NEW GOLD RAINY RIVER MINE
APPENDIX A
GEOCHEMICAL MONITORING RESULTS

newgold Rainy River

Report

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newgold Rainy River	**GEOL-RPT-2018** **Geochemical Monitoring Report**
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1.0 Purpose

To provide evidence that New Gold Rainy River Mine (RRM) met all geochemical monitoring requirements stipulated in the "Construction and Operation Phases Geochemical Monitoring Plan" (Geochemical Monitoring Plan; AFW, 2016) during 2018; and thus, is compliant with Environmental Compliance Approvals #5781-9VJQ2J Condition 10(10) and #5178-9TUPD9 Condition 8(12). The approach and methodology provided in the Geochemical Monitoring Plan is based upon requirements under the Ontario Mining Act with guidance found in the *Prediction Manual for Drainage Chemistry from Sulfidic Geologic Materials* (MEND, 2009).

2.0 Scope

This report provides information as per the Geochemical Monitoring Plan:

- Summary of current mine rock classification and segregation approach
- Description of database developed to manage data and information
- Geochemical classification of mine rock produced from the open pit in 2018
- Placement locations of all mine rock within the RRM site
- Assessment of quality assurance/quality control audit data
    - Laboratory duplicates analyzed for carbon and sulfur at the RRM onsite Leco facility to check precision of data used for operational classification of mine rock and overburden
    - Samples submitted to off-site laboratories for acid-base accounting (ABA) analysis to check accuracy of the onsite Leco analyses
- Appendices that provide tabulated audit data and laboratory reports (under separate cover).

3.0 Mine Rock Classification and Segregation

3.1 Summary of Current Mine Rock Classification and Segregation Approach

Operationally, mine rock and overburden are classified as potentially acid generating (PAG) or not potentially acid generating (NPAG) defined by the relative content of sulfur and carbon. Based on ore-body knowledge, carbon is assumed to be entirely present as inorganic species. Total sulfur and total carbon contents are determined using a Leco Carbon-Sulfur analyzer, with combustion analysis and infra-red detection as per method CSA06V. The acid generating potential and neutralization potential are calculated from the total carbon and sulfur using the following calculations (MEND 2009):

- Neutralization Potential (kg $CaCO_3$/t rock) = Total Carbon (wt.%) * 83.3
- Acid Potential (kg CaCO3/t rock) = Total Sulfur (wt.%) * 31.25

The neutralization potential ratio (NPR) is calculated as the quotient of neutralizing potential (NP) and acid generating potential (AP) such that NPR = NP/AP. If the NPR is greater than 2, the

material is classified as NPAG. If the NPR is less than 2, the material is classified as PAG (AFW, 2013).

A second level of characterization was developed for PAG rock produced from the open pit based on inferred time to acid onset. This system was originally designed to account for three levels of PAG and is identified in Table 1 of the Geochemical Monitoring Plan:

- PAG 1 inferred to have the potential to generate acidic conditions within five years of production or less
- PAG 2 inferred to have the potential to generate acidic conditions within five to 15 years of production, and
- PAG 3 inferred to remain circumneutral for at least 15 years.

These three PAG sub-classifications were based on neutralization potential with threshold values of available NP of <12.5 kg $CaCO_3$/t, 12.5 to 19 kg $CaCO_3$/t and > 19 kg $CaCO_3$/t, respectively. Available NP was defined as the measured Sobek NP minus 10 kg $CaCO_3$/t, to account for the silicate-neutralization potential that reports to the Sobek analysis but may not react fast enough to neutralize acidity produced by oxidation of pyrite and other sulfide minerals. To date, RRM has only implemented the PAG1/PAG2 designation. PAG1 material has always been stockpiled in the EMRS. During construction, PAG2/3 rock was used in construction of the upstream side of the TMA embankment where it will be inundated by tailings. To date there is no difference in the way PAG 2 and PAG 3 materials are managed or stored on site. This conservative approach with respect to mine rock and overburden management does not overestimate the lag period to potential onset of acidic conditions for PAG materials.

Mine rock blast holes are spaced on an average 7.0 x 7.5 m grid with a 10 m bench height as per section 5.4 of the Geochemical Monitoring Plan. Cuttings from every primary blast hole are sampled and analyzed for total carbon and total sulfur to generate AP and NP values. These values guide classification of each mining block as PAG1, PAG 2/3, or NPAG determine material destination.

4.0 Database Management

All blast hole and audit geochemistry data are maintained in an onsite database as specified in Section 7.1 of the Geochemical Monitoring Plan. The database is accessed through the Hexagon Mine Plan software database platform. It includes (but is not limited to) sample identification, sample location, lithology, material disposition, and analytical results. Data and analytical results included in the 2018 monitoring report are based on a download from the database dated March 23, 2019 for the period January 1st, 2018 to December 31st, 2018.

5.0 Geologic Materials Classification and Destination

5.1 Open Pit Material Classification

During 2018, RRM collected and analyzed 21,911 blast-hole samples of 3 different geologic lithologies from the open pit. Lithological and geochemical classifications of these materials are summarized in Table 1.

Table 1. Lithological and Geochemical Classifications for Samples from Open Pit.

Lithology	No. of samples	% of 2018 t Samples	Geochemical Classification	No. of samples	% of lithology
Mafic Volcanics	549	2.5	PAG 2/3	328	60
			NPAG	221	40
Intermediate Volcanics	4,441	20.3	PAG 1	22	0.50
			PAG 2/3	1281	29
			NPAG	3131	71
			LGO	5	0.1
			HGO	2	0.0
Dacite Volcanics	16,921	77.2	PAG 1	1770	10
			PAG 2/3	4487	27
			NPAG	206	1
			LGO	2021	12
			MGO	2698	16
			HGO	5739	34

Note: PAG (Potentially Acid Generating); NPAG (Not Potentially Acid Generating), LGO (Low-grade Ore), MGO (Medium-grade Ore), HGO (High-grade Ore).

5.2 Materials Placement

During 2018, RRM produced PAG1 mine rock, PAG2/3 mine rock, NPAG mine rock, and ore from the open pit. Overburden and basal till were not sampled through blast hole monitoring. Disposal destination of these materials is summarized in Table 2.

Table 2: Placement of Open Pit Geologic Materials

Material Description	Placement Locations
PAG 1 mine rock	EMRS / TMA
PAG 2/3 mine rock	EMRS / TMA
NPAG mine rock	WMRS/TMA/EMRS
Low-grade ore	Low Grade Ore Stockpile
Medium-grade ore	Medium Grade Ore Stockpile
High-grade ore	Mill / ROM Stockpile

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6.0 Assessments

6.1 Quality Assurance/Quality Control Procedures

Two categories of quality assurance samples were submitted for analysis as stipulated in section 7.2 of the Geochemical Monitoring Plan:

- Laboratory duplicates were analyzed onsite to demonstrate acceptable method precision in total carbon and total sulfur analyses by combustion/IR (Leco).
- Sample splits were sent to an independent laboratory for ABA analysis to check that the onsite laboratory produces data of sufficient quality to ensure that geologic materials produced from the open pit are assigned the correct geochemical classification.

Analytical data from laboratory duplicate and ABA audit samples collected in 2018 are provided under separate cover in Appendix A. As stated in the Geochemical Monitoring Plan, blast hole sampling, including laboratory duplicates and sample splits, must be submitted in a ratio of 1 in 20 (5%). In 2018 carbon/sulfur duplicate samples and ABA audit samples were submitted for 10.2% and 7.3% of samples collected, respectively.

6.2 Laboratory Duplicates

During 2018; a total of 2,244 duplicates were analyzed for total carbon and total sulfur. Figures 1 and 2 show the duplicate values plotted against original values with the 1:1 line for reference. Relative percent difference (RPD) was calculated for each duplicate pair using the following equation:

$$RPD = \frac{ABS\ (S-D)}{\frac{S+D}{2}} \times 100$$

Where:

RPD = Relative Percent Difference
S = Sample Result (Original)
D= Duplicate Result

The acceptable RPD range defined for this study is ± 20% for those samples with concentrations greater than five times the detection limit based on U.S. Environmental Protection Agency (U.S. EPA) guidance (U.S.EPA, 2004). Original and duplicate data are provided under separate cover in Appendix A.

6.3 Original and Duplicates: Carbon

Visual inspection of Figure 1 indicates that the match between total carbon analyses and duplicates is generally good with minor scatter and no systematic deviation. RPDs were calculated for 2,244 pairs of duplicate total carbon analyses. Of the 2,244 pairs, approximately 98% (2,209 pairs) met the acceptable RPD range. This means they have RPDs below 20% and contain carbon at more than five times the detection limit of 0.005 wt.%, as defined in Table 2 of the Geochemical Monitoring Plan.

6.4 Original and Duplicates: Sulfur

Visual inspection of Figure 2 indicates that the match between total sulfur analyses and duplicates is good with minor scatter and no systematic error. RPDs were calculated for 2,244 pairs of duplicate total sulfur analyses. Of the 2,244 pairs, approximately 99% (2,222 pairs) met the acceptable RPD range. This means they have RPDs below 20% and contain sulfur at more than five times the detection limit of 0.005 wt. %.

6.5 Acid-Base Accounting (ABA) Audit Results

During 2018, 1,601 samples were submitted for auditing by an independent analytical laboratory. Samples were sent to ALS Laboratories Ltd. in North Vancouver, British Columbia, Canada. Laboratory reports are provided under separate cover in Appendix B.

6.6 On-site Leco NPR Determination vs. Independent Laboratories

Descriptive statistics for Sobek, Leco and ARD Model NPR values are provided in Table 3. Data are plotted in Figure 3 and box-and-whisker plots are shown in Figure 4. The median NPR values determined by modified Sobek (independent laboratory) and Leco (on-site laboratory) are in close agreement (1.1 and 1.0, respectively).

The Leco NPR values tend to be lower than the Sobek numbers at the lower end of the NPR distribution (see Figure 3). This is because the Sobek neutralization potential includes some contribution of NP from faster-acting silicates whereas the NP calculated from Leco carbon analyses accounts for only carbonate neutralization potential (Duke and Logsdon, 2018).

Mine rock is classified and managed onsite based on the Leco NPR (carbonate-NPR), so this small deviation results in a conservative method of materials classification. This means if material is misallocated, it will result in NPAG material being classified as PAG and not PAG classified as NPAG.

Table 3. Descriptive Statistics for Sobek, Leco and ARD Model NPR Values

Descriptive Statistics	Sobek NPR	Leco NPR	ICP NPR
Sample Size	1601	1601	1601
Minimum	0.01	0.00	0.00
Maximum	46	41	51
Median	1.1	1.0	1.0
90th Percentile	3.7	3.3	3.2
10th Percentile	0.3	0.2	0.0

6.7 ARD Block Model Classifications

For mine planning purposes, RRM has develop an ARD block model to estimate material inventories, volumes, and production schedules. The ARD designations in the block model are based on the following calculations (AFW, 2013):

- ICP-Proxy AP (kg $CaCO_3$/t) = ICP sulfur (wt. %) * 31.25
- ICP-Proxy NP (kg $CaCO_3$/t) = [ICP calcium (wt. %) * 37.14] -19.0

Neutralization potential ratio (NPR) values calculated from ICP data are compared to laboratory Sobek values in Figures 3 and 4. Descriptive statistics are presented in Table 3. During 2018, block model values closely agree with laboratory audit data. However, there is an observed deviation at lower NPR values between Leco and Sobek NPR values. According to Duke and Logsdon (Technical Memorandum dated March 2018), this is caused by the conservative nature of the carbonate NP represented by the Leco calculation (i.e., does not account for silicate NP). Referencing Table 3, the median NPR from the ARD block model calculations is 1.0 and compares favorably with 1.1 for the Sobek NPR.

7.0 Conclusions

During 2018, duplicates and audit samples were submitted for 10.2% and 7.3% of blast hole samples collected, well above the 5% proportion defined in section 7.2 of the RRM Geochemical Monitoring Plan. Carbon and sulfur duplicate data indicate good precision with 99% and 98% for onsite Leco analyses. ABA audit data show that the RRM onsite laboratory data compares favorably with independent laboratory data. The ARD block model continues to provide NPR estimates appropriate for PAG material segregation purposes.

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8.0 References

AFW. 2013. Rainy River Gold Project—Report on Metal Leaching and Acid Rock Drainage Characterization of Mine Rock and Tailings. TC111504, prepared by AMEC Environment and Infrastructure, submitted to Rainy River Resources Ltd., May 2013.

AFW. 2016. Rainy River Project, Construction and Operation Phases Geochemical Monitoring Plan, Version 3, Prepared by Amec Foster Wheeler, January 2016

Duke and Logsdon. 2018. Rainy River Mine 2017 Annual Geochemical Monitoring Report. Technical Memorandum, prepared by Kate Duke - Duke Hydrochem, LLC and Mark Logsdon - Geochimica, Inc., March 2018.

MEND. 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. Report 1.20.1, Version 0.0, Prepared by W.A. Price of CANMET – Mining and Mineral Sciences Laboratories for MEND, December 2009.

U.S. Environmental Protection Agency (U.S. EPA). 2004. USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review, U.S. EPA Report EPA 540-R-04-004, October 2004.

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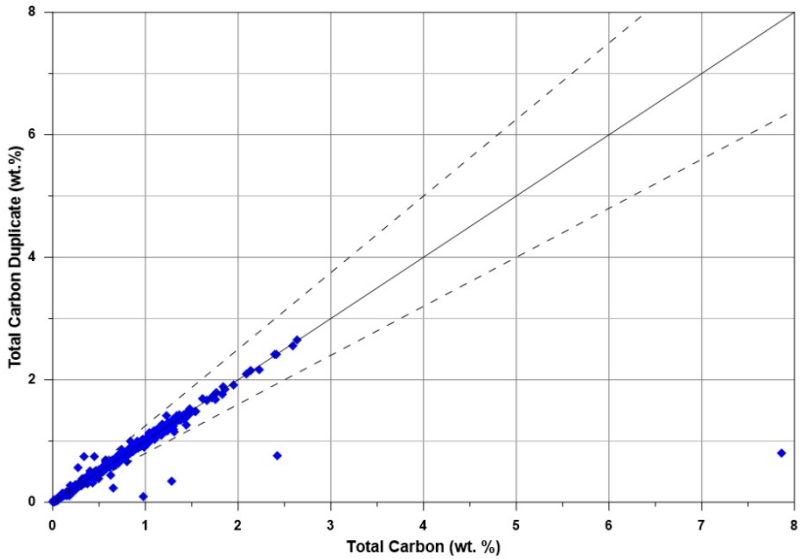

Figure 1: Comparison of 2018 original and coarse duplicate carbon data from RRM onsite Leco facility. Solid line = 1:1; dotted lines indicate +/-20%.

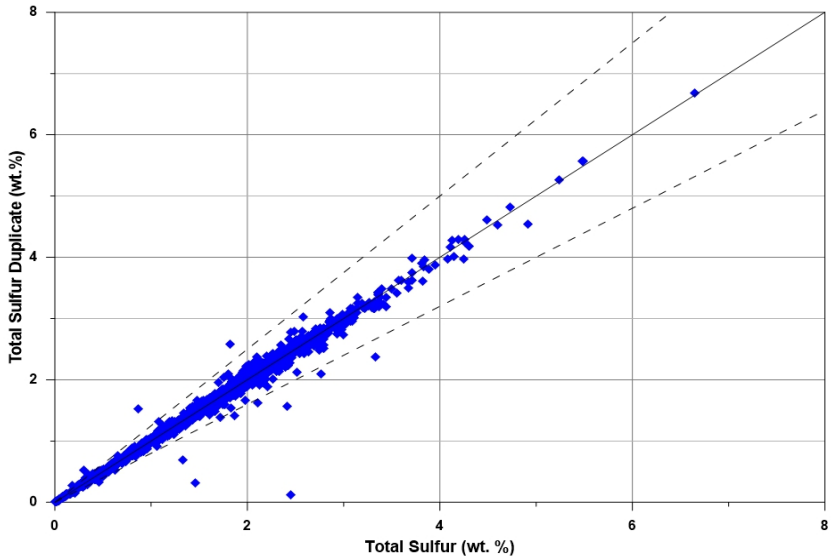

Figure 2:Comparison of 2018 original and coarse duplicate sulfur data from RRM onsite Leco facility. Solid line = 1:1; dotted lines indicate +/- 20%.

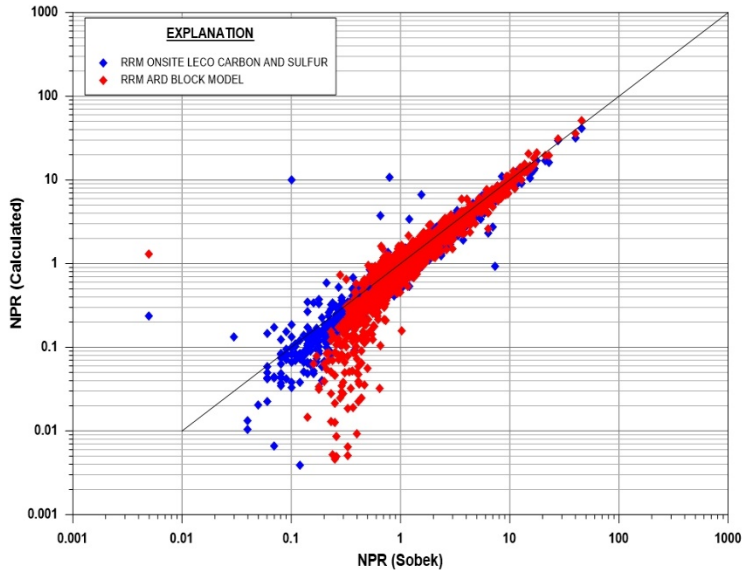

Figure 3: Scatter plot showing comparison of NPR calculated from onsite Leco carbon and sulfur, ARD block model and independent laboratory Sobek analyses.

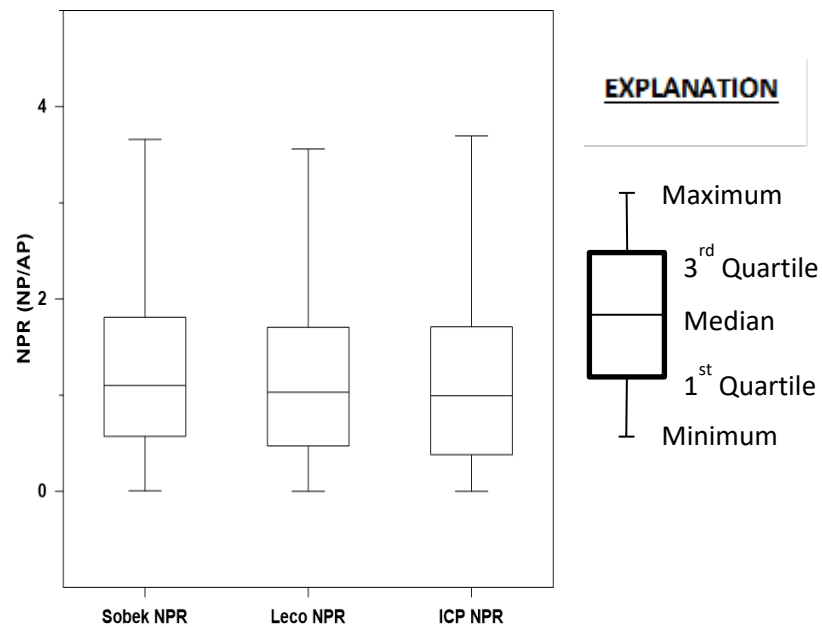

Figure 4: Box- and-whisker plots comparison of NPR calculated from; onsite Leco carbon and sulfur, ARD block model and Sobek analyses.

APPENDIX A -1

2018 CARBON SULFUR DUPLICATE DATA

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1127013076	1/6/2018	0.26	0.26	0.0%	0.47	0.49	4.2%
1127013115	1/6/2018	0.38	0.38	0.0%	0.52	0.52	0.0%
1127013117	1/6/2018	0.49	0.48	2.1%	0.34	0.32	6.1%
1129050002	1/6/2018	0.56	0.56	0.0%	2.39	2.43	1.7%
1129050043	1/6/2018	0.07	0.06	15.4%	2.26	2.33	3.1%
1129050513	1/6/2018	0.18	0.18	0.0%	1.53	1.51	1.3%
1127014032	1/17/2018	0.89	0.9	1.1%	0.78	0.77	1.3%
1127014039	1/17/2018	0.37	0.41	10.3%	0.37	0.4	7.8%
1127014410	1/17/2018	1.01	0.99	2.0%	1.42	1.36	4.3%
1127014426	1/17/2018	0.5	0.51	2.0%	2.97	3.02	1.7%
1127014501	1/17/2018	0.85	0.83	2.4%	0.71	0.7	1.4%
1127014517	1/17/2018	0.37	0.37	0.0%	0.95	0.95	0.0%
1127014528	1/17/2018	0.6	0.6	0.0%	1.03	0.99	4.0%
1127015010	1/17/2018	0.5	0.5	0.0%	0.63	0.63	0.0%
1127015030	1/17/2018	0.39	0.37	5.3%	0.59	0.58	1.7%
1127015033	1/17/2018	0.49	0.5	2.0%	0.45	0.45	0.0%
1127015059	1/17/2018	0.61	0.6	1.7%	0.89	0.89	0.0%
1129048020	1/17/2018	0.54	0.54	0.0%	2.38	2.31	3.0%
1129048040	1/17/2018	0.63	0.62	1.6%	2.6	2.6	0.0%
1129048081	1/17/2018	0.68	0.69	1.5%	2.94	2.99	1.7%
1129049031	1/17/2018	0.96	0.95	1.0%	2.22	2.16	2.7%
1129049402	1/17/2018	0.71	0.73	2.8%	1.82	1.93	5.9%
1129049417	1/17/2018	1.03	1.07	3.8%	2.51	2.65	5.4%
1127013133	1/18/2018	0.35	0.35	0.0%	0.47	0.45	4.3%
1127013154	1/18/2018	0.3	0.3	0.0%	0.42	0.41	2.4%
1127013158	1/18/2018	0.34	0.34	0.0%	0.42	0.42	0.0%
1127014008	1/18/2018	0.47	0.47	0.0%	0.73	0.75	2.7%
1127014022	1/18/2018	1.07	1.06	0.9%	2.44	2.53	3.6%
1127014027	1/18/2018	0.68	0.68	0.0%	3.84	3.96	3.1%
1127014051	1/18/2018	0.74	0.7	5.6%	1.36	1.34	1.5%
1127014121	1/18/2018	0.71	0.71	0.0%	0.88	0.86	2.3%
1128031007	1/18/2018	0.17	0.17	0.0%	2.59	2.59	0.0%
1128031031	1/18/2018	0.07	0.07	0.0%	1.99	1.91	4.1%
1128031048	1/18/2018	0.22	0.21	4.7%	1.91	1.9	0.5%
1128031052	1/18/2018	0.48	0.49	2.1%	3.55	3.41	4.0%
1128031079	1/18/2018	0.54	0.55	1.8%	3.05	2.97	2.7%
1128031089	1/18/2018	1.36	1.35	0.7%	2.4	2.45	2.1%
1128031114	1/18/2018	0.79	0.78	1.3%	1.57	1.51	3.9%
1128031117	1/18/2018	0.83	0.82	1.2%	1.67	1.58	5.5%
1129048027	1/18/2018	0.45	0.75	50.0%	2.41	1.57	42.2%
1129048047	1/18/2018	0.95	0.94	1.1%	2.32	2.24	3.5%
1129048405	1/18/2018	0.09	0.11	20.0%	1.8	1.74	3.4%
1129048418	1/18/2018	0.83	0.82	1.2%	1.82	1.83	0.5%
1129048421	1/18/2018	0.94	0.96	2.1%	2.23	2.3	3.1%
1129048502	1/18/2018	0.34	0.35	2.9%	2.44	2.55	4.4%
1129048515	1/18/2018	0.07	0.07	0.0%	1.88	1.93	2.6%
1129048522	1/18/2018	0.64	0.63	1.6%	1.96	1.93	1.5%
1129049215	1/18/2018	0.75	0.75	0.0%	1.61	1.61	0.0%
1129049254	1/18/2018	0.19	0.2	5.1%	2.7	2.67	1.1%
1129049501	1/18/2018	0.32	0.32	0.0%	2.13	1.91	10.9%
1129050507	1/18/2018	0.23	0.23	0.0%	1.43	1.42	0.7%
1130053526	1/18/2018	0.86	0.87	1.2%	1.95	1.97	1.0%
1131065709	1/18/2018	0.39	0.38	2.6%	2.36	2.35	0.4%
1131065711	1/18/2018	0.06	0.05	18.2%	1.81	1.85	2.2%
1131065743	1/18/2018	0.1	0.1	0.0%	2.35	2.34	0.4%
1131065756	1/18/2018	0.16	0.16	0.0%	1.89	1.95	3.1%
1131065808	1/18/2018	0.07	0.08	13.3%	1.43	1.57	9.3%
1129050402	1/19/2018	0.57	0.66	14.6%	2.45	2.77	12.3%
1128032015	1/20/2018	0.87	0.9	3.4%	1.87	1.86	0.5%
1128032030	1/20/2018	1.25	1.3	3.9%	1.57	1.62	3.1%
1128032045	1/20/2018	1.16	1.17	0.9%	1.74	1.75	0.6%
1128032047	1/20/2018	1.05	1.03	1.9%	1.61	1.59	1.3%
1128032079	1/20/2018	1.3	1.19	8.8%	1.29	1.19	8.1%
1128034039	1/20/2018	0.54	0.55	1.8%	1.36	1.42	4.3%
1128034040	1/20/2018	0.34	0.75	75.2%	0.87	1.53	55.0%
1127017110	1/21/2018	0.51	0.49	4.0%	1.43	1.35	5.8%
1127017124	1/21/2018	0.53	0.52	1.9%	1.31	1.3	0.8%
1127017137	1/21/2018	0.37	0.35	5.6%	1.75	1.69	3.5%
1128033105	1/23/2018	1.95	1.92	1.6%	0.62	0.62	0.0%
1128033109	1/23/2018	1.77	1.79	1.1%	2.44	2.43	0.4%
1128033118	1/23/2018	1.18	1.19	0.8%	0.69	0.72	4.3%
1128033127	1/23/2018	1	1.01	1.0%	1.18	1.19	0.8%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1128033140	1/23/2018	0.54	0.57	5.4%	0.61	0.63	3.2%
1128033157	1/23/2018	0.34	0.34	0.0%	0.62	0.6	3.3%
1128033158	1/23/2018	0.44	0.43	2.3%	0.7	0.69	1.4%
1128033607	1/23/2018	0.84	0.99	16.4%	0.33	0.33	0.0%
1129051423	1/24/2018	0.83	0.84	1.2%	2.14	2.2	2.8%
1129051530	1/24/2018	0.79	0.8	1.3%	1.47	1.46	0.7%
1130057783	1/24/2018	0.08	0.09	11.8%	1.87	1.84	1.6%
1130057884	1/24/2018	0.03	0.04	28.6%	2.06	2.06	0.0%
1129051038	1/25/2018	0.99	0.99	0.0%	1.79	1.73	3.4%
1129051407	1/25/2018	0.98	0.99	1.0%	2.24	2.21	1.3%
1130057531	1/25/2018	0.04	0.04	0.0%	2.67	2.69	0.7%
1130057750	1/25/2018	0.07	0.06	15.4%	2.56	2.62	2.3%
1130057874	1/25/2018	0.28	0.28	0.0%	2.12	2.1	0.9%
1127018202	1/27/2018	0.91	0.88	3.4%	0.99	0.95	4.1%
1127018212	1/27/2018	0.98	0.98	0.0%	1.08	1.08	0.0%
1127018227	1/27/2018	0.74	0.74	0.0%	1.06	1.08	1.9%
1130057516	1/27/2018	0.005	0.005	0.0%	1.87	1.83	2.2%
1130057606	1/27/2018	0.005	0.005	0.0%	1.58	1.64	3.7%
1130057612	1/27/2018	0.005	0.005	0.0%	0.72	0.74	2.7%
1130057712	1/27/2018	0.13	0.12	8.0%	1.5	1.49	0.7%
1130057763	1/27/2018	0.12	0.12	0.0%	1.94	1.93	0.5%
1130057805	1/27/2018	0.12	0.12	0.0%	2.09	2.1	0.5%
1130057814	1/27/2018	0.43	0.41	4.8%	3.31	3.17	4.3%
1130057865	1/27/2018	0.02	0.02	0.0%	2.42	2.44	0.8%
1130057910	1/27/2018	0.005	0.01	66.7%	1.84	1.82	1.1%
1127018068	1/30/2018	0.74	0.72	2.7%	1.82	1.75	3.9%
1127018077	1/30/2018	0.51	0.52	1.9%	2.69	2.77	2.9%
1127018112	1/30/2018	1.62	1.69	4.2%	1.84	1.77	3.9%
1127018120	1/30/2018	1.06	1.07	0.9%	2.05	2.06	0.5%
1127018122	1/30/2018	1.2	1.2	0.0%	1.99	2.01	1.0%
1127018244	1/30/2018	0.88	0.9	2.2%	2.06	2.16	4.7%
1127018256	1/30/2018	0.19	0.2	5.1%	2.79	2.83	1.4%
1128036009	1/30/2018	1.04	1.05	1.0%	1.58	1.6	1.3%
1128036055	1/30/2018	0.91	1	9.4%	1.48	1.66	11.5%
1128036091	1/30/2018	0.65	0.6	8.0%	1.77	1.59	10.7%
1128036207	1/30/2018	1.26	1.28	1.6%	1.45	1.51	4.1%
1127018150	1/31/2018	0.96	0.93	3.2%	2.27	2.37	4.3%
1127018158	1/31/2018	1.53	1.48	3.3%	1.75	1.71	2.3%
1128036006	1/31/2018	1.04	1.03	1.0%	1.71	1.69	1.2%
1128036095	1/31/2018	0.69	0.69	0.0%	0.9	0.93	3.3%
1127019002	2/6/2018	0.23	0.24	4.3%	0.32	0.32	0.0%
1127019019	2/6/2018	0.29	0.28	3.5%	0.38	0.38	0.0%
1127019078	2/6/2018	1.28	1.26	1.6%	2.54	2.52	0.8%
1127019123	2/6/2018	0.67	0.67	0.0%	3.08	3.1	0.6%
1128037026	2/6/2018	0.42	0.45	6.9%	1.79	1.8	0.6%
1128037054	2/6/2018	1.44	1.26	13.3%	2	1.89	5.7%
1128037072	2/6/2018	0.27	0.27	0.0%	1.79	1.75	2.3%
1128037087	2/6/2018	0.13	0.13	0.0%	2.06	2.07	0.5%
1128037106	2/6/2018	0.41	0.39	5.0%	2.36	2.22	6.1%
1128037116	2/6/2018	0.21	0.21	0.0%	2.29	2.31	0.9%
1128037132	2/6/2018	0.86	0.87	1.2%	1.88	1.98	5.2%
1128037147	2/6/2018	0.2	0.21	4.9%	2.46	2.5	1.6%
1128037162	2/6/2018	0.05	0.04	22.2%	2.16	2.22	2.7%
1128037171	2/6/2018	0.95	0.99	4.1%	2.09	2.13	1.9%
1128037198	2/6/2018	0.75	0.86	13.7%	2.27	2.43	6.8%
1128038040	2/6/2018	0.6	0.6	0.0%	1.08	1.09	0.9%
1131066224	2/6/2018	0.34	0.31	9.2%	2.38	2.41	1.3%
1131066245	2/6/2018	0.12	0.11	8.7%	1.47	1.47	0.0%
1131066246	2/6/2018	0.18	0.19	5.4%	1.3	1.32	1.5%
1131066274	2/6/2018	0.09	0.1	10.5%	0.95	0.94	1.1%
1131066276	2/6/2018	0.47	0.5	6.2%	0.9	0.95	5.4%
1131066288	2/6/2018	0.25	0.25	0.0%	1.49	1.49	0.0%
1131066297	2/6/2018	0.31	0.31	0.0%	1.87	1.41	28.0%
1131066307	2/6/2018	0.59	0.62	5.0%	2.03	2.06	1.5%
1131066352	2/6/2018	0.02	0.02	0.0%	1.62	1.65	1.8%
1131066356	2/6/2018	0.24	0.24	0.0%	1.53	1.54	0.7%
1131066380	2/6/2018	0.13	0.13	0.0%	1.98	1.95	1.5%
1131066426	2/6/2018	0.14	0.14	0.0%	1.97	1.99	1.0%
1131067015	2/6/2018	0.74	0.77	4.0%	1.66	1.68	1.2%
1131067037	2/6/2018	0.27	0.26	3.8%	1.33	1.35	1.5%
1131067039	2/6/2018	0.22	0.21	4.7%	2.47	2.54	2.8%
1131067091	2/6/2018	0.05	0.05	0.0%	4.92	4.54	8.0%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
2137007201	2/7/2018	0.21	0.21	0.0%	0.11	0.11	0.0%
1127019041	2/8/2018	0.42	0.42	0.0%	0.22	0.22	0.0%
1127019506	2/8/2018	0.34	0.34	0.0%	0.25	0.26	3.9%
1128038034	2/8/2018	0.43	0.41	4.8%	1.98	2.07	4.4%
1128038035	2/8/2018	0.61	0.61	0.0%	1.65	1.67	1.2%
1127019052	2/9/2018	0.88	0.88	0.0%	0.83	0.89	7.0%
1127019104	2/9/2018	0.53	0.54	1.9%	0.07	0.06	15.4%
1127019217	2/9/2018	0.56	0.55	1.8%	0.37	0.4	7.8%
1127019520	2/9/2018	0.41	0.4	2.5%	0.64	0.61	4.8%
1127019534	2/9/2018	0.3	0.28	6.9%	0.58	0.57	1.7%
1128038012	2/9/2018	0.89	0.87	2.3%	1.5	1.48	1.3%
1128038064	2/9/2018	0.44	0.43	2.3%	2.29	2.21	3.6%
1128038069	2/9/2018	1.13	1.11	1.8%	1.87	1.99	6.2%
1128038105	2/9/2018	0.97	0.94	3.1%	1.67	1.67	0.0%
1128038130	2/9/2018	0.91	0.9	1.1%	1.4	1.31	6.6%
1128038137	2/9/2018	1.36	1.36	0.0%	1.73	1.64	5.3%
2137007165	2/9/2018	0.4	0.39	2.5%	0.03	0.03	0.0%
1127019070	2/10/2018	1.03	1.01	2.0%	2.02	2.03	0.5%
1127019126	2/10/2018	0.9	0.91	1.1%	2.22	2.17	2.3%
1127019148	2/10/2018	0.92	0.9	2.2%	0.92	0.91	1.1%
1127019152	2/10/2018	0.92	0.91	1.1%	0.86	0.84	2.4%
1127019189	2/10/2018	1.1	1.11	0.9%	2.41	2.41	0.0%
1127019207	2/10/2018	0.36	0.36	0.0%	2.9	2.96	2.0%
1128038122	2/10/2018	0.29	0.29	0.0%	2.15	2.26	5.0%
1127022081	2/11/2018	0.32	0.34	6.1%	0.41	0.43	4.8%
1127022087	2/11/2018	0.76	0.78	2.6%	0.35	0.39	10.8%
1129098210	2/11/2018	0.07	0.07	0.0%	1.94	1.98	2.0%
1129098217	2/11/2018	0.05	0.05	0.0%	1.68	1.68	0.0%
1129098312	2/11/2018	0.21	0.22	4.7%	2	1.99	0.5%
1129098367	2/11/2018	0.04	0.03	28.6%	1.97	1.95	1.0%
1131068002	2/11/2018	0.9	0.89	1.1%	1.13	1.15	1.8%
1131068011	2/11/2018	0.1	0.1	0.0%	2.6	2.54	2.3%
1127022004	2/12/2018	0.5	0.49	2.0%	0.18	0.18	0.0%
1127022042	2/12/2018	0.39	0.4	2.5%	2.5	2.48	0.8%
1127022351	2/12/2018	0.56	0.58	3.5%	0.35	0.36	2.8%
1129098330	2/12/2018	0.05	0.06	18.2%	2.37	2.37	0.0%
1128039031	2/15/2018	0.65	0.66	1.5%	1.85	1.87	1.1%
1129052001	2/16/2018	0.36	0.38	5.4%	2.33	2.47	5.8%
1129052003	2/16/2018	0.57	0.57	0.0%	1.96	1.97	0.5%
1129052026	2/16/2018	0.03	0.04	28.6%	2.53	2.48	2.0%
1129052048	2/16/2018	0.46	0.47	2.2%	1.64	1.65	0.6%
1129052050	2/16/2018	0.07	0.08	13.3%	2.22	2.29	3.1%
1129052054	2/16/2018	0.04	0.05	22.2%	1.3	1.35	3.8%
1129052067	2/16/2018	0.89	0.88	1.1%	1.53	1.53	0.0%
1129052077	2/16/2018	0.2	0.2	0.0%	2.7	2.71	0.4%
1129053023	2/16/2018	0.3	0.3	0.0%	1.72	1.7	1.2%
1129053047	2/16/2018	0.24	0.24	0.0%	2.02	2.03	0.5%
1129053075	2/16/2018	1.12	1.13	0.9%	0.94	0.94	0.0%
1129053079	2/16/2018	0.74	0.76	2.7%	1.42	1.45	2.1%
1129053134	2/16/2018	1.01	1.01	0.0%	2.09	2.1	0.5%
1131069039	2/16/2018	0.21	0.21	0.0%	0.74	0.74	0.0%
1131069042	2/16/2018	0.11	0.11	0.0%	1.39	1.42	2.1%
1129098201	2/17/2018	0.06	0.06	0.0%	2.38	2.46	3.3%
1131069008	2/17/2018	0.1	0.13	26.1%	0.97	1	3.0%
1131069017	2/17/2018	0.19	0.19	0.0%	2.46	2.36	4.1%
1131069024	2/17/2018	0.21	0.22	4.7%	1.96	2.15	9.2%
1131069046	2/17/2018	0.13	0.14	7.4%	0.32	0.32	0.0%
1131069053	2/17/2018	0.23	0.23	0.0%	1.24	1.3	4.7%
1131069075	2/17/2018	0.31	0.28	10.2%	1.66	1.49	10.8%
1131069107	2/17/2018	0.14	0.15	6.9%	0.27	0.27	0.0%
1129053014	2/18/2018	0.07	0.06	15.4%	2.67	2.65	0.8%
1129053019	2/18/2018	0.23	0.23	0.0%	2.22	2.28	2.7%
1129053059	2/18/2018	0.34	0.31	9.2%	2.4	2.2	8.7%
1129053081	2/18/2018	0.32	0.32	0.0%	2.02	1.98	2.0%
1129053124	2/18/2018	1.47	1.43	2.8%	1.02	1	2.0%
1129053164	2/18/2018	0.48	0.48	0.0%	1.3	1.27	2.3%
1127021014	2/20/2018	0.43	0.44	2.3%	0.58	0.6	3.4%
1127021029	2/20/2018	0.4	0.41	2.5%	0.19	0.19	0.0%
1127021043	2/20/2018	0.37	0.38	2.7%	1.08	1.1	1.8%
1127021048	2/20/2018	0.57	0.56	1.8%	0.63	0.65	3.1%
1127021088	2/20/2018	0.66	0.62	6.3%	0.16	0.14	13.3%
1127021094	2/20/2018	0.36	0.36	0.0%	0.65	0.63	3.1%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1127021105	2/20/2018	0.63	0.62	1.6%	0.23	0.22	4.4%
1127021129	2/20/2018	0.64	0.61	4.8%	0.14	0.14	0.0%
1127021140	2/20/2018	0.44	0.44	0.0%	0.41	0.47	13.6%
1127021377	2/20/2018	0.46	0.44	4.4%	0.1	0.1	0.0%
1128040021	2/20/2018	1.27	1.25	1.6%	1.79	1.73	3.4%
1128040036	2/20/2018	0.93	0.93	0.0%	1.22	1.23	0.8%
1128040056	2/20/2018	1.45	1.45	0.0%	2.22	2.29	3.1%
1128040071	2/20/2018	0.84	0.86	2.4%	0.95	0.93	2.1%
1128040082	2/20/2018	1.05	1.05	0.0%	2.31	2.42	4.7%
1128040141	2/20/2018	1.34	1.35	0.7%	1.85	1.9	2.7%
1128040159	2/20/2018	1.28	0.34	116.0%	2.28	2.25	1.3%
1128040172	2/20/2018	0.47	0.46	2.2%	1.89	1.87	1.1%
1128040158	2/21/2018	1.02	1.01	1.0%	2.25	2.25	0.0%
1129057029	2/21/2018	0.44	0.45	2.2%	0.26	0.26	0.0%
1127023044	2/22/2018	0.61	0.61	0.0%	0.4	0.41	2.5%
1127023064	2/22/2018	0.55	0.56	1.8%	1.6	1.59	0.6%
1127023074	2/22/2018	0.4	0.4	0.0%	1.06	1.01	4.8%
1127023091	2/22/2018	0.67	0.61	9.4%	1.33	0.69	63.4%
1127024060	2/22/2018	0.75	0.74	1.3%	1.2	1.19	0.8%
1127024091	2/22/2018	0.78	0.79	1.3%	1.24	1.27	2.4%
1127024124	2/22/2018	0.6	0.6	0.0%	0.84	0.85	1.2%
1128040094	2/22/2018	0.4	0.41	2.5%	2.28	2.34	2.6%
1128040143	2/22/2018	1.34	1.35	0.7%	2.04	2.1	2.9%
1129057064	2/22/2018	0.25	0.23	8.3%	0.54	0.5	7.7%
1129057065	2/22/2018	0.38	0.38	0.0%	0.42	0.4	4.9%
1127024033	2/23/2018	0.49	0.48	2.1%	1.27	1.22	4.0%
1127024114	2/23/2018	0.2	0.2	0.0%	3.08	3.14	1.9%
1129057150	2/23/2018	0.9	0.91	1.1%	1.97	2.01	2.0%
1129057166	2/23/2018	0.31	0.28	10.2%	1.42	1.38	2.9%
1129057173	2/23/2018	1.13	1.11	1.8%	1.81	1.84	1.6%
1127024081	2/24/2018	0.74	0.73	1.4%	2.03	2.06	1.5%
1129057134	2/24/2018	1	0.99	1.0%	1.33	1.4	5.1%
1129057136	2/24/2018	1.28	1.29	0.8%	1.93	1.92	0.5%
1127023008	2/25/2018	0.61	0.6	1.7%	0.78	0.76	2.6%
1127023011	2/25/2018	0.29	0.28	3.5%	0.43	0.41	4.8%
1127024003	2/25/2018	0.63	0.62	1.6%	1.45	1.48	2.0%
1129056010	2/25/2018	0.02	0.02	0.0%	0.95	0.96	1.0%
1129056015	2/25/2018	0.02	0.03	40.0%	1.98	1.99	0.5%
1129056044	2/25/2018	0.02	0.02	0.0%	1.82	2.58	34.5%
1129056048	2/25/2018	0.07	0.07	0.0%	2.31	2.3	0.4%
1127024039	2/26/2018	0.64	0.64	0.0%	2.16	2.2	1.8%
1127024137	2/26/2018	0.97	1.02	5.0%	1.61	1.7	5.4%
1129055003	2/26/2018	0.05	0.06	18.2%	1.62	1.64	1.2%
1129055009	2/26/2018	0.05	0.05	0.0%	3.6	3.63	0.8%
1129055025	2/26/2018	0.41	0.44	7.1%	1.55	1.58	1.9%
1129055091	2/28/2018	0.02	0.03	40.0%	2.45	2.47	0.8%
1129055102	2/28/2018	0.06	0.04	40.0%	1.75	1.75	0.0%
1129055114	2/28/2018	0.15	0.11	30.8%	2.13	2.15	0.9%
1129055119	2/28/2018	0.04	0.03	28.6%	2.77	2.1	27.5%
1129055147	2/28/2018	0.07	0.07	0.0%	2.28	2.38	4.3%
1129055149	2/28/2018	0.09	0.09	0.0%	1.63	1.58	3.1%
1127024020	3/1/2018	1.15	1.14	0.9%	1.51	1.48	2.0%
1128039011	3/1/2018	1.16	1.16	0.0%	2.12	2.1	0.9%
1128039038	3/1/2018	0.87	0.88	1.1%	2.22	2.18	1.8%
1128039065	3/1/2018	0.79	0.78	1.3%	2.22	2.3	3.5%
1128039073	3/1/2018	1.07	1.08	0.9%	1.93	1.95	1.0%
1128039081	3/1/2018	1.24	1.17	5.8%	1.92	2.07	7.5%
1128039112	3/1/2018	1.34	1.39	3.7%	1.65	1.7	3.0%
1128039118	3/1/2018	0.45	0.45	0.0%	2.34	2.35	0.4%
1128039153	3/1/2018	1.23	1.22	0.8%	1.71	1.66	3.0%
1128036014	3/2/2018	0.92	0.88	4.4%	1.07	1	6.8%
1128037010	3/2/2018	1.23	1.19	3.3%	1.49	1.56	4.6%
1128037018	3/2/2018	0.7	0.7	0.0%	1.59	1.64	3.1%
1128037039	3/2/2018	1.18	1.17	0.9%	1.9	1.91	0.5%
1129056237	3/2/2018	0.48	0.48	0.0%	2.33	2.33	0.0%
1129055044	3/3/2018	0.06	0.07	15.4%	1.79	1.71	4.6%
1129055050	3/3/2018	0.13	0.12	8.0%	1.9	1.83	3.8%
1129055057	3/3/2018	0.07	0.06	15.4%	1.27	1.21	4.8%
1129056003	3/3/2018	0.07	0.07	0.0%	1.54	1.49	3.3%
1129056258	3/3/2018	0.52	0.52	0.0%	1.8	1.85	2.7%
1126002020	3/4/2018	0.64	0.63	1.6%	0.16	0.16	0.0%
1126002040	3/4/2018	0.69	0.72	4.3%	0.13	0.14	7.4%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1126002125	3/4/2018	0.74	0.72	2.7%	0.44	0.45	2.2%
1126002136	3/4/2018	0.79	0.77	2.6%	2.09	2.01	3.9%
1127035102	3/4/2018	2.14	2.15	0.5%	0.32	0.32	0.0%
1127035113	3/4/2018	2.64	2.65	0.4%	0.44	0.47	6.6%
1127035134	3/4/2018	2.09	2.09	0.0%	0.11	0.1	9.5%
1127035144	3/4/2018	1.44	1.44	0.0%	0.35	0.36	2.8%
1127035305	3/4/2018	0.64	0.65	1.6%	0.17	0.17	0.0%
1127035336	3/4/2018	0.9	0.9	0.0%	0.34	0.34	0.0%
1127035356	3/4/2018	0.66	0.67	1.5%	0.35	0.46	27.2%
1127035367	3/4/2018	0.55	0.53	3.7%	0.23	0.24	4.3%
1126002101	3/5/2018	0.76	0.78	2.6%	0.24	0.24	0.0%
1126002104	3/5/2018	0.59	0.59	0.0%	0.74	0.74	0.0%
1126002149	3/5/2018	0.42	0.41	2.4%	1.03	1.01	2.0%
1126002193	3/5/2018	1.13	1.13	0.0%	2.25	2.21	1.8%
1127035005	3/5/2018	2.4	2.42	0.8%	0.77	0.77	0.0%
1127035020	3/5/2018	1.83	1.76	3.9%	2.33	2.14	8.5%
1127035035	3/5/2018	2.23	2.17	2.7%	0.18	0.17	5.7%
1127035037	3/5/2018	2.41	2.41	0.0%	0.24	0.25	4.1%
1127035156	3/5/2018	0.67	0.68	1.5%	0.66	0.66	0.0%
1127035166	3/5/2018	0.62	0.64	3.2%	0.12	0.13	8.0%
1127035182	3/5/2018	0.68	0.65	4.5%	0.32	0.33	3.1%
1127035381	3/5/2018	0.73	0.72	1.4%	0.12	0.11	8.7%
1127035396	3/5/2018	0.73	0.7	4.2%	0.46	0.38	19.0%
1126001016	3/7/2018	0.23	0.22	4.4%	1.87	1.88	0.5%
1126001034	3/7/2018	0.65	0.65	0.0%	2.34	2.36	0.9%
1126001056	3/7/2018	0.47	0.46	2.2%	0.08	0.08	0.0%
1126001072	3/7/2018	1.35	1.35	0.0%	0.97	0.99	2.0%
1126001078	3/7/2018	1.48	1.52	2.7%	1.51	1.5	0.7%
1126001098	3/7/2018	0.67	0.66	1.5%	0.5	0.5	0.0%
1126001100	3/7/2018	0.64	0.63	1.6%	0.32	0.35	9.0%
1126001104	3/7/2018	0.5	0.51	2.0%	0.25	0.26	3.9%
1128041052	3/7/2018	0.71	0.7	1.4%	2.31	2.32	0.4%
1128041065	3/7/2018	0.9	0.91	1.1%	2.28	2.26	0.9%
1128041085	3/7/2018	0.28	0.28	0.0%	2.41	2.25	6.9%
1128041113	3/7/2018	0.65	0.65	0.0%	2.69	2.72	1.1%
1128041118	3/7/2018	0.73	0.71	2.8%	2.09	2	4.4%
1126001009	3/8/2018	0.52	0.51	1.9%	0.46	0.45	2.2%
1126001028	3/8/2018	1.21	1.2	0.8%	3.57	3.62	1.4%
1127035998	3/8/2018	0.48	0.5	4.1%	0.82	0.87	5.9%
1128041010	3/8/2018	0.67	0.67	0.0%	2.6	2.55	1.9%
1128041020	3/8/2018	0.48	0.48	0.0%	1.9	1.93	1.6%
1128041040	3/8/2018	0.54	0.54	0.0%	2.4	2.44	1.7%
1128043306	3/8/2018	0.11	0.12	8.7%	1.65	1.66	0.6%
1128043308	3/8/2018	0.21	0.22	4.7%	1.77	1.83	3.3%
1128041182	3/9/2018	0.91	0.94	3.2%	1.98	1.94	2.0%
1128041228	3/9/2018	0.77	0.77	0.0%	1.57	1.54	1.9%
1128043314	3/9/2018	0.23	0.25	8.3%	1.73	1.81	4.5%
1128043338	3/9/2018	0.35	0.35	0.0%	2.05	2.1	2.4%
1128043346	3/9/2018	0.33	0.33	0.0%	1.67	1.71	2.4%
1128043370	3/9/2018	0.72	0.7	2.8%	0.82	0.85	3.6%
1128043414	3/9/2018	0.87	0.87	0.0%	1.24	1.18	5.0%
1128042003	3/10/2018	0.86	0.85	1.2%	1.9	1.96	3.1%
1128042007	3/10/2018	0.23	0.25	8.3%	1.49	1.51	1.3%
1128042097	3/10/2018	0.06	0.06	0.0%	1.55	1.54	0.6%
1128042136	3/10/2018	0.14	0.14	0.0%	1.29	1.31	1.5%
1128043356	3/10/2018	0.34	0.31	9.2%	1.56	1.62	3.8%
1128043360	3/10/2018	0.08	0.06	28.6%	1.76	1.81	2.8%
1128043444	3/10/2018	1.11	1.1	0.9%	1.57	1.57	0.0%
1128043449	3/10/2018	0.07	0.06	15.4%	1.31	1.3	0.8%
1128043489	3/10/2018	0.22	0.21	4.7%	2.11	2.08	1.4%
1128042047	3/11/2018	0.37	0.36	2.7%	2.19	2.2	0.5%
1128042085	3/11/2018	0.94	0.94	0.0%	1.83	1.87	2.2%
1128042167	3/11/2018	0.19	0.22	14.6%	1.49	1.47	1.4%
1128042169	3/11/2018	0.72	0.73	1.4%	1.66	1.71	3.0%
1128043471	3/11/2018	0.16	0.14	13.3%	1.88	1.99	5.7%
1128043499	3/11/2018	0.04	0.05	22.2%	2.25	2.26	0.4%
1126001137	3/12/2018	0.43	0.44	2.3%	0.84	0.82	2.4%
1128042105	3/12/2018	0.08	0.08	0.0%	1.34	1.46	8.6%
1128042147	3/12/2018	0.9	0.9	0.0%	1.37	1.38	0.7%
1128042209	3/12/2018	1.13	1.13	0.0%	1.69	1.69	0.0%
1128042210	3/12/2018	1.03	1.03	0.0%	1.45	1.53	5.4%
1128043437	3/12/2018	0.72	0.72	0.0%	2.15	2.16	0.5%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1128044073	3/12/2018	0.65	0.64	1.6%	1.48	1.5	1.3%
1128042221	3/13/2018	0.85	0.85	0.0%	2.23	2.25	0.9%
1128042189	3/15/2018	1.16	1.13	2.6%	1.31	1.29	1.5%
1128044006	3/15/2018	0.05	0.05	0.0%	1.83	1.87	2.2%
1128044028	3/15/2018	0.12	0.12	0.0%	3.71	3.63	2.2%
1128044035	3/15/2018	1.46	1.46	0.0%	2.15	2.15	0.0%
1128044037	3/15/2018	0.56	0.53	5.5%	0.99	0.99	0.0%
1128044061	3/15/2018	0.72	0.71	1.4%	2.43	2.41	0.8%
1128044078	3/15/2018	0.55	0.55	0.0%	2.05	2.03	1.0%
1128044123	3/15/2018	1.2	1.24	3.3%	0.95	0.96	1.0%
1127025309	3/17/2018	0.51	0.53	3.8%	0.23	0.25	8.3%
1127025316	3/17/2018	0.39	0.39	0.0%	0.39	0.39	0.0%
1127025323	3/17/2018	0.36	0.33	8.7%	0.35	0.34	2.9%
1127025349	3/17/2018	0.44	0.45	2.2%	1.07	1.08	0.9%
1127025361	3/17/2018	0.45	0.46	2.2%	1.31	1.33	1.5%
1127025387	3/17/2018	0.41	0.41	0.0%	0.65	0.64	1.6%
1127025394	3/17/2018	0.81	0.81	0.0%	0.18	0.19	5.4%
1127025409	3/17/2018	0.6	0.6	0.0%	0.44	0.46	4.4%
1127025425	3/17/2018	0.75	0.74	1.3%	0.73	0.69	5.6%
1127026015	3/17/2018	0.25	0.25	0.0%	1.36	1.35	0.7%
1127026023	3/17/2018	0.88	0.9	2.2%	1.76	1.79	1.7%
1127026040	3/17/2018	0.51	0.52	1.9%	0.58	0.59	1.7%
1127026060	3/17/2018	0.44	0.44	0.0%	1.32	1.34	1.5%
1127026077	3/17/2018	0.47	0.45	4.3%	0.92	0.83	10.3%
1127026088	3/17/2018	0.65	0.68	4.5%	0.39	0.47	18.6%
1127026110	3/17/2018	0.39	0.38	2.6%	2.13	2.11	0.9%
1127026124	3/17/2018	0.61	0.62	1.6%	1.27	1.29	1.6%
1127026126	3/17/2018	0.74	0.78	5.3%	1.3	1.3	0.0%
1127026138	3/17/2018	0.43	0.43	0.0%	0.77	0.79	2.6%
1127026153	3/17/2018	0.64	0.68	6.1%	2.09	2.2	5.1%
1127026168	3/17/2018	0.63	0.62	1.6%	1.04	1	3.9%
1127026178	3/17/2018	0.6	0.61	1.7%	0.47	0.47	0.0%
1126003041	3/18/2018	0.13	0.13	0.0%	1.12	1.12	0.0%
1126003065	3/18/2018	0.1	0.11	9.5%	0.64	0.64	0.0%
1126003070	3/18/2018	0.39	0.4	2.5%	0.27	0.31	13.8%
1126003074	3/18/2018	0.64	0.65	1.6%	0.83	0.91	9.2%
1126003083	3/18/2018	0.17	0.16	6.1%	1.27	1.29	1.6%
1126003124	3/18/2018	0.6	0.6	0.0%	0.22	0.23	4.4%
1126003144	3/18/2018	0.6	0.6	0.0%	0.2	0.19	5.1%
1127025435	3/18/2018	0.99	0.99	0.0%	0.43	0.4	7.2%
1127025443	3/18/2018	0.5	0.52	3.9%	0.32	0.4	22.2%
1127025456	3/18/2018	0.54	0.56	3.6%	0.08	0.09	11.8%
1130094005	3/18/2018	0.08	0.08	0.0%	1.26	1.27	0.8%
1130094020	3/18/2018	0.05	0.05	0.0%	1.55	1.61	3.8%
1128045015	3/21/2018	0.59	0.58	1.7%	1.35	1.36	0.7%
1128045040	3/21/2018	0.31	0.3	3.3%	1.84	1.77	3.9%
1128045055	3/21/2018	0.52	0.54	3.8%	0.63	0.66	4.7%
1128045075	3/21/2018	1.01	1.01	0.0%	1.38	1.35	2.2%
1128045103	3/21/2018	0.33	0.33	0.0%	0.13	0.13	0.0%
1128045108	3/21/2018	0.2	0.2	0.0%	1.48	1.44	2.7%
1128045110	3/21/2018	0.4	0.51	24.2%	1.72	1.39	21.2%
1128045149	3/21/2018	1.25	1.26	0.8%	0.86	0.83	3.6%
1128045151	3/21/2018	0.59	0.59	0.0%	1.64	1.7	3.6%
1128046123	3/21/2018	0.65	0.66	1.5%	2.11	2.16	2.3%
1128046125	3/21/2018	0.56	0.54	3.6%	1.82	1.71	6.2%
1128046144	3/21/2018	0.58	0.58	0.0%	1.74	1.84	5.6%
1128046154	3/21/2018	0.27	0.27	0.0%	1.87	1.91	2.1%
1128048092	3/21/2018	0.14	0.14	0.0%	2.2	2.31	4.9%
1128048095	3/21/2018	0.24	0.25	4.1%	2.75	2.79	1.4%
1128048097	3/21/2018	0.52	0.52	0.0%	1.76	1.83	3.9%
1128048131	3/21/2018	0.43	0.42	2.4%	2.15	2.1	2.4%
1126003009	3/23/2018	0.3	0.33	9.5%	0.9	0.97	7.5%
1126003017	3/23/2018	0.12	0.12	0.0%	0.85	0.79	7.3%
1126003038	3/23/2018	0.32	0.32	0.0%	1.21	1.28	5.6%
1127031114	3/23/2018	0.32	0.33	3.1%	1.86	1.9	2.1%
1127031129	3/23/2018	0.21	0.21	0.0%	1.84	1.97	6.8%
1128045508	3/23/2018	0.53	0.53	0.0%	0.55	0.56	1.8%
1128046108	3/23/2018	0.9	0.89	1.1%	1.84	1.85	0.5%
1128047065	3/23/2018	0.22	0.17	25.6%	2.17	1.94	11.2%
1128047076	3/23/2018	0.02	0.02	0.0%	2.03	2.09	2.9%
1128047099	3/23/2018	0.08	0.08	0.0%	1.85	1.81	2.2%
1128047118	3/23/2018	0.44	0.43	2.3%	2	2	0.0%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1128047134	3/23/2018	0.43	0.43	0.0%	1.53	1.53	0.0%
1128047145	3/23/2018	0.97	0.98	1.0%	1.69	1.72	1.8%
1127033013	3/24/2018	1.2	1.2	0.0%	1.7	1.7	0.0%
1127033018	3/24/2018	1.1	1.06	3.7%	1.2	1.19	0.8%
1127033030	3/24/2018	1.01	1.01	0.0%	1.7	1.72	1.2%
1128047034	3/24/2018	0.19	0.19	0.0%	1.67	1.72	2.9%
1128047048	3/24/2018	0.65	0.23	95.5%	2.21	1.89	15.6%
1128048046	3/24/2018	0.76	0.72	5.4%	2.72	2.67	1.9%
1128048055	3/24/2018	0.71	0.75	5.5%	1.82	1.93	5.9%
1127031101	3/25/2018	0.34	0.33	3.0%	2.03	2	1.5%
1127031141	3/25/2018	0.13	0.12	8.0%	1.66	1.66	0.0%
1127033034	3/25/2018	1.17	1.2	2.5%	1.62	1.66	2.4%
1127033053	3/25/2018	1.24	1.24	0.0%	1.65	1.66	0.6%
1128048109	3/25/2018	0.41	0.39	5.0%	3.1	3.12	0.6%
1128048144	3/25/2018	0.38	0.39	2.6%	2.76	2.84	2.9%
1127030037	3/26/2018	0.66	0.63	4.7%	1.81	1.72	5.1%
1127030048	3/26/2018	1.05	1.05	0.0%	1.58	1.68	6.1%
1127031077	3/26/2018	0.25	0.24	4.1%	2.55	2.49	2.4%
1128047019	3/26/2018	0.03	0.03	0.0%	3.32	3.16	4.9%
1128048008	3/26/2018	0.16	0.16	0.0%	1.72	1.71	0.6%
1128048019	3/26/2018	0.44	0.46	4.4%	1.94	2.01	3.5%
1128048031	3/26/2018	0.05	0.04	22.2%	2.71	2.74	1.1%
1130101007	3/26/2018	1	1	0.0%	0.38	0.36	5.4%
1127030027	3/29/2018	1.45	1.46	0.7%	1.74	1.77	1.7%
1127030059	3/29/2018	0.12	0.13	8.0%	4.27	4.23	0.9%
1127030079	3/29/2018	0.95	0.94	1.1%	2	2.01	0.5%
1127030105	3/29/2018	0.06	0.06	0.0%	2.69	2.64	1.9%
1127030133	3/29/2018	0.98	0.92	6.3%	2.3	2.14	7.2%
1127030138	3/29/2018	0.73	0.74	1.4%	1.84	1.88	2.2%
1127027106	3/30/2018	0.6	0.61	1.7%	1.49	1.48	0.7%
1127027117	3/30/2018	0.57	0.57	0.0%	0.88	0.84	4.7%
1127027126	3/30/2018	0.51	0.51	0.0%	2.17	2.24	3.2%
1127027131	3/30/2018	0.65	0.68	4.5%	1.1	1.12	1.8%
1127027146	3/30/2018	0.43	0.43	0.0%	2.33	2.33	0.0%
1127027157	3/30/2018	0.63	0.64	1.6%	0.68	0.68	0.0%
1127027170	3/30/2018	0.88	0.88	0.0%	1.74	1.78	2.3%
1127027210	3/30/2018	1.02	1.02	0.0%	1.87	1.87	0.0%
1128046003	3/30/2018	0.74	0.73	1.4%	1.95	1.92	1.6%
1128046010	3/30/2018	1.01	1.02	1.0%	2.03	2.07	2.0%
1128046025	3/30/2018	0.65	0.65	0.0%	2.46	2.39	2.9%
1128046039	3/30/2018	0.68	0.67	1.5%	1.99	1.97	1.0%
1128046043	3/30/2018	0.85	0.86	1.2%	2.33	2.37	1.7%
1131072019	3/30/2018	0.22	0.21	4.7%	1.77	1.7	4.0%
1131072040	3/30/2018	0.09	0.09	0.0%	0.97	0.97	0.0%
1131072059	3/30/2018	0.2	0.18	10.5%	2.06	2.1	1.9%
1131072080	3/30/2018	0.19	0.19	0.0%	1.62	1.7	4.8%
1131072105	3/30/2018	0.19	0.19	0.0%	1.84	1.85	0.5%
1128047061	3/31/2018	0.19	0.19	0.0%	2.26	2.21	2.2%
1127029108	4/1/2018	0.71	0.71	0.0%	2	1.94	3.0%
1127029143	4/1/2018	0.67	0.67	0.0%	1.92	1.85	3.7%
1127032008	4/1/2018	0.25	0.25	0.0%	1.13	1.13	0.0%
1127032012	4/1/2018	0.28	0.28	0.0%	1.18	1.21	2.5%
1127032022	4/1/2018	0.21	0.2	4.9%	1.01	1.03	2.0%
1127032035	4/1/2018	0.33	0.33	0.0%	1.27	1.19	6.5%
1127032058	4/1/2018	0.25	0.26	3.9%	1.03	1.02	1.0%
1127032092	4/1/2018	0.46	0.43	6.7%	1.34	1.27	5.4%
1127032101	4/1/2018	0.53	0.57	7.3%	1.08	1.32	20.0%
1127032118	4/1/2018	0.24	0.23	4.3%	1.16	1.13	2.6%
1127032126	4/1/2018	0.9	0.89	1.1%	0.92	0.91	1.1%
1127032137	4/1/2018	0.69	0.71	2.9%	1.36	1.38	1.5%
1127032149	4/1/2018	0.91	0.92	1.1%	0.7	0.7	0.0%
1127032156	4/1/2018	0.82	0.8	2.5%	1.27	1.3	2.3%
1127036060	4/1/2018	0.41	0.41	0.0%	0.8	0.79	1.3%
1127036090	4/1/2018	0.39	0.4	2.5%	0.54	0.55	1.8%
1127036106	4/1/2018	0.25	0.25	0.0%	1.43	1.5	4.8%
1127036041	4/2/2018	0.27	0.27	0.0%	0.18	0.17	5.7%
1127029158	4/3/2018	0.87	0.88	1.1%	2.3	2.35	2.2%
1127037110	4/4/2018	0.7	0.71	1.4%	1.99	2.05	3.0%
1127037126	4/4/2018	0.28	0.28	0.0%	2.35	2.36	0.4%
1127037142	4/4/2018	0.62	0.68	9.2%	1.22	1.33	8.6%
1127037157	4/4/2018	0.32	0.32	0.0%	2.25	2.25	0.0%
1127037173	4/4/2018	1.02	1.02	0.0%	1.48	1.48	0.0%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1130101071	4/4/2018	0.71	0.78	9.4%	0.45	0.51	12.5%
1127037177	4/5/2018	0.32	0.32	0.0%	2.21	2.25	1.8%
1230001098	4/5/2018	0.03	0.03	0.0%	1.58	1.54	2.6%
1230001169	4/5/2018	0.02	0.02	0.0%	1.07	1.16	8.1%
1230001184	4/5/2018	0.1	0.09	10.5%	1.07	1.12	4.6%
1230001206	4/5/2018	0.05	0.05	0.0%	2.38	2.42	1.7%
1127034019	4/6/2018	0.53	0.53	0.0%	1.42	1.45	2.1%
1127034024	4/6/2018	0.38	0.35	8.2%	1.61	1.51	6.4%
1127034041	4/6/2018	0.28	0.28	0.0%	2.54	2.58	1.6%
1127034061	4/6/2018	0.09	0.1	10.5%	1.56	1.58	1.3%
1127034066	4/6/2018	0.18	0.17	5.7%	1.47	1.44	2.1%
1127034085	4/6/2018	0.41	0.44	7.1%	1.57	1.65	5.0%
1127034096	4/6/2018	0.02	0.02	0.0%	2.01	1.93	4.1%
1127034148	4/6/2018	0.14	0.13	7.4%	2.5	2.45	2.0%
1127034199	4/6/2018	0.08	0.08	0.0%	3.05	3.09	1.3%
1230001090	4/6/2018	0.23	0.23	0.0%	1.08	1.05	2.8%
1230001103	4/6/2018	0.16	0.16	0.0%	0.84	0.86	2.4%
1230001175	4/6/2018	0.11	0.11	0.0%	1.89	1.85	2.1%
1230001179	4/6/2018	0.04	0.04	0.0%	4.25	3.97	6.8%
1230001197	4/6/2018	0.1	0.1	0.0%	0.77	0.8	3.8%
1127034157	4/7/2018	0.12	0.11	8.7%	2.36	2.31	2.1%
1127034166	4/7/2018	0.75	0.75	0.0%	1.8	1.78	1.1%
1127034186	4/7/2018	0.24	0.23	4.3%	2.19	2.14	2.3%
1127034190	4/7/2018	0.4	0.4	0.0%	1.81	1.86	2.7%
1230001026	4/7/2018	0.42	0.43	2.4%	0.75	0.74	1.3%
1230001045	4/7/2018	0.03	0.03	0.0%	0.9	0.88	2.2%
1230001056	4/7/2018	0.13	0.13	0.0%	0.88	0.92	4.4%
1127034117	4/8/2018	0.35	0.35	0.0%	1.93	1.78	8.1%
1127038071	4/8/2018	0.69	0.7	1.4%	1.91	1.93	1.0%
1126004015	4/9/2018	0.43	0.42	2.4%	0.36	0.34	5.7%
1127038035	4/9/2018	0.9	0.9	0.0%	1.76	1.72	2.3%
1127038037	4/9/2018	1.2	1.16	3.4%	1.64	1.59	3.1%
1127038056	4/9/2018	1.19	1.21	1.7%	1.64	1.66	1.2%
1127041005	4/12/2018	0.49	0.48	2.1%	2.86	2.97	3.8%
1127041074	4/12/2018	0.9	0.88	2.2%	2.39	2.49	4.1%
1127041118	4/12/2018	0.88	0.93	5.5%	2.79	2.51	10.6%
1127041129	4/12/2018	0.93	0.93	0.0%	2.57	2.62	1.9%
1127041135	4/12/2018	0.26	0.25	3.9%	2.77	2.71	2.2%
1127041153	4/12/2018	0.31	0.3	3.3%	2.19	2.2	0.5%
1127041171	4/12/2018	0.39	0.4	2.5%	2.07	2.15	3.8%
1127041175	4/12/2018	0.47	0.47	0.0%	1.99	1.9	4.6%
1127041184	4/12/2018	0.09	0.09	0.0%	2.31	2.24	3.1%
1127041189	4/12/2018	0.24	0.24	0.0%	2.13	2.06	3.3%
1127041204	4/12/2018	0.13	0.12	8.0%	2.16	2.27	5.0%
1127041234	4/12/2018	1.17	1.1	6.2%	2.14	2.25	5.0%
1127041269	4/12/2018	0.68	0.67	1.5%	2.03	2.12	4.3%
1230002025	4/14/2018	0.03	0.03	0.0%	1.52	1.65	8.2%
1230002041	4/14/2018	0.04	0.04	0.0%	2.13	2.19	2.8%
1230002062	4/14/2018	0.01	0.01	0.0%	1.17	1.08	8.0%
1230002087	4/14/2018	0.04	0.04	0.0%	1.76	1.82	3.4%
1230002090	4/14/2018	0.04	0.04	0.0%	2.86	3.09	7.7%
1230002116	4/14/2018	0.13	0.13	0.0%	1.54	1.67	8.1%
1127041023	4/16/2018	0.74	0.73	1.4%	1.73	1.74	0.6%
1127041054	4/16/2018	0.4	0.4	0.0%	2.48	2.54	2.4%
1127041101	4/16/2018	0.5	0.53	5.8%	1.82	2.04	11.4%
1127041198	4/16/2018	0.59	0.58	1.7%	2.02	2.02	0.0%
1127041299	4/16/2018	0.63	0.63	0.0%	1.9	1.8	5.4%
1126004050	4/18/2018	0.09	0.1	10.5%	1.58	1.62	2.5%
1126004058	4/18/2018	0.25	0.25	0.0%	1	1.05	4.9%
1126004064	4/18/2018	0.78	0.77	1.3%	0.38	0.43	12.3%
1126004084	4/18/2018	0.25	0.25	0.0%	1.03	1.02	1.0%
1126004087	4/18/2018	0.39	0.39	0.0%	0.65	0.76	15.6%
1126004103	4/18/2018	0.45	0.44	2.2%	1.62	1.65	1.8%
1126004107	4/18/2018	0.44	0.45	2.2%	1.17	1.17	0.0%
1126004115	4/18/2018	0.48	0.47	2.1%	0.44	0.45	2.2%
1126004127	4/18/2018	0.54	0.49	9.7%	0.44	0.41	7.1%
1126004138	4/18/2018	0.38	0.43	12.3%	0.61	0.65	6.3%
1126004143	4/18/2018	0.5	0.48	4.1%	0.8	0.78	2.5%
1126010229	4/18/2018	0.57	0.56	1.8%	0.65	0.66	1.5%
1126004167	4/19/2018	0.34	0.34	0.0%	0.54	0.55	1.8%
1127042019	4/19/2018	0.31	0.31	0.0%	1.93	1.89	2.1%
1127042029	4/19/2018	0.09	0.1	10.5%	1.55	1.57	1.3%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1127042055	4/19/2018	0.25	0.25	0.0%	2.14	2.18	1.9%
1127042170	4/19/2018	0.16	0.16	0.0%	1.28	1.35	5.3%
1127042213	4/19/2018	0.31	0.31	0.0%	1.38	1.33	3.7%
1127042239	4/19/2018	0.75	0.73	2.7%	1.13	1.1	2.7%
1230003105	4/19/2018	0.06	0.05	18.2%	2.21	2.24	1.3%
1230003115	4/19/2018	0.17	0.18	5.7%	0.34	0.36	5.7%
1230003121	4/19/2018	0.07	0.07	0.0%	2.04	2.02	1.0%
1230003147	4/19/2018	0.11	0.11	0.0%	0.69	0.69	0.0%
1230003157	4/19/2018	0.09	0.09	0.0%	0.6	0.62	3.3%
1230003167	4/19/2018	0.12	0.11	8.7%	1.39	1.35	2.9%
1230003176	4/19/2018	0.24	0.24	0.0%	1.63	1.63	0.0%
1230003183	4/19/2018	0.17	0.16	6.1%	1.25	1.18	5.8%
1230003218	4/19/2018	0.41	0.4	2.5%	4.49	4.61	2.6%
1230003979	4/19/2018	0.04	0.05	22.2%	1.89	1.92	1.6%
1230003989	4/19/2018	0.31	0.32	3.2%	1.63	1.62	0.6%
1126005014	4/20/2018	0.36	0.36	0.0%	0.74	0.67	9.9%
1126005024	4/20/2018	0.33	0.34	3.0%	0.91	0.91	0.0%
1126010005	4/20/2018	0.61	0.62	1.6%	0.49	0.52	5.9%
1126010103	4/20/2018	0.43	0.42	2.4%	0.63	0.65	3.1%
1126010165	4/20/2018	0.56	0.57	1.8%	0.86	0.84	2.4%
1126010170	4/20/2018	0.53	0.54	1.9%	0.74	0.75	1.3%
1126010184	4/20/2018	0.31	0.31	0.0%	0.65	0.65	0.0%
1126010190	4/20/2018	0.31	0.3	3.3%	0.48	0.47	2.1%
1126010195	4/20/2018	0.38	0.39	2.6%	0.59	0.58	1.7%
1126010213	4/20/2018	0.35	0.36	2.8%	0.74	0.73	1.4%
1127042156	4/20/2018	0.44	0.44	0.0%	1.83	1.82	0.5%
1127042251	4/20/2018	0.1	0.09	10.5%	1.95	1.98	1.5%
1230003210	4/20/2018	0.68	0.67	1.5%	3	2.74	9.1%
1230004144	4/20/2018	0.58	0.58	0.0%	2.66	2.69	1.1%
1127042102	4/21/2018	0.23	0.23	0.0%	1.91	1.9	0.5%
1127042122	4/21/2018	0.59	0.6	1.7%	3.95	3.87	2.0%
1127042158	4/21/2018	0.66	0.67	1.5%	2.05	2.12	3.4%
1230003073	4/21/2018	0.05	0.05	0.0%	2.43	2.66	9.0%
1230003230	4/21/2018	0.24	0.24	0.0%	2.46	2.41	2.1%
1230004085	4/21/2018	0.45	0.46	2.2%	1.5	1.53	2.0%
1230004099	4/21/2018	0.48	0.48	0.0%	1.13	1.13	0.0%
1230004117	4/21/2018	0.53	0.52	1.9%	1.43	1.41	1.4%
1126011015	4/22/2018	0.68	0.68	0.0%	1.1	1.11	0.9%
1126011226	4/22/2018	0.28	0.28	0.0%	0.55	0.54	1.8%
1126011246	4/22/2018	0.52	0.52	0.0%	0.33	0.3	9.5%
1126011250	4/22/2018	0.48	0.47	2.1%	0.62	0.56	10.2%
1127042133	4/22/2018	0.28	0.27	3.6%	1.63	1.62	0.6%
1230003019	4/22/2018	0.05	0.05	0.0%	1.66	1.64	1.2%
1230003021	4/22/2018	0.12	0.12	0.0%	1.57	1.55	1.3%
1230003034	4/22/2018	0.03	0.03	0.0%	2.32	2.37	2.1%
1230004062	4/22/2018	0.7	0.69	1.4%	1.02	1.01	1.0%
1126011007	4/23/2018	0.57	0.57	0.0%	0.29	0.3	3.4%
1126011025	4/23/2018	0.99	0.98	1.0%	0.7	0.64	9.0%
1126011181	4/23/2018	0.32	0.33	3.1%	0.97	0.93	4.2%
1126011184	4/23/2018	0.45	0.45	0.0%	0.35	0.35	0.0%
1230003042	4/23/2018	0.28	0.28	0.0%	1.2	1.2	0.0%
1230003053	4/23/2018	0.14	0.14	0.0%	0.96	0.87	9.8%
1126011141	4/25/2018	0.27	0.28	3.6%	0.3	0.31	3.3%
1126011151	4/25/2018	0.29	0.27	7.1%	0.3	0.53	55.4%
1126011171	4/25/2018	0.38	0.37	2.7%	0.62	0.61	1.6%
1126015058	4/25/2018	0.27	0.26	3.8%	0.73	0.74	1.4%
1126015127	4/25/2018	0.28	0.28	0.0%	1.46	1.46	0.0%
1230004025	4/25/2018	0.93	0.91	2.2%	0.94	0.89	5.5%
1230004042	4/25/2018	1.14	1.14	0.0%	0.81	0.81	0.0%
1230004043	4/25/2018	0.69	0.69	0.0%	1.04	1.03	1.0%
1126011101	4/26/2018	0.74	0.77	4.0%	0.19	0.19	0.0%
1126011122	4/26/2018	0.29	0.29	0.0%	0.26	0.26	0.0%
1126012007	4/26/2018	0.34	0.33	3.0%	0.51	0.47	8.2%
1126012071	4/26/2018	0.34	0.38	11.1%	1.19	1.3	8.8%
1126012080	4/26/2018	0.29	0.3	3.4%	0.22	0.22	0.0%
1126012119	4/26/2018	0.44	0.39	12.0%	0.21	0.18	15.4%
1126012125	4/26/2018	0.28	0.29	3.5%	0.42	0.44	4.7%
1126012138	4/26/2018	0.34	0.33	3.0%	0.42	0.37	12.7%
1126012139	4/26/2018	0.32	0.39	19.7%	0.32	0.4	22.2%
1126015020	4/26/2018	0.26	0.25	3.9%	1.48	1.44	2.7%
1126015041	4/26/2018	0.3	0.3	0.0%	2.42	2.23	8.2%
1126015071	4/26/2018	0.22	0.21	4.7%	3.5	3.49	0.3%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1126015123	4/26/2018	1.05	1.03	1.9%	2.71	2.83	4.3%
1130101111	4/26/2018	0.95	0.94	1.1%	0.44	0.46	4.4%
1126012046	4/27/2018	0.44	0.46	4.4%	0.29	0.29	0.0%
1126012114	4/27/2018	0.36	0.32	11.8%	0.31	0.28	10.2%
1126012109	4/28/2018	0.41	0.4	2.5%	0.19	0.18	5.4%
1126012148	4/28/2018	0.35	0.33	5.9%	0.36	0.37	2.7%
1126007008	4/30/2018	0.81	0.85	4.8%	0.94	0.98	4.2%
1126007039	4/30/2018	0.78	0.81	3.8%	1.13	1.17	3.5%
1126007056	4/30/2018	0.99	0.96	3.1%	1.31	1.23	6.3%
1126007067	4/30/2018	0.96	0.94	2.1%	1.28	1.26	1.6%
1126007102	4/30/2018	0.73	0.73	0.0%	1.04	1.09	4.7%
1126007109	4/30/2018	0.76	0.76	0.0%	0.93	0.96	3.2%
1126007134	4/30/2018	0.59	0.6	1.7%	0.79	0.83	4.9%
1126007150	4/30/2018	0.45	0.48	6.5%	1.63	1.68	3.0%
1126007165	4/30/2018	0.62	0.62	0.0%	1.94	1.95	0.5%
1126007307	4/30/2018	0.76	0.72	5.4%	1.76	1.85	5.0%
1126013020	4/30/2018	0.56	0.56	0.0%	0.23	0.22	4.4%
1126013069	4/30/2018	0.38	0.39	2.6%	0.59	0.64	8.1%
1126013078	4/30/2018	0.55	0.55	0.0%	0.27	0.27	0.0%
1126013079	4/30/2018	0.54	0.54	0.0%	0.16	0.17	6.1%
1126014009	4/30/2018	0.27	0.3	10.5%	1.19	1.31	9.6%
1126014074	4/30/2018	0.7	0.68	2.9%	1.16	1.18	1.7%
1126014115	4/30/2018	0.54	0.56	3.6%	1.2	1.21	0.8%
1126015028	4/30/2018	0.34	0.35	2.9%	2.86	2.82	1.4%
1126015044	4/30/2018	0.33	0.35	5.9%	2.06	2.19	6.1%
1126015083	4/30/2018	0.27	0.29	7.1%	3.15	3.35	6.2%
1126007028	5/2/2018	0.5	0.5	0.0%	0.56	0.6	6.9%
1126007043	5/2/2018	0.93	0.94	1.1%	0.63	0.62	1.6%
1126007079	5/2/2018	0.84	0.82	2.4%	0.72	0.71	1.4%
1126007324	5/2/2018	0.78	0.77	1.3%	1.54	1.48	4.0%
1126007344	5/2/2018	0.62	0.61	1.6%	2.82	2.78	1.4%
1126007354	5/2/2018	0.37	0.37	0.0%	2.08	2.09	0.5%
1126007360	5/2/2018	1.19	1.17	1.7%	2.1	2.23	6.0%
1126007383	5/2/2018	0.56	0.55	1.8%	2.12	2.17	2.3%
1126013044	5/2/2018	0.77	0.77	0.0%	0.4	0.4	0.0%
1126007171	5/3/2018	0.86	0.87	1.2%	1.08	1.07	0.9%
1126014018	5/3/2018	0.69	0.67	2.9%	1.15	1.13	1.8%
1126014031	5/3/2018	0.27	0.28	3.6%	1.09	1.07	1.9%
1126014093	5/3/2018	0.17	0.15	12.5%	2.19	2.01	8.6%
1126014094	5/3/2018	0.33	0.34	3.0%	2.25	2.3	2.2%
1126014096	5/3/2018	0.57	0.59	3.4%	1.49	1.52	2.0%
4137501024	5/3/2018	0.08	0.08	0.0%	0.02	0.02	0.0%
1126007403	5/4/2018	0.89	0.88	1.1%	2.68	2.65	1.1%
1126014042	5/4/2018	0.61	0.58	5.0%	1.27	1.27	0.0%
1126014138	5/4/2018	0.63	0.6	4.9%	1.37	1.4	2.2%
1126014175	5/4/2018	0.22	0.22	0.0%	1.3	1.35	3.8%
1126016073	5/4/2018	1.23	1.22	0.8%	2.11	1.62	26.3%
1126014020	5/5/2018	0.86	0.86	0.0%	2.31	2.33	0.9%
1126015137	5/5/2018	0.22	0.21	4.7%	2.2	2.38	7.9%
1126015138	5/5/2018	0.21	0.21	0.0%	2.58	3.02	15.7%
1126016007	5/5/2018	1.1	1.08	1.8%	2.06	2.06	0.0%
1126016043	5/5/2018	1.24	1.23	0.8%	1.63	1.7	4.2%
1126016045	5/5/2018	1.04	1.12	7.4%	1.76	2.04	14.7%
1126016076	5/5/2018	1.09	1.05	3.7%	1.74	1.72	1.2%
1126016111	5/5/2018	0.79	0.79	0.0%	2.87	3	4.4%
1126016115	5/5/2018	0.25	0.2	22.2%	5.48	5.57	1.6%
1126018119	5/6/2018	1.25	1.23	1.6%	2.24	2.29	2.2%
1126019008	5/6/2018	0.61	0.64	4.8%	1.38	1.39	0.7%
1126019039	5/6/2018	0.69	0.67	2.9%	1.19	1.17	1.7%
1126019224	5/6/2018	0.73	0.73	0.0%	0.63	0.63	0.0%
1126019257	5/6/2018	0.34	0.36	5.7%	1.79	1.73	3.4%
1230005231	5/6/2018	0.37	0.37	0.0%	1.73	1.76	1.7%
1126014180	5/7/2018	0.21	0.2	4.9%	1.05	1.08	2.8%
1126016150	5/7/2018	0.14	0.12	15.4%	2.09	2.17	3.8%
1126018065	5/7/2018	0.22	0.22	0.0%	2.1	2.11	0.5%
1126018080	5/7/2018	0.98	0.98	0.0%	2.68	2.66	0.7%
1126018086	5/7/2018	0.93	0.93	0.0%	1.19	1.29	8.1%
1126016066	5/8/2018	1.16	1.16	0.0%	1.97	2.07	5.0%
1126018005	5/8/2018	0.4	0.4	0.0%	2.09	2.12	1.4%
1126018009	5/8/2018	0.49	0.47	4.2%	1.85	1.83	1.1%
1126018010	5/8/2018	0.63	0.63	0.0%	1.77	1.78	0.6%
1126018060	5/8/2018	0.8	0.81	1.2%	2.4	2.45	2.1%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1126018077	5/8/2018	1.11	1.1	0.9%	2.47	2.42	2.0%
1126019225	5/8/2018	0.64	0.65	1.6%	0.96	0.99	3.1%
1126019258	5/8/2018	0.22	0.21	4.7%	1.49	1.42	4.8%
1230005110	5/8/2018	0.05	0.05	0.0%	2.39	2.49	4.1%
1230005145	5/8/2018	0.03	0.03	0.0%	2.42	2.23	8.2%
1230005153	5/8/2018	0.06	0.06	0.0%	1.76	1.76	0.0%
1230005169	5/8/2018	0.33	0.35	5.9%	1.9	1.89	0.5%
1230005209	5/8/2018	0.02	0.02	0.0%	2.17	2.24	3.2%
1230005219	5/8/2018	0.43	0.43	0.0%	1.4	1.43	2.1%
4137501044	5/8/2018	0.12	0.11	8.7%	0.79	0.78	1.3%
4137501060	5/8/2018	0.07	0.08	13.3%	0.05	0.05	0.0%
4137501072	5/8/2018	0.09	0.1	10.5%	0.18	0.18	0.0%
4137501082	5/8/2018	0.16	0.16	0.0%	0.13	0.13	0.0%
4137501120	5/8/2018	0.07	0.08	13.3%	0.15	0.14	6.9%
4137501174	5/8/2018	0.24	0.25	4.1%	0.11	0.11	0.0%
1126016001	5/9/2018	0.63	0.62	1.6%	1.95	1.95	0.0%
1126016015	5/9/2018	1.24	1.21	2.4%	2.53	2.5	1.2%
1126018045	5/9/2018	1.28	1.29	0.8%	1.54	1.54	0.0%
1126019164	5/9/2018	0.43	0.43	0.0%	0.84	0.87	3.5%
1126019186	5/9/2018	0.45	0.44	2.2%	2.39	2.32	3.0%
1126019189	5/9/2018	0.78	0.76	2.6%	1.75	1.66	5.3%
1126024101	5/9/2018	0.49	0.48	2.1%	1.87	1.85	1.1%
1126019101	5/10/2018	0.87	0.88	1.1%	0.69	0.67	2.9%
1126019108	5/10/2018	0.56	0.56	0.0%	2.03	1.99	2.0%
1126019140	5/10/2018	0.58	0.57	1.7%	2.74	2.63	4.1%
1127039011	5/10/2018	1.23	1.26	2.4%	2.71	2.79	2.9%
1127039107	5/10/2018	0.48	0.48	0.0%	1.92	1.91	0.5%
1127039117	5/10/2018	0.25	0.25	0.0%	1.41	1.44	2.1%
1126019175	5/11/2018	0.74	0.76	2.7%	2.18	2.21	1.4%
1126024069	5/11/2018	0.04	0.04	0.0%	1.53	1.52	0.7%
1126024139	5/11/2018	0.49	0.48	2.1%	2.02	2.02	0.0%
1127039017	5/11/2018	0.69	0.69	0.0%	1.43	1.44	0.7%
4137501122	5/11/2018	0.16	0.16	0.0%	0.03	0.03	0.0%
4137501156	5/11/2018	0.2	0.2	0.0%	0.01	0.01	0.0%
1126019026	5/12/2018	1.15	1.11	3.5%	2.29	2.21	3.6%
1126019114	5/12/2018	0.95	0.96	1.0%	1.8	1.8	0.0%
1126024160	5/12/2018	0.1	0.1	0.0%	2.01	2.01	0.0%
1126024155	5/13/2018	0.35	0.34	2.9%	1.86	1.83	1.6%
1229002066	5/13/2018	0.02	0.02	0.0%	1.39	1.33	4.4%
1229002085	5/13/2018	0.01	0.01	0.0%	2.15	2.14	0.5%
1126024008	5/14/2018	0.78	0.81	3.8%	1.99	2.22	10.9%
1126024038	5/15/2018	0.1	0.1	0.0%	2.37	2.49	4.9%
1126024047	5/15/2018	0.96	0.96	0.0%	1.84	1.82	1.1%
1126024064	5/15/2018	0.14	0.15	6.9%	2.31	2.29	0.9%
4137501166	5/15/2018	0.22	0.22	0.0%	0.04	0.04	0.0%
1126021142	5/16/2018	1.23	1.41	13.6%	1.8	2.09	14.9%
1229002063	5/16/2018	0.01	0.01	0.0%	2.38	2.27	4.7%
1229002089	5/16/2018	0.35	0.34	2.9%	2.39	2.33	2.5%
1229002116	5/16/2018	0.16	0.17	6.1%	2.1	2.07	1.4%
1229002024	5/17/2018	0.02	0.01	66.7%	1.23	1.26	2.4%
1229002029	5/17/2018	0.01	0.01	0.0%	1.65	1.6	3.1%
1229002049	5/17/2018	0.02	0.03	40.0%	2.16	2.13	1.4%
1229002095	5/17/2018	0.02	0.02	0.0%	1.8	1.81	0.6%
1229002159	5/17/2018	0.64	0.69	7.5%	2.25	2.18	3.2%
1229002161	5/17/2018	0.42	0.41	2.4%	2.04	1.95	4.5%
1126021015	5/18/2018	0.58	0.58	0.0%	1.18	1.13	4.3%
1126021020	5/18/2018	1.3	1.36	4.5%	0.75	0.76	1.3%
1126021045	5/18/2018	0.43	0.42	2.4%	0.05	0.05	0.0%
1126022103	5/18/2018	0.49	0.48	2.1%	0.34	0.34	0.0%
1229001116	5/18/2018	0.36	0.36	0.0%	1.84	1.87	1.6%
1229002165	5/18/2018	0.11	0.11	0.0%	0.59	0.58	1.7%
1126022078	5/19/2018	0.5	0.39	24.7%	0.18	0.27	40.0%
1229001094	5/19/2018	0.01	0.005	66.7%	0.32	0.3	6.5%
1229001110	5/19/2018	0.04	0.04	0.0%	2.86	2.87	0.3%
1229001113	5/19/2018	0.13	0.14	7.4%	1.97	1.95	1.0%
1229003075	5/19/2018	0.11	0.15	30.8%	1.28	1.26	1.6%
1229003056	5/20/2018	0.52	0.54	3.8%	1.9	2.02	6.1%
1229003059	5/20/2018	0.38	0.39	2.6%	2.25	2.24	0.4%
1229003076	5/20/2018	0.7	0.7	0.0%	2.36	2.34	0.9%
1229001027	5/21/2018	0.01	0.01	0.0%	1.99	1.9	4.6%
1229003053	5/21/2018	0.62	0.63	1.6%	2.3	2.25	2.2%
1126021032	5/22/2018	0.64	0.61	4.8%	0.49	0.46	6.3%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1126021034	5/22/2018	0.68	0.69	1.5%	1.43	1.47	2.8%
1126021039	5/22/2018	0.8	0.8	0.0%	0.55	0.57	3.6%
1126021123	5/22/2018	0.65	0.69	6.0%	0.25	0.29	14.8%
1126022009	5/22/2018	0.44	0.44	0.0%	0.25	0.25	0.0%
1126022021	5/22/2018	0.47	0.47	0.0%	0.38	0.38	0.0%
1229001021	5/22/2018	0.005	0.005	0.0%	1.61	1.6	0.6%
1229001038	5/22/2018	0.2	0.2	0.0%	1.92	1.9	1.0%
1229001056	5/22/2018	0.06	0.07	15.4%	1.65	1.69	2.4%
1229001062	5/22/2018	0.01	0.01	0.0%	1.86	1.81	2.7%
1229001082	5/22/2018	0.1	0.09	10.5%	1.68	1.65	1.8%
1229001101	5/22/2018	0.02	0.02	0.0%	2.56	2.7	5.3%
1126022125	5/23/2018	0.62	0.64	3.2%	0.31	0.31	0.0%
1229003012	5/23/2018	0.33	0.3	9.5%	2.75	2.49	9.9%
1229003014	5/23/2018	0.25	0.24	4.1%	2.63	2.53	3.9%
1229003041	5/23/2018	0.36	0.35	2.8%	2.52	2.62	3.9%
1229003613	5/23/2018	0.22	0.21	4.7%	0.93	0.9	3.3%
1229003619	5/23/2018	0.86	0.84	2.4%	2.22	2.23	0.4%
1229003660	5/23/2018	0.12	0.13	8.0%	0.99	0.95	4.1%
1126022164	5/24/2018	0.47	0.46	2.2%	0.33	0.32	3.1%
1126022168	5/24/2018	0.47	0.49	4.2%	0.22	0.24	8.7%
1229003048	5/24/2018	0.49	0.5	2.0%	2.5	2.61	4.3%
1126025003	5/26/2018	1.34	1.41	5.1%	2.35	2.57	8.9%
1126025161	5/26/2018	0.47	0.41	13.6%	1.06	0.92	14.1%
1126025176	5/26/2018	0.43	0.43	0.0%	1.22	1.25	2.4%
1229003027	5/26/2018	0.14	0.15	6.9%	1.57	1.54	1.9%
1229003605	5/26/2018	0.24	0.21	13.3%	0.5	0.43	15.1%
1229003624	5/26/2018	0.27	0.28	3.6%	1.95	1.95	0.0%
1229003666	5/26/2018	0.14	0.15	6.9%	0.39	0.4	2.5%
1125006108	5/27/2018	0.71	0.7	1.4%	0.78	0.77	1.3%
1125006112	5/27/2018	0.84	0.86	2.4%	1.4	1.37	2.2%
1125006125	5/27/2018	0.84	0.85	1.2%	1.12	1.21	7.7%
1126025131	5/27/2018	0.8	0.81	1.2%	2.26	2.41	6.4%
1126025144	5/27/2018	0.77	0.76	1.3%	0.54	0.55	1.8%
1126025159	5/27/2018	0.47	0.5	6.2%	0.25	0.28	11.3%
1126025203	5/27/2018	0.25	0.25	0.0%	1.12	1.12	0.0%
1126025205	5/27/2018	0.31	0.31	0.0%	1.14	1.2	5.1%
1125006060	5/28/2018	0.23	0.23	0.0%	1.17	1.23	5.0%
1125006095	5/28/2018	0.34	0.33	3.0%	0.52	0.53	1.9%
1126025108	5/28/2018	0.69	0.67	2.9%	0.75	0.74	1.3%
1125006055	5/30/2018	0.36	0.36	0.0%	1	1	0.0%
1125006082	5/30/2018	0.42	0.44	4.7%	0.74	0.75	1.3%
1126025113	5/30/2018	0.8	0.79	1.3%	1.35	1.29	4.5%
1126025136	5/30/2018	0.39	0.41	5.0%	0.17	0.16	6.1%
1125005008	5/31/2018	0.25	0.24	4.1%	1.5	1.49	0.7%
1125005041	5/31/2018	0.41	0.43	4.8%	1.22	1.19	2.5%
1125006021	5/31/2018	0.29	0.29	0.0%	1.63	1.66	1.8%
1125006032	5/31/2018	0.21	0.19	10.0%	2.06	1.93	6.5%
1126020013	5/31/2018	0.28	0.27	3.6%	1.36	1.35	0.7%
1126020052	5/31/2018	0.18	0.17	5.7%	1.89	1.82	3.8%
1126020056	5/31/2018	0.29	0.3	3.4%	1.57	1.54	1.9%
1126020074	5/31/2018	0.53	0.53	0.0%	1.14	1.15	0.9%
1126020078	5/31/2018	0.57	0.57	0.0%	0.93	0.93	0.0%
1126020097	5/31/2018	0.47	0.47	0.0%	1.11	1.12	0.9%
1126020119	5/31/2018	0.39	0.38	2.6%	1.12	1.26	11.8%
1126020130	5/31/2018	0.22	0.22	0.0%	1.71	1.7	0.6%
1126020142	5/31/2018	0.8	0.76	5.1%	0.99	0.95	4.1%
1126020168	5/31/2018	0.35	0.36	2.8%	2	1.99	0.5%
1126020195	5/31/2018	0.44	0.43	2.3%	2.17	2.18	0.5%
1125004122	6/1/2018	0.84	0.8	4.9%	0.82	0.78	5.0%
1125005076	6/1/2018	1.24	1.25	0.8%	1.17	1.17	0.0%
1125005087	6/1/2018	0.38	0.38	0.0%	0.84	0.84	0.0%
1125005092	6/1/2018	0.47	0.46	2.2%	0.98	0.96	2.1%
1125005099	6/1/2018	0.16	0.17	6.1%	1.17	1.19	1.7%
1126020145	6/1/2018	0.29	0.28	3.5%	1.09	1.07	1.9%
1126020153	6/1/2018	0.56	0.55	1.8%	1.04	1.02	1.9%
1126026169	6/1/2018	0.29	0.29	0.0%	0.63	0.63	0.0%
1125003054	6/2/2018	0.39	0.38	2.6%	0.25	0.25	0.0%
1125005062	6/2/2018	0.39	0.39	0.0%	0.97	0.97	0.0%
1126026141	6/2/2018	0.28	0.28	0.0%	1.16	1.17	0.9%
1126026172	6/2/2018	0.44	0.43	2.3%	0.92	0.9	2.2%
1126026202	6/2/2018	0.21	0.21	0.0%	0.83	0.84	1.2%
1126026229	6/2/2018	0.33	0.34	3.0%	0.98	0.97	1.0%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1125003021	6/3/2018	0.43	0.43	0.0%	0.54	0.53	1.9%
1126026131	6/3/2018	0.23	0.24	4.3%	1.49	1.51	1.3%
1126026252	6/3/2018	0.19	0.19	0.0%	1.2	1.19	0.8%
1126026282	6/3/2018	0.68	0.68	0.0%	1.07	1.1	2.8%
1127040071	6/3/2018	0.86	0.86	0.0%	1.36	1.35	0.7%
1127040099	6/3/2018	0.08	0.09	11.8%	4.13	4.28	3.6%
1127040111	6/3/2018	0.16	0.16	0.0%	1.36	1.37	0.7%
1125003043	6/4/2018	0.37	0.37	0.0%	0.28	0.29	3.5%
1126026223	6/4/2018	0.09	0.09	0.0%	1.55	1.51	2.6%
1127040048	6/4/2018	0.34	0.35	2.9%	2.71	2.79	2.9%
1127040050	6/4/2018	0.31	0.3	3.3%	2.06	1.99	3.5%
1125004116	6/5/2018	0.54	0.53	1.9%	0.2	0.2	0.0%
1125005050	6/5/2018	0.59	0.58	1.7%	0.43	0.42	2.4%
1127040009	6/5/2018	0.77	0.75	2.6%	1.85	1.75	5.6%
1127040021	6/5/2018	0.3	0.32	6.5%	2.57	2.79	8.2%
1127040095	6/5/2018	0.42	0.42	0.0%	2.04	2.02	1.0%
1125004040	6/6/2018	0.68	0.67	1.5%	0.25	0.25	0.0%
1125004043	6/6/2018	0.6	0.62	3.3%	0.45	0.48	6.5%
1127040032	6/6/2018	0.64	0.62	3.2%	1.55	1.56	0.6%
1127040036	6/6/2018	0.38	0.38	0.0%	2.1	2.08	1.0%
1127040419	6/6/2018	0.32	0.34	6.1%	2.29	2.4	4.7%
1127040425	6/6/2018	1.08	1.11	2.7%	1.87	1.89	1.1%
1125004011	6/7/2018	0.65	0.63	3.1%	0.41	0.4	2.5%
1127040001	6/7/2018	0.05	0.05	0.0%	2.34	2.31	1.3%
1127040003	6/7/2018	0.11	0.11	0.0%	1.41	1.42	0.7%
1127040402	6/7/2018	0.04	0.04	0.0%	2.53	2.63	3.9%
1127040412	6/7/2018	0.13	0.13	0.0%	2.38	2.43	2.1%
1127040469	6/7/2018	0.34	0.32	6.1%	2.19	2.08	5.2%
1125003142	6/9/2018	0.64	0.65	1.6%	0.59	0.59	0.0%
1125003166	6/9/2018	0.46	0.47	2.2%	0.9	0.91	1.1%
1125004048	6/9/2018	0.93	0.92	1.1%	3.37	3.27	3.0%
1125004065	6/9/2018	1.73	1.74	0.6%	2.27	2.29	0.9%
1126028029	6/9/2018	0.38	0.42	10.0%	2.05	2.24	8.9%
1126028052	6/9/2018	0.33	0.33	0.0%	2.39	2.35	1.7%
1126028113	6/9/2018	1.37	1.35	1.5%	1.62	1.61	0.6%
1126028120	6/9/2018	0.81	0.81	0.0%	2.12	2.12	0.0%
1126028405	6/9/2018	0.66	0.67	1.5%	1.99	1.99	0.0%
1126028419	6/9/2018	0.65	0.65	0.0%	2.8	2.77	1.1%
1125003125	6/10/2018	0.37	0.38	2.7%	0.83	0.84	1.2%
1125003130	6/10/2018	0.42	0.4	4.9%	0.25	0.25	0.0%
1125003218	6/10/2018	0.57	0.57	0.0%	0.36	0.36	0.0%
1125003232	6/10/2018	0.61	0.63	3.2%	0.21	0.22	4.7%
1126028102	6/10/2018	1.02	1.03	1.0%	1.62	1.63	0.6%
1126028455	6/10/2018	0.52	0.52	0.0%	2.62	2.62	0.0%
1125003014	6/11/2018	0.54	0.53	1.9%	0.19	0.19	0.0%
1125003033	6/11/2018	0.43	0.43	0.0%	0.26	0.25	3.9%
1126026149	6/11/2018	0.92	0.94	2.2%	1.93	1.96	1.5%
1126027113	6/11/2018	1.28	1.31	2.3%	1.75	1.64	6.5%
1126027134	6/11/2018	0.6	0.58	3.4%	0.82	0.83	1.2%
1126027139	6/11/2018	0.81	0.82	1.2%	0.51	0.54	5.7%
1126027174	6/11/2018	2.42	0.76	104.4%	2.42	2.33	3.8%
4136401040	6/11/2018	0.2	0.19	5.1%	0.73	0.71	2.8%
1125003046	6/12/2018	0.53	0.52	1.9%	0.35	0.35	0.0%
1125003061	6/12/2018	0.39	0.39	0.0%	0.25	0.25	0.0%
1125003086	6/12/2018	0.74	0.74	0.0%	0.29	0.3	3.4%
1125003100	6/12/2018	0.77	0.75	2.6%	0.34	0.34	0.0%
1126026219	6/12/2018	0.91	0.9	1.1%	1.44	1.48	2.7%
1126026258	6/12/2018	0.79	0.75	5.2%	1.31	1.22	7.1%
1126027042	6/12/2018	1.23	1.26	2.4%	1.61	1.63	1.2%
1125007018	6/14/2018	0.55	0.56	1.8%	0.12	0.12	0.0%
1125007040	6/14/2018	0.75	0.73	2.7%	0.29	0.29	0.0%
1125007048	6/14/2018	0.41	0.44	7.1%	1.3	1.35	3.8%
1125007064	6/14/2018	0.05	0.06	18.2%	0.96	0.93	3.2%
1125007086	6/14/2018	0.34	0.33	3.0%	0.77	0.75	2.6%
1126026212	6/14/2018	1.66	1.67	0.6%	1.58	1.53	3.2%
1126026262	6/14/2018	0.97	0.94	3.1%	1.48	1.44	2.7%
1126027013	6/14/2018	0.95	0.94	1.1%	2.22	2.18	1.8%
1126027020	6/14/2018	1.45	1.43	1.4%	2.43	2.42	0.4%
1126027198	6/14/2018	1.39	1.4	0.7%	1.62	1.64	1.2%
1126027221	6/14/2018	0.24	0.25	4.1%	0.74	0.73	1.4%
1126027228	6/14/2018	0.71	0.72	1.4%	1.49	1.49	0.0%
1126027243	6/14/2018	1.08	1.11	2.7%	1.61	1.62	0.6%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1125007092	6/15/2018	0.44	0.43	2.3%	2.13	2.08	2.4%
1125022013	6/15/2018	0.7	0.69	1.4%	0.73	0.73	0.0%
1126026155	6/15/2018	0.75	0.75	0.0%	1.13	1.15	1.8%
1126026156	6/15/2018	0.81	0.84	3.6%	1.7	1.95	13.7%
1126030011	6/15/2018	0.24	0.24	0.0%	1.83	1.8	1.7%
1126030031	6/15/2018	0.34	0.35	2.9%	3.15	3.25	3.1%
1126030075	6/15/2018	0.74	0.75	1.3%	1.58	1.57	0.6%
1125021015	6/16/2018	0.57	0.57	0.0%	0.19	0.16	17.1%
1125021019	6/16/2018	0.36	0.37	2.7%	1.58	1.62	2.5%
1125021034	6/16/2018	0.61	0.6	1.7%	0.36	0.34	5.7%
1125022124	6/16/2018	0.49	0.49	0.0%	0.52	0.5	3.9%
1125022129	6/16/2018	0.66	0.67	1.5%	0.23	0.24	4.3%
1126030058	6/16/2018	0.67	0.66	1.5%	1.33	1.33	0.0%
1126030068	6/16/2018	0.25	0.25	0.0%	1.83	1.86	1.6%
1126030085	6/16/2018	0.28	0.27	3.6%	1.6	1.61	0.6%
1126030133	6/16/2018	0.17	0.17	0.0%	2.32	2.28	1.7%
1125008121	6/17/2018	0.38	0.38	0.0%	0.43	0.41	4.8%
1125021037	6/17/2018	0.56	0.55	1.8%	0.28	0.29	3.5%
1125021116	6/17/2018	0.69	0.68	1.5%	1.03	1.03	0.0%
1125021122	6/17/2018	0.57	0.58	1.7%	0.21	0.22	4.7%
1125021130	6/17/2018	0.65	0.65	0.0%	0.13	0.14	7.4%
1125021164	6/17/2018	0.72	0.71	1.4%	0.41	0.4	2.5%
1126030096	6/17/2018	0.33	0.33	0.0%	1.69	1.66	1.8%
1125008116	6/18/2018	0.36	0.35	2.8%	0.59	0.57	3.4%
1125008150	6/18/2018	0.36	0.36	0.0%	0.8	0.79	1.3%
1125008151	6/18/2018	0.31	0.31	0.0%	0.83	0.8	3.7%
1125021106	6/18/2018	0.62	0.63	1.6%	0.5	0.52	3.9%
1125021109	6/18/2018	0.78	0.76	2.6%	0.22	0.22	0.0%
1126031202	6/18/2018	0.15	0.14	6.9%	2.02	2	1.0%
1126031208	6/18/2018	0.47	0.47	0.0%	2.4	2.41	0.4%
1126031241	6/18/2018	0.2	0.2	0.0%	3.36	3.43	2.1%
1125021179	6/19/2018	0.9	0.94	4.3%	0.2	0.2	0.0%
1126031005	6/19/2018	0.36	0.36	0.0%	3	2.94	2.0%
1126031054	6/19/2018	0.67	0.68	1.5%	2.73	2.78	1.8%
1126031063	6/19/2018	0.21	0.21	0.0%	2.05	2.05	0.0%
1126031182	6/19/2018	0.62	0.61	1.6%	1.92	1.86	3.2%
1126031232	6/19/2018	0.33	0.33	0.0%	1.92	1.9	1.0%
1125008003	6/20/2018	0.82	0.8	2.5%	0.13	0.13	0.0%
1126029076	6/20/2018	0.36	0.36	0.0%	2.51	2.48	1.2%
1126029122	6/20/2018	0.77	0.76	1.3%	2.15	2.08	3.3%
1126029602	6/20/2018	0.6	0.59	1.7%	2.19	2.12	3.2%
1126031029	6/20/2018	0.28	0.27	3.6%	1.99	2.01	1.0%
1126031122	6/20/2018	0.67	0.65	3.0%	1.32	1.31	0.8%
1126031140	6/20/2018	0.21	0.19	10.0%	3.14	3.09	1.6%
1126031145	6/20/2018	0.12	0.13	8.0%	2	2	0.0%
1126031165	6/20/2018	0.36	0.36	0.0%	3.11	3.01	3.3%
1125008109	6/21/2018	0.64	0.66	3.1%	0.23	0.21	9.1%
1126029040	6/21/2018	0.98	0.99	1.0%	2.47	2.41	2.5%
1126029079	6/21/2018	0.61	0.61	0.0%	2.27	2.32	2.2%
1126029113	6/21/2018	0.3	0.31	3.3%	2.36	2.37	0.4%
1126029508	6/21/2018	1.1	1.03	6.6%	2.54	2.44	4.0%
1126029521	6/21/2018	0.9	0.9	0.0%	2.14	2.31	7.6%
1126029524	6/21/2018	0.81	0.78	3.8%	2.5	2.54	1.6%
1126031045	6/21/2018	0.62	0.61	1.6%	2.8	2.73	2.5%
1126031105	6/21/2018	0.24	0.24	0.0%	2.23	2.18	2.3%
1125008143	6/22/2018	0.38	0.36	5.4%	0.41	0.41	0.0%
1125008178	6/22/2018	0.42	0.41	2.4%	0.22	0.19	14.6%
1126029010	6/22/2018	0.91	0.88	3.4%	2.28	2.23	2.2%
1126029015	6/22/2018	0.82	0.82	0.0%	1.79	1.77	1.1%
1126029022	6/22/2018	0.65	0.66	1.5%	2.49	2.52	1.2%
1126029049	6/22/2018	0.79	0.79	0.0%	1.81	1.85	2.2%
1126029086	6/22/2018	1.42	1.36	4.3%	2.08	2.16	3.8%
1126031152	6/22/2018	0.14	0.14	0.0%	4.6	4.52	1.8%
1125008185	6/23/2018	0.32	0.31	3.2%	0.94	0.94	0.0%
1126032096	6/24/2018	0.48	0.47	2.1%	1.79	1.8	0.6%
1126032406	6/24/2018	0.21	0.22	4.7%	1.93	1.96	1.5%
1126032419	6/24/2018	0.64	0.63	1.6%	2.3	2.26	1.8%
1126032434	6/24/2018	0.91	0.92	1.1%	3.01	2.99	0.7%
1126032451	6/24/2018	0.21	0.25	17.4%	1.94	1.92	1.0%
1232001003	6/24/2018	0.56	0.57	1.8%	0.52	0.5	3.9%
1232001014	6/24/2018	0.37	0.4	7.8%	0.8	0.88	9.5%
1232001022	6/24/2018	0.71	0.72	1.4%	0.46	0.47	2.2%
1232001060	6/24/2018	0.32	0.31	3.2%	1.13	1.13	0.0%
1232001079	6/24/2018	0.51	0.51	0.0%	1.37	1.4	2.2%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1232001124	6/24/2018	0.32	0.34	6.1%	0.9	0.91	1.1%
1232001157	6/24/2018	0.53	0.53	0.0%	0.63	0.65	3.1%
1232002016	6/24/2018	0.12	0.12	0.0%	2.44	2.37	2.9%
1232002028	6/24/2018	0.12	0.12	0.0%	2.39	2.33	2.5%
1232001071	6/25/2018	0.56	0.56	0.0%	0.44	0.43	2.3%
1125019031	6/26/2018	0.45	0.44	2.2%	0.62	0.63	1.6%
1125019059	6/26/2018	0.51	0.51	0.0%	0.82	0.8	2.5%
1125019081	6/26/2018	0.33	0.34	3.0%	1.25	1.26	0.8%
1125019415	6/26/2018	0.72	0.74	2.7%	0.78	0.79	1.3%
1125019431	6/26/2018	0.32	0.32	0.0%	0.29	0.3	3.4%
1126032008	6/26/2018	0.23	0.24	4.3%	1.94	1.92	1.0%
1126032028	6/26/2018	0.51	0.51	0.0%	1.95	1.94	0.5%
1126032047	6/26/2018	0.62	0.65	4.7%	1.66	1.76	5.8%
1126032050	6/26/2018	0.71	0.73	2.8%	2	2.06	3.0%
1126032067	6/26/2018	0.29	0.28	3.5%	1.55	1.64	5.6%
1126032070	6/26/2018	0.21	0.22	4.7%	1.53	1.54	0.7%
1126032429	6/26/2018	0.92	0.9	2.2%	1.68	1.74	3.5%
1126033055	6/26/2018	1	1	0.0%	1.48	1.49	0.7%
1126033510	6/26/2018	0.09	0.09	0.0%	2.67	2.68	0.4%
1126033518	6/26/2018	0.07	0.07	0.0%	2.25	2.15	4.5%
1126033532	6/26/2018	0.22	0.22	0.0%	2.07	2.06	0.5%
1232002021	6/26/2018	0.09	0.09	0.0%	2.63	2.62	0.4%
1125019024	6/27/2018	0.86	0.87	1.2%	0.38	0.38	0.0%
1125019029	6/27/2018	0.56	0.55	1.8%	0.17	0.16	6.1%
1125019072	6/27/2018	0.41	0.42	2.4%	0.22	0.22	0.0%
1125020010	6/27/2018	0.51	0.51	0.0%	1.56	1.54	1.3%
1125020112	6/27/2018	0.65	0.65	0.0%	2.7	2.7	0.0%
1126033009	6/28/2018	0.32	0.32	0.0%	2.5	2.49	0.4%
1126033013	6/28/2018	0.07	0.07	0.0%	1.87	1.84	1.6%
1126033035	6/28/2018	0.61	0.6	1.7%	2.06	2.03	1.5%
1126033060	6/28/2018	0.77	0.78	1.3%	1.68	1.65	1.8%
1125019054	6/29/2018	0.7	0.7	0.0%	0.48	0.48	0.0%
1125019110	6/29/2018	0.55	0.55	0.0%	0.8	0.8	0.0%
1125020108	6/29/2018	0.45	0.45	0.0%	1.46	1.47	0.7%
1126033067	6/29/2018	0.4	0.38	5.1%	1.83	1.87	2.2%
1126033090	6/29/2018	0.69	0.69	0.0%	1.89	1.84	2.7%
1126033107	6/29/2018	0.3	0.29	3.4%	1.78	1.69	5.2%
1125019116	6/30/2018	0.6	0.6	0.0%	0.69	0.7	1.4%
1125019169	6/30/2018	0.32	0.32	0.0%	0.52	0.5	3.9%
1125020118	6/30/2018	0.47	0.5	6.2%	0.8	0.8	0.0%
1125020127	6/30/2018	0.52	0.52	0.0%	0.64	0.63	1.6%
1125020170	6/30/2018	0.78	0.78	0.0%	2.01	2.03	1.0%
1125020176	6/30/2018	0.51	0.51	0.0%	0.79	0.8	1.3%
1125020195	6/30/2018	0.69	0.7	1.4%	1.22	1.21	0.8%
1232002101	6/30/2018	0.15	0.15	0.0%	2.58	2.55	1.2%
1232002478	6/30/2018	0.25	0.22	12.8%	2.1	1.99	5.4%
1232002479	6/30/2018	0.28	0.27	3.6%	2.59	2.43	6.4%
1125009010	7/1/2018	0.41	0.42	2.4%	1.81	1.9	4.9%
1125009040	7/1/2018	0.51	0.53	3.8%	1.26	1.3	3.1%
1125020215	7/1/2018	0.76	0.76	0.0%	1.16	1.17	0.9%
1125023009	7/1/2018	1.72	1.71	0.6%	1.38	1.39	0.7%
1125009004	7/3/2018	0.83	0.81	2.4%	1.95	1.83	6.3%
1125009227	7/3/2018	0.14	0.14	0.0%	1.11	1.05	5.6%
1125009275	7/3/2018	0.42	0.4	4.9%	1.95	1.87	4.2%
1125009292	7/3/2018	0.98	0.96	2.1%	2.54	2.48	2.4%
1125009297	7/3/2018	0.54	0.53	1.9%	3.22	3.17	1.6%
1125009307	7/3/2018	0.31	0.31	0.0%	2.33	2.35	0.9%
1125020025	7/3/2018	7.86	0.8	163.0%	1.37	1.41	2.9%
1125020177	7/3/2018	0.5	0.5	0.0%	0.58	0.57	1.7%
1125020202	7/3/2018	0.54	0.53	1.9%	0.8	0.76	5.1%
1125023023	7/3/2018	0.61	0.66	7.9%	0.18	0.19	5.4%
1125023034	7/3/2018	0.84	0.83	1.2%	2.2	2.17	1.4%
1125023111	7/3/2018	0.94	0.95	1.1%	2.66	2.72	2.2%
1125023154	7/3/2018	1.2	1.22	1.7%	2.68	2.73	1.8%
1125023190	7/3/2018	1.25	1.24	0.8%	3.03	3.03	0.0%
1125023197	7/3/2018	0.56	0.56	0.0%	1.06	1.04	1.9%
1125009320	7/4/2018	0.73	0.74	1.4%	2.63	2.7	2.6%
1125009332	7/4/2018	1.02	1.03	1.0%	1.66	1.63	1.8%
1125009347	7/4/2018	0.4	0.4	0.0%	3.44	3.34	2.9%
1125009370	7/4/2018	1.04	1.05	1.0%	2.39	2.34	2.1%
1125023123	7/4/2018	1.25	1.22	2.4%	0.34	0.33	3.0%
1125010193	7/5/2018	0.57	0.6	5.1%	1.58	1.58	0.0%
1125023212	7/5/2018	0.81	0.82	1.2%	1.46	1.54	5.3%
1125009383	7/8/2018	1.38	1.37	0.7%	2.1	2.06	1.9%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1125009390	7/8/2018	1.15	1.16	0.9%	2.59	2.57	0.8%
1125010009	7/8/2018	1.3	1.25	3.9%	1.59	1.55	2.5%
1125010014	7/8/2018	0.85	0.84	1.2%	2.38	2.34	1.7%
1125010024	7/8/2018	1.08	1.1	1.8%	1.76	1.8	2.2%
1125010105	7/8/2018	0.98	1.01	3.0%	1.84	1.93	4.8%
1125010128	7/8/2018	1.12	1.11	0.9%	1.6	1.58	1.3%
1125010139	7/8/2018	1.01	1	1.0%	2.07	2.06	0.5%
1125010150	7/8/2018	0.77	0.77	0.0%	1.49	1.47	1.4%
1125010170	7/8/2018	1.07	1.07	0.0%	2.03	2.07	2.0%
1125010175	7/8/2018	1.28	1.22	4.8%	1.85	1.75	5.6%
1125010217	7/8/2018	1.06	1.04	1.9%	1.85	1.86	0.5%
1125016003	7/8/2018	0.46	0.46	0.0%	2.56	2.48	3.2%
1125016019	7/8/2018	0.38	0.38	0.0%	1.65	1.63	1.2%
1125016040	7/8/2018	0.38	0.38	0.0%	0.77	0.76	1.3%
1125016051	7/8/2018	0.71	0.7	1.4%	0.65	0.63	3.1%
1125016057	7/8/2018	0.81	0.81	0.0%	2.21	2.24	1.3%
1125016071	7/8/2018	0.34	0.34	0.0%	0.79	0.79	0.0%
1125016084	7/8/2018	0.6	0.59	1.7%	1.19	1.21	1.7%
1125016092	7/8/2018	0.69	0.66	4.4%	1.93	1.88	2.6%
1125016095	7/8/2018	0.44	0.44	0.0%	1.42	1.44	1.4%
1125016111	7/8/2018	0.19	0.19	0.0%	1.34	1.3	3.0%
1125012024	7/9/2018	0.51	0.52	1.9%	1.45	1.48	2.0%
1125016167	7/9/2018	0.19	0.17	11.1%	1.26	1.22	3.2%
1125016188	7/9/2018	0.23	0.24	4.3%	1.77	1.81	2.2%
1125016205	7/9/2018	0.37	0.37	0.0%	1.32	1.32	0.0%
1125016212	7/9/2018	0.12	0.13	8.0%	1.05	1.06	0.9%
1125016218	7/9/2018	0.47	0.48	2.1%	1.48	1.51	2.0%
1125015017	7/10/2018	1.42	1.42	0.0%	1.59	1.58	0.6%
1125015054	7/10/2018	1.31	1.15	13.0%	2.51	2.65	5.4%
1125015074	7/10/2018	0.76	0.79	3.9%	2.19	2.29	4.5%
1125015096	7/10/2018	0.12	0.12	0.0%	2.58	2.59	0.4%
1125015119	7/10/2018	0.1	0.1	0.0%	1.86	1.83	1.6%
1125015125	7/10/2018	1.03	0.98	5.0%	1.66	1.78	7.0%
1125015158	7/10/2018	0.1	0.09	10.5%	2.1	2.37	12.1%
1125015163	7/10/2018	0.06	0.06	0.0%	5.49	5.57	1.4%
1125015186	7/10/2018	0.07	0.07	0.0%	1.46	1.39	4.9%
1125012003	7/11/2018	0.45	0.45	0.0%	0.91	0.87	4.5%
1125012018	7/11/2018	0.67	0.67	0.0%	1.07	1.05	1.9%
1125012049	7/11/2018	0.25	0.29	14.8%	1.42	1.53	7.5%
1125012058	7/11/2018	0.23	0.23	0.0%	1.51	1.49	1.3%
1125012059	7/11/2018	0.26	0.26	0.0%	1.59	1.61	1.3%
1125012064	7/11/2018	0.59	0.64	8.1%	1.36	1.36	0.0%
1125012069	7/11/2018	0.63	0.64	1.6%	1.24	1.11	11.1%
1125012121	7/11/2018	0.48	0.48	0.0%	0.92	0.93	1.1%
1125012129	7/11/2018	0.51	0.52	1.9%	1.11	1.09	1.8%
1125012142	7/11/2018	0.26	0.27	3.8%	1.08	1.18	8.8%
1125012160	7/11/2018	0.77	0.75	2.6%	1.65	1.69	2.4%
1125012178	7/11/2018	0.29	0.3	3.4%	2.51	2.49	0.8%
1125012190	7/11/2018	1.03	1	3.0%	1.3	1.29	0.8%
1125012205	7/11/2018	0.84	0.85	1.2%	1.8	1.77	1.7%
1125012223	7/11/2018	1.22	1.17	4.2%	1.08	1.12	3.6%
1125015050	7/11/2018	0.24	0.23	4.3%	4.08	3.97	2.7%
1232002481	7/11/2018	0.31	0.32	3.2%	1.79	1.8	0.6%
1125015405	7/12/2018	1.01	0.97	4.0%	1.92	1.84	4.3%
1125015420	7/12/2018	0.53	0.52	1.9%	1.97	1.96	0.5%
1125024080	7/13/2018	0.58	0.59	1.7%	2.02	2	1.0%
1125024083	7/13/2018	0.62	0.6	3.3%	2.32	2.22	4.4%
1125024017	7/14/2018	0.25	0.25	0.0%	1.77	1.8	1.7%
1125024039	7/14/2018	0.72	0.73	1.4%	2.43	2.43	0.0%
1125024055	7/14/2018	0.15	0.16	6.5%	1.9	1.99	4.6%
1125024076	7/14/2018	0.4	0.38	5.1%	1.59	1.54	3.2%
1125024098	7/14/2018	0.4	0.39	2.5%	1.53	1.52	0.7%
1125024162	7/14/2018	0.5	0.5	0.0%	2.41	2.46	2.1%
1125024173	7/14/2018	0.46	0.47	2.2%	1.52	1.49	2.0%
1125024180	7/14/2018	0.31	0.31	0.0%	3.26	3.21	1.5%
1125024194	7/14/2018	0.45	0.45	0.0%	2.06	2.06	0.0%
1125110566	7/14/2018	0.39	0.39	0.0%	1.98	1.94	2.0%
1125011141	7/15/2018	0.74	0.74	0.0%	1	0.97	3.0%
1125017222	7/15/2018	1.22	1.22	0.0%	1.84	1.83	0.5%
1125024031	7/15/2018	0.73	0.71	2.8%	1.66	1.6	3.7%
1125024034	7/15/2018	0.29	0.29	0.0%	2.19	2.21	0.9%
1125024112	7/15/2018	0.16	0.16	0.0%	2.19	2.17	0.9%
1125024130	7/15/2018	0.46	0.47	2.2%	1.82	1.84	1.1%
1125024167	7/15/2018	0.81	0.8	1.2%	2.11	2.09	1.0%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1125011011	7/16/2018	0.33	0.32	3.1%	2.83	2.82	0.4%
1125011017	7/16/2018	0.79	0.81	2.5%	0.83	0.8	3.7%
1125011028	7/16/2018	0.46	0.47	2.2%	1.32	1.32	0.0%
1125011045	7/16/2018	0.89	0.89	0.0%	1.02	1.03	1.0%
1125011079	7/16/2018	0.54	0.54	0.0%	0.63	0.65	3.1%
1125017171	7/16/2018	0.41	0.39	5.0%	2.16	2.06	4.7%
1125017200	7/16/2018	0.79	0.81	2.5%	1.89	1.95	3.1%
1125017211	7/16/2018	0.65	0.65	0.0%	2.64	2.6	1.5%
1125017220	7/16/2018	1.37	1.39	1.4%	1.79	1.82	1.7%
1125017249	7/16/2018	1.23	1.22	0.8%	2.12	2.1	0.9%
1125011083	7/17/2018	0.79	0.78	1.3%	0.81	0.76	6.4%
1125011145	7/17/2018	0.4	0.4	0.0%	1.52	1.52	0.0%
1125017020	7/17/2018	0.85	0.84	1.2%	2.48	2.49	0.4%
1125017143	7/17/2018	0.98	1	2.0%	2.27	2.28	0.4%
1125017160	7/17/2018	0.36	0.37	2.7%	2.03	1.96	3.5%
1125017188	7/17/2018	0.7	0.7	0.0%	2.62	2.48	5.5%
1125011070	7/18/2018	0.26	0.28	7.4%	2.75	2.82	2.5%
1125011095	7/18/2018	1.1	1.08	1.8%	2.07	2.12	2.4%
1125011122	7/18/2018	0.61	0.61	0.0%	2.39	2.45	2.5%
1125011130	7/18/2018	0.59	0.59	0.0%	3.19	3.25	1.9%
1125011170	7/18/2018	0.98	0.99	1.0%	1.48	1.52	2.7%
1125017108	7/18/2018	0.31	0.31	0.0%	1.94	1.93	0.5%
1125017125	7/18/2018	0.96	1	4.1%	2.23	2.35	5.2%
1125018202	7/18/2018	1.43	1.44	0.7%	1.58	1.61	1.9%
1125018208	7/18/2018	1.08	1.08	0.0%	1.94	1.99	2.5%
1125018250	7/18/2018	0.95	0.96	1.0%	2.02	2.07	2.4%
1125018271	7/18/2018	1.17	1.19	1.7%	1.79	1.8	0.6%
1125018227	7/19/2018	1.14	1.17	2.6%	1.96	2.03	3.5%
1125018286	7/19/2018	0.89	0.88	1.1%	2.09	2.05	1.9%
1125018296	7/19/2018	0.99	0.9	9.5%	2.27	2.01	12.1%
1125018313	7/19/2018	1.32	1.34	1.5%	1.97	2.01	2.0%
1125018339	7/19/2018	1.39	1.35	2.9%	1.99	2	0.5%
1125025016	7/20/2018	0.02	0.02	0.0%	1.24	1.25	0.8%
1125025041	7/20/2018	0.55	0.55	0.0%	1.93	1.95	1.0%
1125025067	7/20/2018	0.14	0.17	19.4%	2.27	2.25	0.9%
1125025079	7/20/2018	0.48	0.48	0.0%	2.49	2.79	11.4%
1125026108	7/20/2018	0.26	0.26	0.0%	2.37	2.4	1.3%
1125027025	7/20/2018	0.28	0.28	0.0%	1.41	1.43	1.4%
1125027047	7/20/2018	0.34	0.38	11.1%	1.76	1.73	1.7%
1125025008	7/22/2018	0.83	0.82	1.2%	1.96	1.94	1.0%
1125025015	7/22/2018	0.49	0.5	2.0%	1.7	1.74	2.3%
1125025073	7/22/2018	0.64	0.63	1.6%	2.57	2.52	2.0%
1125025087	7/22/2018	0.11	0.11	0.0%	0.2	0.2	0.0%
1125025128	7/22/2018	0.91	0.91	0.0%	2.21	2.19	0.9%
1125025140	7/22/2018	0.65	0.64	1.6%	1.86	1.84	1.1%
1125025147	7/22/2018	0.84	0.9	6.9%	1.84	1.82	1.1%
1125025155	7/22/2018	0.76	0.77	1.3%	1.76	1.72	2.3%
1125025162	7/22/2018	0.85	0.88	3.5%	1.75	1.84	5.0%
1125027002	7/22/2018	0.95	0.98	3.1%	1.4	1.54	9.5%
1125027003	7/22/2018	0.86	0.88	2.3%	1.93	1.95	1.0%
1125027078	7/22/2018	0.42	0.42	0.0%	1.92	1.84	4.3%
1125027143	7/22/2018	0.26	0.25	3.9%	1.87	1.82	2.7%
1125027178	7/22/2018	0.16	0.16	0.0%	1.91	1.96	2.6%
1125027198	7/22/2018	0.33	0.3	9.5%	2.32	2.27	2.2%
1125025167	7/23/2018	1	1.02	2.0%	1.73	1.69	2.3%
1125025180	7/23/2018	0.79	0.78	1.3%	1.79	1.76	1.7%
1125025199	7/23/2018	0.65	0.67	3.0%	1.73	1.75	1.1%
1125026002	7/23/2018	0.83	0.83	0.0%	1.05	1.08	2.8%
1125026039	7/23/2018	0.22	0.21	4.7%	1.64	1.66	1.2%
1125026054	7/23/2018	0.24	0.23	4.3%	1.75	1.68	4.1%
1125027119	7/23/2018	0.27	0.28	3.6%	1.92	1.87	2.6%
1232002143	7/23/2018	0.14	0.15	6.9%	1.78	1.74	2.3%
1232002472	7/23/2018	0.21	0.21	0.0%	2.29	2.3	0.4%
1125025416	7/24/2018	0.71	0.69	2.9%	1.95	1.9	2.6%
1125026059	7/24/2018	0.36	0.36	0.0%	2	2	0.0%
1125026070	7/24/2018	0.25	0.25	0.0%	2.83	2.75	2.9%
1125026083	7/24/2018	0.23	0.24	4.3%	2.56	2.68	4.6%
1125027415	7/24/2018	0.3	0.3	0.0%	1.87	1.85	1.1%
1125027427	7/24/2018	0.38	0.38	0.0%	1.83	1.8	1.7%
1125026090	7/25/2018	0.24	0.23	4.3%	2.32	2.42	4.2%
1125026099	7/25/2018	0.27	0.26	3.8%	2.2	2.19	0.5%
1125026109	7/25/2018	0.26	0.25	3.9%	2.26	2.18	3.6%
1125026127	7/25/2018	0.31	0.32	3.2%	2.2	2.2	0.0%
1125026120	7/26/2018	0.31	0.32	3.2%	1.91	1.99	4.1%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1125026135	7/26/2018	0.39	0.38	2.6%	1.73	1.72	0.6%
1125027100	7/26/2018	0.41	0.41	0.0%	1.94	1.91	1.6%
1125027207	7/26/2018	0.34	0.34	0.0%	1.83	1.88	2.7%
1125027403	7/26/2018	0.58	0.55	5.3%	2.34	2.21	5.7%
1232002202	7/26/2018	0.27	0.29	7.1%	2.05	2.19	6.6%
1124001275	7/27/2018	0.73	0.7	4.2%	1.2	1.14	5.1%
1125027205	7/27/2018	0.34	0.35	2.9%	1.63	1.66	1.8%
1125027224	7/27/2018	0.6	0.61	1.7%	1.73	1.67	3.5%
1125027233	7/27/2018	0.63	0.64	1.6%	1.67	1.69	1.2%
1125028037	7/27/2018	0.12	0.12	0.0%	2.02	2.13	5.3%
1125028508	7/27/2018	0.12	0.12	0.0%	1.88	1.88	0.0%
1124001235	7/28/2018	0.79	0.79	0.0%	2.02	2.01	0.5%
1124001254	7/28/2018	0.45	0.44	2.2%	1.58	1.57	0.6%
1125028027	7/28/2018	0.13	0.14	7.4%	2	2.11	5.4%
1232002529	7/28/2018	0.1	0.1	0.0%	2.57	2.66	3.4%
1124001191	7/29/2018	0.97	0.99	2.0%	2.15	2.18	1.4%
1124001202	7/29/2018	0.74	0.74	0.0%	2.09	2.09	0.0%
1124001220	7/29/2018	0.52	0.53	1.9%	2.07	2.13	2.9%
1125027225	7/29/2018	0.65	0.65	0.0%	1.79	1.8	0.6%
1125028039	7/29/2018	0.41	0.4	2.5%	1.53	1.55	1.3%
1125028059	7/29/2018	0.15	0.14	6.9%	1.98	1.98	0.0%
1125028062	7/29/2018	0.32	0.31	3.2%	3.02	2.9	4.1%
1125028148	7/29/2018	0.29	0.28	3.5%	2.13	2.13	0.0%
1125028165	7/29/2018	0.44	0.43	2.3%	1.98	1.93	2.6%
1125028171	7/29/2018	0.09	0.09	0.0%	1.6	1.61	0.6%
1125028530	7/29/2018	0.59	0.59	0.0%	2.46	2.41	2.1%
1125014179	7/30/2018	0.3	0.28	6.9%	1.82	1.73	5.1%
1125028073	7/30/2018	0.67	0.69	2.9%	2.08	2.19	5.2%
1125028112	7/30/2018	0.15	0.16	6.5%	1.28	1.3	1.6%
1125028117	7/30/2018	0.13	0.13	0.0%	1.5	1.53	2.0%
1125028130	7/30/2018	0.19	0.17	11.1%	2.62	2.59	1.2%
1124001159	7/31/2018	1	1.01	1.0%	1.81	1.83	1.1%
1124001175	7/31/2018	0.94	0.96	2.1%	1.68	1.7	1.2%
1124001176	7/31/2018	0.85	0.84	1.2%	1.95	1.95	0.0%
1125014018	7/31/2018	0.58	0.58	0.0%	0.09	0.09	0.0%
1125029008	7/31/2018	1.04	1.13	8.3%	1.95	2.12	8.4%
1125029023	7/31/2018	0.54	0.54	0.0%	1.95	1.96	0.5%
1125029162	7/31/2018	0.43	0.44	2.3%	1.79	1.86	3.8%
1124002058	8/1/2018	0.59	0.6	1.7%	0.83	0.82	1.2%
1125014105	8/1/2018	0.67	0.66	1.5%	0.55	0.54	1.8%
1125014171	8/1/2018	0.56	0.61	8.5%	0.95	1.03	8.1%
1125029105	8/1/2018	1.35	1.35	0.0%	1.96	1.94	1.0%
1125029169	8/1/2018	1.14	1.19	4.3%	1.33	1.39	4.4%
1232002613	8/1/2018	0.15	0.13	14.3%	2.93	2.75	6.3%
1.232E+10	8/1/2018	0.04	0.04	0.0%	2.76	2.6	6.0%
1124002047	8/2/2018	0.54	0.54	0.0%	1.25	1.24	0.8%
1124002073	8/2/2018	0.72	0.69	4.3%	0.87	0.83	4.7%
1125014132	8/2/2018	1.03	1.01	2.0%	0.43	0.43	0.0%
1125029107	8/2/2018	1.66	1.67	0.6%	4.26	4.29	0.7%
1125029125	8/2/2018	0.95	0.98	3.1%	1.52	1.52	0.0%
1125029148	8/2/2018	0.42	0.42	0.0%	2.06	2.08	1.0%
1124002017	8/3/2018	0.43	0.42	2.4%	0.98	0.96	2.1%
1125014148	8/3/2018	0.44	0.41	7.1%	1.12	1.05	6.5%
1124002035	8/4/2018	0.47	0.45	4.3%	0.7	0.64	9.0%
1125014129	8/4/2018	0.9	0.9	0.0%	0.46	0.45	2.2%
1125014163	8/4/2018	0.42	0.41	2.4%	0.86	0.83	3.6%
1125014198	8/4/2018	0.86	0.86	0.0%	0.56	0.5	11.3%
1124001005	8/5/2018	1.05	1.05	0.0%	2.67	2.65	0.8%
1124001020	8/5/2018	1.06	1.07	0.9%	2.65	2.63	0.8%
1124001130	8/5/2018	1.13	1.16	2.6%	2.13	2.08	2.4%
1124001141	8/5/2018	1.07	1.06	0.9%	1.98	1.96	1.0%
1124001110	8/6/2018	0.98	0.97	1.0%	2.7	2.6	3.8%
1124001112	8/6/2018	0.9	0.9	0.0%	2.11	2.1	0.5%
1124003007	8/7/2018	0.75	0.72	4.1%	3.67	3.5	4.7%
1124003065	8/7/2018	0.76	0.73	4.0%	2.61	2.56	1.9%
1124003071	8/7/2018	1.14	1.17	2.6%	2.45	2.55	4.0%
1124003101	8/7/2018	1.07	1.07	0.0%	2.21	2.18	1.4%
1124003116	8/7/2018	1.2	1.2	0.0%	2.03	2.01	1.0%
1124003151	8/7/2018	1.01	1.02	1.0%	2.34	2.36	0.9%
1124004006	8/7/2018	0.68	0.65	4.5%	1.73	1.68	2.9%
1124004025	8/7/2018	0.72	0.72	0.0%	2.2	2.14	2.8%
1124004034	8/7/2018	0.99	0.99	0.0%	2.23	2.27	1.8%
1124004037	8/7/2018	0.96	0.98	2.1%	2.16	2.21	2.3%
1124004061	8/7/2018	0.34	0.34	0.0%	2.02	2.03	0.5%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1124004084	8/7/2018	0.76	0.76	0.0%	2.04	2.03	0.5%
1124004108	8/7/2018	0.77	0.78	1.3%	1.6	1.48	7.8%
1124004120	8/7/2018	0.05	0.05	0.0%	2.1	2.07	1.4%
1124004131	8/7/2018	0.47	0.48	2.1%	2.14	2.22	3.7%
1124004163	8/7/2018	0.74	0.74	0.0%	2.13	2.13	0.0%
2138017070	8/7/2018	0.17	0.18	5.7%	0.21	0.21	0.0%
2138017086	8/7/2018	0.38	0.35	8.2%	0.02	0.02	0.0%
2138017120	8/7/2018	0.26	0.26	0.0%	0.23	0.23	0.0%
1124003021	8/8/2018	1.21	1.2	0.8%	1.77	1.76	0.6%
1124003064	8/8/2018	0.54	0.55	1.8%	2.03	1.95	4.0%
1124003095	8/8/2018	0.39	0.36	8.0%	1.75	1.6	9.0%
1124003161	8/8/2018	0.84	0.83	1.2%	1.46	1.54	5.3%
1124007074	8/8/2018	0.78	0.78	0.0%	0.91	0.89	2.2%
1124003025	8/9/2018	1.13	1.13	0.0%	1.87	1.84	1.6%
1124003109	8/9/2018	1.16	1.12	3.5%	2.19	2.14	2.3%
1124007079	8/9/2018	0.35	0.35	0.0%	0.41	0.4	2.5%
1124003046	8/10/2018	0.87	0.88	1.1%	1.9	1.98	4.1%
1124003308	8/10/2018	0.72	0.73	1.4%	2.29	2.38	3.9%
1124006005	8/10/2018	0.43	0.47	8.9%	0.5	0.5	0.0%
1124007058	8/10/2018	0.44	0.4	9.5%	0.37	0.35	5.6%
1124007085	8/10/2018	0.45	0.44	2.2%	0.5	0.51	2.0%
2138017040	8/10/2018	0.25	0.25	0.0%	0.49	0.49	0.0%
2138017052	8/10/2018	0.51	0.52	1.9%	0.2	0.2	0.0%
2138017056	8/10/2018	0.3	0.3	0.0%	0.07	0.08	13.3%
2138017105	8/10/2018	0.3	0.3	0.0%	0.13	0.14	7.4%
1124003319	8/11/2018	0.7	0.72	2.8%	1.49	1.61	7.7%
1124007083	8/11/2018	0.47	0.5	6.2%	0.25	0.26	3.9%
2138017208	8/11/2018	0.25	0.26	3.9%	0.21	0.22	4.7%
1124005005	8/12/2018	1.02	1.03	1.0%	1.8	1.86	3.3%
1124005020	8/12/2018	0.82	0.82	0.0%	1.68	1.7	1.2%
1124007021	8/12/2018	0.59	0.58	1.7%	0.69	0.7	1.4%
1124007048	8/12/2018	0.42	0.43	2.4%	0.87	0.88	1.1%
1124007052	8/12/2018	0.44	0.45	2.2%	0.67	0.69	2.9%
1124005047	8/13/2018	0.88	0.88	0.0%	2.05	2.05	0.0%
1124005069	8/13/2018	0.79	0.8	1.3%	2.32	2.32	0.0%
1124005216	8/13/2018	0.98	1.03	5.0%	1.87	1.93	3.2%
1124006028	8/13/2018	0.38	0.38	0.0%	0.62	0.62	0.0%
1124007026	8/13/2018	0.49	0.48	2.1%	0.32	0.32	0.0%
1124005212	8/14/2018	1.15	1.15	0.0%	1.82	1.84	1.1%
1124005907	8/14/2018	0.96	0.97	1.0%	2.24	2.27	1.3%
1124006040	8/14/2018	0.42	0.43	2.4%	0.47	0.49	4.2%
1124006044	8/14/2018	0.53	0.55	3.7%	0.44	0.45	2.2%
2137009040	8/14/2018	0.22	0.22	0.0%	0.72	0.76	5.4%
1124005103	8/15/2018	0.75	0.76	1.3%	2.17	2.18	0.5%
1124005109	8/15/2018	0.47	0.47	0.0%	1.99	2.02	1.5%
1124005174	8/15/2018	1	1	0.0%	2.09	2.12	1.4%
1124005192	8/15/2018	0.5	0.5	0.0%	1.93	1.98	2.6%
1124007004	8/15/2018	0.61	0.62	1.6%	0.24	0.27	11.8%
1124005127	8/16/2018	0.91	0.92	1.1%	1.91	1.94	1.6%
1124005148	8/16/2018	0.89	0.87	2.3%	2.6	2.53	2.7%
1124005164	8/17/2018	0.77	0.79	2.6%	1.77	1.81	2.2%
1124016021	8/17/2018	1.37	1.43	4.3%	2.16	2.24	3.6%
1124016037	8/17/2018	0.63	0.62	1.6%	1.76	1.7	3.5%
2137009014	8/17/2018	0.49	0.51	4.0%	0.23	0.25	8.3%
2137009032	8/17/2018	0.26	0.25	3.9%	0.05	0.05	0.0%
2137009092	8/17/2018	0.26	0.26	0.0%	0.06	0.06	0.0%
2137009104	8/17/2018	0.62	0.63	1.6%	0.13	0.13	0.0%
1124016044	8/18/2018	0.49	0.5	2.0%	2.3	2.32	0.9%
1124016076	8/18/2018	1.54	1.48	4.0%	1.49	1.42	4.8%
1124010002	8/19/2018	0.6	0.59	1.7%	0.27	0.26	3.8%
1124016098	8/19/2018	0.57	0.58	1.7%	4.73	4.82	1.9%
1124016100	8/19/2018	1.21	1.2	0.8%	2.1	2.06	1.9%
1124016104	8/19/2018	0.68	0.69	1.5%	2.11	2.1	0.5%
1124016121	8/19/2018	0.52	0.52	0.0%	1.01	1.01	0.0%
2137009048	8/19/2018	0.22	0.22	0.0%	0.27	0.28	3.6%
1124010003	8/20/2018	0.79	0.77	2.6%	0.52	0.5	3.9%
1124010015	8/20/2018	0.33	0.34	3.0%	0.93	0.93	0.0%
1124010043	8/20/2018	0.71	0.7	1.4%	0.21	0.21	0.0%
1124010071	8/20/2018	0.43	0.42	2.4%	0.19	0.18	5.4%
1232002502	8/20/2018	0.17	0.17	0.0%	2.3	2.4	4.3%
1232002867	8/20/2018	0.15	0.15	0.0%	2.58	2.51	2.8%
1232002901	8/20/2018	0.19	0.19	0.0%	1.05	1.06	0.9%
2138018124	8/20/2018	0.25	0.25	0.0%	0.13	0.14	7.4%
1.232E+10	8/20/2018	0.22	0.22	0.0%	2.81	2.82	0.4%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1124010039	8/21/2018	0.63	0.64	1.6%	0.96	0.99	3.1%
1124010089	8/21/2018	0.56	0.56	0.0%	0.25	0.26	3.9%
1124010077	8/22/2018	0.45	0.47	4.3%	1.12	1.14	1.8%
1124014036	8/22/2018	0.74	0.76	2.7%	0.89	0.82	8.2%
1124014075	8/22/2018	0.48	0.46	4.3%	0.61	0.6	1.7%
2138018030	8/22/2018	0.22	0.18	20.0%	0.04	0.04	0.0%
2138018074	8/22/2018	0.29	0.3	3.4%	0.01	0.01	0.0%
1124014026	8/23/2018	0.5	0.53	5.8%	0.85	0.85	0.0%
1124014054	8/23/2018	0.57	0.61	6.8%	0.46	0.47	2.2%
1124014062	8/23/2018	0.93	0.94	1.1%	1.92	2	4.1%
1124014098	8/23/2018	0.67	0.7	4.4%	0.71	0.72	1.4%
2138018080	8/23/2018	0.1	0.09	10.5%	0.11	0.11	0.0%
1124014006	8/24/2018	0.95	0.92	3.2%	0.41	0.37	10.3%
1124014030	8/24/2018	0.83	0.83	0.0%	0.36	0.35	2.8%
1124014043	8/24/2018	1.05	1.07	1.9%	0.69	0.71	2.9%
1124014080	8/24/2018	0.75	0.75	0.0%	0.38	0.39	2.6%
1124014108	8/24/2018	0.86	0.87	1.2%	1.15	1.14	0.9%
1124017089	8/24/2018	0.19	0.19	0.0%	3.09	3.17	2.6%
1124017023	8/26/2018	0.17	0.16	6.1%	0.85	0.86	1.2%
1124017049	8/26/2018	0.75	0.74	1.3%	0.79	0.86	8.5%
1124017113	8/26/2018	0.28	0.28	0.0%	1.86	1.88	1.1%
1124017116	8/26/2018	0.13	0.13	0.0%	1.44	1.42	1.4%
1124020006	8/26/2018	1.02	1.02	0.0%	1.62	1.62	0.0%
1124020046	8/26/2018	0.1	0.12	18.2%	1.82	1.82	0.0%
1232002726	8/26/2018	0.09	0.1	10.5%	1.98	1.66	17.6%
1232002770	8/26/2018	0.04	0.04	0.0%	2.05	1.92	6.5%
1232002789	8/26/2018	0.15	0.14	6.9%	2.41	2.4	0.4%
2137010056	8/26/2018	0.34	0.35	2.9%	0.11	0.11	0.0%
2137010098	8/26/2018	0.52	0.51	1.9%	0.01	0.005	66.7%
2137010122	8/26/2018	0.52	0.5	3.9%	0.04	0.04	0.0%
2138019214	8/26/2018	0.24	0.26	8.0%	0.14	0.14	0.0%
1124017005	8/27/2018	0.49	0.51	4.0%	1.33	1.28	3.8%
1124017025	8/27/2018	0.44	0.44	0.0%	1.38	1.45	4.9%
1124017028	8/27/2018	0.09	0.11	20.0%	2.02	2.25	10.8%
1124017075	8/27/2018	0.2	0.19	5.1%	2.63	2.52	4.3%
1124020033	8/28/2018	0.62	0.6	3.3%	2.18	2.01	8.1%
1124020048	8/28/2018	0.46	0.46	0.0%	1.74	1.73	0.6%
1124020085	8/28/2018	0.66	0.64	3.1%	1.56	1.51	3.3%
1124020097	8/28/2018	0.17	0.16	6.1%	2.01	1.96	2.5%
1124015017	8/29/2018	0.66	0.66	0.0%	0.09	0.08	11.8%
1124015148	8/29/2018	0.56	0.55	1.8%	0.48	0.47	2.1%
1124015181	8/29/2018	0.51	0.52	1.9%	0.78	0.75	3.9%
1124018043	8/29/2018	0.3	0.31	3.3%	1.61	1.54	4.4%
1124018082	8/29/2018	0.59	0.59	0.0%	2.17	2.09	3.8%
2137010036	8/29/2018	0.22	0.22	0.0%	0.37	0.38	2.7%
2137012144	8/29/2018	0.43	0.43	0.0%	0.18	0.18	0.0%
1124015106	8/30/2018	0.49	0.46	6.3%	0.31	0.3	3.3%
1124015115	8/30/2018	0.62	0.63	1.6%	1.21	1.23	1.6%
1124015139	8/30/2018	0.58	0.6	3.4%	0.29	0.29	0.0%
1124015205	8/30/2018	0.59	0.58	1.7%	0.68	0.66	3.0%
1124018021	8/30/2018	0.22	0.22	0.0%	1.08	1.11	2.7%
1124015154	8/31/2018	0.5	0.5	0.0%	0.49	0.49	0.0%
1124018098	8/31/2018	0.23	0.24	4.3%	1.46	1.43	2.1%
1124018127	8/31/2018	0.19	0.19	0.0%	1.15	1.12	2.6%
1124018135	8/31/2018	0.29	0.29	0.0%	4.3	4.18	2.8%
1124015165	9/1/2018	0.59	0.59	0.0%	1.56	1.57	0.6%
1124015168	9/1/2018	0.72	0.72	0.0%	0.75	0.75	0.0%
2138019154	9/1/2018	0.44	0.43	2.3%	0.03	0.03	0.0%
2138019220	9/1/2018	0.23	0.23	0.0%	0.69	0.66	4.4%
1124013179	9/2/2018	0.41	0.42	2.4%	0.3	0.31	3.3%
1124013197	9/2/2018	0.45	0.45	0.0%	1.23	1.21	1.6%
1124021060	9/2/2018	0.51	0.52	1.9%	1.3	1.34	3.0%
2137012152	9/2/2018	0.24	0.25	4.1%	0.07	0.07	0.0%
2137012190	9/2/2018	0.43	0.32	29.3%	0.08	0.06	28.6%
2137012198	9/2/2018	0.46	0.47	2.2%	0.04	0.05	22.2%
1124013137	9/3/2018	0.44	0.44	0.0%	0.42	0.38	10.0%
1124013140	9/3/2018	0.79	0.79	0.0%	0.27	0.29	7.1%
1124018011	9/3/2018	0.16	0.16	0.0%	1.49	1.62	8.4%
1124018035	9/3/2018	0.29	0.3	3.4%	1.58	1.62	2.5%
1124013013	9/4/2018	0.48	0.46	4.3%	0.24	0.27	11.8%
1124013106	9/4/2018	0.6	0.61	1.7%	0.22	0.21	4.7%
1124013126	9/4/2018	0.36	0.36	0.0%	0.46	0.46	0.0%
1124021065	9/4/2018	0.18	0.2	10.5%	1.9	1.96	3.1%
1124013006	9/5/2018	0.62	0.62	0.0%	0.54	0.55	1.8%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1124021006	9/6/2018	0.3	0.28	6.9%	2.8	2.73	2.5%
1124021021	9/6/2018	0.08	0.09	11.8%	1.4	1.36	2.9%
1124021033	9/6/2018	0.07	0.06	15.4%	1.67	1.72	2.9%
1124021035	9/6/2018	0.3	0.29	3.4%	1.69	1.7	0.6%
1124021038	9/6/2018	0.54	0.54	0.0%	1.25	1.23	1.6%
1124021086	9/6/2018	0.17	0.17	0.0%	1.81	1.84	1.6%
1124021124	9/6/2018	0.18	0.17	5.7%	2	2	0.0%
1124012098	9/8/2018	0.39	0.4	2.5%	0.96	0.96	0.0%
1124012108	9/8/2018	0.36	0.38	5.4%	0.92	0.87	5.6%
1124012116	9/8/2018	0.75	0.75	0.0%	1.54	1.54	0.0%
1124012121	9/8/2018	0.65	0.67	3.0%	0.5	0.49	2.0%
1124012128	9/8/2018	0.46	0.47	2.2%	0.44	0.48	8.7%
1124012134	9/8/2018	0.31	0.34	9.2%	0.59	0.61	3.3%
1124019114	9/8/2018	0.16	0.16	0.0%	1.41	1.42	0.7%
1124019124	9/8/2018	0.16	0.16	0.0%	1.25	1.21	3.3%
1124019145	9/8/2018	0.15	0.14	6.9%	1.07	1.03	3.8%
1124019151	9/8/2018	0.45	0.45	0.0%	1.55	1.59	2.5%
1124019185	9/8/2018	0.53	0.54	1.9%	0.58	0.59	1.7%
1124021053	9/8/2018	0.1	0.11	9.5%	2.43	2.44	0.4%
2137012010	9/8/2018	0.21	0.21	0.0%	0.22	0.23	4.4%
2137012020	9/8/2018	0.34	0.34	0.0%	0.23	0.23	0.0%
2137012028	9/8/2018	0.18	0.19	5.4%	0.39	0.42	7.4%
2137012062	9/8/2018	0.58	0.59	1.7%	0.12	0.12	0.0%
2137012078	9/8/2018	0.39	0.39	0.0%	0.05	0.05	0.0%
2137012110	9/8/2018	0.23	0.24	4.3%	0.2	0.21	4.9%
2138019192	9/8/2018	1.84	1.89	2.7%	0.1	0.1	0.0%
1124012033	9/9/2018	0.53	0.52	1.9%	0.43	0.41	4.8%
1124012073	9/9/2018	0.53	0.53	0.0%	0.54	0.54	0.0%
1124019079	9/9/2018	0.55	0.56	1.8%	1.24	1.24	0.0%
1124019094	9/9/2018	0.59	0.61	3.3%	1.21	1.23	1.6%
1124019133	9/9/2018	0.53	0.51	3.8%	0.13	0.13	0.0%
2137012140	9/9/2018	0.59	0.57	3.4%	0.09	0.08	11.8%
1124012012	9/10/2018	0.38	0.3	23.5%	0.17	0.16	6.1%
1124012022	9/10/2018	0.68	0.68	0.0%	0.37	0.38	2.7%
1124012024	9/10/2018	0.6	0.59	1.7%	0.46	0.45	2.2%
1124012058	9/10/2018	0.28	0.3	6.9%	0.61	0.64	4.8%
1124019009	9/10/2018	0.34	0.34	0.0%	1.33	1.31	1.5%
2137015022	9/10/2018	0.39	0.4	2.5%	0.01	0.01	0.0%
1124012048	9/11/2018	0.68	0.68	0.0%	0.75	0.73	2.7%
1124019006	9/11/2018	0.24	0.24	0.0%	1.33	1.33	0.0%
1124019043	9/11/2018	0.4	0.41	2.5%	1.51	1.52	0.7%
1124019047	9/11/2018	0.4	0.39	2.5%	0.47	0.44	6.6%
1124019067	9/11/2018	0.47	0.49	4.2%	1.86	1.94	4.2%
1124022121	9/11/2018	1.19	1.19	0.0%	1.64	1.7	3.6%
1124022149	9/11/2018	1.19	1.2	0.8%	1.72	1.75	1.7%
1124022164	9/11/2018	0.33	0.34	3.0%	1.98	1.99	0.5%
1124022162	9/12/2018	0.38	0.39	2.6%	1.15	1.2	4.3%
1124023005	9/12/2018	0.61	0.6	1.7%	2.18	2.16	0.9%
1124023010	9/12/2018	0.7	0.7	0.0%	2.27	2.26	0.4%
1124023125	9/12/2018	0.19	0.19	0.0%	1.76	1.7	3.5%
1124023136	9/12/2018	0.4	0.4	0.0%	1.76	1.8	2.2%
1124023163	9/12/2018	0.37	0.38	2.7%	1.58	1.54	2.6%
1124023173	9/12/2018	0.17	0.16	6.1%	1.45	1.47	1.4%
1124023187	9/12/2018	0.16	0.16	0.0%	1.51	1.54	2.0%
2137015084	9/12/2018	0.16	0.17	6.1%	0.005	0.01	66.7%
1124023103	9/13/2018	0.63	0.61	3.2%	2.02	1.95	3.5%
1124022009	9/14/2018	1.2	1.24	3.3%	2.01	2.05	2.0%
1124022024	9/14/2018	1.01	1.02	1.0%	1.62	1.62	0.0%
1123001004	9/16/2018	0.79	0.79	0.0%	1.93	1.88	2.6%
1123001022	9/16/2018	0.58	0.57	1.7%	1.8	1.79	0.6%
1123001105	9/16/2018	1.11	1.14	2.7%	2.23	2.24	0.4%
1123001289	9/16/2018	0.52	0.51	1.9%	2.02	2.05	1.5%
1124023015	9/16/2018	0.37	0.38	2.7%	1.74	1.78	2.3%
1124023030	9/16/2018	0.42	0.43	2.4%	2.03	2.01	1.0%
1124023035	9/16/2018	0.25	0.26	3.9%	1.67	1.73	3.5%
1124023117	9/16/2018	0.34	0.34	0.0%	1.48	1.47	0.7%
1123001015	9/17/2018	0.31	0.32	3.2%	2.09	2.18	4.2%
1123001109	9/17/2018	1.02	1.01	1.0%	2.78	2.76	0.7%
1123001301	9/17/2018	1.11	1.11	0.0%	2.2	2.17	1.4%
1124024022	9/17/2018	0.65	0.66	1.5%	0.73	0.75	2.7%
1124024027	9/17/2018	0.23	0.22	4.4%	1.1	1.15	4.4%
1124024057	9/17/2018	0.21	0.2	4.9%	1.28	1.28	0.0%
1124024061	9/17/2018	0.51	0.51	0.0%	0.9	0.91	1.1%
1124024095	9/17/2018	0.66	0.63	4.7%	1.83	1.85	1.1%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
2137015028	9/18/2018	0.36	0.35	2.8%	0.03	0.03	0.0%
2137015066	9/18/2018	0.44	0.43	2.3%	0.01	0.005	66.7%
2137015068	9/18/2018	0.27	0.27	0.0%	0.005	0.005	0.0%
1124024085	9/19/2018	0.32	0.34	6.1%	1.91	1.87	2.1%
1124026129	9/20/2018	0.53	0.52	1.9%	0.87	0.84	3.5%
1124026150	9/20/2018	1.77	1.79	1.1%	2.27	2.29	0.9%
1124026180	9/20/2018	0.71	0.71	0.0%	1.81	1.84	1.6%
1124026191	9/20/2018	0.81	0.8	1.2%	0.56	0.53	5.5%
1124026230	9/20/2018	0.84	0.86	2.4%	0.23	0.22	4.4%
2137014038	9/20/2018	0.05	0.06	18.2%	0.09	0.09	0.0%
1124026005	9/21/2018	0.35	0.35	0.0%	0.02	0.02	0.0%
1124026144	9/21/2018	1.27	1.29	1.6%	2.72	2.78	2.2%
1124026159	9/21/2018	0.62	0.62	0.0%	2.54	2.43	4.4%
1124026177	9/21/2018	0.82	0.81	1.2%	0.75	0.72	4.1%
1124027007	9/21/2018	0.33	0.34	3.0%	2.13	2.16	1.4%
1124027046	9/21/2018	0.4	0.39	2.5%	2.34	2.38	1.7%
1124027068	9/21/2018	0.47	0.47	0.0%	1.93	1.89	2.1%
1124027099	9/21/2018	0.23	0.23	0.0%	1.35	1.31	3.0%
1124026024	9/22/2018	0.75	0.76	1.3%	0.27	0.28	3.6%
1124026033	9/22/2018	0.69	0.68	1.5%	0.8	0.76	5.1%
1124026123	9/22/2018	0.22	0.22	0.0%	0.46	0.44	4.4%
1124026172	9/22/2018	0.4	0.4	0.0%	0.5	0.47	6.2%
1124026218	9/22/2018	0.29	0.27	7.1%	0.64	0.63	1.6%
1124027012	9/22/2018	0.22	0.21	4.7%	1.72	1.75	1.7%
1124027043	9/22/2018	0.42	0.42	0.0%	2.01	1.99	1.0%
1124027078	9/22/2018	0.11	0.11	0.0%	1.82	1.82	0.0%
1123001147	9/23/2018	0.88	0.89	1.1%	1.91	1.94	1.6%
1123001156	9/23/2018	0.85	0.86	1.2%	1.52	1.56	2.6%
1123001161	9/23/2018	0.97	0.97	0.0%	1.33	1.33	0.0%
1123001186	9/23/2018	0.93	0.94	1.1%	2.23	2.27	1.8%
1123001201	9/23/2018	0.99	1	1.0%	1.9	1.96	3.1%
1123001266	9/23/2018	0.6	0.6	0.0%	2.55	2.54	0.4%
1124025011	9/23/2018	0.96	0.98	2.1%	1.49	1.52	2.0%
1124025121	9/23/2018	0.8	0.8	0.0%	1.15	1.13	1.8%
1124025149	9/23/2018	0.8	0.81	1.2%	1.52	1.56	2.6%
1124025005	9/24/2018	0.32	0.31	3.2%	1.96	1.9	3.1%
1124025142	9/24/2018	0.29	0.31	6.7%	0.8	0.81	1.2%
2137014042	9/25/2018	0.27	0.27	0.0%	0.07	0.06	15.4%
2137014068	9/25/2018	0.47	0.48	2.1%	0.03	0.03	0.0%
2137014116	9/25/2018	0.4	0.4	0.0%	0.1	0.11	9.5%
1123001127	9/26/2018	1.22	1.22	0.0%	1.73	1.69	2.3%
1123001184	9/26/2018	0.96	0.96	0.0%	2.19	2.2	0.5%
1124025146	9/26/2018	0.76	0.74	2.7%	2.41	2.35	2.5%
2137014056	9/27/2018	0.48	0.48	0.0%	0.04	0.04	0.0%
2137014062	9/27/2018	0.43	0.42	2.4%	0.02	0.02	0.0%
2137014088	9/27/2018	0.52	0.54	3.8%	0.02	0.02	0.0%
2137014138	9/27/2018	0.47	0.46	2.2%	0.01	0.01	0.0%
1123002005	9/28/2018	0.8	0.8	0.0%	0.89	0.89	0.0%
1123002018	9/28/2018	0.75	0.75	0.0%	1.04	1.03	1.0%
1123002031	9/28/2018	0.32	0.32	0.0%	0.56	0.56	0.0%
1123002036	9/28/2018	0.85	0.86	1.2%	0.64	0.64	0.0%
1123002044	9/30/2018	0.25	0.24	4.1%	0.52	0.49	5.9%
1123002054	9/30/2018	0.53	0.53	0.0%	0.71	0.7	1.4%
1123002076	9/30/2018	0.51	0.52	1.9%	0.32	0.33	3.1%
1123003047	9/30/2018	0.59	0.59	0.0%	0.8	0.78	2.5%
1123003103	9/30/2018	0.34	0.33	3.0%	0.82	0.8	2.5%
1123003114	9/30/2018	0.47	0.48	2.1%	1.22	1.21	0.8%
1123003134	9/30/2018	0.72	0.69	4.3%	1.12	1.11	0.9%
1123003146	9/30/2018	0.49	0.49	0.0%	0.57	0.57	0.0%
2137020078	9/30/2018	0.11	0.12	8.7%	0.04	0.04	0.0%
2137023196	9/30/2018	0.46	0.46	0.0%	0.03	0.03	0.0%
2137023236	9/30/2018	0.47	0.46	2.2%	0.14	0.14	0.0%
2137023242	9/30/2018	0.26	0.25	3.9%	0.2	0.2	0.0%
2137023268	9/30/2018	0.29	0.27	7.1%	0.21	0.2	4.9%
1123002092	10/1/2018	0.49	0.48	2.1%	0.14	0.13	7.4%
2137020030	10/1/2018	0.36	0.36	0.0%	0.38	0.38	0.0%
2137023048	10/1/2018	0.34	0.34	0.0%	0.01	0.01	0.0%
2137023108	10/1/2018	0.39	0.4	2.5%	0.19	0.19	0.0%
1123003005	10/2/2018	1.1	1.12	1.8%	0.56	0.59	5.2%
1123003020	10/2/2018	0.57	0.55	3.6%	1.32	1.34	1.5%
1123003036	10/2/2018	0.56	0.56	0.0%	0.34	0.35	2.9%
1123003067	10/2/2018	0.72	0.73	1.4%	0.08	0.07	13.3%
1123003097	10/2/2018	0.52	0.55	5.6%	0.43	0.41	4.8%
1123003141	10/2/2018	0.34	0.35	2.9%	1.06	1.08	1.9%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1123009024	10/2/2018	0.96	0.97	1.0%	2.17	2.21	1.8%
1123009038	10/2/2018	0.8	0.82	2.5%	3.07	2.96	3.6%
1123009068	10/2/2018	0.34	0.34	0.0%	3.36	3.42	1.8%
1123009071	10/2/2018	1.09	1.08	0.9%	2.38	2.37	0.4%
1123009074	10/2/2018	1.17	1.18	0.9%	1.9	1.98	4.1%
1123009108	10/2/2018	0.88	0.87	1.1%	2.09	2.03	2.9%
1123009149	10/2/2018	0.66	0.69	4.4%	2.98	2.82	5.5%
2137020002	10/2/2018	0.53	0.51	3.8%	0.03	0.03	0.0%
1123009075	10/3/2018	1.18	1.15	2.6%	1.88	1.74	7.7%
1123009134	10/3/2018	0.93	0.9	3.3%	1.96	1.92	2.1%
1123009176	10/3/2018	0.87	0.88	1.1%	1.62	1.65	1.8%
1123009184	10/3/2018	0.87	0.89	2.3%	1.9	1.95	2.6%
1123009201	10/3/2018	0.87	0.87	0.0%	1.61	1.58	1.9%
1123009036	10/5/2018	0.39	0.41	5.0%	2.63	2.59	1.5%
1123009037	10/5/2018	0.93	0.97	4.2%	2.09	2.15	2.8%
1123009065	10/5/2018	0.9	0.9	0.0%	1.88	1.87	0.5%
1123009119	10/5/2018	0.55	0.55	0.0%	1.45	1.49	2.7%
1123009180	10/5/2018	1.11	1.1	0.9%	1.61	1.57	2.5%
1123009222	10/5/2018	0.94	0.93	1.1%	1.35	1.34	0.7%
1123005030	10/6/2018	1.19	1.26	5.7%	0.4	0.44	9.5%
1123005038	10/6/2018	0.65	0.65	0.0%	0.4	0.38	5.1%
1123005065	10/6/2018	0.55	0.55	0.0%	0.44	0.46	4.4%
1123005211	10/6/2018	0.39	0.39	0.0%	1.17	1.15	1.7%
2137021046	10/6/2018	0.2	0.2	0.0%	0.18	0.19	5.4%
2137023056	10/6/2018	0.48	0.48	0.0%	0.02	0.02	0.0%
2137023098	10/6/2018	0.39	0.4	2.5%	0.09	0.09	0.0%
2137023164	10/6/2018	0.49	0.5	2.0%	0.28	0.29	3.5%
1123005078	10/7/2018	0.77	0.76	1.3%	0.58	0.58	0.0%
1123005108	10/7/2018	0.68	0.68	0.0%	0.23	0.25	8.3%
1123005101	10/8/2018	0.63	0.61	3.2%	0.7	0.68	2.9%
1231002011	10/8/2018	0.53	0.54	1.9%	2.72	2.57	5.7%
1231002015	10/8/2018	0.96	0.94	2.1%	1.79	1.81	1.1%
1231002019	10/8/2018	0.35	0.35	0.0%	1.07	1.04	2.8%
1231002040	10/8/2018	0.65	0.66	1.5%	1.2	1.23	2.5%
1231002041	10/8/2018	0.46	0.46	0.0%	1.09	1.08	0.9%
1231002053	10/8/2018	0.49	0.47	4.2%	1.57	1.49	5.2%
1231002060	10/8/2018	0.72	0.73	1.4%	1.28	1.3	1.6%
1123004012	10/9/2018	0.52	0.54	3.8%	0.42	0.41	2.4%
1123004123	10/9/2018	0.36	0.37	2.7%	0.32	0.32	0.0%
1123004160	10/9/2018	0.46	0.46	0.0%	0.36	0.37	2.7%
1123013011	10/9/2018	1.1	1.17	6.2%	1.4	1.4	0.0%
1123013038	10/9/2018	0.47	0.49	4.2%	1.71	1.8	5.1%
1231002070	10/9/2018	0.73	0.73	0.0%	1.17	1.16	0.9%
1231002126	10/9/2018	0.45	0.46	2.2%	2.01	2.09	3.9%
1123004005	10/10/2018	0.5	0.51	2.0%	0.33	0.34	3.0%
1123004128	10/10/2018	0.42	0.43	2.4%	0.38	0.41	7.6%
1123013025	10/10/2018	0.36	0.34	5.7%	1.51	1.4	7.6%
1123013045	10/10/2018	0.22	0.22	0.0%	1.08	1.01	6.7%
1123013065	10/10/2018	0.45	0.43	4.5%	1.88	1.75	7.2%
1123013072	10/10/2018	0.65	0.65	0.0%	3.03	3.03	0.0%
1123013097	10/10/2018	0.86	0.88	2.3%	1.77	1.84	3.9%
1123013110	10/10/2018	0.18	0.17	5.7%	1.1	1.08	1.8%
1123011021	10/11/2018	0.47	0.47	0.0%	1.13	1.13	0.0%
1123011147	10/11/2018	0.48	0.47	2.1%	1.37	1.38	0.7%
1123011198	10/11/2018	0.54	0.57	5.4%	1.11	1.13	1.8%
1231002075	10/11/2018	0.49	0.46	6.3%	0.84	0.75	11.3%
1231002104	10/11/2018	0.51	0.51	0.0%	0.69	0.7	1.4%
1231002110	10/11/2018	0.47	0.4	16.1%	0.51	0.46	10.3%
1123011014	10/13/2018	0.74	0.74	0.0%	0.7	0.7	0.0%
1123011101	10/13/2018	0.39	0.39	0.0%	1.73	1.8	4.0%
1123011125	10/13/2018	0.74	0.7	5.6%	1.69	1.57	7.4%
1123011166	10/13/2018	0.66	0.64	3.1%	1.34	1.35	0.7%
1123011168	10/13/2018	0.7	0.71	1.4%	1.73	1.69	2.3%
1123011170	10/13/2018	0.68	0.7	2.9%	1.74	1.71	1.7%
2137023012	10/13/2018	0.52	0.51	1.9%	0.07	0.07	0.0%
1123006059	10/14/2018	0.48	0.44	8.7%	0.21	0.15	33.3%
1123006083	10/14/2018	0.25	0.26	3.9%	0.89	0.92	3.3%
1123006094	10/14/2018	0.52	0.52	0.0%	0.51	0.51	0.0%
1123006107	10/14/2018	0.24	0.25	4.1%	1.17	1.24	5.8%
1123006121	10/14/2018	0.29	0.27	7.1%	1.32	1.34	1.5%
1123014102	10/14/2018	0.25	0.24	4.1%	2.96	2.95	0.3%
1123014119	10/14/2018	0.24	0.24	0.0%	2.55	2.48	2.8%
1123014128	10/14/2018	0.49	0.48	2.1%	1.65	1.67	1.2%
1123014155	10/14/2018	0.41	0.39	5.0%	2.13	2.01	5.8%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1123014181	10/14/2018	0.14	0.14	0.0%	2.79	2.57	8.2%
1123014190	10/14/2018	0.26	0.25	3.9%	1.86	1.75	6.1%
1123014192	10/14/2018	0.72	0.73	1.4%	1.51	1.52	0.7%
1123014214	10/14/2018	0.14	0.14	0.0%	1.59	1.67	4.9%
1123014247	10/14/2018	0.47	0.47	0.0%	1.36	1.25	8.4%
1123014253	10/14/2018	0.6	0.6	0.0%	1.85	1.89	2.1%
1123006007	10/17/2018	0.58	0.58	0.0%	0.45	0.43	4.5%
1123006013	10/17/2018	1.01	1.04	2.9%	0.11	0.12	8.7%
1123006021	10/17/2018	0.92	0.9	2.2%	0.17	0.17	0.0%
1123006031	10/17/2018	0.53	0.55	3.7%	0.34	0.36	5.7%
1123006053	10/17/2018	0.38	0.41	7.6%	1.46	0.31	129.9%
1123014003	10/17/2018	0.28	0.28	0.0%	1.66	1.75	5.3%
1123014014	10/17/2018	0.37	0.37	0.0%	1.14	1.13	0.9%
1123014025	10/17/2018	0.21	0.22	4.7%	1.79	1.85	3.3%
1123014031	10/17/2018	0.3	0.29	3.4%	1.46	1.43	2.1%
1123014225	10/17/2018	0.24	0.25	4.1%	3.2	3.18	0.6%
1123014288	10/17/2018	0.23	0.23	0.0%	1.18	1.21	2.5%
1123014305	10/17/2018	0.35	0.36	2.8%	1.89	1.9	0.5%
2137021805	10/17/2018	0.24	0.25	4.1%	0.3	0.31	3.3%
2.137E+10	10/17/2018	0.41	0.4	2.5%	0.37	0.33	11.4%
1123015009	10/19/2018	0.3	0.31	3.3%	1.47	1.49	1.4%
1123015017	10/19/2018	0.48	0.47	2.1%	1.72	1.71	0.6%
1123015034	10/19/2018	0.43	0.45	4.5%	1.03	1.04	1.0%
1123015057	10/19/2018	0.66	0.65	1.5%	1.21	1.22	0.8%
1124028005	10/19/2018	0.11	0.12	8.7%	1.55	1.56	0.6%
1124028036	10/19/2018	0.11	0.12	8.7%	1.37	1.37	0.0%
1124028117	10/19/2018	0.21	0.2	4.9%	2.95	2.86	3.1%
1124028120	10/19/2018	0.51	0.53	3.8%	2.13	2.15	0.9%
1124028148	10/19/2018	0.15	0.16	6.5%	2.04	1.98	3.0%
1124028169	10/19/2018	0.26	0.27	3.8%	1.83	1.54	17.2%
1124028177	10/19/2018	0.46	0.46	0.0%	2.77	2.8	1.1%
1124028191	10/19/2018	0.31	0.31	0.0%	2.06	2.01	2.5%
1124028197	10/19/2018	0.41	0.4	2.5%	2.16	2.17	0.5%
1124028232	10/19/2018	0.14	0.13	7.4%	1.02	1	2.0%
1124029315	10/19/2018	0.64	0.65	1.6%	2.09	2.13	1.9%
1124029372	10/19/2018	0.27	0.28	3.6%	2.26	2.27	0.4%
1124029394	10/19/2018	0.25	0.23	8.3%	2.33	2.38	2.1%
1124029420	10/19/2018	0.29	0.29	0.0%	1.19	1.19	0.0%
1124029440	10/19/2018	0.56	0.56	0.0%	1.31	1.31	0.0%
1124029705	10/19/2018	0.24	0.24	0.0%	3.83	3.84	0.3%
1124029715	10/19/2018	0.27	0.28	3.6%	2.6	2.59	0.4%
1124029720	10/19/2018	0.78	0.77	1.3%	1.85	1.87	1.1%
1124029737	10/19/2018	0.32	0.32	0.0%	1.5	1.5	0.0%
1124029745	10/19/2018	0.21	0.21	0.0%	2.71	2.73	0.7%
1123015066	10/20/2018	0.67	0.67	0.0%	1.38	1.32	4.4%
1123015080	10/20/2018	0.36	0.36	0.0%	1.35	1.34	0.7%
1124028217	10/20/2018	0.18	0.16	11.8%	1.68	1.56	7.4%
1124028254	10/20/2018	0.16	0.17	6.1%	1.38	1.34	2.9%
1124029347	10/20/2018	0.12	0.13	8.0%	2.7	2.78	2.9%
2137021108	10/20/2018	0.22	0.25	12.8%	0.61	0.63	3.2%
2137021985	10/20/2018	0.26	0.25	3.9%	0.12	0.11	8.7%
1123012032	10/21/2018	1.18	1.14	3.4%	1.98	1.9	4.1%
1123012154	10/21/2018	1.07	1.04	2.8%	2.11	2.09	1.0%
1123012179	10/21/2018	1.27	1.27	0.0%	1.7	1.67	1.8%
1123018023	10/21/2018	0.52	0.54	3.8%	0.49	0.5	2.0%
1123018111	10/21/2018	0.83	0.83	0.0%	0.41	0.44	7.1%
1124028228	10/21/2018	0.26	0.23	12.2%	1.37	1.37	0.0%
1124028246	10/21/2018	0.13	0.12	8.0%	1.37	1.35	1.5%
1124029305	10/21/2018	0.15	0.16	6.5%	3.81	3.9	2.3%
1124029334	10/21/2018	0.17	0.17	0.0%	2.02	2.01	0.5%
1123012008	10/22/2018	0.9	0.91	1.1%	1.86	1.88	1.1%
1123012020	10/22/2018	1.1	1.12	1.8%	2.21	2.21	0.0%
1123012049	10/22/2018	1.06	1.06	0.0%	2.22	2.23	0.4%
1123012114	10/22/2018	1.12	1.11	0.9%	2.25	2.33	3.5%
1123012152	10/22/2018	1.16	1.2	3.4%	1.58	1.65	4.3%
1123012189	10/22/2018	1	1.02	2.0%	1.96	2	2.0%
1123018026	10/22/2018	1.03	1.05	1.9%	0.34	0.29	15.9%
1123018049	10/22/2018	0.74	0.79	6.5%	0.15	0.15	0.0%
1123018118	10/22/2018	0.33	0.33	0.0%	1.63	1.64	0.6%
1124028022	10/22/2018	0.13	0.12	8.0%	1.69	1.72	1.8%
1123008003	10/23/2018	0.4	0.39	2.5%	0.13	0.12	8.0%
1123008019	10/23/2018	0.5	0.5	0.0%	0.75	0.76	1.3%
1123008034	10/23/2018	0.33	0.33	0.0%	0.03	0.03	0.0%
1123008104	10/23/2018	0.51	0.51	0.0%	0.12	0.14	15.4%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1123008152	10/23/2018	0.55	0.53	3.7%	0.22	0.19	14.6%
1123008170	10/23/2018	0.86	0.85	1.2%	0.62	0.57	8.4%
1123008190	10/23/2018	0.59	0.6	1.7%	0.61	0.58	5.0%
1123008204	10/23/2018	0.64	0.64	0.0%	0.37	0.37	0.0%
1123012067	10/23/2018	0.8	0.79	1.3%	2.2	2.22	0.9%
1122004028	10/26/2018	0.74	0.72	2.7%	1.28	1.28	0.0%
1122004041	10/26/2018	0.58	0.58	0.0%	1.04	1.01	2.9%
1122004058	10/26/2018	0.31	0.29	6.7%	1.17	1.12	4.4%
1122004067	10/26/2018	0.4	0.41	2.5%	0.64	0.64	0.0%
1122004079	10/26/2018	0.39	0.38	2.6%	0.95	0.91	4.3%
1123008124	10/26/2018	1.86	1.85	0.5%	1.61	1.43	11.8%
1123008142	10/26/2018	0.65	0.67	3.0%	1.03	1.09	5.7%
1123018129	10/26/2018	0.4	0.39	2.5%	1.58	1.63	3.1%
1123018325	10/26/2018	0.26	0.26	0.0%	1.76	1.72	2.3%
1123008048	10/27/2018	0.71	0.72	1.4%	1.25	1.32	5.4%
1123008230	10/27/2018	0.99	1	1.0%	2.64	2.46	7.1%
1123018381	10/27/2018	0.65	0.66	1.5%	1.41	1.36	3.6%
1123008254	10/28/2018	1.02	0.96	6.1%	3.33	2.37	33.7%
1123017004	10/28/2018	0.2	0.21	4.9%	1.58	1.62	2.5%
1123017054	10/28/2018	0.34	0.33	3.0%	1.78	1.78	0.0%
1123017074	10/28/2018	0.12	0.11	8.7%	1.95	1.85	5.3%
1123017093	10/28/2018	0.36	0.36	0.0%	1.89	1.96	3.6%
1123017104	10/28/2018	0.42	0.43	2.4%	1.83	1.82	0.5%
1123017129	10/28/2018	0.45	0.48	6.5%	1.41	1.52	7.5%
1231005009	10/28/2018	0.11	0.12	8.7%	0.47	0.46	2.2%
1231005055	10/28/2018	0.08	0.08	0.0%	0.28	0.29	3.5%
1231005092	10/28/2018	0.15	0.13	14.3%	0.51	0.49	4.0%
1231005099	10/28/2018	0.13	0.13	0.0%	0.5	0.49	2.0%
1231005126	10/28/2018	0.07	0.07	0.0%	0.48	0.46	4.3%
1231005129	10/28/2018	0.11	0.11	0.0%	0.29	0.27	7.1%
1231005166	10/28/2018	0.4	0.4	0.0%	0.67	0.67	0.0%
1231005196	10/28/2018	0.17	0.17	0.0%	1.19	1.1	7.9%
1231005206	10/28/2018	0.15	0.17	12.5%	0.34	0.36	5.7%
1231005246	10/28/2018	0.02	0.02	0.0%	0.72	0.71	1.4%
2137022012	10/28/2018	0.16	0.16	0.0%	0.21	0.21	0.0%
2137022058	10/28/2018	0.08	0.07	13.3%	0.16	0.14	13.3%
2137022094	10/28/2018	0.07	0.08	13.3%	0.24	0.25	4.1%
2137022074	10/30/2018	0.1	0.1	0.0%	0.23	0.24	4.3%
2137022152	10/30/2018	0.12	0.12	0.0%	0.33	0.33	0.0%
1122003016	10/31/2018	0.56	0.58	3.5%	1.86	1.88	1.1%
1122003042	10/31/2018	0.84	0.82	2.4%	2.26	2.19	3.1%
1122003049	10/31/2018	0.94	0.93	1.1%	2.43	2.51	3.2%
1122003085	10/31/2018	1.36	1.4	2.9%	1.84	1.87	1.6%
1122004101	10/31/2018	0.6	0.6	0.0%	1.14	1.17	2.6%
1122004107	10/31/2018	0.58	0.56	3.5%	0.96	0.97	1.0%
1122004131	10/31/2018	0.35	0.34	2.9%	0.63	0.52	19.1%
1123016005	10/31/2018	0.52	0.52	0.0%	2.29	2.33	1.7%
1123016006	10/31/2018	0.06	0.06	0.0%	3.36	3.39	0.9%
1123016024	10/31/2018	0.4	0.41	2.5%	1.91	1.86	2.7%
1123016037	10/31/2018	0.46	0.48	4.3%	2.01	2.04	1.5%
1123016126	10/31/2018	0.31	0.31	0.0%	2.19	2.21	0.9%
1123016156	10/31/2018	0.3	0.31	3.3%	1.97	2.02	2.5%
1123016161	10/31/2018	0.57	0.59	3.4%	1.89	1.88	0.5%
1123016173	10/31/2018	0.53	0.53	0.0%	1.79	1.82	1.7%
1123016199	10/31/2018	0.78	0.77	1.3%	1.25	1.26	0.8%
1123016220	10/31/2018	0.33	0.35	5.9%	1.69	1.72	1.8%
1123016711	10/31/2018	0.21	0.2	4.9%	1.61	1.63	1.2%
1123017042	10/31/2018	0.14	0.13	7.4%	1.51	1.45	4.1%
1123017110	10/31/2018	0.21	0.2	4.9%	1.63	1.62	0.6%
1123017149	10/31/2018	0.18	0.19	5.4%	1.74	1.72	1.2%
1123017176	10/31/2018	0.12	0.11	8.7%	3.41	3.23	5.4%
1123017194	10/31/2018	0.19	0.21	10.0%	2.76	2.78	0.7%
1123017206	10/31/2018	0.64	0.63	1.6%	1.16	1.15	0.9%
1123017224	10/31/2018	0.48	0.48	0.0%	1.66	1.57	5.6%
1123018302	11/1/2018	0.13	0.14	7.4%	0.67	0.66	1.5%
1122003068	11/2/2018	0.63	0.63	0.0%	1.51	1.48	2.0%
1122003093	11/2/2018	0.83	0.82	1.2%	1.95	2	2.5%
1123016102	11/2/2018	0.68	0.69	1.5%	1.81	1.85	2.2%
1123020002	11/2/2018	0.88	0.88	0.0%	1.82	1.83	0.5%
1123020016	11/2/2018	0.6	0.63	4.9%	2.37	2.45	3.3%
1123020048	11/2/2018	0.43	0.44	2.3%	1.76	1.75	0.6%
1123020067	11/2/2018	0.24	0.24	0.0%	1.18	1.14	3.4%
1123020069	11/2/2018	0.24	0.24	0.0%	0.85	0.87	2.3%
1123020088	11/2/2018	0.46	0.46	0.0%	1.55	1.61	3.8%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1123020105	11/2/2018	0.41	0.41	0.0%	1.59	1.61	1.3%
1123020113	11/2/2018	0.31	0.3	3.3%	1.94	1.96	1.0%
1123020130	11/2/2018	0.42	0.43	2.4%	1.25	1.24	0.8%
1123020154	11/2/2018	0.4	0.41	2.5%	2	2.02	1.0%
1123020189	11/2/2018	0.18	0.18	0.0%	2.1	2.08	1.0%
1123020201	11/2/2018	0.43	0.44	2.3%	1.37	1.37	0.0%
1123020218	11/2/2018	0.5	0.5	0.0%	1.52	1.51	0.7%
1232007411	11/2/2018	0.08	0.08	0.0%	3.32	3.19	4.0%
1232007415	11/2/2018	0.1	0.09	10.5%	2.3	2.32	0.9%
1232007461	11/2/2018	0.25	0.22	12.8%	2.06	2.04	1.0%
1232007491	11/2/2018	0.27	0.56	69.9%	2.45	0.12	181.3%
1232007505	11/2/2018	0.21	0.21	0.0%	2.24	2.28	1.8%
1122002180	11/3/2018	1.15	1.13	1.8%	1.7	1.77	4.0%
1122005020	11/3/2018	0.45	0.43	4.5%	0.89	0.88	1.1%
1122005044	11/3/2018	0.5	0.5	0.0%	0.17	0.17	0.0%
1122005096	11/3/2018	0.43	0.42	2.4%	0.43	0.43	0.0%
1123016179	11/3/2018	0.58	0.58	0.0%	1.29	1.29	0.0%
1123019195	11/3/2018	0.33	0.34	3.0%	1.58	1.61	1.9%
1123020169	11/3/2018	0.63	0.63	0.0%	1.02	1.01	1.0%
1122002005	11/4/2018	1.06	1.07	0.9%	2.02	2.03	0.5%
1122002023	11/4/2018	0.89	0.9	1.1%	2.14	2.05	4.3%
1122002030	11/4/2018	0.97	0.97	0.0%	2.16	2.11	2.3%
1122002108	11/4/2018	1.04	1.04	0.0%	2.38	2.38	0.0%
1122002156	11/4/2018	0.98	1.01	3.0%	2.27	2.21	2.7%
1123019032	11/4/2018	0.12	0.12	0.0%	1.4	1.42	1.4%
1122002128	11/6/2018	1.19	1.18	0.8%	2.19	2.25	2.7%
1122005005	11/6/2018	0.55	0.55	0.0%	0.33	0.31	6.3%
1122005035	11/6/2018	0.33	0.34	3.0%	0.88	0.9	2.2%
1122005215	11/6/2018	0.63	0.63	0.0%	1	0.98	2.0%
1122005218	11/6/2018	0.68	0.69	1.5%	0.76	0.81	6.4%
1232007430	11/6/2018	0.21	0.21	0.0%	2.52	2.51	0.4%
1232007496	11/6/2018	0.13	0.12	8.0%	2.52	2.52	0.0%
1232007526	11/6/2018	0.25	0.24	4.1%	2.53	2.52	0.4%
1122005086	11/7/2018	0.87	0.83	4.7%	1.21	1.24	2.4%
1122005109	11/7/2018	1.04	1.11	6.5%	0.89	0.9	1.1%
1123019014	11/7/2018	0.35	0.36	2.8%	3.71	3.75	1.1%
1123019049	11/7/2018	0.15	0.16	6.5%	1.28	1.23	4.0%
1123019058	11/7/2018	0.41	0.41	0.0%	2.93	3	2.4%
1123019065	11/7/2018	0.26	0.26	0.0%	2.54	2.54	0.0%
1123019137	11/7/2018	0.11	0.1	9.5%	1.02	1.05	2.9%
1123019146	11/7/2018	0.26	0.25	3.9%	2.14	2.12	0.9%
1123019155	11/7/2018	0.27	0.27	0.0%	2.94	2.93	0.3%
1123019174	11/7/2018	0.12	0.12	0.0%	2.44	2.28	6.8%
1122006001	11/8/2018	0.53	0.56	5.5%	0.86	0.88	2.3%
1122006202	11/8/2018	0.34	0.31	9.2%	1.04	0.99	4.9%
1123023006	11/8/2018	0.56	0.55	1.8%	2.71	2.68	1.1%
1123023030	11/8/2018	0.42	0.43	2.4%	2.23	2.14	4.1%
1123023113	11/8/2018	0.24	0.25	4.1%	0.78	0.78	0.0%
1123023129	11/8/2018	0.25	0.26	3.9%	2.07	2.22	7.0%
1123023132	11/8/2018	0.69	0.65	6.0%	2.66	2.73	2.6%
1123023152	11/8/2018	0.22	0.2	9.5%	0.84	0.87	3.5%
1123023183	11/8/2018	1.09	1.17	7.1%	1.53	1.46	4.7%
1123023212	11/8/2018	0.34	0.34	0.0%	0.61	0.61	0.0%
1232007316	11/8/2018	0.13	0.13	0.0%	3.71	3.99	7.3%
1232007520	11/8/2018	0.3	0.31	3.3%	2.27	2.19	3.6%
1122006017	11/9/2018	0.51	0.5	2.0%	0.83	0.83	0.0%
1122006031	11/9/2018	0.58	0.56	3.5%	0.29	0.25	14.8%
1122006037	11/9/2018	0.3	0.32	6.5%	1.51	1.49	1.3%
1122006072	11/9/2018	0.48	0.48	0.0%	1.2	1.19	0.8%
1123019164	11/9/2018	0.12	0.12	0.0%	2.77	2.79	0.7%
1123023037	11/9/2018	0.5	0.47	6.2%	0.51	0.43	17.0%
2136003018	11/9/2018	0.4	0.39	2.5%	0.2	0.2	0.0%
2136003072	11/9/2018	0.39	0.39	0.0%	0.28	0.28	0.0%
1122008005	11/11/2018	0.54	0.53	1.9%	0.53	0.48	9.9%
1122008018	11/11/2018	0.83	0.82	1.2%	2.05	2.02	1.5%
1122008035	11/11/2018	1.1	1.05	4.7%	2.93	2.8	4.5%
1122008123	11/11/2018	1.18	1.13	4.3%	1.53	1.54	0.7%
1122008170	11/11/2018	0.26	0.24	8.0%	1.54	1.47	4.7%
1122008195	11/11/2018	0.7	0.72	2.8%	0.93	0.97	4.2%
1122010122	11/11/2018	0.54	0.53	1.9%	1.74	1.7	2.3%
1122010127	11/11/2018	1.76	1.68	4.7%	2.54	2.62	3.1%
1122010236	11/11/2018	0.3	0.29	3.4%	3.31	3.25	1.8%
1122010255	11/11/2018	0.57	0.57	0.0%	3.4	3.49	2.6%
1122010289	11/11/2018	0.63	0.63	0.0%	1.45	1.53	5.4%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1122010294	11/11/2018	1.05	1.03	1.9%	2.2	2.23	1.4%
1122010298	11/11/2018	0.52	0.53	1.9%	3.89	3.81	2.1%
1122010332	11/11/2018	0.18	0.17	5.7%	0.9	0.84	6.9%
1122007099	11/12/2018	1.13	1.19	5.2%	1.55	1.61	3.8%
1122007125	11/12/2018	0.37	0.37	0.0%	2.79	2.85	2.1%
1122007149	11/12/2018	0.88	0.85	3.5%	1.89	1.81	4.3%
1122010175	11/12/2018	0.42	0.4	4.9%	2.03	2.05	1.0%
1122010197	11/12/2018	1.05	1.04	1.0%	2.5	2.53	1.2%
1122010336	11/12/2018	0.3	0.29	3.4%	1.06	0.98	7.8%
1122012019	11/12/2018	0.28	0.27	3.6%	1.75	1.68	4.1%
1122012053	11/12/2018	0.07	0.07	0.0%	2.07	2.02	2.4%
1122012067	11/12/2018	0.31	0.32	3.2%	1.65	1.67	1.2%
1122012090	11/12/2018	0.33	0.33	0.0%	1.95	1.98	1.5%
1122010010	11/13/2018	0.41	0.42	2.4%	1.82	1.84	1.1%
1122010146	11/13/2018	0.62	0.58	6.7%	1.84	1.97	6.8%
1122010182	11/13/2018	0.26	0.28	7.4%	1.39	1.39	0.0%
1122010308	11/13/2018	0.48	0.49	2.1%	2.07	2.02	2.4%
1122010313	11/13/2018	0.38	0.38	0.0%	1.68	1.68	0.0%
1122008107	11/14/2018	0.38	0.36	5.4%	0.63	0.59	6.6%
1122008133	11/14/2018	1.1	1.12	1.8%	1.81	1.9	4.9%
1122008187	11/14/2018	1.1	1.12	1.8%	2.43	2.36	2.9%
1122008189	11/14/2018	0.86	0.85	1.2%	2.24	2.26	0.9%
1122009093	11/14/2018	0.76	0.76	0.0%	0.5	0.5	0.0%
1122009095	11/14/2018	0.62	0.64	3.2%	0.36	0.37	2.7%
1122009117	11/14/2018	0.57	0.56	1.8%	0.35	0.32	9.0%
1122009144	11/14/2018	0.55	0.53	3.7%	0.74	0.68	8.5%
1122009163	11/14/2018	0.46	0.48	4.3%	0.75	0.78	3.9%
1122012116	11/14/2018	0.29	0.28	3.5%	2.29	2.28	0.4%
1122012127	11/14/2018	0.23	0.23	0.0%	1.88	1.88	0.0%
1122012137	11/14/2018	0.28	0.3	6.9%	2.4	2.49	3.7%
1122012161	11/14/2018	0.36	0.36	0.0%	1.42	1.45	2.1%
1232007543	11/14/2018	0.41	0.4	2.5%	2.48	2.48	0.0%
1122007004	11/16/2018	0.77	0.77	0.0%	2.05	2.07	1.0%
1122007030	11/16/2018	1.39	1.37	1.4%	2.39	2.42	1.2%
1122009026	11/16/2018	0.25	0.27	7.7%	1	1.03	3.0%
1122009039	11/16/2018	0.95	0.95	0.0%	0.46	0.47	2.2%
1122009040	11/16/2018	1.09	1.09	0.0%	0.37	0.35	5.6%
1122009070	11/16/2018	0.17	0.16	6.1%	0.65	0.66	1.5%
1122009151	11/16/2018	0.22	0.22	0.0%	0.88	0.87	1.1%
1122009306	11/16/2018	0.14	0.14	0.0%	1.55	1.53	1.3%
1122011030	11/16/2018	0.56	0.55	1.8%	0.3	0.31	3.3%
1122011200	11/16/2018	0.65	0.66	1.5%	0.84	0.82	2.4%
1122012026	11/16/2018	0.17	0.16	6.1%	2.69	2.56	5.0%
1122012147	11/16/2018	0.25	0.24	4.1%	1.21	1.25	3.3%
1122012165	11/16/2018	0.15	0.14	6.9%	0.96	0.97	1.0%
1122012168	11/16/2018	0.94	0.91	3.2%	1.59	1.5	5.8%
1231003049	11/16/2018	0.58	0.58	0.0%	1.1	1.12	1.8%
1231003059	11/16/2018	0.5	0.49	2.0%	1.68	1.73	2.9%
1231003090	11/16/2018	0.91	0.92	1.1%	1.16	1.12	3.5%
1231008018	11/16/2018	0.18	0.18	0.0%	1.5	1.51	0.7%
1231008116	11/16/2018	0.33	0.33	0.0%	3.05	3.02	1.0%
1231008268	11/16/2018	0.18	0.18	0.0%	2.85	2.94	3.1%
1231009086	11/16/2018	0.07	0.07	0.0%	3.44	3.19	7.5%
1231009091	11/16/2018	0.21	0.21	0.0%	2.92	2.86	2.1%
1231009175	11/16/2018	0.14	0.15	6.9%	2.75	2.71	1.5%
1122007011	11/17/2018	1.2	1.24	3.3%	2.54	2.64	3.9%
1122007060	11/17/2018	1.15	1.13	1.8%	2.37	2.31	2.6%
1122007079	11/17/2018	0.62	0.59	5.0%	1.39	1.38	0.7%
1122009001	11/17/2018	0.5	0.5	0.0%	0.76	0.8	5.1%
1122009020	11/17/2018	1.18	1.27	7.3%	0.4	0.43	7.2%
1231008009	11/17/2018	0.16	0.16	0.0%	0.77	0.75	2.6%
1231008174	11/17/2018	0.04	0.04	0.0%	2.36	2.34	0.9%
1122014150	11/18/2018	0.2	0.21	4.9%	2.76	2.71	1.8%
1122014166	11/18/2018	0.53	0.52	1.9%	1.87	1.78	4.9%
1122016080	11/18/2018	0.46	0.46	0.0%	1.71	1.69	1.2%
1122014028	11/19/2018	0.2	0.2	0.0%	1.64	1.59	3.1%
1122014111	11/19/2018	0.33	0.34	3.0%	2.41	2.45	1.6%
1122014114	11/19/2018	0.27	0.28	3.6%	3.09	3.01	2.6%
1122014185	11/19/2018	0.16	0.15	6.5%	2.67	2.7	1.1%
1122016021	11/19/2018	0.45	0.47	4.3%	1.25	1.29	3.1%
1122016032	11/19/2018	0.5	0.5	0.0%	2.31	2.43	5.1%
1122016047	11/19/2018	0.17	0.18	5.7%	1.29	1.32	2.3%
1122016069	11/19/2018	0.28	0.28	0.0%	1.36	1.41	3.6%
1122016117	11/19/2018	0.36	0.33	8.7%	1.68	1.62	3.6%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1122016151	11/19/2018	0.16	0.17	6.1%	1.02	1.07	4.8%
1122016157	11/19/2018	0.26	0.27	3.8%	1.25	1.22	2.4%
1122016169	11/19/2018	0.18	0.18	0.0%	0.71	0.73	2.8%
1231003031	11/19/2018	0.17	0.17	0.0%	0.96	0.97	1.0%
1231003078	11/19/2018	0.42	0.4	4.9%	1.89	1.85	2.1%
1231003237	11/19/2018	0.07	0.08	13.3%	5.24	5.27	0.6%
1231003320	11/19/2018	0.74	0.74	0.0%	1.28	1.31	2.3%
1231003366	11/19/2018	0.51	0.51	0.0%	1.92	1.93	0.5%
1231008335	11/19/2018	0.34	0.33	3.0%	2.48	2.5	0.8%
1231008360	11/19/2018	0.29	0.29	0.0%	2.86	2.95	3.1%
1122011018	11/20/2018	0.43	0.42	2.4%	0.51	0.49	4.0%
1122011101	11/20/2018	0.46	0.45	2.2%	0.7	0.67	4.4%
1122011126	11/20/2018	0.5	0.5	0.0%	0.28	0.26	7.4%
1122011129	11/20/2018	0.61	0.61	0.0%	0.27	0.31	13.8%
1122011147	11/20/2018	0.58	0.61	5.0%	0.07	0.07	0.0%
1122011187	11/20/2018	0.49	0.5	2.0%	0.42	0.44	4.7%
1122014664	11/20/2018	0.32	0.33	3.1%	2.37	2.42	2.1%
1122015207	11/20/2018	0.35	0.36	2.8%	0.61	0.65	6.3%
1122016010	11/20/2018	0.66	0.64	3.1%	0.29	0.28	3.5%
1122016142	11/20/2018	0.63	0.64	1.6%	0.55	0.51	7.5%
1231003274	11/20/2018	0.98	1	2.0%	1.37	1.29	6.0%
1231003364	11/20/2018	0.9	0.88	2.2%	2.17	2.21	1.8%
1231008243	11/20/2018	0.19	0.18	5.4%	2.99	3.07	2.6%
1122011122	11/21/2018	0.63	0.62	1.6%	0.41	0.4	2.5%
1230010172	11/21/2018	0.05	0.05	0.0%	1.91	1.89	1.1%
1230010181	11/21/2018	0.04	0.04	0.0%	1.75	1.66	5.3%
1230010224	11/21/2018	0.13	0.14	7.4%	1.46	1.5	2.7%
1230010241	11/21/2018	0.78	0.79	1.3%	2.81	2.77	1.4%
1122014009	11/23/2018	0.44	0.44	0.0%	2.62	2.54	3.1%
1122014197	11/23/2018	0.99	1	1.0%	1.48	1.47	0.7%
1122015003	11/23/2018	0.98	0.1	163.0%	0.13	0.12	8.0%
1122015103	11/23/2018	0.66	0.66	0.0%	0.63	0.59	6.6%
1122015108	11/23/2018	2.59	2.55	1.6%	1.05	1.04	1.0%
1122015164	11/23/2018	1.41	1.43	1.4%	0.49	0.49	0.0%
1122015174	11/23/2018	0.79	0.77	2.6%	0.71	0.71	0.0%
1122015033	11/26/2018	0.55	0.55	0.0%	0.51	0.54	5.7%
1122015152	11/26/2018	0.71	0.72	1.4%	0.51	0.5	2.0%
1122015193	11/26/2018	0.9	0.93	3.3%	0.51	0.52	1.9%
1122015212	11/26/2018	0.62	0.62	0.0%	0.45	0.41	9.3%
1122018005	11/26/2018	0.22	0.22	0.0%	1.05	1.05	0.0%
1122018012	11/26/2018	0.15	0.14	6.9%	1.4	1.37	2.2%
1122018029	11/26/2018	0.12	0.12	0.0%	1.73	1.77	2.3%
1122018106	11/26/2018	0.13	0.13	0.0%	0.82	0.83	1.2%
1122018125	11/26/2018	0.14	0.15	6.9%	1.15	1.13	1.8%
1122018132	11/26/2018	0.2	0.19	5.1%	1.13	1.15	1.8%
1122018165	11/26/2018	0.22	0.23	4.4%	1.6	1.55	3.2%
1122018189	11/26/2018	0.49	0.47	4.2%	1.87	1.83	2.2%
1122018210	11/26/2018	0.44	0.44	0.0%	2.76	2.59	6.4%
1122018213	11/26/2018	0.43	0.44	2.3%	1.8	1.74	3.4%
1230010286	11/26/2018	0.17	0.17	0.0%	2.24	2.33	3.9%
1230010328	11/26/2018	0.18	0.19	5.4%	1.51	1.5	0.7%
1230010345	11/26/2018	0.18	0.19	5.4%	1.15	1.13	1.8%
1230010402	11/26/2018	0.22	0.2	9.5%	1.23	1.16	5.9%
1230010408	11/26/2018	0.39	0.39	0.0%	0.63	0.68	7.6%
1230010436	11/26/2018	0.13	0.12	8.0%	0.67	0.66	1.5%
1230010460	11/26/2018	0.06	0.05	18.2%	1.83	1.8	1.7%
1230010466	11/26/2018	0.13	0.13	0.0%	1.22	1.19	2.5%
1230010495	11/26/2018	0.25	0.23	8.3%	1.93	1.87	3.2%
1231008040	11/26/2018	0.23	0.22	4.4%	3.03	2.98	1.7%
1231008046	11/26/2018	0.2	0.2	0.0%	2.6	2.63	1.1%
1231008057	11/26/2018	0.19	0.19	0.0%	3.67	3.6	1.9%
1231008078	11/26/2018	0.3	0.3	0.0%	4.19	4.29	2.4%
1231008101	11/26/2018	0.19	0.18	5.4%	2.73	2.76	1.1%
1231008165	11/26/2018	0.18	0.17	5.7%	2.84	2.76	2.9%
1231008183	11/26/2018	0.16	0.15	6.5%	3.37	3.19	5.5%
1231008277	11/26/2018	0.11	0.11	0.0%	3.13	3.1	1.0%
1231008339	11/26/2018	0.27	0.28	3.6%	2.68	2.69	0.4%
1231009024	11/26/2018	0.32	0.33	3.1%	2.95	2.86	3.1%
1231009158	11/26/2018	0.05	0.05	0.0%	2.79	2.67	4.4%
1231009212	11/26/2018	0.15	0.15	0.0%	2.61	2.55	2.3%
1231009214	11/26/2018	0.19	0.18	5.4%	2.91	2.87	1.4%
1122001016	11/29/2018	0.22	0.22	0.0%	1.79	1.76	1.7%
1122001025	11/29/2018	0.51	0.52	1.9%	1.94	2	3.0%
1122001109	11/29/2018	0.35	0.34	2.9%	1.72	1.72	0.0%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1122001126	11/29/2018	0.97	0.99	2.0%	2.1	2.11	0.5%
1122018172	11/29/2018	0.18	0.18	0.0%	1.94	1.97	1.5%
1122019056	11/29/2018	0.5	0.49	2.0%	1.26	1.21	4.0%
1122019175	11/29/2018	0.47	0.48	2.1%	1.78	1.75	1.7%
1122019215	11/29/2018	0.21	0.21	0.0%	4.15	4.01	3.4%
1122020011	11/29/2018	0.65	0.68	4.5%	0.94	1	6.2%
1122020021	11/29/2018	0.2	0.22	9.5%	0.78	0.81	3.8%
1122020117	11/29/2018	0.75	0.74	1.3%	1.14	1.15	0.9%
1122020164	11/29/2018	0.35	0.33	5.9%	0.65	0.63	3.1%
1230010006	11/29/2018	0.49	0.48	2.1%	0.9	0.83	8.1%
1230010026	11/29/2018	0.24	0.24	0.0%	1.5	1.53	2.0%
1230010053	11/29/2018	0.28	0.28	0.0%	1.36	1.42	4.3%
1230010061	11/29/2018	0.7	0.7	0.0%	1.01	1.02	1.0%
1231008216	11/29/2018	0.11	0.11	0.0%	3.29	3.18	3.4%
1231008323	11/29/2018	0.17	0.18	5.7%	3.14	3.17	1.0%
1231009076	11/29/2018	0.09	0.09	0.0%	2.09	2.19	4.7%
1231009220	11/29/2018	0.52	0.53	1.9%	2.41	2.36	2.1%
1231009289	11/29/2018	0.35	0.35	0.0%	3.38	3.34	1.2%
2136006012	11/29/2018	0.35	0.36	2.8%	0.37	0.37	0.0%
2136006054	11/29/2018	0.25	0.24	4.1%	0.09	0.09	0.0%
2136006088	11/29/2018	0.04	0.04	0.0%	0.02	0.02	0.0%
2136006110	11/29/2018	0.44	0.45	2.2%	0.06	0.06	0.0%
2136006136	11/29/2018	0.26	0.27	3.8%	0.08	0.08	0.0%
2136006166	11/29/2018	0.3	0.3	0.0%	0.97	1.02	5.0%
1122019014	12/1/2018	0.43	0.44	2.3%	1.32	1.3	1.5%
1122019026	12/1/2018	0.29	0.28	3.5%	1.64	1.64	0.0%
1122019052	12/1/2018	0.17	0.17	0.0%	1.1	1.13	2.7%
1122019155	12/1/2018	0.19	0.19	0.0%	2.19	2.19	0.0%
2136004078	12/1/2018	0.26	0.27	3.8%	0.14	0.14	0.0%
1122019071	12/2/2018	0.17	0.18	5.7%	1.33	1.35	1.5%
1122019089	12/2/2018	0.68	0.7	2.9%	1.45	1.49	2.7%
1122019094	12/2/2018	0.25	0.24	4.1%	1.22	1.21	0.8%
1122019100	12/2/2018	0.24	0.24	0.0%	2.47	2.58	4.4%
1122019112	12/2/2018	0.2	0.19	5.1%	1.02	1.02	0.0%
1122019122	12/2/2018	0.18	0.19	5.4%	1.69	1.58	6.7%
1122019130	12/2/2018	0.2	0.21	4.9%	1.12	1.16	3.5%
1122019140	12/2/2018	0.25	0.26	3.9%	2.08	2.04	1.9%
1122019160	12/2/2018	0.3	0.31	3.3%	2.16	2.09	3.3%
1122019254	12/2/2018	0.85	0.87	2.3%	1.78	1.73	2.8%
2136004178	12/2/2018	0.49	0.48	2.1%	0.01	0.01	0.0%
2136004242	12/2/2018	0.49	0.49	0.0%	0.02	0.02	0.0%
1122019244	12/5/2018	0.43	0.43	0.0%	1.98	1.99	0.5%
1122021016	12/5/2018	0.31	0.31	0.0%	2.12	2.16	1.9%
1122021030	12/5/2018	1.34	1.34	0.0%	2.1	2.08	1.0%
1122021037	12/5/2018	0.38	0.4	5.1%	2.16	2.16	0.0%
2136001022	12/5/2018	0.22	0.22	0.0%	0.2	0.19	5.1%
2136001030	12/5/2018	0.19	0.19	0.0%	0.31	0.3	3.3%
2136001038	12/5/2018	0.41	0.41	0.0%	0.11	0.1	9.5%
2136001056	12/5/2018	0.23	0.24	4.3%	0.11	0.1	9.5%
2136001064	12/5/2018	0.19	0.2	5.1%	0.21	0.22	4.7%
2136001094	12/5/2018	0.29	0.27	7.1%	0.09	0.09	0.0%
1122019024	12/6/2018	0.31	0.32	3.2%	2.5	2.56	2.4%
1122019063	12/6/2018	0.5	0.48	4.1%	1.95	1.93	1.0%
2136004070	12/6/2018	0.35	0.35	0.0%	0.18	0.17	5.7%
2136004110	12/6/2018	0.47	0.47	0.0%	0.42	0.41	2.4%
2136004202	12/6/2018	0.5	0.51	2.0%	0.02	0.02	0.0%
2136004254	12/6/2018	0.55	0.55	0.0%	0.03	0.03	0.0%
2136004258	12/6/2018	0.27	0.26	3.8%	0.57	0.55	3.6%
2136004316	12/6/2018	0.24	0.24	0.0%	0.05	0.05	0.0%
1121009053	12/8/2018	1.05	1.05	0.0%	1.95	1.95	0.0%
1121009075	12/8/2018	1.13	1.1	2.7%	1.72	1.71	0.6%
2136005084	12/8/2018	0.08	0.09	11.8%	0.27	0.28	3.6%
1231008312	12/9/2018	0.12	0.12	0.0%	2.4	2.35	2.1%
1231009065	12/9/2018	0.24	0.24	0.0%	1.73	1.7	1.7%
1231009101	12/9/2018	0.12	0.13	8.0%	1.99	2.02	1.5%
1231009181	12/9/2018	0.17	0.17	0.0%	1.98	2.01	1.5%
1231009282	12/9/2018	0.13	0.12	8.0%	1.74	1.71	1.7%
1231010005	12/9/2018	0.1	0.11	9.5%	2.91	2.85	2.1%
1231010038	12/9/2018	0.14	0.15	6.9%	2.07	2.29	10.1%
1231010068	12/9/2018	0.19	0.19	0.0%	2.74	2.81	2.5%
1231010069	12/9/2018	0.13	0.13	0.0%	2.58	2.52	2.4%
1231010075	12/9/2018	0.09	0.09	0.0%	3.27	3.25	0.6%
1231010084	12/9/2018	0.42	0.42	0.0%	1.87	1.91	2.1%
1231010100	12/9/2018	0.19	0.19	0.0%	2.74	2.77	1.1%

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Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1231010116	12/9/2018	0.28	0.28	0.0%	2.07	2.07	0.0%
1231010133	12/9/2018	0.19	0.2	5.1%	2.21	2.23	0.9%
1231010160	12/9/2018	0.21	0.2	4.9%	1.85	1.91	3.2%
2136001122	12/10/2018	0.5	0.51	2.0%	0.32	0.31	3.2%
2136001132	12/10/2018	0.12	0.12	0.0%	0.19	0.19	0.0%
2136001136	12/10/2018	0.27	0.27	0.0%	0.03	0.03	0.0%
1121009016	12/12/2018	0.82	0.81	1.2%	1.3	1.29	0.8%
1121009017	12/12/2018	0.45	0.45	0.0%	1.08	1.08	0.0%
1121009034	12/12/2018	1.07	1.07	0.0%	2.01	2.03	1.0%
1121009036	12/12/2018	1.04	1.03	1.0%	1.91	1.92	0.5%
1121009042	12/12/2018	0.7	0.69	1.4%	1.53	1.55	1.3%
1121009046	12/12/2018	0.48	0.47	2.1%	3.07	3.07	0.0%
1121009094	12/12/2018	1.09	1.09	0.0%	2.48	2.53	2.0%
1121009134	12/12/2018	0.44	0.4	9.5%	2.64	2.72	3.0%
1122020027	12/12/2018	0.62	0.61	1.6%	1.24	1.21	2.4%
1122020034	12/12/2018	1.02	1.01	1.0%	1.54	1.52	1.3%
1122020103	12/12/2018	1.11	1.12	0.9%	1.5	1.45	3.4%
1122020106	12/12/2018	0.7	0.7	0.0%	1.67	1.64	1.8%
1122020154	12/12/2018	0.92	0.94	2.2%	1.67	1.72	2.9%
1122020201	12/12/2018	1.01	0.99	2.0%	1.11	1.13	1.8%
1122021009	12/12/2018	0.13	0.13	0.0%	3.27	3.26	0.3%
1122021120	12/12/2018	0.52	0.51	1.9%	1.87	1.93	3.2%
1122021129	12/12/2018	0.43	0.43	0.0%	2.83	2.84	0.4%
1122021145	12/12/2018	0.1	0.11	9.5%	2.45	2.41	1.6%
1122021163	12/12/2018	0.7	0.71	1.4%	1.77	1.78	0.6%
1122021173	12/12/2018	0.24	0.25	4.1%	2.2	2.09	5.1%
2136006178	12/12/2018	0.34	0.35	2.9%	0.39	0.4	2.5%
2136006180	12/12/2018	0.46	0.47	2.2%	0.32	0.32	0.0%
1121001038	12/14/2018	0.71	0.63	11.9%	0.59	0.59	0.0%
1121001046	12/14/2018	0.57	0.69	19.0%	0.51	0.5	2.0%
1121001066	12/14/2018	0.39	0.4	2.5%	0.67	0.66	1.5%
1121001085	12/14/2018	0.18	0.18	0.0%	0.85	0.84	1.2%
1121001090	12/14/2018	0.62	0.64	3.2%	1.58	1.54	2.6%
1121001109	12/14/2018	0.96	0.95	1.0%	1.07	1.01	5.8%
1121001134	12/14/2018	0.19	0.19	0.0%	1.12	1.02	9.3%
1121001142	12/14/2018	0.16	0.17	6.1%	0.66	0.69	4.4%
1121001216	12/14/2018	0.2	0.21	4.9%	1.07	1.08	0.9%
1121001227	12/14/2018	0.21	0.22	4.7%	1.25	1.32	5.4%
1121002043	12/14/2018	0.69	0.68	1.5%	1.94	1.9	2.1%
1121002054	12/14/2018	0.82	0.83	1.2%	0.58	0.58	0.0%
1121002079	12/14/2018	0.46	0.46	0.0%	0.49	0.46	6.3%
1121002080	12/14/2018	0.44	0.45	2.2%	1.08	1.09	0.9%
1121009173	12/14/2018	1.03	1.03	0.0%	1.81	1.78	1.7%
1122020001	12/15/2018	0.97	0.94	3.1%	1.87	1.77	5.5%
1122020171	12/15/2018	0.73	0.74	1.4%	0.46	0.48	4.3%
1122020181	12/15/2018	0.79	0.79	0.0%	0.41	0.4	2.5%
1121001073	12/16/2018	0.63	0.59	6.6%	1.54	1.63	5.7%
1121001118	12/16/2018	0.25	0.24	4.1%	0.93	0.91	2.2%
1121001156	12/16/2018	0.28	0.28	0.0%	0.6	0.6	0.0%
1121001174	12/16/2018	0.38	0.36	5.4%	1.69	1.69	0.0%
1121001253	12/16/2018	0.19	0.28	38.3%	3.82	3.61	5.7%
1121003078	12/16/2018	0.86	0.87	1.2%	2.03	2.05	1.0%
2136004010	12/16/2018	0.18	0.17	5.7%	0.09	0.09	0.0%
2136005094	12/16/2018	0.07	0.06	15.4%	0.11	0.1	9.5%
2136005146	12/16/2018	0.63	0.44	35.5%	0.04	0.03	28.6%
1121001182	12/17/2018	0.09	0.1	10.5%	1.44	1.48	2.7%
1121001186	12/17/2018	0.3	0.3	0.0%	6.65	6.68	0.5%
1121003088	12/17/2018	0.59	0.6	1.7%	2.45	2.44	0.4%
1121001005	12/18/2018	0.46	0.45	2.2%	0.54	0.57	5.4%
1121001013	12/18/2018	0.61	0.61	0.0%	0.86	0.87	1.2%
1121001201	12/18/2018	0.12	0.12	0.0%	1.69	1.71	1.2%
1121003056	12/18/2018	0.11	0.11	0.0%	2.52	2.49	1.2%
1121001052	12/19/2018	0.42	0.41	2.4%	1.95	1.92	1.6%
1232008071	12/20/2018	0.38	0.37	2.7%	2.07	2.07	0.0%
2136004044	12/20/2018	0.2	0.2	0.0%	0.42	0.44	4.7%
2136004050	12/20/2018	0.43	0.45	4.5%	0.16	0.16	0.0%
2136005114	12/20/2018	0.33	0.33	0.0%	0.16	0.16	0.0%
1121003019	12/21/2018	0.39	0.4	2.5%	1.29	1.24	4.0%
1121003025	12/21/2018	0.03	0.03	0.0%	4.11	4.16	1.2%
1121003059	12/21/2018	0.08	0.08	0.0%	2.29	2.38	3.9%
1121003062	12/21/2018	0.76	0.77	1.3%	2.01	2.04	1.5%
1121003095	12/21/2018	0.34	0.34	0.0%	2.4	2.38	0.8%
1121003098	12/21/2018	0.9	0.89	1.1%	2.77	2.78	0.4%
1121003127	12/21/2018	0.12	0.12	0.0%	2.71	2.62	3.4%

APPENDIX A-1: CARBON AND SULFUR DUPLICATE DATA FROM RAINY RIVER MINE ONSITE LECO FACILITY

Sample Site Name	Sanple Date	Total Carbon (wt.%)[1]	Total Carbon Duplicate (wt. %)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1121003138	12/21/2018	0.8	0.66	19.2%	2.52	2.12	17.2%
1232008036	12/21/2018	0.51	0.51	0.0%	1.48	1.48	0.0%
1232008093	12/21/2018	0.14	0.15	6.9%	1.82	1.83	0.5%
1232008102	12/21/2018	0.52	0.52	0.0%	1.82	1.85	1.6%
1121003159	12/24/2018	0.98	0.96	2.1%	2.01	1.97	2.0%
1232008121	12/24/2018	0.49	0.47	4.2%	2.31	2.17	6.3%
1232008177	12/24/2018	0.35	0.37	5.6%	1.43	1.46	2.1%
1232008179	12/24/2018	0.37	0.37	0.0%	2.28	2.28	0.0%
2136005072	12/24/2018	0.45	0.47	4.3%	0.12	0.12	0.0%
1231011039	12/26/2018	0.68	0.63	7.6%	0.76	0.75	1.3%
1231011066	12/26/2018	0.06	0.07	15.4%	0.56	0.58	3.5%
1231011079	12/26/2018	0.39	0.38	2.6%	0.99	1	1.0%
1231011120	12/26/2018	0.08	0.08	0.0%	3.32	3.28	1.2%
1231011187	12/26/2018	0.02	0.02	0.0%	0.72	0.69	4.3%
1232008058	12/26/2018	0.69	0.67	2.9%	1.81	1.77	2.2%
2136007052	12/26/2018	0.34	0.34	0.0%	0.21	0.2	4.9%
2136007072	12/26/2018	0.48	0.5	4.1%	0.04	0.04	0.0%
1231011105	12/27/2018	0.15	0.15	0.0%	0.94	0.96	2.1%
1231011108	12/27/2018	0.05	0.05	0.0%	0.44	0.44	0.0%
1231011160	12/27/2018	0.06	0.06	0.0%	1.9	1.9	0.0%
1231011216	12/27/2018	0.11	0.11	0.0%	1.2	1.15	4.3%
1231011232	12/27/2018	0.03	0.03	0.0%	2.45	2.43	0.8%
1231011248	12/27/2018	0.02	0.02	0.0%	0.93	0.92	1.1%
1231011251	12/27/2018	0.08	0.09	11.8%	1.48	1.51	2.0%
1232008164	12/27/2018	0.23	0.23	0.0%	1.46	1.44	1.4%
2136007090	12/27/2018	0.2	0.2	0.0%	0.1	0.1	0.0%
1121004004	12/28/2018	0.18	0.18	0.0%	2.26	2.26	0.0%
1121004009	12/28/2018	0.29	0.28	3.5%	2.52	2.54	0.8%
1231011281	12/28/2018	0.08	0.06	28.6%	1.23	1.2	2.5%
1231011298	12/28/2018	0.03	0.03	0.0%	2.2	2.16	1.8%
1231011320	12/28/2018	0.02	0.02	0.0%	2.21	2.29	3.6%
1231011341	12/28/2018	0.01	0.04	120.0%	2.99	3	0.3%
1231011358	12/28/2018	0.01	0.02	66.7%	1.92	1.95	1.6%
1231011379	12/28/2018	0.03	0.03	0.0%	1.16	1.17	0.9%
1231011402	12/28/2018	0.12	0.12	0.0%	2.47	2.45	0.8%
1121004029	12/29/2018	0.18	0.19	5.4%	3.09	2.96	4.3%
1121004032	12/29/2018	0.15	0.14	6.9%	3.07	3.17	3.2%
1121004090	12/29/2018	0.24	0.26	8.0%	2.18	2.19	0.5%
1232008024	12/29/2018	0.16	0.17	6.1%	1.33	1.35	1.5%
1232008133	12/29/2018	0.26	0.24	8.0%	2.15	2.13	0.9%
1232008136	12/29/2018	0.34	0.34	0.0%	1.3	1.27	2.3%
2136007020	12/29/2018	0.42	0.42	0.0%	0.46	0.33	32.9%
2136007112	12/29/2018	0.27	0.24	11.8%	0.15	0.13	14.3%
1121004027	12/30/2018	0.16	0.16	0.0%	2.49	2.51	0.8%
1121004072	12/30/2018	0.3	0.3	0.0%	1.83	1.82	0.5%
1121004107	12/30/2018	0.09	0.09	0.0%	2.33	2.32	0.4%
1121004116	12/31/2018	0.22	0.23	4.4%	2.61	2.52	3.5%
1121004118	12/31/2018	0.18	0.11	48.3%	1.44	1.49	3.4%
1121004708	12/31/2018	0.4	0.41	2.5%	2.2	2.17	1.4%
2136007138	12/31/2018	0.22	0.21	4.7%	0.07	0.07	0.0%

[1]wt. % = weight percent

APPENDIX A-2

2018 ABA AUDIT DATA

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Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1129050022	1/6/2018	0.03	2.29	2.50	71.56	0.03	0.19	2.35	0.00	73.44	0.00	6	72.5	0.08
1130057523	1/25/2018	0.03	0.26	2.50	8.13	0.31	0.11	0.27	0.00	8.44	0.00	3	8.4	0.36
1130057624	1/27/2018	0.01	2.03	0.83	63.44	0.01	0.11	2.01	0.00	62.81	0.00	2	51.3	0.04
1130057906	1/27/2018	0.01	2.57	0.83	80.31	0.01	0.08	2.5	0.00	78.13	0.00	3	71.3	0.04
1131065736	1/18/2018	0.18	2.81	15.01	87.81	0.17	0.14	2.57	0.00	80.31	0.00	6	81.9	0.07
1131065794	1/18/2018	0.01	0.13	0.42	4.06	0.10	0.18	0.22	0.00	6.88	0.00	1	5.6	0.18
1131066263	2/6/2018	0.06	1.93	5.00	60.31	0.08	0.12	1.84	0.00	57.50	0.00	4	52.8	0.08
1131066325	2/6/2018	0.14	1.41	11.68	44.06	0.26	0.19	1.42	0.00	44.38	0.00	6	42.5	0.14
1131066347	2/6/2018	0.18	1.04	15.01	32.50	0.46	0.51	1.04	0.00	32.50	0.00	18	28.1	0.64
1131066377	2/6/2018	0.10	2.64	8.34	82.50	0.10	0.39	2.67	0.00	83.44	0.00	11	73.8	0.15
1131066378	2/6/2018	0.12	2.09	10.01	65.31	0.15	0.48	1.94	0.00	60.63	0.00	13	62.2	0.21
1131066416	2/6/2018	0.03	1.83	2.50	57.19	0.04	0.07	1.74	0.00	54.38	0.00	4	56.3	0.07
1131068039	2/11/2018	0.02	0.18	1.67	5.63	0.30	0.1	0.19	0.00	5.94	0.00	3	5.9	0.51
1131069006	2/16/2018	0.14	0.95	11.68	29.69	0.39	0.51	0.98	0.00	30.63	0.00	11	28.1	0.39
1131069105	2/16/2018	0.12	0.49	10.01	15.31	0.65	0.92	0.49	15.17	15.31	0.99	12	16.3	0.74
1131069001	2/17/2018	0.24	4.43	20.02	138.44	0.14	0.73	4.15	8.11	129.69	0.06	22	139.1	0.16
1131069047	2/17/2018	0.14	0.29	11.68	9.06	1.29	0.55	0.29	1.43	9.06	0.16	9	8.8	1.03
1131069087	2/17/2018	0.13	0.41	10.84	12.81	0.85	0.41	0.42	0.00	13.13	0.00	7	13.4	0.52
1130094001	3/18/2018	0.14	2.03	11.68	63.44	0.18	0.14	1.89	0.00	59.06	0.00	6	59.4	0.1
1130094016	3/18/2018	0.08	1.52	6.67	47.50	0.14	0.13	1.46	0.00	45.63	0.00	6	44.7	0.13
1131072036	3/30/2018	0.06	1.21	5.00	37.81	0.13	0.05	1.28	0.00	40.00	0.00	1	40	0.03
1131072046	3/30/2018	0.23	1.68	19.18	52.50	0.37	0.56	1.65	1.80	51.56	0.03	15	51.3	0.29
1131072075	3/30/2018	0.07	1.46	5.84	45.63	0.13	0.25	1.4	0.00	43.75	0.00	6	42.8	0.14
1131072124	3/30/2018	0.37	1.52	30.86	47.50	0.65	0.69	1.5	6.63	46.88	0.14	25	45.6	0.55
1230001133	4/6/2018	0.04	1.80	3.34	56.25	0.06	0.09	1.75	0.00	54.69	0.00	3	53.8	0.06
1230001041	4/7/2018	0.20	2.13	16.68	66.56	0.25	0.49	2.05	0.00	64.06	0.00	17	65.3	0.26
1230001077	4/7/2018	0.38	0.89	31.69	27.81	1.14	1.08	0.9	21.11	28.13	0.75	35	27.2	1.29
1230001017	4/8/2018	0.35	0.64	29.19	20.00	1.46	1.51	0.63	37.08	19.69	1.88	34	18.8	1.81
1231001051	4/12/2018	0.10	2.19	8.34	68.44	0.12	0.24	2.19	0.00	68.44	0.00	8	66.3	0.12
1230003097	4/19/2018	0.09	1.71	7.51	53.44	0.14	0.7	1.85	7.00	57.81	0.12	13	57.2	0.23
1230003120	4/19/2018	0.14	1.13	11.68	35.31	0.33	0.96	1.12	16.65	35.00	0.48	16	35.6	0.45
1230003124	4/19/2018	0.29	2.12	24.19	66.25	0.37	0.55	2.01	1.43	62.81	0.02	25	61.6	0.41
1230003126	4/19/2018	0.10	2.07	8.34	64.69	0.13	0.5	2.05	0.00	64.06	0.00	11	66.3	0.17
1230003150	4/19/2018	0.10	1.48	8.34	46.25	0.18	0.74	1.58	8.48	49.38	0.17	14	48.4	0.29
1230003170	4/19/2018	0.16	1.03	13.34	32.19	0.41	0.97	0.98	17.03	30.63	0.56	16	33.1	0.48
1230003012	4/22/2018	0.03	2.12	2.50	66.25	0.04	0.17	2.15	0.00	67.19	0.00	7	68.8	0.1
1230003024	4/22/2018	0.13	1.40	10.84	43.75	0.25	0.77	1.54	9.60	48.13	0.20	13	43.4	0.3
1230003062	4/22/2018	0.22	2.59	18.35	80.94	0.23	1.27	2.73	28.17	85.31	0.33	26	77.5	0.34
1230003066	4/22/2018	0.24	2.55	20.02	79.69	0.25	0.92	2.35	15.17	73.44	0.21	26	75	0.35
1230003702	4/23/2018	0.20	1.38	16.68	43.13	0.39	1.35	1.58	31.14	49.38	0.63	24	43.8	0.55
1131065701	5/28/2018	0.26	2.53	21.68	79.06	0.27	0.46	2.44	0.00	76.25	0.00	22	77.2	0.29
1127014001	1/17/2018	0.38	0.73	31.69	22.81	1.39	1.97	0.87	54.17	27.19	1.99	49	23.8	2.06
1127014003	1/17/2018	0.56	0.50	46.70	15.63	2.99	2.3	0.5	66.42	15.63	4.25	53	14.7	3.61
1127014015	1/18/2018	1.26	1.87	105.08	58.44	1.80	3.61	1.9	115.08	59.38	1.94	146	58.4	2.5

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1127014054	1/18/2018	0.94	1.88	78.40	58.75	1.33	3.07	1.9	95.02	59.38	1.60	79	59.1	1.34
1127014103	1/18/2018	0.61	0.81	50.87	25.31	2.01	2.28	0.82	65.68	25.63	2.56	60	23.4	2.56
1127014112	1/18/2018	0.69	0.74	57.55	23.13	2.49	2.56	0.79	76.08	24.69	3.08	65	21.3	3.06
1127014406	1/17/2018	0.54	0.53	45.04	16.56	2.72	1.84	0.53	49.34	16.56	2.98	50	16.6	3.02
1127014425	1/17/2018	0.65	1.03	54.21	32.19	1.68	2.44	0.97	71.62	30.31	2.36	90	31.3	2.88
1127014514	1/17/2018	0.58	1.55	48.37	48.44	1.00	2.09	1.58	58.62	49.38	1.19	52	47.8	1.09
1127015007	1/17/2018	0.33	0.45	27.52	14.06	1.96	1.4	0.45	33.00	14.06	2.35	39	14.1	2.77
1127015008	1/17/2018	0.23	0.56	19.18	17.50	1.10	1.3	0.57	29.28	17.81	1.64	27	17.2	1.57
1127017101	1/21/2018	0.29	1.19	24.19	37.19	0.65	1.55	1.15	38.57	35.94	1.07	31	35	0.89
1127017102	1/21/2018	1.28	0.92	106.75	28.75	3.71	1.6	2.15	40.42	67.19	0.60	45	68.1	0.66
1127017119	1/21/2018	0.33	1.73	27.52	54.06	0.51	1.34	1.69	30.77	52.81	0.58	33	53.4	0.62
1128033101	1/23/2018	0.74	0.40	61.72	12.50	4.94	2.3	0.41	66.42	12.81	5.18	65	12.5	5.2
1128033153	1/23/2018	0.33	0.80	27.52	25.00	1.10	1.26	0.81	27.80	25.31	1.10	33	23.1	1.43
1128034006	1/20/2018	0.56	1.09	46.70	34.06	1.37	1.96	1.08	53.79	33.75	1.59	55	33.1	1.66
1128036002	1/31/2018	1.01	0.79	84.23	24.69	3.41	2.9	0.84	88.71	26.25	3.38	80	24.7	3.24
1128036037	1/31/2018	1.03	1.09	85.90	34.06	2.52	2.89	1.15	88.33	35.94	2.46	81	32.2	2.52
1128036039	1/30/2018	0.84	1.36	70.06	42.50	1.65	1.77	1.39	46.74	43.44	1.08	63	39.7	1.59
1128036061	1/31/2018	0.44	0.93	36.70	29.06	1.26	1.62	0.97	41.17	30.31	1.36	40	27.5	1.45
1128036069	1/30/2018	0.55	1.69	45.87	52.81	0.87	1.83	1.68	48.97	52.50	0.93	47	51.6	0.91
1128036071	1/30/2018	0.70	0.80	58.38	25.00	2.34	2.12	0.79	59.74	24.69	2.42	58	21.6	2.69
1128036099	1/31/2018	0.38	0.70	31.69	21.88	1.45	1.31	0.69	29.65	21.56	1.38	35	20.6	1.7
1128036220	1/30/2018	1.15	1.25	95.91	39.06	2.46	2.65	1.33	79.42	41.56	1.91	97	38.4	2.52
1129048015	1/17/2018	0.88	1.35	73.39	42.19	1.74	1.97	1.5	54.17	46.88	1.16	71	41.9	1.7
1129048021	1/17/2018	0.34	2.34	28.36	73.13	0.39	0.75	2.27	8.86	70.94	0.12	29	65.3	0.44
1129048035	1/18/2018	0.10	1.45	8.34	45.31	0.18	0.35	1.53	0.00	47.81	0.00	10	46.9	0.21
1129048036	1/18/2018	0.17	1.44	14.18	45.00	0.32	0.28	1.42	0.00	44.38	0.00	11	43.8	0.25
1129048065	1/17/2018	0.37	2.98	30.86	93.13	0.33	0.99	3.47	17.77	108.44	0.16	30	103.1	0.29
1129048086	1/18/2018	0.61	2.20	50.87	68.75	0.74	1.22	2.27	26.31	70.94	0.37	49	68.8	0.71
1129048401	1/18/2018	0.15	2.63	12.51	82.19	0.15	0.32	2.4	0.00	75.00	0.00	12	78.8	0.15
1129048406	1/18/2018	0.07	1.50	5.84	46.88	0.12	0.2	1.4	0.00	43.75	0.00	6	43.4	0.14
1129048511	1/18/2018	0.16	1.89	13.34	59.06	0.23	0.54	1.81	1.06	56.56	0.02	18	55	0.33
1129048518	1/18/2018	0.19	1.50	15.85	46.88	0.34	0.67	1.52	5.88	47.50	0.12	19	47.5	0.4
1129049074	1/17/2018	0.60	2.94	50.04	91.88	0.54	2.22	2.74	63.45	85.63	0.74	56	85.3	0.66
1129049245	1/18/2018	0.53	2.10	44.20	65.63	0.67	1.79	2.01	47.48	62.81	0.76	50	59.4	0.84
1129049250	1/18/2018	0.33	2.68	27.52	83.75	0.33	0.58	2.58	2.54	80.63	0.03	15	81.6	0.18
1129049413	1/18/2018	0.93	0.95	77.56	29.69	2.61	3.07	0.94	95.02	29.38	3.23	94	30.3	3.1
1129050030	1/19/2018	0.63	2.54	52.54	79.38	0.66	2.08	2.57	58.25	80.31	0.73	52	75.3	0.69
1129050500	1/19/2018	0.94	2.30	78.40	71.88	1.09	2.44	2.28	71.62	71.25	1.01	71	71.3	1
1129051034	1/25/2018	0.96	1.96	80.06	61.25	1.31	1.88	1.96	50.82	61.25	0.83	76	58.4	1.3
1129051419	1/24/2018	0.50	1.92	41.70	60.00	0.70	1.07	1.77	20.74	55.31	0.37	40	56.3	0.71
1129051511	1/25/2018	1.00	2.24	83.40	70.00	1.19	1.87	2.17	50.45	67.81	0.74	78	66.9	1.17
1129051526	1/24/2018	0.99	1.39	82.57	43.44	1.90	1.9	1.35	51.57	42.19	1.22	75	41.6	1.8
1131066220	2/6/2018	0.17	2.42	14.18	75.63	0.19	0.49	2.38	0.00	74.38	0.00	14	69.7	0.2
1131066239	2/6/2018	0.17	2.33	14.18	72.81	0.19	0.67	2.33	5.88	72.81	0.08	18	67.8	0.27

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1131066290	2/6/2018	0.23	1.23	19.18	38.44	0.50	0.79	1.28	10.34	40.00	0.26	24	38.8	0.62
1131066312	2/6/2018	0.18	1.66	15.01	51.88	0.29	0.67	1.6	5.88	50.00	0.12	16	50.9	0.31
1131066386	2/6/2018	0.21	1.43	17.51	44.69	0.39	0.58	1.46	2.54	45.63	0.06	20	40	0.5
1127019502	2/8/2018	0.49	0.19	40.87	5.94	6.88	1.48	0.17	35.97	5.31	6.77	43	5.6	7.64
1127019535	2/8/2018	0.30	0.66	25.02	20.63	1.21	0.98	0.66	17.40	20.63	0.84	31	21.3	1.46
1127019024	2/9/2018	0.47	2.19	39.20	68.44	0.57	1.44	2.17	34.48	67.81	0.51	42	63.1	0.67
1127019025	2/9/2018	0.50	0.41	41.70	12.81	3.25	1.57	0.43	39.31	13.44	2.93	43	13.8	3.13
1127019166	2/9/2018	0.38	0.34	31.69	10.63	2.98	1.23	0.36	26.68	11.25	2.37	37	9.7	3.82
1127019224	2/9/2018	0.42	0.39	35.03	12.19	2.87	1.23	0.42	26.68	13.13	2.03	38	14.1	2.7
1127019527	2/9/2018	0.23	0.65	19.18	20.31	0.94	0.8	0.64	10.71	20.00	0.54	26	22.2	1.17
1127019119	2/10/2018	0.76	0.94	63.38	29.38	2.16	2.17	1.01	61.59	31.56	1.95	62	29.1	2.13
1127019178	2/10/2018	0.87	1.18	72.56	36.88	1.97	2.9	1.21	88.71	37.81	2.35	79	36.9	2.14
1127022331	2/11/2018	1.13	0.92	94.24	28.75	3.28	2.39	1.02	69.76	31.88	2.19	80	29.7	2.69
1127022041	2/12/2018	0.39	0.57	32.53	17.81	1.83	1.36	0.6	31.51	18.75	1.68	41	18.1	2.26
1128039004	2/15/2018	0.33	2.14	27.52	66.88	0.41	0.61	2.24	3.66	70.00	0.05	24	66.6	0.36
1128039025	2/15/2018	0.34	2.33	28.36	72.81	0.39	0.57	2.39	2.17	74.69	0.03	23	78.1	0.29
1129053100	2/18/2018	1.01	1.06	84.23	33.13	2.54	2.45	1.1	71.99	34.38	2.09	81	35.3	2.29
1129053179	2/18/2018	0.34	1.09	28.36	34.06	0.83	1.71	1.17	44.51	36.56	1.22	36	40.9	0.88
1127021010	2/20/2018	0.34	0.74	28.36	23.13	1.23	1.16	0.74	24.08	23.13	1.04	36	24.1	1.5
1127021025	2/20/2018	0.47	0.50	39.20	15.63	2.51	1.36	0.53	31.51	16.56	1.90	45	15.9	2.82
1127021044	2/20/2018	0.46	1.16	38.36	36.25	1.06	1.45	1.21	34.85	37.81	0.92	43	37.2	1.16
1128040002	2/20/2018	0.35	1.31	29.19	40.94	0.71	1.15	1.37	23.71	42.81	0.55	32	42.8	0.75
1128040032	2/20/2018	0.75	1.56	62.55	48.75	1.28	1.46	1.58	35.22	49.38	0.71	61	48.1	1.27
1128040052	2/20/2018	0.70	1.70	58.38	53.13	1.10	1.41	1.64	33.37	51.25	0.65	59	53.1	1.11
1128040065	2/20/2018	0.72	1.68	60.05	52.50	1.14	1.46	1.77	35.22	55.31	0.64	59	57.2	1.03
1128040077	2/20/2018	0.32	2.15	26.69	67.19	0.40	0.69	2.1	6.63	65.63	0.10	27	68.4	0.39
1129057019	2/21/2018	0.60	1.97	50.04	61.56	0.81	1.96	1.91	53.79	59.69	0.90	54	61.9	0.87
1127023041	2/22/2018	0.43	1.08	35.86	33.75	1.06	1.69	1.13	43.77	35.31	1.24	42	35.6	1.18
1127023068	2/22/2018	0.74	1.02	61.72	31.88	1.94	2.46	1.11	72.36	34.69	2.09	65	33.8	1.93
1127023119	2/22/2018	0.76	1.13	63.38	35.31	1.79	2.5	1.16	73.85	36.25	2.04	67	35	1.91
1128040401	2/22/2018	1.16	2.82	96.74	88.13	1.10	2.36	2.76	68.65	86.25	0.80	98	85.9	1.14
1129057120	2/22/2018	0.60	0.54	50.04	16.88	2.97	1.92	0.59	52.31	18.44	2.84	53	19.4	2.74
1129057130	2/22/2018	0.50	1.32	41.70	41.25	1.01	1.52	1.43	37.45	44.69	0.84	41	43.8	0.94
1127023023	2/23/2018	0.36	0.59	30.02	18.44	1.63	1.28	0.66	28.54	20.63	1.38	36	18.4	1.95
1127023037	2/23/2018	0.48	1.11	40.03	34.69	1.15	1.7	1.17	44.14	36.56	1.21	46	33.8	1.36
1129057108	2/23/2018	0.84	2.25	70.06	70.31	1.00	1.85	2.21	49.71	69.06	0.72	66	68.8	0.96
1129057169	2/23/2018	0.67	1.27	55.88	39.69	1.41	2.02	1.3	56.02	40.63	1.38	57	40.3	1.41
1127023004	2/25/2018	0.56	0.59	46.70	18.44	2.53	1.67	0.65	43.02	20.31	2.12	47	18.8	2.51
1127024001	2/25/2018	0.61	1.31	50.87	40.94	1.24	2.13	1.37	60.11	42.81	1.40	54	40.3	1.34
1128039044	3/1/2018	1.48	2.09	123.43	65.31	1.89	2.66	2.14	79.79	66.88	1.19	122	68.4	1.78
1128039061	3/1/2018	0.91	1.97	75.89	61.56	1.23	2.1	1.8	58.99	56.25	1.05	63	60.6	1.04
1128039094	3/1/2018	0.16	3.11	13.34	97.19	0.14	0.48	3.01	0.00	94.06	0.00	14	98.4	0.14
1128039139	3/1/2018	1.27	2.42	105.92	75.63	1.40	2.44	2.5	71.62	78.13	0.92	100	79.4	1.26
1128036050	3/2/2018	0.91	0.84	75.89	26.25	2.89	2.45	0.79	71.99	24.69	2.92	78	25.3	3.08

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1126002174	3/5/2018	0.56	2.32	46.70	72.50	0.64	2.52	2.07	74.59	64.69	1.15	56	66.6	0.84
1126002186	3/5/2018	0.50	1.22	41.70	38.13	1.09	2.11	1.18	59.37	36.88	1.61	49	35.3	1.39
1126001005	3/7/2018	0.94	4.66	78.40	145.63	0.54	3.33	4.35	104.68	135.94	0.77	168	139.4	1.21
1128041108	3/7/2018	0.91	2.22	75.89	69.38	1.09	1.8	1.9	47.85	59.38	0.81	75	59.4	1.26
1128041006	3/8/2018	0.29	2.69	24.19	84.06	0.29	0.73	2.57	8.11	80.31	0.10	25	78.1	0.32
1128041016	3/8/2018	0.69	1.48	57.55	46.25	1.24	1.42	1.57	33.74	49.06	0.69	59	44.7	1.32
1128041031	3/8/2018	0.69	2.81	57.55	87.81	0.66	1.43	2.68	34.11	83.75	0.41	60	81.3	0.74
1128041036	3/8/2018	0.48	2.71	40.03	84.69	0.47	1.19	2.6	25.20	81.25	0.31	43	77.2	0.56
1128041137	3/9/2018	0.19	2.68	15.85	83.75	0.19	0.54	2.63	1.06	82.19	0.01	18	78.1	0.23
1127025301	3/17/2018	0.49	0.77	40.87	24.06	1.70	1.63	0.77	41.54	24.06	1.73	47	23.4	2.01
1127025302	3/17/2018	0.50	0.39	41.70	12.19	3.42	0.98	0.81	17.40	25.31	0.69	31	25.6	1.21
1127025304	3/17/2018	0.32	0.71	26.69	22.19	1.20	1.2	0.7	25.57	21.88	1.17	35	21.3	1.65
1127025311	3/17/2018	0.43	0.37	35.86	11.56	3.10	1.3	0.35	29.28	10.94	2.68	38	11.9	3.2
1127025342	3/17/2018	0.39	0.74	32.53	23.13	1.41	1.23	0.72	26.68	22.50	1.19	37	22.5	1.64
1127025345	3/17/2018	0.50	0.44	41.70	13.75	3.03	1.6	0.42	40.42	13.13	3.08	47	13.8	3.42
1127025350	3/17/2018	0.44	0.80	36.70	25.00	1.47	1.46	0.83	35.22	25.94	1.36	42	25.9	1.62
1127025405	3/17/2018	0.50	0.26	41.70	8.13	5.13	1.66	0.27	42.65	8.44	5.06	47	9.1	5.19
1127026012	3/17/2018	0.55	0.88	45.87	27.50	1.67	2.15	0.94	60.85	29.38	2.07	50	26.3	1.9
1127026021	3/17/2018	1.11	2.40	92.57	75.00	1.23	2.29	2.27	66.05	70.94	0.93	81	73.1	1.11
1127026068	3/17/2018	1.09	1.92	90.91	60.00	1.52	2.45	1.88	71.99	58.75	1.23	95	57.2	1.66
1127026174	3/17/2018	0.66	0.56	55.04	17.50	3.15	2.26	0.59	64.94	18.44	3.52	59	18.1	3.26
1126003045	3/18/2018	1.09	1.67	90.91	52.19	1.74	3.48	1.72	110.25	53.75	2.05	137	50.6	2.71
1126003068	3/18/2018	1.01	2.46	84.23	76.88	1.10	3.27	2.18	102.45	68.13	1.50	83	76.6	1.08
1126003079	3/18/2018	0.68	1.41	56.71	44.06	1.29	2.94	1.36	90.19	42.50	2.12	63	41.9	1.5
1126003032	3/21/2018	0.42	0.09	35.03	2.81	12.45	1.71	0.07	44.51	2.19	20.35	42	2.8	14.93
1128045003	3/21/2018	0.52	0.69	43.37	21.56	2.01	1.78	0.66	47.11	20.63	2.28	50	20.6	2.42
1128045010	3/21/2018	0.36	0.52	30.02	16.25	1.85	1.55	0.49	38.57	15.31	2.52	37	15.6	2.37
1128045063	3/21/2018	0.33	0.17	27.52	5.31	5.18	1.02	0.15	18.88	4.69	4.03	32	5	6.4
1128045071	3/21/2018	0.37	1.47	30.86	45.94	0.67	1.36	1.4	31.51	43.75	0.72	38	43.4	0.87
1128046120	3/21/2018	0.28	2.19	23.35	68.44	0.34	1.26	2.06	27.80	64.38	0.43	32	65	0.49
1128046133	3/21/2018	0.67	1.19	55.88	37.19	1.50	2.09	1.29	58.62	40.31	1.45	60	39.1	1.54
1128046140	3/21/2018	0.64	1.56	53.38	48.75	1.09	2.04	1.51	56.77	47.19	1.20	60	43.1	1.39
1128045017	3/23/2018	0.49	1.84	40.87	57.50	0.71	1.66	1.74	42.65	54.38	0.78	36	54.4	0.66
1128045020	3/23/2018	0.91	1.61	75.89	50.31	1.51	2.35	1.57	68.28	49.06	1.39	75	47.8	1.57
1128045023	3/23/2018	0.87	2.09	72.56	65.31	1.11	2.35	2.05	68.28	64.06	1.07	71	59.1	1.2
1128046101	3/23/2018	0.49	2.14	40.87	66.88	0.61	1.39	2.09	32.62	65.31	0.50	45	64.4	0.7
1127027010	3/30/2018	0.62	1.40	51.71	43.75	1.18	1.97	1.38	54.17	43.13	1.26	53	44.7	1.19
1127027138	3/30/2018	0.79	0.47	65.89	14.69	4.49	2.17	0.45	61.59	14.06	4.38	66	15.6	4.22
1127027186	3/30/2018	0.40	1.19	33.36	37.19	0.90	1.24	1.23	27.05	38.44	0.70	36	36.6	0.98
1127027187	3/30/2018	0.56	0.89	46.70	27.81	1.68	1.91	0.92	51.94	28.75	1.81	52	29.7	1.75
1127027205	3/30/2018	0.54	1.68	45.04	52.50	0.86	1.73	1.72	45.25	53.75	0.84	50	54.1	0.92
1128046021	3/30/2018	0.57	2.45	47.54	76.56	0.62	1.75	2.39	46.00	74.69	0.62	46	76.9	0.6
1128046038	3/30/2018	0.66	1.91	55.04	59.69	0.92	2.31	1.95	66.79	60.94	1.10	58	55.9	1.04
1128047001	3/31/2018	0.26	2.38	21.68	74.38	0.29	1.45	2.49	34.85	77.81	0.45	28	74.4	0.38

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1128047058	3/31/2018	0.21	1.69	17.51	52.81	0.33	1.48	1.71	35.97	53.44	0.67	28	53.8	0.52
1127029104	4/1/2018	1.26	2.20	105.08	68.75	1.53	2.37	2.12	69.02	66.25	1.04	105	66.9	1.57
1127032052	4/1/2018	0.17	0.51	14.18	15.94	0.89	1.2	0.52	25.57	16.25	1.57	24	15.9	1.51
1127032053	4/1/2018	0.22	0.85	18.35	26.56	0.69	1.58	0.83	39.68	25.94	1.53	31	24.1	1.29
1127036033	4/1/2018	0.60	1.43	50.04	44.69	1.12	2.41	1.4	70.51	43.75	1.61	59	45.6	1.29
1127036094	4/1/2018	0.34	1.17	28.36	36.56	0.78	1.75	1.11	46.00	34.69	1.33	39	35.9	1.09
1127041001	4/12/2018	0.72	3.30	60.05	103.13	0.58	1.46	3.25	35.22	101.56	0.35	59	106.6	0.55
1127041019	4/12/2018	0.94	1.81	78.40	56.56	1.39	1.96	1.93	53.79	60.31	0.89	78	56.6	1.38
1127041069	4/12/2018	0.99	1.92	82.57	60.00	1.38	1.84	1.94	49.34	60.63	0.81	78	64.1	1.22
1127041043	4/16/2018	1.00	2.24	83.40	70.00	1.19	2.89	2.21	88.33	69.06	1.28	89	69.4	1.28
1127041045	4/16/2018	1.01	2.35	84.23	73.44	1.15	2.68	2.22	80.54	69.38	1.16	81	70.3	1.15
1127041050	4/16/2018	0.87	2.59	72.56	80.94	0.90	2.57	2.54	76.45	79.38	0.96	72	77.5	0.93
1127041295	4/16/2018	0.73	1.51	60.88	47.19	1.29	2.34	1.55	67.91	48.44	1.40	65	50.3	1.29
1126004046	4/18/2018	0.95	1.20	79.23	37.50	2.11	3.25	1.23	101.71	38.44	2.65	114	37.8	3.01
1126004060	4/18/2018	0.29	0.73	24.19	22.81	1.06	1.35	0.88	31.14	27.50	1.13	33	26.3	1.26
1126004099	4/18/2018	0.29	0.59	24.19	18.44	1.31	1.93	0.57	52.68	17.81	2.96	36	19.1	1.89
1126004113	4/18/2018	0.52	0.21	43.37	6.56	6.61	1.05	0.62	20.00	19.38	1.03	29	18.8	1.55
1126004139	4/18/2018	0.27	0.50	22.52	15.63	1.44	1.24	0.53	27.05	16.56	1.63	34	15.3	2.22
1126004150	4/18/2018	0.22	0.57	18.35	17.81	1.03	1.15	0.62	23.71	19.38	1.22	30	20	1.5
1126010214	4/18/2018	0.57	1.39	47.54	43.44	1.09	1.97	1.44	54.17	45.00	1.20	54	45	1.2
1126010225	4/18/2018	0.57	0.90	47.54	28.13	1.69	2.07	0.88	57.88	27.50	2.10	55	27.8	1.98
1126004165	4/19/2018	0.55	0.86	45.87	26.88	1.71	1.96	0.85	53.79	26.56	2.03	54	28.8	1.88
1127042024	4/19/2018	0.30	1.90	25.02	59.38	0.42	1.72	1.8	44.88	56.25	0.80	37	57.2	0.65
1127042149	4/19/2018	0.20	1.84	16.68	57.50	0.29	1.15	1.79	23.71	55.94	0.42	29	59.1	0.49
1127042150	4/19/2018	0.28	1.31	23.35	40.94	0.57	1.66	1.34	42.65	41.88	1.02	36	41.3	0.87
1230003193	4/19/2018	0.17	1.99	14.18	62.19	0.23	0.76	1.83	9.23	57.19	0.16	18	58.1	0.31
1230003195	4/19/2018	0.19	2.56	15.85	80.00	0.20	1.15	2.44	23.71	76.25	0.31	26	82.5	0.32
1230003198	4/19/2018	0.54	2.77	45.04	86.56	0.52	1.77	2.6	46.74	81.25	0.58	50	86.9	0.58
1230003213	4/19/2018	0.21	2.76	17.51	86.25	0.20	0.92	2.62	15.17	81.88	0.19	24	80.6	0.3
1126005010	4/20/2018	0.36	0.67	30.02	20.94	1.43	1.53	0.76	37.82	23.75	1.59	39	24.1	1.62
1126005030	4/20/2018	0.48	0.82	40.03	25.63	1.56	1.65	0.81	42.28	25.31	1.67	48	25	1.92
1126010001	4/20/2018	0.34	0.48	28.36	15.00	1.89	1.33	0.51	30.40	15.94	1.91	34	16.3	2.09
1126010140	4/20/2018	0.85	1.13	70.89	35.31	2.01	2.44	1.11	71.62	34.69	2.06	75	35.9	2.09
1126010143	4/20/2018	0.70	1.35	58.38	42.19	1.38	2.1	1.35	58.99	42.19	1.40	65	45.3	1.43
1126010161	4/20/2018	0.46	0.45	38.36	14.06	2.73	1.59	0.44	40.05	13.75	2.91	42	14.1	2.99
1126010188	4/20/2018	0.68	1.10	56.71	34.38	1.65	2.27	1.13	65.31	35.31	1.85	62	36.3	1.71
1127042001	4/20/2018	0.51	1.40	42.53	43.75	0.97	1.7	1.35	44.14	42.19	1.05	44	41.6	1.06
1127042208	4/20/2018	0.16	1.81	13.34	56.56	0.24	0.63	1.8	4.40	56.25	0.08	17	56.3	0.3
1230003220	4/20/2018	0.56	2.83	46.70	88.44	0.53	2.05	2.67	57.14	83.44	0.68	53	85.3	0.62
1230003996	4/20/2018	0.65	2.61	54.21	81.56	0.66	2.08	2.44	58.25	76.25	0.76	59	78.4	0.75
1230004131	4/20/2018	0.26	1.99	21.68	62.19	0.35	1.13	1.95	22.97	60.94	0.38	30	64.7	0.46
1127042113	4/21/2018	0.29	1.95	24.19	60.94	0.40	1.89	1.98	51.19	61.88	0.83	37	61.6	0.6
1230003232	4/21/2018	0.50	1.52	41.70	47.50	0.88	1.41	1.49	33.37	46.56	0.72	45	45.6	0.99
1230004104	4/21/2018	0.71	2.04	59.21	63.75	0.93	2.15	1.94	60.85	60.63	1.00	64	60.9	1.05

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1230004105	4/21/2018	0.43	2.13	35.86	66.56	0.54	1.47	2.09	35.60	65.31	0.55	44	65	0.68
1230004119	4/21/2018	0.51	2.21	42.53	69.06	0.62	1.77	2.07	46.74	64.69	0.72	49	67.2	0.73
1230004142	4/21/2018	0.57	2.54	47.54	79.38	0.60	1.76	2.38	46.37	74.38	0.62	53	75.9	0.7
1126011219	4/22/2018	0.64	0.72	53.38	22.50	2.37	1.86	0.71	50.08	22.19	2.26	57	21.6	2.64
1126011231	4/22/2018	0.47	0.19	39.20	5.94	6.60	1.65	0.2	42.28	6.25	6.76	46	5.6	8.18
1230004064	4/22/2018	0.89	2.33	74.23	72.81	1.02	2.14	2.44	60.48	76.25	0.79	74	74.1	1
1230004076	4/22/2018	0.27	1.78	22.52	55.63	0.40	1.12	1.91	22.60	59.69	0.38	27	55.3	0.49
1126011001	4/23/2018	0.57	0.81	47.54	25.31	1.88	1.64	0.77	41.91	24.06	1.74	48	23.4	2.05
1126011149	4/23/2018	0.21	1.37	17.51	42.81	0.41	0.75	1.33	8.86	41.56	0.21	26	42.2	0.62
1126011118	4/25/2018	0.31	0.27	25.85	8.44	3.06	1.18	0.28	24.83	8.75	2.84	33	8.4	3.91
1126011119	4/25/2018	0.26	0.68	21.68	21.25	1.02	0.97	0.72	17.03	22.50	0.76	30	21.3	1.41
1126011131	4/25/2018	0.49	0.68	40.87	21.25	1.92	1.71	0.79	44.51	24.69	1.80	44	24.4	1.81
1230003305	4/25/2018	0.26	2.16	21.68	67.50	0.32	1.08	2.25	21.11	70.31	0.30	26	71.3	0.36
1230004037	4/25/2018	0.86	1.68	71.72	52.50	1.37	2.23	1.73	63.82	54.06	1.18	72	54.1	1.33
1230004050	4/25/2018	0.88	1.86	73.39	58.13	1.26	2.27	2.04	65.31	63.75	1.02	74	60.6	1.22
1230004058	4/25/2018	0.68	1.44	56.71	45.00	1.26	2.09	1.52	58.62	47.50	1.23	59	44.7	1.32
1126012051	4/26/2018	0.22	0.63	18.35	19.69	0.93	1.78	0.23	47.11	7.19	6.55	48	6.6	7.31
1126012059	4/26/2018	0.35	0.82	29.19	25.63	1.14	1.18	0.85	24.83	26.56	0.93	34	24.1	1.41
1126012077	4/26/2018	0.39	0.64	32.53	20.00	1.63	1.58	0.69	39.68	21.56	1.84	46	20.9	2.2
1126012066	4/27/2018	0.17	1.16	14.18	36.25	0.39	0.8	1.34	10.71	41.88	0.26	24	40.6	0.59
1126012086	4/27/2018	0.48	0.23	40.03	7.19	5.57	1.85	0.24	49.71	7.50	6.63	49	6.6	7.47
1126012085	4/28/2018	0.23	0.35	19.18	10.94	1.75	0.98	0.38	17.40	11.88	1.47	29	10.9	2.65
1126012106	4/28/2018	0.44	0.46	36.70	14.38	2.55	1.53	0.47	37.82	14.69	2.58	47	14.4	3.27
1126012133	4/28/2018	0.62	0.52	51.71	16.25	3.18	2.15	0.53	60.85	16.56	3.67	53	15	3.53
1126007040	4/30/2018	0.97	1.33	80.90	41.56	1.95	2.57	1.33	76.45	41.56	1.84	73	39.7	1.84
1126007092	4/30/2018	0.90	1.18	75.06	36.88	2.04	2.33	1.24	67.54	38.75	1.74	73	36.6	2
1126007155	5/2/2018	0.66	0.71	55.04	22.19	2.48	2.3	0.75	66.42	23.44	2.83	56	21.3	2.64
1126019035	5/6/2018	0.62	1.77	51.71	55.31	0.93	2.09	1.81	58.62	56.56	1.04	53	53.1	1
1126019253	5/6/2018	0.43	1.60	35.86	50.00	0.72	1.67	1.71	43.02	53.44	0.81	40	50.6	0.79
1126018034	5/7/2018	0.15	1.32	12.51	41.25	0.30	1.01	1.34	18.51	41.88	0.44	21	39.4	0.53
1126019221	5/8/2018	0.62	1.41	51.71	44.06	1.17	2.32	1.45	67.16	45.31	1.48	56	43.1	1.3
1126019132	5/9/2018	0.50	0.71	41.70	22.19	1.88	2.35	1.19	68.28	37.19	1.84	60	35.6	1.68
1126019162	5/9/2018	0.54	0.93	45.04	29.06	1.55	1.91	1.05	51.94	32.81	1.58	47	29.7	1.58
1126019136	5/10/2018	0.60	0.48	50.04	15.00	3.34	2.44	0.55	71.62	17.19	4.17	59	15.3	3.85
1127039112	5/10/2018	0.62	1.57	51.71	49.06	1.05	2.16	1.68	61.22	52.50	1.17	54	50	1.08
1127039013	5/11/2018	1.10	1.86	91.74	58.13	1.58	2.69	1.88	80.91	58.75	1.38	83	55.6	1.49
1127039037	5/11/2018	1.00	2.34	83.40	73.13	1.14	2.44	2.39	71.62	74.69	0.96	78	68.4	1.14
1126024147	5/13/2018	0.42	1.51	35.03	47.19	0.74	1.89	1.59	51.19	49.69	1.03	40	47.2	0.85
1126021148	5/17/2018	1.07	2.06	89.24	64.38	1.39	3.44	2.12	108.76	66.25	1.64	77	61.9	1.24
1126025102	5/26/2018	1.18	2.74	98.41	85.63	1.15	3.81	2.64	122.50	82.50	1.48	85	89.1	0.95
1126025152	5/26/2018	0.48	0.48	40.03	15.00	2.67	1.79	0.5	47.48	15.63	3.04	46	15.3	3
1126025170	5/26/2018	0.44	0.88	36.70	27.50	1.33	2.04	0.91	56.77	28.44	2.00	43	27.2	1.58
1126025200	5/26/2018	0.32	0.92	26.69	28.75	0.93	1.88	0.98	50.82	30.63	1.66	36	29.4	1.23
1125006067	5/27/2018	0.33	0.70	27.52	21.88	1.26	1.43	0.72	34.11	22.50	1.52	35	19.7	1.78

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1125006073	5/27/2018	0.43	1.01	35.86	31.56	1.14	2.03	1.03	56.39	32.19	1.75	47	31.3	1.5
1125006077	5/27/2018	0.30	0.46	25.02	14.38	1.74	1.24	0.47	27.05	14.69	1.84	31	13.4	2.31
1126025130	5/27/2018	0.76	1.60	63.38	50.00	1.27	3.08	1.88	95.39	58.75	1.62	71	57.8	1.23
1126025185	5/27/2018	0.45	0.83	37.53	25.94	1.45	2.18	0.86	61.97	26.88	2.31	45	25.6	1.76
1128036001	5/28/2018	0.88	0.77	73.39	24.06	3.05	2.4	0.73	70.14	22.81	3.07	76	23.1	3.29
1125006047	5/30/2018	0.16	1.31	13.34	40.94	0.33	1.48	1.33	35.97	41.56	0.87	25	38.4	0.65
1125006056	5/30/2018	0.28	0.86	23.35	26.88	0.87	2.18	0.93	61.97	29.06	2.13	32	27.2	1.18
1125005003	5/31/2018	0.47	0.64	39.20	20.00	1.96	2.53	0.69	74.96	21.56	3.48	49	19.1	2.57
1125005035	5/31/2018	0.56	0.41	46.70	12.81	3.65	2.73	0.45	82.39	14.06	5.86	53	13.1	4.04
1125006014	5/31/2018	1.23	0.97	102.58	30.31	3.38	3.69	0.92	118.05	28.75	4.11	145	26.9	5.4
1125006018	5/31/2018	0.09	1.15	7.51	35.94	0.21	0.72	1.22	7.74	38.13	0.20	13	35.3	0.37
1126020003	5/31/2018	0.19	1.80	15.85	56.25	0.28	0.78	1.73	9.97	54.06	0.18	21	53.4	0.39
1126020027	5/31/2018	0.25	1.16	20.85	36.25	0.58	1.3	1.19	29.28	37.19	0.79	25	37.2	0.67
1126020060	5/31/2018	0.70	1.66	58.38	51.88	1.13	1.77	1.67	46.74	52.19	0.90	55	51.6	1.07
1126020084	5/31/2018	0.45	1.26	37.53	39.38	0.95	1.72	1.32	44.88	41.25	1.09	41	37.2	1.1
1126020246	5/31/2018	0.17	1.93	14.18	60.31	0.24	0.63	1.81	4.40	56.56	0.08	18	55.3	0.33
1125005070	6/1/2018	0.41	1.37	34.19	42.81	0.80	1.41	1.3	33.37	40.63	0.82	40	44.4	0.9
1125005083	6/1/2018	0.37	1.76	30.86	55.00	0.56	1.42	1.73	33.74	54.06	0.62	38	51.6	0.74
1125006023	6/1/2018	0.47	0.77	39.20	24.06	1.63	1.96	0.79	53.79	24.69	2.18	47	21.9	2.15
1126020122	6/1/2018	0.66	1.57	55.04	49.06	1.12	1.6	1.53	40.42	47.81	0.85	51	46.6	1.1
1126020123	6/1/2018	0.63	1.59	52.54	49.69	1.06	1.79	1.55	47.48	48.44	0.98	50	48.1	1.04
1126020210	6/1/2018	0.84	1.34	70.06	41.88	1.67	2.1	1.36	58.99	42.50	1.39	66	36.3	1.82
1125003036	6/2/2018	0.35	0.41	29.19	12.81	2.28	1.28	0.41	28.54	12.81	2.23	35	12.8	2.73
1126026002	6/2/2018	0.43	0.12	35.86	3.75	9.56	1.3	0.11	29.28	3.44	8.52	37	3.8	9.87
1126026133	6/2/2018	0.33	1.28	27.52	40.00	0.69	1.59	1.27	40.05	39.69	1.01	34	40	0.85
1126026135	6/2/2018	0.54	0.44	45.04	13.75	3.28	2.68	0.44	80.54	13.75	5.86	52	14.4	3.62
1126026168	6/2/2018	0.43	0.99	35.86	30.94	1.16	2.12	0.95	59.74	29.69	2.01	40	26.3	1.52
1125003005	6/3/2018	0.30	0.50	25.02	15.63	1.60	1.13	0.52	22.97	16.25	1.41	34	14.4	2.37
1126026273	6/3/2018	0.36	0.97	30.02	30.31	0.99	1.52	0.98	37.45	30.63	1.22	36	30.3	1.19
1125003002	6/4/2018	0.38	0.36	31.69	11.25	2.82	1.42	0.35	33.74	10.94	3.08	38	10.3	3.68
1125005046	6/5/2018	0.40	1.13	33.36	35.31	0.94	2.25	1.13	64.57	35.31	1.83	45	32.8	1.37
1125004028	6/6/2018	0.40	0.29	33.36	9.06	3.68	1.65	0.31	42.28	9.69	4.36	43	8.8	4.91
1125005037	6/6/2018	0.61	0.18	50.87	5.63	9.04	2.1	0.16	58.99	5.00	11.80	56	4.7	11.95
1125004013	6/7/2018	0.48	0.18	40.03	5.63	7.12	1.79	0.18	47.48	5.63	8.44	49	5.3	9.22
1125004031	6/7/2018	0.43	0.66	35.86	20.63	1.74	1.49	0.68	36.34	21.25	1.71	40	20.6	1.94
1125004034	6/9/2018	0.89	3.67	74.23	114.69	0.65	3.05	3.39	94.28	105.94	0.89	71	108.8	0.65
1126028015	6/9/2018	0.54	1.92	45.04	60.00	0.75	1.28	1.94	28.54	60.63	0.47	46	53.4	0.86
1126027030	6/11/2018	1.37	2.42	114.26	75.63	1.51	2.88	2.34	87.96	73.13	1.20	105	75.6	1.39
1126027047	6/11/2018	1.18	2.64	98.41	82.50	1.19	2.19	2.69	62.34	84.06	0.74	77	80	0.96
1126027130	6/11/2018	0.93	2.08	77.56	65.00	1.19	2.27	2.08	65.31	65.00	1.00	77	62.5	1.23
1126027142	6/11/2018	0.23	1.42	19.18	44.38	0.43	0.84	1.35	12.20	42.19	0.29	22	42.2	0.52
1126027164	6/12/2018	1.24	2.57	103.42	80.31	1.29	2.6	2.52	77.56	78.75	0.98	106	77.2	1.37
1125007012	6/14/2018	1.12	2.69	93.41	84.06	1.11	3.54	2.38	112.48	74.38	1.51	150	81.9	1.83
1125007029	6/14/2018	0.59	0.90	49.21	28.13	1.75	2.48	0.9	73.11	28.13	2.60	57	25.9	2.2

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1125007036	6/14/2018	0.97	2.76	80.90	86.25	0.94	3.08	2.58	95.39	80.63	1.18	135	85	1.59
1125007089	6/14/2018	0.58	1.13	48.37	35.31	1.37	2.14	1.13	60.48	35.31	1.71	54	35.6	1.52
1126026150	6/14/2018	0.99	1.58	82.57	49.38	1.67	2.16	1.62	61.22	50.63	1.21	78	49.1	1.59
1126027004	6/14/2018	0.84	0.79	70.06	24.69	2.84	2.68	0.8	80.54	25.00	3.22	71	25.6	2.77
1126027009	6/14/2018	0.66	1.19	55.04	37.19	1.48	2.2	1.23	62.71	38.44	1.63	58	38.4	1.51
1126027201	6/14/2018	1.27	2.25	105.92	70.31	1.51	2.47	2.35	72.74	73.44	0.99	101	65.3	1.55
1126027217	6/14/2018	0.95	2.16	79.23	67.50	1.17	2.25	2.1	64.57	65.63	0.98	73	64.1	1.14
1126030042	6/15/2018	0.32	2.06	26.69	64.38	0.41	1.06	2.01	20.37	62.81	0.32	30	63.4	0.47
1126030119	6/16/2018	0.45	1.68	37.53	52.50	0.71	1.35	1.73	31.14	54.06	0.58	42	52.5	0.8
1125008148	6/17/2018	0.50	1.45	41.70	45.31	0.92	1.81	1.44	48.22	45.00	1.07	50	42.8	1.17
1126029503	6/20/2018	0.94	1.69	78.40	52.81	1.48	2.04	1.66	56.77	51.88	1.09	75	48.4	1.55
1126029504	6/20/2018	0.85	1.52	70.89	47.50	1.49	1.77	1.47	46.74	45.94	1.02	62	43.4	1.43
1126029606	6/20/2018	1.02	1.96	85.07	61.25	1.39	1.86	1.97	50.08	61.56	0.81	76	60.6	1.25
1125008171	6/21/2018	0.41	0.42	34.19	13.13	2.61	1.45	0.41	34.85	12.81	2.72	41	12.2	3.36
1126029029	6/21/2018	0.77	2.31	64.22	72.19	0.89	1.86	2.2	50.08	68.75	0.73	66	70.3	0.94
1126029030	6/21/2018	0.97	2.06	80.90	64.38	1.26	2.08	1.99	58.25	62.19	0.94	81	61.6	1.32
1126029517	6/21/2018	0.47	2.95	39.20	92.19	0.43	1.35	2.6	31.14	81.25	0.38	42	85	0.49
1125008203	6/22/2018	0.51	0.22	42.53	6.88	6.19	2.03	0.23	56.39	7.19	7.85	53	6.6	8.08
1126029012	6/22/2018	0.71	2.45	59.21	76.56	0.77	1.72	2.44	44.88	76.25	0.59	60	78.4	0.76
1125008173	6/23/2018	0.45	0.30	37.53	9.38	4.00	1.65	0.31	42.28	9.69	4.36	46	9.4	4.91
1126032401	6/24/2018	0.30	1.77	25.02	55.31	0.45	1.92	1.82	52.31	56.88	0.92	34	51.6	0.66
1126032415	6/24/2018	0.22	3.16	18.35	98.75	0.19	0.73	3.12	8.11	97.50	0.08	20	95.9	0.21
1126032447	6/24/2018	0.29	1.91	24.19	59.69	0.41	1.65	2.07	42.28	64.69	0.65	29	58.4	0.5
1125019411	6/26/2018	0.57	0.66	47.54	20.63	2.30	1.69	0.7	43.77	21.88	2.00	50	21.3	2.35
1126032004	6/26/2018	0.29	2.02	24.19	63.13	0.38	1.77	1.99	46.74	62.19	0.75	37	62.2	0.59
1126033026	6/26/2018	0.18	1.81	15.01	56.56	0.27	1.71	1.86	44.51	58.13	0.77	28	47.8	0.59
1126033505	6/26/2018	0.32	2.14	26.69	66.88	0.40	1.72	2.23	44.88	69.69	0.64	32	67.5	0.47
1125019056	6/27/2018	0.51	0.56	42.53	17.50	2.43	1.55	0.56	38.57	17.50	2.20	42	17.8	2.36
1125019018	6/29/2018	0.62	1.34	51.71	41.88	1.23	1.7	1.33	44.14	41.56	1.06	52	41.9	1.24
1125019098	6/29/2018	0.92	0.65	76.73	20.31	3.78	2.83	0.65	86.11	20.31	4.24	77	20.6	3.73
1125019163	6/30/2018	0.42	1.11	35.03	34.69	1.01	1.16	1.04	24.08	32.50	0.74	35	31.9	1.1
1125020136	6/30/2018	0.60	0.87	50.04	27.19	1.84	2.12	0.87	59.74	27.19	2.20	55	25.3	2.17
1125023005	7/1/2018	0.94	0.91	78.40	28.44	2.76	2.28	0.86	65.68	26.88	2.44	75	28.4	2.64
1125023147	7/1/2018	0.74	3.77	61.72	117.81	0.52	1.71	3.23	44.51	100.94	0.44	99	106.6	0.93
1125020001	7/3/2018	0.73	0.92	60.88	28.75	2.12	2.02	1.08	56.02	33.75	1.66	62	34.4	1.8
1125020157	7/3/2018	0.56	0.92	46.70	28.75	1.62	1.89	0.93	51.19	29.06	1.76	52	29.7	1.75
1125020181	7/3/2018	0.62	0.66	51.71	20.63	2.51	2.06	0.63	57.51	19.69	2.92	55	20.6	2.67
1125020200	7/3/2018	0.68	0.98	56.71	30.63	1.85	1.85	0.93	49.71	29.06	1.71	50	29.4	1.7
1125023013	7/3/2018	0.63	0.20	52.54	6.25	8.41	2.26	0.19	64.94	5.94	10.94	57	5.9	9.6
1125023019	7/3/2018	1.38	2.08	115.09	65.00	1.77	4.34	2	142.19	62.50	2.28	171	66.6	2.57
1125023107	7/3/2018	0.36	2.10	30.02	65.63	0.46	1.72	1.91	44.88	59.69	0.75	35	65	0.54
1125023167	7/3/2018	0.93	0.29	77.56	9.06	8.56	2.6	0.29	77.56	9.06	8.56	70	9.1	7.72
1125023187	7/3/2018	1.03	3.81	85.90	119.06	0.72	3.27	3.34	102.45	104.38	0.98	72	112.2	0.64
1125023208	7/5/2018	0.68	1.13	56.71	35.31	1.61	1.91	1.17	51.94	36.56	1.42	52	34.1	1.53

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1125016107	7/8/2018	0.14	0.92	11.68	28.75	0.41	0.88	0.95	13.68	29.69	0.46	18	29.4	0.61
1125012115	7/9/2018	0.20	0.41	16.68	12.81	1.30	1.32	0.44	30.02	13.75	2.18	28	11.9	2.36
1125012095	7/11/2018	0.37	1.12	30.86	35.00	0.88	1.61	1.12	40.80	35.00	1.17	41	33.8	1.21
1125012113	7/11/2018	0.35	0.50	29.19	15.63	1.87	1.54	0.6	38.20	18.75	2.04	36	17.8	2.02
1125012152	7/11/2018	0.18	0.81	15.01	25.31	0.59	1.11	0.8	22.23	25.00	0.89	25	24.4	1.03
1125012156	7/11/2018	0.53	1.73	44.20	54.06	0.82	1.57	1.69	39.31	52.81	0.74	45	50.9	0.88
1125012174	7/11/2018	0.44	1.12	36.70	35.00	1.05	1.58	1.15	39.68	35.94	1.10	44	35.6	1.24
1125012201	7/11/2018	0.84	1.34	70.06	41.88	1.67	2.01	1.33	55.65	41.56	1.34	67	39.4	1.7
1125011137	7/15/2018	0.70	1.25	58.38	39.06	1.49	2.43	1.33	71.25	41.56	1.71	63	41.6	1.52
1125011056	7/16/2018	0.86	1.34	71.72	41.88	1.71	2.57	1.36	76.45	42.50	1.80	75	42.2	1.78
1125017229	7/16/2018	1.11	1.80	92.57	56.25	1.65	2.27	1.76	65.31	55.00	1.19	80	53.4	1.5
1125017016	7/17/2018	0.66	2.46	55.04	76.88	0.72	1.3	2.37	29.28	74.06	0.40	52	73.8	0.71
1125017157	7/17/2018	0.43	2.16	35.86	67.50	0.53	0.92	2.25	15.17	70.31	0.22	33	70.3	0.47
1125011126	7/18/2018	0.68	1.80	56.71	56.25	1.01	2.22	1.8	63.45	56.25	1.13	60	58.1	1.03
1125017136	7/18/2018	0.46	2.37	38.36	74.06	0.52	0.65	2.31	5.14	72.19	0.07	20	74.1	0.27
1125018309	7/19/2018	0.62	1.56	51.71	48.75	1.06	2.05	1.57	57.14	49.06	1.16	53	48.4	1.09
1125027010	7/20/2018	0.98	1.30	81.73	40.63	2.01	3.01	1.32	92.79	41.25	2.25	91	38.8	2.35
1125027052	7/20/2018	0.22	1.33	18.35	41.56	0.44	1.77	1.33	46.74	41.56	1.12	31	40.3	0.77
1125025144	7/22/2018	0.59	1.88	49.21	58.75	0.84	1.63	1.87	41.54	58.44	0.71	50	56.9	0.88
1125025159	7/22/2018	0.67	1.75	55.88	54.69	1.02	1.75	1.92	46.00	60.00	0.77	57	57.2	1
1125027008	7/22/2018	0.66	1.52	55.04	47.50	1.16	2.27	1.57	65.31	49.06	1.33	59	50.3	1.17
1125027174	7/22/2018	0.54	1.78	45.04	55.63	0.81	1.95	1.9	53.42	59.38	0.90	49	58.4	0.84
1125027188	7/22/2018	0.34	1.67	28.36	52.19	0.54	1.2	1.66	25.57	51.88	0.49	30	51.6	0.58
1125027130	7/23/2018	0.66	1.81	55.04	56.56	0.97	2.27	1.84	65.31	57.50	1.14	59	57.8	1.02
1125025407	7/24/2018	1.01	2.04	84.23	63.75	1.32	2.39	2.03	69.76	63.44	1.10	75	63.4	1.18
1125025411	7/24/2018	0.73	1.44	60.88	45.00	1.35	1.77	2.07	46.74	64.69	0.72	49	63.4	0.77
1124001281	7/27/2018	0.67	1.07	55.88	33.44	1.67	2.23	1.14	63.82	35.63	1.79	59	33.4	1.76
1125027220	7/27/2018	0.65	1.98	54.21	61.88	0.88	2.18	1.97	61.97	61.56	1.01	55	60	0.92
1125027226	7/27/2018	0.74	1.83	61.72	57.19	1.08	2.42	1.85	70.88	57.81	1.23	61	56.9	1.07
1125027244	7/27/2018	0.68	2.21	56.71	69.06	0.82	2.24	2.25	64.19	70.31	0.91	57	67.8	0.84
1124001284	7/28/2018	0.76	0.98	63.38	30.63	2.07	2.51	1.07	74.22	33.44	2.22	67	30.3	2.21
1125014012	7/31/2018	0.78	1.47	65.05	45.94	1.42	2.7	1.44	81.28	45.00	1.81	66	44.4	1.49
1125014014	7/31/2018	0.85	5.57	70.89	174.06	0.41	2.9	5.03	88.71	157.19	0.56	123	166.9	0.74
1124002054	8/1/2018	0.31	1.21	25.85	37.81	0.68	0.87	1.2	13.31	37.50	0.35	29	41.3	0.7
1125014101	8/1/2018	0.56	1.53	46.70	47.81	0.98	2.65	1.49	79.42	46.56	1.71	54	42.5	1.27
1125014116	8/1/2018	0.37	0.66	30.86	20.63	1.50	2.09	0.65	58.62	20.31	2.89	38	20.6	1.84
1124002069	8/2/2018	0.70	2.19	58.38	68.44	0.85	2.05	2.08	57.14	65.00	0.88	56	66.3	0.85
1124002090	8/2/2018	0.38	0.61	31.69	19.06	1.66	1.41	0.6	33.37	18.75	1.78	35	19.1	1.84
1125014122	8/2/2018	0.46	0.74	38.36	23.13	1.66	1.21	0.7	25.94	21.88	1.19	37	22.2	1.67
1124002006	8/3/2018	0.48	1.57	40.03	49.06	0.82	1.7	1.51	44.14	47.19	0.94	43	45.6	0.94
1124002043	8/3/2018	0.46	0.99	38.36	30.94	1.24	2.17	0.7	61.59	21.88	2.82	50	21.3	2.35
1125014127	8/3/2018	0.95	2.31	79.23	72.19	1.10	3.31	2.15	103.93	67.19	1.55	75	72.8	1.03
1124002028	8/4/2018	0.38	1.33	31.69	41.56	0.76	1.56	1.32	38.94	41.25	0.94	38	40.3	0.94
1125014158	8/4/2018	0.68	0.66	56.71	20.63	2.75	2.32	0.69	67.16	21.56	3.11	61	20.6	2.96

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1125014159	8/4/2018	0.73	0.68	60.88	21.25	2.87	2.48	0.67	73.11	20.94	3.49	66	20.3	3.25
1124003001	8/8/2018	0.76	1.76	63.38	55.00	1.15	1.94	1.77	53.05	55.31	0.96	64	53.8	1.19
1124007053	8/10/2018	0.80	0.70	66.72	21.88	3.05	2.54	0.71	75.34	22.19	3.40	70	21.9	3.2
1124007006	8/13/2018	0.29	0.71	24.19	22.19	1.09	1.37	0.68	31.88	21.25	1.50	32	23.4	1.37
1124005919	8/14/2018	0.28	1.81	23.35	56.56	0.41	1.96	1.8	53.79	56.25	0.96	29	56.6	0.51
1124007011	8/15/2018	0.33	0.95	27.52	29.69	0.93	1.64	0.91	41.91	28.44	1.47	35	27.5	1.27
1124016016	8/17/2018	0.58	1.04	48.37	32.50	1.49	1.65	1.05	42.28	32.81	1.29	43	31.3	1.38
1124016065	8/18/2018	0.66	0.85	55.04	26.56	2.07	2.05	0.8	57.14	25.00	2.29	55	23.1	2.38
1124016092	8/19/2018	0.49	1.33	40.87	41.56	0.98	1.66	1.36	42.65	42.50	1.00	41	40.3	1.02
1124016114	8/19/2018	0.52	1.12	43.37	35.00	1.24	1.75	1.12	46.00	35.00	1.31	44	32.5	1.35
1124010058	8/20/2018	0.29	1.04	24.19	32.50	0.74	0.99	1.01	17.77	31.56	0.56	25	29.4	0.85
1124010008	8/21/2018	0.56	0.68	46.70	21.25	2.20	1.54	0.68	38.20	21.25	1.80	38	20	1.9
1124010082	8/21/2018	0.34	0.47	28.36	14.69	1.93	1.36	0.45	31.51	14.06	2.24	25	13.1	1.9
1124014027	8/23/2018	0.28	0.81	23.35	25.31	0.92	1.56	1.07	38.94	33.44	1.16	30	31.6	0.95
1124014029	8/23/2018	0.44	0.49	36.70	15.31	2.40	1.72	0.51	44.88	15.94	2.82	36	14.7	2.45
1124014066	8/23/2018	0.43	0.98	35.86	30.63	1.17	2.06	0.98	57.51	30.63	1.88	37	28.4	1.3
1124014067	8/23/2018	0.89	0.79	74.23	24.69	3.01	3.09	0.8	95.76	25.00	3.83	69	23.8	2.91
1124014090	8/24/2018	1.04	1.69	86.74	52.81	1.64	3.22	1.59	100.59	49.69	2.02	134	47.5	2.82
1124017001	8/26/2018	0.18	1.39	15.01	43.44	0.35	1.39	1.43	32.62	44.69	0.73	28	44.4	0.63
1124020087	8/28/2018	0.17	1.69	14.18	52.81	0.27	1.64	1.6	41.91	50.00	0.84	31	50.6	0.61
1124020089	8/28/2018	0.19	1.57	15.85	49.06	0.32	1.8	1.56	47.85	48.75	0.98	33	47.2	0.7
1124018044	8/29/2018	0.45	1.96	37.53	61.25	0.61	2.04	1.83	56.77	57.19	0.99	49	56.3	0.87
1124020049	8/29/2018	0.28	1.34	23.35	41.88	0.56	1.92	1.34	52.31	41.88	1.25	30	37.8	0.79
1124018123	8/31/2018	0.20	1.16	16.68	36.25	0.46	0.9	1.17	14.43	36.56	0.39	23	36.9	0.62
1124013192	9/2/2018	0.67	0.13	55.88	4.06	13.75	2.32	0.14	67.16	4.38	15.35	63	3.8	16.8
1124013120	9/4/2018	0.45	0.73	37.53	22.81	1.65	1.35	0.76	31.14	23.75	1.31	42	23.8	1.77
1124012085	9/8/2018	0.76	1.03	63.38	32.19	1.97	2.14	1.02	60.48	31.88	1.90	63	31.3	2.02
1124012094	9/8/2018	0.36	0.59	30.02	18.44	1.63	1.18	0.59	24.83	18.44	1.35	38	17.2	2.21
1124012104	9/8/2018	0.48	0.96	40.03	30.00	1.33	1.56	1.03	38.94	32.19	1.21	48	31.3	1.54
1124012111	9/8/2018	0.49	1.06	40.87	33.13	1.23	1.59	1.09	40.05	34.06	1.18	45	33.8	1.33
1124012122	9/8/2018	0.45	0.97	37.53	30.31	1.24	1.54	0.95	38.20	29.69	1.29	40	26.6	1.51
1124012029	9/9/2018	0.44	0.29	36.70	9.06	4.05	1.37	0.28	31.88	8.75	3.64	41	9.1	4.52
1124012008	9/10/2018	0.86	0.61	71.72	19.06	3.76	2.36	0.62	68.65	19.38	3.54	61	18.1	3.37
1124012018	9/10/2018	0.71	0.50	59.21	15.63	3.79	1.88	0.53	50.82	16.56	3.07	49	15.6	3.14
1124012044	9/10/2018	0.48	0.46	40.03	14.38	2.78	1.69	0.5	43.77	15.63	2.80	41	14.4	2.85
1124012064	9/10/2018	0.51	0.58	42.53	18.13	2.35	1.57	0.59	39.31	18.44	2.13	44	18.1	2.43
1124023001	9/12/2018	0.76	2.08	63.38	65.00	0.98	2.05	2.02	57.14	63.13	0.91	53	62.5	0.85
1124023006	9/12/2018	0.54	2.09	45.04	65.31	0.69	1.59	1.99	40.05	62.19	0.64	39	63.4	0.61
1124023132	9/12/2018	0.62	1.85	51.71	57.81	0.89	2.27	1.79	65.31	55.94	1.17	58	55.6	1.04
1124023159	9/12/2018	0.07	1.75	5.84	54.69	0.11	1.56	1.72	38.94	53.75	0.72	15	53.8	0.28
1124023018	9/16/2018	0.46	2.00	38.36	62.50	0.61	2.32	2	67.16	62.50	1.07	44	62.2	0.71
1124023022	9/16/2018	0.22	1.71	18.35	53.44	0.34	1.75	1.67	46.00	52.19	0.88	27	51.9	0.52
1124023113	9/16/2018	0.36	1.41	30.02	44.06	0.68	1.84	1.44	49.34	45.00	1.10	38	44.1	0.86
1124024008	9/17/2018	0.29	1.04	24.19	32.50	0.74	1.13	1.07	22.97	33.44	0.69	29	30.9	0.94

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1124026125	9/20/2018	0.35	0.84	29.19	26.25	1.11	1.79	0.91	47.48	28.44	1.67	35	25	1.4
1124026138	9/20/2018	0.90	1.82	75.06	56.88	1.32	2.94	1.72	90.19	53.75	1.68	71	52.2	1.36
1124026151	9/20/2018	1.14	0.88	95.08	27.50	3.46	3.01	0.95	92.79	29.69	3.13	85	26.9	3.16
1124026168	9/20/2018	0.49	1.02	40.87	31.88	1.28	2	1.06	55.28	33.13	1.67	42	30.9	1.36
1124026226	9/20/2018	0.99	1.72	82.57	53.75	1.54	2.74	1.71	82.76	53.44	1.55	71	49.1	1.45
1124026001	9/21/2018	1.54	1.47	128.44	45.94	2.80	4.22	1.4	137.73	43.75	3.15	171	43.1	3.97
1124026016	9/21/2018	0.86	2.09	71.72	65.31	1.10	2.98	2	91.68	62.50	1.47	75	60.3	1.24
1124026140	9/21/2018	0.70	0.32	58.38	10.00	5.84	2.43	0.37	71.25	11.56	6.16	65	10.6	6.12
1124026154	9/21/2018	0.72	0.06	60.05	1.88	32.03	2.31	0.06	66.79	1.88	35.62	63	1.6	40.32
1124027001	9/21/2018	0.50	2.65	41.70	82.81	0.50	1.34	2.52	30.77	78.75	0.39	41	81.3	0.5
1124027021	9/21/2018	0.61	2.11	50.87	65.94	0.77	1.76	2.11	46.37	65.94	0.70	47	63.1	0.74
1124027032	9/21/2018	0.76	2.17	63.38	67.81	0.93	1.93	2.2	52.68	68.75	0.77	63	66.6	0.95
1124027064	9/21/2018	0.13	1.64	10.84	51.25	0.21	0.51	1.73	0.00	54.06	0.00	14	52.5	0.27
1124027088	9/21/2018	0.09	1.67	7.51	52.19	0.14	0.33	1.68	0.00	52.50	0.00	10	49.7	0.2
1124027126	9/21/2018	0.56	2.05	46.70	64.06	0.73	2.05	2	57.14	62.50	0.91	52	60.9	0.85
1124026020	9/22/2018	0.80	1.29	66.72	40.31	1.66	2.78	1.31	84.25	40.94	2.06	71	41.3	1.72
1124026029	9/22/2018	1.45	4.80	120.93	150.00	0.81	4.71	4.48	155.93	140.00	1.11	163	143.8	1.13
1124026116	9/22/2018	0.78	0.40	65.05	12.50	5.20	2.89	0.4	88.33	12.50	7.07	72	11.3	6.4
1124026119	9/22/2018	0.85	1.73	70.89	54.06	1.31	2.96	1.76	90.93	55.00	1.65	74	54.4	1.36
1124026208	9/22/2018	0.82	1.33	68.39	41.56	1.65	3.1	1.35	96.13	42.19	2.28	76	40.6	1.87
1124027074	9/22/2018	0.36	1.68	30.02	52.50	0.57	1.22	1.73	26.31	54.06	0.49	31	51.6	0.6
1123001117	9/23/2018	0.48	1.80	40.03	56.25	0.71	1.56	1.8	38.94	56.25	0.69	47	56.3	0.84
1123001157	9/23/2018	0.85	1.59	70.89	49.69	1.43	2.83	1.61	86.11	50.31	1.71	75	48.4	1.55
1123001234	9/23/2018	0.62	1.75	51.71	54.69	0.95	2.18	1.74	61.97	54.38	1.14	59	54.7	1.08
1124025107	9/23/2018	0.99	1.39	82.57	43.44	1.90	2.18	1.41	61.97	44.06	1.41	80	44.4	1.8
1124025126	9/23/2018	1.24	0.98	103.42	30.63	3.38	2.51	1.03	74.22	32.19	2.31	96	30	3.2
1124025001	9/24/2018	0.38	1.48	31.69	46.25	0.69	1.36	1.5	31.51	46.88	0.67	32	46.6	0.69
1124025119	9/24/2018	0.47	1.42	39.20	44.38	0.88	1.65	1.42	42.28	44.38	0.95	42	42.8	0.98
1123002001	9/28/2018	0.91	1.29	75.89	40.31	1.88	2.88	1.23	87.96	38.44	2.29	76	37.8	2.01
1123002014	9/28/2018	0.84	0.65	70.06	20.31	3.45	2.7	0.65	81.28	20.31	4.00	74	20.6	3.59
1123002032	9/28/2018	0.42	0.60	35.03	18.75	1.87	1.53	0.59	37.82	18.44	2.05	40	18.4	2.17
1123002037	9/30/2018	0.86	0.63	71.72	19.69	3.64	2.66	0.6	79.79	18.75	4.26	71	18.4	3.85
1123002039	9/30/2018	0.40	0.47	33.36	14.69	2.27	1.54	0.5	38.20	15.63	2.44	38	14.7	2.59
1123002040	9/30/2018	0.23	0.58	19.18	18.13	1.06	1.01	0.64	18.51	20.00	0.93	26	18.8	1.39
1123003080	9/30/2018	1.03	1.16	85.90	36.25	2.37	2.94	1.14	90.19	35.63	2.53	83	35.9	2.31
1123003100	9/30/2018	0.50	0.90	41.70	28.13	1.48	1.56	0.92	38.94	28.75	1.35	39	27.8	1.4
1123003001	10/2/2018	0.96	1.20	80.06	37.50	2.14	2.94	1.25	90.19	39.06	2.31	78	35	2.23
1123003032	10/2/2018	0.54	0.59	45.04	18.44	2.44	2.16	0.61	61.22	19.06	3.21	46	18.8	2.45
1123003046	10/2/2018	0.58	0.61	48.37	19.06	2.54	1.94	0.6	53.05	18.75	2.83	50	18.4	2.71
1123003130	10/2/2018	0.65	2.02	54.21	63.13	0.86	1.88	1.95	50.82	60.94	0.83	54	60.9	0.89
1123005025	10/7/2018	0.37	1.07	30.86	33.44	0.92	1.6	0.99	40.42	30.94	1.31	37	30.6	1.21
1123005090	10/8/2018	0.48	1.01	40.03	31.56	1.27	1.76	0.95	46.37	29.69	1.56	41	28.8	1.43
1123005100	10/8/2018	0.72	0.95	60.05	29.69	2.02	2.72	0.96	82.02	30.00	2.73	67	28.1	2.38
1123004008	10/9/2018	0.56	0.22	46.70	6.88	6.79	1.73	0.24	45.25	7.50	6.03	48	6.6	7.31

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1123004001	10/10/2018	0.38	0.50	31.69	15.63	2.03	1.18	0.5	24.83	15.63	1.59	34	15	2.27
1123013021	10/10/2018	0.28	1.01	23.35	31.56	0.74	1.62	0.99	41.17	30.94	1.33	34	29.1	1.17
1123013023	10/10/2018	0.32	1.00	26.69	31.25	0.85	1.77	1.06	46.74	33.13	1.41	37	30.6	1.21
1123013106	10/10/2018	0.13	0.86	10.84	26.88	0.40	1.62	0.88	41.17	27.50	1.50	20	29.1	0.69
1123011025	10/11/2018	0.47	0.54	39.20	16.88	2.32	1.3	0.52	29.28	16.25	1.80	38	15	2.53
1123011194	10/11/2018	0.32	1.08	26.69	33.75	0.79	0.95	1.04	16.28	32.50	0.50	25	31.9	0.78
1123011017	10/13/2018	0.42	0.59	35.03	18.44	1.90	1.48	0.6	35.97	18.75	1.92	35	17.8	1.96
1123011109	10/13/2018	0.43	1.25	35.86	39.06	0.92	1.37	1.23	31.88	38.44	0.83	36	37.2	0.97
1123011149	10/13/2018	0.44	0.35	36.70	10.94	3.36	1.4	0.36	33.00	11.25	2.93	39	10.3	3.78
1123011163	10/13/2018	0.50	1.17	41.70	36.56	1.14	1.62	1.16	41.17	36.25	1.14	39	35.6	1.09
1123006079	10/14/2018	0.78	1.22	65.05	38.13	1.71	2.85	1.17	86.85	36.56	2.38	67	36.3	1.85
1123008032	10/23/2018	1.07	1.84	89.24	57.50	1.55	2.74	1.83	82.76	57.19	1.45	86	53.4	1.61
1123008178	10/23/2018	0.55	0.17	45.87	5.31	8.63	1.88	0.19	50.82	5.94	8.56	50	5	10
1122004035	10/26/2018	0.74	1.19	61.72	37.19	1.66	2.33	1.2	67.54	37.50	1.80	64	35.9	1.78
1122004063	10/26/2018	0.65	0.40	54.21	12.50	4.34	1.59	0.4	40.05	12.50	3.20	37	11.3	3.29
1122004075	10/26/2018	0.92	0.68	76.73	21.25	3.61	2.84	0.69	86.48	21.56	4.01	76	20.3	3.74
1123018125	10/26/2018	0.78	0.80	65.05	25.00	2.60	2.22	0.77	63.45	24.06	2.64	64	21.9	2.93
1123008129	10/27/2018	1.09	2.93	90.91	91.56	0.99	3.55	2.73	112.85	85.31	1.32	82	88.4	0.93
1123008246	10/27/2018	1.48	2.52	123.43	78.75	1.57	4.23	2.41	138.10	75.31	1.83	173	73.1	2.37
1123008250	10/28/2018	0.90	2.36	75.06	73.75	1.02	2.94	2.21	90.19	69.06	1.31	81	64.1	1.26
1122004097	10/31/2018	0.57	0.73	47.54	22.81	2.08	1.94	0.69	53.05	21.56	2.46	53	21.6	2.46
1122004103	10/31/2018	0.71	0.78	59.21	24.38	2.43	2.51	0.81	74.22	25.31	2.93	67	25.6	2.61
1123016020	10/31/2018	0.24	2.06	20.02	64.38	0.31	2.06	1.96	57.51	61.25	0.94	34	57.5	0.59
1123016169	10/31/2018	0.28	1.51	23.35	47.19	0.49	2.16	1.53	61.22	47.81	1.28	34	45.6	0.75
1123020101	11/2/2018	0.33	0.79	27.52	24.69	1.11	1.78	0.79	47.11	24.69	1.91	36	23.1	1.56
1122005016	11/3/2018	0.35	0.62	29.19	19.38	1.51	1.67	0.64	43.02	20.00	2.15	37	19.4	1.91
1122005040	11/3/2018	0.22	0.54	18.35	16.88	1.09	1.59	0.54	40.05	16.88	2.37	29	17.8	1.63
1123020165	11/3/2018	0.36	1.73	30.02	54.06	0.56	1.5	1.71	36.71	53.44	0.69	36	52.5	0.69
1122005206	11/4/2018	0.39	0.65	32.53	20.31	1.60	1.52	0.67	37.45	20.94	1.79	37	20	1.85
1122005014	11/6/2018	0.45	0.98	37.53	30.63	1.23	2.02	1.02	56.02	31.88	1.76	46	30.6	1.5
1122005082	11/7/2018	0.76	1.15	63.38	35.94	1.76	2.34	1.14	67.91	35.63	1.91	68	36.6	1.86
1122005087	11/7/2018	0.81	1.05	67.55	32.81	2.06	2.44	1.13	71.62	35.31	2.03	68	35.9	1.89
1122005211	11/7/2018	0.90	1.05	75.06	32.81	2.29	0.62	0.05	4.03	1.56	2.58	12	1.9	6.4
1123023026	11/8/2018	0.60	1.61	50.04	50.31	0.99	1.86	1.65	50.08	51.56	0.97	51	50.9	1
1123023109	11/8/2018	0.38	0.43	31.69	13.44	2.36	1.81	0.44	48.22	13.75	3.51	36	12.5	2.88
1123023148	11/8/2018	0.68	1.39	56.71	43.44	1.31	2.1	1.36	58.99	42.50	1.39	58	42.2	1.37
1123023179	11/8/2018	0.60	1.26	50.04	39.38	1.27	1.92	1.25	52.31	39.06	1.34	52	39.4	1.32
1122006012	11/9/2018	0.31	1.11	25.85	34.69	0.75	1.41	1.09	33.37	34.06	0.98	32	34.1	0.94
1122006013	11/9/2018	0.41	1.09	34.19	34.06	1.00	1.67	1.1	43.02	34.38	1.25	39	35.9	1.09
1122006025	11/9/2018	0.62	1.33	51.71	41.56	1.24	2.35	1.28	68.28	40.00	1.71	58	40.3	1.44
1122006068	11/9/2018	0.20	0.98	16.68	30.63	0.54	1.83	0.98	48.97	30.63	1.60	20	29.7	0.67
1123023033	11/9/2018	0.34	0.99	28.36	30.94	0.92	1.52	1.06	37.45	33.13	1.13	33	30.3	1.09
1122008001	11/11/2018	0.33	1.04	27.52	32.50	0.85	1.13	1.05	22.97	32.81	0.70	34	32.5	1.05
1122008014	11/11/2018	0.58	0.81	48.37	25.31	1.91	1.9	0.79	51.57	24.69	2.09	49	24.1	2.04

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1122008164	11/14/2018	0.34	1.03	28.36	32.19	0.88	1.38	1.11	32.25	34.69	0.93	32	33.4	0.96
1122009083	11/14/2018	0.16	0.89	13.34	27.81	0.48	1.77	0.92	46.74	28.75	1.63	27	27.8	0.97
1122009113	11/14/2018	0.33	0.79	27.52	24.69	1.11	1.79	0.83	47.48	25.94	1.83	37	25	1.48
1122009133	11/14/2018	0.25	1.06	20.85	33.13	0.63	1.7	1.06	44.14	33.13	1.33	34	32.8	1.04
1122009031	11/16/2018	0.54	1.03	45.04	32.19	1.40	2.06	1.09	57.51	34.06	1.69	50	33.4	1.5
1122009061	11/16/2018	0.67	0.93	55.88	29.06	1.92	2.9	0.92	88.71	28.75	3.09	106	28.4	3.73
1122011217	11/16/2018	0.42	0.17	35.03	5.31	6.59	1.36	0.18	31.51	5.63	5.60	39	5	7.8
1122009005	11/17/2018	0.64	0.30	53.38	9.38	5.69	2.59	0.32	77.19	10.00	7.72	60	8.8	6.86
1122015120	11/26/2018	1.50	2.98	125.10	93.13	1.34	4.12	2.76	134.02	86.25	1.55	178	90.6	1.96
1122019149	11/29/2018	0.37	1.11	30.86	34.69	0.89	1.92	1.06	52.31	33.13	1.58	41	32.5	1.26
1122019010	12/1/2018	0.27	1.35	22.52	42.19	0.53	1.27	1.38	28.17	43.13	0.65	30	42.5	0.71
1127013055	1/6/2018	0.41	0.48	34.19	15.00	2.28	1.37	0.45	31.88	14.06	2.27	42	14.4	2.92
1127013073	1/6/2018	0.40	0.40	33.36	12.50	2.67	1.36	0.41	31.51	12.81	2.46	40	11.3	3.56
1127013082	1/18/2018	0.49	0.42	40.87	13.13	3.11	1.68	0.41	43.40	12.81	3.39	46	13.4	3.42
1127013106	1/6/2018	0.51	0.36	42.53	11.25	3.78	1.63	0.37	41.54	11.56	3.59	44	10.9	4.02
1127013109	1/6/2018	0.64	0.45	53.38	14.06	3.80	1.9	0.47	51.57	14.69	3.51	53	14.4	3.69
1127013113	1/18/2018	0.45	0.56	37.53	17.50	2.14	1.54	0.56	38.20	17.50	2.18	44	16.6	2.66
1127013140	1/18/2018	0.41	0.38	34.19	11.88	2.88	1.39	0.39	32.62	12.19	2.68	41	11.3	3.64
1127013150	1/18/2018	0.23	0.43	19.18	13.44	1.43	0.95	0.44	16.28	13.75	1.18	27	13.1	2.06
1127018204	1/27/2018	0.97	0.92	80.90	28.75	2.81	2.59	0.98	77.19	30.63	2.52	76	27.5	2.76
1128033129	1/23/2018	0.94	1.26	78.40	39.38	1.99	2.47	1.07	72.74	33.44	2.18	71	32.5	2.18
1128033603	1/23/2018	0.67	0.17	55.88	5.31	10.52	2.5	0.16	73.85	5.00	14.77	67	4.4	15.31
1127022068	2/11/2018	0.42	0.28	35.03	8.75	4.00	1.3	0.3	29.28	9.38	3.12	40	9.7	4.13
1127022100	2/11/2018	0.52	0.35	43.37	10.94	3.97	1.67	0.38	43.02	11.88	3.62	47	10.9	4.3
1127022007	2/12/2018	0.41	0.27	34.19	8.44	4.05	1.4	0.23	33.00	7.19	4.59	42	7.2	5.84
1127022037	2/12/2018	0.41	1.86	34.19	58.13	0.59	1.4	1.82	33.00	56.88	0.58	40	57.5	0.7
1127021009	2/20/2018	0.39	0.28	32.53	8.75	3.72	1.33	0.28	30.40	8.75	3.47	40	9.1	4.41
1127021039	2/20/2018	0.59	0.20	49.21	6.25	7.87	1.69	0.22	43.77	6.88	6.37	51	6.9	7.42
1127021074	2/20/2018	0.62	0.12	51.71	3.75	13.79	1.87	0.14	50.45	4.38	11.53	51	4.1	12.55
1127021080	2/20/2018	0.56	0.36	46.70	11.25	4.15	1.4	0.37	33.00	11.56	2.85	46	10.6	4.33
1127021101	2/20/2018	0.47	0.15	39.20	4.69	8.36	1.57	0.18	39.31	5.63	6.99	45	4.7	9.6
1127021110	2/20/2018	0.41	0.38	34.19	11.88	2.88	1.25	0.41	27.43	12.81	2.14	37	12.8	2.89
1127021125	2/20/2018	0.48	0.34	40.03	10.63	3.77	1.42	0.35	33.74	10.94	3.08	42	10.9	3.84
1127021136	2/20/2018	0.45	0.23	37.53	7.19	5.22	1.47	0.26	35.60	8.13	4.38	42	8.4	4.98
1127035110	3/4/2018	2.58	1.78	215.17	55.63	3.87	5.97	1.79	202.73	55.94	3.62	237	53.4	4.44
1127035405	3/5/2018	0.57	0.71	47.54	22.19	2.14	1.87	0.72	50.45	22.50	2.24	51	22.5	2.27
1126001124	3/8/2018	0.52	0.34	43.37	10.63	4.08	1.73	0.35	45.25	10.94	4.14	54	9.7	5.57
1127025367	3/17/2018	0.52	0.51	43.37	15.94	2.72	1.63	0.46	41.54	14.38	2.89	48	14.4	3.34
1127025368	3/17/2018	0.48	0.28	40.03	8.75	4.58	1.56	0.27	38.94	8.44	4.61	44	8.4	5.21
1127026001	3/17/2018	0.62	0.50	51.71	15.63	3.31	1.77	0.5	46.74	15.63	2.99	53	14.4	3.69
1127026004	3/17/2018	0.34	0.23	28.36	7.19	3.95	1.04	0.2	19.63	6.25	3.14	30	6.6	4.57
1127026005	3/17/2018	0.41	0.46	34.19	14.38	2.38	1.36	0.42	31.51	13.13	2.40	33	13.8	2.4
1127026006	3/17/2018	0.54	0.50	45.04	15.63	2.88	2.02	0.5	56.02	15.63	3.59	51	14.7	3.47
1127026053	3/17/2018	0.36	0.45	30.02	14.06	2.14	1.44	0.42	34.48	13.13	2.63	32	13.1	2.44

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1127026090	3/17/2018	0.68	1.24	56.71	38.75	1.46	1.85	1.05	49.71	32.81	1.51	53	32.5	1.63
1126003026	3/18/2018	0.46	0.22	38.36	6.88	5.58	1.47	0.22	35.60	6.88	5.18	44	7.5	5.87
1126003048	3/18/2018	0.45	0.51	37.53	15.94	2.35	1.47	0.52	35.60	16.25	2.19	44	16.6	2.66
1126003120	3/18/2018	0.22	0.88	18.35	27.50	0.67	1.64	0.94	41.91	29.38	1.43	30	26.3	1.14
1126003139	3/18/2018	0.67	0.14	55.88	4.38	12.77	2.28	0.17	65.68	5.31	12.36	63	4.4	14.4
1127025421	3/18/2018	0.77	0.28	64.22	8.75	7.34	2.01	0.28	55.65	8.75	6.36	62	9.1	6.84
1126003005	3/23/2018	0.53	0.57	44.20	17.81	2.48	2.21	0.59	63.08	18.44	3.42	52	15.9	3.26
1130101131	3/24/2018	0.85	0.41	70.89	12.81	5.53	2.54	0.41	75.34	12.81	5.88	72	12.2	5.91
1130101009	3/26/2018	0.76	0.45	63.38	14.06	4.51	2.43	0.5	71.25	15.63	4.56	69	14.4	4.8
1130101067	4/4/2018	1.03	0.74	85.90	23.13	3.71	2.76	0.7	83.51	21.88	3.82	109	24.7	4.42
1126004067	4/18/2018	0.51	0.26	42.53	8.13	5.23	1.64	0.29	41.91	9.06	4.62	46	10	4.6
1126005018	4/20/2018	0.67	0.12	55.88	3.75	14.90	2.05	0.12	57.14	3.75	15.24	60	4.4	13.71
1126011011	4/23/2018	0.79	0.31	65.89	9.69	6.80	2.01	0.31	55.65	9.69	5.74	65	9.4	6.93
1126011032	4/23/2018	0.97	0.62	80.90	19.38	4.18	2.37	0.61	69.02	19.06	3.62	69	17.5	3.94
1126011104	4/26/2018	0.43	0.69	35.86	21.56	1.66	1.41	0.7	33.37	21.88	1.53	41	20.9	1.96
1126012081	4/26/2018	0.25	0.28	20.85	8.75	2.38	1.19	0.35	25.20	10.94	2.30	36	10.6	3.39
1126012094	4/26/2018	0.40	0.40	33.36	12.50	2.67	1.56	0.44	38.94	13.75	2.83	43	13.1	3.28
1130101034	4/26/2018	1.84	0.75	153.46	23.44	6.55	6.09	0.82	207.18	25.63	8.09	206	24.4	8.45
1130101047	4/26/2018	1.94	2.23	161.80	69.69	2.32	4.68	2.02	154.82	63.13	2.45	204	64.1	3.18
1130101103	4/26/2018	2.09	0.62	174.31	19.38	9.00	6.01	0.66	204.21	20.63	9.90	220	19.1	11.54
1130101110	4/26/2018	1.55	2.29	129.27	71.56	1.81	4.24	2.08	138.47	65.00	2.13	171	67.8	2.52
1126012006	4/27/2018	0.49	0.35	40.87	10.94	3.74	1.54	0.39	38.20	12.19	3.13	46	10.6	4.33
1126007003	4/30/2018	0.37	0.50	30.86	15.63	1.97	1.48	0.53	35.97	16.56	2.17	35	14.7	2.38
1126007035	4/30/2018	1.07	1.04	89.24	32.50	2.75	2.25	1.05	64.57	32.81	1.97	70	32.8	2.13
1126013015	4/30/2018	0.68	0.51	56.71	15.94	3.56	2.16	0.53	61.22	16.56	3.70	60	15.3	3.92
1126013063	4/30/2018	0.77	0.24	64.22	7.50	8.56	2.39	0.25	69.76	7.81	8.93	65	7.2	9.04
1126013064	4/30/2018	0.57	0.33	47.54	10.31	4.61	1.84	0.31	49.34	9.69	5.09	51	9.7	5.26
1126013065	4/30/2018	0.54	0.18	45.04	5.63	8.01	1.84	0.21	49.34	6.56	7.52	49	6.3	7.84
1130101038	4/30/2018	1.55	1.73	129.27	54.06	2.39	4.46	1.72	146.64	53.75	2.73	183	52.8	3.47
1126007010	5/2/2018	0.56	0.67	46.70	20.94	2.23	1.99	0.73	54.91	22.81	2.41	49	20.9	2.34
1126007030	5/2/2018	0.28	0.52	23.35	16.25	1.44	1.27	0.56	28.17	17.50	1.61	28	16.3	1.72
1126007062	5/2/2018	0.62	0.73	51.71	22.81	2.27	1.87	0.8	50.45	25.00	2.02	50	23.1	2.16
1126007082	5/2/2018	0.95	0.45	79.23	14.06	5.63	3.02	0.45	93.16	14.06	6.62	80	13.4	5.95
1126013040	5/2/2018	0.54	0.25	45.04	7.81	5.76	1.79	0.27	47.48	8.44	5.63	50	7.5	6.67
1126021023	5/18/2018	0.43	0.16	35.86	5.00	7.17	1.98	0.16	54.54	5.00	10.91	41	4.4	9.37
1126022104	5/18/2018	0.47	0.33	39.20	10.31	3.80	1.56	0.36	38.94	11.25	3.46	45	10.9	4.11
1126022073	5/19/2018	0.62	0.27	51.71	8.44	6.13	2.19	0.28	62.34	8.75	7.12	59	8.1	7.26
1126022109	5/19/2018	0.59	0.25	49.21	7.81	6.30	1.88	0.28	50.82	8.75	5.81	49	7.8	6.27
1126022145	5/21/2018	0.91	0.19	75.89	5.94	12.78	2.53	0.21	74.96	6.56	11.42	69	5.9	11.62
1126021028	5/22/2018	1.35	0.61	112.59	19.06	5.91	4.25	0.68	138.85	21.25	6.53	121	19.1	6.35
1126022001	5/22/2018	0.46	0.58	38.36	18.13	2.12	1.54	0.57	38.20	17.81	2.14	41	17.2	2.39
1126022006	5/22/2018	0.51	0.21	42.53	6.56	6.48	1.92	0.22	52.31	6.88	7.61	49	6.3	7.84
1126022016	5/22/2018	0.50	0.28	41.70	8.75	4.77	1.68	0.29	43.40	9.06	4.79	45	9.1	4.97
1126022076	5/23/2018	0.72	0.61	60.05	19.06	3.15	1.96	0.5	53.79	15.63	3.44	51	15	3.4

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1126022142	5/23/2018	0.68	0.64	56.71	20.00	2.84	1.81	0.68	48.22	21.25	2.27	50	22.5	2.22
1126022036	5/24/2018	0.54	0.40	45.04	12.50	3.60	1.71	0.4	44.51	12.50	3.56	46	12.5	3.68
1126022049	5/24/2018	0.57	0.19	47.54	5.94	8.01	1.81	0.18	48.22	5.63	8.57	48	5.6	8.53
1126022043	5/25/2018	0.61	0.24	50.87	7.50	6.78	2.11	0.29	59.37	9.06	6.55	51	7.5	6.8
1126022045	5/25/2018	0.54	0.24	45.04	7.50	6.00	1.87	0.27	50.45	8.44	5.98	48	7.8	6.14
1126025121	5/27/2018	0.82	0.64	68.39	20.00	3.42	2.78	0.66	84.25	20.63	4.08	71	19.4	3.66
1126025119	5/28/2018	0.69	0.59	57.55	18.44	3.12	2.6	0.62	77.56	19.38	4.00	61	17.5	3.49
1126025117	5/30/2018	0.93	0.93	77.56	29.06	2.67	3.17	0.95	98.73	29.69	3.33	79	27.2	2.91
1125003039	6/2/2018	0.45	0.19	37.53	5.94	6.32	1.6	0.2	40.42	6.25	6.47	42	5.9	7.07
1125004085	6/2/2018	0.54	0.51	45.04	15.94	2.83	1.8	0.51	47.85	15.94	3.00	48	15.3	3.13
1125003016	6/4/2018	0.23	0.31	19.18	9.69	1.98	0.92	0.32	15.17	10.00	1.52	27	9.1	2.98
1125003161	6/9/2018	0.49	0.46	40.87	14.38	2.84	1.61	0.48	40.80	15.00	2.72	45	13.4	3.35
1125003126	6/10/2018	0.46	0.37	38.36	11.56	3.32	1.62	0.37	41.17	11.56	3.56	44	10.9	4.02
1125003208	6/10/2018	0.62	0.55	51.71	17.19	3.01	1.66	0.58	42.65	18.13	2.35	52	16.9	3.08
1125003227	6/10/2018	0.63	0.60	52.54	18.75	2.80	2.04	0.59	56.77	18.44	3.08	59	18.8	3.15
1125003010	6/11/2018	0.43	0.67	35.86	20.94	1.71	1.39	0.67	32.62	20.94	1.56	44	20.9	2.1
1125003026	6/11/2018	0.31	0.28	25.85	8.75	2.95	1.11	0.31	22.23	9.69	2.29	34	8.8	3.89
1125003030	6/12/2018	0.56	0.21	46.70	6.56	7.12	1.7	0.19	44.14	5.94	7.43	49	5.3	9.22
1125003091	6/12/2018	0.47	0.31	39.20	9.69	4.05	1.58	0.32	39.68	10.00	3.97	44	9.7	4.54
1125007033	6/14/2018	0.84	0.14	70.06	4.38	16.01	2.48	0.12	73.11	3.75	19.50	71	3.1	22.72
1125022009	6/15/2018	0.44	0.04	36.70	1.25	29.36	1.8	0.05	47.85	1.56	30.63	43	1.6	27.52
1125022027	6/15/2018	0.74	0.41	61.72	12.81	4.82	2.32	0.43	67.16	13.44	5.00	65	13.4	4.84
1125022167	6/15/2018	0.62	0.36	51.71	11.25	4.60	1.94	0.37	53.05	11.56	4.59	50	11.6	4.32
1125021011	6/16/2018	0.57	0.33	47.54	10.31	4.61	1.87	0.35	50.45	10.94	4.61	48	9.7	4.95
1125022108	6/16/2018	1.09	0.39	90.91	12.19	7.46	2.99	0.38	92.05	11.88	7.75	77	12.5	6.16
1125022166	6/16/2018	0.70	0.29	58.38	9.06	6.44	1.84	0.29	49.34	9.06	5.44	51	8.8	5.83
1125008113	6/17/2018	0.53	1.00	44.20	31.25	1.41	1.62	0.97	41.17	30.31	1.36	49	31.3	1.57
1125021001	6/17/2018	0.40	0.37	33.36	11.56	2.89	1.17	0.35	24.45	10.94	2.24	36	9.7	3.72
1125021005	6/17/2018	0.90	0.72	75.06	22.50	3.34	2	0.68	55.28	21.25	2.60	67	20.6	3.25
1125021118	6/17/2018	0.62	0.23	51.71	7.19	7.19	1.81	0.25	48.22	7.81	6.17	52	7.2	7.23
1125021156	6/17/2018	0.60	0.42	50.04	13.13	3.81	1.73	0.43	45.25	13.44	3.37	54	11.9	4.55
1125021189	6/17/2018	0.81	0.24	67.55	7.50	9.01	2.29	0.21	66.05	6.56	10.06	68	5.3	12.8
1125021143	6/18/2018	0.58	0.25	48.37	7.81	6.19	1.63	0.24	41.54	7.50	5.54	49	7.2	6.82
1125008021	6/21/2018	0.43	0.43	35.86	13.44	2.67	1.15	0.41	23.71	12.81	1.85	38	13.1	2.9
1125008124	6/22/2018	0.58	0.35	48.37	10.94	4.42	1.71	0.34	44.51	10.63	4.19	52	10	5.2
1124007068	8/9/2018	0.49	0.37	40.87	11.56	3.53	1.92	0.39	52.31	12.19	4.29	46	11.6	3.98
1124006013	8/11/2018	0.35	0.42	29.19	13.13	2.22	1.26	0.41	27.80	12.81	2.17	36	12.8	2.81
1124007064	8/11/2018	0.50	0.44	41.70	13.75	3.03	1.62	0.48	41.17	15.00	2.74	46	15	3.07
1124007001	8/12/2018	0.69	0.45	57.55	14.06	4.09	2.08	0.42	58.25	13.13	4.44	63	12.5	5.04
1124006024	8/13/2018	0.42	0.53	35.03	16.56	2.11	1.53	0.53	37.82	16.56	2.28	39	17.5	2.23
1124007028	8/14/2018	0.33	0.52	27.52	16.25	1.69	1.19	0.49	25.20	15.31	1.65	29	16.6	1.75
1124010027	8/19/2018	0.54	0.37	45.04	11.56	3.90	1.89	0.37	51.19	11.56	4.43	51	11.3	4.53
1124010068	8/19/2018	0.42	0.31	35.03	9.69	3.62	1.34	0.32	30.77	10.00	3.08	39	9.4	4.16
1124010005	8/21/2018	0.68	0.36	56.71	11.25	5.04	2.18	0.35	61.97	10.94	5.67	57	10.3	5.53

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1124014020	8/22/2018	0.51	0.55	42.53	17.19	2.47	1.84	0.54	49.34	16.88	2.92	49	16.3	3.02
1124014016	8/23/2018	0.59	0.40	49.21	12.50	3.94	1.67	0.43	43.02	13.44	3.20	42	12.2	3.45
1124014001	8/24/2018	0.72	0.97	60.05	30.31	1.98	2.38	1.01	69.39	31.56	2.20	62	29.4	2.11
1124014003	8/24/2018	0.62	0.51	51.71	15.94	3.24	1.71	0.52	44.51	16.25	2.74	46	15.3	3
1124014014	8/24/2018	0.78	0.17	65.05	5.31	12.25	2.53	0.17	74.96	5.31	14.11	69	4.4	15.77
1124014032	8/24/2018	0.87	0.17	72.56	5.31	13.66	2.41	0.18	70.51	5.63	12.53	69	5	13.8
1124014008	8/26/2018	0.21	0.55	17.51	17.19	1.02	1.4	0.56	33.00	17.50	1.89	27	16.3	1.66
1124015013	8/29/2018	0.61	0.30	50.87	9.38	5.43	1.69	0.28	43.77	8.75	5.00	53	8.4	6.28
1124015027	8/29/2018	0.63	0.10	52.54	3.13	16.81	2.11	0.09	59.37	2.81	21.11	55	3.1	17.6
1124015152	8/29/2018	0.50	0.57	41.70	17.81	2.34	1.62	0.56	41.17	17.50	2.35	47	17.5	2.69
1124015102	8/30/2018	0.57	0.14	47.54	4.38	10.87	1.8	0.12	47.85	3.75	12.76	47	4.4	10.74
1124015201	8/30/2018	0.83	0.88	69.22	27.50	2.52	2.44	0.84	71.62	26.25	2.73	69	27.8	2.48
1124015176	8/31/2018	1.95	0.73	162.63	22.81	7.13	4.12	0.71	134.02	22.19	6.04	182	21.9	8.32
1124013169	9/2/2018	0.36	0.54	30.02	16.88	1.78	1.19	0.56	25.20	17.50	1.44	40	17.8	2.25
1124013163	9/3/2018	0.48	0.34	40.03	10.63	3.77	1.55	0.39	38.57	12.19	3.16	48	11.6	4.15
1124013172	9/3/2018	0.57	0.34	47.54	10.63	4.47	1.85	0.35	49.71	10.94	4.54	57	10.6	5.36
1124013174	9/3/2018	0.73	0.20	60.88	6.25	9.74	2.4	0.21	70.14	6.56	10.69	64	6.3	10.24
1124013024	9/4/2018	0.49	0.15	40.87	4.69	8.72	1.51	0.15	37.08	4.69	7.91	45	4.1	11.08
1124013101	9/4/2018	0.54	0.17	45.04	5.31	8.48	1.6	0.19	40.42	5.94	6.81	51	5.3	9.6
1124013001	9/5/2018	0.61	0.42	50.87	13.13	3.88	1.9	0.41	51.57	12.81	4.02	52	12.2	4.27
1124019165	9/8/2018	0.43	0.31	35.86	9.69	3.70	1.65	0.29	42.28	9.06	4.67	45	8.4	5.33
1124019103	9/9/2018	0.62	1.25	51.71	39.06	1.32	2.06	1.25	57.51	39.06	1.47	58	38.4	1.51
1124012051	9/10/2018	0.75	0.70	62.55	21.88	2.86	2.42	0.72	70.88	22.50	3.15	63	20.9	3.01
1124012001	9/11/2018	0.82	0.72	68.39	22.50	3.04	2.22	0.72	63.45	22.50	2.82	60	21.6	2.78
1124012004	9/11/2018	0.97	0.81	80.90	25.31	3.20	2.26	0.87	64.94	27.19	2.39	65	24.7	2.63
1123002067	9/30/2018	0.56	0.53	46.70	16.56	2.82	1.75	0.52	46.00	16.25	2.83	49	15	3.27
1123002091	9/30/2018	0.47	0.23	39.20	7.19	5.45	1.45	0.27	34.85	8.44	4.13	43	8.4	5.1
1123002082	10/1/2018	0.38	0.44	31.69	13.75	2.30	1.19	0.42	25.20	13.13	1.92	35	13.1	2.67
1123002106	10/1/2018	0.54	0.21	45.04	6.56	6.86	1.71	0.2	44.51	6.25	7.12	49	6.3	7.84
1123003016	10/2/2018	0.40	0.42	33.36	13.13	2.54	1.25	0.45	27.43	14.06	1.95	37	13.1	2.82
1123003041	10/2/2018	0.50	0.16	41.70	5.00	8.34	1.51	0.18	37.08	5.63	6.59	46	5	9.2
1123003119	10/2/2018	0.46	0.51	38.36	15.94	2.41	1.51	0.52	37.08	16.25	2.28	43	14.4	2.99
1123005032	10/6/2018	0.89	0.37	74.23	11.56	6.42	2.3	0.39	66.42	12.19	5.45	67	11.9	5.64
1123005059	10/6/2018	0.96	0.20	80.06	6.25	12.81	3.11	0.22	96.51	6.88	14.04	78	6.3	12.48
1123005061	10/6/2018	0.75	0.51	62.55	15.94	3.92	2.25	0.54	64.57	16.88	3.83	63	15.6	4.03
1123005086	10/6/2018	0.74	0.18	61.72	5.63	10.97	2.18	0.23	61.97	7.19	8.62	58	6.9	8.44
1123005207	10/6/2018	0.51	0.46	42.53	14.38	2.96	1.68	0.5	43.40	15.63	2.78	42	13.8	3.05
1123005102	10/7/2018	0.71	0.89	59.21	27.81	2.13	2.07	0.87	57.88	27.19	2.13	49	25.3	1.94
1123004024	10/9/2018	0.56	0.36	46.70	11.25	4.15	1.65	0.45	42.28	14.06	3.01	50	12.8	3.9
1123004153	10/9/2018	0.42	0.41	35.03	12.81	2.73	1.28	0.19	28.54	5.94	4.81	37	5.3	6.96
1123004119	10/10/2018	0.68	0.43	56.71	13.44	4.22	2.01	0.45	55.65	14.06	3.96	55	13.1	4.19
1123004157	10/10/2018	0.99	0.45	82.57	14.06	5.87	2.85	0.46	86.85	14.38	6.04	72	13.8	5.24
1123006055	10/14/2018	0.49	0.15	40.87	4.69	8.72	1.65	0.16	42.28	5.00	8.46	44	4.1	10.83
1123006072	10/14/2018	0.48	0.41	40.03	12.81	3.12	1.7	0.42	44.14	13.13	3.36	45	12.8	3.51

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1123006098	10/14/2018	0.33	0.23	27.52	7.19	3.83	1.57	0.25	39.31	7.81	5.03	34	6.6	5.18
1123006117	10/14/2018	0.71	0.54	59.21	16.88	3.51	2.12	0.54	59.74	16.88	3.54	60	15.9	3.76
1123006132	10/14/2018	0.67	0.61	55.88	19.06	2.93	2.11	0.62	59.37	19.38	3.06	57	17.8	3.2
1123006001	10/17/2018	0.77	0.92	64.22	28.75	2.23	2.26	0.92	64.94	28.75	2.26	64	28.4	2.25
1123006017	10/17/2018	0.66	0.99	55.04	30.94	1.78	2.13	0.99	60.11	30.94	1.94	57	28.8	1.98
1123006052	10/17/2018	0.49	0.35	40.87	10.94	3.74	1.69	0.36	43.77	11.25	3.89	48	10.3	4.65
1123018079	10/21/2018	0.79	0.24	65.89	7.50	8.78	2.37	0.23	69.02	7.19	9.60	67	6.9	9.75
1123018107	10/21/2018	0.82	0.34	68.39	10.63	6.44	2.39	0.34	69.76	10.63	6.57	71	10.3	6.88
1123018048	10/22/2018	0.60	0.56	50.04	17.50	2.86	2.16	0.59	61.22	18.44	3.32	60	16.6	3.62
1123008166	10/23/2018	0.48	1.21	40.03	37.81	1.06	1.36	1.18	31.51	36.88	0.85	42	37.8	1.11
1123008199	10/23/2018	0.76	0.83	63.38	25.94	2.44	1.95	0.78	53.42	24.38	2.19	56	22.8	2.45
1123008200	10/23/2018	0.61	1.03	50.87	32.19	1.58	1.75	1.02	46.00	31.88	1.44	50	32.5	1.54
1123008120	10/26/2018	1.90	1.97	158.46	61.56	2.57	4.44	1.81	145.90	56.56	2.58	204	60.3	3.38
1123008138	10/26/2018	1.40	1.66	116.76	51.88	2.25	3.29	1.67	103.19	52.19	1.98	151	49.7	3.04
1123008148	10/26/2018	0.56	0.85	46.70	26.56	1.76	1.74	0.89	45.62	27.81	1.64	48	27.5	1.75
1123008224	10/27/2018	0.88	0.60	73.39	18.75	3.91	2.23	0.61	63.82	19.06	3.35	74	17.8	4.15
1122004125	10/31/2018	0.44	0.39	36.70	12.19	3.01	1.7	0.39	44.14	12.19	3.62	45	11.3	4
1122004129	10/31/2018	0.62	0.34	51.71	10.63	4.87	2.14	0.36	60.48	11.25	5.38	57	11.3	5.07
1122005092	11/3/2018	0.43	0.63	35.86	19.69	1.82	1.8	0.63	47.85	19.69	2.43	42	19.4	2.17
1122005001	11/6/2018	0.51	0.33	42.53	10.31	4.12	1.76	0.36	46.37	11.25	4.12	48	10	4.8
1122006066	11/9/2018	0.71	0.42	59.21	13.13	4.51	2.24	0.4	64.19	12.50	5.14	57	13.1	4.34
1122009159	11/14/2018	0.49	0.59	40.87	18.44	2.22	1.77	0.61	46.74	19.06	2.45	49	18.1	2.7
1122009022	11/16/2018	0.81	0.28	67.55	8.75	7.72	3.03	0.31	93.53	9.69	9.66	73	7.8	9.34
1122009054	11/16/2018	0.60	0.63	50.04	19.69	2.54	2.06	0.64	57.51	20.00	2.88	56	17.8	3.14
1122011026	11/16/2018	0.89	0.51	74.23	15.94	4.66	2.9	0.55	88.71	17.19	5.16	78	15.3	5.09
1122011169	11/16/2018	0.58	0.33	48.37	10.31	4.69	1.88	0.36	50.82	11.25	4.52	54	10	5.4
1122011196	11/16/2018	0.40	0.36	33.36	11.25	2.97	1.35	0.39	31.14	12.19	2.55	41	11.3	3.64
1122009016	11/17/2018	0.78	0.24	65.05	7.50	8.67	2.67	0.25	80.16	7.81	10.26	70	6.6	10.67
1122011014	11/20/2018	0.50	0.48	41.70	15.00	2.78	1.53	0.54	37.82	16.88	2.24	43	15.3	2.81
1122011143	11/20/2018	0.40	0.20	33.36	6.25	5.34	1.35	0.24	31.14	7.50	4.15	39	6.3	6.24
1122011187	11/20/2018	0.49	0.42	40.87	13.13	3.11	1.64	0.42	41.91	13.13	3.19	45	12.2	3.69
1122015203	11/20/2018	0.57	0.44	47.54	13.75	3.46	1.64	0.45	41.91	14.06	2.98	50	12.8	3.9
1122016179	11/20/2018	0.83	0.51	69.22	15.94	4.34	2.69	0.53	80.91	16.56	4.88	70	15	4.67
1122011114	11/21/2018	0.44	0.48	36.70	15.00	2.45	1.29	0.52	28.91	16.25	1.78	40	14.1	2.84
1122011118	11/21/2018	0.34	0.28	28.36	8.75	3.24	1.09	0.29	21.48	9.06	2.37	34	7.8	4.35
1122015023	11/23/2018	1.20	2.31	100.08	72.19	1.39	2.98	2.11	91.68	65.94	1.39	152	65.9	2.31
1122015029	11/23/2018	0.61	1.39	50.87	43.44	1.17	1.74	1.35	45.62	42.19	1.08	51	41.6	1.23
1122015122	11/23/2018	1.59	1.28	132.61	40.00	3.32	4.03	1.27	130.67	39.69	3.29	164	39.1	4.2
1122015160	11/23/2018	0.48	0.46	40.03	14.38	2.78	1.64	0.47	41.91	14.69	2.85	45	13.8	3.27
1122015170	11/23/2018	0.70	0.11	58.38	3.44	16.98	2.31	0.11	66.79	3.44	19.43	59	2.8	20.98
1122015150	11/26/2018	0.48	0.81	40.03	25.31	1.58	1.62	0.83	41.17	25.94	1.59	44	24.4	1.81
1122015189	11/26/2018	1.07	0.07	89.24	2.19	40.79	3.08	0.06	95.39	1.88	50.88	86	1.9	45.87
1127017107	1/21/2018	0.52	1.21	43.37	37.81	1.15	2.03	1.21	56.39	37.81	1.49	58	36.9	1.57
1127017148	1/21/2018	0.18	1.34	15.01	41.88	0.36	0.82	1.3	11.45	40.63	0.28	23	41.3	0.56

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1127018064	1/30/2018	0.18	1.64	15.01	51.25	0.29	0.94	1.61	15.91	50.31	0.32	22	47.8	0.46
1127018073	1/30/2018	0.65	1.25	54.21	39.06	1.39	2.05	1.18	57.14	36.88	1.55	55	36.3	1.52
1127018084	1/27/2018	0.33	1.27	27.52	39.69	0.69	1.41	1.29	33.37	40.31	0.83	33	33.8	0.98
1127018090	1/30/2018	0.08	2.96	6.67	92.50	0.07	0.34	2.79	0.00	87.19	0.00	14	81.9	0.17
1127018092	1/30/2018	0.22	3.78	18.35	118.13	0.16	0.63	3.63	4.40	113.44	0.04	21	105.6	0.2
1127018098	1/30/2018	1.14	2.31	95.08	72.19	1.32	2.7	2.19	81.28	68.44	1.19	93	70.6	1.32
1127018108	1/30/2018	1.23	1.57	102.58	49.06	2.09	2.58	1.66	76.82	51.88	1.48	99	44.7	2.22
1127018146	1/31/2018	1.19	2.69	99.25	84.06	1.18	2.74	2.61	82.76	81.56	1.01	96	81.6	1.18
1127018153	1/31/2018	1.41	1.92	117.59	60.00	1.96	2.99	1.89	92.05	59.06	1.56	116	57.8	2.01
1127018223	1/30/2018	0.60	1.25	50.04	39.06	1.28	1.9	1.32	51.57	41.25	1.25	51	36.9	1.38
1127018241	1/30/2018	0.65	1.40	54.21	43.75	1.24	2.14	1.39	60.48	43.44	1.39	57	43.1	1.32
1127018265	1/30/2018	0.72	1.35	60.05	42.19	1.42	2.09	1.37	58.62	42.81	1.37	57	41.6	1.37
1128031001	1/18/2018	0.28	1.46	23.35	45.63	0.51	1.65	1.43	42.28	44.69	0.95	33	43.4	0.76
1128031003	1/18/2018	0.33	1.55	27.52	48.44	0.57	1.39	1.56	32.62	48.75	0.67	36	46.3	0.78
1128031020	1/18/2018	0.49	2.35	40.87	73.44	0.56	1.33	2.28	30.40	71.25	0.43	41	70.6	0.58
1128031069	1/18/2018	0.45	3.55	37.53	110.94	0.34	0.92	3.52	15.17	110.00	0.14	27	112.2	0.24
1128031083	1/18/2018	0.73	2.74	60.88	85.63	0.71	2.07	2.9	57.88	90.63	0.64	57	91.6	0.62
1128032026	1/20/2018	0.58	1.42	48.37	44.38	1.09	2.35	1.78	68.28	55.63	1.23	80	55.3	1.45
1128032075	1/20/2018	1.18	1.70	98.41	53.13	1.85	2.6	1.65	77.56	51.56	1.50	98	52.8	1.86
1130057723	1/27/2018	0.22	1.90	18.35	59.38	0.31	0.31	1.89	0.00	59.06	0.00	14	54.7	0.26
1130057729	1/25/2018	0.06	2.17	5.00	67.81	0.07	0.1	2.05	0.00	64.06	0.00	5	63.8	0.08
1130057753	1/27/2018	0.38	1.98	31.69	61.88	0.51	0.87	1.97	13.31	61.56	0.22	30	59.4	0.51
1130057771	1/25/2018	0.11	3.48	9.17	108.75	0.08	0.22	3.35	0.00	104.69	0.00	10	92.5	0.11
1130057779	1/24/2018	0.10	2.77	8.34	86.56	0.10	0.22	2.59	0.00	80.94	0.00	11	79.1	0.14
1130057786	1/24/2018	0.01	2.02	0.42	63.13	0.01	0.12	2.24	0.00	70.00	0.00	5	69.7	0.07
1130057787	1/24/2018	0.05	2.04	4.17	63.75	0.07	0.21	2.04	0.00	63.75	0.00	8	54.7	0.15
1128037194	2/6/2018	0.26	2.24	21.68	70.00	0.31	0.57	2.17	2.17	67.81	0.03	23	66.3	0.35
1128038022	2/9/2018	0.72	2.01	60.05	62.81	0.96	1.43	2	34.11	62.50	0.55	59	65	0.91
1128038026	2/9/2018	1.06	1.98	88.40	61.88	1.43	1.98	1.95	54.54	60.94	0.89	85	59.7	1.42
1128038109	2/9/2018	1.02	1.58	85.07	49.38	1.72	2.47	1.58	72.74	49.38	1.47	80	50.6	1.58
1128038126	2/9/2018	0.90	1.76	75.06	55.00	1.36	2.07	1.79	57.88	55.94	1.03	72	57.8	1.25
1128038133	2/9/2018	0.76	2.46	63.38	76.88	0.82	1.4	2.44	33.00	76.25	0.43	61	75	0.81
1127019194	2/10/2018	1.11	2.03	92.57	63.44	1.46	2.21	2.04	63.08	63.75	0.99	83	62.2	1.33
1129098228	2/11/2018	0.05	2.16	4.17	67.50	0.06	0.21	2.19	0.00	68.44	0.00	10	68.1	0.15
1129098230	2/11/2018	0.19	1.74	15.85	54.38	0.29	0.64	1.78	4.77	55.63	0.09	21	56.3	0.37
1129098237	2/11/2018	0.47	2.05	39.20	64.06	0.61	1.34	2.01	30.77	62.81	0.49	40	60.9	0.66
1129098310	2/11/2018	0.11	1.67	9.17	52.19	0.18	0.39	1.74	0.00	54.38	0.00	15	54.4	0.28
1129098339	2/11/2018	0.06	1.88	5.00	58.75	0.09	0.18	1.77	0.00	55.31	0.00	7	60.6	0.12
1129098343	2/11/2018	0.05	1.43	4.17	44.69	0.09	0.24	1.48	0.00	46.25	0.00	10	45.3	0.22
1129098363	2/11/2018	0.09	2.05	7.51	64.06	0.12	0.28	2.06	0.00	64.38	0.00	12	66.6	0.18
1129098370	2/11/2018	0.08	1.98	6.67	61.88	0.11	0.17	2.02	0.00	63.13	0.00	10	65	0.15
1129098280	2/12/2018	0.07	2.09	5.84	65.31	0.09	0.18	2.04	0.00	63.75	0.00	9	63.8	0.14
1129098334	2/12/2018	0.08	2.60	6.67	81.25	0.08	0.21	2.54	0.00	79.38	0.00	8	81.3	0.1
1129098353	2/12/2018	0.26	1.98	21.68	61.88	0.35	0.52	1.98	0.31	61.88	0.01	21	63.4	0.33

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1129052043	2/16/2018	0.48	2.57	40.03	80.31	0.50	1.03	2.47	19.25	77.19	0.25	36	81.6	0.44
1129052150	2/16/2018	0.06	2.44	5.00	76.25	0.07	0.23	2.46	0.00	76.88	0.00	10	79.1	0.13
1129053069	2/16/2018	0.88	1.09	73.39	34.06	2.15	1.86	1.26	50.08	39.38	1.27	71	40	1.78
1129053120	2/16/2018	0.95	1.45	79.23	45.31	1.75	1.71	1.48	44.51	46.25	0.96	73	45.6	1.6
1129053008	2/18/2018	0.13	4.38	10.84	136.88	0.08	0.28	4.14	0.00	129.38	0.00	13	141.3	0.09
1129053009	2/18/2018	0.26	2.69	21.68	84.06	0.26	0.48	2.61	0.00	81.56	0.00	21	94.4	0.22
1129053010	2/18/2018	0.41	3.38	34.19	105.63	0.32	0.79	3.18	10.34	99.38	0.10	33	111.9	0.29
1129053037	2/18/2018	0.08	2.53	6.67	79.06	0.08	0.19	2.47	0.00	77.19	0.00	7	81.6	0.09
1129053043	2/18/2018	0.26	1.66	21.68	51.88	0.42	0.71	1.69	7.37	52.81	0.14	25	54.7	0.46
1127024096	2/22/2018	0.71	2.02	59.21	63.13	0.94	1.43	2.02	34.11	63.13	0.54	56	67.2	0.83
1127024083	2/23/2018	0.44	2.81	36.70	87.81	0.42	0.99	2.76	17.77	86.25	0.21	37	85	0.44
1129057060	2/23/2018	0.50	2.13	41.70	66.56	0.63	0.94	2.14	15.91	66.88	0.24	42	69.4	0.61
1129057103	2/23/2018	0.35	2.21	29.19	69.06	0.42	0.64	2.09	4.77	65.31	0.07	28	69.4	0.4
1129057140	2/25/2018	0.26	2.43	21.68	75.94	0.29	0.5	2.48	0.00	77.50	0.00	21	74.1	0.28
1128039007	3/1/2018	0.85	1.65	70.89	51.56	1.37	1.74	1.98	45.62	61.88	0.74	81	66.3	1.22
1128039017	3/1/2018	1.14	1.84	95.08	57.50	1.65	2.05	1.95	57.14	60.94	0.94	85	63.4	1.34
1128039050	3/1/2018	1.11	2.24	92.57	70.00	1.32	1.96	2.23	53.79	69.69	0.77	81	74.4	1.09
1128039084	3/1/2018	1.26	2.50	105.08	78.13	1.35	2.09	2.43	58.62	75.94	0.77	100	81.9	1.22
1128042075	3/11/2018	1.17	1.66	97.58	51.88	1.88	2.68	1.73	80.54	54.06	1.49	98	51.6	1.9
1128042084	3/11/2018	1.19	1.72	99.25	53.75	1.85	2.52	1.51	74.59	47.19	1.58	96	45	2.13
1128042101	3/12/2018	0.27	1.43	22.52	44.69	0.50	0.92	1.41	15.17	44.06	0.34	28	41.9	0.67
1128042144	3/12/2018	0.20	1.88	16.68	58.75	0.28	0.87	1.95	13.31	60.94	0.22	23	59.7	0.39
1128042175	3/12/2018	0.76	1.24	63.38	38.75	1.64	2.49	1.29	73.48	40.31	1.82	67	36.9	1.82
1128044001	3/15/2018	0.21	3.45	17.51	107.81	0.16	0.42	3.34	0.00	104.38	0.00	18	104.1	0.17
1128044002	3/15/2018	0.12	2.70	10.01	84.38	0.12	0.29	2.49	0.00	77.81	0.00	14	76.3	0.18
1128044051	3/15/2018	0.11	2.61	9.17	81.56	0.11	0.37	2.37	0.00	74.06	0.00	13	79.7	0.16
1128044057	3/15/2018	0.13	4.82	10.84	150.63	0.07	0.41	5.13	0.00	160.31	0.00	14	160.3	0.09
1128044119	3/15/2018	0.41	1.51	34.19	47.19	0.72	0.99	1.58	17.77	49.38	0.36	36	48.8	0.74
1128045089	3/21/2018	0.60	1.46	50.04	45.63	1.10	1.38	1.43	32.25	44.69	0.72	54	44.1	1.23
1128048087	3/21/2018	0.13	2.17	10.84	67.81	0.16	0.46	2.26	0.00	70.63	0.00	14	70	0.2
1128048088	3/21/2018	0.11	2.50	9.17	78.13	0.12	0.39	2.38	0.00	74.38	0.00	13	76.3	0.17
1128047085	3/23/2018	0.03	1.64	2.50	51.25	0.05	0.14	1.63	0.00	50.94	0.00	8	50.3	0.16
1128047088	3/23/2018	0.05	1.58	4.17	49.38	0.08	0.16	1.58	0.00	49.38	0.00	9	50	0.18
1128047167	3/23/2018	0.69	1.66	57.55	51.88	1.11	1.54	1.71	38.20	53.44	0.71	58	49.4	1.17
1128048137	3/23/2018	0.19	5.34	15.85	166.88	0.09	0.45	4.97	0.00	155.31	0.00	15	168.1	0.09
1127033007	3/24/2018	1.27	1.25	105.92	39.06	2.71	2.93	1.32	89.82	41.25	2.18	107	39.7	2.7
1127033011	3/24/2018	0.87	1.24	72.56	38.75	1.87	2.41	1.38	70.51	43.13	1.63	75	40.3	1.86
1128048080	3/24/2018	0.54	2.46	45.04	76.88	0.59	1.42	2.32	33.74	72.50	0.47	47	71.3	0.66
1127030089	3/26/2018	0.77	1.90	64.22	59.38	1.08	2.44	1.9	71.62	59.38	1.21	69	59.1	1.17
1128047030	3/26/2018	0.03	1.98	2.50	61.88	0.04	0.26	1.92	0.00	60.00	0.00	11	57.8	0.19
1127030016	3/29/2018	0.52	2.54	43.37	79.38	0.55	1.63	2.49	41.54	77.81	0.53	47	70.9	0.66
1127030042	3/29/2018	0.37	2.65	30.86	82.81	0.37	1.35	2.58	31.14	80.63	0.39	38	80	0.48
1127030071	3/29/2018	0.95	1.82	79.23	56.88	1.39	2.19	1.85	62.34	57.81	1.08	78	56.9	1.37
1127030129	3/29/2018	0.87	1.59	72.56	49.69	1.46	1.98	1.67	54.54	52.19	1.05	73	52.5	1.39

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1127030134	3/29/2018	0.77	2.29	64.22	71.56	0.90	2.3	2.26	66.42	70.63	0.94	67	72.2	0.93
1127027014	3/30/2018	0.52	1.94	43.37	60.63	0.72	1.03	1.87	19.25	58.44	0.33	40	58.1	0.69
1127027015	3/30/2018	0.70	1.93	58.38	60.31	0.97	1.42	1.94	33.74	60.63	0.56	59	57.5	1.03
1127027127	3/30/2018	0.51	2.10	42.53	65.63	0.65	1.08	2.06	21.11	64.38	0.33	40	65.6	0.61
1127027194	3/30/2018	0.77	2.27	64.22	70.94	0.91	1.69	2.21	43.77	69.06	0.63	65	69.7	0.93
1127029114	4/1/2018	0.99	1.72	82.57	53.75	1.54	1.9	1.85	51.57	57.81	0.89	76	55.6	1.37
1127034031	4/6/2018	0.55	1.23	45.87	38.44	1.19	1.3	1.23	29.28	38.44	0.76	47	39.1	1.2
1127034152	4/6/2018	0.17	3.49	14.18	109.06	0.13	0.47	3.62	0.00	113.13	0.00	18	108.4	0.17
1127042025	4/19/2018	0.27	1.96	22.52	61.25	0.37	1.43	1.9	34.11	59.38	0.57	30	62.5	0.48
1127042042	4/19/2018	0.24	1.79	20.02	55.94	0.36	1.05	1.84	20.00	57.50	0.35	26	55.9	0.46
1127042184	4/19/2018	0.03	2.17	2.50	67.81	0.04	0.16	2.74	0.00	85.63	0.00	7	89.1	0.08
1127042233	4/19/2018	0.68	1.60	56.71	50.00	1.13	1.86	1.63	50.08	50.94	0.98	59	50.9	1.16
1127042235	4/19/2018	0.87	1.18	72.56	36.88	1.97	2.66	1.21	79.79	37.81	2.11	77	37.5	2.05
1127042183	4/21/2018	0.13	2.21	10.84	69.06	0.16	0.52	2.15	0.31	67.19	0.00	17	67.5	0.25
1126015053	4/25/2018	0.12	1.24	10.01	38.75	0.26	0.67	1.22	5.88	38.13	0.15	16	35.6	0.45
1126015109	4/25/2018	0.34	1.07	28.36	33.44	0.85	1.52	1.11	37.45	34.69	1.08	34	32.8	1.04
1126015002	4/26/2018	0.37	2.30	30.86	71.88	0.43	1.07	1.87	20.74	58.44	0.35	28	59.4	0.47
1126015003	4/26/2018	0.51	1.36	42.53	42.50	1.00	1.77	1.26	46.74	39.38	1.19	50	38.1	1.31
1126015011	4/26/2018	0.34	1.53	28.36	47.81	0.59	1.22	1.63	26.31	50.94	0.52	36	46.9	0.77
1126015080	4/26/2018	0.09	3.67	7.51	114.69	0.07	0.31	3.57	0.00	111.56	0.00	11	107.8	0.1
1126015108	4/26/2018	0.26	1.93	21.68	60.31	0.36	1.1	1.89	21.85	59.06	0.37	28	58.8	0.48
1126007088	4/30/2018	0.46	1.30	38.36	40.63	0.94	1.42	1.34	33.74	41.88	0.81	42	39.4	1.07
1126007125	4/30/2018	0.59	2.32	49.21	72.50	0.68	1.32	2.4	30.02	75.00	0.40	49	71.9	0.68
1126007145	4/30/2018	0.45	1.12	37.53	35.00	1.07	1.23	1.14	26.68	35.63	0.75	39	33.4	1.17
1126007321	4/30/2018	1.07	1.96	89.24	61.25	1.46	2.7	2.01	81.28	62.81	1.29	92	61.6	1.49
1126014050	4/30/2018	0.38	2.02	31.69	63.13	0.50	1.44	2.13	34.48	66.56	0.52	39	65	0.6
1126014073	4/30/2018	0.59	1.32	49.21	41.25	1.19	1.74	1.4	45.62	43.75	1.04	52	41.6	1.25
1126014113	4/30/2018	0.46	1.42	38.36	44.38	0.86	1.63	1.51	41.54	47.19	0.88	45	43.8	1.03
1126015147	4/30/2018	0.62	2.80	51.71	87.50	0.59	1.46	2.84	35.22	88.75	0.40	50	87.2	0.57
1126007346	5/2/2018	0.60	2.38	50.04	74.38	0.67	1.17	2.48	24.45	77.50	0.32	48	75	0.64
1126007362	5/2/2018	1.44	2.36	120.10	73.75	1.63	2.68	2.39	80.54	74.69	1.08	117	73.1	1.6
1126007378	5/2/2018	0.65	2.15	54.21	67.19	0.81	1.3	2.23	29.28	69.69	0.42	50	65	0.77
1126007399	5/2/2018	1.25	2.24	104.25	70.00	1.49	2.78	2.31	84.25	72.19	1.17	106	67.8	1.56
1126007390	5/3/2018	1.20	2.88	100.08	90.00	1.11	2.49	2.75	73.48	85.94	0.86	103	87.2	1.18
1126014053	5/3/2018	0.37	1.26	30.86	39.38	0.78	1.79	1.32	47.48	41.25	1.15	42	38.1	1.1
1126014055	5/3/2018	0.18	2.32	15.01	72.50	0.21	1.14	2.22	23.34	69.38	0.34	24	66.9	0.36
1126014002	5/4/2018	0.45	2.89	37.53	90.31	0.42	1.57	2.81	39.31	87.81	0.45	40	87.8	0.46
1126014103	5/4/2018	0.57	1.75	47.54	54.69	0.87	2.01	1.84	55.65	57.50	0.97	49	53.4	0.92
1126016080	5/4/2018	0.48	3.77	40.03	117.81	0.34	1.56	3.61	38.94	112.81	0.35	43	116.3	0.37
1126015120	5/5/2018	0.26	1.95	21.68	60.94	0.36	0.88	2.07	13.68	64.69	0.21	25	59.4	0.42
1126016057	5/5/2018	1.03	1.86	85.90	58.13	1.48	2.5	1.77	73.85	55.31	1.34	80	52.2	1.53
1126016061	5/5/2018	1.15	2.00	95.91	62.50	1.53	2.72	2.14	82.02	66.88	1.23	89	61.6	1.45
1126016147	5/5/2018	0.23	2.32	19.18	72.50	0.26	0.92	2.51	15.17	78.44	0.19	24	73.8	0.33
1126018108	5/6/2018	1.27	2.20	105.92	68.75	1.54	2.74	2.22	82.76	69.38	1.19	101	68.1	1.48

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1126018115	5/6/2018	1.07	2.06	89.24	64.38	1.39	2.65	2.23	79.42	69.69	1.14	80	62.8	1.27
1126018136	5/6/2018	0.97	1.93	80.90	60.31	1.34	2.16	1.97	61.22	61.56	0.99	77	59.4	1.3
1126019214	5/6/2018	1.01	1.40	84.23	43.75	1.93	2.63	1.46	78.68	45.63	1.72	78	43.1	1.81
1126016139	5/7/2018	0.93	2.18	77.56	68.13	1.14	2.59	2.22	77.19	69.38	1.11	73	70.6	1.03
1126016156	5/7/2018	1.48	2.07	123.43	64.69	1.91	3.73	2.13	119.53	66.56	1.80	120	63.8	1.88
1126018114	5/7/2018	1.14	2.10	95.08	65.63	1.45	2.62	2.13	78.31	66.56	1.18	89	63.1	1.41
1126016103	5/8/2018	1.31	1.09	109.25	34.06	3.21	3.18	1.13	99.11	35.31	2.81	109	32.2	3.39
1126024097	5/10/2018	0.54	1.72	45.04	53.75	0.84	2.28	1.9	65.68	59.38	1.11	54	54.1	1
1126024151	5/10/2018	0.96	1.42	80.06	44.38	1.80	2.93	1.65	89.82	51.56	1.74	89	46.9	1.9
1127039003	5/10/2018	0.35	1.29	29.19	40.31	0.72	1.12	2.57	22.60	80.31	0.28	40	75.9	0.53
1127039007	5/10/2018	0.80	2.28	66.72	71.25	0.94	1.94	2.47	53.05	77.19	0.69	68	71.3	0.95
1126019150	5/11/2018	1.05	2.53	87.57	79.06	1.11	2.35	2.42	68.28	75.63	0.90	83	72.2	1.15
1126019022	5/12/2018	1.30	2.03	108.42	63.44	1.71	2.54	1.93	75.34	60.31	1.25	88	58.8	1.5
1126024004	5/14/2018	0.90	2.07	75.06	64.69	1.16	2.75	2.14	83.14	66.88	1.24	73	62.8	1.16
1126024043	5/15/2018	0.85	2.31	70.89	72.19	0.98	2.27	2.3	65.31	71.88	0.91	71	74.4	0.95
1126024060	5/15/2018	0.93	2.12	77.56	66.25	1.17	2.73	2.14	82.39	66.88	1.23	76	71.3	1.07
1125005004	5/31/2018	0.17	1.07	14.18	33.44	0.42	1.67	1.12	43.02	35.00	1.23	25	32.2	0.78
1127040081	6/3/2018	0.17	4.62	14.18	144.38	0.10	0.4	4.09	0.00	127.81	0.00	16	155.6	0.1
1127040082	6/3/2018	0.16	4.19	13.34	130.94	0.10	0.38	3.86	0.00	120.63	0.00	15	136.6	0.11
1127040101	6/3/2018	0.22	2.58	18.35	80.63	0.23	0.3	2.55	0.00	79.69	0.00	15	79.1	0.19
1127040044	6/4/2018	0.30	3.00	25.02	93.75	0.27	0.95	2.88	16.28	90.00	0.18	27	85	0.32
1127040017	6/5/2018	0.51	2.31	42.53	72.19	0.59	0.42	2.21	0.00	69.06	0.00	13	61.3	0.21
1127040405	6/7/2018	0.15	1.39	12.51	43.44	0.29	0.59	1.6	2.91	50.00	0.06	20	48.4	0.41
1127040415	6/7/2018	0.22	2.83	18.35	88.44	0.21	0.75	2.61	8.86	81.56	0.11	23	81.3	0.28
1127040480	6/7/2018	0.14	1.85	11.68	57.81	0.20	0.42	1.79	0.00	55.94	0.00	14	53.1	0.26
1125007004	6/14/2018	0.45	0.58	37.53	18.13	2.07	2.19	0.59	62.34	18.44	3.38	46	17.5	2.63
1126026241	6/14/2018	1.04	1.39	86.74	43.44	2.00	1.92	1.37	52.31	42.81	1.22	80	41.3	1.94
1126026119	6/15/2018	0.95	2.02	79.23	63.13	1.26	1.93	2.03	52.68	63.44	0.83	73	63.8	1.15
1126030109	6/16/2018	0.44	1.89	36.70	59.06	0.62	1.06	1.96	20.37	61.25	0.33	38	55.9	0.68
1126030129	6/16/2018	0.26	2.17	21.68	67.81	0.32	0.93	2.2	15.54	68.75	0.23	26	67.2	0.39
1126030060	6/17/2018	0.63	2.13	52.54	66.56	0.79	1.39	2.11	32.62	65.94	0.49	51	65.3	0.78
1126031238	6/18/2018	0.07	2.90	5.84	90.63	0.06	0.28	2.68	0.00	83.75	0.00	11	80	0.14
1126031245	6/18/2018	0.05	3.21	4.17	100.31	0.04	0.2	2.89	0.00	90.31	0.00	8	88.8	0.09
1126031036	6/19/2018	1.03	1.33	85.90	41.56	2.07	2.43	1.31	71.25	40.94	1.74	79	40.3	1.96
1126031257	6/19/2018	0.22	2.47	18.35	77.19	0.24	0.43	2.3	0.00	71.88	0.00	21	72.5	0.29
1126031258	6/19/2018	0.21	3.07	17.51	95.94	0.18	0.48	2.79	0.00	87.19	0.00	20	90.9	0.22
1126031265	6/19/2018	0.10	0.45	8.34	14.06	0.59	1.45	1.98	34.85	61.88	0.56	49	57.5	0.85
1126031277	6/19/2018	0.31	2.22	25.85	69.38	0.37	0.73	2.1	8.11	65.63	0.12	32	63.4	0.5
1126031173	6/20/2018	0.31	2.20	25.85	68.75	0.38	0.74	2.1	8.48	65.63	0.13	27	62.8	0.43
1126033101	6/26/2018	1.13	1.33	94.24	41.56	2.27	2.79	1.42	84.62	44.38	1.91	97	41.6	2.33
1126033528	6/26/2018	0.17	2.10	14.18	65.63	0.22	0.58	2.14	2.54	66.88	0.04	20	66.9	0.3
1126033030	6/28/2018	0.76	1.81	63.38	56.56	1.12	2.14	1.75	60.48	54.69	1.11	65	55.3	1.18
1126033046	6/28/2018	0.86	1.45	71.72	45.31	1.58	2.51	1.42	74.22	44.38	1.67	73	37.8	1.93
1126033088	6/28/2018	0.92	1.50	76.73	46.88	1.64	2.84	1.45	86.48	45.31	1.91	82	47.2	1.74

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1126033062	6/29/2018	0.54	2.09	45.04	65.31	0.69	1.69	2.02	43.77	63.13	0.69	51	59.1	0.86
1125020165	6/30/2018	0.67	1.20	55.88	37.50	1.49	2.21	1.28	63.08	40.00	1.58	62	38.4	1.61
1125020187	6/30/2018	0.41	2.75	34.19	85.94	0.40	1.43	2.64	34.11	82.50	0.41	40	84.4	0.47
1125009223	7/3/2018	0.32	1.42	26.69	44.38	0.60	1.2	1.45	25.57	45.31	0.56	32	45	0.71
1125009270	7/3/2018	0.17	2.96	14.18	92.50	0.15	0.66	2.79	5.51	87.19	0.06	19	95	0.2
1125009288	7/3/2018	1.29	2.45	107.59	76.56	1.41	2.48	2.35	73.11	73.44	1.00	103	72.5	1.42
1125009331	7/4/2018	1.11	1.79	92.57	55.94	1.65	2.2	1.76	62.71	55.00	1.14	86	56.3	1.53
1125009342	7/4/2018	1.10	2.26	91.74	70.63	1.30	2.48	2.27	73.11	70.94	1.03	87	70.9	1.23
1125009366	7/4/2018	1.20	2.37	100.08	74.06	1.35	2.74	2.29	82.76	71.56	1.16	101	73.4	1.38
1125009379	7/4/2018	1.18	1.83	98.41	57.19	1.72	2.58	1.81	76.82	56.56	1.36	88	56.3	1.56
1125010179	7/5/2018	1.03	2.06	85.90	64.38	1.33	2.3	1.99	66.42	62.19	1.07	85	61.3	1.39
1125009357	7/8/2018	0.38	2.33	31.69	72.81	0.44	1.22	2.24	26.31	70.00	0.38	36	70.6	0.51
1125010034	7/8/2018	0.65	2.78	54.21	86.88	0.62	1.47	2.65	35.60	82.81	0.43	53	80.6	0.66
1125010101	7/8/2018	0.75	2.28	62.55	71.25	0.88	2.4	2.2	70.14	68.75	1.02	67	67.2	1
1125010120	7/8/2018	0.99	1.47	82.57	45.94	1.80	2.91	1.45	89.08	45.31	1.97	82	43.4	1.89
1125010141	7/8/2018	0.82	2.52	68.39	78.75	0.87	1.86	2.42	50.08	75.63	0.66	67	74.1	0.9
1125010146	7/8/2018	0.82	1.84	68.39	57.50	1.19	2.17	1.76	61.59	55.00	1.12	69	50.6	1.36
1125010159	7/8/2018	1.11	1.75	92.57	54.69	1.69	2.47	1.8	72.74	56.25	1.29	94	55.3	1.7
1125010201	7/8/2018	1.13	1.96	94.24	61.25	1.54	2.37	1.96	69.02	61.25	1.13	88	60.6	1.45
1125016015	7/8/2018	0.30	1.96	25.02	61.25	0.41	0.99	1.97	17.77	61.56	0.29	28	61.9	0.45
1125016030	7/8/2018	0.49	1.40	40.87	43.75	0.93	1.75	1.4	46.00	43.75	1.05	47	44.1	1.07
1125016031	7/8/2018	0.50	1.53	41.70	47.81	0.87	1.71	1.55	44.51	48.44	0.92	47	46.9	1
1125016037	7/8/2018	0.62	1.56	51.71	48.75	1.06	1.83	1.53	48.97	47.81	1.02	50	45.9	1.09
1125016080	7/8/2018	0.66	0.99	55.04	30.94	1.78	2.1	1.02	58.99	31.88	1.85	57	29.7	1.92
1125016088	7/8/2018	0.67	1.21	55.88	37.81	1.48	2.01	1.23	55.65	38.44	1.45	53	35.6	1.49
1125016122	7/8/2018	0.23	1.30	19.18	40.63	0.47	1.12	1.28	22.60	40.00	0.56	28	39.7	0.71
1125015001	7/10/2018	1.56	1.57	130.10	49.06	2.65	3.06	1.65	94.65	51.56	1.84	133	50.6	2.63
1125015070	7/10/2018	0.30	2.96	25.02	92.50	0.27	0.96	2.82	16.65	88.13	0.19	30	88.4	0.34
1125015084	7/10/2018	0.23	1.88	19.18	58.75	0.33	1.01	1.84	18.51	57.50	0.32	29	58.1	0.5
1125015109	7/10/2018	1.29	1.97	107.59	61.56	1.75	2.7	2.04	81.28	63.75	1.27	104	58.8	1.77
1125012102	7/11/2018	0.58	1.35	48.37	42.19	1.15	1.34	1.33	30.77	41.56	0.74	51	43.1	1.18
1125012186	7/11/2018	1.00	1.47	83.40	45.94	1.82	1.79	1.45	47.48	45.31	1.05	76	44.4	1.71
1125015046	7/11/2018	1.13	2.27	94.24	70.94	1.33	2.64	2.22	79.05	69.38	1.14	88	72.5	1.21
1125015154	7/11/2018	0.14	1.62	11.68	50.63	0.23	0.56	1.57	1.80	49.06	0.04	21	50	0.42
1125015401	7/12/2018	0.65	3.77	54.21	117.81	0.46	1.52	3.55	37.45	110.94	0.34	45	115	0.39
1125015416	7/12/2018	0.79	1.81	65.89	56.56	1.16	2.73	1.85	82.39	57.81	1.43	69	58.8	1.17
1125024201	7/15/2018	0.27	1.90	22.52	59.38	0.38	0.95	1.86	16.28	58.13	0.28	30	54.1	0.55
1125011005	7/16/2018	0.93	2.11	77.56	65.94	1.18	1.86	2.08	50.08	65.00	0.77	77	65.3	1.18
1125011007	7/16/2018	1.12	2.11	93.41	65.94	1.42	2.68	2.16	80.54	67.50	1.19	88	66.9	1.32
1125011012	7/16/2018	0.16	2.91	13.34	90.94	0.15	0.64	2.8	4.77	87.50	0.05	19	89.7	0.21
1125011163	7/17/2018	0.38	2.93	31.69	91.56	0.35	1.17	2.81	24.45	87.81	0.28	34	87.5	0.39
1125011040	7/18/2018	0.67	2.57	55.88	80.31	0.70	1.44	2.53	34.48	79.06	0.44	56	81.6	0.69
1125011073	7/18/2018	0.42	2.44	35.03	76.25	0.46	1.05	2.38	20.00	74.38	0.27	36	74.1	0.49
1125011089	7/18/2018	0.41	2.91	34.19	90.94	0.38	0.96	2.76	16.65	86.25	0.19	35	92.2	0.38

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1125011091	7/18/2018	0.75	2.29	62.55	71.56	0.87	1.56	2.23	38.94	69.69	0.56	59	69.7	0.85
1125011118	7/18/2018	0.68	1.80	56.71	56.25	1.01	1.64	1.79	41.91	55.94	0.75	57	55.6	1.02
1125018240	7/18/2018	1.21	2.37	100.91	74.06	1.36	2.38	2.36	69.39	73.75	0.94	87	73.4	1.18
1125026078	7/20/2018	0.07	1.88	5.84	58.75	0.10	0.33	1.88	0.00	58.75	0.00	12	55.9	0.21
1125027042	7/22/2018	0.71	1.12	59.21	35.00	1.69	2.48	1.47	73.11	45.94	1.59	84	44.1	1.91
1125027072	7/22/2018	0.75	1.78	62.55	55.63	1.12	2.13	1.76	60.11	55.00	1.09	65	50.3	1.29
1125026033	7/23/2018	0.57	1.76	47.54	55.00	0.86	1.38	1.73	32.25	54.06	0.60	53	55	0.96
1125027115	7/23/2018	0.36	1.97	30.02	61.56	0.49	1.21	2.19	25.94	68.44	0.38	25	66.3	0.38
1125026086	7/25/2018	0.12	1.99	10.01	62.19	0.16	0.24	2.06	0.00	64.38	0.00	11	63.4	0.17
1125026116	7/26/2018	0.07	3.81	5.84	119.06	0.05	0.19	3.8	0.00	118.75	0.00	8	101.3	0.08
1125027076	7/27/2018	0.23	3.63	19.18	113.44	0.17	0.98	3.64	17.40	113.75	0.15	24	105	0.23
1125027111	7/27/2018	0.28	1.59	23.35	49.69	0.47	1.65	1.63	42.28	50.94	0.83	34	48.1	0.71
1125028033	7/27/2018	0.12	0.76	10.01	23.75	0.42	0.46	0.79	0.00	24.69	0.00	14	23.1	0.61
1125028504	7/27/2018	0.44	2.25	36.70	70.31	0.52	1.28	2.21	28.54	69.06	0.41	40	70.6	0.57
1124001265	7/28/2018	0.69	1.68	57.55	52.50	1.10	2.21	1.76	63.08	55.00	1.15	62	55.3	1.12
1125028097	7/28/2018	0.15	1.48	12.51	46.25	0.27	0.39	1.54	0.00	48.13	0.00	15	44.7	0.34
1124001195	7/29/2018	0.98	2.20	81.73	68.75	1.19	2.06	2.24	57.51	70.00	0.82	78	68.8	1.13
1124001210	7/29/2018	0.65	1.80	54.21	56.25	0.96	1.62	1.84	41.17	57.50	0.72	54	53.1	1.02
1125028020	7/30/2018	0.40	3.06	33.36	95.63	0.35	0.46	2.97	0.00	92.81	0.00	13	95.6	0.14
1125028077	7/30/2018	0.27	4.18	22.52	130.63	0.17	0.56	3.92	1.80	122.50	0.01	17	120.9	0.14
1125028106	7/30/2018	0.37	1.36	30.86	42.50	0.73	1.27	1.43	28.17	44.69	0.63	37	43.8	0.85
1125028108	7/30/2018	0.11	1.89	9.17	59.06	0.16	0.3	1.91	0.00	59.69	0.00	11	56.3	0.2
1124001171	7/31/2018	1.08	1.57	90.07	49.06	1.84	2.58	1.57	76.82	49.06	1.57	83	49.7	1.67
1124001177	7/31/2018	0.69	2.04	57.55	63.75	0.90	2.11	2.07	59.37	64.69	0.92	61	64.7	0.94
1124001155	8/1/2018	1.17	1.98	97.58	61.88	1.58	2.79	2.02	84.62	63.13	1.34	101	63.1	1.6
1125029121	8/2/2018	0.49	1.69	40.87	52.81	0.77	0.8	1.6	10.71	50.00	0.21	34	47.8	0.71
1124001016	8/5/2018	1.14	2.39	95.08	74.69	1.27	2.5	2.16	73.85	67.50	1.09	94	65.6	1.43
1124001123	8/5/2018	1.22	1.80	101.75	56.25	1.81	2.55	1.8	75.71	56.25	1.35	100	60.3	1.66
1124001126	8/5/2018	1.20	2.05	100.08	64.06	1.56	2.67	1.94	80.16	60.63	1.32	100	54.4	1.84
1124001131	8/5/2018	1.18	1.87	98.41	58.44	1.68	2.46	1.78	72.36	55.63	1.30	99	56.3	1.76
1124001107	8/6/2018	0.97	2.68	80.90	83.75	0.97	2.12	2.53	59.74	79.06	0.76	76	77.2	0.98
1124003005	8/7/2018	0.44	2.36	36.70	73.75	0.50	1.02	2.17	18.88	67.81	0.28	36	64.4	0.56
1124003009	8/7/2018	1.14	2.76	95.08	86.25	1.10	2.34	2.47	67.91	77.19	0.88	97	77.8	1.25
1124003084	8/7/2018	1.13	2.22	94.24	69.38	1.36	2.43	2.1	71.25	65.63	1.09	86	62.8	1.37
1124003092	8/7/2018	0.88	2.44	73.39	76.25	0.96	1.64	2.35	41.91	73.44	0.57	69	72.5	0.95
1124003135	8/7/2018	1.26	2.11	105.08	65.94	1.59	2.94	2.02	90.19	63.13	1.43	100	66.3	1.51
1124003061	8/8/2018	0.56	2.37	46.70	74.06	0.63	1.34	2.27	30.77	70.94	0.43	46	70.3	0.65
1124003125	8/8/2018	0.51	2.40	42.53	75.00	0.57	1.15	2.17	23.71	67.81	0.35	40	66.6	0.6
1124003131	8/8/2018	0.82	1.35	68.39	42.19	1.62	1.8	1.38	47.85	43.13	1.11	66	41.9	1.58
1124003147	8/8/2018	0.94	2.14	78.40	66.88	1.17	2.4	2.11	70.14	65.94	1.06	78	61.6	1.27
1124003015	8/9/2018	0.96	1.78	80.06	55.63	1.44	2.13	2.2	60.11	68.75	0.87	80	61.6	1.3
1124003049	8/9/2018	1.19	2.08	99.25	65.00	1.53	2.51	1.97	74.22	61.56	1.21	96	60.6	1.58
1124003304	8/10/2018	0.96	2.12	80.06	66.25	1.21	2.31	2.06	66.79	64.38	1.04	77	63.1	1.22
1124003017	8/11/2018	1.12	1.96	93.41	61.25	1.53	2.28	1.96	65.68	61.25	1.07	85	62.2	1.37

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1124003317	8/11/2018	0.59	1.75	49.21	54.69	0.90	2.05	1.74	57.14	54.38	1.05	46	56.9	0.81
1124003329	8/11/2018	1.07	2.06	89.24	64.38	1.39	2.49	2.09	73.48	65.31	1.13	80	60.9	1.31
1124016032	8/17/2018	1.09	1.70	90.91	53.13	1.71	2.85	1.76	86.85	55.00	1.58	93	53.4	1.74
1124016072	8/18/2018	0.84	3.62	70.06	113.13	0.62	1.49	3.36	36.34	105.00	0.35	57	100.6	0.57
1124017076	8/24/2018	0.02	0.01	1.67	0.16	10.68	1.92	2.81	52.31	87.81	0.60	71	88.4	0.8
1124017070	8/26/2018	0.63	1.39	52.54	43.44	1.21	2.23	1.37	63.82	42.81	1.49	57	41.3	1.38
1124017071	8/26/2018	0.21	0.98	17.51	30.63	0.57	1.3	0.97	29.28	30.31	0.97	27	27.5	0.98
1124017100	8/26/2018	1.05	2.26	87.57	70.63	1.24	2.25	2.22	64.57	69.38	0.93	78	69.1	1.13
1124020037	8/26/2018	0.46	2.30	38.36	71.88	0.53	1.72	2.3	44.88	71.88	0.62	48	68.8	0.7
1124017016	8/27/2018	0.38	1.24	31.69	38.75	0.82	1.43	1.27	34.11	39.69	0.86	39	40	0.98
1124017037	8/27/2018	0.05	3.53	4.17	110.31	0.04	0.41	3.5	0.00	109.38	0.00	12	103.8	0.12
1124020054	8/28/2018	0.42	1.96	35.03	61.25	0.57	1.75	2.02	46.00	63.13	0.73	44	61.9	0.71
1124020075	8/28/2018	0.01	3.46	0.42	108.13	0.00	0.34	3.31	0.00	103.44	0.00	12	101.6	0.12
1124018091	8/29/2018	0.55	1.39	45.87	43.44	1.06	1.73	1.32	45.25	41.25	1.10	48	39.7	1.21
1124018017	8/30/2018	0.50	1.50	41.70	46.88	0.89	1.68	1.51	43.40	47.19	0.92	45	44.7	1.01
1124018042	8/30/2018	0.28	1.29	23.35	40.31	0.58	1.78	1.26	47.11	39.38	1.20	34	37.5	0.91
1124018094	8/31/2018	0.33	2.24	27.52	70.00	0.39	1.24	2.09	27.05	65.31	0.41	40	66.6	0.6
1124018131	8/31/2018	0.45	1.34	37.53	41.88	0.90	1.55	1.29	38.57	40.31	0.96	42	39.7	1.06
1124018075	9/1/2018	0.22	2.23	18.35	69.69	0.26	0.66	1.58	5.51	49.38	0.11	25	53.1	0.47
1124018077	9/1/2018	0.24	0.98	20.02	30.63	0.65	1.18	1.15	24.83	35.94	0.69	36	35.9	1
1124018007	9/3/2018	0.79	1.71	65.89	53.44	1.23	2.57	1.68	76.45	52.50	1.46	78	52.2	1.49
1124018028	9/3/2018	0.55	1.97	45.87	61.56	0.75	1.92	1.89	52.31	59.06	0.89	54	59.7	0.9
1124021052	9/4/2018	0.12	1.61	10.01	50.31	0.20	0.41	1.6	0.00	50.00	0.00	12	51.9	0.23
1124021054	9/4/2018	0.10	1.79	8.34	55.94	0.15	0.53	1.74	0.68	54.38	0.01	13	52.8	0.25
1124021115	9/4/2018	0.22	2.32	18.35	72.50	0.25	0.77	2.19	9.60	68.44	0.14	25	70	0.36
1124021118	9/4/2018	0.99	1.81	82.57	56.56	1.46	2.38	1.81	69.39	56.56	1.23	79	57.2	1.38
1124021024	9/6/2018	0.16	2.22	13.34	69.38	0.19	0.6	2.09	3.28	65.31	0.05	22	65	0.34
1124021043	9/6/2018	0.22	2.11	18.35	65.94	0.28	0.82	2.04	11.45	63.75	0.18	24	65.6	0.37
1124021127	9/6/2018	0.48	2.44	40.03	76.25	0.53	1.97	2.37	54.17	74.06	0.73	51	76.3	0.67
1124019104	9/8/2018	0.56	1.51	46.70	47.19	0.99	2.48	1.51	73.11	47.19	1.55	56	45.6	1.23
1124019110	9/8/2018	0.34	1.46	28.36	45.63	0.62	1.42	1.46	33.74	45.63	0.74	39	45.3	0.86
1124019141	9/8/2018	0.47	1.68	39.20	52.50	0.75	1.7	1.59	44.14	49.69	0.89	45	48.4	0.93
1124019060	9/9/2018	0.26	1.19	21.68	37.19	0.58	1.2	1.17	25.57	36.56	0.70	30	35.9	0.83
1124019036	9/10/2018	0.67	1.27	55.88	39.69	1.41	2.56	1.31	76.08	40.94	1.86	67	38.8	1.73
1124019002	9/11/2018	0.27	0.77	22.52	24.06	0.94	1.37	0.77	31.88	24.06	1.32	30	21.9	1.37
1124019027	9/11/2018	0.67	1.72	55.88	53.75	1.04	2.31	1.78	66.79	55.63	1.20	58	53.1	1.09
1124019040	9/11/2018	0.40	1.31	33.36	40.94	0.81	1.6	1.29	40.42	40.31	1.00	40	38.8	1.03
1124019050	9/11/2018	0.10	1.39	8.34	43.44	0.19	0.88	1.41	13.68	44.06	0.31	15	42.5	0.35
1124022109	9/11/2018	0.66	1.54	55.04	48.13	1.14	2.1	1.55	58.99	48.44	1.22	55	49.1	1.12
1124022145	9/11/2018	1.10	1.45	91.74	45.31	2.02	2.52	1.45	74.59	45.31	1.65	86	44.4	1.94
1124022163	9/12/2018	0.46	1.46	38.36	45.63	0.84	1.39	1.45	32.62	45.31	0.72	37	42.8	0.86
1124022018	9/14/2018	0.90	1.93	75.06	60.31	1.24	2.43	1.87	71.25	58.44	1.22	68	57.2	1.19
1123001179	9/16/2018	0.95	2.34	79.23	73.13	1.08	2.31	2.29	66.79	71.56	0.93	77	70.3	1.1
1124022002	9/16/2018	1.22	2.07	101.75	64.69	1.57	2.34	2.05	67.91	64.06	1.06	87	61.3	1.42

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1124022003	9/16/2018	1.30	2.16	108.42	67.50	1.61	2.53	2.16	74.96	67.50	1.11	91	66.3	1.37
1123001297	9/17/2018	0.37	3.56	30.86	111.25	0.28	1.26	3.4	27.80	106.25	0.26	37	109.4	0.34
1124024034	9/17/2018	0.27	0.65	22.52	20.31	1.11	1.31	0.71	29.65	22.19	1.34	28	19.4	1.45
1124024053	9/17/2018	0.44	1.10	36.70	34.38	1.07	1.72	1.1	44.88	34.38	1.31	42	32.5	1.29
1124024087	9/17/2018	0.76	2.15	63.38	67.19	0.94	1.79	2.1	47.48	65.63	0.72	62	64.1	0.97
1124024064	9/19/2018	0.63	1.47	52.54	45.94	1.14	1.64	1.5	41.91	46.88	0.89	52	44.7	1.16
1123001111	9/23/2018	0.90	2.57	75.06	80.31	0.93	2.35	2.6	68.28	81.25	0.84	75	77.8	0.96
1123001198	9/23/2018	1.06	2.06	88.40	64.38	1.37	2.33	2.16	67.54	67.50	1.00	87	65	1.34
1123001262	9/23/2018	1.08	2.20	90.07	68.75	1.31	2.72	2.23	82.02	69.69	1.18	86	68.4	1.26
1123001306	9/23/2018	0.39	1.53	32.53	47.81	0.68	1.43	3.36	34.11	105.00	0.32	37	100.3	0.37
1123001180	9/26/2018	0.92	2.10	76.73	65.63	1.17	2.41	2.11	70.51	65.94	1.07	81	67.5	1.2
1123009007	10/2/2018	0.85	1.68	70.89	52.50	1.35	1.94	1.78	53.05	55.63	0.95	71	51.9	1.37
1123009008	10/2/2018	0.90	1.53	75.06	47.81	1.57	2.26	1.56	64.94	48.75	1.33	74	45.3	1.63
1123009012	10/2/2018	1.13	1.40	94.24	43.75	2.15	2.31	1.53	66.79	47.81	1.40	81	45	1.8
1123009013	10/2/2018	1.23	1.31	102.58	40.94	2.51	2.52	1.43	74.59	44.69	1.67	86	43.1	1.99
1123009024	10/2/2018	0.96	2.17	80.06	67.81	1.18	2.11	2.05	59.37	64.06	0.93	73	64.1	1.14
1123009124	10/2/2018	0.74	2.43	61.72	75.94	0.81	1.59	2.37	40.05	74.06	0.54	58	72.5	0.8
1123009043	10/3/2018	1.25	2.42	104.25	75.63	1.38	2.53	2.33	74.96	72.81	1.03	86	70.6	1.22
1123009159	10/3/2018	0.80	2.23	66.72	69.69	0.96	2.39	2.24	69.76	70.00	1.00	69	67.8	1.02
1123009173	10/3/2018	1.00	2.16	83.40	67.50	1.24	2.07	2.05	57.88	64.06	0.90	77	61.9	1.24
1123009004	10/5/2018	0.45	2.48	37.53	77.50	0.48	1.02	2.42	18.88	75.63	0.25	31	77.5	0.4
1123009005	10/5/2018	0.80	2.30	66.72	71.88	0.93	1.75	2.41	46.00	75.31	0.61	60	73.4	0.82
1123009015	10/5/2018	1.19	2.00	99.25	62.50	1.59	2.46	2	72.36	62.50	1.16	89	64.1	1.39
1123009025	10/5/2018	0.85	1.63	70.89	50.94	1.39	1.65	1.64	42.28	51.25	0.82	69	49.1	1.41
1123009035	10/5/2018	0.96	2.09	80.06	65.31	1.23	2.26	2.07	64.94	64.69	1.00	72	62.2	1.16
1123009171	10/5/2018	0.27	1.85	22.52	57.81	0.39	1.05	1.79	20.00	55.94	0.36	27	52.8	0.51
1123009211	10/5/2018	0.45	1.42	37.53	44.38	0.85	1.68	1.42	43.40	44.38	0.98	43	44.7	0.96
1123013004	10/9/2018	0.41	2.05	34.19	64.06	0.53	1.62	2.03	41.17	63.44	0.65	40	59.7	0.67
1123013017	10/9/2018	0.22	4.09	18.35	127.81	0.14	0.77	3.91	9.60	122.19	0.08	21	121.3	0.17
1123013034	10/9/2018	0.94	2.22	78.40	69.38	1.13	2.25	2.18	64.57	68.13	0.95	76	65.9	1.15
1123013057	10/9/2018	0.93	2.60	77.56	81.25	0.95	2.1	2.54	58.99	79.38	0.74	74	75	0.99
1123013002	10/10/2018	0.38	1.57	31.69	49.06	0.65	1.69	1.51	43.77	47.19	0.93	39	48.8	0.8
1123013068	10/10/2018	0.26	1.83	21.68	57.19	0.38	1.06	1.84	20.37	57.50	0.35	29	53.1	0.55
1123013093	10/10/2018	0.37	2.99	30.86	93.44	0.33	1.22	2.88	26.31	90.00	0.29	35	90.9	0.38
1123014146	10/14/2018	0.34	2.65	28.36	82.81	0.34	0.48	2.51	0.00	78.44	0.00	13	79.1	0.16
1123014165	10/14/2018	0.19	2.64	15.85	82.50	0.19	0.7	2.6	7.00	81.25	0.09	20	81.6	0.25
1123014177	10/14/2018	0.21	1.75	17.51	54.69	0.32	0.68	1.71	6.26	53.44	0.12	19	53.1	0.36
1123014186	10/14/2018	0.15	2.60	12.51	81.25	0.15	0.44	2.47	0.00	77.19	0.00	13	76.3	0.17
1123014219	10/14/2018	0.29	2.12	24.19	66.25	0.37	0.98	2.09	17.40	65.31	0.27	26	65	0.4
1123014232	10/14/2018	0.11	1.64	9.17	51.25	0.18	0.4	1.66	0.00	51.88	0.00	12	47.2	0.25
1123014001	10/17/2018	0.55	1.53	45.87	47.81	0.96	1.76	1.56	46.37	48.75	0.95	47	48.1	0.98
1123014275	10/17/2018	0.39	3.05	32.53	95.31	0.34	1.09	3.01	21.48	94.06	0.23	31	94.1	0.33
1123014284	10/17/2018	0.23	1.54	19.18	48.13	0.40	0.95	1.45	16.28	45.31	0.36	19	45.3	0.42
1123014301	10/17/2018	0.30	1.53	25.02	47.81	0.52	1.54	1.49	38.20	46.56	0.82	31	47.8	0.65

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1124028001	10/19/2018	0.11	2.21	9.17	69.06	0.13	0.42	2.26	0.00	70.63	0.00	12	65.3	0.18
1124028032	10/19/2018	0.10	2.29	8.34	71.56	0.12	0.34	2.42	0.00	75.63	0.00	11	74.7	0.15
1124028106	10/19/2018	0.30	2.15	25.02	67.19	0.37	1.05	2.08	20.00	65.00	0.31	28	67.2	0.42
1124028108	10/19/2018	0.49	1.45	40.87	45.31	0.90	1.54	1.44	38.20	45.00	0.85	41	45	0.91
1124028109	10/19/2018	0.26	2.11	21.68	65.94	0.33	0.95	2.22	16.28	69.38	0.23	24	66.6	0.36
1124028113	10/19/2018	0.29	1.05	24.19	32.81	0.74	1.15	1.09	23.71	34.06	0.70	30	33.4	0.9
1124028144	10/19/2018	0.55	2.02	45.87	63.13	0.73	1.73	2.09	45.25	65.31	0.69	47	62.8	0.75
1124028150	10/19/2018	0.31	3.44	25.85	107.50	0.24	1.08	3.35	21.11	104.69	0.20	32	103.1	0.31
1124028163	10/19/2018	0.92	1.33	76.73	41.56	1.85	2.63	1.38	78.68	43.13	1.82	75	40.6	1.85
1124028173	10/19/2018	0.19	1.12	15.85	35.00	0.45	0.52	1.08	0.31	33.75	0.01	14	34.7	0.4
1124029382	10/19/2018	0.57	2.71	47.54	84.69	0.56	1.45	2.67	34.85	83.44	0.42	48	83.8	0.57
1124029389	10/19/2018	0.21	2.69	17.51	84.06	0.21	0.53	2.56	0.68	80.00	0.01	21	81.6	0.26
1124029405	10/19/2018	0.22	2.25	18.35	70.31	0.26	0.66	2.27	5.51	70.94	0.08	21	71.3	0.29
1124029433	10/19/2018	0.71	1.52	59.21	47.50	1.25	1.73	1.46	45.25	45.63	0.99	64	43.1	1.48
1124029436	10/19/2018	0.17	1.37	14.18	42.81	0.33	0.54	1.38	1.06	43.13	0.02	18	40.6	0.44
1124029701	10/19/2018	0.26	2.51	21.68	78.44	0.28	0.78	2.33	9.97	72.81	0.14	23	70	0.33
1124029716	10/19/2018	0.28	2.05	23.35	64.06	0.36	0.65	1.93	5.14	60.31	0.09	23	60.3	0.38
1124029733	10/19/2018	0.76	2.59	63.38	80.94	0.78	1.35	2.45	31.14	76.56	0.41	57	79.1	0.72
1124029741	10/19/2018	0.17	4.17	14.18	130.31	0.11	0.45	4	0.00	125.00	0.00	14	125.6	0.11
1124029330	10/20/2018	0.08	2.74	6.67	85.63	0.08	0.32	2.67	0.00	83.44	0.00	11	81.9	0.13
1123012131	10/21/2018	1.10	1.92	91.74	60.00	1.53	2.36	1.97	68.65	61.56	1.12	94	61.9	1.52
1123012173	10/21/2018	1.18	1.92	98.41	60.00	1.64	2.22	1.85	63.45	57.81	1.10	88	59.7	1.47
1124029301	10/21/2018	0.07	1.78	5.84	55.63	0.10	0.2	1.84	0.00	57.50	0.00	7	51.6	0.14
1123012045	10/22/2018	0.94	2.20	78.40	68.75	1.14	1.9	2.13	51.57	66.56	0.77	77	69.4	1.11
1123012063	10/22/2018	1.00	2.44	83.40	76.25	1.09	2.59	2.36	77.19	73.75	1.05	83	72.5	1.14
1123012144	10/22/2018	1.00	1.71	83.40	53.44	1.56	2.15	1.72	60.85	53.75	1.13	79	52.5	1.5
1123012148	10/22/2018	1.15	1.96	95.91	61.25	1.57	2.48	1.93	73.11	60.31	1.21	94	55.6	1.69
1123012001	10/23/2018	0.92	2.20	76.73	68.75	1.12	2.67	2.14	80.16	66.88	1.20	75	63.8	1.18
1123018087	10/23/2018	0.37	1.20	30.86	37.50	0.82	1.35	1.22	31.14	38.13	0.82	37	37.8	0.98
1123018314	10/26/2018	0.43	1.42	35.86	44.38	0.81	1.42	1.4	33.74	43.75	0.77	37	43.1	0.86
1123018370	10/27/2018	0.64	1.65	53.38	51.56	1.04	2.09	1.66	58.62	51.88	1.13	57	46.6	1.22
1123017029	10/28/2018	0.80	1.80	66.72	56.25	1.19	2.04	1.77	56.77	55.31	1.03	65	51.3	1.27
1123017044	10/28/2018	0.14	1.89	11.68	59.06	0.20	0.55	1.86	1.43	58.13	0.02	17	60.9	0.28
1123017051	10/28/2018	0.26	1.94	21.68	60.63	0.36	1.02	1.86	18.88	58.13	0.32	27	56.6	0.48
1122003012	10/31/2018	0.63	1.38	52.54	43.13	1.22	2.35	1.43	68.28	44.69	1.53	59	40.6	1.45
1122003029	10/31/2018	0.53	1.86	44.20	58.13	0.76	2.1	1.96	58.99	61.25	0.96	53	55.9	0.95
1122003080	10/31/2018	1.07	2.70	89.24	84.38	1.06	2.31	2.73	66.79	85.31	0.78	85	89.4	0.95
1123017219	10/31/2018	0.28	1.79	23.35	55.94	0.42	1.03	1.77	19.25	55.31	0.35	31	54.7	0.57
1123020012	11/2/2018	0.53	2.26	44.20	70.63	0.63	1.03	2.28	19.25	71.25	0.27	44	76.9	0.57
1123020029	11/2/2018	0.18	2.56	15.01	80.00	0.19	0.35	2.43	0.00	75.94	0.00	17	79.7	0.21
1123020044	11/2/2018	0.51	1.42	42.53	44.38	0.96	1.88	1.5	50.82	46.88	1.08	50	45.3	1.1
1123020061	11/2/2018	0.26	1.73	21.68	54.06	0.40	0.93	1.83	15.54	57.19	0.27	27	55.3	0.49
1123020082	11/2/2018	0.19	1.81	15.85	56.56	0.28	0.35	1.79	0.00	55.94	0.00	16	54.7	0.29
1123020109	11/2/2018	0.67	1.26	55.88	39.38	1.42	1.63	1.29	41.54	40.31	1.03	57	37.5	1.52

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1123020126	11/2/2018	0.33	1.49	27.52	46.56	0.59	1.25	1.47	27.43	45.94	0.60	33	42.2	0.78
1123020150	11/2/2018	0.31	1.79	25.85	55.94	0.46	0.8	1.86	10.71	58.13	0.18	26	55.3	0.47
1123020185	11/2/2018	0.50	1.46	41.70	45.63	0.91	1.71	1.47	44.51	45.94	0.97	49	46.3	1.06
1123020214	11/2/2018	0.48	1.42	40.03	44.38	0.90	1.69	1.43	43.77	44.69	0.98	51	43.8	1.17
1122002175	11/3/2018	1.22	1.85	101.75	57.81	1.76	2.75	1.83	83.14	57.19	1.45	104	58.1	1.79
1123019191	11/3/2018	0.26	1.20	21.68	37.50	0.58	0.67	1.2	5.88	37.50	0.16	20	37.8	0.53
1123020197	11/3/2018	1.03	1.16	85.90	36.25	2.37	3.53	1.15	112.10	35.94	3.12	88	37.5	2.35
1122002018	11/4/2018	0.78	1.97	65.05	61.56	1.06	2	2.01	55.28	62.81	0.88	64	64.4	0.99
1122002019	11/4/2018	0.62	2.31	51.71	72.19	0.72	1.5	2.24	36.71	70.00	0.52	49	66.6	0.74
1123019028	11/4/2018	0.14	1.49	11.68	46.56	0.25	0.41	1.48	0.00	46.25	0.00	16	41.9	0.38
1123019133	11/4/2018	0.09	1.08	7.51	33.75	0.22	0.44	1.1	0.00	34.38	0.00	14	34.7	0.4
1123019009	11/7/2018	0.23	2.59	19.18	80.94	0.24	0.66	2.52	5.51	78.75	0.07	18	81.9	0.22
1123019010	11/7/2018	0.32	3.06	26.69	95.63	0.28	0.95	3	16.28	93.75	0.17	26	95	0.27
1123019045	11/7/2018	0.10	1.14	8.34	35.63	0.23	0.28	1.27	0.00	39.69	0.00	11	38.4	0.29
1123019101	11/7/2018	0.51	2.22	42.53	69.38	0.61	1.11	2.19	22.23	68.44	0.32	41	68.8	0.6
1123019140	11/7/2018	0.07	2.05	5.84	64.06	0.09	0.29	2	0.00	62.50	0.00	10	64.7	0.15
1123019151	11/7/2018	0.05	2.00	4.17	62.50	0.07	0.14	1.99	0.00	62.19	0.00	8	57.2	0.14
1123023002	11/8/2018	0.80	2.03	66.72	63.44	1.05	2.04	1.98	56.77	61.88	0.92	68	64.4	1.06
1123023008	11/8/2018	0.58	2.17	48.37	67.81	0.71	1.19	2.12	25.20	66.25	0.38	46	65	0.71
1123019209	11/9/2018	0.08	2.91	6.67	90.94	0.07	0.31	2.78	0.00	86.88	0.00	11	91.9	0.12
1122008031	11/11/2018	1.15	1.82	95.91	56.88	1.69	2.61	1.82	77.94	56.88	1.37	89	57.5	1.55
1122008130	11/11/2018	1.36	1.35	113.42	42.19	2.69	3.47	1.28	109.88	40.00	2.75	113	42.8	2.64
1122010106	11/11/2018	0.31	2.68	25.85	83.75	0.31	1.2	2.62	25.57	81.88	0.31	31	83.1	0.37
1122010119	11/11/2018	0.52	2.01	43.37	62.81	0.69	2.12	2.11	59.74	65.94	0.91	49	63.8	0.77
1122010234	11/11/2018	0.21	2.36	17.51	73.75	0.24	0.67	2.25	5.88	70.31	0.08	19	73.8	0.26
1122010278	11/11/2018	0.25	2.54	20.85	79.38	0.26	0.86	2.58	12.94	80.63	0.16	25	78.8	0.32
1122010283	11/11/2018	0.69	3.76	57.55	117.50	0.49	1.65	3.57	42.28	111.56	0.38	52	114.4	0.45
1122010318	11/11/2018	0.17	1.67	14.18	52.19	0.27	0.52	1.57	0.31	49.06	0.01	16	49.1	0.33
1122010345	11/11/2018	0.13	2.31	10.84	72.19	0.15	0.49	2.32	0.00	72.50	0.00	14	69.4	0.2
1122007095	11/12/2018	1.20	1.78	100.08	55.63	1.80	2.84	1.88	86.48	58.75	1.47	102	56.6	1.8
1122007124	11/12/2018	1.02	1.70	85.07	53.13	1.60	2.56	1.74	76.08	54.38	1.40	80	53.4	1.5
1122010155	11/12/2018	1.22	2.38	101.75	74.38	1.37	3.28	2.48	102.82	77.50	1.33	109	74.7	1.46
1122010170	11/12/2018	1.32	2.55	110.09	79.69	1.38	2.63	2.51	78.68	78.44	1.00	103	79.7	1.29
1122010213	11/12/2018	0.96	2.62	80.06	81.88	0.98	2.29	2.51	66.05	78.44	0.84	74	76.3	0.97
1122010217	11/12/2018	0.24	2.80	20.02	87.50	0.23	0.87	2.93	13.31	91.56	0.15	27	90.3	0.3
1122012010	11/12/2018	0.28	3.54	23.35	110.63	0.21	0.99	3.3	17.77	103.13	0.17	29	109.1	0.27
1122010266	11/13/2018	0.59	1.66	49.21	51.88	0.95	2.28	1.7	65.68	53.13	1.24	54	48.8	1.11
1122008118	11/14/2018	0.99	2.23	82.57	69.69	1.18	2.19	2.22	62.34	69.38	0.90	81	71.9	1.13
1122012158	11/14/2018	0.42	1.06	35.03	33.13	1.06	1.56	1.09	38.94	34.06	1.14	41	34.1	1.2
1122007026	11/16/2018	0.61	1.76	50.87	55.00	0.92	1.93	1.75	52.68	54.69	0.96	56	53.1	1.05
1122012022	11/16/2018	0.52	1.51	43.37	47.19	0.92	2.05	1.55	57.14	48.44	1.18	39	49.1	0.79
1122012038	11/16/2018	0.40	0.92	33.36	28.75	1.16	1.47	0.92	35.60	28.75	1.24	39	27.2	1.43
1122007038	11/17/2018	1.21	1.65	100.91	51.56	1.96	2.54	1.71	75.34	53.44	1.41	102	50	2.04
1122007051	11/17/2018	0.39	2.49	32.53	77.81	0.42	1.17	2.59	24.45	80.94	0.30	36	75	0.48

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1122007092	11/17/2018	0.71	1.89	59.21	59.06	1.00	2.05	1.99	57.14	62.19	0.92	61	57.2	1.07
1122009028	11/17/2018	0.30	1.42	25.02	44.38	0.56	1.43	1.43	34.11	44.69	0.76	36	43.8	0.82
1122014021	11/19/2018	0.39	1.54	32.53	48.13	0.68	1.32	1.56	30.02	48.75	0.62	34	45.3	0.75
1122014157	11/19/2018	0.10	2.11	8.34	65.94	0.13	0.39	2.15	0.00	67.19	0.00	13	62.8	0.21
1122014181	11/19/2018	0.13	1.03	10.84	32.19	0.34	0.47	1.07	0.00	33.44	0.00	15	29.7	0.51
1122016028	11/19/2018	0.44	1.40	36.70	43.75	0.84	1.79	1.41	47.48	44.06	1.08	49	44.4	1.1
1122016065	11/19/2018	0.48	1.78	40.03	55.63	0.72	1.55	1.81	38.57	56.56	0.68	45	54.7	0.82
1122016165	11/19/2018	0.20	1.37	16.68	42.81	0.39	1.19	1.42	25.20	44.38	0.57	25	42.5	0.59
1122014022	11/20/2018	0.40	1.22	33.36	38.13	0.88	1.08	1.23	21.11	38.44	0.55	28	35.6	0.79
1122016094	11/20/2018	0.28	1.43	23.35	44.69	0.52	1.63	1.39	41.54	43.44	0.96	30	42.8	0.7
1122016132	11/20/2018	0.48	1.63	40.03	50.94	0.79	1.56	1.69	38.94	52.81	0.74	43	49.1	0.88
1122016147	11/20/2018	0.60	1.28	50.04	40.00	1.25	2.19	1.31	62.34	40.94	1.52	58	36.3	1.6
1122016176	11/20/2018	0.37	1.63	30.86	50.94	0.61	1.69	1.63	43.77	50.94	0.86	38	48.1	0.79
1122014005	11/23/2018	0.85	1.37	70.89	42.81	1.66	2.69	1.35	80.91	42.19	1.92	70	40	1.75
1122018001	11/26/2018	0.18	2.40	15.01	75.00	0.20	0.51	2.28	0.00	71.25	0.00	15	68.4	0.22
1122018102	11/26/2018	0.15	1.98	12.51	61.88	0.20	0.52	2.01	0.31	62.81	0.00	16	61.6	0.26
1122018145	11/26/2018	0.11	1.92	9.17	60.00	0.15	0.42	2.02	0.00	63.13	0.00	12	56.9	0.21
1122018161	11/26/2018	0.10	1.17	8.34	36.56	0.23	0.49	1.18	0.00	36.88	0.00	15	35	0.43
1122018190	11/26/2018	0.24	1.55	20.02	48.44	0.41	0.86	1.54	12.94	48.13	0.27	20	47.2	0.42
1122018206	11/26/2018	0.21	1.04	17.51	32.50	0.54	0.7	1.06	7.00	33.13	0.21	22	30	0.73
1122018215	11/26/2018	0.33	2.42	27.52	75.63	0.36	1.17	2.39	24.45	74.69	0.33	32	74.4	0.43
1122001134	11/29/2018	0.78	1.96	65.05	61.25	1.06	2.15	1.9	60.85	59.38	1.02	63	58.4	1.08
1122018173	11/29/2018	0.18	1.67	15.01	52.19	0.29	0.48	1.63	0.00	50.94	0.00	15	49.4	0.3
1122019208	11/29/2018	0.72	2.18	60.05	68.13	0.88	1.77	2.14	46.74	66.88	0.70	58	68.8	0.84
1122019006	12/1/2018	0.39	1.54	32.53	48.13	0.68	1.29	1.55	28.91	48.44	0.60	35	47.2	0.74
1122019050	12/1/2018	0.43	1.67	35.86	52.19	0.69	1.35	1.55	31.14	48.44	0.64	38	49.1	0.77
1129051403	1/25/2018	1.00	1.95	83.40	60.94	1.37	1.77	1.94	46.74	60.63	0.77	76	56.6	1.34
1130053515	1/18/2018	0.84	1.35	70.06	42.19	1.66	1.72	1.4	44.88	43.75	1.03	67	40	1.68
1130057500	1/27/2018	0.14	1.72	11.68	53.75	0.22	0.47	1.7	0.00	53.13	0.00	14	44.7	0.31
1130057602	1/27/2018	0.07	1.41	5.84	44.06	0.13	0.08	1.48	0.00	46.25	0.00	4	40.9	0.1
1130057608	1/27/2018	0.06	1.12	5.00	35.00	0.14	0.23	1.17	0.00	36.56	0.00	6	32.5	0.18
1130057720	1/27/2018	0.26	2.16	21.68	67.50	0.32	0.5	2.15	0.00	67.19	0.00	20	55.9	0.36
1130057801	1/27/2018	0.06	3.73	5.00	116.56	0.04	0.13	3.54	0.00	110.63	0.00	6	103.8	0.06
1130057846	1/25/2018	0.36	2.14	30.02	66.88	0.45	0.62	2	4.03	62.50	0.06	27	61.3	0.44
1130057860	1/27/2018	0.05	1.13	4.17	35.31	0.12	0.13	1.15	0.00	35.94	0.00	5	29.7	0.17
1131067010	2/6/2018	0.15	3.22	12.51	100.63	0.12	0.24	3.19	0.00	99.69	0.00	8	96.9	0.08
1131067013	2/6/2018	0.78	1.16	65.05	36.25	1.79	1.97	1.2	54.17	37.50	1.44	68	35.6	1.91
1131067052	2/6/2018	0.15	2.73	12.51	85.31	0.15	0.13	2.85	0.00	89.06	0.00	5	85.6	0.06
1131067102	2/6/2018	0.09	1.55	7.51	48.44	0.15	0.13	1.56	0.00	48.75	0.00	4	43.1	0.09
1129098296	2/12/2018	0.04	2.46	3.34	76.88	0.04	0.15	2.3	0.00	71.88	0.00	6	75.3	0.08
1129098319	2/12/2018	0.06	1.78	5.00	55.63	0.09	0.21	1.77	0.00	55.31	0.00	10	55.3	0.18
1129052024	2/16/2018	0.06	1.93	5.00	60.31	0.08	0.21	1.94	0.00	60.63	0.00	6	61.3	0.1
1129052030	2/16/2018	0.22	1.84	18.35	57.50	0.32	0.37	1.78	0.00	55.63	0.00	16	57.5	0.28
1129052070	2/16/2018	0.14	2.11	11.68	65.94	0.18	0.31	2.18	0.00	68.13	0.00	14	67.8	0.21

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1129098288	2/16/2018	0.07	2.31	5.84	72.19	0.08	0.29	2.25	0.00	70.31	0.00	8	73.8	0.11
1128040017	2/20/2018	0.60	2.70	50.04	84.38	0.59	1.15	2.55	23.71	79.69	0.30	50	81.6	0.61
1128040120	2/20/2018	0.37	1.95	30.86	60.94	0.51	0.73	1.93	8.11	60.31	0.13	31	64.4	0.48
1128040134	2/20/2018	0.64	2.20	53.38	68.75	0.78	1.24	2.12	27.05	66.25	0.41	52	69.7	0.75
1128040136	2/20/2018	0.76	2.28	63.38	71.25	0.89	1.37	2.21	31.88	69.06	0.46	62	73.4	0.84
1129057051	2/21/2018	0.04	1.31	3.34	40.94	0.08	0.23	1.29	0.00	40.31	0.00	9	39.4	0.23
1128040089	2/22/2018	1.00	2.46	83.40	76.88	1.08	2.08	2.42	58.25	75.63	0.77	81	78.4	1.03
1128040090	2/22/2018	0.87	2.73	72.56	85.31	0.85	1.52	2.64	37.45	82.50	0.45	71	86.3	0.82
1128040154	2/22/2018	1.03	2.42	85.90	75.63	1.14	1.86	2.32	50.08	72.50	0.69	90	80.3	1.12
1129057088	2/22/2018	0.56	1.56	46.70	48.75	0.96	2.07	1.51	57.88	47.19	1.23	56	46.9	1.19
1129055021	2/26/2018	0.66	1.82	55.04	56.88	0.97	1.19	1.77	25.20	55.31	0.46	50	50.6	0.99
1128043354	3/8/2018	0.07	1.70	5.84	53.13	0.11	0.35	1.79	0.00	55.94	0.00	11	51.3	0.21
1128042058	3/9/2018	0.17	2.65	14.18	82.81	0.17	0.57	2.49	2.17	77.81	0.03	17	73.1	0.23
1128042050	3/10/2018	0.19	1.47	15.85	45.94	0.34	0.46	1.46	0.00	45.63	0.00	16	41.3	0.39
1128042057	3/10/2018	0.09	2.70	7.51	84.38	0.09	0.34	2.69	0.00	84.06	0.00	11	83.8	0.13
1128042065	3/10/2018	0.09	1.55	7.51	48.44	0.15	0.3	1.67	0.00	52.19	0.00	11	51.6	0.21
1128043429	3/10/2018	0.96	1.83	80.06	57.19	1.40	2.16	1.85	61.22	57.81	1.06	75	55	1.36
1128042035	3/11/2018	0.14	1.55	11.68	48.44	0.24	0.55	1.62	1.43	50.63	0.03	14	46.9	0.3
1128043433	3/11/2018	0.13	2.47	10.84	77.19	0.14	0.41	2.38	0.00	74.38	0.00	14	70.3	0.2
1128043494	3/11/2018	0.21	2.24	17.51	70.00	0.25	0.67	2.28	5.88	71.25	0.08	20	69.7	0.29
1128042134	3/12/2018	0.09	1.77	7.51	55.31	0.14	0.4	1.8	0.00	56.25	0.00	12	53.8	0.22
1128042205	3/12/2018	0.47	2.00	39.20	62.50	0.63	1.29	1.99	28.91	62.19	0.46	42	63.1	0.67
1128043348	3/12/2018	0.36	1.60	30.02	50.00	0.60	0.65	1.58	5.14	49.38	0.10	31	47.2	0.66
1128042220	3/13/2018	1.09	1.93	90.91	60.31	1.51	2.27	2.02	65.31	63.13	1.03	84	60.3	1.39
1128045096	3/21/2018	0.48	1.41	40.03	44.06	0.91	1.69	1.4	43.77	43.75	1.00	46	40.9	1.12
1128045145	3/21/2018	0.55	1.34	45.87	41.88	1.10	1.78	1.3	47.11	40.63	1.16	52	39.4	1.32
1128046168	3/21/2018	0.31	1.95	25.85	60.94	0.42	1.03	1.93	19.25	60.31	0.32	29	54.7	0.53
1127032065	4/1/2018	0.47	1.44	39.20	45.00	0.87	1.57	1.47	39.31	45.94	0.86	44	46.3	0.95
1127032152	4/1/2018	1.41	0.78	117.59	24.38	4.82	2.42	0.75	70.88	23.44	3.02	107	22.2	4.82
1127036083	4/1/2018	0.23	2.13	19.18	66.56	0.29	0.89	2.06	14.05	64.38	0.22	22	64.7	0.34
1230001163	4/5/2018	0.17	1.59	14.18	49.69	0.29	0.18	1.56	0.00	48.75	0.00	11	48.4	0.23
1230001167	4/5/2018	0.02	1.63	1.67	50.94	0.03	0.21	1.63	0.00	50.94	0.00	5	50.3	0.1
1230001209	4/5/2018	0.03	1.35	2.50	42.19	0.06	0.28	1.27	0.00	39.69	0.00	8	41.6	0.19
1127034070	4/6/2018	0.43	1.97	35.86	61.56	0.58	1.37	2.15	31.88	67.19	0.47	40	61.3	0.65
1230001061	4/6/2018	0.26	1.34	21.68	41.88	0.52	0.55	1.41	1.43	44.06	0.03	26	40.9	0.64
1230001066	4/6/2018	0.05	3.05	4.17	95.31	0.04	0.15	3.15	0.00	98.44	0.00	7	98.8	0.07
1230001153	4/6/2018	0.07	1.25	5.84	39.06	0.15	0.07	1.22	0.00	38.13	0.00	7	37.2	0.19
1230001156	4/6/2018	0.03	1.64	2.50	51.25	0.05	0.18	1.72	0.00	53.75	0.00	7	49.4	0.14
1230001204	4/6/2018	0.13	0.92	10.84	28.75	0.38	0.14	0.88	0.00	27.50	0.00	5	27.5	0.18
1127034125	4/7/2018	0.65	1.56	54.21	48.75	1.11	1.85	1.5	49.71	46.88	1.06	57	46.6	1.22
1127034182	4/7/2018	0.69	1.59	57.55	49.69	1.16	2.15	1.56	60.85	48.75	1.25	60	48.4	1.24
1230001052	4/7/2018	0.16	1.40	13.34	43.75	0.31	0.43	1.45	0.00	45.31	0.00	14	42.2	0.33
1230002222	4/8/2018	0.06	1.62	5.00	50.63	0.10	0.13	1.48	0.00	46.25	0.00	5	48.1	0.1
1230002012	4/14/2018	0.05	1.43	4.17	44.69	0.09	0.8	2	10.71	62.50	0.17	25	65.9	0.38

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1230002037	4/14/2018	0.03	1.88	2.50	58.75	0.04	0.11	1.79	0.00	55.94	0.00	4	56.3	0.07
1230002057	4/14/2018	0.02	2.40	1.67	75.00	0.02	0.09	2.51	0.00	78.44	0.00	5	78.8	0.06
1230002076	4/14/2018	0.03	1.63	2.50	50.94	0.05	0.03	1.54	0.00	48.13	0.00	3	46.9	0.06
1230002127	4/14/2018	0.07	2.94	5.84	91.88	0.06	0.2	2.97	0.00	92.81	0.00	7	91.9	0.08
1230002003	4/15/2018	0.06	1.89	5.00	59.06	0.08	0.1	1.96	0.00	61.25	0.00	5	59.1	0.08
1127042162	4/21/2018	0.70	1.90	58.38	59.38	0.98	2.32	1.9	67.16	59.38	1.13	63	60.3	1.04
1126016009	5/4/2018	1.14	1.99	95.08	62.19	1.53	2.98	2.04	91.68	63.75	1.44	88	63.1	1.39
1126016036	5/5/2018	0.88	2.37	73.39	74.06	0.99	2.3	2.38	66.42	74.38	0.89	66	70.6	0.93
1126016046	5/5/2018	0.96	1.76	80.06	55.00	1.46	2.54	1.87	75.34	58.44	1.29	77	54.1	1.42
1126016035	5/8/2018	1.19	2.37	99.25	74.06	1.34	2.53	2.52	74.96	78.75	0.95	89	73.8	1.21
1126018058	5/8/2018	0.84	1.57	70.06	49.06	1.43	2.83	1.64	86.11	51.25	1.68	73	48.8	1.5
1126019243	5/8/2018	1.23	2.07	102.58	64.69	1.59	2.61	2.08	77.94	65.00	1.20	108	60	1.8
1126018041	5/9/2018	0.59	1.56	49.21	48.75	1.01	2.2	1.73	62.71	54.06	1.16	56	50.6	1.11
1126019156	5/9/2018	0.61	2.09	50.87	65.31	0.78	1.76	2.19	46.37	68.44	0.68	50	65.9	0.76
1126019233	5/9/2018	0.93	2.77	77.56	86.56	0.90	2.25	2.98	64.57	93.13	0.69	81	88.1	0.92
1126020040	5/31/2018	0.49	1.26	40.87	39.38	1.04	2.09	1.32	58.62	41.25	1.42	49	39.4	1.24
1126020080	5/31/2018	0.32	1.35	26.69	42.19	0.63	1.63	1.41	41.54	44.06	0.94	34	40	0.85
1126020138	5/31/2018	0.32	1.25	26.69	39.06	0.68	1.48	1.36	35.97	42.50	0.85	34	39.4	0.86
1127040039	6/5/2018	0.57	2.05	47.54	64.06	0.74	1.05	1.95	20.00	60.94	0.33	42	59.1	0.71
1127040040	6/5/2018	0.62	3.25	51.71	101.56	0.51	1.29	3.13	28.91	97.81	0.30	47	97.2	0.48
1127040028	6/6/2018	0.35	2.81	29.19	87.81	0.33	0.81	2.67	11.08	83.44	0.13	29	75.3	0.39
1127040453	6/7/2018	0.46	1.17	38.36	36.56	1.05	1.06	1.12	20.37	35.00	0.58	38	34.7	1.1
1125024059	7/13/2018	0.76	2.17	63.38	67.81	0.93	2.22	2.12	63.45	66.25	0.96	64	70.3	0.91
1125024041	7/14/2018	1.00	2.10	83.40	65.63	1.27	2.44	2	71.62	62.50	1.15	74	65.6	1.13
1125024056	7/14/2018	0.17	1.48	14.18	46.25	0.31	0.56	1.47	1.80	45.94	0.04	18	44.4	0.41
1125024115	7/14/2018	0.21	2.97	17.51	92.81	0.19	0.76	2.78	9.23	86.88	0.11	24	91.3	0.26
1125024150	7/14/2018	0.28	1.37	23.35	42.81	0.55	0.85	1.3	12.57	40.63	0.31	27	38.1	0.71
1125024049	7/15/2018	1.10	1.80	91.74	56.25	1.63	3.16	1.78	98.36	55.63	1.77	87	55	1.58
1125024073	7/15/2018	0.28	1.67	23.35	52.19	0.45	1.13	1.58	22.97	49.38	0.47	31	50.6	0.61
1124004001	8/7/2018	0.84	2.35	70.06	73.44	0.95	1.74	2.23	45.62	69.69	0.65	66	68.1	0.97
1124004002	8/7/2018	1.01	2.28	84.23	71.25	1.18	2.01	2.08	55.65	65.00	0.86	78	63.4	1.23
1124004010	8/7/2018	0.43	1.19	35.86	37.19	0.96	1.28	1.78	28.54	55.63	0.51	49	57.2	0.86
1124004030	8/7/2018	0.52	2.30	43.37	71.88	0.60	0.97	2.13	17.03	66.56	0.26	37	65.6	0.56
1124004054	8/7/2018	1.02	2.20	85.07	68.75	1.24	2.14	2.03	60.48	63.44	0.95	79	62.8	1.26
1124004070	8/7/2018	0.59	1.95	49.21	60.94	0.81	1.04	1.88	19.63	58.75	0.33	42	57.2	0.73
1124004100	8/7/2018	0.62	2.02	51.71	63.13	0.82	1.37	1.87	31.88	58.44	0.55	52	59.1	0.88
1124004104	8/7/2018	0.91	1.78	75.89	55.63	1.36	2.07	1.76	57.88	55.00	1.05	75	51.3	1.46
1124004127	8/7/2018	0.69	1.84	57.55	57.50	1.00	1.68	1.68	43.40	52.50	0.83	56	53.1	1.05
1124005001	8/12/2018	0.89	2.01	74.23	62.81	1.18	1.93	2.02	52.68	63.13	0.83	71	59.4	1.2
1124005016	8/12/2018	0.74	2.13	61.72	66.56	0.93	1.75	2.03	46.00	63.44	0.73	56	66.3	0.85
1124005225	8/12/2018	0.68	2.25	56.71	70.31	0.81	1.8	2.2	47.85	68.75	0.70	53	71.3	0.74
1124005043	8/13/2018	0.88	1.98	73.39	61.88	1.19	2.46	1.84	72.36	57.50	1.26	69	64.1	1.08
1124005065	8/13/2018	0.70	2.05	58.38	64.06	0.91	1.88	2.11	50.82	65.94	0.77	56	66.6	0.84
1124005035	8/14/2018	0.79	2.00	65.89	62.50	1.05	2.47	1.96	72.74	61.25	1.19	63	65.9	0.96

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1124005041	8/14/2018	0.94	1.96	78.40	61.25	1.28	2.88	1.89	87.96	59.06	1.49	75	64.7	1.16
1124005105	8/15/2018	0.68	1.87	56.71	58.44	0.97	1.97	1.8	54.17	56.25	0.96	55	57.5	0.96
1124005122	8/15/2018	0.69	1.84	57.55	57.50	1.00	2.12	1.73	59.74	54.06	1.10	57	54.4	1.05
1124005187	8/15/2018	0.73	1.83	60.88	57.19	1.06	1.82	1.75	48.59	54.69	0.89	55	57.2	0.96
1124005123	8/16/2018	0.65	1.88	54.21	58.75	0.92	2.07	1.81	57.88	56.56	1.02	54	55.9	0.97
1124005140	8/16/2018	0.71	2.50	59.21	78.13	0.76	1.99	2.49	54.91	77.81	0.71	56	73.8	0.76
1124005160	8/17/2018	0.75	1.86	62.55	58.13	1.08	2.18	1.87	61.97	58.44	1.06	58	54.4	1.07
1123009130	10/3/2018	1.10	1.84	91.74	57.50	1.60	2.29	1.83	66.05	57.19	1.15	81	54.1	1.5
1123009135	10/3/2018	0.98	2.75	81.73	85.94	0.95	2.12	2.68	59.74	83.75	0.71	77	85.3	0.9
1123014107	10/14/2018	0.72	1.55	60.05	48.44	1.24	2.29	1.67	66.05	52.19	1.27	58	50.3	1.15
1123014114	10/14/2018	0.56	1.63	46.70	50.94	0.92	1.75	1.61	46.00	50.31	0.91	45	49.4	0.91
1123014173	10/14/2018	0.50	1.27	41.70	39.69	1.05	1.96	1.49	53.79	46.56	1.16	47	41.6	1.13
1123014010	10/17/2018	0.34	1.61	28.36	50.31	0.56	1.94	1.61	53.05	50.31	1.05	35	52.2	0.67
1123014020	10/17/2018	0.14	1.84	11.68	57.50	0.20	1.52	1.84	37.45	57.50	0.65	17	52.8	0.32
1123018114	10/21/2018	0.68	0.14	56.71	4.38	12.96	2.83	0.15	86.11	4.69	18.37	68	4.1	16.74
1123018056	10/22/2018	0.26	1.36	21.68	42.50	0.51	1.6	1.33	40.42	41.56	0.97	31	37.8	0.82
1123018074	10/22/2018	0.44	1.85	36.70	57.81	0.63	1.92	1.77	52.31	55.31	0.95	46	52.5	0.88
1123018021	10/23/2018	0.56	0.77	46.70	24.06	1.94	2.18	0.81	61.97	25.31	2.45	51	24.7	2.07
1123017100	10/28/2018	0.23	1.17	19.18	36.56	0.52	1.16	1.14	24.08	35.63	0.68	26	35.3	0.74
1123017125	10/28/2018	0.11	1.36	9.17	42.50	0.22	0.84	1.31	12.20	40.94	0.30	16	37.8	0.42
1123017164	10/28/2018	0.40	1.11	33.36	34.69	0.96	1.73	1.1	45.25	34.38	1.32	41	32.5	1.26
1122003063	10/31/2018	1.02	2.36	85.07	73.75	1.15	2.35	2.36	68.28	73.75	0.93	85	70.9	1.2
1122003064	10/31/2018	0.79	1.97	65.89	61.56	1.07	2.26	1.95	64.94	60.94	1.07	74	57.2	1.29
1123016033	10/31/2018	0.06	0.17	5.00	5.31	0.94	2.39	1.81	69.76	56.56	1.23	59	54.1	1.09
1123016122	10/31/2018	0.61	1.80	50.87	56.25	0.90	2.22	1.71	63.45	53.44	1.19	58	50.6	1.15
1123016195	10/31/2018	0.44	1.79	36.70	55.94	0.66	2.29	1.7	66.05	53.13	1.24	45	51.6	0.87
1123016221	10/31/2018	0.35	1.53	29.19	47.81	0.61	2.14	1.52	60.48	47.50	1.27	38	42.8	0.89
1123017062	10/31/2018	0.54	1.41	45.04	44.06	1.02	1.8	1.39	47.85	43.44	1.10	49	41.3	1.19
1123017069	10/31/2018	0.27	1.92	22.52	60.00	0.38	0.92	1.85	15.17	57.81	0.26	26	59.1	0.44
1123017086	10/31/2018	0.11	2.24	9.17	70.00	0.13	0.5	2.11	0.00	65.94	0.00	16	63.4	0.25
1123017145	10/31/2018	0.40	1.11	33.36	34.69	0.96	1.8	1.03	47.85	32.19	1.49	41	29.1	1.41
1123017172	10/31/2018	0.22	3.14	18.35	98.13	0.19	0.73	2.98	8.11	93.13	0.09	22	98.1	0.22
1123017189	10/31/2018	0.14	1.37	11.68	42.81	0.27	0.79	1.32	10.34	41.25	0.25	17	39.7	0.43
1123017241	10/31/2018	0.40	1.34	33.36	41.88	0.80	1.57	1.3	39.31	40.63	0.97	44	38.4	1.14
1122010006	11/13/2018	0.28	2.41	23.35	75.31	0.31	1.64	2.34	41.91	73.13	0.57	27	70	0.39
1122010025	11/13/2018	0.32	1.55	26.69	48.44	0.55	1.99	1.48	54.91	46.25	1.19	33	46.9	0.7
1122010143	11/13/2018	0.28	1.69	23.35	52.81	0.44	1.99	1.71	54.91	53.44	1.03	35	51.6	0.68
1122010270	11/13/2018	0.22	1.31	18.35	40.94	0.45	1.56	1.39	38.94	43.44	0.90	23	41.9	0.55
1122009089	11/14/2018	0.10	1.12	8.34	35.00	0.24	1.79	1.16	47.48	36.25	1.31	1	34.4	0.005
1122012108	11/14/2018	0.25	1.89	20.85	59.06	0.35	0.84	1.84	12.20	57.50	0.21	23	58.1	0.4
1122012128	11/14/2018	0.21	1.70	17.51	53.13	0.33	1.02	1.63	18.88	50.94	0.37	28	52.8	0.53
1122009066	11/16/2018	0.12	1.30	10.01	40.63	0.25	1.16	1.34	24.08	41.88	0.58	18	41.3	0.44
1122014107	11/18/2018	0.68	2.35	56.71	73.44	0.77	1.78	2.53	47.11	79.06	0.60	57	76.9	0.74
1122014105	11/19/2018	0.25	1.20	20.85	37.50	0.56	0.96	1.55	16.65	48.44	0.34	25	48.8	0.51

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1122016114	11/19/2018	0.25	1.07	20.85	33.44	0.62	1.62	1.15	41.17	35.94	1.15	31	33.8	0.92
1122016152	11/19/2018	0.11	0.73	9.17	22.81	0.40	1.1	0.79	21.85	24.69	0.89	17	22.2	0.77
1122014101	11/20/2018	0.44	1.28	36.70	40.00	0.92	2.05	1.31	57.14	40.94	1.40	48	38.1	1.26
1128031013	1/18/2018	0.83	1.88	69.22	58.75	1.18	1.71	1.82	44.51	56.88	0.78	59	57.5	1.03
1128031085	1/18/2018	1.37	2.01	114.26	62.81	1.82	2.66	2.03	79.79	63.44	1.26	98	62.8	1.56
1128031105	1/18/2018	1.08	2.12	90.07	66.25	1.36	2.39	2.12	69.76	66.25	1.05	85	66.3	1.28
1128032006	1/20/2018	1.09	2.32	90.91	72.50	1.25	2.49	2.2	73.48	68.75	1.07	97	66.3	1.46
1128032009	1/20/2018	0.74	1.51	61.72	47.19	1.31	2	1.51	55.28	47.19	1.17	65	46.3	1.41
1128032041	1/20/2018	1.11	2.06	92.57	64.38	1.44	2.23	1.83	63.82	57.19	1.12	89	52.8	1.69
1128032057	1/20/2018	1.03	1.42	85.90	44.38	1.94	2.28	1.38	65.68	43.13	1.52	80	42.5	1.88
1128034015	1/20/2018	0.55	1.50	45.87	46.88	0.98	1.38	1.28	32.25	40.00	0.81	28	39.1	0.72
1128034032	1/20/2018	0.71	1.36	59.21	42.50	1.39	2.26	1.36	64.94	42.50	1.53	63	43.1	1.46
1129049016	1/17/2018	0.73	2.15	60.88	67.19	0.91	2.31	2.03	66.79	63.44	1.05	62	64.7	0.96
1129049020	1/17/2018	0.66	1.99	55.04	62.19	0.89	2.27	1.97	65.31	61.56	1.06	57	60	0.95
1129049207	1/18/2018	0.24	1.82	20.02	56.88	0.35	0.91	1.86	14.80	58.13	0.25	24	57.2	0.42
1129049225	1/18/2018	0.39	2.00	32.53	62.50	0.52	1.49	2.06	36.34	64.38	0.56	40	59.1	0.68
1129050027	1/19/2018	0.48	2.49	40.03	77.81	0.51	1.74	2.53	45.62	79.06	0.58	44	76.6	0.57
1129050034	1/6/2018	0.00	1.95	0.00	60.94	0.00	0.8	1.96	10.71	61.25	0.17	20	61.3	0.33
1128037001	2/6/2018	1.17	1.40	97.58	43.75	2.23	2.68	1.47	80.54	45.94	1.75	98	44.1	2.22
1128037020	2/6/2018	1.01	1.89	84.23	59.06	1.43	2.42	1.87	70.88	58.44	1.21	84	56.9	1.48
1128037021	2/6/2018	0.97	1.85	80.90	57.81	1.40	2.31	1.86	66.79	58.13	1.15	78	53.8	1.45
1128037050	2/6/2018	1.59	1.66	132.61	51.88	2.56	2.17	1.64	61.59	51.25	1.20	88	43.8	2.01
1128037098	2/6/2018	0.98	2.36	81.73	73.75	1.11	1.95	2.24	53.42	70.00	0.76	77	70.6	1.09
1128037112	2/6/2018	0.14	2.21	11.68	69.06	0.17	0.25	2.09	0.00	65.31	0.00	11	65.3	0.17
1128037128	2/6/2018	0.46	2.09	38.36	65.31	0.59	1.3	2.05	29.28	64.06	0.46	37	59.4	0.62
1128038092	2/8/2018	0.29	2.10	24.19	65.63	0.37	0.59	1.96	2.91	61.25	0.05	25	60.6	0.41
1129052011	2/16/2018	0.25	1.04	20.85	32.50	0.64	0.62	1.04	4.03	32.50	0.12	18	31.9	0.56
1129052013	2/16/2018	0.03	1.80	2.50	56.25	0.04	0.12	1.8	0.00	56.25	0.00	5	59.1	0.08
1129053064	2/16/2018	0.49	1.87	40.87	58.44	0.70	0.76	1.65	9.23	51.56	0.18	35	60	0.58
1129053111	2/18/2018	0.08	1.59	6.67	49.69	0.13	0.17	1.6	0.00	50.00	0.00	8	50	0.16
1127024027	2/24/2018	0.13	1.38	10.84	43.13	0.25	1.1	1.54	21.85	48.13	0.45	18	45.6	0.39
1129056006	2/25/2018	0.03	1.17	2.50	36.56	0.07	0.25	1.28	0.00	40.00	0.00	7	35.6	0.2
1129056030	2/25/2018	0.02	2.62	1.67	81.88	0.02	0.15	2.63	0.00	82.19	0.00	4	77.5	0.05
1129056034	2/25/2018	0.39	3.02	32.53	94.38	0.34	1.12	3.08	22.60	96.25	0.23	32	92.5	0.35
1127024038	2/26/2018	0.61	2.14	50.87	66.88	0.76	1.95	2.12	53.42	66.25	0.81	53	65.3	0.81
1128037014	3/2/2018	1.19	1.87	99.25	58.44	1.70	2.44	1.82	71.62	56.88	1.26	98	57.8	1.7
1128043317	3/9/2018	0.28	1.64	23.35	51.25	0.46	0.95	1.76	16.28	55.00	0.30	28	52.5	0.53
1128043350	3/9/2018	0.28	2.36	23.35	73.75	0.32	0.92	2.38	15.17	74.38	0.20	29	76.9	0.38
1128043373	3/9/2018	0.71	2.17	59.21	67.81	0.87	1.65	2.15	42.28	67.19	0.63	62	67.5	0.92
1128043410	3/9/2018	0.22	1.55	18.35	48.44	0.38	0.7	1.57	7.00	49.06	0.14	24	49.1	0.49
1128043423	3/9/2018	0.05	1.56	4.17	48.75	0.09	0.25	1.57	0.00	49.06	0.00	11	46.9	0.23
1128043416	3/10/2018	0.52	1.11	43.37	34.69	1.25	1.4	1.11	33.00	34.69	0.95	48	33.1	1.45
1128043465	3/10/2018	0.35	2.23	29.19	69.69	0.42	0.86	2.24	12.94	70.00	0.18	33	68.1	0.48
1128043485	3/10/2018	0.36	1.74	30.02	54.38	0.55	1	1.67	18.14	52.19	0.35	35	51.9	0.67

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1128043454	3/12/2018	0.54	1.39	45.04	43.44	1.04	1.09	1.47	21.48	45.94	0.47	43	43.8	0.98
1127026106	3/17/2018	0.60	1.65	50.04	51.56	0.97	2.1	1.65	58.99	51.56	1.14	55	49.1	1.12
1128048121	3/21/2018	0.35	2.46	29.19	76.88	0.38	0.86	2.57	12.94	80.31	0.16	29	75.6	0.38
1127031118	3/23/2018	0.07	4.48	5.84	140.00	0.04	0.26	4.09	0.00	127.81	0.00	8	126.6	0.06
1127031151	3/23/2018	0.80	2.34	66.72	73.13	0.91	1.79	2.27	47.48	70.94	0.67	65	68.8	0.95
1127031178	3/23/2018	0.45	1.26	37.53	39.38	0.95	1.5	1.27	36.71	39.69	0.92	45	36.9	1.22
1128047069	3/23/2018	0.19	1.85	15.85	57.81	0.27	0.73	2.03	8.11	63.44	0.13	17	62.5	0.27
1128047120	3/23/2018	0.92	1.69	76.73	52.81	1.45	1.86	1.66	50.08	51.88	0.97	72	48.1	1.5
1128047044	3/24/2018	0.05	1.91	4.17	59.69	0.07	0.33	1.86	0.00	58.13	0.00	6	55.6	0.11
1128048042	3/24/2018	0.41	2.56	34.19	80.00	0.43	0.95	2.45	16.28	76.56	0.21	31	74.1	0.42
1128048052	3/24/2018	0.26	1.82	21.68	56.88	0.38	0.54	1.78	1.06	55.63	0.02	20	54.7	0.37
1127031097	3/25/2018	0.06	2.44	5.00	76.25	0.07	0.32	2.34	0.00	73.13	0.00	12	70.3	0.17
1127031133	3/25/2018	0.12	1.91	10.01	59.69	0.17	0.81	1.9	11.08	59.38	0.19	19	57.2	0.33
1128048069	3/25/2018	0.48	1.98	40.03	61.88	0.65	1.62	1.96	41.17	61.25	0.67	43	55.6	0.77
1128048112	3/25/2018	0.49	2.31	40.87	72.19	0.57	1.38	2.26	32.25	70.63	0.46	41	65.3	0.63
1127030010	3/26/2018	1.16	2.11	96.74	65.94	1.47	2.47	2.06	72.74	64.38	1.13	95	64.7	1.47
1127031088	3/26/2018	0.09	1.30	7.51	40.63	0.18	0.42	1.4	0.00	43.75	0.00	15	40.6	0.37
1128047015	3/26/2018	0.04	2.08	3.34	65.00	0.05	0.24	2.07	0.00	64.69	0.00	8	63.1	0.13
1128048058	3/26/2018	0.15	2.57	12.51	80.31	0.16	0.49	2.52	0.00	78.75	0.00	14	75	0.19
1127030050	3/29/2018	0.49	1.80	40.87	56.25	0.73	1.35	1.77	31.14	55.31	0.56	44	56.3	0.78
1127030101	3/29/2018	0.07	1.50	5.84	46.88	0.12	0.34	1.53	0.00	47.81	0.00	11	49.4	0.22
1127032002	4/1/2018	0.38	1.23	31.69	38.44	0.82	1.61	1.25	40.80	39.06	1.04	42	40	1.05
1127032073	4/1/2018	0.40	1.00	33.36	31.25	1.07	1.32	1	30.02	31.25	0.96	39	31.3	1.25
1127034039	4/6/2018	0.24	2.08	20.02	65.00	0.31	0.84	1.98	12.20	61.88	0.20	27	62.2	0.43
1127034053	4/6/2018	0.08	1.77	6.67	55.31	0.12	0.32	1.75	0.00	54.69	0.00	10	50.6	0.2
1127034075	4/6/2018	0.34	2.21	28.36	69.06	0.41	1.19	2.26	25.20	70.63	0.36	35	68.8	0.51
1127034094	4/6/2018	10.70	2.85	892.38	89.06	10.02	0.26	3.17	0.00	99.06	0.00	9	94.1	0.1
1127034134	4/7/2018	0.39	1.66	32.53	51.88	0.63	1.16	1.65	24.08	51.56	0.47	39	50	0.78
1127034057	4/8/2018	0.08	1.53	6.67	47.81	0.14	0.36	1.54	0.00	48.13	0.00	13	49.4	0.26
1127038031	4/8/2018	1.07	1.69	89.24	52.81	1.69	2.72	1.75	82.02	54.69	1.50	92	50.3	1.83
1127038060	4/8/2018	1.33	1.22	110.92	38.13	2.91	3.07	1.51	95.02	47.19	2.01	111	43.1	2.57
1127038013	4/9/2018	1.13	2.03	94.24	63.44	1.49	3.04	2.03	93.91	63.44	1.48	95	61.3	1.55
1127038030	4/9/2018	0.63	1.80	52.54	56.25	0.93	2.07	1.86	57.88	58.13	1.00	58	57.2	1.01
1127041124	4/12/2018	0.88	2.02	73.39	63.13	1.16	1.74	1.94	45.62	60.63	0.75	73	65.3	1.12
1127041136	4/12/2018	0.32	2.28	26.69	71.25	0.37	0.68	2.23	6.26	69.69	0.09	27	61.6	0.44
1127041170	4/12/2018	0.50	2.19	41.70	68.44	0.61	1.11	2.19	22.23	68.44	0.32	43	66.6	0.65
1127041181	4/12/2018	0.57	1.23	47.54	38.44	1.24	1.37	1.27	31.88	39.69	0.80	48	38.1	1.26
1127041214	4/12/2018	0.56	2.11	46.70	65.94	0.71	1.2	2.09	25.57	65.31	0.39	47	63.1	0.74
1127041193	4/16/2018	0.38	2.00	31.69	62.50	0.51	1.23	2.11	26.68	65.94	0.40	35	64.1	0.55
1126004054	4/18/2018	0.69	1.10	57.55	34.38	1.67	2.37	1.21	69.02	37.81	1.83	61	36.6	1.67
1126004082	4/18/2018	0.34	1.89	28.36	59.06	0.48	1.33	1.83	30.40	57.19	0.53	37	54.4	0.68
1126004134	4/18/2018	0.29	1.46	24.19	45.63	0.53	1.37	1.36	31.88	42.50	0.75	36	44.7	0.81
1126014154	5/3/2018	0.31	1.08	25.85	33.75	0.77	1.38	1.09	32.25	34.06	0.95	30	31.9	0.94
1126014171	5/4/2018	0.24	1.05	20.02	32.81	0.61	1.36	1.13	31.51	35.31	0.89	26	32.2	0.81

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1126014159	5/5/2018	0.17	1.32	14.18	41.25	0.34	0.87	1.38	13.31	43.13	0.31	22	40.6	0.54
1126016005	5/5/2018	0.80	2.34	66.72	73.13	0.91	2.49	2.41	73.48	75.31	0.98	65	76.3	0.85
1126016023	5/5/2018	1.00	2.40	83.40	75.00	1.11	2.57	2.42	76.45	75.63	1.01	78	75	1.04
1126018054	5/8/2018	1.32	1.45	110.09	45.31	2.43	3.02	1.49	93.16	46.56	2.00	110	44.1	2.5
1126018073	5/8/2018	1.16	1.63	96.74	50.94	1.90	2.85	1.73	86.85	54.06	1.61	90	49.7	1.81
1126018048	5/9/2018	1.07	1.83	89.24	57.19	1.56	2.68	2.02	80.54	63.13	1.28	90	59.1	1.52
1126018050	5/9/2018	1.10	2.15	91.74	67.19	1.37	2.69	2.25	80.91	70.31	1.15	87	66.3	1.31
1126024027	5/10/2018	0.76	2.63	63.38	82.19	0.77	2.72	2.8	82.02	87.50	0.94	69	83.4	0.83
1126024019	5/11/2018	0.11	1.90	9.17	59.38	0.15	0.46	1.82	0.00	56.88	0.00	13	53.8	0.24
1126024083	5/12/2018	0.11	1.98	9.17	61.88	0.15	0.52	1.93	0.31	60.31	0.01	14	58.4	0.24
1126024156	5/12/2018	0.50	1.37	41.70	42.81	0.97	1.74	1.31	45.62	40.94	1.11	48	40.3	1.19
1126020012	5/31/2018	0.28	1.03	23.35	32.19	0.73	1.39	1.12	32.62	35.00	0.93	29	33.8	0.86
1126020066	5/31/2018	0.14	1.68	11.68	52.50	0.22	0.69	1.7	6.63	53.13	0.12	14	54.1	0.26
1126020135	5/31/2018	0.54	1.63	45.04	50.94	0.88	1.88	1.74	50.82	54.38	0.93	43	49.4	0.87
1126020164	5/31/2018	0.29	2.11	24.19	65.94	0.37	1.14	2.24	23.34	70.00	0.33	29	65	0.45
1126020191	5/31/2018	0.36	2.92	30.02	91.25	0.33	0.93	2.76	15.54	86.25	0.18	27	87.2	0.31
1126026106	6/3/2018	0.34	1.26	28.36	39.38	0.72	1.44	1.2	34.48	37.50	0.92	33	36.6	0.9
1126026108	6/3/2018	0.41	1.68	34.19	52.50	0.65	1.68	1.7	43.40	53.13	0.82	42	47.5	0.88
1126026165	6/3/2018	0.25	2.10	20.85	65.63	0.32	0.98	2.09	17.40	65.31	0.27	26	64.1	0.41
1127040421	6/6/2018	0.75	1.81	62.55	56.56	1.11	1.72	1.77	44.88	55.31	0.81	58	53.8	1.08
1127040465	6/7/2018	0.29	2.37	24.19	74.06	0.33	0.87	2.27	13.31	70.94	0.19	29	70.9	0.41
1126028044	6/9/2018	0.84	2.68	70.06	83.75	0.84	1.55	2.63	38.57	82.19	0.47	66	80.3	0.82
1126028050	6/9/2018	0.45	1.78	37.53	55.63	0.67	1.4	1.83	33.00	57.19	0.58	39	57.8	0.67
1126028103	6/9/2018	1.01	2.15	84.23	67.19	1.25	2.18	2.13	61.97	66.56	0.93	80	64.1	1.25
1126028116	6/9/2018	0.98	2.31	81.73	72.19	1.13	2.31	2.28	66.79	71.25	0.94	80	69.4	1.15
1126028092	6/10/2018	0.93	2.05	77.56	64.06	1.21	2.2	2.1	62.71	65.63	0.96	75	60.6	1.24
1126028449	6/10/2018	1.00	2.32	83.40	72.50	1.15	2.26	2.21	64.94	69.06	0.94	82	67.5	1.21
1126026145	6/11/2018	0.63	1.57	52.54	49.06	1.07	1.66	1.58	42.65	49.38	0.86	46	50	0.92
1126026210	6/12/2018	0.97	1.48	80.90	46.25	1.75	1.98	1.49	54.54	46.56	1.17	77	45	1.71
1126027161	6/12/2018	0.63	2.69	52.54	84.06	0.63	1.36	2.6	31.51	81.25	0.39	52	77.8	0.67
1126026121	6/14/2018	0.60	2.88	50.04	90.00	0.56	1.27	2.77	28.17	86.56	0.33	34	85	0.4
1126030007	6/15/2018	0.17	2.97	14.18	92.81	0.15	0.59	2.78	2.91	86.88	0.03	17	93.1	0.18
1126030027	6/15/2018	0.71	1.09	59.21	34.06	1.74	1.89	1.1	51.19	34.38	1.49	61	34.4	1.77
1126030053	6/15/2018	0.33	1.08	27.52	33.75	0.82	1.1	1.13	21.85	35.31	0.62	36	35	1.03
1126030064	6/16/2018	0.33	1.42	27.52	44.38	0.62	0.9	1.55	14.43	48.44	0.30	32	45	0.71
1126031022	6/18/2018	0.96	1.63	80.06	50.94	1.57	1.92	1.62	52.31	50.63	1.03	73	47.5	1.54
1126031198	6/18/2018	0.18	1.36	15.01	42.50	0.35	0.72	1.36	7.74	42.50	0.18	24	41.9	0.57
1126031001	6/19/2018	0.39	2.81	32.53	87.81	0.37	1.2	2.68	25.57	83.75	0.31	35	84.1	0.42
1126031050	6/19/2018	0.44	2.22	36.70	69.38	0.53	1.18	2.04	24.83	63.75	0.39	35	62.8	0.56
1126031059	6/19/2018	0.38	2.72	31.69	85.00	0.37	1.15	2.5	23.71	78.13	0.30	35	78.8	0.44
1126031196	6/19/2018	0.04	2.06	3.34	64.38	0.05	0.17	1.92	0.00	60.00	0.00	9	57.8	0.16
1126029061	6/20/2018	0.99	2.15	82.57	67.19	1.23	2.48	2.43	73.11	75.94	0.96	90	77.2	1.17
1126029064	6/20/2018	0.29	2.40	24.19	75.00	0.32	0.64	2.31	4.77	72.19	0.07	22	70	0.31
1126029101	6/20/2018	0.77	2.97	64.22	92.81	0.69	1.48	2.67	35.97	83.44	0.43	58	82.8	0.7

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1126029118	6/20/2018	0.75	2.09	62.55	65.31	0.96	2.18	2.03	61.97	63.44	0.98	61	62.8	0.97
1126029624	6/20/2018	0.87	2.11	72.56	65.94	1.10	1.89	1.9	51.19	59.38	0.86	70	58.4	1.2
1126031023	6/20/2018	0.78	1.73	65.05	54.06	1.20	1.57	1.66	39.31	51.88	0.76	62	51.3	1.21
1126031141	6/20/2018	0.34	2.30	28.36	71.88	0.39	1.09	2.29	21.48	71.56	0.30	31	65	0.48
1126031148	6/20/2018	0.11	1.28	9.17	40.00	0.23	0.45	1.23	0.00	38.44	0.00	18	38.4	0.47
1126029057	6/21/2018	1.29	2.24	107.59	70.00	1.54	2.04	2.18	56.77	68.13	0.83	76	68.4	1.11
1126029083	6/21/2018	0.65	2.13	54.21	66.56	0.81	1.66	1.79	42.65	55.94	0.76	47	53.4	0.88
1126031101	6/21/2018	0.17	1.85	14.18	57.81	0.25	0.59	1.86	2.91	58.13	0.05	18	57.8	0.31
1126032080	6/24/2018	0.48	1.73	40.03	54.06	0.74	1.74	1.84	45.62	57.50	0.79	43	54.7	0.79
1126032024	6/26/2018	0.66	1.89	55.04	59.06	0.93	2.29	2.06	66.05	64.38	1.03	58	60.9	0.95
1125009001	7/3/2018	0.76	1.37	63.38	42.81	1.48	2.47	1.34	72.74	41.88	1.74	69	41.9	1.65
1125016150	7/8/2018	0.40	1.44	33.36	45.00	0.74	1.68	1.48	43.40	46.25	0.94	39	42.5	0.92
1125016153	7/8/2018	0.37	1.49	30.86	46.56	0.66	1.43	1.43	34.11	44.69	0.76	33	43.1	0.77
1125012020	7/9/2018	0.33	0.73	27.52	22.81	1.21	1.57	0.75	39.31	23.44	1.68	34	22.5	1.51
1125012054	7/9/2018	1.27	1.56	105.92	48.75	2.17	4.66	1.53	154.07	47.81	3.22	159	47.2	3.37
1125016163	7/9/2018	0.20	1.21	16.68	37.81	0.44	1.12	1.19	22.60	37.19	0.61	24	34.7	0.69
1125016184	7/9/2018	0.28	1.85	23.35	57.81	0.40	1.1	1.82	21.85	56.88	0.38	27	55.3	0.49
1125016200	7/9/2018	0.40	1.32	33.36	41.25	0.81	1.3	1.3	29.28	40.63	0.72	39	39.4	0.99
1125016203	7/9/2018	0.32	1.72	26.69	53.75	0.50	1.24	1.66	27.05	51.88	0.52	35	50.3	0.7
1125015148	7/10/2018	0.08	2.27	6.67	70.94	0.09	0.36	2.21	0.00	69.06	0.00	12	70	0.17
1125015176	7/10/2018	0.23	1.68	19.18	52.50	0.37	0.88	1.68	13.68	52.50	0.26	25	53.1	0.47
1125015197	7/10/2018	0.13	3.14	10.84	98.13	0.11	0.49	3.01	0.00	94.06	0.00	14	96.6	0.14
1125012014	7/11/2018	0.35	1.48	29.19	46.25	0.63	1.35	1.45	31.14	45.31	0.69	36	44.7	0.81
1125012041	7/11/2018	0.42	1.81	35.03	56.56	0.62	1.01	1.76	18.51	55.00	0.34	38	54.4	0.7
1125012065	7/11/2018	0.31	1.16	25.85	36.25	0.71	1.26	1.17	27.80	36.56	0.76	28	35.9	0.78
1125024158	7/13/2018	0.55	2.27	45.87	70.94	0.65	1.5	2.17	36.71	67.81	0.54	42	70.9	0.59
1125024021	7/14/2018	0.66	3.51	55.04	109.69	0.50	1.67	3.24	43.02	101.25	0.42	52	109.1	0.48
1125024035	7/14/2018	0.11	2.20	9.17	68.75	0.13	0.39	2.08	0.00	65.00	0.00	15	66.3	0.23
1125024144	7/14/2018	0.28	2.20	23.35	68.75	0.34	0.75	2.11	8.86	65.94	0.13	23	65.6	0.35
1125024156	7/14/2018	0.30	2.46	25.02	76.88	0.33	0.61	2.31	3.66	72.19	0.05	18	77.8	0.23
1125017216	7/15/2018	0.96	1.77	80.06	55.31	1.45	1.98	1.79	54.54	55.94	0.97	71	54.7	1.3
1125024001	7/15/2018	0.45	4.05	37.53	126.56	0.30	1.39	3.71	32.62	115.94	0.28	42	122.5	0.34
1125017207	7/16/2018	1.08	1.66	90.07	51.88	1.74	2.38	1.61	69.39	50.31	1.38	86	52.5	1.64
1125024009	7/16/2018	0.21	1.70	17.51	53.13	0.33	0.58	1.64	2.54	51.25	0.05	20	50.3	0.4
1125017007	7/17/2018	0.34	2.28	28.36	71.25	0.40	0.88	2.21	13.68	69.06	0.20	29	71.6	0.41
1125017146	7/17/2018	1.28	2.30	106.75	71.88	1.49	2.51	2.24	74.22	70.00	1.06	102	70.9	1.44
1125017104	7/18/2018	1.11	2.41	92.57	75.31	1.23	2.54	2.3	75.34	71.88	1.05	89	74.4	1.2
1125018246	7/18/2018	1.23	1.81	102.58	56.56	1.81	2.62	1.88	78.31	58.75	1.33	101	57.8	1.75
1125018256	7/18/2018	1.24	1.99	103.42	62.19	1.66	2.72	2.04	82.02	63.75	1.29	100	64.4	1.55
1125018231	7/19/2018	0.72	1.93	60.05	60.31	1.00	2.39	1.97	69.76	61.56	1.13	61	60.9	1
1125018335	7/19/2018	1.02	1.73	85.07	54.06	1.57	2.73	1.86	82.39	58.13	1.42	80	54.4	1.47
1125025099	7/20/2018	0.42	2.45	35.03	76.56	0.46	1.61	2.21	40.80	69.06	0.59	45	66.9	0.67
1125025095	7/22/2018	0.88	2.15	73.39	67.19	1.09	2.38	1.9	69.39	59.38	1.17	68	57.5	1.18
1125028087	7/29/2018	0.49	2.60	40.87	81.25	0.50	1.08	2.59	21.11	80.94	0.26	29	80.3	0.36

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1125028526	7/29/2018	0.72	3.56	60.05	111.25	0.54	1.55	3.49	38.57	109.06	0.35	57	106.6	0.53
1125028126	7/30/2018	0.48	2.96	40.03	92.50	0.43	1.14	2.85	23.34	89.06	0.26	37	90.9	0.41
1125029004	7/31/2018	0.94	1.98	78.40	61.88	1.27	2.61	1.89	77.94	59.06	1.32	76	61.3	1.24
1125029001	8/1/2018	0.58	1.60	48.37	50.00	0.97	1.77	1.54	46.74	48.13	0.97	48	48.4	0.99
1125029101	8/3/2018	0.96	2.78	80.06	86.88	0.92	2.17	2.75	61.59	85.94	0.72	73	89.7	0.81
1125029133	8/3/2018	0.72	1.64	60.05	51.25	1.17	2.05	1.62	57.14	50.63	1.13	58	49.4	1.17
1124016010	8/18/2018	0.98	1.51	81.73	47.19	1.73	2.96	1.48	90.93	46.25	1.97	82	46.6	1.76
1124016087	8/18/2018	0.63	1.79	52.54	55.94	0.94	1.99	1.78	54.91	55.63	0.99	52	53.4	0.97
1124016127	8/19/2018	1.19	2.32	99.25	72.50	1.37	2.62	2.27	78.31	70.94	1.10	90	67.8	1.33
1124017045	8/26/2018	0.19	1.00	15.85	31.25	0.51	1.86	0.98	50.08	30.63	1.64	30	29.4	1.02
1124020002	8/26/2018	0.95	1.66	79.23	51.88	1.53	2.44	1.7	71.62	53.13	1.35	80	52.2	1.53
1124020015	8/28/2018	0.98	1.93	81.73	60.31	1.36	2.55	2.03	75.71	63.44	1.19	82	61.6	1.33
1124021017	9/6/2018	0.26	1.76	21.68	55.00	0.39	0.99	1.77	17.77	55.31	0.32	30	56.3	0.53
1124021001	9/8/2018	0.23	1.88	19.18	58.75	0.33	0.91	1.82	14.80	56.88	0.26	27	57.5	0.47
1124021002	9/8/2018	0.13	1.59	10.84	49.69	0.22	0.56	1.61	1.80	50.31	0.04	23	49.4	0.47
1124022158	9/12/2018	0.69	2.79	57.55	87.19	0.66	1.99	2.72	54.91	85.00	0.65	57	87.2	0.65
1124023153	9/12/2018	0.65	1.76	54.21	55.00	0.99	2.12	1.8	59.74	56.25	1.06	59	54.7	1.08
1124023175	9/12/2018	0.74	1.74	61.72	54.38	1.14	2.3	1.75	66.42	54.69	1.21	64	50.6	1.26
1124023121	9/13/2018	0.30	1.58	25.02	49.38	0.51	1.87	1.56	50.45	48.75	1.03	36	48.1	0.75
1124022021	9/14/2018	1.02	2.19	85.07	68.44	1.24	2.26	2.11	64.94	65.94	0.98	67	62.8	1.07
1123001018	9/16/2018	0.41	1.84	34.19	57.50	0.59	1.53	1.83	37.82	57.19	0.66	29	54.4	0.53
1123001101	9/16/2018	0.81	2.07	67.55	64.69	1.04	2.39	2.04	69.76	63.75	1.09	70	60	1.17
1123001255	9/16/2018	0.78	1.97	65.05	61.56	1.06	2.44	1.92	71.62	60.00	1.19	68	59.7	1.14
1123001011	9/17/2018	0.54	2.02	45.04	63.13	0.71	2.27	1.95	65.31	60.94	1.07	47	57.5	0.82
1123011005	10/13/2018	0.68	2.46	56.71	76.88	0.74	1.84	2.42	49.34	75.63	0.65	53	81.9	0.65
1123011010	10/13/2018	0.87	1.64	72.56	51.25	1.42	2.45	1.6	71.99	50.00	1.44	71	52.5	1.35
1123011119	10/13/2018	0.91	1.70	75.89	53.13	1.43	2.37	1.74	69.02	54.38	1.27	68	53.4	1.27
1123006027	10/17/2018	0.28	1.41	23.35	44.06	0.53	1.86	1.43	50.08	44.69	1.12	36	42.5	0.85
1123015001	10/19/2018	0.29	1.65	24.19	51.56	0.47	1.76	1.66	46.37	51.88	0.89	34	48.1	0.71
1123015005	10/19/2018	0.16	1.03	13.34	32.19	0.41	1.15	1.02	23.71	31.88	0.74	26	29.7	0.88
1123015030	10/19/2018	0.51	1.64	42.53	51.25	0.83	1.9	1.76	51.57	55.00	0.94	46	46.9	0.98
1123015043	10/19/2018	0.38	2.11	31.69	65.94	0.48	1.34	2.12	30.77	66.25	0.46	39	62.8	0.62
1123015053	10/19/2018	0.55	1.14	45.87	35.63	1.29	2.08	1.26	58.25	39.38	1.48	57	36.9	1.55
1124028211	10/19/2018	0.02	0.32	1.67	10.00	0.17	0.23	1.22	0.00	38.13	0.00	9	34.1	0.26
1123015062	10/20/2018	0.57	1.35	47.54	42.19	1.13	1.93	1.36	52.68	42.50	1.24	54	39.1	1.38
1123015079	10/20/2018	0.47	1.29	39.20	40.31	0.97	1.77	1.37	46.74	42.81	1.09	45	38.1	1.18
1124028205	10/21/2018	0.75	1.05	62.55	32.81	1.91	2.72	1.12	82.02	35.00	2.34	67	31.3	2.14
1124028224	10/21/2018	0.15	2.00	12.51	62.50	0.20	0.59	2.03	2.91	63.44	0.05	15	60	0.25
1124028243	10/21/2018	0.14	2.20	11.68	68.75	0.17	0.64	2.21	4.77	69.06	0.07	16	65.3	0.24
1123012140	10/22/2018	1.07	2.07	89.24	64.69	1.38	2.4	2.06	70.14	64.38	1.09	93	67.8	1.37
1122004024	10/26/2018	0.52	1.90	43.37	59.38	0.73	1.7	1.89	44.14	59.06	0.75	42	54.4	0.77
1122003045	10/31/2018	1.07	2.23	89.24	69.69	1.28	2.32	2.15	67.16	67.19	1.00	87	66.3	1.31
1123016001	10/31/2018	0.59	1.36	49.21	42.50	1.16	2.77	1.44	83.88	45.00	1.86	60	41.6	1.44
1123016053	10/31/2018	0.50	1.44	41.70	45.00	0.93	2.33	1.47	67.54	45.94	1.47	45	40.9	1.1

APPENDIX A-2: ACID-BASE ACCOUNTING AUDIT DATA

Sample Site Name	Date	Total Carbon RRM Leco (wt.%)[1]	Total Sulfur RRM Leco (wt.%)	Leco NP[2] (kg $CaCO_3$/t)	Leco AP (kg $CaCO_3$/t)[3]	Leco NPR[4]	ICP Calcium (wt. %)	ICP Sulfur (wt. %)	ICP NP (kg CaCO3/t)[5]	ICP AP (kg CaCO3/t)	ICP NPR	Sobek NP (kg $CaCO_3$/t)	MPA[6] (kg $CaCO_3$/t)	Sobek NPR
1123016136	10/31/2018	0.25	1.86	20.85	58.13	0.36	1.77	1.86	46.74	58.13	0.80	35	56.9	0.62
1123016704	10/31/2018	0.67	1.29	55.88	40.31	1.39	2.43	1.26	71.25	39.38	1.81	64	37.8	1.69
1123016143	11/2/2018	0.92	1.40	76.73	43.75	1.75	3.24	1.5	101.33	46.88	2.16	81	46.3	1.75
1123016056	11/3/2018	0.14	2.38	11.68	74.38	0.16	0.85	2.32	12.57	72.50	0.17	20	73.8	0.27
1122002001	11/4/2018	1.03	1.91	85.90	59.69	1.44	2.11	1.94	59.37	60.63	0.98	81	60.3	1.34
1122002104	11/4/2018	1.14	2.52	95.08	78.75	1.21	2.38	2.56	69.39	80.00	0.87	87	78.4	1.11
1122002124	11/6/2018	1.00	2.48	83.40	77.50	1.08	2.33	2.47	67.54	77.19	0.87	81	80.3	1.01
1123019054	11/7/2018	0.10	2.53	8.34	79.06	0.11	0.26	2.5	0.00	78.13	0.00	11	77.5	0.14
1123023018	11/8/2018	0.97	1.61	80.90	50.31	1.61	1.94	1.66	53.05	51.88	1.02	74	51.9	1.43
1123023145	11/8/2018	1.03	1.38	85.90	43.13	1.99	2.1	1.5	58.99	46.88	1.26	80	44.4	1.8
1123023201	11/8/2018	1.03	1.52	85.90	47.50	1.81	1.92	1.51	52.31	47.19	1.11	74	45.6	1.62
1122012063	11/12/2018	0.27	1.53	22.52	47.81	0.47	1.41	1.54	33.37	48.13	0.69	34	46.3	0.74
1122012086	11/12/2018	0.72	1.35	60.05	42.19	1.42	2.1	1.37	58.99	42.81	1.38	60	41.9	1.43
1122012112	11/14/2018	0.48	1.10	40.03	34.38	1.16	1.95	1.11	53.42	34.69	1.54	49	35	1.4
1122012123	11/14/2018	0.31	1.79	25.85	55.94	0.46	1.46	1.85	35.22	57.81	0.61	34	54.7	0.62
1122018025	11/26/2018	0.36	1.72	30.02	53.75	0.56	1.15	1.81	23.71	56.56	0.42	29	51.6	0.56
1122018122	11/26/2018	0.18	2.17	15.01	67.81	0.22	0.55	2.14	1.43	66.88	0.02	16	64.7	0.25

[1]wt.% = weight percent
[2]NP = neutralization potential
[3]AP = acid potential
[4]NPR - neutralization potential ratio (NP/AP or NP/MPA)
[5]kg CaCO3/t = kilograms of calcium carbonate equivalent per tonne of rock
[6]MPA = Maximum potential acidity

APPENDIX B

2018 LABORATORY RESULTS

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ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

CERTIFICATE TB18054441

Project: Mine Site Lab Pulps January

P.O. No.: 4500009909

This report is for 132 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 12-MAR-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JASON PATTISON	STEPHEN SABO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
ATTN: JASON PATTISON
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1127013106		0.47	88.1	0.017	0.3	1.12	5	80	50	<0.5	<2	1.63	<0.5	9	86	19
1129031031		Not Recvd														
1129031085		0.52		0.231	1.0	0.60	56	70	30	<0.5	2	2.66	3.8	9	71	32
1129031069		0.55		1.465	2.7	1.52	85	50	30	<0.5	2	0.92	6.5	9	72	74
1128031003		0.51		1.370	1.3	1.75	55	40	60	<0.5	<2	1.39	1.1	8	79	46
1127013109		0.52		0.034	0.3	1.18	6	40	50	<0.5	<2	1.90	<0.5	10	78	23
1127013082		0.45		0.050	0.3	1.35	6	30	70	<0.5	2	1.68	<0.5	10	63	29
1129031020		0.52		0.866	1.1	0.88	105	30	30	<0.5	<2	1.33	5.9	9	44	37
1129050034		0.36		0.265	2.0	1.58	28	30	50	<0.5	<2	0.80	0.9	10	84	36
1128031001		0.44		0.251	0.5	2.43	67	30	50	<0.5	<2	1.65	<0.5	10	140	25
1128031083		0.43		2.12	3.2	0.98	59	20	30	<0.5	<2	2.07	14.0	9	52	98
1128031105		0.43		0.187	1.3	0.94	39	20	30	<0.5	<2	2.39	2.0	9	59	28
1129049207		0.53		0.609	2.0	1.04	30	20	20	<0.5	<2	0.91	1.1	10	40	32
1129049250		0.44		0.077	2.0	0.78	47	10	30	<0.5	<2	0.58	1.1	9	107	24
1127013150		0.57		0.029	0.3	1.16	4	10	90	<0.5	<2	0.95	<0.5	10	84	40
1127013055		0.53		0.031	0.3	1.18	7	<10	70	<0.5	<2	1.37	<0.5	8	54	22
V829031		0.06		<0.005	<0.2	0.59	<2	<10	30	<0.5	<2	0.31	<0.5	5	7	16
1129050022		0.46		0.370	3.1	0.97	32	<10	30	<0.5	<2	0.19	1.0	10	162	49
1129049225		0.56		0.149	1.4	1.40	45	<10	50	<0.5	<2	1.49	1.1	10	33	40
1129048518		0.56		0.260	1.0	1.09	40	<10	30	<0.5	<2	0.67	<0.5	8	50	28
1129049245		0.48		0.172	1.9	1.01	54	<10	40	<0.5	<2	1.79	1.1	8	40	32
1129048511		0.41		0.133	1.0	1.05	28	<10	30	<0.5	<2	0.54	<0.5	9	66	43
1127013113		0.49		0.053	0.4	1.27	5	<10	60	<0.5	<2	1.54	<0.5	10	228	39
1127013073		0.54		0.026	0.2	1.18	4	<10	50	<0.5	<2	1.36	<0.5	10	85	27
1127013140		0.56		0.025	0.2	1.15	4	<10	60	<0.5	<2	1.39	<0.5	9	81	33
1129048035		0.54		0.130	0.7	1.52	66	<10	50	<0.5	<2	0.35	<0.5	9	101	29
1127014003		0.56		0.067	0.2	2.89	9	<10	100	<0.5	<2	2.30	<0.5	124	114	49
1131065794		0.53		0.010	<0.2	0.98	22	<10	10	<0.5	<2	0.18	<0.5	7	31	11
1130053515		0.41		0.705	1.1	1.46	58	<10	60	<0.5	<2	1.72	1.5	8	62	65
1129048086		0.40		0.319	5.6	0.62	43	<10	20	<0.5	<2	1.22	3.1	10	76	54
1127014054		0.46		0.049	0.9	2.76	17	<10	60	<0.5	<2	3.07	0.8	31	78	74
1127014015		0.57		0.904	3.6	3.25	16	170	70	<0.5	2	3.61	3.0	30	69	105
1131065701		0.56		0.266	1.9	0.61	253	10	30	<0.5	<2	0.46	14.5	7	56	63
1131065736		0.54		0.332	1.4	0.50	213	<10	20	<0.5	<2	0.14	15.0	8	87	57
V829032		0.06		1.395	4.1	1.22	<2	<10	60	<0.5	<2	0.62	<0.5	12	7	57
1127014112		0.58		0.019	0.2	1.46	3	<10	50	<0.5	<2	2.56	<0.5	13	57	5
1127014103		0.48		0.018	0.3	1.49	10	<10	60	<0.5	2	2.28	0.7	11	71	28
1129048015		0.47		0.110	2.9	0.78	49	<10	30	<0.5	<2	1.97	0.9	6	64	54
1129048021		0.49		0.160	2.8	0.77	16	<10	30	<0.5	<2	0.75	1.0	8	85	30
1127014514		0.55		0.029	0.3	2.42	12	<10	60	<0.5	<2	2.09	<0.5	23	62	42

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1127013106		1.92	<10	<1	0.15	10	0.61	376	1	0.06	9	400	2	0.37	<2	1
1129031031																
1129031085		2.14	<10	<1	0.27	<10	0.97	1580	<1	0.02	12	430	134	2.03	<2	<1
1129031069		4.20	<10	1	0.23	10	0.84	780	1	0.03	11	430	33	3.52	<2	1
1128031003		2.12	<10	<1	0.32	20	0.70	649	1	0.06	7	560	33	1.56	<2	1
1127013109		2.10	10	<1	0.15	10	0.67	384	1	0.07	9	390	3	0.47	<2	1
1127013082		2.13	<10	<1	0.20	10	0.83	353	<1	0.05	15	430	3	0.41	<2	2
1129031020		2.52	<10	<1	0.21	10	0.58	815	<1	0.02	15	420	27	2.28	<2	<1
1129050034		2.11	<10	<1	0.20	10	0.66	497	1	0.03	13	400	37	1.96	<2	1
1128031001		2.31	10	<1	0.26	20	0.77	660	1	0.14	11	550	23	1.43	<2	1
1128031083		2.91	<10	2	0.24	10	0.60	1195	1	0.02	10	430	56	2.90	<2	<1
1128031105		2.11	<10	1	0.21	10	1.11	2010	1	0.02	13	410	277	2.12	<2	<1
1129049207		1.96	<10	<1	0.14	10	0.69	910	1	0.03	14	520	94	1.86	<2	<1
1129049250		2.51	<10	<1	0.17	10	0.38	495	1	0.04	12	460	101	2.58	<2	<1
1127013150		1.89	10	<1	0.37	10	0.64	277	1	0.07	11	410	3	0.44	<2	2
1127013055		2.04	10	<1	0.37	10	0.72	374	3	0.05	9	370	9	0.45	<2	1
V829031		1.20	<10	<1	0.19	10	0.26	180	1	0.04	9	290	26	0.02	<2	1
1129050022		2.39	<10	<1	0.23	10	0.46	171	1	0.04	15	490	16	2.35	<2	<1
1129049225		2.30	<10	<1	0.24	20	0.90	764	1	0.08	11	510	50	2.06	<2	<1
1129048518		1.85	<10	<1	0.13	20	0.57	565	1	0.04	8	490	13	1.52	<2	<1
1129049245		2.09	<10	<1	0.20	10	0.66	780	<1	0.05	9	430	48	2.01	<2	<1
1129048511		2.10	<10	<1	0.13	20	0.72	480	1	0.04	12	620	29	1.81	<2	<1
1127013113		2.16	<10	<1	0.22	10	0.74	362	<1	0.07	13	400	11	0.56	<2	2
1127013073		1.98	<10	<1	0.17	20	0.73	317	1	0.07	14	430	3	0.41	<2	2
1127013140		2.02	<10	<1	0.25	10	0.70	351	2	0.06	11	400	2	0.39	<2	1
1129048035		2.01	<10	<1	0.20	10	0.76	667	1	0.04	10	540	19	1.53	<2	<1
1127014003		2.86	10	<1	0.44	20	1.34	535	1	0.23	49	560	4	0.50	<2	4
1131065794		0.53	<10	<1	0.01	<10	0.16	52	1	0.02	5	20	<2	0.22	<2	<1
1130053515		1.90	<10	<1	0.28	10	1.07	1255	1	0.06	11	420	37	1.40	<2	1
1129048086		2.18	<10	<1	0.16	10	0.71	1205	1	0.03	11	450	249	2.27	2	<1
1127014054		7.41	10	1	0.18	10	1.48	1210	<1	0.07	47	660	8	1.90	<2	9
1127014015		8.46	10	<1	0.26	10	1.86	1460	2	0.17	46	700	13	1.90	<2	14
1131065701		2.68	<10	<1	0.23	10	0.42	1095	1	0.01	10	390	69	2.44	<2	<1
1131065736		2.62	<10	1	0.19	10	0.24	618	1	0.01	12	400	35	2.57	<2	<1
V829032		2.77	<10	<1	0.25	10	0.49	289	7	0.12	16	740	3	0.06	<2	2
1127014112		2.65	10	<1	0.18	20	1.14	647	<1	0.07	20	700	2	0.79	<2	2
1127014103		2.70	<10	1	0.24	20	0.78	719	1	0.07	16	570	6	0.82	<2	2
1129048015		1.67	<10	<1	0.18	10	0.97	1620	1	0.03	11	520	27	1.50	<2	<1
1129048021		2.15	<10	<1	0.16	10	0.44	1095	1	0.03	11	430	72	2.27	2	<1
1127014514		4.94	10	<1	0.26	10	1.11	778	1	0.15	16	580	5	1.58	<2	5

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01
1127013106		33	<20	0.02	<10	<10	14	<10	52	0.52	0.35	44	9.0	33	10.9	4.02
1129031031																
1129031085		22	<20	<0.01	<10	<10	3	<10	833	1.44	2.01	98	8.9	35	62.8	1.56
1129031069		16	<20	<0.01	<10	<10	5	<10	1425	0.42	3.59	27	8.3	-85	112.2	0.24
1128031003		23	<20	<0.01	<10	<10	8	<10	290	0.35	1.48	36	8.8	-10	46.3	0.78
1127013109		42	<20	0.01	<10	<10	13	<10	39	0.65	0.46	53	9.2	39	14.4	3.69
1127013082		36	<20	0.03	<10	<10	19	<10	51	0.51	0.43	46	9.4	33	13.4	3.42
1129031020		18	<20	<0.01	<10	<10	3	<10	1360	0.49	2.26	41	8.8	-30	70.6	0.58
1129050034		23	<20	<0.01	<10	<10	6	<10	225	0.17	1.96	20	8.3	-41	61.3	0.33
1128031001		47	<20	0.01	<10	<10	9	<10	97	0.28	1.39	33	8.7	-10	43.4	0.76
1128031083		19	<20	<0.01	<10	<10	4	<10	3020	0.70	2.93	57	8.7	-35	91.6	0.62
1128031105		34	<20	<0.01	<10	<10	4	<10	487	1.12	2.12	85	8.9	19	66.3	1.28
1129049207		16	<20	<0.01	<10	<10	4	<10	257	0.26	1.83	24	8.8	-33	57.2	0.42
1129049250		21	<20	<0.01	<10	<10	3	<10	249	0.34	2.61	15	8.6	-67	81.6	0.18
1127013150		29	<20	0.07	<10	<10	23	10	39	0.24	0.42	27	9.5	14	13.1	2.06
1127013055		25	<20	0.04	<10	<10	18	<10	76	0.42	0.46	42	9.5	28	14.4	2.92
V829031		9	20	0.09	<10	10	22	<10	34	0.03						
1129050022		18	<20	<0.01	<10	<10	4	<10	248	0.02	2.32	6	8.5	-67	72.5	0.08
1129049225		35	<20	<0.01	<10	<10	6	<10	298	0.40	1.89	40	8.9	-19	59.1	0.68
1129048518		23	<20	<0.01	<10	<10	3	<10	76	0.19	1.52	19	8.6	-29	47.5	0.40
1129049245		31	<20	<0.01	<10	<10	4	<10	259	0.55	1.90	50	8.9	-9	59.4	0.84
1129048511		21	<20	<0.01	<10	<10	4	<10	136	0.17	1.76	18	8.6	-37	55.0	0.33
1127013113		33	<20	0.04	<10	<10	21	10	65	0.47	0.53	44	9.3	27	16.6	2.66
1127013073		28	<20	0.03	<10	<10	21	10	46	0.41	0.36	40	9.3	29	11.3	3.56
1127013140		25	<20	0.04	<10	<10	20	10	58	0.41	0.36	41	9.4	30	11.3	3.64
1129048035		23	<20	<0.01	<10	<10	6	<10	91	0.09	1.50	10	8.9	-37	46.9	0.21
1127014003		94	<20	0.06	<10	<10	44	20	118	0.58	0.47	53	9.3	38	14.7	3.61
1131065794		12	<20	<0.01	<10	<10	5	<10	28	0.02	0.18	1	7.7	-5	5.6	0.18
1130053515		36	<20	<0.01	<10	<10	6	<10	363	0.85	1.28	67	9.1	27	40.0	1.68
1129048086		18	<20	<0.01	<10	<10	2	<10	778	0.65	2.20	49	9.0	-20	68.8	0.71
1127014054		78	<20	0.07	<10	<10	128	<10	314	0.98	1.89	79	8.9	20	59.1	1.34
1127014015		106	<20	0.10	<10	<10	180	<10	631	1.33	1.87	146	9.3	88	58.4	2.50
1131065701		21	<20	<0.01	<10	<10	3	<10	3510	0.27	2.47	22	8.8	-55	77.2	0.29
1131065736		5	<20	<0.01	<10	<10	3	<10	3530	0.19	2.62	6	8.6	-76	81.9	0.07
V829032		16	<20	0.35	<10	<10	77	<10	52	0.05						
1127014112		57	<20	0.04	<10	<10	33	<10	81	0.71	0.68	65	9.5	44	21.3	3.06
1127014103		35	<20	0.05	<10	<10	27	10	177	0.63	0.75	60	9.1	37	23.4	2.56
1129048015		28	<20	<0.01	<10	<10	3	<10	214	0.93	1.34	71	9.1	29	41.9	1.70
1129048021		18	<20	<0.01	<10	<10	3	<10	247	0.35	2.09	29	8.8	-36	65.3	0.44
1127014514		57	<20	0.06	<10	<10	63	10	188	0.58	1.53	52	8.5	4	47.8	1.09

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CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1127013106		2
1129031031		
1129031085		3
1129031069		2
1128031003		2
1127013109		2
1127013082		2
1129031020		2
1129050034		2
1128031001		2
1128031083		2
1128031105		2
1129049207		2
1129049250		1
1127013150		2
1127013055		2
V829031		
1129050022		1
1129049225		2
1129048518		2
1129049245		2
1129048511		2
1127013113		2
1127013073		2
1127013140		2
1129048035		1
1127014003		2
1131065794		1
1130053515		2
1129048086		2
1127014054		2
1127014015		3
1131065701		2
1131065736		1
V829032		
1127014112		2
1127014103		2
1129048015		2
1129048021		2
1127014514		2

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1129048065		0.43		0.261	4.8	0.89	31	<10	20	<0.5	<2	0.99	0.9	11	95	58
1127014001		0.50		0.051	0.5	1.44	13	<10	40	<0.5	<2	1.97	0.9	11	65	39
1129048036		0.61		0.075	0.6	1.18	38	<10	30	<0.5	<2	0.28	<0.5	8	98	15
1127014425		0.51		0.037	0.5	2.23	11	<10	100	<0.5	<2	2.44	0.5	22	75	65
1129049016		0.53		3.79	5.8	0.72	29	<10	30	<0.5	3	2.31	2.3	8	49	106
1129050027		0.47		0.178	2.0	0.93	25	<10	40	<0.5	<2	1.74	0.9	10	43	23
1127014406		0.53		0.029	0.2	2.11	7	<10	30	<0.5	<2	1.84	<0.5	13	65	44
1127015008		0.49		0.045	0.4	1.94	8	<10	40	<0.5	<2	1.30	<0.5	9	63	25
1129050500		0.52		0.249	2.0	0.62	41	<10	30	<0.5	<2	2.44	0.6	10	59	33
1129050030		0.57	94.5	0.108	1.3	0.67	33	<10	40	<0.5	<2	2.08	<0.5	10	40	18
1129049020		0.51		0.613	3.0	0.77	44	<10	30	<0.5	<2	2.27	0.8	8	65	49
1127015007		0.47		0.079	0.6	1.54	23	20	40	<0.5	2	1.40	<0.5	8	59	16
1129049074		0.54		0.232	1.6	1.41	45	10	40	<0.5	<2	2.22	0.7	12	50	48
V829033		0.06		0.199	1.5	0.75	3	10	40	<0.5	<2	0.41	<0.5	10	11	49
1129049413		0.60		0.057	0.8	1.50	27	10	40	<0.5	<2	3.07	<0.5	11	35	21
1129048406		0.44		0.372	0.7	1.04	44	10	20	<0.5	<2	0.20	<0.5	9	76	22
1129015004		0.56		0.074	1.1	1.98	33	10	30	<0.5	<2	2.18	2.2	7	45	19
1129048401		0.48		0.140	2.3	0.61	41	10	20	<0.5	2	0.32	1.1	11	107	45
1128034015		0.44		0.256	0.5	2.08	44	10	40	<0.5	2	1.38	0.5	9	27	21
1128034032		0.48		0.139	0.7	1.36	41	10	40	<0.5	<2	2.26	<0.5	9	39	23
1128034006		0.52		0.212	0.9	1.28	39	10	30	<0.5	<2	1.96	<0.5	9	37	19
1128032009		0.54		0.292	1.8	1.02	40	10	20	<0.5	<2	2.00	3.0	8	33	38
1128032026		0.42		1.115	1.0	0.65	50	10	20	<0.5	<2	2.35	3.2	9	93	23
1128032041		0.51		0.353	0.9	0.61	38	10	30	<0.5	<2	2.23	1.9	8	47	34
1128032006		0.36		0.142	2.4	1.09	43	10	20	<0.5	<2	2.49	1.9	9	42	60
1128032075		0.56		1.340	1.2	0.56	43	10	30	<0.5	<2	2.60	2.6	8	47	55
1128032057		0.52		1.025	0.8	0.64	52	10	20	<0.5	<2	2.28	0.9	8	56	43
1127017119		0.50		0.242	0.9	1.44	64	10	30	<0.5	2	1.34	0.5	11	47	23
1127017107		0.52		1.055	1.1	1.90	52	10	50	<0.5	<2	2.03	1.9	13	74	45
1128033603		0.45		0.018	0.3	2.27	7	10	<10	<0.5	<2	2.50	<0.5	30	330	50
1127017102		0.44		0.294	1.1	1.52	59	10	40	<0.5	<2	1.60	0.8	10	45	24
1128033129		0.52		0.086	0.7	1.31	13	10	30	<0.5	2	2.47	<0.5	12	66	22
V829034		0.06		0.419	4.6	0.71	<2	10	50	<0.5	<2	0.36	<0.5	6	6	22
1127017148		0.49		0.688	1.7	1.82	45	10	30	<0.5	<2	0.82	6.1	9	29	48
1129051034		0.57		0.233	1.3	0.41	54	10	20	<0.5	2	1.88	0.9	8	58	33
1127017101		0.50		0.181	1.0	1.89	47	10	40	<0.5	<2	1.55	<0.5	9	43	24
1129051511		0.55		0.370	3.4	0.41	64	10	20	<0.5	2	1.87	1.4	8	70	74
1130057787		0.52		0.941	1.1	0.84	183	<10	30	<0.5	<2	0.21	4.2	11	48	42
1130057786		0.51		0.497	1.5	0.58	135	<10	20	<0.5	<2	0.12	5.5	9	74	59
1129051403		0.47		0.419	1.0	0.55	46	10	20	<0.5	2	1.77	0.8	9	73	53

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1129048065		3.44	<10	<1	0.15	10	0.58	837	<1	0.03	15	430	19	3.47	<2	<1
1127014001		2.32	10	1	0.20	10	0.71	431	1	0.09	11	430	4	0.87	<2	1
1129048036		2.13	<10	<1	0.12	10	0.74	1715	<1	0.03	10	450	7	1.42	<2	<1
1127014425		4.91	10	<1	0.43	10	1.02	617	<1	0.11	37	600	5	0.97	<2	4
1129049016		2.02	<10	1	0.16	10	0.45	830	1	0.03	10	440	175	2.03	3	<1
1129050027		2.34	<10	<1	0.21	10	0.33	579	1	0.06	14	470	30	2.53	<2	<1
1127014406		3.00	10	<1	0.14	10	1.16	579	<1	0.11	23	430	3	0.53	<2	4
1127015008		1.99	10	<1	0.18	10	0.87	373	<1	0.16	13	400	8	0.57	<2	1
1129050500		2.32	<10	<1	0.17	10	0.66	779	1	0.04	12	490	33	2.28	<2	<1
1129050030		2.47	<10	<1	0.17	10	0.36	637	<1	0.04	13	500	35	2.57	<2	<1
1129049020		1.96	<10	<1	0.17	10	0.42	751	1	0.03	12	440	48	1.97	<2	<1
1127015007		1.61	<10	<1	0.15	10	0.67	385	<1	0.10	11	380	9	0.45	<2	1
1129049074		2.71	<10	<1	0.15	20	0.64	898	1	0.13	18	540	66	2.74	<2	1
V829033		2.30	<10	<1	0.19	10	0.32	229	4	0.13	11	500	20	0.04	<2	2
1129049413		2.20	<10	<1	0.15	20	0.86	665	<1	0.07	16	530	15	0.94	<2	1
1129048406		1.80	<10	<1	0.11	20	0.61	739	1	0.03	9	500	21	1.40	<2	<1
1129015004		1.38	<10	<1	0.15	10	0.76	523	1	0.11	10	350	23	0.53	2	1
1129048401		2.31	<10	<1	0.11	10	0.38	834	1	0.03	10	480	70	2.40	<2	<1
1128034015		2.18	<10	<1	0.19	20	0.74	561	<1	0.10	9	560	28	1.28	<2	1
1128034032		1.93	<10	<1	0.17	10	0.75	583	1	0.06	10	490	22	1.36	<2	1
1128034006		1.87	<10	<1	0.15	10	0.64	565	<1	0.05	10	500	12	1.08	<2	1
1128032009		1.61	<10	<1	0.17	10	0.79	1100	1	0.02	11	400	311	1.51	<2	<1
1128032026		1.93	<10	<1	0.19	10	0.69	1150	1	0.02	11	410	47	1.78	<2	<1
1128032041		1.90	<10	<1	0.22	10	0.78	1275	1	0.02	11	420	59	1.83	<2	<1
1128032006		2.18	<10	<1	0.19	<10	1.18	1280	<1	0.02	12	380	238	2.20	2	1
1128032075		1.81	<10	<1	0.21	10	0.74	1450	1	0.02	11	410	202	1.65	<2	<1
1128032057		1.63	<10	<1	0.18	10	0.73	1240	<1	0.02	10	400	70	1.38	2	<1
1127017119		2.15	<10	<1	0.15	20	0.73	518	1	0.03	11	510	24	1.69	<2	1
1127017107		2.60	10	<1	0.19	20	1.21	730	1	0.03	24	780	68	1.21	<2	2
1128033603		3.67	<10	<1	0.01	<10	2.34	601	1	0.05	119	210	2	0.16	<2	4
1127017102		2.45	<10	<1	0.17	20	0.73	619	1	0.04	11	560	27	2.15	<2	1
1128033129		2.58	10	<1	0.09	10	0.72	316	1	0.07	14	410	<2	1.07	<2	2
V829034		1.53	<10	<1	0.14	10	0.18	173	14	0.11	8	340	21	0.03	<2	1
1127017148		2.17	<10	<1	0.19	20	0.88	633	<1	0.03	10	480	109	1.30	<2	1
1129051034		1.91	<10	<1	0.15	10	0.79	1450	1	0.02	10	420	86	1.96	<2	1
1127017101		1.56	<10	<1	0.18	10	0.80	415	<1	0.07	10	410	27	1.15	<2	1
1129051511		2.10	<10	<1	0.15	<10	0.79	1320	1	0.02	11	410	131	2.17	<2	<1
1130057787		2.31	<10	<1	0.20	10	0.46	178	1	0.02	16	330	15	2.04	<2	1
1130057786		2.11	<10	<1	0.20	10	0.24	71	1	0.01	11	400	13	2.24	<2	<1
1129051403		2.05	<10	<1	0.09	<10	0.95	880	1	0.03	14	410	36	1.94	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOR	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1129048065		18	<20	<0.01	<10	<10	4	<10	238	0.46	3.30	30	8.3	-73	103.1	0.29
1127014001		48	<20	0.02	<10	<10	20	<10	208	0.51	0.76	49	9.0	25	23.8	2.06
1129048036		16	<20	<0.01	<10	<10	4	<10	93	0.17	1.40	11	8.6	-33	43.8	0.25
1127014425		69	<20	0.10	<10	<10	107	<10	191	0.67	1.00	90	9.0	59	31.3	2.88
1129049016		21	<20	<0.01	<10	<10	3	<10	543	0.73	2.07	62	8.2	-3	64.7	0.96
1129050027		37	<20	<0.01	<10	<10	3	10	255	0.52	2.45	44	8.6	-33	76.6	0.57
1127014406		57	<20	0.03	<10	<10	50	10	124	0.54	0.53	50	8.9	33	16.6	3.02
1127015008		80	<20	0.02	<10	<10	17	10	60	0.24	0.55	27	9.1	10	17.2	1.57
1129050500		32	<20	<0.01	<10	<10	3	<10	133	0.93	2.28	71	9.0	0	71.3	1.00
1129050030		30	<20	<0.01	<10	<10	3	10	104	0.63	2.41	52	8.7	-23	75.3	0.69
1129049020		20	<20	<0.01	<10	<10	3	<10	229	0.65	1.92	57	8.9	-3	60.0	0.95
1127015007		50	<20	<0.01	<10	<10	10	<10	66	0.35	0.45	39	9.0	25	14.1	2.77
1129049074		102	<20	<0.01	<10	<10	7	<10	155	0.59	2.73	56	9.0	-29	85.3	0.66
V829033		18	<20	0.35	<10	<10	54	<10	56	0.02						
1129049413		77	<20	<0.01	<10	<10	10	<10	95	0.96	0.97	94	9.1	64	30.3	3.10
1129048406		16	<20	<0.01	<10	<10	4	<10	108	0.07	1.39	6	8.5	-37	43.4	0.14
1129015004		52	<20	<0.01	<10	<10	5	<10	487	0.50	0.52	47	8.9	31	16.3	2.89
1129048401		13	<20	<0.01	<10	<10	3	<10	249	0.16	2.52	12	8.5	-67	78.8	0.15
1128034015		37	<20	<0.01	<10	<10	7	<10	144	0.24	1.25	28	8.7	-11	39.1	0.72
1128034032		46	<20	<0.01	<10	<10	6	<10	85	0.72	1.38	63	8.9	20	43.1	1.46
1128034006		38	<20	<0.01	<10	<10	6	<10	87	0.56	1.06	55	9.0	22	33.1	1.66
1128032009		24	<20	<0.01	<10	<10	4	<10	770	0.73	1.48	65	9.0	19	46.3	1.41
1128032026		22	<20	<0.01	<10	<10	3	<10	721	0.95	1.77	80	8.9	25	55.3	1.45
1128032041		20	<20	<0.01	<10	<10	3	<10	418	1.03	1.69	89	8.8	36	52.8	1.69
1128032006		37	<20	<0.01	<10	<10	4	<10	480	1.08	2.12	97	8.9	31	66.3	1.46
1128032075		19	<20	<0.01	<10	<10	3	<10	620	1.16	1.69	98	9.0	45	52.8	1.86
1128032057		18	<20	<0.01	<10	<10	2	<10	196	1.00	1.36	80	9.0	38	42.5	1.88
1127017119		27	<20	<0.01	<10	<10	7	<10	115	0.33	1.71	33	8.8	-20	53.4	0.62
1127017107		68	<20	0.03	<10	<10	23	<10	531	0.52	1.18	58	8.7	21	36.9	1.57
1128033603		31	<20	0.10	<10	<10	59	<10	50	0.74	0.14	67	9.4	63	4.4	15.31
1127017102		31	<20	<0.01	<10	<10	7	<10	180	0.42	2.18	45	8.6	-23	68.1	0.66
1128033129		53	<20	<0.01	<10	<10	24	<10	21	0.77	1.04	71	9.1	39	32.5	2.18
V829034		18	<20	0.25	<10	10	32	<10	40	0.01						
1127017148		25	<20	<0.01	<10	<10	9	<10	1560	0.19	1.32	23	8.8	-18	41.3	0.56
1129051034		17	<20	<0.01	<10	<10	2	<10	202	0.97	1.87	76	9.0	18	58.4	1.30
1127017101		48	<20	<0.01	<10	<10	5	<10	80	0.29	1.12	31	8.9	-4	35.0	0.89
1129051511		21	<20	<0.01	<10	<10	2	<10	298	1.00	2.14	78	9.0	11	66.9	1.17
1130057787		12	<20	0.01	<10	<10	9	<10	1040	0.05	1.75	8	8.2	-47	54.7	0.15
1130057786		8	<20	<0.01	<10	<10	3	<10	1370	0.02	2.23	5	8.0	-65	69.7	0.07
1129051403		24	<20	<0.01	<10	<10	3	<10	192	1.06	1.81	76	8.8	19	56.6	1.34

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1129048065		2
1127014001		2
1129048036		1
1127014425		3
1129049016		2
1129050027		2
1127014406		2
1127015008		2
1129050500		2
1129050030		2
1129049020		2
1127015007		2
1129049074		2
V829033		
1129049413		3
1129048406		1
1129015004		2
1129048401		1
1128034015		2
1128034032		2
1128034006		2
1128032009		2
1128032026		2
1128032041		3
1128032006		3
1128032075		3
1128032057		2
1127017119		2
1127017107		2
1128033603		2
1127017102		2
1128033129		2
V829034		
1127017148		2
1129051034		2
1127017101		2
1129051511		2
1130057787		1
1130057786		1
1129051403		2

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Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1130057729		0.44		1.880	5.3	0.41	92	10	60	<0.5	<2	0.10	15.0	7	42	69
1130057779		0.54		0.371	3.3	0.72	177	<10	20	<0.5	<2	0.22	11.0	9	50	99
1129051526		0.52		0.120	2.5	0.77	64	<10	40	<0.5	<2	1.90	0.8	7	57	135
1130057846		0.48		0.336	2.0	0.67	92	<10	20	<0.5	<2	0.62	6.6	8	76	102
1128033101		0.51		0.119	0.7	1.56	27	10	70	<0.5	2	2.30	<0.5	9	80	19
1128033153		0.46		0.061	0.9	1.31	51	10	40	<0.5	2	1.26	<0.5	8	62	16
1129051419		0.55		0.110	1.4	0.89	70	<10	30	<0.5	<2	1.07	1.5	9	46	78
1130057777		0.50		3.11	5.0	1.07	203	10	30	<0.5	2	0.12	12.4	8	67	115
1130057771		0.51		1.190	3.5	0.62	361	<10	20	<0.5	<2	0.22	31.9	7	38	113
1129051028		0.55		1.405	27.6	0.45	77	<10	30	<0.5	2	1.05	4.4	8	68	160
1129051059		0.51		3.42	22.3	0.38	60	<10	30	<0.5	2	2.04	4.7	8	69	157
1130057523		0.58		0.013	0.2	0.46	7	<10	20	<0.5	<2	0.11	<0.5	7	51	9
1129051009		0.47		0.291	4.0	0.37	33	<10	30	<0.5	<2	3.02	2.2	8	83	66
1130057647		0.54		0.348	1.6	0.81	117	<10	20	<0.5	<2	0.04	3.1	11	62	29
1130057844		0.51		0.156	0.6	0.97	90	<10	20	<0.5	<2	0.14	6.3	8	57	28
V829035		0.06		6.50	5.1	0.82	<2	<10	50	<0.5	<2	0.54	<0.5	8	10	41
1130057500		0.57		0.455	0.4	0.44	48	<10	20	<0.5	<2	0.47	1.3	7	39	19
1130057624		0.55		0.514	0.9	0.50	72	<10	20	<0.5	<2	0.11	19.3	11	31	60
1130057753		0.51		0.992	2.0	0.46	208	10	40	<0.5	<2	0.87	11.8	8	34	79
1130057602		0.56	94.1	0.170	0.3	0.62	27	<10	30	<0.5	<2	0.08	1.2	11	43	27
1130057723		0.43		1.555	1.3	0.51	378	<10	30	<0.5	2	0.31	24.2	8	59	191
1130057608		0.44		0.308	0.3	1.39	42	10	40	<0.5	<2	0.23	<0.5	13	45	20
1130057906		0.42		0.206	0.8	0.43	86	<10	30	<0.5	<2	0.08	30.7	9	45	66
1130057720		0.53		7.24	4.3	0.45	79	<10	30	<0.5	2	0.50	6.7	8	60	34
1127018204		0.55		0.054	0.6	0.81	62	<10	30	<0.5	<2	2.59	1.0	6	37	11
1130057801		0.53		1.590	4.7	0.39	320	<10	40	<0.5	2	0.13	11.3	9	73	127
1127018084		0.46		0.599	1.3	1.68	58	10	30	<0.5	<2	1.41	3.5	11	49	54
1130057860		0.54		0.107	0.3	0.59	65	<10	40	<0.5	<2	0.13	1.6	8	62	14
1127018090		0.57		1.575	2.9	1.28	86	<10	30	<0.5	<2	0.34	10.0	8	46	82
1127018108		0.56		0.196	1.6	0.46	77	<10	20	<0.5	<2	2.58	1.3	11	57	29
1127018092		0.52		2.68	3.2	1.24	97	<10	20	<0.5	2	0.63	4.2	10	80	92
1127018241		0.52		0.498	1.3	1.31	41	<10	30	<0.5	<2	2.14	2.4	9	54	35
V829036		0.06		<0.005	<0.2	0.61	<2	<10	30	<0.5	<2	0.33	<0.5	5	7	17
1128036071		0.57		0.124	1.5	1.01	72	<10	20	<0.5	<2	2.12	<0.5	7	55	15
1127018223		0.53		0.435	0.8	1.15	82	<10	30	<0.5	<2	1.90	0.9	10	57	21
1127018265		0.56		0.116	0.7	1.21	101	<10	30	<0.5	<2	2.09	0.5	10	50	20
1127018098		0.55		1.230	3.0	0.53	95	<10	30	<0.5	<2	2.70	4.6	9	53	70
1128036039		0.45		0.036	2.8	0.65	103	<10	20	<0.5	<2	1.77	0.6	9	91	19
1127018064		0.41		0.899	0.9	1.89	55	10	40	<0.5	<2	0.94	6.1	11	48	57
1127018073		0.50		0.233	1.3	1.29	52	<10	30	<0.5	<2	2.05	2.6	10	38	40

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1130057729		1.78	<10	<1	0.30	10	0.05	310	<1	0.01	9	350	176	2.05	3	<1
1130057779		2.76	<10	<1	0.19	10	0.48	510	1	0.01	10	430	114	2.59	<2	<1
1129051526		1.73	<10	<1	0.16	10	0.94	1410	3	0.02	8	400	61	1.35	<2	<1
1130057846		2.46	<10	<1	0.17	10	0.53	1310	1	0.01	9	420	52	2.00	2	<1
1128033101		1.87	<10	<1	0.19	20	0.80	431	<1	0.09	12	450	4	0.41	<2	1
1128033153		1.49	<10	<1	0.18	10	0.64	385	1	0.09	12	390	8	0.81	<2	1
1129051419		1.90	<10	<1	0.15	10	0.60	1350	1	0.02	11	400	40	1.77	<2	<1
1130057777		3.12	<10	<1	0.28	10	0.67	578	1	0.01	11	410	211	2.71	<2	<1
1130057771		3.01	<10	<1	0.31	10	0.20	392	<1	0.01	8	370	136	3.35	<2	<1
1129051028		1.95	<10	1	0.19	10	0.44	1280	1	0.02	12	410	537	2.19	6	<1
1129051059		1.93	<10	1	0.18	<10	0.89	2260	2	0.02	11	410	668	2.24	23	<1
1130057523		0.51	<10	<1	0.02	<10	0.07	73	<1	0.01	6	260	3	0.27	<2	1
1129051009		1.89	<10	1	0.19	<10	0.67	2150	<1	0.02	10	400	185	2.14	3	<1
1130057647		1.70	<10	<1	0.12	10	0.66	306	1	0.01	15	100	165	1.33	<2	1
1130057844		2.02	<10	<1	0.19	10	0.63	367	<1	0.01	10	350	14	1.50	<2	<1
V829035		1.68	<10	<1	0.18	10	0.36	185	16	0.13	10	610	9	0.08	<2	2
1130057500		1.75	<10	<1	0.18	10	0.17	465	1	0.01	8	420	19	1.70	<2	<1
1130057624		1.61	<10	1	0.12	10	0.04	32	4	0.02	12	70	6	2.01	<2	<1
1130057753		1.89	<10	<1	0.31	10	0.21	1260	<1	0.01	8	460	256	1.97	<2	<1
1130057602		1.97	<10	<1	0.16	20	0.32	245	<1	0.01	10	240	12	1.48	<2	<1
1130057723		2.02	<10	1	0.27	10	0.17	1125	1	0.01	9	400	80	1.89	3	<1
1130057608		2.42	<10	<1	0.14	20	0.85	887	<1	0.01	14	640	7	1.17	<2	1
1130057906		1.97	<10	1	0.21	10	0.08	62	<1	0.01	13	310	17	2.50	<2	<1
1130057720		2.23	<10	1	0.24	10	0.22	1365	1	0.01	9	680	43	2.15	<2	<1
1127018204		1.63	<10	<1	0.16	10	0.74	695	<1	0.04	8	370	22	0.98	2	1
1130057801		3.20	<10	<1	0.25	10	0.05	451	1	0.01	9	410	464	3.54	4	<1
1127018084		2.31	<10	<1	0.18	20	0.80	664	<1	0.03	11	560	67	1.29	<2	1
1130057860		1.44	<10	<1	0.18	20	0.29	338	1	0.01	8	460	12	1.15	<2	<1
1127018090		3.23	<10	<1	0.20	10	0.83	475	<1	0.02	11	370	55	2.79	<2	<1
1127018108		2.07	<10	<1	0.20	10	0.81	2130	1	0.02	13	470	99	1.66	<2	1
1127018092		4.38	<10	<1	0.18	10	0.81	535	2	0.01	11	390	87	3.63	<2	<1
1127018241		1.76	<10	<1	0.13	10	0.94	583	<1	0.03	8	380	22	1.39	<2	1
V829036		1.21	<10	<1	0.19	10	0.25	185	1	0.03	8	300	29	0.04	<2	1
1128036071		1.45	<10	<1	0.13	10	0.73	504	<1	0.04	10	430	8	0.79	2	<1
1127018223		1.93	<10	<1	0.15	20	0.76	734	1	0.02	9	530	26	1.32	2	1
1127018265		2.15	<10	<1	0.16	20	0.82	887	<1	0.02	9	540	44	1.37	<2	1
1127018098		2.26	<10	<1	0.18	10	0.68	1690	1	0.01	12	450	252	2.19	2	<1
1128036039		1.77	<10	<1	0.13	10	0.74	721	<1	0.05	11	410	9	1.39	<2	1
1127018064		2.52	<10	<1	0.20	20	0.85	622	<1	0.04	11	560	61	1.61	<2	1
1127018073		2.13	<10	<1	0.14	20	0.81	644	<1	0.04	10	580	33	1.18	3	1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01
1130057729		56	<20	<0.01	<10	<10	2	<10	3430	0.07	2.04	5	8.5	-59	63.8	0.08
1130057779		7	<20	<0.01	<10	<10	3	<10	2590	0.11	2.53	11	7.9	-68	79.1	0.14
1129051526		28	<20	<0.01	<10	<10	3	<10	199	1.01	1.33	75	9.0	33	41.6	1.80
1130057846		9	<20	<0.01	<10	<10	3	<10	1450	0.38	1.96	27	8.7	-34	61.3	0.44
1128033101		60	<20	<0.01	<10	<10	16	<10	106	0.77	0.40	65	9.4	53	12.5	5.20
1128033153		30	<20	<0.01	<10	<10	7	<10	61	0.35	0.74	33	9.0	10	23.1	1.43
1129051419		17	<20	<0.01	<10	<10	3	<10	336	0.52	1.80	40	8.8	-16	56.3	0.71
1130057777		7	<20	<0.01	<10	<10	5	<10	2810	0.10	2.52	8	8.3	-71	78.8	0.10
1130057771		10	<20	<0.01	<10	<10	3	<10	7430	0.12	2.96	10	8.3	-83	92.5	0.11
1129051028		14	<20	<0.01	<10	<10	2	<10	1055	0.54	1.94	45	8.8	-16	60.6	0.74
1129051059		18	<20	<0.01	<10	<10	2	<10	1135	1.15	1.85	94	9.0	36	57.8	1.63
1130057523		7	<20	<0.01	<10	<10	3	<10	55	0.04	0.27	3	7.8	-5	8.4	0.36
1129051009		26	<20	<0.01	<10	<10	2	<10	571	1.34	2.12	108	9.0	42	66.3	1.63
1130057647		9	<20	<0.01	<10	<10	7	<10	777	0.02	1.23	3	8.6	-35	38.4	0.08
1130057844		7	<20	<0.01	<10	<10	4	<10	1605	0.06	1.38	7	8.6	-36	43.1	0.16
V829035		21	<20	0.24	<10	<10	51	<10	36	0.02						
1130057500		7	<20	<0.01	<10	<10	3	<10	364	0.15	1.43	14	8.8	-31	44.7	0.31
1130057624		23	<20	<0.01	<10	<10	2	<10	4340	0.02	1.64	2	8.1	-49	51.3	0.04
1130057753		24	<20	<0.01	<10	<10	2	<10	2660	0.40	1.90	30	8.9	-29	59.4	0.51
1130057602		7	<20	<0.01	<10	<10	5	<10	218	0.07	1.31	4	8.2	-37	40.9	0.10
1130057723		19	<20	<0.01	<10	<10	2	<10	5960	0.24	1.75	14	8.4	-41	54.7	0.26
1130057608		20	<20	<0.01	<10	<10	8	<10	201	0.07	1.04	6	8.1	-27	32.5	0.18
1130057906		8	<20	<0.01	<10	<10	2	<10	7250	0.02	2.28	3	7.8	-68	71.3	0.04
1130057720		11	<20	<0.01	<10	<10	3	<10	1720	0.28	1.79	20	8.5	-36	55.9	0.36
1127018204		47	<20	<0.01	<10	<10	3	<10	247	1.03	0.88	76	8.9	49	27.5	2.76
1130057801		8	<20	<0.01	<10	<10	2	<10	2540	0.06	3.32	6	7.9	-98	103.8	0.06
1127018084		28	<20	0.01	<10	<10	8	<10	876	0.36	1.08	33	8.8	-1	33.8	0.98
1130057860		10	<20	<0.01	<10	<10	2	<10	449	0.05	0.95	5	8.8	-25	29.7	0.17
1127018090		10	<20	<0.01	<10	<10	4	<10	2550	0.09	2.62	14	8.7	-68	81.9	0.17
1127018108		17	<20	<0.01	<10	<10	3	<10	331	1.28	1.43	99	9.0	54	44.7	2.22
1127018092		9	<20	<0.01	<10	<10	5	<10	1060	0.22	3.38	21	8.4	-85	105.6	0.20
1127018241		21	<20	<0.01	<10	<10	5	<10	665	0.72	1.38	57	8.8	14	43.1	1.32
V829036		9	20	0.10	<10	10	23	<10	36	0.03						
1128036071		21	<20	<0.01	<10	<10	4	<10	71	0.73	0.69	58	9.2	36	21.6	2.69
1127018223		23	<20	<0.01	<10	<10	5	<10	221	0.62	1.18	51	8.9	14	36.9	1.38
1127018265		21	<20	<0.01	<10	<10	8	<10	129	0.72	1.33	57	8.7	15	41.6	1.37
1127018098		25	<20	<0.01	<10	<10	3	<10	1160	1.13	2.26	93	9.0	22	70.6	1.32
1128036039		19	<20	<0.01	<10	<10	3	<10	139	0.81	1.27	63	9.4	23	39.7	1.59
1127018064		27	<20	<0.01	<10	<10	9	<10	1485	0.17	1.53	22	8.8	-26	47.8	0.46
1127018073		21	<20	<0.01	<10	<10	7	<10	637	0.64	1.16	55	9.0	19	36.3	1.52

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1130057729		1
1130057779		1
1129051526		2
1130057846		2
1128033101		2
1128033153		2
1129051419		2
1130057777		1
1130057771		1
1129051028		2
1129051059		3
1130057523		1
1129051009		3
1130057647		1
1130057844		1
V829035		
1130057500		1
1130057624		1
1130057753		2
1130057602		1
1130057723		1
1130057608		1
1130057906		1
1130057720		1
1127018204		2
1130057801		1
1127018084		2
1130057860		1
1127018090		1
1127018108		3
1127018092		1
1127018241		2
V829036		
1128036071		2
1127018223		2
1127018265		2
1127018098		3
1128036039		2
1127018064		2
1127018073		2

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CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1128036220		0.52		0.152	5.1	0.55	568	<10	30	<0.5	<2	2.65	0.8	8	60	17
1128036069		0.54		0.068	1.3	0.99	185	<10	30	<0.5	2	1.83	0.9	8	64	14
1128036099		0.57		0.047	0.6	1.17	20	<10	40	<0.5	<2	1.31	<0.5	8	50	19
1127018146		0.48		0.413	2.1	0.48	70	<10	40	<0.5	<2	2.74	2.9	11	84	68
1127018153		0.51		0.801	2.1	0.51	54	<10	30	<0.5	<2	2.99	3.2	8	69	54
1128036002		0.44		0.058	0.7	1.21	37	<10	40	<0.5	<2	2.90	<0.5	6	73	19
1128036061		0.45		0.040	0.6	1.26	42	<10	40	<0.5	<2	1.62	<0.5	8	95	22
1128036037		0.57		0.052	1.6	0.89	260	<10	30	<0.5	<2	2.89	<0.5	7	68	14
1131066378		0.44		0.169	1.3	1.34	15	<10	40	<0.5	<2	0.48	<0.5	10	69	38
V829037		0.06		0.423	5.1	0.83	<2	<10	50	<0.5	<2	0.42	<0.5	6	7	23
1129031013		0.57		0.791	2.3	0.53	35	<10	40	<0.5	<2	1.71	3.4	12	227	66
1129051021		0.52		0.819	3.2	0.82	24	<10	30	<0.5	<2	0.50	0.9	8	44	47

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1128036220		1.76	<10	<1	0.16	10	0.79	1220	1	0.04	9	370	15	1.33	3	1
1128036069		1.93	<10	1	0.14	10	0.50	513	1	0.08	10	380	10	1.68	<2	1
1128036099		1.40	<10	<1	0.18	10	0.73	320	1	0.06	9	330	14	0.69	<2	1
1127018146		2.60	<10	<1	0.24	10	0.74	1575	2	0.02	14	420	149	2.61	3	<1
1127018153		2.12	<10	<1	0.25	10	0.95	2170	1	0.02	12	390	411	1.89	2	<1
1128036002		1.72	<10	<1	0.16	10	0.93	496	1	0.08	7	350	20	0.84	<2	1
1128036061		1.71	<10	<1	0.18	10	0.68	370	1	0.09	10	370	18	0.97	<2	1
1128036037		1.81	<10	<1	0.15	10	0.79	812	2	0.06	10	400	7	1.15	<2	<1
1131066378		2.18	<10	<1	0.13	20	0.85	518	1	0.07	10	510	11	1.94	<2	<1
V829037		1.70	<10	<1	0.15	10	0.21	188	17	0.14	8	370	24	0.03	<2	1
1129031013		1.86	<10	<1	0.27	10	0.39	941	1	0.02	16	410	528	1.82	2	<1
1129051021		1.93	<10	<1	0.14	10	0.30	573	<1	0.03	11	420	56	2.07	<2	<1

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VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOR	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1128036220		31	<20	<0.01	<10	<10	2	<10	241	1.20	1.23	97	9.2	59	38.4	2.52
1128036069		41	<20	<0.01	<10	<10	5	<10	261	0.54	1.65	47	9.2	-5	51.6	0.91
1128036099		38	<20	<0.01	<10	<10	7	<10	93	0.38	0.66	35	9.3	14	20.6	1.70
1127018146		22	<20	<0.01	<10	<10	2	<10	783	1.20	2.61	96	9.2	14	81.6	1.18
1127018153		24	<20	<0.01	<10	<10	3	<10	820	1.48	1.85	116	9.2	58	57.8	2.01
1128036002		113	<20	<0.01	<10	<10	5	<10	147	1.00	0.79	80	9.4	55	24.7	3.24
1128036061		46	<20	<0.01	<10	<10	6	<10	94	0.45	0.88	40	9.2	13	27.5	1.45
1128036037		40	<20	<0.01	<10	<10	3	<10	111	1.06	1.03	81	9.2	49	32.2	2.52
1131066378		23	<20	<0.01	<10	<10	6	<10	136	0.12	1.99	13	8.3	-49	62.2	0.21
V829037		21	20	0.28	<10	10	35	<10	44	0.04						
1129031013		16	<20	<0.01	<10	<10	3	<10	897	0.83	1.84	59	9.1	2	57.5	1.03
1129051021		17	<20	<0.01	<10	<10	3	<10	225	0.15	2.05	15	8.4	-49	64.1	0.23

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1128036220		3
1128036069		2
1128036099		2
1127018146		3
1127018153		3
1128036002		2
1128036061		2
1128036037		2
1131066378		1
V829037		
1129031013		2
1129051021		1

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Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

CERTIFICATE OF ANALYSIS TB18054441

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-24	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	C-IR07	ME-ICP41	OA-ELE07
	OA-VOL08	S-IR08		

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

CERTIFICATE TB18073654

Project: Mine Site Lab Pulps February

P.O. No.: 4500009909

This report is for 143 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 3-APR-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
ATTN: JASON PATTISON
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1128037014		0.38	91.5	0.960	1.1	0.64	32	<10	30	<0.5	<2	2.44	5.1	7	83	92
1128036001		0.60		0.093	0.4	1.03	111	<10	40	<0.5	<2	2.40	<0.5	6	45	17
1128036050		0.55		0.141	0.8	1.12	38	<10	40	<0.5	<2	2.45	<0.5	5	45	18
1131066312		0.55		0.191	1.3	1.29	25	<10	40	<0.5	<2	0.67	<0.5	9	29	44
1131066220		0.48		0.117	0.5	1.13	13	<10	30	<0.5	<2	0.49	<0.5	13	97	31
1128037020		0.44		1.220	2.7	0.55	49	<10	20	<0.5	<2	2.42	2.8	7	138	57
1128037021		0.63		0.411	2.3	0.53	45	<10	20	<0.5	2	2.31	1.8	8	60	54
1131067102		0.47		0.093	1.4	0.29	43	<10	20	<0.5	<2	0.13	0.6	9	161	28
1128037001		0.35		0.803	1.8	0.81	62	<10	30	<0.5	2	2.68	1.8	9	77	34
1128037093		0.47		0.661	3.2	0.43	54	<10	20	<0.5	<2	1.19	1.9	8	139	43
1131067052		0.43		0.332	1.8	0.42	64	<10	40	<0.5	<2	0.13	8.5	11	105	70
1131066290		0.48		0.100	0.3	1.39	40	<10	30	<0.5	<2	0.79	<0.5	10	51	24
1131066377		0.45		0.191	1.0	1.13	22	<10	20	<0.5	<2	0.39	0.5	12	73	49
1128037050		0.44		3.70	3.6	0.45	43	<10	20	<0.5	<2	2.17	5.1	7	109	148
1131067010		0.60		0.464	1.3	0.29	173	<10	20	<0.5	<2	0.24	5.4	13	121	43
1131067013		0.57		0.166	0.6	1.16	20	<10	40	<0.5	2	1.97	0.8	12	169	47
1128037098		0.52		0.443	2.5	0.46	38	<10	20	<0.5	2	1.95	7.7	8	120	107
V829038		0.06		6.34	4.9	0.83	<2	<10	50	<0.5	<2	0.52	<0.5	7	10	38
1128037128		0.51		0.986	3.1	0.63	44	<10	20	<0.5	<2	1.30	1.6	8	155	36
1128037112		0.53		0.696	2.6	0.43	33	<10	30	<0.5	2	0.25	1.9	9	109	33
1131066386		0.58		0.257	1.5	1.17	32	<10	30	<0.5	<2	0.58	1.2	9	103	57
1131066325		0.52		0.215	1.5	0.94	27	<10	20	<0.5	<2	0.19	0.6	8	128	29
1131066263		0.46		0.274	3.2	0.71	32	<10	20	<0.5	2	0.12	7.3	8	88	58
1131066347		0.45		0.077	0.6	1.06	25	<10	30	<0.5	<2	0.51	1.0	8	64	34
1131066416		0.45		0.418	3.6	1.04	19	<10	20	<0.5	<2	0.07	7.4	10	92	158
1131066239		0.45		0.086	0.7	1.08	11	<10	40	<0.5	2	0.67	0.7	10	75	18
1128037194		0.48		0.297	3.2	0.42	29	<10	20	<0.5	<2	0.57	3.4	7	86	62
1127019502		0.55		0.018	<0.2	1.11	5	<10	40	<0.5	<2	1.48	<0.5	8	112	25
1127019535		0.55		0.096	0.3	1.21	6	<10	50	<0.5	<2	0.98	<0.5	8	89	63
1128038092		0.53		6.40	2.0	0.70	44	<10	20	<0.5	2	0.59	1.4	8	72	89
1127019024		0.55		0.189	0.5	1.23	17	<10	60	<0.5	<2	1.44	<0.5	14	115	36
1127019527		0.55		0.055	0.2	1.21	8	<10	50	<0.5	<2	0.80	<0.5	8	93	32
1127019224		0.56		0.024	<0.2	1.07	5	<10	40	<0.5	<2	1.23	<0.5	7	112	17
1128038026		0.55		0.745	1.8	0.48	34	<10	30	<0.5	2	1.98	2.2	8	76	44
1127019166		0.54		0.021	0.3	1.27	6	<10	50	<0.5	<2	1.23	<0.5	9	109	55
1127019025		0.55		0.024	<0.2	1.31	6	<10	40	<0.5	<2	1.57	<0.5	9	137	18
1127019178		0.53		0.016	0.4	1.20	28	<10	30	<0.5	<2	2.90	<0.5	7	49	8
1128038022		0.51		0.209	1.8	0.53	22	<10	30	<0.5	<2	1.43	1.0	9	78	21
1128038109		0.54		1.410	0.9	0.82	51	<10	20	<0.5	<2	2.47	0.7	8	71	36
V829039		0.06		0.197	1.4	0.85	2	<10	40	<0.5	<2	0.46	<0.5	10	11	53

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
1128037014		1.95	<10	1	0.25	10	0.79	1350	1	0.01	10	390	177	1.82	<2	<1
1128036001		1.41	<10	<1	0.14	10	0.69	391	<1	0.05	8	330	19	0.73	<2	1
1128036050		1.47	<10	1	0.16	10	0.84	465	1	0.05	7	330	21	0.79	<2	1
1131066312		1.96	<10	1	0.13	10	0.84	736	1	0.06	9	500	18	1.60	<2	1
1131066220		2.64	<10	1	0.11	30	0.89	671	1	0.01	23	840	19	2.38	<2	1
1128037020		1.91	<10	1	0.16	10	0.57	1320	1	0.01	10	380	333	1.87	<2	<1
1128037021		1.86	<10	1	0.16	10	0.61	1400	1	0.01	10	410	241	1.86	<2	<1
1131067102		1.53	<10	<1	0.11	10	0.07	148	1	0.01	12	190	15	1.56	<2	<1
1128037001		1.87	<10	1	0.23	10	0.75	1480	<1	0.02	11	460	323	1.47	<2	1
1128037093		1.99	<10	1	0.15	10	0.42	1245	1	0.01	12	420	249	2.07	<2	<1
1131067052		2.75	<10	1	0.15	10	0.12	1155	1	0.01	16	420	29	2.85	8	<1
1131066290		2.08	<10	1	0.13	20	0.90	936	1	0.04	9	680	32	1.28	<2	1
1131066377		2.64	<10	1	0.09	20	0.77	403	2	0.02	13	910	22	2.67	<2	1
1128037050		1.87	<10	1	0.16	10	0.76	1290	1	0.01	9	430	731	1.64	<2	<1
1131067010		2.98	<10	1	0.12	10	0.09	64	2	0.01	16	60	101	3.19	<2	<1
1131067013		2.90	<10	<1	0.17	10	0.78	532	5	0.05	19	370	19	1.20	<2	2
1128037098		2.10	<10	1	0.14	10	0.74	1210	1	0.01	10	390	78	2.24	<2	<1
V829038		1.65	<10	1	0.17	10	0.36	179	15	0.13	9	560	8	0.06	<2	2
1128037128		2.07	<10	<1	0.16	10	0.30	813	1	0.02	12	440	54	2.05	<2	<1
1128037112		2.01	<10	1	0.17	10	0.16	1245	1	0.01	12	360	77	2.09	<2	<1
1131066386		1.93	<10	1	0.11	10	0.87	607	1	0.04	14	520	51	1.46	<2	1
1131066325		1.68	<10	1	0.09	10	0.68	354	1	0.02	9	500	40	1.42	<2	<1
1131066263		1.77	<10	1	0.08	10	0.45	93	1	0.02	9	220	447	1.84	<2	<1
1131066347		1.72	<10	<1	0.15	10	0.63	295	1	0.03	11	120	26	1.04	<2	1
1131066416		1.87	<10	1	0.09	20	0.83	336	1	0.01	20	220	33	1.74	<2	1
1131066239		2.27	<10	1	0.13	20	0.64	333	1	0.05	11	670	12	2.33	<2	1
1128037194		1.94	<10	1	0.16	10	0.25	530	1	0.01	11	450	51	2.17	<2	<1
1127019502		1.90	<10	1	0.13	10	0.61	416	1	0.04	12	380	<2	0.17	<2	1
1127019535		2.19	<10	1	0.18	10	0.68	283	1	0.04	9	420	4	0.66	<2	1
1128038092		1.97	<10	1	0.13	10	0.42	1200	1	0.03	10	400	207	1.96	<2	<1
1127019024		3.36	<10	1	0.24	10	0.93	386	2	0.03	17	420	2	2.17	<2	1
1127019527		2.11	<10	<1	0.17	10	0.68	284	1	0.05	9	400	2	0.64	<2	1
1127019224		1.91	<10	1	0.13	10	0.63	276	1	0.04	11	380	<2	0.42	<2	1
1128038026		2.00	<10	1	0.17	10	0.83	1440	1	0.01	10	400	250	1.95	<2	<1
1127019166		1.99	10	<1	0.15	10	0.75	348	1	0.05	12	420	<2	0.36	<2	2
1127019025		2.03	10	<1	0.11	10	0.76	294	1	0.05	12	410	2	0.43	<2	1
1127019178		1.58	<10	1	0.13	10	0.78	388	<1	0.05	8	330	8	1.21	2	1
1128038022		1.83	<10	<1	0.18	10	0.64	1195	1	0.01	12	450	71	2.00	<2	<1
1128038109		1.81	<10	<1	0.14	10	0.69	1115	1	0.02	9	420	72	1.58	2	1
V829039		2.44	<10	<1	0.20	10	0.35	246	4	0.14	10	520	23	0.04	2	2

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01
1128037014		20	<20	<0.01	<10	<10	3	<10	1245	1.26	1.85	98	8.7	40	57.8	1.70
1128036001		75	<20	<0.01	<10	<10	4	<10	105	0.91	0.74	76	9.0	53	23.1	3.29
1128036050		64	<20	<0.01	<10	<10	5	<10	112	0.92	0.81	78	9.1	53	25.3	3.08
1131066312		27	<20	0.01	<10	<10	8	<10	98	0.19	1.63	16	8.3	-35	50.9	0.31
1131066220		15	<20	<0.01	<10	<10	10	<10	146	0.18	2.23	14	7.9	-56	69.7	0.20
1128037020		17	<20	<0.01	<10	<10	3	<10	739	1.02	1.82	84	8.7	27	56.9	1.48
1128037021		17	<20	<0.01	<10	<10	2	<10	466	0.97	1.72	78	8.9	24	53.8	1.45
1131067102		14	<20	<0.01	<10	<10	2	<10	171	0.06	1.38	4	8.2	-39	43.1	0.09
1128037001		26	<20	<0.01	<10	<10	3	<10	434	1.23	1.41	98	8.9	54	44.1	2.22
1128037093		12	<20	<0.01	<10	<10	2	<10	473	0.54	2.09	43	8.7	-22	65.3	0.66
1131067052		15	<20	<0.01	<10	<10	2	<10	2120	0.14	2.74	5	7.6	-81	85.6	0.06
1131066290		21	<20	<0.01	<10	<10	7	<10	112	0.23	1.24	24	8.2	-15	38.8	0.62
1131066377		16	<20	<0.01	<10	<10	7	<10	149	0.08	2.36	11	7.9	-63	73.8	0.15
1128037050		17	<20	<0.01	<10	<10	2	<10	1310	1.14	1.40	88	8.8	44	43.8	2.01
1131067010		12	<20	<0.01	<10	<10	3	<10	1175	0.13	3.10	8	8.1	-89	96.9	0.08
1131067013		37	<20	0.02	<10	<10	35	<10	182	0.80	1.14	68	8.6	32	35.6	1.91
1128037098		18	<20	<0.01	<10	<10	2	<10	1825	0.98	2.26	77	8.7	6	70.6	1.09
V829038		21	<20	0.23	<10	<10	48	<10	34	0.02						
1128037128		15	<20	<0.01	<10	<10	3	<10	407	0.44	1.90	37	8.6	-22	59.4	0.62
1128037112		7	<20	<0.01	<10	<10	2	<10	515	0.14	2.09	11	8.6	-54	65.3	0.17
1131066386		17	<20	<0.01	<10	<10	7	<10	319	0.21	1.28	20	8.8	-20	40.0	0.50
1131066325		12	<20	<0.01	<10	<10	4	<10	172	0.13	1.36	6	8.4	-37	42.5	0.14
1131066263		9	<20	<0.01	<10	<10	3	<10	1820	0.05	1.69	4	8.3	-49	52.8	0.08
1131066347		20	<20	0.01	<10	<10	17	<10	280	0.20	0.90	18	8.5	-10	28.1	0.64
1131066416		10	<20	<0.01	<10	<10	9	<10	1520	0.03	1.80	4	7.8	-52	56.3	0.07
1131066239		27	<20	<0.01	<10	<10	6	<10	246	0.17	2.17	18	8.2	-50	67.8	0.27
1128037194		9	<20	<0.01	<10	<10	2	<10	840	0.26	2.12	23	8.7	-43	66.3	0.35
1127019502		24	<20	0.02	<10	<10	16	<10	69	0.51	0.18	43	9.5	37	5.6	7.64
1127019535		25	<20	0.03	<10	<10	18	<10	45	0.31	0.68	31	9.2	10	21.3	1.46
1128038092		15	<20	<0.01	<10	<10	3	<10	424	0.30	1.94	25	8.6	-36	60.6	0.41
1127019024		37	<20	0.03	<10	<10	17	10	46	0.47	2.02	42	9.1	-21	63.1	0.67
1127019527		22	<20	0.03	<10	<10	17	<10	34	0.23	0.71	26	9.4	4	22.2	1.17
1127019224		27	<20	0.02	<10	<10	15	<10	28	0.44	0.45	38	9.4	24	14.1	2.70
1128038026		16	<20	<0.01	<10	<10	3	<10	563	1.08	1.91	85	9.0	25	59.7	1.42
1127019166		27	<20	0.02	<10	<10	20	<10	36	0.38	0.31	37	9.4	27	9.7	3.82
1127019025		36	<20	0.02	<10	<10	16	<10	34	0.52	0.44	43	9.3	29	13.8	3.13
1127019178		89	<20	<0.01	<10	<10	5	<10	74	0.89	1.18	79	9.3	42	36.9	2.14
1128038022		15	<20	<0.01	<10	<10	2	<10	262	0.73	2.08	59	8.6	-6	65.0	0.91
1128038109		23	<20	<0.01	<10	<10	3	<10	162	1.04	1.62	80	8.5	29	50.6	1.58
V829039		19	<20	0.38	<10	<10	58	<10	59	0.02						

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1128037014		3
1128036001		3
1128036050		3
1131066312		1
1131066220		1
1128037020		3
1128037021		2
1131067102		1
1128037001		3
1128037093		2
1131067052		1
1131066290		2
1131066377		1
1128037050		3
1131067010		1
1131067013		3
1128037098		2
V829038		
1128037128		2
1128037112		1
1131066386		2
1131066325		1
1131066263		1
1131066347		2
1131066416		1
1131066239		1
1128037194		2
1127019502		2
1127019535		2
1128038092		2
1127019024		2
1127019527		2
1127019224		2
1128038026		3
1127019166		2
1127019025		2
1127019178		3
1128038022		2
1128038109		2
V829039		

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1128038126		0.51		0.530	2.8	0.79	65	<10	20	<0.5	<2	2.07	2.0	8	77	71
1127019119		0.46		0.093	1.4	1.40	45	<10	40	<0.5	<2	2.17	<0.5	8	64	19
1129098230		0.51		0.236	1.2	0.86	92	<10	30	<0.5	2	0.64	6.4	6	66	29
1129098237		0.54		0.534	2.2	0.86	90	<10	30	<0.5	<2	1.34	9.2	7	66	42
1128038133		0.54		0.275	5.1	0.43	38	<10	30	<0.5	4	1.40	2.8	9	78	78
1129098228		0.43		0.175	1.4	1.33	96	<10	50	<0.5	<2	0.21	10.5	11	111	48
1127022331		0.47		0.095	0.8	0.62	30	<10	30	<0.5	<2	2.39	<0.5	9	121	69
1129098343		0.44		0.238	1.3	1.67	130	<10	40	<0.5	<2	0.24	6.4	7	69	33
1129098310		0.54		1.420	1.4	1.39	74	<10	30	<0.5	<2	0.39	7.4	8	62	75
1127019194		0.48	93.6	0.790	4.1	0.55	147	<10	30	<0.5	<2	2.21	3.9	9	93	55
1131068016		0.47		0.372	0.4	0.63	48	<10	30	<0.5	<2	0.04	0.7	11	50	15
1131068039		0.57		0.009	0.2	0.44	6	<10	10	<0.5	<2	0.10	<0.5	5	104	9
1127022068		0.53		0.030	0.2	1.17	7	<10	40	<0.5	<2	1.30	<0.5	9	95	21
1129098363		0.50		1.910	35.9	1.52	119	<10	20	<0.5	<2	0.28	18.8	7	56	359
1129098370		0.43		0.536	1.6	1.20	105	<10	20	<0.5	2	0.17	8.5	9	95	59
1127022041		0.44		0.059	0.3	1.36	8	<10	60	<0.5	<2	1.36	<0.5	9	91	22
1129098280		0.53		0.729	1.3	1.08	119	<10	60	<0.5	<2	0.18	7.0	10	95	75
V829040		0.06		0.402	4.8	0.81	<2	<10	50	<0.5	<2	0.42	<0.5	6	7	22
1127022007		0.53		0.010	0.3	1.08	5	<10	50	<0.5	<2	1.40	<0.5	8	208	26
1129098334		0.47		0.285	2.2	0.47	194	<10	30	<0.5	<2	0.21	9.9	10	163	79
1129098319		0.53		0.401	1.0	1.08	112	<10	20	<0.5	<2	0.21	5.7	10	85	27
1129098353		0.52		0.220	1.0	0.75	139	<10	70	<0.5	<2	0.52	1.1	14	256	42
1127022100		0.52		0.070	<0.2	1.10	8	<10	50	<0.5	<2	1.67	<0.5	8	118	27
1129098296		0.46		0.637	1.9	1.01	143	<10	20	<0.5	<2	0.15	13.2	10	203	61
1127022037		0.55		0.160	0.8	1.09	19	<10	50	<0.5	<2	1.40	0.7	12	175	27
1129052150		0.53		0.166	1.3	0.91	150	<10	30	<0.5	<2	0.23	23.8	7	160	77
1129052030		0.55		0.178	0.7	0.52	104	<10	20	<0.5	<2	0.37	0.9	10	147	28
1129052070		0.52		0.836	2.9	1.64	173	<10	20	<0.5	<2	0.31	22.8	7	142	279
1129052043		0.42		0.685	5.8	0.57	530	<10	20	<0.5	<2	1.03	13.8	9	225	118
1129052011		0.42		0.401	0.6	2.87	66	<10	210	0.8	<2	0.62	0.9	30	281	74
1129053120		0.48		0.533	0.7	0.40	75	<10	20	<0.5	<2	1.71	4.1	5	179	39
1129052013		0.50		1.075	1.3	1.15	142	<10	20	<0.5	<2	0.12	6.1	9	124	155
1128039004		0.47		0.338	2.8	0.44	36	<10	30	<0.5	<2	0.61	2.2	9	165	54
1128039025		0.46		0.377	3.2	0.44	40	<10	20	<0.5	2	0.57	4.1	8	232	64
V829041		0.06		0.200	1.4	0.75	2	<10	40	<0.5	<2	0.38	<0.5	9	11	50
1129052024		0.56		1.780	1.0	1.14	86	<10	20	<0.5	<2	0.21	4.7	8	131	51
1131069006		0.48		0.098	0.6	1.03	34	<10	40	<0.5	<2	0.51	<0.5	7	115	24
1129053064		0.52		0.623	0.6	0.60	128	<10	30	<0.5	<2	0.76	6.2	6	161	40
1131069105		0.51		0.119	<0.2	1.91	11	<10	30	<0.5	<2	0.92	<0.5	6	67	21
1131069047		0.47		0.013	<0.2	1.49	8	<10	30	<0.5	<2	0.55	<0.5	8	62	28

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
1128038126		1.92	<10	<1	0.13	10	0.68	1070	1	0.02	10	430	233	1.79	2	<1
1127019119		1.72	<10	<1	0.14	10	0.95	622	1	0.04	9	370	16	1.01	<2	1
1129098230		2.19	<10	<1	0.22	10	0.52	605	1	<0.01	9	430	60	1.78	2	<1
1129098237		2.28	<10	<1	0.25	10	0.62	818	1	<0.01	9	460	164	2.01	4	<1
1128038133		2.12	<10	1	0.20	10	0.68	1460	<1	0.01	11	430	321	2.44	7	<1
1129098228		3.17	<10	<1	0.30	20	0.98	507	1	<0.01	23	640	27	2.19	<2	2
1127022331		2.02	<10	<1	0.17	10	0.72	570	1	0.03	10	380	4	1.02	<2	1
1129098343		2.32	<10	<1	0.58	20	1.33	856	1	<0.01	9	390	46	1.48	<2	1
1129098310		2.89	<10	<1	0.35	20	0.92	502	1	<0.01	10	400	30	1.74	2	1
1127019194		2.11	<10	1	0.19	<10	0.90	1975	1	0.01	11	400	599	2.04	3	<1
1131068016		1.82	<10	1	0.16	10	0.25	58	1	0.01	12	70	11	1.84	<2	<1
1131068039		0.46	<10	<1	0.03	<10	0.08	64	1	<0.01	6	290	2	0.19	<2	<1
1127022068		1.93	10	<1	0.30	10	0.68	391	1	0.04	11	390	3	0.30	<2	2
1129098363		2.90	<10	1	0.38	10	1.23	675	<1	<0.01	7	380	191	2.06	7	1
1129098370		2.78	<10	<1	0.33	20	0.78	803	1	0.01	11	430	14	2.02	<2	1
1127022041		2.03	<10	<1	0.35	10	0.72	458	1	0.06	9	390	<2	0.60	2	1
1129098280		2.75	<10	<1	0.33	20	0.71	690	1	0.01	18	580	15	2.04	<2	2
V829040		1.60	<10	<1	0.15	10	0.20	186	16	0.12	9	360	23	0.03	<2	1
1127022007		1.79	<10	<1	0.35	10	0.60	275	1	0.04	9	420	4	0.23	3	1
1129098334		2.52	<10	1	0.20	10	0.20	309	1	0.01	15	480	14	2.54	2	1
1129098319		2.34	<10	1	0.22	10	0.76	528	1	0.01	12	480	15	1.77	2	1
1129098353		2.67	<10	<1	0.30	10	0.60	1010	1	0.02	26	660	13	1.98	<2	2
1127022100		1.74	<10	<1	0.30	10	0.64	390	1	0.04	13	410	3	0.38	<2	1
1129098296		2.97	<10	<1	0.18	10	0.73	545	1	<0.01	11	440	21	2.30	<2	<1
1127022037		2.73	<10	<1	0.24	10	0.66	442	1	0.04	11	390	2	1.82	<2	1
1129052150		2.66	<10	1	0.31	10	0.53	476	1	<0.01	8	430	32	2.46	2	<1
1129052030		2.05	<10	1	0.16	10	0.38	953	1	<0.01	12	440	11	1.78	2	<1
1129052070		3.36	<10	<1	0.41	20	1.36	942	1	<0.01	11	400	34	2.18	5	1
1129052043		2.64	<10	<1	0.18	10	0.50	700	1	<0.01	11	450	53	2.47	<2	<1
1129052011		4.64	10	<1	0.83	30	2.71	3510	<1	0.01	90	2330	35	1.04	2	12
1129053120		1.80	<10	1	0.19	10	0.74	1510	1	<0.01	7	380	126	1.48	<2	<1
1129052013		2.52	<10	<1	0.14	10	0.77	436	1	<0.01	13	360	12	1.80	3	<1
1128039004		2.15	<10	<1	0.12	10	0.33	455	1	0.02	12	390	91	2.24	4	<1
1128039025		2.32	<10	1	0.10	10	0.34	467	1	0.02	14	410	71	2.39	3	<1
V829041		2.36	<10	<1	0.19	10	0.33	237	4	0.12	10	490	19	0.04	2	2
1129052024		2.47	<10	<1	0.18	10	0.73	543	1	<0.01	12	420	46	1.94	<2	<1
1131069006		1.40	<10	<1	0.12	10	0.38	252	1	0.03	8	460	15	0.98	<2	<1
1129053064		2.12	<10	<1	0.24	10	0.50	949	1	<0.01	7	310	28	1.65	<2	<1
1131069105		1.66	<10	<1	0.11	10	0.49	322	<1	0.08	5	420	6	0.49	<2	1
1131069047		1.48	<10	<1	0.10	10	0.38	370	1	0.05	6	440	8	0.29	<2	1

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01
1128038126		20	<20	<0.01	<10	<10	3	<10	488	0.93	1.85	72	8.7	14	57.8	1.25
1127019119		33	<20	<0.01	<10	<10	5	<10	128	0.77	0.93	62	8.9	33	29.1	2.13
1129098230		7	<20	<0.01	<10	<10	4	<10	1560	0.22	1.80	21	8.7	-35	56.3	0.37
1129098237		21	<20	<0.01	<10	<10	4	<10	2240	0.49	1.95	40	8.7	-21	60.9	0.66
1128038133		14	<20	<0.01	<10	<10	2	<10	701	0.79	2.40	61	8.8	-14	75.0	0.81
1129098228		11	<20	0.02	<10	<10	20	<10	2570	0.04	2.18	10	8.4	-58	68.1	0.15
1127022331		38	<20	<0.01	<10	<10	3	<10	66	1.18	0.95	80	8.6	50	29.7	2.69
1129098343		10	<20	0.02	<10	<10	9	<10	1620	0.05	1.45	10	8.7	-35	45.3	0.22
1129098310		9	<20	0.02	<10	<10	8	<10	1820	0.13	1.74	15	8.6	-39	54.4	0.28
1127019194		23	<20	<0.01	<10	<10	3	<10	958	1.15	1.99	83	9.0	21	62.2	1.33
1131068016		14	<20	<0.01	<10	<10	3	<10	255	0.01	1.79	3	8.0	-53	55.9	0.05
1131068039		7	<20	<0.01	<10	<10	3	<10	26	0.02	0.19	3	7.5	-3	5.9	0.51
1127022068		23	<20	0.04	<10	<10	18	<10	112	0.42	0.31	40	9.1	30	9.7	4.13
1129098363		7	<20	0.01	<10	<10	8	<10	4470	0.08	2.13	12	8.6	-55	66.6	0.18
1129098370		6	<20	0.01	<10	<10	6	<10	2030	0.10	2.08	10	8.3	-55	65.0	0.15
1127022041		31	<20	0.04	<10	<10	16	<10	133	0.40	0.58	41	9.3	23	18.1	2.26
1129098280		10	<20	0.02	<10	<10	15	<10	1710	0.10	2.04	9	8.2	-55	63.8	0.14
V829040		20	20	0.28	<10	10	35	<10	45	0.02						
1127022007		19	<20	0.06	<10	<10	18	<10	81	0.43	0.23	42	9.4	35	7.2	5.84
1129098334		9	<20	0.01	<10	<10	6	<10	2340	0.08	2.60	8	8.1	-73	81.3	0.10
1129098319		7	<20	0.01	<10	<10	7	<10	1500	0.08	1.77	10	8.5	-45	55.3	0.18
1129098353		16	<20	0.03	<10	<10	22	<10	367	0.24	2.03	21	8.4	-42	63.4	0.33
1127022100		33	<20	0.04	<10	<10	14	<10	147	0.56	0.35	47	9.1	36	10.9	4.30
1129098296		5	<20	0.01	<10	<10	6	<10	3350	0.05	2.41	6	8.0	-69	75.3	0.08
1127022037		24	<20	0.02	<10	<10	11	<10	208	0.46	1.84	40	8.9	-18	57.5	0.70
1129052150		9	<20	0.01	<10	<10	5	<10	5780	0.10	2.53	10	8.1	-69	79.1	0.13
1129052030		8	<20	<0.01	<10	<10	3	<10	294	0.22	1.84	16	8.5	-42	57.5	0.28
1129052070		9	<20	0.02	<10	<10	9	10	5120	0.12	2.17	14	8.5	-54	67.8	0.21
1129052043		12	<20	<0.01	<10	<10	3	<10	3190	0.45	2.61	36	8.5	-46	81.6	0.44
1129052011		63	<20	0.11	<10	<10	89	<10	591	0.31	1.02	18	8.1	-14	31.9	0.56
1129053120		22	<20	<0.01	<10	<10	2	<10	1040	0.99	1.46	73	9.0	27	45.6	1.60
1129052013		7	<20	<0.01	<10	<10	5	<10	1560	0.02	1.89	5	8.2	-54	59.1	0.08
1128039004		15	<20	<0.01	<10	<10	2	<10	498	0.33	2.13	24	8.3	-43	66.6	0.36
1128039025		12	<20	<0.01	<10	<10	2	<10	1100	0.33	2.50	23	7.9	-55	78.1	0.29
V829041		16	<20	0.35	<10	<10	53	<10	57	0.01						
1129052024		10	<20	<0.01	<10	<10	6	<10	1260	0.02	1.96	6	8.1	-55	61.3	0.10
1131069006		31	<20	<0.01	<10	<10	5	<10	134	0.11	0.90	11	7.9	-17	28.1	0.39
1129053064		29	<20	<0.01	<10	<10	4	<10	1570	0.45	1.92	35	8.4	-25	60.0	0.58
1131069105		67	<20	0.01	<10	<10	6	<10	74	0.16	0.52	12	8.2	-4	16.3	0.74
1131069047		48	<20	0.01	<10	<10	6	<10	75	0.11	0.28	9	8.1	0	8.8	1.03

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1128038126		2
1127019119		2
1129098230		2
1129098237		2
1128038133		2
1129098228		1
1127022331		2
1129098343		1
1129098310		1
1127019194		2
1131068016		1
1131068039		1
1127022068		2
1129098363		1
1129098370		1
1127022041		2
1129098280		1
V829040		
1127022007		2
1129098334		1
1129098319		1
1129098353		2
1127022100		2
1129098296		1
1127022037		2
1129052150		1
1129052030		1
1129052070		1
1129052043		2
1129052011		1
1129053120		2
1129052013		1
1128039004		2
1128039025		2
V829041		
1129052024		1
1131069006		1
1129053064		2
1131069105		1
1131069047		1

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Finalized Date: 24-APR-2018
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Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1131069087		0.49		0.008	<0.2	1.20	8	<10	20	<0.5	<2	0.41	<0.5	8	160	21
1128039007		0.46		0.179	1.0	0.45	34	<10	20	<0.5	<2	1.74	1.3	8	176	28
1129098288		0.54		0.448	1.1	1.41	105	<10	20	<0.5	<2	0.29	11.6	8	95	73
1129098339		0.48		0.763	1.8	1.06	81	<10	20	<0.5	2	0.18	9.9	7	174	56
1129053069		0.43		8.37	11.9	0.42	174	<10	30	<0.5	<2	1.86	6.5	6	192	48
1131069001		0.51		0.106	2.0	0.96	49	<10	30	<0.5	2	0.73	4.2	11	199	77
1129053179		0.52		0.178	0.6	2.04	31	<10	40	<0.5	<2	1.71	0.6	10	196	32
1129053008		0.52		1.115	2.7	0.54	320	<10	20	<0.5	2	0.28	25.5	7	156	126
1129053043		0.53		0.380	3.2	0.72	104	<10	50	<0.5	<2	0.71	15.7	6	105	75
1129053100		0.50		0.287	0.6	0.58	51	<10	60	<0.5	<2	2.45	1.9	9	167	33
1128039094		0.47		0.512	2.1	1.21	23	<10	30	<0.5	3	0.48	1.8	16	159	83
V829042		0.06		6.61	4.7	0.85	<2	<10	50	<0.5	<2	0.52	<0.5	7	10	38
1128039061		0.53		0.112	0.7	0.78	34	<10	30	<0.5	<2	2.10	0.8	8	196	36
1127021125		0.57		0.023	0.2	1.07	6	<10	30	<0.5	<2	1.42	<0.5	6	239	26
1129053111		0.53		0.229	0.9	1.01	73	<10	20	<0.5	2	0.17	16.1	6	200	53
1127021080		0.55		0.043	0.2	1.12	5	<10	50	<0.5	2	1.40	<0.5	7	226	39
1128039050		0.57		1.480	2.2	0.54	55	<10	10	<0.5	<2	1.96	3.4	9	165	87
1129053010		0.60		0.539	1.4	0.49	381	<10	20	<0.5	<2	0.79	18.0	6	121	95
1129053037		0.59		1.210	4.8	0.53	264	<10	20	<0.5	<2	0.19	25.0	6	152	146
1128039084		0.50	94.5	1.070	5.2	0.29	93	<10	20	<0.5	<2	2.09	2.5	8	143	106
1129053009		0.57		0.287	0.9	0.47	236	<10	20	<0.5	<2	0.48	13.4	7	169	55
1127021110		0.56		0.045	<0.2	1.03	6	<10	40	<0.5	<2	1.25	<0.5	7	233	25
1127021074		0.57		0.006	<0.2	1.08	4	<10	40	<0.5	<2	1.87	<0.5	6	69	29
1127021044		0.57		0.202	1.7	1.33	18	<10	90	<0.5	4	1.45	<0.5	14	92	103
1128039017		0.56		0.430	1.8	0.49	65	<10	20	<0.5	<2	2.05	0.9	8	50	50
1128039139		0.53		0.464	3.5	0.41	31	<10	30	<0.5	2	2.44	1.5	9	89	37
1127021039		0.50		0.027	0.3	0.97	6	<10	40	<0.5	<2	1.69	<0.5	7	99	38
V829043		0.06		0.418	4.5	0.73	<2	<10	50	<0.5	<2	0.36	<0.5	5	6	22
1128039044		0.44		0.125	2.3	0.39	24	<10	20	<0.5	<2	2.66	2.1	9	93	51
1127021136		0.57		0.023	<0.2	1.04	3	<10	30	<0.5	<2	1.47	<0.5	8	98	23
1128040002		0.45		0.048	0.5	1.14	39	<10	40	<0.5	<2	1.15	<0.5	7	65	17
1128040065		0.45		0.285	1.5	0.98	31	<10	30	<0.5	<2	1.46	0.5	7	44	31
1128040136		0.38		0.807	6.4	0.51	76	<10	20	<0.5	<2	1.37	3.1	8	81	152
1128040134		0.49		0.619	3.9	0.62	33	<10	20	<0.5	<2	1.24	0.5	10	71	29
1128040120		0.50		0.433	1.7	0.64	27	<10	20	<0.5	<2	0.73	<0.5	9	76	26
1128040154		0.63		0.620	14.7	0.49	61	<10	20	<0.5	6	1.86	6.1	9	92	138
1129057019		0.51		0.191	1.1	0.82	76	<10	20	<0.5	<2	1.96	2.3	7	63	38
1127021010		0.51		0.145	0.6	1.15	10	<10	70	<0.5	<2	1.16	<0.5	14	90	45
1128040017		0.46		0.447	4.5	0.50	77	<10	30	<0.5	<2	1.15	2.2	9	55	147
1127021009		0.47		0.015	0.2	1.15	6	<10	60	<0.5	<2	1.33	<0.5	9	115	27

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
1131069087		1.61	<10	<1	0.07	10	0.30	251	1	0.04	7	420	3	0.42	<2	<1
1128039007		2.02	<10	<1	0.13	10	0.94	969	1	0.01	11	380	70	1.98	<2	<1
1129098288		3.25	<10	<1	0.21	10	0.93	615	1	<0.01	10	430	20	2.25	<2	<1
1129098339		2.49	<10	1	0.29	20	0.72	512	1	<0.01	11	400	16	1.77	<2	<1
1129053069		1.86	<10	<1	0.20	10	0.68	1610	<1	<0.01	7	370	56	1.26	<2	<1
1131069001		4.93	<10	<1	0.10	10	0.62	366	3	0.03	23	530	21	4.15	<2	2
1129053179		2.37	<10	<1	0.19	20	1.00	688	1	0.11	17	630	31	1.17	<2	2
1129053008		3.99	<10	1	0.20	10	0.28	438	1	<0.01	9	390	211	4.14	2	<1
1129053043		1.96	<10	<1	0.32	10	0.37	528	1	<0.01	5	370	265	1.69	<2	<1
1129053100		1.80	<10	1	0.25	10	0.68	1270	1	<0.01	12	820	38	1.10	<2	2
1128039094		3.34	<10	<1	0.10	20	0.87	247	2	0.01	28	1700	52	3.01	3	2
V829042		1.67	<10	<1	0.17	10	0.35	180	20	0.13	10	560	10	0.08	<2	2
1128039061		2.02	<10	<1	0.12	10	0.72	413	1	0.03	10	380	37	1.80	<2	<1
1127021125		1.99	<10	<1	0.09	10	0.62	385	1	0.04	10	380	<2	0.35	<2	1
1129053111		2.38	<10	1	0.22	10	0.74	508	1	<0.01	9	300	30	1.60	<2	<1
1127021080		2.19	<10	<1	0.22	10	0.79	543	<1	0.03	8	390	<2	0.37	<2	1
1128039050		2.46	<10	<1	0.10	10	0.94	1160	1	0.01	13	380	496	2.23	3	<1
1129053010		3.17	<10	<1	0.17	10	0.40	1010	1	<0.01	8	370	80	3.18	<2	<1
1129053037		2.33	<10	<1	0.23	10	0.21	251	1	<0.01	7	390	611	2.47	<2	<1
1128039084		2.33	<10	<1	0.13	10	0.97	1330	1	0.01	12	410	419	2.43	10	<1
1129053009		2.63	<10	<1	0.19	10	0.31	659	1	<0.01	8	380	36	2.61	<2	<1
1127021110		2.05	<10	<1	0.11	10	0.58	302	1	0.04	10	380	<2	0.41	<2	1
1127021074		1.69	<10	<1	0.12	10	0.55	310	<1	0.05	8	390	<2	0.14	<2	1
1127021044		2.76	<10	<1	0.24	20	0.85	494	1	0.04	10	560	2	1.21	<2	2
1128039017		2.06	<10	<1	0.17	10	0.95	1510	1	0.01	11	430	94	1.95	<2	<1
1128039139		2.41	<10	<1	0.16	10	0.87	1530	1	0.01	13	410	94	2.50	3	<1
1127021039		1.74	<10	<1	0.13	10	0.54	324	1	0.05	10	380	2	0.22	<2	1
V829043		1.49	<10	<1	0.14	10	0.18	170	14	0.11	8	340	20	0.03	<2	1
1128039044		1.93	<10	<1	0.15	<10	1.17	1725	1	0.01	10	410	163	2.14	4	<1
1127021136		1.76	10	<1	0.10	10	0.57	230	1	0.05	9	380	<2	0.26	<2	1
1128040002		1.73	<10	<1	0.15	10	0.68	226	1	0.05	10	420	8	1.37	<2	<1
1128040065		1.74	<10	<1	0.14	10	0.79	719	1	0.04	10	410	32	1.77	<2	1
1128040136		1.97	<10	<1	0.17	10	0.69	857	1	0.02	11	430	371	2.21	12	<1
1128040134		1.97	<10	<1	0.12	10	0.70	710	1	0.02	12	460	18	2.12	2	<1
1128040120		1.78	<10	<1	0.13	10	0.44	604	1	0.03	12	410	13	1.93	<2	<1
1128040154		1.97	<10	1	0.16	<10	0.94	2240	2	0.01	11	400	500	2.32	13	<1
1129057019		1.83	<10	1	0.20	10	0.58	648	1	0.01	6	380	69	1.91	<2	<1
1127021010		2.13	10	<1	0.41	10	0.67	402	1	0.06	9	390	<2	0.74	<2	2
1128040017		2.26	<10	<1	0.18	10	0.54	805	1	0.02	13	470	190	2.55	4	<1
1127021009		1.81	10	<1	0.27	10	0.62	335	1	0.06	15	430	3	0.28	<2	2

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOR	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1131069087		40	<20	0.01	<10	<10	5	<10	59	0.09	0.43	7	8.1	-6	13.4	0.52
1128039007		22	<20	<0.01	<10	<10	3	<10	339	1.05	2.12	81	8.6	15	66.3	1.22
1129098288		7	<20	0.01	<10	<10	8	<10	2920	0.10	2.36	8	8.2	-66	73.8	0.11
1129098339		7	<20	0.01	<10	<10	5	<10	2410	0.04	1.94	7	8.3	-54	60.6	0.12
1129053069		64	<20	<0.01	<10	<10	2	<10	1630	0.98	1.28	71	8.7	31	40.0	1.78
1131069001		21	<20	0.04	<10	<10	22	<10	1380	0.23	4.45	22	7.9	-117	139.1	0.16
1129053179		64	<20	0.05	<10	<10	20	<10	194	0.33	1.31	36	8.5	-5	40.9	0.88
1129053008		9	<20	<0.01	<10	<10	3	<10	6240	0.13	4.52	13	7.8	-128	141.3	0.09
1129053043		57	<20	0.01	<10	<10	4	<10	3770	0.25	1.75	25	8.7	-30	54.7	0.46
1129053100		88	<20	0.01	<10	<10	10	<10	531	1.04	1.13	81	8.6	46	35.3	2.29
1128039094		15	<20	<0.01	<10	<10	15	<10	507	0.12	3.15	14	7.7	-84	98.4	0.14
V829042		21	<20	0.23	<10	<10	48	<10	34	0.02						
1128039061		45	<20	<0.01	<10	<10	3	<10	176	0.79	1.94	63	8.9	2	60.6	1.04
1127021125		25	<20	0.01	<10	<10	12	<10	44	0.46	0.35	42	9.2	31	10.9	3.84
1129053111		13	<20	0.01	<10	<10	5	<10	3750	0.06	1.60	8	8.3	-42	50.0	0.16
1127021080		31	<20	0.03	<10	<10	17	<10	56	0.53	0.34	46	9.1	35	10.6	4.33
1128039050		18	<20	<0.01	<10	<10	3	<10	862	1.09	2.38	81	8.8	7	74.4	1.09
1129053010		13	<20	<0.01	<10	<10	2	<10	4260	0.40	3.58	33	8.5	-79	111.9	0.29
1129053037		16	<20	<0.01	<10	<10	2	<10	6170	0.06	2.61	7	8.3	-75	81.6	0.09
1128039084		17	<20	<0.01	<10	<10	2	<10	647	1.22	2.62	100	8.9	18	81.9	1.22
1129053009		9	<20	<0.01	<10	<10	2	<10	3170	0.24	3.02	21	8.3	-73	94.4	0.22
1127021110		21	<20	0.02	<10	<10	19	<10	33	0.39	0.41	37	9.2	24	12.8	2.89
1127021074		38	<20	0.01	<10	<10	11	<10	35	0.63	0.13	51	9.3	47	4.1	12.55
1127021044		45	<20	0.03	<10	<10	17	<10	60	0.46	1.19	43	8.9	6	37.2	1.16
1128039017		21	<20	<0.01	<10	<10	2	<10	255	1.16	2.03	85	8.9	22	63.4	1.34
1128039139		23	<20	<0.01	<10	<10	2	<10	427	1.30	2.54	100	8.9	21	79.4	1.26
1127021039		28	<20	0.01	<10	<10	14	<10	33	0.60	0.22	51	9.2	44	6.9	7.42
V829043		19	<20	0.26	<10	<10	33	<10	39	0.01						
1128039044		26	<20	<0.01	<10	<10	2	<10	579	1.51	2.19	122	9.0	54	68.4	1.78
1127021136		24	<20	0.01	<10	<10	15	<10	32	0.46	0.27	42	9.4	34	8.4	4.98
1128040002		44	<20	<0.01	<10	<10	4	<10	98	0.36	1.37	32	8.9	-11	42.8	0.75
1128040065		29	<20	<0.01	<10	<10	4	<10	139	0.72	1.83	59	8.9	2	57.2	1.03
1128040136		19	<20	<0.01	<10	<10	3	<10	801	0.78	2.35	62	9.0	-11	73.4	0.84
1128040134		22	<20	<0.01	<10	<10	3	<10	124	0.66	2.23	52	8.6	-18	69.7	0.75
1128040120		16	<20	<0.01	<10	<10	3	<10	98	0.37	2.06	31	8.4	-33	64.4	0.48
1128040154		21	<20	<0.01	<10	<10	2	<10	1485	1.07	2.57	90	8.6	10	80.3	1.12
1129057019		13	<20	<0.01	<10	<10	4	<10	921	0.61	1.98	54	8.5	-8	61.9	0.87
1127021010		23	<20	0.06	<10	<10	20	10	57	0.35	0.77	36	9.3	12	24.1	1.50
1128040017		15	<20	<0.01	<10	<10	3	<10	530	0.62	2.61	50	8.6	-32	81.6	0.61
1127021009		32	<20	0.04	<10	<10	19	10	52	0.41	0.29	40	9.4	31	9.1	4.41

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1131069087		1
1128039007		2
1129098288		1
1129098339		1
1129053069		2
1131069001		2
1129053179		2
1129053008		1
1129053043		2
1129053100		2
1128039094		1
V829042		
1128039061		2
1127021125		2
1129053111		1
1127021080		2
1128039050		2
1129053010		2
1129053037		1
1128039084		3
1129053009		2
1127021110		2
1127021074		2
1127021044		2
1128039017		2
1128039139		3
1127021039		2
V829043		
1128039044		3
1127021136		2
1128040002		2
1128040065		2
1128040136		2
1128040134		2
1128040120		2
1128040154		3
1129057019		2
1127021010		2
1128040017		2
1127021009		2

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1128040052		0.50		0.428	4.8	0.68	67	<10	20	<0.5	<2	1.41	3.4	7	65	142
1128040077		0.50		0.311	1.5	0.69	27	<10	20	<0.5	<2	0.69	0.5	9	77	29
1128040032		0.67		0.212	4.8	0.82	49	<10	30	<0.5	<2	1.46	0.5	8	101	84
V829044		0.06		6.64	4.9	0.81	2	<10	50	<0.5	<2	0.50	<0.5	6	9	39
1129057051		0.41		0.330	0.3	1.03	21	<10	80	<0.5	<2	0.23	1.0	10	38	29
1127023119		0.54		0.014	0.5	1.15	21	<10	40	<0.5	<2	2.50	<0.5	8	78	13
1129057088		0.54		0.230	1.0	0.93	47	<10	20	<0.5	<2	2.07	0.9	6	71	31
1128040401		0.48		0.337	8.4	0.38	30	<10	30	<0.5	2	2.36	2.0	10	89	62
1129057120		0.53		0.038	0.4	1.16	11	<10	40	<0.5	<2	1.92	0.7	10	104	18
1128040089		0.49		0.441	6.2	0.42	66	<10	30	<0.5	<2	2.08	4.7	8	99	148
1129057060		0.52		0.167	0.4	0.55	53	<10	90	<0.5	<2	0.94	1.8	10	119	20
1128040090		0.57		0.437	5.8	0.41	63	<10	30	<0.5	<2	1.52	4.3	9	104	163
1129057103		0.56		0.911	1.2	0.47	80	<10	50	<0.5	<2	0.64	9.3	7	80	84
1129057169		0.47		0.246	1.4	0.94	50	<10	20	<0.5	2	2.02	1.3	8	79	47
1127024096		0.56		0.521	0.5	0.81	107	<10	30	<0.5	<2	1.43	<0.5	8	65	27
1127023041		0.49		0.060	0.5	1.45	25	<10	40	<0.5	<2	1.69	<0.5	9	102	15
1127021025		0.50		0.049	0.3	1.12	9	<10	60	<0.5	<2	1.36	<0.5	10	85	29
1127021101		0.46		0.019	<0.2	1.06	3	<10	40	<0.5	<2	1.57	<0.5	11	83	23
1127023068		0.57		0.009	0.4	1.19	22	<10	40	<0.5	<2	2.46	<0.5	6	66	8
1129057130		0.52		0.135	1.3	0.89	44	<10	20	<0.5	<2	1.52	1.1	7	75	25
1129057108		0.56		0.138	1.3	0.39	56	<10	30	<0.5	<2	1.85	1.4	8	92	28
1127024083		0.57		1.045	1.4	0.57	61	<10	30	<0.5	<2	0.99	2.4	12	64	84
V829045		0.06		0.200	1.4	0.81	2	<10	40	<0.5	<2	0.43	<0.5	10	11	54

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1128040052		1.67	<10	<1	0.14	10	0.69	1460	2	0.01	8	410	393	1.64	4	<1
1128040077		1.90	<10	<1	0.15	10	0.42	495	1	0.03	12	420	17	2.10	<2	<1
1128040032		1.83	<10	<1	0.13	10	0.84	1250	7	0.01	8	400	42	1.58	<2	<1
V829044		1.60	<10	<1	0.17	10	0.35	177	17	0.13	9	580	9	0.08	<2	2
1129057051		1.90	<10	<1	0.28	20	0.48	480	<1	0.01	11	590	7	1.29	<2	1
1127023119		1.65	<10	<1	0.16	10	0.80	395	1	0.04	14	470	11	1.16	<2	1
1129057088		1.68	<10	<1	0.19	10	0.66	885	1	0.01	6	370	173	1.51	2	<1
1128040401		2.33	<10	<1	0.18	<10	0.73	2060	1	0.01	10	410	241	2.76	9	<1
1129057120		2.18	<10	<1	0.16	10	0.55	476	1	0.04	10	470	10	0.59	<2	1
1128040089		2.05	<10	1	0.21	<10	0.60	1920	1	0.02	11	420	524	2.42	5	<1
1129057060		2.37	<10	<1	0.33	10	0.53	1725	1	<0.01	12	750	78	2.14	<2	1
1128040090		2.25	<10	1	0.19	<10	0.69	2210	1	0.01	10	420	507	2.64	5	<1
1129057103		2.04	<10	<1	0.26	10	0.30	1160	<1	<0.01	7	460	106	2.09	4	<1
1129057169		1.53	<10	<1	0.20	10	0.67	834	1	0.01	7	390	101	1.30	<2	<1
1127024096		2.46	<10	<1	0.17	10	0.66	961	<1	0.02	9	530	20	2.02	<2	1
1127023041		1.72	<10	<1	0.18	10	0.64	424	1	0.12	15	370	10	1.13	2	1
1127021025		1.98	10	<1	0.30	10	0.70	510	1	0.05	9	400	<2	0.53	<2	1
1127021101		1.66	10	<1	0.13	20	0.53	254	1	0.06	9	380	<2	0.18	<2	1
1127023068		1.50	<10	<1	0.16	10	0.74	349	1	0.07	8	360	12	1.11	<2	1
1129057130		1.66	<10	<1	0.20	20	0.60	664	1	0.01	7	400	36	1.43	<2	<1
1129057108		2.11	<10	<1	0.20	10	0.47	1185	1	0.01	8	420	167	2.21	<2	<1
1127024083		2.39	<10	<1	0.23	10	0.35	585	1	0.02	17	490	323	2.76	<2	<1
V829045		2.39	<10	<1	0.20	10	0.35	241	3	0.13	11	500	23	0.04	<2	2

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOR	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1128040052		20	<20	<0.01	<10	<10	3	<10	850	0.73	1.70	59	8.8	6	53.1	1.11
1128040077		18	<20	<0.01	<10	<10	3	<10	132	0.34	2.19	27	8.7	-41	68.4	0.39
1128040032		25	<20	<0.01	<10	<10	3	<10	157	0.77	1.54	61	8.8	13	48.1	1.27
V829044		20	<20	0.23	<10	<10	48	<10	32	0.02						
1129057051		11	<20	0.01	<10	<10	8	<10	428	0.06	1.26	9	8.6	-30	39.4	0.23
1127023119		57	<20	<0.01	<10	<10	10	<10	52	0.78	1.12	67	8.7	32	35.0	1.91
1129057088		19	<20	<0.01	<10	<10	4	<10	279	0.69	1.50	56	8.8	9	46.9	1.19
1128040401		20	<20	<0.01	<10	<10	2	<10	520	1.20	2.75	98	9.0	12	85.9	1.14
1129057120		28	<20	0.03	<10	<10	21	<10	219	0.62	0.62	53	9.0	34	19.4	2.74
1128040089		22	<20	<0.01	<10	<10	2	<10	1225	1.03	2.51	81	9.0	3	78.4	1.03
1129057060		26	<20	0.02	<10	<10	9	<10	550	0.55	2.22	42	8.7	-27	69.4	0.61
1128040090		17	<20	<0.01	<10	<10	2	<10	1045	0.90	2.76	71	8.9	-15	86.3	0.82
1129057103		58	<20	<0.01	<10	<10	3	<10	2430	0.36	2.22	28	8.7	-41	69.4	0.40
1129057169		17	<20	<0.01	<10	<10	5	10	367	0.68	1.29	57	8.7	17	40.3	1.41
1127024096		16	<20	<0.01	<10	<10	4	<10	121	0.72	2.15	56	8.6	-11	67.2	0.83
1127023041		64	<20	0.01	<10	<10	9	10	76	0.45	1.14	42	8.7	6	35.6	1.18
1127021025		29	<20	0.04	<10	<10	16	<10	42	0.50	0.51	45	9.2	29	15.9	2.82
1127021101		30	<20	0.01	<10	<10	16	10	24	0.49	0.15	45	9.4	40	4.7	9.60
1127023068		67	<20	<0.01	<10	<10	6	<10	55	0.75	1.08	65	9.0	31	33.8	1.93
1129057130		17	<20	<0.01	<10	<10	5	<10	369	0.51	1.40	41	8.5	-3	43.8	0.94
1129057108		18	<20	<0.01	<10	<10	2	<10	493	0.84	2.20	66	8.8	-3	68.8	0.96
1127024083		13	<20	<0.01	<10	<10	3	<10	562	0.44	2.72	37	8.6	-48	85.0	0.44
V829045		19	<20	0.38	<10	<10	57	<10	59	0.02						

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method Analyte Units LOR	OA-VOL08 FIZZ RAT Unity 1
1128040052		2
1128040077		1
1128040032		2
V829044		
1129057051		1
1127023119		2
1129057088		2
1128040401		3
1129057120		2
1128040089		2
1129057060		2
1128040090		2
1129057103		2
1129057169		2
1127024096		2
1127023041		2
1127021025		2
1127021101		2
1127023068		2
1129057130		2
1129057108		2
1127024083		2
V829045		

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

CERTIFICATE OF ANALYSIS TB18073654

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	C-IR07	ME-ICP41	OA-ELE07
	OA-VOL08	S-IR08		

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

CERTIFICATE TB18098363

Project: Mine Site Lab Pulps March

P.O. No.: 4500009909

This report is for 143 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 27-APR-2018.

The following have access to data associated with this certificate:

JOHN BLIGH	JASON PATTISON	TIM SCHWARTZ

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
ATTN: JASON PATTISON
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1127026174		0.50	85.3	0.032		0.4	1.43	14	<10	50	<0.5	<2	2.26	<0.5	6	95
1127025302		0.41		0.084		0.2	1.15	7	<10	40	<0.5	<2	0.98	<0.5	7	123
1128044051		0.50		1.680		1.0	0.56	107	<10	70	<0.5	<2	0.37	10.6	6	97
1127025301		0.41		0.117		0.3	1.15	9	<10	50	<0.5	2	1.63	<0.5	8	114
1127025342		0.55		0.141		0.2	1.08	7	<10	40	<0.5	<2	1.23	<0.5	10	109
1127025367		0.48		0.040		<0.2	1.16	5	<10	40	<0.5	2	1.63	<0.5	8	131
1126003068		0.46		0.108		1.1	3.68	17	<10	100	<0.5	3	3.27	1.2	42	98
1127024368		0.50		0.025		<0.2	1.08	3	<10	40	<0.5	<2	1.56	<0.5	6	112
1128045063		0.44		0.042		<0.2	1.01	5	<10	40	<0.5	<2	1.02	<0.5	6	161
1128045003		0.42		0.034		0.6	1.19	16	<10	50	<0.5	<2	1.78	1.0	6	107
1128045089		0.52		0.109		0.7	0.44	91	<10	60	<0.5	<2	1.38	1.6	11	88
1127025345		0.43		0.046		0.2	1.14	8	<10	60	<0.5	<2	1.60	<0.5	9	157
1128045020		0.50		0.047		0.9	0.60	62	<10	30	<0.5	<2	2.35	<0.5	6	100
1127026090		0.62		0.106		<0.2	1.06	9	<10	30	<0.5	<2	1.85	<0.5	11	107
1128045145		0.43		0.086		0.6	1.01	57	<10	30	<0.5	<2	1.78	<0.5	5	46
1130094001		0.48		0.163		1.1	0.90	41	<10	30	<0.5	<2	0.14	1.6	10	118
1128045010		0.62		0.082		0.3	1.90	7	10	40	<0.5	<2	1.55	0.7	16	119
1126003048		0.58		0.061		0.5	1.18	7	<10	60	<0.5	<2	1.47	<0.5	8	113
1130094016		0.38		0.202		0.4	1.58	35	<10	40	<0.5	<2	0.13	0.5	9	76
1128045071		0.53		0.306		0.2	1.01	43	10	30	<0.5	<2	1.36	<0.5	7	56
1126003026		0.50		0.012		<0.2	1.05	8	<10	50	<0.5	<2	1.47	<0.5	6	115
1128045096		0.53		1.440		1.9	0.94	48	<10	20	<0.5	<2	1.69	1.0	6	90
1128046120		0.55		0.220		2.7	1.15	24	<10	30	<0.5	<2	1.26	1.3	8	74
1128045017		0.48		0.225		2.3	0.85	77	<10	30	<0.5	<2	1.66	1.0	6	82
V829046		0.06		2.07		6.3	0.76	398	<10	40	<0.5	2	1.20	1.0	7	13
1127026053		0.50		0.025		0.2	1.72	23	<10	40	<0.5	<2	1.44	<0.5	6	128
1127026005		0.53		0.033		0.2	1.44	40	<10	40	<0.5	<2	1.36	<0.5	7	144
1127026004		0.48		0.067		<0.2	1.11	8	<10	50	<0.5	<2	1.04	<0.5	5	155
1127026068		0.45		0.198		0.8	0.92	31	<10	30	<0.5	<2	2.45	1.2	7	53
1127026021		0.48		0.314		0.5	0.72	34	<10	20	<0.5	<2	2.29	<0.5	7	203
1128042058		0.58		0.189		2.3	0.70	122	<10	20	<0.5	2	0.57	4.5	6	79
1128043410		0.50		0.358		0.9	0.93	437	<10	40	<0.5	<2	0.70	10.3	6	49
1128044002		0.47		1.270		2.5	0.79	147	<10	30	<0.5	<2	0.29	10.4	6	65
1128043317		0.56		0.506		1.2	0.88	75	<10	20	<0.5	<2	0.95	8.7	7	64
1127026006		0.49		0.018		0.2	1.60	27	<10	50	<0.5	<2	2.02	<0.5	6	71
1128043373		0.53		1.065		2.5	0.77	101	<10	30	<0.5	<2	1.65	19.7	6	67
1128043350		0.46		0.585		1.6	1.08	135	<10	40	<0.5	<2	0.92	17.2	6	53
1128041137		0.44		0.093		1.4	0.84	38	<10	40	<0.5	<2	0.54	0.5	7	103
1127026012		0.48		0.079		<0.2	1.84	32	<10	60	<0.5	<2	2.15	<0.5	11	121
1127026001		0.54		0.078		<0.2	1.11	6	<10	50	<0.5	<2	1.77	<0.5	8	134

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1127026174		18	1.72	<10	<1	0.17	20	0.68	380	<1	0.09	10	430	7	0.59	<2
1127025302		39	2.19	<10	<1	0.12	10	0.60	251	1	0.05	8	390	3	0.81	<2
1128044051		55	2.30	<10	<1	0.33	10	0.16	220	1	0.01	7	350	42	2.37	<2
1127025301		39	2.19	10	<1	0.14	10	0.58	248	1	0.06	9	360	4	0.77	<2
1127025342		21	2.19	<10	<1	0.12	10	0.60	242	1	0.05	10	350	2	0.72	<2
1127025367		29	2.19	10	<1	0.13	10	0.67	312	1	0.05	11	360	2	0.46	<2
1126003068		145	9.65	10	1	0.55	<10	1.38	1650	1	0.25	67	780	12	2.18	<2
1127024368		31	1.86	<10	<1	0.12	10	0.57	256	1	0.05	8	390	<2	0.27	<2
1128045063		21	1.62	<10	<1	0.18	20	0.50	321	1	0.05	5	460	14	0.15	<2
1128045003		55	1.95	<10	<1	0.21	10	0.70	488	2	0.05	9	390	20	0.66	<2
1128045089		17	1.56	<10	<1	0.28	10	0.45	1370	2	0.01	13	480	217	1.43	2
1127025345		24	2.20	10	<1	0.23	10	0.57	296	1	0.06	10	380	2	0.42	<2
1128045020		13	1.76	<10	<1	0.18	10	0.54	1345	<1	0.01	7	370	40	1.57	2
1127026090		13	2.17	<10	<1	0.08	10	0.70	269	1	0.05	10	390	2	1.05	<2
1128045145		14	1.53	<10	<1	0.28	10	0.54	881	<1	0.02	6	360	25	1.30	<2
1130094001		47	2.13	<10	<1	0.14	10	0.43	853	1	0.04	11	190	127	1.89	<2
1128045010		47	3.22	10	<1	0.16	10	0.83	562	2	0.09	25	540	10	0.49	<2
1126003048		36	1.84	<10	<1	0.20	10	0.66	411	1	0.07	12	440	4	0.52	<2
1130094016		33	2.05	<10	<1	0.14	20	1.03	398	1	0.04	10	220	34	1.46	<2
1128045071		14	1.66	<10	<1	0.21	20	0.65	655	<1	0.02	8	390	44	1.40	<2
1126003026		25	1.54	<10	<1	0.22	10	0.66	320	1	0.05	12	400	3	0.22	3
1128045096		46	1.64	<10	<1	0.21	10	0.66	861	1	0.02	8	380	255	1.40	<2
1128046120		42	2.00	<10	<1	0.18	10	0.49	521	1	0.04	11	430	23	2.06	<2
1128045017		44	1.86	<10	<1	0.21	10	0.52	955	1	0.02	7	370	282	1.74	2
V829046		283	4.15	<10	1	0.24	10	0.28	452	3	0.02	8	150	20	3.24	4
1127026053		24	1.50	10	<1	0.20	10	0.72	355	1	0.15	9	360	8	0.42	<2
1127026005		13	1.56	<10	<1	0.18	10	0.65	419	1	0.11	10	330	9	0.42	<2
1127026004		15	1.76	<10	<1	0.24	20	0.55	345	3	0.05	16	470	9	0.20	<2
1127026068		36	1.89	<10	1	0.24	10	1.01	1005	1	0.03	10	380	93	1.88	<2
1127026021		20	2.33	<10	<1	0.14	10	0.86	1030	2	0.02	13	360	38	2.27	<2
1128042058		58	2.62	<10	<1	0.21	20	0.36	324	<1	0.01	8	420	14	2.49	<2
1128043410		58	1.94	<10	<1	0.29	10	0.57	659	<1	0.01	7	340	58	1.57	3
1128044002		63	2.64	<10	<1	0.28	10	0.38	533	1	0.01	7	350	131	2.49	<2
1128043317		64	1.94	<10	<1	0.25	10	0.58	518	1	0.01	9	390	40	1.76	<2
1127026006		15	1.62	<10	<1	0.20	10	0.76	438	1	0.11	10	360	9	0.50	<2
1128043373		179	2.30	<10	<1	0.27	10	0.77	1330	<1	0.01	7	350	99	2.15	3
1128043350		74	2.78	<10	<1	0.35	20	0.57	491	1	0.01	8	370	41	2.38	2
1128041137		18	2.41	<10	<1	0.19	10	0.37	357	1	0.04	9	420	63	2.63	<2
1127026012		55	2.11	10	<1	0.16	20	1.25	724	1	0.07	32	620	11	0.94	<2
1127026001		30	1.98	<10	<1	0.12	10	0.62	285	<1	0.07	9	410	2	0.50	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3
1127026174		1	64	<20	<0.01	<10	<10	9	<10	53	0.66	0.58	59	9.0	41	18.1
1127025302		1	23	<20	<0.01	<10	<10	12	<10	34	0.31	0.82	31	9.1	5	25.6
1128044051		<1	44	<20	0.01	<10	<10	3	10	2510	0.11	2.55	13	8.6	-67	79.7
1127025301		1	26	<20	0.01	<10	<10	12	<10	31	0.49	0.75	47	9.3	24	23.4
1127025342		1	22	<20	0.01	<10	<10	15	<10	25	0.40	0.72	37	9.4	15	22.5
1127025367		1	27	<20	0.02	<10	<10	17	<10	36	0.52	0.46	48	9.4	34	14.4
1126003068		13	133	<20	0.17	<10	<10	262	<10	370	1.01	2.45	83	8.9	6	76.6
1127024368		1	26	<20	0.01	<10	<10	13	<10	28	0.49	0.27	44	9.5	36	8.4
1128045063		1	21	<20	0.03	<10	<10	13	<10	134	0.33	0.16	32	9.4	27	5.0
1128045003		1	25	<20	0.03	<10	<10	14	<10	277	0.54	0.66	50	9.2	29	20.6
1128045089		1	82	<20	0.01	<10	<10	4	<10	488	0.64	1.41	54	9.1	10	44.1
1127025345		1	34	<20	0.03	<10	<10	18	<10	28	0.52	0.44	47	9.3	33	13.8
1128045020		<1	26	<20	<0.01	<10	<10	2	<10	101	0.91	1.53	75	8.8	27	47.8
1127026090		1	40	<20	<0.01	<10	<10	12	<10	22	0.61	1.04	53	9.1	21	32.5
1128045145		<1	19	<20	<0.01	<10	<10	4	<10	71	0.55	1.26	52	9.1	13	39.4
1130094001		<1	14	<20	<0.01	<10	<10	4	<10	504	0.15	1.90	6	8.4	-53	59.4
1128045010		4	63	<20	0.08	<10	<10	62	<10	277	0.37	0.50	37	9.2	21	15.6
1126003048		1	37	<20	0.02	<10	<10	17	10	110	0.45	0.53	44	9.2	27	16.6
1130094016		<1	16	<20	<0.01	<10	<10	6	<10	237	0.08	1.43	6	8.6	-39	44.7
1128045071		<1	21	<20	<0.01	<10	<10	5	<10	100	0.38	1.39	38	8.8	-5	43.4
1126003026		1	31	<20	0.02	<10	<10	15	<10	53	0.46	0.24	44	9.5	37	7.5
1128045096		<1	16	<20	<0.01	<10	<10	4	<10	401	0.48	1.31	46	9.1	5	40.9
1128046120		<1	25	<20	<0.01	<10	<10	3	<10	317	0.29	2.08	32	8.6	-33	65.0
1128045017		<1	14	<20	<0.01	<10	<10	4	<10	335	0.51	1.74	36	9.0	-18	54.4
V829046		1	18	<20	0.01	<10	<10	6	<10	229	0.33					
1127026053		1	58	<20	0.02	<10	<10	12	<10	67	0.35	0.42	32	9.2	19	13.1
1127026005		1	46	<20	0.03	<10	<10	12	<10	67	0.40	0.44	33	9.2	19	13.8
1127026004		1	25	<20	0.05	<10	<10	14	<10	66	0.33	0.21	30	9.4	23	6.6
1127026068		1	32	<20	<0.01	<10	<10	4	<10	306	1.11	1.83	95	9.1	38	57.2
1127026021		<1	29	<20	<0.01	<10	<10	3	<10	95	1.10	2.34	81	8.8	8	73.1
1128042058		<1	8	<20	<0.01	<10	<10	3	<10	1110	0.17	2.34	17	8.6	-56	73.1
1128043410		<1	16	<20	<0.01	<10	<10	4	<10	2430	0.23	1.57	24	9.0	-25	49.1
1128044002		<1	11	<20	<0.01	<10	<10	3	<10	2480	0.12	2.44	14	8.6	-62	76.3
1128043317		<1	16	<20	<0.01	<10	<10	4	<10	2140	0.26	1.68	28	9.0	-25	52.5
1127026006		1	61	<20	0.01	<10	<10	10	<10	67	0.53	0.47	51	9.3	36	14.7
1128043373		<1	52	<20	<0.01	<10	<10	4	10	4980	0.72	2.16	62	8.9	-6	67.5
1128043350		<1	11	<20	0.01	<10	<10	5	10	4160	0.30	2.46	29	8.9	-48	76.9
1128041137		<1	24	<20	<0.01	<10	<10	4	<10	130	0.22	2.50	18	8.4	-60	78.1
1127026012		2	73	<20	0.06	<10	<10	24	<10	159	0.56	0.84	50	8.4	24	26.3
1127026001		1	49	<20	<0.01	<10	<10	12	<10	26	0.63	0.46	53	9.1	39	14.4

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method Analyte Units LOR	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1127026174		3.26	2
1127025302		1.21	2
1128044051		0.16	1
1127025301		2.01	2
1127025342		1.64	2
1127025367		3.34	2
1126003068		1.08	2
1127024368		5.21	2
1128045063		6.40	2
1128045003		2.42	2
1128045089		1.23	2
1127025345		3.42	2
1128045020		1.57	2
1127026090		1.63	2
1128045145		1.32	2
1130094001		0.10	1
1128045010		2.37	2
1126003048		2.66	2
1130094016		0.13	1
1128045071		0.87	2
1126003026		5.87	2
1128045096		1.12	2
1128046120		0.49	2
1128045017		0.66	2
V829046			
1127026053		2.44	2
1127026005		2.40	2
1127026004		4.57	2
1127026068		1.66	3
1127026021		1.11	2
1128042058		0.23	1
1128043410		0.49	2
1128044002		0.18	1
1128043317		0.53	2
1127026006		3.47	2
1128043373		0.92	2
1128043350		0.38	2
1128041137		0.23	1
1127026012		1.90	2
1127026001		3.69	2

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EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1128043354		0.54		0.343		1.1	1.20	115	<10	40	<0.5	<2	0.35	6.1	8	53
1127026106		0.44		0.353		0.2	1.43	38	<10	40	<0.5	<2	2.10	0.6	8	95
1128044001		0.53		0.407		1.2	0.62	305	<10	30	<0.5	<2	0.42	19.6	9	79
V829047		0.06		0.182		1.1	0.80	3	<10	40	<0.5	<2	0.40	<0.5	10	11
1127023037		0.55		0.010		<0.2	1.24	46	<10	50	<0.5	<2	1.70	<0.5	8	55
1127023023		0.54		0.180		<0.2	1.25	20	<10	40	<0.5	<2	1.28	<0.5	9	120
1127024027		0.53		0.268		<0.2	2.02	52	<10	40	<0.5	<2	1.10	<0.5	8	72
1129057140		0.53		1.050		1.5	0.36	86	<10	50	<0.5	2	0.50	15.8	7	152
1129056006		0.48		0.357		<0.2	1.44	100	<10	60	<0.5	<2	0.25	0.8	11	52
1127023004		0.52	86.1	0.082		<0.2	1.15	13	<10	40	<0.5	<2	1.67	<0.5	10	131
1129056030		0.51		0.538		<0.2	0.58	135	<10	60	<0.5	<2	0.15	22.6	10	77
1129056034		0.50		0.544		11.5	0.68	51	<10	40	<0.5	<2	1.12	17.3	10	57
1127024001		0.52		0.300		0.9	1.52	73	<10	60	<0.5	<2	2.13	0.7	8	39
1127024038		0.64		0.604		0.8	0.95	37	<10	30	<0.5	<2	1.95	3.3	7	51
1127035110		0.54		0.247		2.7	3.04	25	<10	10	<0.5	3	5.97	<0.5	46	430
1126002174		0.54		0.186		1.1	3.14	16	<10	90	<0.5	<2	2.52	1.3	42	99
1127035405		0.55		0.016		<0.2	1.06	11	<10	50	<0.5	<2	1.87	<0.5	6	89
1126002186		0.50		0.009		<0.2	2.86	17	<10	80	<0.5	<2	2.11	<0.5	22	93
1129055021		0.53		0.194		0.9	0.49	120	<10	20	<0.5	<2	1.19	9.0	7	79
1128043348		0.55		0.439		0.3	0.91	97	<10	20	<0.5	<2	0.65	1.5	8	69
1128042144		0.56		2.21		1.2	1.28	141	<10	30	<0.5	<2	0.87	3.8	8	71
1128042134		0.57		0.859		0.6	1.19	95	<10	20	<0.5	<2	0.40	2.1	8	88
V829048		0.06		6.73		4.9	0.84	<2	<10	50	<0.5	<2	0.55	<0.5	7	10
1128045023		0.53		0.093		0.3	0.46	59	<10	40	<0.5	<2	2.35	0.8	8	111
1128046168		0.58		0.478		1.4	0.88	45	<10	30	<0.5	<2	1.03	1.2	9	78
1127025350		0.48		0.122		0.5	1.07	6	<10	50	<0.5	<2	1.46	<0.5	9	154
1127025311		0.48		0.145		<0.2	1.00	3	<10	50	<0.5	<2	1.30	<0.5	8	161
1127025421		0.52		0.021		<0.2	0.97	5	<10	40	<0.5	<2	2.01	<0.5	7	99
1127025405		0.54		0.023		<0.2	1.09	3	<10	70	<0.5	<2	1.66	<0.5	9	131
1128046140		0.54		0.343		1.4	1.34	48	<10	40	<0.5	<2	2.04	2.5	8	49
1126003005		0.51		0.132		0.8	1.77	12	<10	50	<0.5	<2	2.21	<0.5	11	115
1126003032		0.54		0.008		<0.2	1.65	4	<10	40	<0.5	<2	1.71	<0.5	7	91
1127025304		0.50		0.137		0.5	1.10	7	<10	70	<0.5	<2	1.20	<0.5	7	134
1128048087		0.61		0.411		0.9	1.05	157	<10	20	<0.5	<2	0.46	2.6	9	111
1128048088		0.45		1.190		2.9	1.48	171	<10	30	<0.5	<2	0.39	0.6	10	88
1128048121		0.50		0.263		1.7	0.51	856	<10	30	<0.5	<2	0.86	16.3	6	87
1128046133		0.55		0.106		0.8	1.21	41	<10	30	<0.5	<2	2.09	0.6	8	153
1126003045		0.64		0.081		1.1	3.08	14	<10	30	<0.5	<2	3.48	0.9	34	90
1128048137		0.55		0.606		2.2	0.55	499	<10	20	<0.5	2	0.45	25.1	11	121
1126003079		0.56		0.227		1.2	3.13	5	<10	110	<0.5	2	2.94	1.1	41	91

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1128043354		57	2.20	<10	<1	0.31	10	0.67	366	1	0.01	10	480	27	1.79	<2
1127026106		38	1.87	<10	<1	0.16	10	0.75	528	1	0.07	8	460	30	1.65	<2
1128044001		78	3.08	<10	1	0.25	10	0.33	636	1	0.01	10	400	50	3.34	<2
V829047		53	2.40	<10	<1	0.19	10	0.34	245	4	0.13	10	530	21	0.04	<2
1127023037		12	1.53	<10	<1	0.18	10	0.70	276	<1	0.07	10	380	8	1.17	<2
1127023023		20	1.99	<10	<1	0.12	20	0.69	319	1	0.05	10	470	16	0.66	2
1127024027		27	2.17	<10	<1	0.18	20	0.68	521	1	0.09	9	580	27	1.54	<2
1129057140		149	2.16	<10	1	0.23	10	0.17	863	1	0.01	7	370	247	2.48	3
1129056006		34	2.10	<10	<1	0.21	20	0.70	511	<1	0.01	11	720	4	1.28	<2
1127023004		29	1.99	<10	<1	0.10	20	0.66	325	1	0.06	20	400	3	0.65	<2
1129056030		57	2.10	<10	<1	0.18	10	0.06	39	1	0.02	13	420	7	2.63	<2
1129056034		39	2.50	<10	1	0.24	10	0.19	546	1	0.02	14	370	24	3.08	<2
1127024001		39	2.05	<10	<1	0.22	20	0.74	616	<1	0.08	10	430	16	1.37	2
1127024038		32	2.04	<10	<1	0.18	10	0.59	669	<1	0.03	11	380	243	2.12	<2
1127035110		147	7.15	10	<1	0.06	<10	3.31	1340	1	0.01	179	170	5	1.79	4
1126002174		102	8.68	10	<1	0.32	<10	1.31	1095	1	0.14	58	770	9	2.07	2
1127035405		21	1.83	<10	<1	0.14	20	0.62	389	2	0.05	11	440	3	0.72	<2
1126002186		42	5.60	10	<1	0.27	10	1.11	698	<1	0.17	34	620	7	1.18	<2
1129055021		39	1.81	<10	<1	0.21	10	0.58	1210	1	0.01	8	410	65	1.77	2
1128043348		24	2.16	<10	<1	0.21	10	0.76	1730	1	0.02	10	460	18	1.58	<2
1128042144		35	2.44	<10	<1	0.21	10	0.77	477	1	0.02	11	440	45	1.95	<2
1128042134		28	2.43	<10	<1	0.20	10	0.81	428	1	0.01	11	440	24	1.80	<2
V829048		40	1.71	<10	<1	0.17	10	0.36	183	42	0.14	10	580	9	0.06	<2
1128045023		17	2.06	<10	<1	0.24	10	0.35	1100	1	0.01	8	390	24	2.05	2
1128046168		29	2.08	<10	<1	0.19	10	0.45	1090	1	0.03	13	460	59	1.93	<2
1127025350		59	2.21	<10	<1	0.11	10	0.60	268	1	0.06	9	380	2	0.83	<2
1127025311		29	1.92	10	<1	0.10	10	0.54	237	1	0.05	8	380	2	0.35	<2
1127025421		47	1.79	<10	<1	0.13	20	0.63	323	3	0.06	10	370	<2	0.28	<2
1127025405		31	2.07	10	<1	0.24	10	0.60	267	1	0.06	11	380	4	0.27	2
1128046140		59	1.85	<10	<1	0.20	10	1.00	1030	1	0.04	8	480	143	1.51	<2
1126003005		51	1.90	10	<1	0.19	10	0.65	585	1	0.14	12	410	6	0.59	<2
1126003032		13	1.74	<10	<1	0.16	20	0.69	384	1	0.11	10	540	6	0.07	<2
1127025304		24	2.21	10	<1	0.24	10	0.62	247	2	0.06	15	410	3	0.70	<2
1128048087		47	2.84	<10	<1	0.19	10	0.73	506	1	0.01	10	430	73	2.26	3
1128048088		193	3.34	<10	<1	0.27	10	1.01	522	<1	<0.01	12	400	23	2.38	3
1128048121		61	2.46	<10	<1	0.27	10	0.25	644	<1	0.01	8	410	59	2.57	<2
1128046133		31	1.82	<10	<1	0.14	10	1.03	1025	1	0.05	9	440	40	1.29	<2
1126003045		100	8.33	10	<1	0.17	10	1.46	1465	1	0.08	50	740	8	1.72	3
1128048137		120	4.64	<10	<1	0.22	10	0.26	423	1	0.01	12	390	106	4.97	<2
1126003079		156	8.37	10	<1	0.51	10	1.45	1260	1	0.14	60	800	3	1.36	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOR	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1128043354		<1	10	<20	<0.01	<10	<10	7	<10	1385	0.08	1.64	11	8.8	-40	51.3
1127026106		1	46	<20	<0.01	<10	<10	5	<10	159	0.60	1.57	55	8.8	6	49.1
1128044001		<1	10	<20	<0.01	<10	<10	3	10	4290	0.20	3.33	18	8.2	-86	104.1
V829047		2	18	<20	0.38	<10	<10	58	<10	61	0.02					
1127023037		1	52	<20	<0.01	<10	<10	6	<10	53	0.49	1.08	46	9.2	12	33.8
1127023023		1	26	<20	0.01	<10	<10	17	<10	70	0.37	0.59	36	9.1	18	18.4
1127024027		1	36	<20	0.01	<10	<10	7	<10	123	0.12	1.46	18	8.8	-28	45.6
1129057140		<1	39	<20	<0.01	<10	<10	2	<10	3960	0.26	2.37	21	8.8	-53	74.1
1129056006		1	26	<20	<0.01	<10	<10	8	<10	368	0.03	1.14	7	8.5	-29	35.6
1127023004		1	38	<20	<0.01	<10	<10	13	10	35	0.53	0.60	47	9.2	28	18.8
1129056030		<1	18	<20	<0.01	<10	<10	2	10	5100	0.03	2.48	4	7.4	-74	77.5
1129056034		<1	35	<20	<0.01	<10	<10	3	10	4100	0.37	2.96	32	8.6	-61	92.5
1127024001		1	47	<20	<0.01	<10	<10	7	<10	195	0.58	1.29	54	9.1	14	40.3
1127024038		<1	21	<20	<0.01	<10	<10	4	<10	743	0.57	2.09	53	9.0	-12	65.3
1127035110		13	90	<20	0.01	<10	<10	87	<10	128	2.64	1.71	237	8.4	184	53.4
1126002174		11	44	<20	0.15	<10	<10	216	10	445	0.55	2.13	56	8.7	-11	66.6
1127035405		1	37	<20	<0.01	<10	<10	13	10	31	0.57	0.72	51	9.2	29	22.5
1126002186		5	69	<20	0.09	<10	<10	120	<10	144	0.48	1.13	49	8.9	14	35.3
1129055021		<1	16	<20	<0.01	<10	<10	3	<10	2260	0.63	1.62	50	9.0	-1	50.6
1128043348		<1	13	<20	<0.01	<10	<10	4	<10	452	0.37	1.51	31	9.0	-16	47.2
1128042144		<1	14	<20	0.01	<10	<10	5	<10	853	0.20	1.91	23	8.8	-37	59.7
1128042134		<1	7	<20	<0.01	<10	<10	5	<10	491	0.09	1.72	12	8.8	-42	53.8
V829048		2	21	<20	0.25	<10	<10	50	<10	34	0.02					
1128045023		<1	19	<20	<0.01	<10	<10	2	<10	200	0.87	1.89	71	8.9	12	59.1
1128046168		<1	17	<20	<0.01	<10	<10	3	<10	302	0.31	1.75	29	8.7	-26	54.7
1127025350		1	30	<20	<0.01	<10	<10	12	<10	23	0.45	0.83	42	9.1	16	25.9
1127025311		1	29	<20	0.01	<10	<10	14	<10	27	0.42	0.38	38	9.4	26	11.9
1127025421		1	45	<20	<0.01	<10	<10	8	<10	28	0.78	0.29	62	9.3	53	9.1
1127025405		1	37	<20	0.04	<10	<10	19	<10	29	0.51	0.29	47	9.4	38	9.1
1128046140		<1	31	<20	<0.01	<10	<10	6	<10	631	0.65	1.38	60	9.1	17	43.1
1126003005		1	88	<20	0.02	<10	<10	14	10	160	0.53	0.51	52	9.2	36	15.9
1126003032		1	64	<20	0.01	<10	<10	12	10	75	0.44	0.09	42	9.3	39	2.8
1127025304		2	25	<20	0.04	<10	<10	20	<10	29	0.34	0.68	35	9.2	14	21.3
1128048087		<1	8	<20	0.01	<10	<10	5	<10	703	0.14	2.24	14	8.6	-56	70.0
1128048088		1	11	<20	0.01	<10	<10	6	<10	204	0.12	2.44	13	8.7	-63	76.3
1128048121		<1	16	<20	<0.01	<10	<10	2	<10	3950	0.37	2.42	29	8.3	-47	75.6
1128046133		1	42	<20	<0.01	<10	<10	5	10	179	0.70	1.25	60	8.5	21	39.1
1126003045		7	89	<20	0.09	<10	<10	146	<10	425	1.13	1.62	137	8.3	86	50.6
1128048137		<1	8	<20	<0.01	<10	<10	3	<10	5910	0.21	5.38	15	8.0	-153	168.1
1126003079		11	70	<20	0.17	<10	<10	174	10	314	0.68	1.34	63	8.6	21	41.9

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method Analyte Units LOR	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1128043354		0.21	1
1127026106		1.12	2
1128044001		0.17	1
V829047			
1127023037		1.36	2
1127023023		1.95	2
1127024027		0.39	1
1129057140		0.28	1
1129056006		0.20	1
1127023004		2.51	2
1129056030		0.05	1
1129056034		0.35	2
1127024001		1.34	2
1127024038		0.81	2
1127035110		4.44	3
1126002174		0.84	2
1127035405		2.27	2
1126002186		1.39	2
1129055021		0.99	2
1128043348		0.66	2
1128042144		0.39	2
1128042134		0.22	1
V829048			
1128045023		1.20	2
1128046168		0.53	2
1127025350		1.62	2
1127025311		3.20	2
1127025421		6.84	2
1127025405		5.19	2
1128046140		1.39	2
1126003005		3.26	2
1126003032		14.93	2
1127025304		1.65	2
1128048087		0.20	1
1128048088		0.17	1
1128048121		0.38	2
1128046133		1.54	2
1126003045		2.71	3
1128048137		0.09	1
1126003079		1.50	2

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EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
V829049		0.06		0.189		1.4	0.82	2	<10	40	<0.5	<2	0.44	<0.5	9	11
1128042101		0.44		2.15		0.8	1.11	106	<10	30	<0.5	<2	0.92	<0.5	7	104
1128042205		0.51		0.751		1.3	1.02	48	<10	30	<0.5	<2	1.29	3.2	9	67
1128042175		0.41		0.597		1.4	1.47	72	<10	30	<0.5	<2	2.49	2.5	8	64
1128042084		0.49		0.587		2.0	0.55	73	<10	30	<0.5	<2	2.52	1.6	8	90
1128042075		0.52		0.515		1.5	0.63	54	<10	30	<0.5	<2	2.68	2.2	8	112
1128043494		0.49		0.245		1.2	0.92	147	<10	20	<0.5	<2	0.67	4.1	8	113
1128042220		0.52		1.405		1.4	0.62	67	<10	30	<0.5	<2	2.27	2.3	8	105
1128043433		0.54		0.274		1.2	0.75	147	<10	30	<0.5	<2	0.41	3.5	9	81
1128042035		0.50		0.400		1.2	1.33	111	<10	30	<0.5	<2	0.55	<0.5	9	122
1128044057		0.49		2.88		4.1	0.56	193	<10	70	<0.5	2	0.41	16.3	20	87
1128042065		0.61		0.544		1.7	1.39	80	<10	30	<0.5	<2	0.30	<0.5	9	59
1128043485		0.52		0.523		1.3	1.11	76	<10	30	<0.5	<2	1.00	10.5	5	43
1128043465		0.46		1.225		2.7	0.92	119	<10	20	<0.5	<2	0.86	11.4	7	79
1128043429		0.47		0.283		1.3	0.67	152	<10	30	<0.5	<2	2.16	4.7	9	74
1128042050		0.49		0.802		1.0	1.52	87	<10	40	<0.5	<2	0.46	0.6	8	65
1128044119		0.45		0.497		0.9	0.87	120	<10	60	<0.5	<2	0.99	7.5	6	84
1128043454		0.57		0.181		0.5	0.77	67	<10	30	<0.5	<2	1.09	3.8	7	41
1128043416		0.45		0.290		0.9	1.31	53	<10	40	<0.5	<2	1.40	15.8	6	63
1128042057		0.52	86.2	0.931		2.2	0.88	145	<10	30	<0.5	<2	0.34	11.6	8	68
1128043423		0.52		0.364		1.3	1.19	135	<10	40	<0.5	<2	0.25	8.8	6	67
V829050		0.06		1.850		7.0	0.83	423	<10	50	<0.5	3	1.28	1.2	7	14
1126003120		0.54		0.135		0.6	2.47	47	<10	50	<0.5	<2	1.64	<0.5	10	86
1126003139		0.62		0.005		<0.2	1.73	5	<10	150	<0.5	<2	2.28	<0.5	13	92
1128047085		0.49		1.255		0.6	1.70	125	<10	30	<0.5	<2	0.14	2.5	10	84
1128047069		0.61		0.657		1.3	1.19	59	<10	20	<0.5	<2	0.73	6.7	8	71
1128047088		0.50		>10.0	20.8	5.9	1.56	82	<10	40	<0.5	2	0.16	2.1	11	90
1127031151		0.59		0.951		2.7	0.58	84	<10	30	<0.5	<2	1.79	4.1	7	110
1128047120		0.57		0.251		0.9	0.72	58	<10	30	<0.5	<2	1.86	2.5	8	76
1128047167		0.53		0.288		0.7	0.73	99	<10	30	<0.5	<2	1.54	2.7	8	84
1127031118		0.56		0.740		2.6	0.59	229	<10	30	<0.5	<2	0.26	0.9	9	111
1128046101		0.51		0.180		2.4	0.87	53	<10	40	<0.5	<2	1.39	1.0	8	87
1128048080		0.49		0.755		1.2	0.89	97	<10	20	<0.5	2	1.42	13.0	7	105
1128048042		0.42		0.553		0.7	0.79	200	<10	20	<0.5	<2	0.95	16.0	8	147
1127033007		0.34		1.840		1.3	0.79	54	<10	30	<0.5	<2	2.93	1.6	8	103
1128047044		0.44		0.310		1.1	1.17	71	<10	20	<0.5	<2	0.33	3.7	10	97
1128048052		0.55		0.115		1.3	0.47	91	<10	20	<0.5	<2	0.54	5.6	8	136
1127031133		0.49		0.466		1.0	1.45	51	<10	20	<0.5	<2	0.81	13.3	7	108
1128048112		0.55		0.404		1.3	0.36	150	<10	60	<0.5	<2	1.38	10.2	7	103
1127030089		0.55		1.300		1.5	0.91	47	<10	30	<0.5	2	2.44	8.2	8	128

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
V829049		50	2.51	<10	<1	0.20	10	0.36	238	4	0.14	11	510	18	0.04	<2
1128042101		12	2.10	<10	1	0.22	10	0.77	572	<1	0.02	10	410	26	1.41	<2
1128042205		61	2.15	<10	<1	0.23	10	0.67	863	1	0.04	12	440	57	1.99	2
1128042175		40	2.01	<10	<1	0.28	10	1.00	1170	1	0.02	11	430	61	1.29	<2
1128042084		54	1.95	<10	<1	0.22	10	0.95	1470	<1	0.02	11	450	125	1.51	2
1128042075		51	2.06	<10	<1	0.25	10	0.82	1415	1	0.02	11	440	136	1.73	<2
1128043494		42	2.60	<10	<1	0.25	10	0.57	426	1	0.01	12	420	42	2.28	<2
1128042220		42	2.33	<10	<1	0.23	10	0.94	1505	1	0.02	12	450	170	2.02	<2
1128043433		33	2.38	<10	<1	0.29	10	0.35	457	1	0.02	13	510	12	2.38	<2
1128042035		33	2.63	<10	<1	0.22	10	0.94	541	1	0.01	11	450	42	1.62	<2
1128044057		53	4.62	<10	1	0.36	10	0.13	363	2	0.01	10	330	89	5.13	<2
1128042065		43	2.70	<10	<1	0.26	10	0.91	446	1	0.01	12	430	23	1.67	<2
1128043485		45	2.10	<10	1	0.39	10	0.87	719	1	0.01	7	380	41	1.67	<2
1128043465		94	2.48	<10	1	0.31	20	0.65	846	1	0.01	11	450	22	2.24	<2
1128043429		63	2.24	<10	<1	0.29	10	0.74	1070	<1	0.01	13	420	21	1.85	<2
1128042050		43	2.55	<10	<1	0.30	10	0.93	517	<1	0.02	11	420	25	1.46	<2
1128044119		34	2.05	<10	<1	0.40	10	0.55	971	1	0.01	8	310	64	1.58	<2
1128043454		19	1.91	<10	<1	0.30	10	0.68	1210	1	0.01	8	390	45	1.47	<2
1128043416		72	2.09	<10	<1	0.37	10	0.99	1125	<1	0.01	8	390	60	1.11	<2
1128042057		92	2.84	<10	<1	0.25	10	0.47	277	1	0.01	12	500	27	2.69	<2
1128043423		35	2.17	<10	<1	0.40	10	0.76	527	<1	<0.01	7	400	32	1.57	<2
V829050		299	4.48	<10	1	0.27	20	0.31	483	3	0.01	10	170	22	3.49	<2
1126003120		29	2.23	<10	<1	0.21	20	0.91	665	1	0.10	12	580	43	0.94	3
1126003139		9	2.60	10	1	0.48	20	1.14	517	1	0.09	25	730	7	0.17	3
1128047085		52	2.90	<10	<1	0.20	10	1.29	604	1	0.01	15	390	14	1.63	<2
1128047069		141	2.06	<10	1	0.16	10	0.59	425	1	0.03	11	420	70	2.03	3
1128047088		391	2.70	<10	<1	0.21	10	1.14	698	<1	0.01	20	450	14	1.58	<2
1127031151		56	2.41	<10	<1	0.22	10	0.58	1485	1	0.01	8	400	76	2.27	<2
1128047120		55	2.01	<10	<1	0.24	10	0.88	1425	<1	0.02	10	410	50	1.66	2
1128047167		33	2.02	<10	<1	0.25	10	0.69	1385	1	0.02	10	430	26	1.71	2
1127031118		93	3.94	<10	<1	0.23	10	0.20	166	1	0.01	12	400	57	4.09	3
1128046101		30	2.14	<10	<1	0.21	10	0.58	956	<1	0.05	10	410	59	2.09	<2
1128048080		90	2.61	<10	1	0.24	10	0.71	1245	1	0.01	9	380	114	2.32	<2
1128048042		71	2.70	<10	1	0.23	10	0.50	662	1	0.01	8	400	8	2.45	<2
1127033007		55	1.90	<10	1	0.22	10	1.01	1745	<1	0.02	12	410	205	1.32	<2
1128047044		64	2.29	<10	<1	0.18	10	0.76	633	<1	0.01	13	430	65	1.86	<2
1128048052		48	1.83	<10	<1	0.20	10	0.29	656	<1	0.01	10	400	48	1.78	2
1127031133		39	2.42	<10	<1	0.23	10	0.75	449	<1	0.04	8	400	23	1.90	<2
1128048112		54	2.10	<10	<1	0.22	10	0.20	652	<1	0.01	8	390	785	2.26	3
1127030089		86	2.13	<10	<1	0.22	10	0.70	1395	<1	0.02	11	410	33	1.90	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3
V829049		2	19	<20	0.38	<10	<10	56	<10	61	0.04					
1128042101		<1	9	<20	<0.01	<10	<10	5	<10	164	0.29	1.34	28	8.7	-14	41.9
1128042205		<1	23	<20	<0.01	<10	<10	4	<10	701	0.50	2.02	42	8.7	-21	63.1
1128042175		1	22	<20	<0.01	<10	<10	6	<10	576	0.78	1.18	67	8.8	30	36.9
1128042084		<1	23	<20	<0.01	<10	<10	2	<10	355	1.25	1.44	96	9.0	51	45.0
1128042075		1	27	<20	<0.01	<10	<10	3	<10	502	1.24	1.65	98	9.0	46	51.6
1128043494		<1	12	<20	<0.01	<10	<10	5	<10	964	0.21	2.23	20	8.6	-50	69.7
1128042220		1	31	<20	<0.01	<10	<10	3	<10	588	1.15	1.93	84	9.0	24	60.3
1128043433		<1	12	<20	<0.01	<10	<10	4	<10	934	0.13	2.25	14	8.7	-56	70.3
1128042035		1	10	<20	0.02	<10	<10	6	<10	105	0.14	1.50	14	8.6	-33	46.9
1128044057		<1	44	<20	<0.01	<10	<10	3	110	3900	0.16	5.13	14	8.2	-146	160.3
1128042065		1	7	<20	<0.01	<10	<10	5	<10	104	0.09	1.65	11	8.8	-41	51.6
1128043485		<1	26	<20	0.01	<10	<10	5	<10	2760	0.36	1.66	35	9.0	-17	51.9
1128043465		<1	16	<20	<0.01	<10	<10	4	<10	2610	0.38	2.18	33	8.5	-35	68.1
1128043429		1	22	<20	<0.01	<10	<10	4	<10	1145	0.99	1.76	75	9.0	20	55.0
1128042050		1	8	<20	<0.01	<10	<10	6	<10	187	0.20	1.32	16	9.0	-25	41.3
1128044119		<1	88	<20	0.01	<10	<10	4	<10	1825	0.43	1.56	36	9.1	-13	48.8
1128043454		<1	45	<20	<0.01	<10	<10	4	<10	985	0.56	1.40	43	9.1	-1	43.8
1128043416		1	41	<20	0.01	<10	<10	6	<10	3530	0.54	1.06	48	9.1	15	33.1
1128042057		<1	7	<20	<0.01	<10	<10	4	<10	2470	0.10	2.68	11	8.3	-73	83.8
1128043423		<1	8	<20	0.01	<10	<10	6	<10	2120	0.06	1.50	11	8.9	-36	46.9
V829050		2	19	<20	0.01	<10	<10	7	<10	244	0.38					
1126003120		1	59	<20	0.04	10	<10	15	10	119	0.23	0.84	30	8.8	4	26.3
1126003139		3	114	<20	0.08	<10	<10	51	<10	95	0.69	0.14	63	9.4	59	4.4
1128047085		1	8	<20	<0.01	<10	<10	7	<10	638	0.05	1.61	8	8.6	-42	50.3
1128047069		<1	18	<20	<0.01	<10	<10	5	<10	1395	0.18	2.00	17	8.2	-46	62.5
1128047088		1	13	<20	<0.01	<10	<10	10	<10	534	0.06	1.60	9	8.5	-41	50.0
1127031151		<1	17	<20	<0.01	<10	<10	3	<10	1095	0.80	2.20	65	8.8	-4	68.8
1128047120		1	26	<20	<0.01	<10	<10	3	<10	645	0.95	1.54	72	8.9	24	48.1
1128047167		1	20	<20	<0.01	<10	<10	3	<10	752	0.74	1.58	58	8.8	9	49.4
1127031118		<1	6	<20	<0.01	<10	<10	3	<10	216	0.05	4.05	8	7.9	-119	126.6
1128046101		<1	47	<20	<0.01	<10	<10	4	<10	253	0.50	2.06	45	8.9	-19	64.4
1128048080		<1	14	<20	<0.01	<10	<10	4	<10	3070	0.55	2.28	47	8.5	-24	71.3
1128048042		<1	10	<20	<0.01	<10	<10	4	<10	4170	0.39	2.37	31	8.3	-43	74.1
1127033007		1	22	<20	<0.01	<10	<10	3	<10	425	1.29	1.27	107	8.9	67	39.7
1128047044		<1	23	<20	0.01	<10	<10	5	<10	907	0.05	1.78	6	7.8	-50	55.6
1128048052		<1	7	<20	<0.01	<10	<10	2	<10	1460	0.26	1.75	20	8.6	-35	54.7
1127031133		<1	26	<20	0.01	<10	<10	5	<10	3380	0.13	1.83	19	8.5	-38	57.2
1128048112		<1	28	<20	<0.01	<10	<10	2	<10	2640	0.50	2.09	41	8.6	-24	65.3
1127030089		<1	24	<20	<0.01	<10	<10	3	<10	1920	0.78	1.89	69	8.6	10	59.1

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method Analyte Units LOR	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
V829049			
1128042101		0.67	2
1128042205		0.67	2
1128042175		1.82	2
1128042084		2.13	3
1128042075		1.90	3
1128043494		0.29	2
1128042220		1.39	2
1128043433		0.20	1
1128042035		0.30	1
1128044057		0.09	1
1128042065		0.21	1
1128043485		0.67	2
1128043465		0.48	2
1128043429		1.36	2
1128042050		0.39	1
1128044119		0.74	2
1128043454		0.98	2
1128043416		1.45	2
1128042057		0.13	1
1128043423		0.23	1
V829050			
1126003120		1.14	2
1126003139		14.40	2
1128047085		0.16	1
1128047069		0.27	1
1128047088		0.18	1
1127031151		0.95	2
1128047120		1.50	2
1128047167		1.17	2
1127031118		0.06	1
1128046101		0.70	2
1128048080		0.66	2
1128048042		0.42	2
1127033007		2.70	3
1128047044		0.11	1
1128048052		0.37	1
1127031133		0.33	1
1128048112		0.63	2
1127030089		1.17	2

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EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1128047015		0.43		0.120		0.9	1.04	62	<10	20	<0.5	<2	0.24	9.2	9	135
V829051		0.06		6.60		5.0	0.82	<2	<10	50	<0.5	<2	0.54	<0.5	7	10
1127031178		0.39		0.479		1.4	1.04	62	<10	30	<0.5	<2	1.50	4.7	7	104
1127033011		0.53		0.587		0.7	0.89	46	<10	30	<0.5	<2	2.41	0.8	8	103
1128048069		0.53		1.370		0.9	0.53	100	<10	30	<0.5	<2	1.62	5.5	7	125
1127031088		0.40		0.579		0.9	1.15	82	<10	30	<0.5	2	0.42	<0.5	8	134
1128041031		0.53		0.388		9.7	0.69	29	<10	30	<0.5	<2	1.43	9.0	9	102
1128041016		0.52		0.169		3.6	0.88	29	<10	40	<0.5	<2	1.42	3.8	6	61
1128041036		0.51		0.289		2.3	1.08	35	<10	20	<0.5	<2	1.19	<0.5	9	67
1130101131		0.51		0.007		0.2	1.32	7	<10	60	<0.5	<2	2.54	<0.5	9	101
1127030010		0.43		0.737		1.4	0.68	62	<10	30	<0.5	<2	2.47	6.2	9	135
1128048058		0.43		1.075		1.8	0.42	123	<10	40	<0.5	<2	0.49	7.8	7	181
1127031097		0.57		0.334		2.1	0.75	111	<10	40	<0.5	2	0.32	0.7	7	134
1128047030		0.51		0.304		1.1	1.60	53	<10	30	<0.5	2	0.26	2.2	10	130
1127030042		0.47		0.951		1.4	1.26	99	<10	30	<0.5	2	1.35	2.9	8	165
V829052		0.06		6.63		5.2	0.83	<2	<10	50	<0.5	<2	0.54	<0.5	7	10
1127021025		Not Recvd														
1127021101		Not Recvd														
1127023068		Not Recvd														
1129057130		Not Recvd														
1129057108		Not Recvd														
1127024083		Not Recvd														
V829045		Not Recvd														

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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1128047015		76	2.33	<10	1	0.17	10	0.69	510	<1	0.01	12	470	67	2.07	<2
V829051		40	1.76	<10	<1	0.18	10	0.37	190	14	0.13	11	580	9	0.07	<2
1127031178		48	1.72	<10	<1	0.26	10	0.76	789	1	0.01	9	390	107	1.27	4
1127033011		29	1.84	<10	<1	0.19	10	0.79	1260	<1	0.02	11	410	85	1.38	2
1128048069		41	2.04	<10	<1	0.20	10	0.26	551	<1	0.01	7	420	60	1.96	<2
1127031088		21	2.27	<10	<1	0.27	10	0.73	411	<1	0.01	11	420	21	1.40	<2
1128041031		120	2.51	<10	1	0.21	10	0.72	1035	1	0.03	12	410	181	2.68	3
1128041016		45	1.58	<10	<1	0.25	10	0.84	1240	1	0.03	10	420	110	1.57	2
1128041036		35	2.54	<10	<1	0.16	<10	0.66	1075	<1	0.03	10	380	14	2.60	2
1130101131		8	2.07	<10	<1	0.21	20	0.88	499	<1	0.05	18	470	3	0.41	2
1127030010		47	2.52	<10	1	0.24	10	0.95	1955	1	0.01	13	390	97	2.06	2
1128048058		83	2.36	<10	1	0.21	10	0.11	237	<1	0.01	10	360	42	2.52	3
1127031097		39	2.67	<10	<1	0.24	10	0.39	292	<1	0.01	11	430	26	2.34	<2
1128047030		28	2.75	<10	<1	0.18	10	1.30	651	1	0.01	13	450	56	1.92	<2
1127030042		84	3.19	<10	<1	0.23	10	0.72	945	<1	0.02	12	410	31	2.58	2
V829052		40	1.76	<10	<1	0.17	10	0.37	188	21	0.14	11	570	8	0.07	<2
1127021025																
1127021101																
1127023068																
1129057130																
1129057108																
1127024083																
V829045																

***** See Appendix Page for comments regarding this certificate *****

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OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOR	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1128047015		<1	26	<20	<0.01	<10	<10	4	<10	2130	0.03	2.02	8	7.7	-55	63.1
V829051		2	21	<20	0.24	<10	<10	49	<10	36	0.02					
1127031178		<1	23	<20	<0.01	<10	<10	4	<10	1250	0.44	1.18	45	8.8	8	36.9
1127033011		<1	22	<20	<0.01	<10	<10	3	<10	231	0.89	1.29	75	9.0	35	40.3
1128048069		<1	14	<20	<0.01	<10	<10	3	<10	1465	0.47	1.78	43	8.6	-13	55.6
1127031088		<1	8	<20	0.01	<10	<10	5	<10	102	0.09	1.30	15	8.7	-26	40.6
1128041031		<1	22	<20	<0.01	<10	<10	3	<10	2430	0.70	2.60	60	9.0	-21	81.3
1128041016		<1	22	<20	<0.01	<10	<10	4	<10	1065	0.69	1.43	59	9.2	14	44.7
1128041036		<1	22	<20	<0.01	<10	<10	4	<10	114	0.48	2.47	43	8.9	-34	77.2
1130101131		1	43	<20	0.01	<10	<10	12	<10	72	0.88	0.39	72	9.1	60	12.2
1127030010		<1	19	<20	<0.01	<10	<10	3	<10	1615	1.17	2.07	95	8.8	30	64.7
1128048058		<1	9	<20	<0.01	<10	<10	2	<10	2100	0.16	2.40	14	8.3	-61	75.0
1127031097		<1	6	<20	<0.01	<10	<10	4	<10	179	0.07	2.25	12	8.3	-58	70.3
1128047030		1	18	<20	0.02	<10	<10	7	<10	659	0.03	1.85	11	8.2	-47	57.8
1127030042		<1	18	<20	<0.01	<10	<10	5	<10	752	0.37	2.56	38	8.6	-42	80.0
V829052		2	21	<20	0.24	<10	<10	49	<10	35	0.03					
1127021025																
1127021101																
1127023068																
1129057130																
1129057108																
1127024083																
V829045																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method Analyte Units LOR	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1128047015		0.13	1
V829051			
1127031178		1.22	2
1127033011		1.86	2
1128048069		0.77	2
1127031088		0.37	1
1128041031		0.74	2
1128041016		1.32	2
1128041036		0.56	2
1130101131		5.91	2
1127030010		1.47	3
1128048058		0.19	1
1127031097		0.17	1
1128047030		0.19	1
1127030042		0.48	2
V829052			
1127021025			
1127021101			
1127023068			
1129057130			
1129057108			
1127024083			
V829045			

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

CERTIFICATE OF ANALYSIS TB18098363

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

CERTIFICATE TB18114640

Project: Mine Site Lab Pulps April 2018

P.O. No.: 4500009909

This report is for 219 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 17-MAY-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1126001124		0.54	91.3	0.026	0.2	1.28	6	<10	110	<0.5	<2	1.73	<0.5	10	149	17
1126001005		0.43		0.242	2.4	4.49	41	<10	100	<0.5	<2	3.33	1.7	50	97	101
1131072075		0.47		0.095	0.7	1.17	106	<10	20	<0.5	<2	0.25	<0.5	10	135	36
1127027014		0.39		0.253	1.1	0.64	37	<10	20	<0.5	<2	1.03	0.9	9	115	45
1128041006		0.46		0.133	2.4	1.00	18	<10	30	<0.5	<2	0.73	<0.5	10	71	27
1127027015		0.40		0.323	1.9	0.70	26	<10	20	<0.5	<2	1.42	0.7	8	110	25
1127030071		0.49		0.814	1.1	0.44	38	<10	20	<0.5	2	2.19	4.7	7	160	87
1128041108		0.49		0.258	2.4	0.84	29	<10	30	<0.5	2	1.80	2.4	7	83	41
1128047058		0.52		0.183	1.9	2.12	18	<10	30	<0.5	<2	1.48	0.7	7	95	25
1131072046		0.46		0.075	1.3	0.87	30	<10	30	<0.5	<2	0.56	<0.5	10	135	29
1128046038		0.44		0.060	1.1	0.86	20	<10	50	<0.5	2	2.31	0.8	9	121	21
1127030050		0.49		0.523	0.8	0.83	126	<10	30	<0.5	<2	1.35	2.9	9	162	32
1127030016		0.39		0.795	1.5	1.29	63	<10	30	<0.5	<2	1.63	6.0	8	127	61
1130101009		0.52		0.016	<0.2	1.75	9	<10	70	<0.5	<2	2.43	<0.5	14	136	24
1127027205		0.42		0.058	0.8	1.01	24	<10	40	<0.5	4	1.73	<0.5	7	134	41
1127030101		0.51		0.628	1.0	1.21	68	<10	30	<0.5	<2	0.34	<0.5	8	141	46
1127030134		0.40		0.633	1.7	1.11	39	<10	30	<0.5	<2	2.30	12.3	8	118	102
1127030129		0.45		0.826	1.7	0.66	40	<10	30	<0.5	2	1.98	2.9	7	139	119
1130101067		0.46		0.025	0.5	1.83	8	<10	70	<0.5	<2	2.76	0.6	16	131	188
1127027187		0.38		0.061	0.4	1.24	28	<10	40	<0.5	<2	1.91	<0.5	7	149	24
1127027010		0.37		0.134	0.5	1.06	32	<10	40	<0.5	2	1.97	<0.5	7	141	23
V829061		0.06		1.875	6.7	0.82	406	<10	50	<0.5	3	1.24	1.0	7	13	295
1131072036		0.49		0.040	0.8	0.40	20	<10	20	<0.5	<2	0.05	0.6	6	109	14
1128046021		0.48		0.053	1.0	0.59	20	<10	30	<0.5	<2	1.75	<0.5	9	136	17
1127032052		0.46		0.161	0.6	1.96	23	<10	30	<0.5	<2	1.20	<0.5	7	133	16
1127027138		0.47		0.053	0.9	1.15	80	<10	20	<0.5	<2	2.17	<0.5	6	134	11
1128047001		0.55		0.665	5.4	1.66	21	<10	30	<0.5	<2	1.45	<0.5	10	92	27
1127027186		0.50		0.062	1.1	0.89	34	<10	30	<0.5	2	1.24	<0.5	7	138	38
1127027127		0.46		0.281	1.1	0.72	49	<10	20	<0.5	<2	1.08	1.3	10	157	49
1127027194		0.49		0.769	1.5	0.54	63	<10	20	<0.5	<2	1.69	1.1	8	123	54
1131072124		0.48		0.083	0.7	0.74	59	<10	50	<0.5	<2	0.69	0.5	9	164	27
1127036094		0.50		0.112	1.0	2.57	11	<10	80	<0.5	<2	1.75	0.5	17	147	60
1127032053		0.51		0.077	0.4	2.18	33	<10	30	<0.5	<2	1.58	<0.5	7	115	20
1127032152		0.48		0.084	0.4	0.50	62	<10	30	<0.5	<2	2.42	1.6	6	122	19
1127032073		0.48		0.140	0.5	1.12	46	<10	20	<0.5	2	1.32	5.0	6	120	36
1127032002		0.51		0.168	0.9	1.47	51	<10	20	<0.5	<2	1.61	0.9	8	110	32
1127032065		0.50		0.208	1.5	1.10	56	<10	20	<0.5	<2	1.57	6.9	7	104	48
1127036083		0.53		0.222	1.1	0.90	46	<10	20	<0.5	<2	0.89	0.8	7	93	25
1127029104		0.50		0.104	1.9	0.52	23	<10	30	<0.5	<2	2.37	1.2	7	117	38
V829062		0.06		6.51	4.9	0.83	<2	<10	50	<0.5	<2	0.53	<0.5	7	10	38

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1126001124		2.01	10	<1	0.36	10	0.70	447	1	0.07	10	550	<2	0.35	<2	2
1126001005		12.25	20	<1	0.57	<10	1.76	1770	1	0.30	73	800	4	4.35	<2	17
1131072075		1.98	<10	<1	0.12	10	0.83	227	<1	0.03	10	500	12	1.40	<2	<1
1127027014		1.85	<10	<1	0.13	10	0.54	682	2	0.03	11	420	28	1.87	<2	<1
1128041006		2.37	<10	<1	0.16	10	0.48	809	<1	0.03	9	390	26	2.57	<2	<1
1127027015		1.93	<10	<1	0.14	10	0.80	663	1	0.04	11	410	19	1.94	<2	<1
1127030071		1.94	<10	1	0.17	10	0.61	1210	1	0.02	12	390	173	1.85	<2	<1
1128041108		1.89	<10	<1	0.21	<10	0.94	1660	2	0.03	12	420	104	1.90	<2	<1
1128047058		1.74	<10	1	0.18	10	0.66	443	1	0.09	11	410	32	1.71	<2	1
1131072046		2.11	<10	1	0.14	10	0.54	302	3	0.03	12	260	36	1.65	<2	1
1128046038		1.80	<10	<1	0.19	10	0.26	620	1	0.07	13	400	17	1.95	<2	<1
1127030050		2.22	<10	<1	0.21	10	0.57	862	1	0.01	12	420	25	1.77	<2	<1
1127030016		3.05	<10	1	0.22	10	0.81	1135	<1	0.02	10	430	27	2.49	<2	1
1130101009		2.83	10	1	0.24	10	1.02	635	<1	0.08	24	530	2	0.50	<2	3
1127027205		1.77	<10	1	0.17	10	0.64	346	1	0.06	9	330	17	1.72	<2	1
1127030101		2.34	<10	<1	0.20	10	0.75	454	1	0.01	12	410	32	1.53	<2	<1
1127030134		2.36	<10	1	0.26	10	0.80	1200	<1	0.02	11	410	58	2.26	<2	<1
1127030129		1.85	<10	<1	0.24	10	0.67	1290	1	0.02	10	420	326	1.67	<2	<1
1130101067		3.25	10	<1	0.26	10	1.03	635	1	0.07	27	450	4	0.70	<2	3
1127027187		1.67	<10	<1	0.18	10	0.75	368	1	0.06	11	360	12	0.92	<2	1
1127027010		1.68	<10	<1	0.16	10	0.66	373	1	0.07	9	360	14	1.38	<2	1
V829061		4.34	<10	<1	0.26	10	0.29	476	3	0.02	14	170	18	3.40	3	2
1131072036		1.17	<10	<1	0.13	10	0.07	36	1	0.02	7	20	7	1.28	<2	<1
1128046021		2.18	<10	<1	0.15	10	0.25	501	1	0.03	11	460	12	2.39	<2	<1
1127032052		1.46	<10	1	0.18	10	0.75	489	1	0.10	6	400	26	0.52	<2	1
1127027138		1.43	<10	<1	0.13	10	0.76	486	<1	0.04	11	410	7	0.45	<2	1
1128047001		2.27	<10	<1	0.20	10	0.51	408	<1	0.10	12	500	28	2.49	2	1
1127027186		1.67	<10	<1	0.14	10	0.57	341	1	0.05	10	370	17	1.23	<2	1
1127027127		2.09	<10	<1	0.13	10	0.54	496	1	0.03	13	470	55	2.06	2	<1
1127027194		2.11	<10	1	0.17	10	0.60	1145	<1	0.03	12	450	108	2.21	2	<1
1131072124		2.41	<10	1	0.18	10	0.45	1010	1	0.02	14	510	12	1.50	<2	1
1127036094		4.59	10	<1	0.35	10	0.85	702	<1	0.15	24	590	9	1.11	<2	4
1127032053		1.66	10	1	0.21	10	0.86	546	1	0.09	7	390	35	0.83	<2	1
1127032152		1.54	<10	<1	0.21	10	1.05	1680	1	0.01	6	520	37	0.75	<2	<1
1127032073		1.72	<10	1	0.25	10	0.90	899	1	0.01	7	420	28	1.00	<2	<1
1127032002		1.61	<10	<1	0.19	10	0.78	630	<1	0.04	8	380	59	1.25	2	<1
1127032065		1.85	<10	<1	0.26	10	0.88	840	<1	0.01	7	380	79	1.47	2	<1
1127036083		2.04	<10	<1	0.19	20	0.47	418	<1	0.04	8	410	103	2.06	<2	<1
1127029104		1.94	<10	<1	0.20	10	1.02	1580	<1	0.02	10	420	88	2.12	4	<1
V829062		1.64	<10	<1	0.17	10	0.35	182	19	0.13	10	570	8	0.07	<2	2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1126001124		58	<20	0.04	<10	<10	18	<10	101	0.55	0.31	54	9.2	44	9.7	5.57
1126001005		117	<20	0.16	<10	<10	288	<10	374	1.00	4.46	168	8.5	29	139.4	1.21
1131072075		22	<20	<0.01	<10	<10	8	<10	128	0.06	1.37	6	7.9	-37	42.8	0.14
1127027014		16	<20	<0.01	<10	<10	3	<10	209	0.51	1.86	40	8.5	-18	58.1	0.69
1128041006		20	<20	<0.01	<10	<10	3	<10	68	0.32	2.50	25	8.4	-53	78.1	0.32
1127027015		19	<20	<0.01	<10	<10	3	<10	141	0.74	1.84	59	8.6	2	57.5	1.03
1127030071		16	<20	<0.01	<10	<10	2	<10	1180	0.98	1.82	78	8.7	21	56.9	1.37
1128041108		23	<20	<0.01	<10	<10	4	<10	601	0.95	1.90	75	8.9	16	59.4	1.26
1128047058		52	<20	<0.01	<10	<10	5	<10	207	0.23	1.72	28	8.4	-26	53.8	0.52
1131072046		21	<20	0.01	<10	<10	13	<10	153	0.23	1.64	15	8.3	-36	51.3	0.29
1128046038		59	<20	<0.01	<10	<10	3	<10	178	0.70	1.79	58	8.5	2	55.9	1.04
1127030050		12	<20	<0.01	<10	<10	4	<10	739	0.50	1.80	44	8.4	-12	56.3	0.78
1127030016		19	<20	<0.01	<10	<10	5	<10	1380	0.54	2.27	47	8.4	-24	70.9	0.66
1130101009		51	<20	0.04	<10	<10	46	<10	100	0.81	0.46	69	8.9	55	14.4	4.80
1127027205		43	<20	<0.01	<10	<10	5	<10	75	0.56	1.73	50	8.9	-4	54.1	0.92
1127030101		8	<20	<0.01	<10	<10	5	<10	113	0.09	1.58	11	8.5	-38	49.4	0.22
1127030134		26	<20	<0.01	<10	<10	4	<10	2530	0.77	2.31	67	8.7	-5	72.2	0.93
1127030129		19	<20	<0.01	<10	<10	3	<10	798	0.89	1.68	73	9.0	21	52.5	1.39
1130101067		49	<20	0.05	<10	<10	52	<10	203	1.05	0.79	109	8.6	84	24.7	4.42
1127027187		44	<20	<0.01	<10	<10	5	<10	92	0.58	0.95	52	8.9	22	29.7	1.75
1127027010		55	<20	<0.01	<10	<10	5	<10	65	0.64	1.43	53	8.6	8	44.7	1.19
V829061		18	<20	0.01	<10	<10	7	<10	244	0.38						
1131072036		16	<20	<0.01	<10	<10	2	<10	168	0.04	1.28	1	7.6	-39	40.0	0.03
1128046021		23	<20	<0.01	<10	<10	3	<10	57	0.56	2.46	46	8.4	-31	76.9	0.60
1127032052		43	<20	0.02	<10	<10	8	<10	87	0.16	0.51	24	8.7	8	15.9	1.51
1127027138		32	<20	<0.01	<10	<10	5	<10	75	0.78	0.50	66	9.0	50	15.6	4.22
1128047001		47	<20	0.01	<10	<10	4	<10	122	0.25	2.38	28	8.6	-46	74.4	0.38
1127027186		31	<20	<0.01	<10	<10	7	<10	159	0.40	1.17	36	8.7	-1	36.6	0.98
1127027127		17	<20	<0.01	<10	<10	3	<10	323	0.47	2.10	40	8.6	-26	65.6	0.61
1127027194		21	<20	<0.01	<10	<10	2	<10	285	0.79	2.23	65	8.5	-5	69.7	0.93
1131072124		23	<20	0.01	<10	<10	10	<10	119	0.37	1.46	25	8.5	-21	45.6	0.55
1127036094		117	<20	0.11	<10	<10	103	<10	264	0.35	1.15	39	8.7	3	35.9	1.09
1127032053		44	<20	0.02	<10	<10	9	<10	115	0.23	0.77	31	8.8	7	24.1	1.29
1127032152		84	<20	<0.01	<10	<10	3	<10	447	1.38	0.71	107	8.9	85	22.2	4.82
1127032073		18	<20	0.01	<10	<10	6	<10	1320	0.40	1.00	39	8.6	8	31.3	1.25
1127032002		38	<20	<0.01	<10	<10	5	<10	251	0.40	1.28	42	8.7	2	40.0	1.05
1127032065		21	<20	<0.01	<10	<10	6	<10	1760	0.48	1.48	44	8.6	-2	46.3	0.95
1127036083		18	<20	<0.01	<10	<10	5	<10	271	0.24	2.07	22	8.3	-43	64.7	0.34
1127029104		26	<20	<0.01	<10	<10	2	<10	323	1.27	2.14	105	8.9	38	66.9	1.57
V829062		21	<20	0.24	<10	<10	48	<10	35	0.04						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1126001124		2
1126001005		3
1131072075		1
1127027014		2
1128041006		2
1127027015		2
1127030071		2
1128041108		2
1128047058		2
1131072046		1
1128046038		2
1127030050		2
1127030016		2
1130101009		2
1127027205		2
1127030101		1
1127030134		2
1127030129		2
1130101067		3
1127027187		2
1127027010		2
V829061		
1131072036		1
1128046021		2
1127032052		2
1127027138		2
1128047001		2
1127027186		2
1127027127		2
1127027194		2
1131072124		2
1127036094		2
1127032053		2
1127032152		3
1127032073		2
1127032002		2
1127032065		2
1127036083		2
1127029104		3
V829062		

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CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1127034031		0.47		0.402	1.0	0.83	89	<10	50	<0.5	<2	1.30	9.3	6	48	44
1127041124		0.52		0.510	1.2	0.67	21	<10	30	<0.5	3	1.74	1.1	8	109	20
1230001209		0.51		0.462	0.3	1.54	30	<10	40	<0.5	<2	0.28	2.1	10	51	32
1231001051		0.45		0.233	1.6	1.29	25	<10	20	<0.5	2	0.24	2.7	20	155	153
1126004046		0.50		0.170	0.7	1.90	19	<10	140	<0.5	<2	3.25	<0.5	16	195	45
1230001167		0.51		0.547	0.3	1.57	28	<10	50	<0.5	<2	0.21	3.0	11	45	48
1127038030		0.43		2.97	2.0	0.99	94	<10	30	<0.5	<2	2.07	4.3	7	109	29
1127038013		0.55		2.34	2.7	0.71	55	<10	30	<0.5	<2	3.04	2.5	8	105	59
1127041170		0.49		0.594	2.4	0.65	38	<10	30	<0.5	3	1.11	2.1	10	99	52
1127034075		0.63	77.3	0.880	8.0	0.92	141	<10	20	<0.5	2	1.19	19.4	7	58	156
1127041136		0.47		0.593	2.7	0.60	27	<10	40	<0.5	<2	0.68	3.6	7	168	60
1127041214		0.46		0.403	4.3	0.52	52	<10	20	<0.5	<2	1.20	3.8	8	30	84
1127041181		0.39		0.609	1.1	0.57	68	<10	20	<0.5	3	1.37	3.0	8	31	50
1127034094		0.51		1.060	2.7	0.82	634	<10	40	<0.5	<2	0.26	18.6	6	75	152
1127038031		0.49		0.918	1.4	0.91	68	<10	30	<0.5	2	2.72	5.8	8	106	42
1230002127		0.35		3.83	2.0	0.77	44	<10	30	<0.5	<2	0.20	3.0	12	146	49
1230001052		0.48		0.818	1.4	0.74	100	<10	70	<0.5	<2	0.43	4.3	11	53	39
1230001163		0.40		0.642	0.7	0.49	58	<10	90	<0.5	<2	0.18	1.9	6	70	21
1127038060		0.59		0.722	1.5	0.61	43	<10	20	<0.5	2	3.07	3.1	8	21	80
V829063		0.06		0.205	1.5	0.82	<2	<10	40	<0.5	<2	0.43	<0.5	10	11	55
1127029114		0.48		0.529	2.3	0.64	62	<10	30	<0.5	<2	1.90	1.9	8	82	97
1127036033		0.51		0.073	1.5	2.60	8	<10	90	<0.5	<2	2.41	3.1	25	104	96
1230001153		0.51		0.243	0.8	0.40	36	<10	30	<0.5	<2	0.07	3.6	6	136	30
1230001066		0.46		2.76	2.0	0.94	65	<10	50	<0.5	<2	0.15	23.5	10	72	323
1230001133		0.55		0.176	0.9	0.47	48	<10	30	<0.5	<2	0.09	4.4	9	86	35
1127034053		0.48		0.502	1.1	1.22	110	<10	30	<0.5	2	0.32	0.5	10	22	70
1127034152		0.49		3.20	3.4	0.77	265	<10	40	<0.5	3	0.47	30.8	7	89	247
1230001061		0.50		0.885	1.6	0.84	92	<10	120	<0.5	2	0.55	5.1	10	193	68
1127034070		0.45		0.319	3.5	0.75	141	<10	30	<0.5	<2	1.37	8.4	25	127	54
1230001156		0.38		0.296	0.6	1.14	55	<10	40	<0.5	<2	0.18	2.2	8	85	18
1230002222		0.44		0.077	1.4	0.45	43	<10	30	<0.5	<2	0.13	1.2	8	116	32
1127034057		0.50		0.673	0.9	1.23	87	<10	20	<0.5	<2	0.36	<0.5	8	21	44
1127034134		0.49		0.418	3.0	1.39	121	<10	20	<0.5	<2	1.16	17.2	6	89	196
1230001041		0.53		0.099	1.4	0.53	107	<10	40	<0.5	<2	0.49	6.8	9	114	36
1230001077		0.44		0.188	0.4	1.02	39	<10	50	<0.5	<2	1.08	1.1	10	39	21
1230001017		0.40		0.125	0.4	1.93	22	<10	70	<0.5	2	1.51	0.8	14	165	47
1127034125		0.43		0.252	0.8	0.91	117	<10	30	<0.5	<2	1.85	1.7	8	84	27
1127034182		0.51		0.731	0.9	1.12	116	<10	20	<0.5	<2	2.15	6.2	7	16	29
1230001204		0.62		0.465	0.3	0.78	23	<10	50	<0.5	<2	0.14	0.8	11	45	37
1127034039		0.54		0.441	1.3	1.14	96	<10	30	<0.5	<2	0.84	9.4	6	47	48

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
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Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1127034031		1.83	<10	1	0.29	10	0.68	1240	<1	0.01	7	340	77	1.23	<2	<1
1127041124		1.88	<10	<1	0.19	<10	0.73	1170	1	0.02	10	400	66	1.94	<2	<1
1230001209		2.16	<10	<1	0.14	20	0.80	439	<1	0.02	11	550	12	1.27	<2	1
1231001051		2.61	<10	<1	0.07	30	1.12	246	1	0.02	41	610	16	2.19	<2	3
1126004046		3.18	10	<1	0.39	20	1.57	713	<1	0.06	40	850	16	1.23	<2	5
1230001167		2.27	<10	<1	0.15	20	0.68	317	<1	0.02	12	170	5	1.63	4	1
1127038030		2.16	<10	<1	0.24	10	0.66	1125	1	0.01	10	420	27	1.86	<2	<1
1127038013		2.10	<10	<1	0.22	10	0.56	1245	3	0.02	12	420	594	2.03	<2	1
1127041170		2.01	<10	1	0.24	10	0.43	938	3	0.02	12	430	219	2.19	2	<1
1127034075		2.25	<10	<1	0.31	10	0.62	716	<1	0.01	8	390	124	2.26	2	<1
1127041136		2.10	<10	1	0.22	<10	0.35	1010	1	0.02	12	420	100	2.23	<2	<1
1127041214		1.89	<10	1	0.16	10	0.52	1050	1	0.02	10	410	70	2.09	<2	<1
1127041181		1.35	<10	1	0.16	10	0.52	1435	<1	0.02	9	410	42	1.27	<2	<1
1127034094		3.00	<10	1	0.32	10	0.39	330	<1	0.01	7	400	46	3.17	<2	<1
1127038031		2.17	<10	<1	0.24	10	0.85	1510	<1	0.02	11	440	51	1.75	<2	1
1230002127		2.91	<10	<1	0.17	10	0.39	134	1	0.03	15	150	12	2.97	8	1
1230001052		2.06	<10	1	0.28	10	0.48	587	<1	0.01	18	1060	394	1.45	2	2
1230001163		1.62	<10	2	0.28	10	0.09	964	<1	0.01	10	420	51	1.56	<2	<1
1127038060		1.86	<10	<1	0.16	10	0.89	1760	2	0.03	10	430	189	1.51	<2	<1
V829063		2.53	<10	<1	0.20	10	0.35	254	4	0.14	11	540	23	0.04	<2	2
1127029114		1.92	<10	1	0.21	10	0.79	1445	1	0.03	10	430	320	1.85	<2	1
1127036033		6.71	10	<1	0.43	10	1.01	972	<1	0.10	42	620	8	1.40	2	7
1230001153		1.58	<10	1	0.19	10	0.04	219	<1	0.01	7	210	104	1.22	<2	<1
1230001066		3.04	<10	2	0.23	20	0.54	289	<1	0.01	12	640	9	3.15	4	<1
1230001133		1.62	<10	<1	0.21	10	0.11	31	1	0.02	14	130	8	1.75	<2	1
1127034053		2.56	<10	<1	0.19	10	0.81	438	1	0.01	11	440	22	1.75	<2	<1
1127034152		3.31	<10	1	0.33	10	0.31	428	1	0.01	8	410	533	3.62	2	<1
1230001061		2.22	<10	<1	0.45	20	0.65	1240	<1	0.01	18	940	567	1.41	<2	2
1127034070		2.31	<10	<1	0.25	10	0.41	616	2	0.01	13	430	169	2.15	4	<1
1230001156		1.95	<10	<1	0.26	20	0.59	355	<1	0.02	11	450	211	1.72	<2	1
1230002222		1.35	<10	<1	0.18	10	0.05	30	<1	0.02	10	70	32	1.48	5	<1
1127034057		2.33	<10	2	0.17	10	0.83	462	<1	0.01	10	420	19	1.54	<2	<1
1127034134		2.34	<10	<1	0.38	10	1.10	772	<1	0.01	7	400	30	1.65	6	1
1230001041		1.97	<10	<1	0.21	10	0.17	280	1	0.02	11	160	150	2.05	<2	<1
1230001077		2.02	<10	1	0.29	10	0.55	380	1	0.04	15	430	39	0.90	<2	2
1230001017		2.56	10	<1	0.22	10	0.97	565	<1	0.11	32	490	13	0.63	<2	4
1127034125		1.89	<10	1	0.28	10	0.64	733	<1	0.01	11	430	11	1.50	<2	1
1127034182		2.14	<10	1	0.18	10	0.86	1005	<1	0.01	9	410	23	1.56	2	1
1230001204		1.88	<10	<1	0.19	20	0.22	452	2	0.01	12	260	47	0.88	<2	1
1127034039		2.44	<10	<1	0.40	10	0.63	566	1	0.01	7	390	30	1.98	3	<1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1127034031		102	<20	0.01	<10	<10	4	<10	2290	0.57	1.25	47	8.8	8	39.1	1.20
1127041124		18	<20	<0.01	<10	<10	3	<10	275	0.92	2.09	73	8.9	8	65.3	1.12
1230001209		23	<20	<0.01	<10	<10	10	<10	611	0.03	1.33	8	8.1	-34	41.6	0.19
1231001051		13	<20	<0.01	<10	<10	21	<10	801	0.10	2.12	8	7.8	-58	66.3	0.12
1126004046		133	<20	0.06	<10	<10	46	<10	136	1.00	1.21	114	8.7	76	37.8	3.01
1230001167		25	<20	<0.01	<10	<10	9	<10	764	0.02	1.61	5	7.9	-45	50.3	0.10
1127038030		17	<20	<0.01	<10	<10	4	<10	1010	0.67	1.83	58	8.7	1	57.2	1.01
1127038013		21	<20	<0.01	<10	<10	3	<10	657	1.17	1.96	95	8.8	34	61.3	1.55
1127041170		14	<20	<0.01	<10	<10	3	<10	521	0.51	2.13	43	8.8	-24	66.6	0.65
1127034075		18	<20	<0.01	<10	<10	4	<10	4640	0.37	2.20	35	8.7	-34	68.8	0.51
1127041136		10	<20	<0.01	<10	<10	3	<10	906	0.31	1.97	27	8.5	-35	61.6	0.44
1127041214		14	<20	<0.01	<10	<10	2	<10	1000	0.57	2.02	47	8.6	-16	63.1	0.74
1127041181		12	<20	<0.01	<10	<10	3	<10	790	0.60	1.22	48	8.9	10	38.1	1.26
1127034094		10	<20	<0.01	<10	<10	4	<10	4590	0.06	3.01	9	8.3	-85	94.1	0.10
1127038031		25	<20	<0.01	<10	<10	4	<10	1300	1.08	1.61	92	8.8	42	50.3	1.83
1230002127		17	<20	<0.01	<10	<10	7	<10	672	0.07	2.94	7	8.3	-85	91.9	0.08
1230001052		36	<20	0.02	<10	<10	16	<10	1620	0.16	1.35	14	8.4	-28	42.2	0.33
1230001163		18	<20	<0.01	<10	<10	3	<10	724	0.16	1.55	11	8.3	-37	48.4	0.23
1127038060		26	<20	<0.01	<10	<10	3	<10	738	1.39	1.38	111	8.7	68	43.1	2.57
V829063		19	<20	0.38	<10	<10	58	<10	64	0.03						
1127029114		20	<20	<0.01	<10	<10	3	<10	538	1.01	1.78	76	8.7	20	55.6	1.37
1127036033		72	<20	0.16	<10	<10	154	<10	888	0.76	1.46	59	8.7	13	45.6	1.29
1230001153		11	<20	<0.01	<10	<10	3	<10	719	0.07	1.19	7	7.7	-30	37.2	0.19
1230001066		15	<20	<0.01	<10	<10	6	<10	6300	0.04	3.16	7	7.6	-92	98.8	0.07
1230001133		13	<20	<0.01	<10	<10	6	<10	1020	0.03	1.72	3	8.5	-51	53.8	0.06
1127034053		7	<20	<0.01	<10	<10	5	<10	136	0.08	1.62	10	8.3	-41	50.6	0.20
1127034152		16	<20	<0.01	<10	<10	4	<10	7480	0.17	3.47	18	8.4	-90	108.4	0.17
1230001061		35	<20	0.04	<10	<10	17	<10	1540	0.27	1.31	26	8.7	-15	40.9	0.64
1127034070		18	<20	<0.01	<10	<10	4	120	1740	0.46	1.96	40	8.3	-21	61.3	0.65
1230001156		15	<20	<0.01	<10	<10	7	<10	695	0.04	1.58	7	8.2	-42	49.4	0.14
1230002222		19	<20	<0.01	<10	<10	3	<10	316	0.06	1.54	5	8.4	-43	48.1	0.10
1127034057		7	<20	0.01	<10	<10	4	<10	146	0.08	1.58	13	8.3	-36	49.4	0.26
1127034134		17	<20	0.01	<10	<10	7	<10	3660	0.41	1.60	39	8.7	-11	50.0	0.78
1230001041		15	<20	<0.01	<10	<10	4	<10	1620	0.21	2.09	17	8.6	-48	65.3	0.26
1230001077		26	<20	0.04	<10	<10	24	<10	260	0.38	0.87	35	8.5	8	27.2	1.29
1230001017		53	<20	0.07	<10	<10	45	<10	210	0.35	0.60	34	8.5	15	18.8	1.81
1127034125		26	<20	<0.01	<10	<10	6	<10	446	0.66	1.49	57	8.9	10	46.6	1.22
1127034182		25	<20	0.01	<10	<10	6	<10	1560	0.71	1.55	60	8.4	12	48.4	1.24
1230001204		13	<20	<0.01	<10	<10	7	<10	207	0.13	0.88	5	7.8	-23	27.5	0.18
1127034039		15	<20	0.01	<10	<10	5	<10	2280	0.25	1.99	27	8.6	-35	62.2	0.43

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1127034031		2
1127041124		2
1230001209		1
1231001051		1
1126004046		3
1230001167		1
1127038030		2
1127038013		3
1127041170		2
1127034075		2
1127041136		2
1127041214		2
1127041181		2
1127034094		1
1127038031		3
1230002127		1
1230001052		1
1230001163		1
1127038060		3
V829063		
1127029114		2
1127036033		2
1230001153		1
1230001066		1
1230001133		1
1127034053		1
1127034152		1
1230001061		2
1127034070		2
1230001156		1
1230002222		1
1127034057		1
1127034134		2
1230001041		1
1230001077		2
1230001017		2
1127034125		2
1127034182		2
1230001204		1
1127034039		2

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CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
V829064		0.06		6.56	4.8	0.75	<2	<10	50	<0.5	<2	0.49	<0.5	6	9	39
1230003193		0.53		0.060	0.6	1.29	37	<10	30	<0.5	<2	0.76	<0.5	9	84	23
1126010225		0.57		0.024	0.5	1.16	44	10	40	<0.5	<2	2.07	0.5	7	36	11
1230003996		0.49		1.400	3.2	1.06	39	<10	50	<0.5	<2	2.08	0.5	11	74	32
1230004131		0.53		0.184	1.2	1.54	40	<10	60	<0.5	<2	1.13	0.5	11	58	21
1230004104		0.53		0.123	1.0	0.88	25	<10	40	<0.5	<2	2.15	<0.5	8	110	22
1230004119		0.51		0.230	1.3	1.25	34	<10	50	<0.5	<2	1.77	0.6	10	73	30
1230004142		0.47		0.163	2.9	0.78	26	<10	50	<0.5	<2	1.76	3.7	9	122	81
1230003066		0.54		0.206	4.1	1.02	32	10	40	<0.5	<2	0.92	0.6	12	69	33
1230003232		0.51		0.043	0.4	1.17	9	<10	30	<0.5	<2	1.41	0.6	11	106	30
1127042183		0.54		0.293	0.7	1.12	102	<10	30	<0.5	<2	0.52	7.6	8	82	34
1127042113		0.49		0.272	2.1	1.91	22	<10	30	<0.5	<2	1.89	1.6	9	60	42
1230004105		0.39		0.328	2.1	1.17	32	<10	50	<0.5	<2	1.47	1.2	9	120	48
1127042162		0.54		0.327	2.4	0.74	27	<10	30	<0.5	<2	2.32	1.8	8	156	53
1230003012		0.48		0.317	4.3	0.67	36	<10	30	<0.5	<2	0.17	2.3	9	110	24
1126011231		0.55		0.041	0.3	1.10	<2	<10	60	<0.5	<2	1.65	<0.5	8	168	16
1126011011		0.59		0.078	0.3	0.92	6	<10	40	<0.5	<2	2.01	<0.5	9	198	55
1126011219		0.55		0.135	0.3	0.91	5	<10	30	<0.5	<2	1.86	<0.5	9	170	22
V829065		0.06		6.55	4.9	0.77	<2	<10	50	<0.5	<2	0.51	<0.5	7	10	38
1230003220		0.58	87.9	0.099	1.2	1.39	13	<10	40	<0.5	<2	2.05	4.1	12	136	55
1127042024		0.49		0.189	0.8	2.00	37	10	30	<0.5	<2	1.72	1.8	9	76	49
1127041043		0.51		0.148	1.8	1.06	46	<10	50	<0.5	<2	2.89	2.0	10	43	34
1127042150		0.50		0.084	0.5	2.11	32	10	40	<0.5	<2	1.66	1.6	7	72	27
1230003126		0.53		0.119	2.0	0.95	20	<10	30	<0.5	<2	0.50	0.5	10	100	24
1230003124		0.43		0.407	5.3	0.91	33	<10	40	<0.5	<2	0.55	0.9	8	56	24
1127042235		0.45		0.220	0.9	1.23	76	<10	30	<0.5	<2	2.66	1.4	7	73	33
1126004113		0.52		0.083	0.8	1.48	24	<10	40	<0.5	<2	1.05	<0.5	6	104	21
1127042233		0.40		0.352	0.6	0.93	117	<10	30	<0.5	<2	1.86	1.8	8	66	24
1230003150		0.38		0.045	0.6	1.21	25	<10	50	<0.5	<2	0.74	<0.5	8	68	19
1127042184		0.47		8.39	3.4	0.74	266	<10	30	<0.5	<2	0.16	17.6	8	76	200
1126010214		0.50		0.022	0.7	1.08	31	<10	50	<0.5	<2	1.97	<0.5	7	95	11
1127042042		0.52		0.467	0.8	1.32	48	<10	20	<0.5	<2	1.05	7.0	8	193	65
1127042208		0.51		0.189	1.2	1.12	45	<10	30	<0.5	<2	0.63	0.7	8	102	33
1230003213		0.50		0.163	1.2	1.20	31	<10	40	<0.5	<2	0.92	0.9	9	68	22
1126004134		0.41		0.484	0.9	1.90	86	10	30	<0.5	<2	1.37	0.8	9	131	27
1126004139		0.51		0.024	0.6	1.60	22	<10	50	<0.5	<2	1.24	<0.5	7	66	16
V829066		0.06		1.940	6.5	0.78	386	<10	40	<0.5	2	1.18	1.0	6	13	281
1127041045		0.48		0.371	1.3	1.26	71	<10	50	<0.5	<2	2.68	1.8	12	48	39
1126004082		0.47		0.347	0.8	1.50	43	<10	50	<0.5	<2	1.33	0.5	9	60	23
1126005030		0.46		0.046	0.7	1.40	36	<10	40	<0.5	<2	1.65	<0.5	7	71	19

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Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
V829064		1.64	<10	<1	0.16	10	0.35	177	19	0.12	11	570	9	0.07	<2	1
1230003193		2.04	<10	<1	0.14	10	0.57	307	1	0.05	11	420	23	1.83	<2	1
1126010225		1.62	<10	<1	0.17	10	0.66	428	<1	0.06	9	350	28	0.88	2	1
1230003996		2.59	<10	<1	0.22	20	0.72	747	1	0.04	12	610	29	2.44	<2	1
1230004131		2.56	<10	<1	0.21	20	0.90	501	1	0.09	18	590	25	1.95	<2	1
1230004104		1.99	<10	<1	0.16	10	0.62	708	1	0.05	11	460	22	1.94	<2	1
1230004119		2.41	<10	<1	0.21	20	0.75	671	1	0.07	15	550	25	2.07	<2	1
1230004142		2.23	<10	<1	0.21	20	0.47	661	1	0.04	10	480	45	2.38	2	<1
1230003066		2.29	<10	<1	0.18	20	0.34	708	1	0.05	15	530	50	2.35	<2	<1
1230003232		2.01	<10	<1	0.09	10	0.90	576	1	0.04	21	580	5	1.49	2	2
1127042183		2.51	<10	<1	0.24	10	0.63	403	<1	0.02	11	360	18	2.15	<2	<1
1127042113		2.00	<10	<1	0.19	10	0.59	432	1	0.11	10	440	31	1.98	<2	<1
1230004105		2.27	<10	<1	0.19	20	0.71	714	1	0.06	11	560	61	2.09	<2	1
1127042162		1.97	<10	<1	0.19	10	0.40	760	1	0.03	12	420	143	1.90	<2	<1
1230003012		2.06	<10	<1	0.17	10	0.26	312	1	0.02	13	390	103	2.15	<2	<1
1126011231		1.91	<10	<1	0.12	10	0.52	256	1	0.07	9	380	3	0.20	<2	1
1126011011		2.04	<10	<1	0.10	10	0.59	315	1	0.06	10	380	<2	0.31	<2	1
1126011219		1.94	<10	<1	0.07	10	0.62	263	1	0.08	8	360	2	0.71	<2	1
V829065		1.64	<10	<1	0.16	10	0.35	177	15	0.12	10	570	9	0.07	<2	2
1230003220		2.70	<10	<1	0.15	20	0.88	618	1	0.08	21	550	21	2.67	<2	2
1127042024		2.04	<10	<1	0.21	10	0.77	496	1	0.10	11	380	70	1.80	<2	1
1127041043		2.38	<10	<1	0.20	20	0.77	1355	<1	0.06	15	530	62	2.21	<2	1
1127042150		1.75	<10	<1	0.20	10	0.75	490	<1	0.16	10	380	39	1.34	<2	1
1230003126		2.05	<10	1	0.13	10	0.31	380	1	0.05	12	480	31	2.05	<2	<1
1230003124		2.00	<10	<1	0.26	10	0.45	1510	<1	0.04	12	460	64	2.01	<2	1
1127042235		1.77	<10	<1	0.28	10	0.81	1260	1	0.03	9	380	38	1.21	2	1
1126004113		1.56	<10	<1	0.19	10	0.62	397	1	0.11	10	360	13	0.62	<2	1
1127042233		1.89	<10	1	0.32	10	0.56	967	1	0.02	11	430	20	1.63	<2	1
1230003150		1.69	<10	<1	0.15	10	0.17	162	1	0.11	7	410	14	1.58	<2	1
1127042184		2.58	<10	<1	0.26	10	0.24	153	1	0.02	13	310	36	2.74	2	<1
1126010214		1.76	<10	<1	0.19	10	0.64	323	2	0.07	10	360	9	1.44	<2	1
1127042042		2.21	<10	1	0.17	10	0.66	519	3	0.04	12	370	65	1.84	<2	<1
1127042208		2.03	<10	<1	0.21	10	0.54	826	1	0.03	11	450	64	1.80	<2	<1
1230003213		2.62	<10	<1	0.18	10	0.57	568	2	0.06	11	560	52	2.62	2	<1
1126004134		2.17	<10	<1	0.17	20	0.84	596	1	0.06	9	500	48	1.36	2	1
1126004139		1.46	<10	<1	0.22	10	0.67	416	1	0.09	8	370	11	0.53	<2	1
V829066		4.21	<10	1	0.24	10	0.28	454	3	0.02	8	160	18	3.27	3	2
1127041045		2.61	<10	<1	0.19	20	0.91	1495	1	0.07	16	530	42	2.22	<2	1
1126004082		2.22	<10	<1	0.20	20	0.64	585	1	0.04	10	560	23	1.83	<2	1
1126005030		1.73	<10	<1	0.18	10	0.65	430	1	0.08	9	430	12	0.81	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
V829064		19	<20	0.22	<10	<10	47	<10	34	0.03						
1230003193		28	<20	<0.01	<10	<10	6	<10	111	0.18	1.86	18	8.5	-40	58.1	0.31
1126010225		39	<20	<0.01	<10	<10	6	<10	159	0.61	0.89	55	9.2	27	27.8	1.98
1230003996		32	<20	<0.01	<10	<10	5	<10	119	0.70	2.51	59	8.5	-19	78.4	0.75
1230004131		56	<20	0.01	<10	<10	12	<10	155	0.27	2.07	30	8.5	-35	64.7	0.46
1230004104		33	<20	<0.01	<10	<10	5	<10	102	0.74	1.95	64	8.8	3	60.9	1.05
1230004119		39	<20	<0.01	<10	<10	8	<10	147	0.55	2.15	49	8.6	-18	67.2	0.73
1230004142		33	<20	<0.01	<10	<10	4	10	976	0.60	2.43	53	8.4	-23	75.9	0.70
1230003066		35	<20	<0.01	<10	<10	4	<10	155	0.26	2.40	26	8.2	-49	75.0	0.35
1230003232		29	<20	<0.01	<10	<10	12	<10	181	0.53	1.46	45	8.5	-1	45.6	0.99
1127042183		13	<20	<0.01	<10	<10	5	<10	1815	0.14	2.16	17	8.5	-51	67.5	0.25
1127042113		51	<20	0.02	<10	<10	5	<10	409	0.30	1.97	37	8.5	-25	61.6	0.60
1230004105		31	<20	<0.01	<10	<10	7	<10	301	0.46	2.08	44	8.6	-21	65.0	0.68
1127042162		20	<20	<0.01	<10	<10	3	<10	463	0.74	1.93	63	8.4	3	60.3	1.04
1230003012		17	<20	<0.01	<10	<10	4	<10	585	0.04	2.20	7	8.1	-62	68.8	0.10
1126011231		42	<20	<0.01	<10	<10	11	<10	24	0.50	0.18	46	9.5	40	5.6	8.18
1126011011		51	<20	<0.01	<10	<10	8	10	28	0.85	0.30	65	9.2	56	9.4	6.93
1126011219		45	<20	<0.01	<10	<10	11	<10	19	0.67	0.69	57	9.3	35	21.6	2.64
V829065		20	<20	0.23	<10	<10	48	<10	33	0.02						
1230003220		44	<20	<0.01	<10	<10	11	<10	948	0.58	2.73	53	9.0	-32	85.3	0.62
1127042024		43	<20	0.01	<10	<10	6	<10	447	0.32	1.83	37	8.6	-20	57.2	0.65
1127041043		62	<20	<0.01	<10	<10	6	<10	511	1.04	2.22	89	8.8	20	69.4	1.28
1127042150		49	<20	<0.01	<10	<10	6	<10	390	0.28	1.32	36	8.7	-5	41.3	0.87
1230003126		42	<20	<0.01	<10	<10	4	<10	154	0.09	2.12	11	8.0	-55	66.3	0.17
1230003124		25	<20	<0.01	<10	<10	4	<10	255	0.29	1.97	25	8.8	-37	61.6	0.41
1127042235		25	<20	<0.01	<10	<10	5	<10	376	0.91	1.20	77	9.0	40	37.5	2.05
1126004113		47	<20	0.01	<10	<10	9	<10	80	0.24	0.60	29	9.1	10	18.8	1.55
1127042233		24	<20	<0.01	<10	<10	4	<10	503	0.70	1.63	59	8.8	8	50.9	1.16
1230003150		97	<20	0.01	<10	<10	5	<10	74	0.10	1.55	14	8.8	-34	48.4	0.29
1127042184		10	<20	<0.01	<10	<10	4	10	4070	0.03	2.85	7	8.3	-82	89.1	0.08
1126010214		40	<20	<0.01	<10	<10	5	<10	75	0.59	1.44	54	9.2	9	45.0	1.20
1127042042		25	<20	<0.01	<10	<10	5	<10	1510	0.24	1.79	26	8.1	-30	55.9	0.46
1127042208		17	<20	<0.01	<10	<10	4	<10	176	0.16	1.80	17	8.6	-39	56.3	0.30
1230003213		28	<20	<0.01	<10	<10	4	<10	243	0.21	2.58	24	8.4	-57	80.6	0.30
1126004134		41	<20	<0.01	<10	<10	8	<10	206	0.31	1.43	36	8.5	-9	44.7	0.81
1126004139		43	<20	<0.01	<10	<10	7	<10	86	0.33	0.49	34	9.0	19	15.3	2.22
V829066		18	<20	0.01	<10	<10	7	<10	229	0.36						
1127041045		58	<20	<0.01	<10	<10	9	<10	441	1.06	2.25	81	8.5	11	70.3	1.15
1126004082		29	<20	<0.01	<10	<10	8	<10	127	0.37	1.74	37	8.5	-17	54.4	0.68
1126005030		42	<20	<0.01	<10	<10	10	<10	81	0.50	0.80	48	9.2	23	25.0	1.92

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
V829064		
1230003193		1
1126010225		2
1230003996		2
1230004131		2
1230004104		2
1230004119		2
1230004142		2
1230003066		2
1230003232		2
1127042183		1
1127042113		2
1230004105		2
1127042162		2
1230003012		1
1126011231		2
1126011011		2
1126011219		2
V829065		
1230003220		2
1127042024		2
1127041043		3
1127042150		2
1230003126		1
1230003124		2
1127042235		2
1126004113		2
1127042233		2
1230003150		1
1127042184		1
1126010214		2
1127042042		2
1127042208		1
1230003213		2
1126004134		2
1126004139		2
V829066		
1127041045		2
1126004082		2
1126005030		2

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CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1127042149		0.42		0.828	0.8	1.66	56	10	40	<0.5	<2	1.15	1.6	7	74	77
1230003195		0.60		0.105	0.9	1.69	20	<10	40	<0.5	<2	1.15	1.1	10	92	34
1127042025		0.54		0.076	0.4	1.82	35	<10	30	<0.5	<2	1.43	1.2	9	84	31
1126004165		0.49		0.108	0.6	1.63	40	<10	50	<0.5	<2	1.96	1.5	6	59	13
1126005018		0.59		0.018	<0.2	1.04	3	<10	40	<0.5	<2	2.05	<0.5	6	125	13
1126004099		0.46		0.055	0.4	2.73	23	<10	50	<0.5	<2	1.93	<0.5	6	71	14
1230003120		0.58		0.038	0.5	1.72	14	<10	40	<0.5	<2	0.96	<0.5	8	75	17
1126010188		0.48		0.050	0.6	1.38	35	<10	50	<0.5	<2	2.27	<0.5	7	70	16
1126010143		0.47		0.144	2.4	1.16	99	<10	40	<0.5	<2	2.10	<0.5	7	93	21
1230003198		0.59		0.124	0.9	1.51	14	<10	50	<0.5	<2	1.77	3.1	13	129	85
1126010140		0.43		0.207	1.7	1.27	99	<10	50	<0.5	<2	2.44	<0.5	6	58	21
1230003170		0.53		0.067	0.2	1.56	13	<10	40	<0.5	<2	0.97	<0.5	9	43	24
1127042001		0.56		0.030	0.6	0.91	21	<10	50	<0.5	<2	1.70	<0.5	10	73	20
1126010161		0.48		0.062	0.4	1.02	24	<10	30	<0.5	<2	1.59	<0.5	7	63	12
V829067		0.06		0.197	1.5	0.79	2	<10	40	<0.5	<2	0.40	<0.5	9	11	55
1126004060		0.38		0.063	1.2	1.52	21	<10	40	<0.5	<2	1.35	<0.5	8	45	22
1230002037		0.38		0.187	3.3	0.61	64	<10	20	<0.5	<2	0.11	2.1	8	20	29
1127041001		0.50		0.242	3.1	1.01	23	<10	30	<0.5	<2	1.46	0.5	8	101	33
1230002076		0.42		1.260	0.9	0.81	63	<10	20	<0.5	<2	0.03	1.7	8	15	40
1127041069		0.46		0.096	1.2	0.64	25	<10	30	<0.5	<2	1.84	0.5	7	26	20
1230002057		0.32		0.264	2.2	0.92	41	10	30	<0.5	<2	0.09	3.9	10	66	127
1126004054		0.51		0.266	0.6	1.53	75	<10	40	<0.5	<2	2.37	0.6	9	90	22
1230002002		0.42		0.901	3.8	1.12	71	<10	30	<0.5	<2	0.80	9.3	9	49	92
1127041295		0.52		0.185	0.9	1.17	58	<10	40	<0.5	<2	2.34	0.6	8	22	36
1230002003		0.46		0.219	0.8	0.70	59	<10	20	<0.5	<2	0.10	3.6	9	22	31
1127041019		0.52		0.074	1.3	1.02	30	<10	40	<0.5	<2	1.96	0.5	7	87	30
1126005010		0.62		0.097	0.5	1.45	42	<10	60	<0.5	<2	1.53	<0.5	9	118	16
1126004067		0.51		0.023	<0.2	1.07	5	<10	50	<0.5	<2	1.64	0.6	6	65	20
1126004150		0.54		0.087	1.0	1.76	32	<10	50	<0.5	<2	1.15	<0.5	8	111	17
1126010001		0.53	85.6	0.041	1.1	1.50	37	<10	40	<0.5	<2	1.33	<0.5	7	92	21
1230003097		0.44		0.268	2.2	1.77	40	10	50	<0.5	<2	0.70	0.5	10	81	30
1127041193		0.49		0.505	4.7	1.11	33	<10	40	<0.5	3	1.23	0.9	10	97	78
1127041050		0.49		1.650	2.1	1.32	70	<10	40	<0.5	<2	2.57	1.1	13	54	38
V829068		0.06		6.75	5.3	0.88	<2	<10	50	<0.5	<2	0.55	<0.5	7	10	42
1126007035		0.51		0.071	0.5	0.79	38	<10	30	<0.5	<2	2.25	0.5	7	32	14
1126013064		0.45		0.031	0.2	1.20	7	<10	80	<0.5	<2	1.84	0.5	8	181	35
1126007040		0.50		0.028	0.8	0.93	50	<10	30	<0.5	<2	2.57	1.6	6	20	14
1126013063		0.49		0.030	<0.2	1.21	7	<10	130	<0.5	<2	2.39	<0.5	7	60	14
1126007092		0.47		0.070	0.5	1.26	38	<10	50	<0.5	<2	2.33	0.6	7	71	19
1126014113		0.49		0.444	0.9	1.18	51	<10	30	<0.5	<2	1.63	1.3	7	111	18

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Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1127042149		1.90	<10	<1	0.24	10	0.51	366	1	0.14	10	370	45	1.79	<2	1
1230003195		2.27	<10	<1	0.17	10	0.67	397	1	0.10	10	630	20	2.44	<2	1
1127042025		1.99	<10	<1	0.19	10	0.63	404	1	0.10	11	400	47	1.90	<2	1
1126004165		1.59	<10	<1	0.23	10	0.75	519	<1	0.06	7	370	14	0.85	<2	1
1126005018		1.67	<10	<1	0.11	10	0.55	316	1	0.06	10	410	2	0.12	<2	1
1126004099		1.43	10	<1	0.22	10	0.80	417	<1	0.16	7	350	17	0.57	<2	1
1230003120		1.78	<10	<1	0.17	10	0.39	397	<1	0.14	8	420	14	1.12	<2	1
1126010188		1.76	<10	<1	0.20	10	0.74	549	1	0.07	9	360	10	1.13	<2	1
1126010143		1.62	<10	<1	0.22	10	0.60	543	1	0.05	9	400	19	1.35	<2	1
1230003198		2.61	<10	1	0.17	20	0.90	659	1	0.10	24	640	8	2.60	<2	3
1126010140		1.60	<10	<1	0.22	10	0.74	650	1	0.07	7	350	35	1.11	<2	1
1230003170		1.39	<10	<1	0.12	10	0.29	259	1	0.13	6	460	6	0.98	<2	1
1127042001		1.30	<10	<1	0.19	10	0.28	493	1	0.08	13	330	17	1.35	<2	<1
1126010161		1.53	<10	<1	0.12	20	0.51	322	1	0.04	6	450	8	0.44	<2	1
V829067		2.41	<10	<1	0.20	10	0.35	244	4	0.13	10	520	24	0.03	2	2
1126004060		1.91	<10	<1	0.14	10	0.71	393	1	0.09	10	400	10	0.88	<2	1
1230002037		1.60	<10	<1	0.16	10	0.25	274	<1	0.02	10	250	33	1.79	2	<1
1127041001		3.22	<10	<1	0.15	<10	0.84	1395	<1	0.03	9	380	15	3.25	<2	<1
1230002076		1.67	<10	<1	0.13	10	0.55	252	1	0.01	10	40	19	1.54	<2	<1
1127041069		1.84	<10	<1	0.12	<10	1.00	981	<1	0.02	6	400	22	1.94	<2	<1
1230002057		2.32	<10	<1	0.22	10	0.43	244	1	0.02	12	80	12	2.51	8	<1
1126004054		2.22	<10	<1	0.19	20	0.92	798	1	0.04	7	560	21	1.21	<2	1
1230002002		2.10	<10	<1	0.22	10	0.61	325	1	0.02	11	110	993	2.00	2	1
1127041295		1.85	<10	<1	0.17	10	0.82	1060	1	0.05	10	480	39	1.55	<2	1
1230002003		1.98	<10	<1	0.14	10	0.43	243	1	0.01	12	80	59	1.96	<2	<1
1127041019		2.09	<10	<1	0.18	10	1.08	1185	1	0.04	8	440	34	1.93	<2	1
1126005010		1.67	<10	<1	0.25	10	0.75	465	1	0.08	13	460	7	0.76	<2	1
1126004067		1.75	<10	<1	0.17	10	0.64	418	<1	0.04	9	410	5	0.29	<2	1
1126004150		1.63	<10	1	0.20	10	0.68	420	<1	0.13	9	380	9	0.62	<2	1
1126010001		1.38	<10	<1	0.19	10	0.72	448	<1	0.09	8	420	13	0.51	<2	1
1230003097		2.26	<10	<1	0.19	20	0.62	464	1	0.08	15	530	31	1.85	<2	1
1127041193		2.14	<10	<1	0.26	10	0.54	777	1	0.03	11	480	76	2.11	<2	1
1127041050		2.83	<10	<1	0.19	20	0.98	1140	1	0.06	16	540	54	2.54	<2	1
V829068		1.73	<10	<1	0.18	10	0.38	191	25	0.14	10	620	9	0.06	<2	2
1126007035		1.55	<10	<1	0.13	10	0.74	529	1	0.03	8	380	16	1.05	<2	1
1126013064		1.85	<10	<1	0.21	10	0.67	375	<1	0.06	8	540	<2	0.31	<2	1
1126007040		1.67	<10	<1	0.14	10	0.81	590	<1	0.04	7	370	18	1.33	<2	1
1126013063		1.76	<10	<1	0.22	20	0.85	460	1	0.05	11	680	<2	0.25	<2	2
1126007092		1.70	<10	<1	0.20	10	0.90	568	1	0.05	7	350	19	1.24	<2	1
1126014113		1.66	<10	<1	0.25	10	0.86	824	1	0.02	6	420	174	1.51	<2	1

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Project: Mine Site Lab Pulps April 2018

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1127042149		35	<20	<0.01	<10	<10	5	<10	411	0.23	1.89	29	8.7	-30	59.1	0.49
1230003195		53	<20	<0.01	<10	<10	5	<10	221	0.21	2.64	26	8.5	-57	82.5	0.32
1127042025		40	<20	0.01	<10	<10	5	<10	292	0.28	2.00	30	8.6	-33	62.5	0.48
1126004165		36	<20	<0.01	<10	<10	6	<10	355	0.57	0.92	54	9.1	25	28.8	1.88
1126005018		59	<20	<0.01	<10	<10	13	<10	47	0.71	0.14	60	9.4	56	4.4	13.71
1126004099		77	<20	<0.01	<10	<10	7	<10	58	0.31	0.61	36	9.2	17	19.1	1.89
1230003120		102	<20	<0.01	<10	<10	6	<10	78	0.15	1.14	16	8.8	-20	35.6	0.45
1126010188		54	<20	<0.01	<10	<10	6	<10	90	0.71	1.16	62	9.2	26	36.3	1.71
1126010143		43	<20	<0.01	<10	<10	5	<10	96	0.75	1.45	65	9.2	20	45.3	1.43
1230003198		66	<20	<0.01	<10	<10	14	<10	726	0.56	2.78	50	8.7	-37	86.9	0.58
1126010140		68	<20	<0.01	<10	<10	5	<10	118	0.89	1.15	75	9.3	39	35.9	2.09
1230003170		113	<20	<0.01	<10	<10	4	<10	139	0.16	1.06	16	8.8	-17	33.1	0.48
1127042001		58	<20	<0.01	<10	<10	3	<10	48	0.54	1.33	44	8.8	2	41.6	1.06
1126010161		31	<20	0.01	<10	<10	7	<10	57	0.48	0.45	42	9.3	28	14.1	2.99
V829067		18	<20	0.37	<10	<10	58	<10	60	0.03						
1126004060		59	<20	0.02	<10	<10	14	<10	59	0.31	0.84	33	8.7	7	26.3	1.26
1230002037		12	<20	<0.01	<10	<10	3	<10	484	0.03	1.80	4	7.7	-52	56.3	0.07
1127041001		27	<20	<0.01	<10	<10	4	<10	128	0.73	3.41	59	8.8	-48	106.6	0.55
1230002076		10	<20	<0.01	<10	<10	4	<10	412	0.03	1.50	3	7.8	-44	46.9	0.06
1127041069		28	<20	<0.01	<10	<10	3	<10	133	1.03	2.05	78	9.1	14	64.1	1.22
1230002057		21	<20	<0.01	<10	<10	4	<10	937	0.13	2.52	5	7.9	-74	78.8	0.06
1126004054		36	<20	<0.01	<10	<10	10	<10	164	0.70	1.17	61	8.7	24	36.6	1.67
1230002002		24	<20	<0.01	<10	<10	7	<10	2250	0.31	2.11	25	8.5	-41	65.9	0.38
1127041295		32	<20	<0.01	<10	<10	6	<10	195	0.74	1.61	65	9.0	15	50.3	1.29
1230002003		14	<20	<0.01	<10	<10	5	<10	830	0.07	1.89	5	8.0	-54	59.1	0.08
1127041019		46	<20	<0.01	<10	<10	5	<10	160	0.99	1.81	78	9.0	21	56.6	1.38
1126005010		46	<20	0.02	<10	<10	13	10	43	0.41	0.77	39	9.0	15	24.1	1.62
1126004067		32	<20	0.02	<10	<10	16	<10	165	0.54	0.32	46	9.2	36	10.0	4.60
1126004150		57	<20	<0.01	<10	<10	10	<10	73	0.24	0.64	30	9.0	10	20.0	1.50
1126010001		30	<20	<0.01	<10	<10	7	<10	107	0.36	0.52	34	9.2	18	16.3	2.09
1230003097		66	<20	<0.01	<10	<10	8	<10	182	0.10	1.83	13	8.4	-44	57.2	0.23
1127041193		20	<20	<0.01	<10	<10	5	<10	242	0.40	2.05	35	8.8	-29	64.1	0.55
1127041050		40	<20	<0.01	<10	<10	8	<10	326	0.86	2.48	72	9.1	-6	77.5	0.93
V829068		23	<20	0.25	<10	<10	53	<10	35	0.03						
1126007035		46	<20	<0.01	<10	<10	4	<10	158	1.03	1.05	70	9.0	37	32.8	2.13
1126013064		50	<20	0.01	<10	<10	16	<10	172	0.56	0.31	51	9.5	41	9.7	5.26
1126007040		51	<20	<0.01	<10	<10	4	<10	365	0.94	1.27	73	9.0	33	39.7	1.84
1126013063		82	<20	0.02	<10	<10	16	<10	62	0.78	0.23	65	9.4	58	7.2	9.04
1126007092		79	<20	<0.01	<10	<10	5	<10	165	0.92	1.17	73	9.2	36	36.6	2.00
1126014113		33	<20	<0.01	<10	<10	6	<10	363	0.48	1.40	45	9.0	1	43.8	1.03

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1127042149		2
1230003195		2
1127042025		2
1126004165		2
1126005018		2
1126004099		2
1230003120		1
1126010188		2
1126010143		2
1230003198		2
1126010140		2
1230003170		1
1127042001		2
1126010161		2
V829067		
1126004060		2
1230002037		1
1127041001		2
1230002076		1
1127041069		2
1230002057		1
1126004054		2
1230002002		2
1127041295		2
1230002003		1
1127041019		2
1126005010		2
1126004067		2
1126004150		2
1126010001		2
1230003097		1
1127041193		2
1127041050		2
V829068		
1126007035		2
1126013064		2
1126007040		2
1126013063		2
1126007092		2
1126014113		2

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CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1126014050		0.56		1.620	2.2	1.35	88	<10	30	<0.5	<2	1.44	11.4	10	135	210
1126007088		0.52		0.193	1.1	1.39	73	<10	30	<0.5	<2	1.42	2.3	10	114	46
1126007125		0.57		1.125	1.9	0.93	129	<10	30	<0.5	<2	1.32	2.8	9	96	54
1126007145		0.46		0.114	0.7	1.60	222	<10	40	<0.5	<2	1.23	<0.5	8	110	37
1126014073		0.37		0.363	1.3	0.94	50	<10	20	<0.5	<2	1.74	3.7	6	181	58
1126007003		0.48		0.029	0.5	1.94	23	<10	40	<0.5	<2	1.48	<0.5	8	176	13
1126015147		0.53		3.92	8.1	0.95	97	<10	20	<0.5	<2	1.46	23.1	9	165	185
1126007321		0.49		0.454	1.8	1.16	110	<10	40	<0.5	<2	2.70	1.0	9	93	31
1126013015		0.47		0.064	0.3	1.38	5	<10	60	<0.5	<2	2.16	<0.5	11	192	33
1126007010		0.54		0.029	0.6	1.59	35	10	40	<0.5	<2	1.99	<0.5	7	88	14
1126007062		0.46		0.087	0.8	1.14	140	<10	40	<0.5	<2	1.87	<0.5	6	97	10
1126013040		0.57		0.032	0.4	1.28	6	<10	60	<0.5	<2	1.79	<0.5	6	155	102
1126007030		0.57		0.107	0.5	1.78	41	<10	40	<0.5	<2	1.27	<0.5	8	113	15
1126007082		0.48		0.028	0.4	1.48	39	<10	40	<0.5	<2	3.02	<0.5	6	83	8
1126007346		0.52		1.010	1.8	0.58	144	<10	40	<0.5	<2	1.17	1.8	9	115	36
1126007362		0.58		1.390	3.8	0.49	117	<10	30	<0.5	<2	2.68	2.6	24	133	57
V829069		0.06		6.81	5.3	0.86	<2	<10	50	<0.5	<2	0.54	<0.5	6	10	40
1126015002		0.49		1.620	1.7	1.11	98	<10	20	<0.5	<2	1.07	7.6	7	23	83
1126011104		0.48		0.085	0.3	1.07	7	<10	40	<0.5	<2	1.41	<0.5	7	35	32
1126015003		0.52		1.225	3.2	1.49	37	<10	30	<0.5	<2	1.77	9.8	7	72	175
1130101103		0.44		0.019	0.3	3.99	8	<10	60	<0.5	<2	6.01	0.7	40	113	111
1126015080		0.47		2.88	4.0	1.49	107	<10	30	<0.5	<2	0.31	5.1	7	140	119
1126012051		0.50		0.016	<0.2	1.26	4	<10	70	<0.5	<2	1.78	<0.5	8	165	16
1126012094		0.47		0.034	0.2	1.42	10	<10	60	<0.5	<2	1.56	<0.5	9	127	21
1126012077		0.45		0.090	0.4	1.39	9	<10	60	<0.5	<2	1.58	<0.5	9	161	48
1126015108		0.50		1.810	1.4	1.61	110	<10	30	<0.5	<2	1.10	4.2	10	104	61
1130101110		0.49		0.359	1.6	3.38	36	<10	50	<0.5	3	4.24	1.4	42	112	187
1126012106		0.50		0.057	0.2	1.40	4	<10	100	<0.5	<2	1.53	<0.5	9	129	31
1126012081		0.51		0.039	<0.2	1.55	4	<10	100	<0.5	<2	1.19	<0.5	7	160	24
1130101034		0.50		0.026	0.5	3.94	13	<10	90	<0.5	3	6.09	1.4	37	110	101
1126015011		0.48		0.583	1.0	1.48	39	<10	50	<0.5	<2	1.22	9.4	7	93	50
1126012059		0.53		0.133	0.3	1.41	8	<10	50	<0.5	<2	1.18	<0.5	9	142	43
1130101038		0.48		2.64	23.6	3.84	73	<10	90	<0.5	<2	4.46	0.6	41	123	94
1126012066		0.48		0.254	0.7	1.29	12	<10	50	<0.5	<2	0.80	<0.5	12	160	54
1126012133		0.50		0.029	0.2	1.32	33	<10	30	<0.5	<2	2.15	<0.5	10	46	24
1126012086		0.50		0.023	<0.2	1.63	4	<10	120	<0.5	<2	1.85	<0.5	12	103	20
1130101047		0.50		0.078	0.8	4.02	25	<10	50	<0.5	2	4.68	1.3	48	84	129
1126012085		0.51		0.041	<0.2	1.38	3	<10	90	<0.5	<2	0.98	<0.5	10	121	23
1126013065		0.48		0.017	0.2	1.14	5	<10	50	<0.5	<2	1.84	<0.5	8	54	18
1126012006		0.60	88.7	0.036	0.2	1.25	5	<10	50	<0.5	<2	1.54	<0.5	9	155	23

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1126014050		2.56	<10	1	0.19	10	0.77	719	1	0.03	10	490	79	2.13	<2	1
1126007088		1.99	<10	<1	0.12	10	0.78	572	1	0.03	10	420	58	1.34	<2	1
1126007125		2.74	<10	<1	0.18	10	0.65	978	<1	0.03	10	590	224	2.40	<2	1
1126007145		2.21	<10	<1	0.18	10	0.75	570	1	0.04	9	500	20	1.14	<2	1
1126014073		1.77	<10	<1	0.20	10	0.74	869	1	0.02	6	370	109	1.40	<2	1
1126007003		1.83	<10	<1	0.18	10	0.78	481	<1	0.13	10	380	9	0.53	<2	1
1126015147		2.91	<10	1	0.17	10	0.73	944	1	0.02	13	460	491	2.84	3	1
1126007321		2.46	<10	<1	0.21	20	0.93	1005	<1	0.03	8	650	166	2.01	<2	1
1126013015		2.31	<10	<1	0.16	20	0.93	471	1	0.05	21	540	2	0.53	<2	2
1126007010		1.65	<10	<1	0.22	10	0.81	517	<1	0.08	9	390	9	0.73	<2	1
1126007062		1.47	<10	<1	0.21	10	0.57	527	<1	0.05	8	370	11	0.80	<2	1
1126013040		2.08	<10	<1	0.21	10	0.74	406	2	0.06	12	420	4	0.27	<2	2
1126007030		1.57	<10	<1	0.21	10	0.66	436	<1	0.14	11	370	14	0.56	<2	1
1126007082		1.42	<10	<1	0.17	10	0.91	488	1	0.07	7	360	11	0.45	<2	1
1126007346		2.42	<10	<1	0.21	10	0.46	842	1	0.02	9	560	118	2.48	<2	1
1126007362		2.54	<10	<1	0.21	10	1.05	2490	1	0.02	24	430	235	2.39	<2	1
V829069		1.67	<10	<1	0.17	10	0.37	188	15	0.14	10	600	10	0.06	<2	2
1126015002		2.10	<10	<1	0.14	20	0.61	566	1	0.03	8	460	196	1.87	<2	<1
1126011104		2.06	<10	<1	0.11	10	0.58	267	1	0.05	7	400	<2	0.70	<2	1
1126015003		1.84	<10	1	0.27	20	1.02	1010	1	0.02	5	380	494	1.26	<2	1
1130101103		8.44	10	<1	0.35	10	2.05	1435	<1	0.12	67	600	2	0.66	3	16
1126015080		4.09	<10	<1	0.23	10	0.95	544	<1	0.02	10	350	161	3.57	2	<1
1126012051		1.99	10	<1	0.19	10	0.68	352	1	0.07	11	440	2	0.23	<2	1
1126012094		2.17	<10	<1	0.22	10	0.77	379	1	0.06	9	410	2	0.44	<2	1
1126012077		2.45	10	<1	0.18	10	0.74	391	2	0.07	11	390	2	0.69	<2	1
1126015108		2.32	<10	<1	0.20	20	0.82	567	1	0.03	9	560	215	1.89	<2	1
1130101110		7.65	10	1	0.28	<10	1.67	1395	1	0.17	62	540	11	2.08	<2	9
1126012106		2.22	10	<1	0.38	10	0.78	348	<1	0.07	13	390	3	0.47	<2	2
1126012081		2.38	10	<1	0.39	10	0.84	440	<1	0.07	12	420	4	0.35	<2	2
1130101034		7.79	10	<1	0.43	<10	1.79	1465	<1	0.12	63	610	9	0.82	4	13
1126015011		2.44	<10	<1	0.33	10	1.11	623	<1	0.01	13	480	29	1.63	2	1
1126012059		2.56	10	<1	0.15	10	0.74	397	1	0.06	10	410	2	0.85	<2	1
1130101038		8.64	10	<1	0.62	<10	2.02	1460	<1	0.10	71	590	9	1.72	3	16
1126012066		2.82	<10	<1	0.18	10	0.63	313	1	0.06	11	410	4	1.34	<2	1
1126012133		2.20	10	1	0.13	10	0.72	386	1	0.05	13	460	12	0.53	<2	1
1126012086		2.67	10	1	0.39	20	0.93	373	1	0.08	15	680	2	0.24	<2	2
1130101047		8.97	10	<1	0.35	<10	2.08	1715	1	0.24	71	590	10	2.02	3	14
1126012085		2.08	10	1	0.34	10	0.72	326	1	0.09	12	420	2	0.38	<2	2
1126013065		1.81	<10	1	0.16	10	0.67	396	1	0.05	10	600	3	0.21	<2	2
1126012006		2.34	10	<1	0.18	30	0.73	394	1	0.07	12	410	4	0.39	<2	2

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EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1126014050		26	<20	<0.01	<10	<10	8	<10	3220	0.40	2.08	39	8.8	-26	65.0	0.60
1126007088		23	<20	<0.01	<10	<10	5	<10	593	0.48	1.26	42	8.8	3	39.4	1.07
1126007125		19	<20	<0.01	<10	<10	5	<10	683	0.59	2.30	49	8.8	-23	71.9	0.68
1126007145		25	<20	<0.01	<10	<10	8	<10	167	0.45	1.07	39	9.0	6	33.4	1.17
1126014073		32	<20	<0.01	<10	<10	5	<10	973	0.60	1.33	52	8.9	10	41.6	1.25
1126007003		58	<20	0.01	<10	<10	9	<10	64	0.37	0.47	35	9.2	20	14.7	2.38
1126015147		23	<20	<0.01	<10	<10	5	<10	5670	0.61	2.79	50	8.8	-37	87.2	0.57
1126007321		34	<20	<0.01	<10	<10	7	<10	262	1.09	1.97	92	8.9	30	61.6	1.49
1126013015		49	<20	0.01	<10	<10	18	<10	60	0.68	0.49	60	9.2	45	15.3	3.92
1126007010		42	<20	<0.01	<10	<10	6	<10	63	0.56	0.67	49	9.2	28	20.9	2.34
1126007062		35	<20	<0.01	<10	<10	4	<10	73	0.62	0.74	50	9.2	27	23.1	2.16
1126013040		29	<20	0.03	<10	<10	19	<10	79	0.54	0.24	50	9.6	43	7.5	6.67
1126007030		54	<20	0.01	<10	<10	9	<10	72	0.28	0.52	28	9.4	12	16.3	1.72
1126007082		83	<20	<0.01	<10	<10	6	<10	53	0.96	0.43	80	9.3	67	13.4	5.95
1126007346		17	<20	<0.01	<10	<10	4	<10	376	0.59	2.40	48	8.9	-27	75.0	0.64
1126007362		22	<20	<0.01	<10	<10	3	<10	673	1.50	2.34	117	9.1	44	73.1	1.60
V829069		22	<20	0.24	<10	<10	51	<10	35	0.03						
1126015002		26	<20	<0.01	<10	<10	5	<10	2140	0.30	1.90	28	8.6	-31	59.4	0.47
1126011104		26	<20	0.01	<10	<10	13	<10	28	0.45	0.67	41	9.4	20	20.9	1.96
1126015003		39	<20	0.01	<10	<10	7	<10	2540	0.53	1.22	50	9.1	12	38.1	1.31
1130101103		81	<20	0.12	<10	<10	211	<10	202	2.21	0.61	220	8.8	201	19.1	11.54
1126015080		12	<20	<0.01	<10	<10	6	<10	1335	0.09	3.45	11	8.4	-97	107.8	0.10
1126012051		36	<20	0.02	<10	<10	18	<10	54	0.51	0.21	48	9.6	41	6.6	7.31
1126012094		30	<20	0.02	<10	<10	18	<10	55	0.45	0.42	43	9.5	30	13.1	3.28
1126012077		31	<20	0.02	<10	<10	17	<10	57	0.47	0.67	46	9.2	25	20.9	2.20
1126015108		28	<20	<0.01	<10	<10	7	<10	1045	0.27	1.88	28	8.7	-31	58.8	0.48
1130101110		85	<20	0.08	<10	<10	155	<10	345	1.67	2.17	171	8.5	103	67.8	2.52
1126012106		31	<20	0.06	<10	<10	22	<10	47	0.44	0.46	47	9.6	33	14.4	3.27
1126012081		28	<20	0.07	<10	<10	22	<10	61	0.32	0.34	36	9.6	25	10.6	3.39
1130101034		80	<20	0.11	<10	<10	187	<10	315	2.08	0.78	206	8.6	182	24.4	8.45
1126015011		39	<20	0.02	<10	<10	12	<10	2410	0.35	1.50	36	9.0	-11	46.9	0.77
1126012059		26	<20	0.01	<10	<10	16	<10	59	0.35	0.77	34	9.0	10	24.1	1.41
1130101038		57	<20	0.13	<10	<10	204	<10	252	1.66	1.69	183	8.7	130	52.8	3.47
1126012066		23	<20	0.02	<10	<10	16	<10	38	0.22	1.30	24	8.8	-17	40.6	0.59
1126012133		33	<20	0.01	<10	<10	16	<10	77	0.61	0.48	53	9.2	38	15.0	3.53
1126012086		56	<20	0.08	<10	<10	43	<10	52	0.46	0.21	49	9.5	42	6.6	7.47
1130101047		95	<20	0.09	<10	<10	213	<10	300	1.83	2.05	204	8.4	140	64.1	3.18
1126012085		32	<20	0.06	<10	<10	25	<10	38	0.23	0.35	29	9.5	18	10.9	2.65
1126013065		60	<20	0.02	<10	<10	19	<10	92	0.52	0.20	49	9.6	43	6.3	7.84
1126012006		32	<20	0.03	<10	<10	21	<10	42	0.47	0.34	46	9.3	35	10.6	4.33

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1126014050		2
1126007088		2
1126007125		2
1126007145		2
1126014073		2
1126007003		2
1126015147		2
1126007321		3
1126013015		2
1126007010		2
1126007062		2
1126013040		2
1126007030		2
1126007082		2
1126007346		2
1126007362		3
V829069		
1126015002		2
1126011104		2
1126015003		2
1130101103		3
1126015080		1
1126012051		2
1126012094		2
1126012077		2
1126015108		2
1130101110		3
1126012106		2
1126012081		2
1130101034		3
1126015011		2
1126012059		2
1130101038		3
1126012066		2
1126012133		2
1126012086		2
1130101047		3
1126012085		2
1126013065		2
1126012006		2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	WEI-21	LOG-QC	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Pass75um	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	%	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.01	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
V829070		0.06		0.195	1.4	0.86	2	<10	40	<0.5	<2	0.45	<0.5	10	12	54
1230004076		0.55		0.176	1.8	1.47	23	<10	40	<0.5	<2	1.12	0.6	10	168	94
1230003062		0.50		0.443	5.0	1.58	40	<10	40	<0.5	<2	1.27	1.7	9	96	48
1230003024		0.53		0.061	1.4	1.21	30	<10	30	<0.5	<2	0.77	0.7	11	120	38
1126011032		0.43		0.179	0.4	1.12	4	<10	60	<0.5	<2	2.37	<0.5	10	221	82
1126011001		0.53		0.108	0.3	1.12	8	<10	30	<0.5	<2	1.64	<0.5	12	119	17
1230004064		0.54		0.339	5.0	0.85	34	<10	40	<0.5	2	2.14	5.1	9	99	106
1230004058		0.54		0.110	1.1	1.30	48	<10	40	<0.5	<2	2.09	0.7	9	90	29
1126011131		0.49		0.119	0.7	1.12	6	<10	30	<0.5	<2	1.71	<0.5	8	41	45
1230004050		0.57		0.288	5.2	0.96	41	<10	40	<0.5	<2	2.27	1.9	8	102	98
1230003702		0.55		0.106	2.1	2.05	26	<10	40	<0.5	<2	1.35	<0.5	8	103	23
1126011149		0.54		0.243	0.5	1.24	8	<10	50	<0.5	2	0.75	<0.5	11	181	40
1230004037		0.54		0.099	1.0	1.02	38	<10	40	<0.5	<2	2.23	<0.5	7	87	28
1230003305		0.43		0.057	0.6	1.26	17	<10	30	<0.5	<2	1.08	1.1	7	123	35
1126011118		0.46		0.020	0.2	1.16	2	<10	40	<0.5	<2	1.18	<0.5	8	42	27
1126011119		0.50		0.066	0.2	1.28	7	<10	50	<0.5	<2	0.97	<0.5	9	152	42
1126015053		0.53		1.280	0.7	1.97	52	<10	30	<0.5	<2	0.67	3.0	9	45	48
1126015109		0.52		0.694	1.2	1.74	56	<10	30	<0.5	<2	1.52	1.5	8	75	50
V829071		0.06		6.71	5.0	0.84	<2	<10	50	<0.5	<2	0.54	<0.5	7	10	41

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
V829070		2.57	<10	<1	0.20	10	0.36	259	4	0.15	11	540	20	0.05	<2	2
1230004076		2.14	<10	<1	0.15	20	0.85	607	4	0.11	12	490	19	1.91	<2	1
1230003062		2.54	<10	<1	0.21	10	0.61	549	1	0.04	14	490	43	2.73	<2	1
1230003024		1.59	<10	1	0.18	10	0.29	736	1	0.08	13	570	75	1.54	<2	1
1126011032		2.49	<10	<1	0.14	10	0.72	360	1	0.07	13	410	<2	0.61	<2	1
1126011001		2.32	<10	<1	0.08	10	0.75	309	<1	0.05	16	410	2	0.77	<2	2
1230004064		2.26	<10	<1	0.20	20	0.86	1370	<1	0.05	10	540	57	2.44	<2	1
1230004058		1.94	<10	1	0.17	20	0.89	970	<1	0.07	9	590	22	1.52	<2	1
1126011131		2.17	<10	1	0.11	10	0.64	341	1	0.05	8	420	2	0.79	<2	1
1230004050		1.99	<10	<1	0.18	10	0.87	1430	1	0.05	10	500	89	2.04	2	1
1230003702		2.10	10	<1	0.17	20	0.61	558	1	0.08	9	510	24	1.58	<2	1
1126011149		2.86	10	1	0.19	10	0.73	279	1	0.06	15	380	3	1.33	<2	2
1230004037		1.89	<10	<1	0.18	20	0.83	1130	<1	0.06	10	480	26	1.73	<2	1
1230003305		2.09	<10	1	0.13	20	0.52	470	1	0.09	9	480	15	2.25	2	1
1126011118		1.86	10	1	0.14	10	0.64	325	<1	0.06	10	410	3	0.28	<2	2
1126011119		2.35	10	<1	0.19	10	0.69	303	1	0.07	9	410	<2	0.72	<2	2
1126015053		2.30	10	<1	0.17	20	0.80	612	<1	0.04	9	620	73	1.22	<2	1
1126015109		1.97	<10	<1	0.19	10	0.88	717	<1	0.04	10	440	158	1.11	<2	1
V829071		1.73	<10	<1	0.18	10	0.37	185	16	0.13	10	590	9	0.07	<2	2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
V829070		19	<20	0.39	<10	<10	59	<10	62	0.02						
1230004076		43	<20	0.01	<10	<10	8	<10	159	0.28	1.77	27	8.6	-28	55.3	0.49
1230003062		30	<20	0.01	<10	<10	6	<10	450	0.23	2.48	26	8.2	-52	77.5	0.34
1230003024		51	<20	<0.01	<10	<10	5	<10	255	0.15	1.39	13	8.5	-30	43.4	0.30
1126011032		62	<20	<0.01	<10	<10	11	10	29	0.91	0.56	69	9.1	52	17.5	3.94
1126011001		33	<20	0.01	<10	<10	22	<10	33	0.55	0.75	48	9.2	25	23.4	2.05
1230004064		35	<20	<0.01	<10	<10	4	<10	1330	0.87	2.37	74	8.7	0	74.1	1.00
1230004058		41	<20	<0.01	<10	<10	6	<10	182	0.66	1.43	59	9.0	14	44.7	1.32
1126011131		28	<20	<0.01	<10	<10	11	<10	38	0.49	0.78	44	9.2	20	24.4	1.81
1230004050		35	<20	<0.01	<10	<10	5	<10	496	0.87	1.94	74	8.8	13	60.6	1.22
1230003702		78	<20	<0.01	<10	<10	7	<10	136	0.19	1.40	24	8.7	-20	43.8	0.55
1126011149		20	<20	0.03	<10	<10	19	10	43	0.21	1.35	26	8.8	-16	42.2	0.62
1230004037		37	<20	<0.01	<10	<10	6	<10	127	0.86	1.73	72	8.9	18	54.1	1.33
1230003305		50	<20	<0.01	<10	<10	6	<10	263	0.27	2.28	26	8.7	-45	71.3	0.36
1126011118		28	<20	0.04	<10	<10	22	<10	38	0.31	0.27	33	9.5	25	8.4	3.91
1126011119		23	<20	0.03	<10	<10	21	<10	32	0.25	0.68	30	9.4	9	21.3	1.41
1126015053		30	<20	<0.01	<10	<10	9	<10	846	0.11	1.14	16	8.9	-20	35.6	0.45
1126015109		31	<20	<0.01	<10	<10	8	<10	384	0.33	1.05	34	8.9	1	32.8	1.04
V829071		22	<20	0.24	<10	<10	49	<10	35	0.03						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
V829070		
1230004076		2
1230003062		2
1230003024		1
1126011032		2
1126011001		2
1230004064		2
1230004058		2
1126011131		2
1230004050		2
1230003702		2
1126011149		2
1230004037		2
1230003305		2
1126011118		2
1126011119		2
1126015053		1
1126015109		2
V829071		

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

CERTIFICATE OF ANALYSIS TB18114640

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method: LOG-23 LOG-QC WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Au-AA23 C-IR07 ME-ICP41 OA-ELE07 OA-VOL08 S-IR08

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

CERTIFICATE TB18114668

Project: Mine Site Lab Pulps 2017 Backl

P.O. No.: 4500009909

This report is for 154 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 17-MAY-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1131051010		0.54	90.0	0.076	0.3	2.11	13	<10	50	<0.5	<2	2.13	<0.5	25	312	57
2138012365		0.52		0.007	<0.2	1.53	5	<10	140	<0.5	<2	1.67	<0.5	11	220	19
1131052111		0.54		0.218	3.1	0.91	23	<10	30	<0.5	<2	0.75	0.6	8	240	31
1131052281		0.43		0.463	2.4	0.91	42	<10	50	<0.5	<2	0.09	1.6	9	236	28
1131052609		0.55		0.280	2.6	0.82	49	<10	40	<0.5	<2	0.15	1.0	9	253	37
1131051508		0.50		0.083	0.4	2.07	13	<10	20	<0.5	<2	3.12	<0.5	25	316	74
1129024037		0.88		8.70	2.1	1.22	64	<10	30	<0.5	<2	0.67	31.7	6	172	135
1131052319		0.48		0.197	5.0	0.86	40	<10	40	<0.5	<2	0.93	1.8	9	204	118
1128007246		0.47		0.038	0.4	1.41	13	<10	60	<0.5	<2	1.40	1.4	9	174	26
1128007202		0.54		0.051	0.3	1.29	8	<10	60	<0.5	<2	0.84	<0.5	9	212	35
1131052156		0.51		0.064	1.6	0.71	23	<10	30	<0.5	<2	0.62	0.7	6	190	34
1128017018		Not Recvd														
1128017029		0.57		0.184	2.1	3.49	25	<10	90	<0.5	2	3.34	0.8	49	128	110
1128015026		Not Recvd														
1128170172		Not Recvd														
1128015184		0.52		1.900	3.9	1.41	86	<10	50	<0.5	<2	0.55	4.0	7	101	26
1130056034		0.48		0.244	1.2	0.63	55	<10	40	<0.5	<2	1.48	0.9	8	187	29
V829054		0.06		NSS	6.7	0.78	411	<10	40	<0.5	2	1.18	1.1	7	13	284
1129025108		0.61		0.064	0.5	3.64	8	<10	170	<0.5	<2	2.76	1.5	36	204	99
1128015310		0.51		1.460	6.2	1.55	57	<10	20	<0.5	<2	1.49	11.2	6	171	172
1131063119		0.49		0.117	0.7	1.46	32	10	40	<0.5	<2	0.97	0.6	7	176	23
1129027235		0.48		0.009	<0.2	1.08	3	<10	50	<0.5	<2	1.53	<0.5	6	226	9
1130056210		0.46		0.246	1.7	0.82	31	<10	40	<0.5	4	0.14	<0.5	10	402	27
1128012248		0.65		0.052	0.4	1.07	5	<10	60	<0.5	<2	1.68	<0.5	8	187	19
1128015094		0.48		1.060	1.6	1.17	63	<10	30	<0.5	<2	2.25	3.1	7	155	82
1128015100		0.46		0.944	1.3	1.77	38	<10	120	<0.5	<2	2.58	4.6	14	136	58
1129029001		0.51		1.205	2.0	0.91	90	<10	30	<0.5	<2	0.18	7.8	7	193	52
1128015122		0.50		0.090	0.4	1.67	46	<10	50	<0.5	<2	1.76	1.5	7	149	12
1128012136		0.59		0.224	2.7	3.18	39	<10	70	<0.5	<2	3.06	5.5	38	140	177
1128017058		0.40		1.080	2.0	1.21	67	<10	40	<0.5	<2	1.40	0.6	9	133	25
1128015312		0.37		0.151	0.7	1.56	38	<10	50	<0.5	<2	1.69	0.9	7	87	30
1128009374		0.63		0.174	1.3	3.06	18	<10	100	<0.5	2	2.71	3.0	42	146	137
1129029073		0.44		0.663	0.9	1.46	82	<10	40	<0.5	2	0.30	<0.5	9	132	43
1129026040		0.56		0.008	0.2	0.98	3	<10	40	<0.5	<2	1.39	<0.5	5	260	23
1128011076		0.61		0.027	0.2	1.11	10	<10	60	<0.5	<2	1.24	<0.5	9	260	27
1128012223		0.57		<0.005	<0.2	1.70	2	<10	100	<0.5	<2	2.04	<0.5	13	172	6
1129029032		0.48		0.557	0.9	1.01	128	<10	40	<0.5	<2	0.35	<0.5	8	228	29
1131063103		0.52		0.113	0.8	0.82	63	<10	40	<0.5	<2	0.28	<0.5	7	143	21
1129029043		0.46		0.256	0.8	1.14	98	<10	40	<0.5	<2	0.38	<0.5	7	191	15
V829055		0.06		0.192	1.5	0.79	<2	<10	40	<0.5	<2	0.41	<0.5	10	11	53

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
1131051010		3.94	10	<1	0.23	20	1.87	723	1	0.04	77	460	9	0.72	<2	9
2138012365		2.14	10	<1	0.59	20	0.79	389	1	0.08	30	710	5	0.22	2	3
1131052111		1.91	<10	<1	0.21	10	0.49	1105	1	0.02	13	450	22	1.78	<2	1
1131052281		2.20	<10	<1	0.23	10	0.29	61	1	0.05	12	80	74	2.30	2	<1
1131052609		1.89	<10	<1	0.17	10	0.38	69	1	0.04	12	40	22	1.70	<2	<1
1131051508		3.56	10	<1	0.11	10	1.76	627	1	0.03	71	390	4	0.79	<2	6
1129024037		2.33	<10	1	0.22	10	0.84	725	1	0.02	9	380	154	2.05	<2	<1
1131052319		2.03	<10	<1	0.18	10	0.68	1175	1	0.05	19	450	135	1.93	<2	1
1128007246		1.88	<10	<1	0.38	10	0.68	402	1	0.09	12	400	<2	0.57	<2	1
1128007202		2.00	10	<1	0.41	10	0.66	393	1	0.07	10	390	3	0.37	<2	1
1131052156		1.54	<10	<1	0.15	10	0.43	1115	2	0.03	12	280	84	1.33	<2	<1
1128017018																
1128017029		11.10	10	<1	0.44	<10	1.35	1555	1	0.17	69	700	6	3.45	<2	11
1128015026																
1128170172																
1128015184		2.49	<10	<1	0.30	10	0.77	504	1	0.03	11	370	72	2.23	<2	1
1130056034		2.23	<10	1	0.27	10	0.71	1200	1	0.03	12	470	52	2.37	2	1
V829054		4.24	<10	<1	0.25	10	0.28	475	3	0.02	9	160	18	3.36	3	2
1129025108		6.34	10	<1	0.59	<10	1.14	835	1	0.22	54	750	6	1.04	<2	8
1128015310		2.12	<10	<1	0.24	10	1.00	676	1	0.03	8	380	257	1.64	3	1
1131063119		1.77	<10	<1	0.24	10	0.67	471	1	0.09	8	380	98	1.46	<2	1
1129027235		1.73	<10	<1	0.19	20	0.45	305	1	0.07	7	460	3	0.08	<2	1
1130056210		2.36	<10	<1	0.18	10	0.27	112	2	0.05	17	350	134	2.34	<2	<1
1128012248		1.59	<10	<1	0.22	20	0.58	466	1	0.05	12	410	2	0.26	<2	1
1128015094		1.72	<10	<1	0.29	10	0.80	1230	<1	0.02	8	360	283	1.18	4	1
1128015100		2.38	<10	<1	0.51	20	1.48	1010	1	0.02	32	730	343	1.11	2	3
1129029001		2.31	<10	1	0.25	10	0.50	814	1	0.01	9	420	18	1.89	<2	<1
1128015122		1.73	<10	<1	0.25	10	0.84	516	<1	0.05	9	360	31	0.88	<2	1
1128012136		8.98	10	<1	0.33	10	1.49	1585	1	0.11	62	780	6	2.48	<2	12
1128017058		2.58	<10	<1	0.31	10	0.62	656	1	0.05	13	470	68	2.55	3	1
1128015312		1.57	<10	1	0.45	10	0.80	845	1	0.03	8	380	43	1.07	<2	1
1128009374		10.30	10	<1	0.31	10	1.30	1440	1	0.16	65	770	5	2.83	<2	12
1129029073		2.39	<10	<1	0.31	10	0.87	483	1	0.01	13	430	21	1.48	<2	1
1129026040		1.64	<10	<1	0.13	20	0.44	410	1	0.06	7	480	8	0.16	<2	1
1128011076		1.98	<10	<1	0.30	10	0.62	398	2	0.06	12	420	2	0.50	<2	1
1128012223		2.22	10	<1	0.32	10	1.00	483	<1	0.08	30	430	5	0.02	<2	3
1129029032		2.80	<10	<1	0.27	20	0.52	337	2	0.01	13	420	28	2.31	<2	1
1131063103		1.87	<10	<1	0.26	20	0.37	742	1	0.02	11	520	47	1.83	<2	<1
1129029043		2.49	<10	<1	0.28	10	0.63	404	1	0.01	12	420	26	1.82	<2	1
V829055		2.45	<10	<1	0.19	10	0.35	249	4	0.14	11	520	22	0.04	2	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1131051010		72	<20	0.06	<10	<10	69	<10	108	0.66	0.69	58	9.0	36	21.6	2.69
2138012365		90	<20	0.08	<10	<10	29	<10	49	0.40	0.19	41	9.7	35	5.9	6.91
1131052111		20	<20	<0.01	<10	<10	5	<10	140	0.36	1.66	29	8.9	-23	51.9	0.56
1131052281		21	<20	<0.01	<10	<10	5	<10	496	0.02	2.12	4	7.5	-62	66.3	0.06
1131052609		20	<20	<0.01	<10	<10	5	<10	270	0.06	1.68	6	8.6	-47	52.5	0.11
1131051508		49	<20	0.02	<10	<10	55	<10	54	0.97	0.73	83	9.3	60	22.8	3.64
1129024037		18	<20	0.01	<10	<10	6	<10	7650	0.18	2.06	23	8.6	-41	64.4	0.36
1131052319		21	<20	<0.01	<10	<10	4	10	457	0.45	1.85	38	8.9	-20	57.8	0.66
1128007246		34	<20	0.04	<10	<10	14	<10	397	0.39	0.55	41	9.5	24	17.2	2.39
1128007202		25	<20	0.05	<10	<10	18	<10	194	0.23	0.30	28	9.7	19	9.4	2.99
1131052156		20	<20	<0.01	<10	<10	4	<10	209	0.35	1.23	29	9.0	-9	38.4	0.75
1128017018																
1128017029		108	<20	0.15	<10	<10	259	20	276	0.97	3.42	160	8.8	53	106.9	1.50
1128015026																
1128170172																
1128015184		19	<20	<0.01	<10	<10	6	<10	1030	0.15	2.14	20	8.8	-47	66.9	0.30
1130056034		18	<20	<0.01	<10	<10	4	<10	232	0.85	2.24	67	9.0	-3	70.0	0.96
V829054		18	<20	0.01	<10	<10	7	<10	239	0.38						
1129025108		98	<20	0.19	<10	<10	159	10	487	0.58	1.03	105	8.8	73	32.2	3.26
1128015310		33	<20	0.01	<10	<10	7	<10	2740	0.39	1.67	44	9.0	-8	52.2	0.84
1131063119		26	<20	<0.01	<10	<10	7	<10	199	0.25	1.39	30	8.7	-13	43.4	0.69
1129027235		32	<20	0.03	<10	<10	14	<10	98	0.48	0.07	44	9.6	42	2.2	20.11
1130056210		21	<20	<0.01	<10	<10	5	<10	109	0.16	2.34	5	7.9	-68	73.1	0.07
1128012248		28	<20	0.03	<10	<10	14	<10	115	0.51	0.27	50	9.6	42	8.4	5.93
1128015094		36	<20	<0.01	<10	<10	5	<10	845	0.88	1.16	71	9.0	35	36.3	1.96
1128015100		128	<20	0.04	<10	<10	32	<10	1215	0.93	1.17	78	9.2	41	36.6	2.13
1129029001		7	<20	<0.01	<10	<10	5	<10	1960	0.08	1.96	10	8.6	-51	61.3	0.16
1128015122		33	<20	<0.01	<10	<10	6	<10	386	0.53	0.82	48	8.9	22	25.6	1.87
1128012136		104	<20	0.11	<10	<10	203	<10	1190	1.03	2.45	129	8.6	52	76.6	1.68
1128017058		30	<20	<0.01	<10	<10	7	<10	184	0.43	2.64	41	8.8	-42	82.5	0.50
1128015312		26	<20	0.01	<10	<10	7	<10	237	0.54	1.00	51	9.2	20	31.3	1.63
1128009374		69	<20	0.13	<10	<10	242	<10	861	0.84	2.97	129	8.8	36	92.8	1.39
1129029073		9	<20	<0.01	<10	<10	7	<10	90	0.10	1.49	13	9.1	-34	46.6	0.28
1129026040		34	<20	0.01	<10	<10	11	<10	133	0.49	0.17	42	9.6	37	5.3	7.91
1128011076		24	<20	0.04	<10	<10	18	<10	175	0.39	0.50	38	9.6	22	15.6	2.43
1128012223		75	<20	0.09	<10	<10	39	10	93	0.61	0.03	58	9.7	57	0.9	61.87
1129029032		7	<20	0.01	<10	<10	6	<10	62	0.09	2.37	13	8.6	-61	74.1	0.18
1131063103		10	<20	<0.01	<10	<10	4	<10	115	0.08	1.81	11	8.8	-46	56.6	0.19
1129029043		8	<20	0.01	<10	<10	7	<10	101	0.12	1.84	14	8.6	-44	57.5	0.24
V829055		18	<20	0.37	<10	<10	57	<10	59	0.02						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1131051010		2
2138012365		2
1131052111		2
1131052281		1
1131052609		1
1131051508		2
1129024037		2
1131052319		2
1128007246		2
1128007202		2
1131052156		2
1128017018		
1128017029		3
1128015026		
1128170172		
1128015184		2
1130056034		2
V829054		
1129025108		3
1128015310		2
1131063119		2
1129027235		2
1130056210		1
1128012248		2
1128015094		2
1128015100		2
1129029001		1
1128015122		2
1128012136		3
1128017058		2
1128015312		2
1128009374		3
1129029073		1
1129026040		2
1128011076		2
1128012223		2
1129029032		1
1131063103		1
1129029043		1
V829055		

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Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1131063084		0.49		0.070	0.5	1.49	30	<10	40	<0.5	<2	1.85	<0.5	6	88	24
1128012116		0.46		0.747	0.7	2.32	58	<10	40	<0.5	<2	1.04	0.8	8	163	30
1129029084		0.48		1.695	1.0	1.26	72	<10	40	<0.5	<2	0.46	0.7	10	124	11
1131052195		0.43		0.079	2.5	0.91	26	<10	30	<0.5	<2	0.16	0.7	9	328	45
1128013162		0.46		0.019	0.2	1.39	9	<10	70	<0.5	<2	1.53	<0.5	11	239	28
1130052221		0.44		0.204	0.9	1.04	50	<10	40	<0.5	<2	0.18	0.8	10	191	73
1130051019		0.49		0.085	1.5	0.59	171	<10	30	<0.5	<2	1.84	<0.5	8	181	23
1130052227		0.54		0.331	1.7	0.82	52	<10	30	<0.5	<2	0.32	2.2	10	246	58
1130051068		0.33		0.108	1.2	0.93	77	<10	40	<0.5	<2	2.21	0.8	7	152	18
1128015177		0.38	92.8	0.340	0.8	1.32	66	<10	40	<0.5	<2	1.81	2.3	6	101	28
1128006004		0.38		0.026	<0.2	1.37	3	<10	100	<0.5	<2	1.02	<0.5	7	184	18
1130050161		0.43		0.166	1.3	1.15	29	<10	30	<0.5	<2	0.25	0.9	9	149	37
1130050157		0.66		0.456	3.5	0.80	28	<10	30	<0.5	<2	0.08	0.5	8	162	25
1130052077		0.47		0.195	0.6	0.89	32	<10	30	<0.5	<2	0.90	0.9	10	305	37
1128016119		0.46		0.016	<0.2	1.12	3	<10	60	<0.5	<2	1.11	<0.5	8	305	16
1130050174		0.53		0.384	4.5	0.80	37	<10	40	<0.5	<2	0.07	2.0	10	159	87
1128013169		0.57		0.010	<0.2	1.15	3	<10	70	<0.5	<2	1.07	<0.5	9	202	16
1130052248		0.50		0.399	0.7	0.71	47	<10	30	<0.5	<2	1.40	1.3	7	182	38
1130048235		0.48		0.070	0.7	1.14	41	<10	40	<0.5	<2	2.19	<0.5	7	148	19
1128007101		0.52		0.128	0.5	1.29	16	<10	90	<0.5	<2	1.51	1.0	9	227	25
V829056		0.06		6.87	4.5	0.76	<2	<10	50	<0.5	<2	0.50	<0.5	7	10	38
1128015143		0.36		2.70	2.7	1.73	100	<10	50	<0.5	<2	1.58	8.7	7	92	93
1128015148		0.35		0.883	0.8	2.16	46	10	40	<0.5	<2	1.28	3.9	9	128	56
1128017061		0.60		0.080	0.7	3.34	8	<10	120	<0.5	<2	3.44	0.8	27	97	70
1128015156		0.48		0.111	0.4	1.61	39	<10	60	<0.5	<2	2.12	0.5	7	115	16
1128013194		0.48		0.011	<0.2	1.45	3	<10	70	<0.5	<2	1.36	<0.5	8	223	22
1128007215		0.51		0.136	0.8	1.41	15	<10	70	<0.5	<2	1.08	0.6	10	237	93
1128016080		0.57		0.028	<0.2	1.11	<2	<10	80	<0.5	<2	0.98	<0.5	9	402	31
1130050048		0.37		0.588	1.1	0.75	62	<10	30	<0.5	<2	0.20	3.5	10	207	68
1128016045		0.52		0.018	<0.2	1.09	5	<10	60	<0.5	<2	1.25	<0.5	8	305	14
1128013115		0.66		0.046	0.2	1.34	14	<10	160	<0.5	2	3.06	<0.5	14	216	41
1130050138		0.40		0.397	3.5	0.69	26	<10	40	<0.5	<2	0.22	1.7	9	267	78
1128016034		0.48		0.027	<0.2	1.23	5	<10	50	<0.5	<2	1.44	<0.5	7	257	13
1128008571		0.46		0.058	0.3	1.15	9	<10	60	<0.5	<2	2.22	1.8	6	175	46
1128015166		0.43		0.399	0.8	1.75	74	<10	60	<0.5	<2	2.01	0.9	9	73	34
1131063066		0.50		0.073	0.4	1.80	36	<10	40	<0.5	<2	1.47	0.7	9	163	38
1128017135		0.49		0.035	0.3	1.17	9	<10	70	<0.5	<2	1.94	1.7	8	223	22
1128016562		0.51		0.052	0.2	1.27	6	<10	40	<0.5	<2	1.44	<0.5	7	331	22
1130050105		0.55		0.221	1.9	0.82	41	<10	40	<0.5	<2	0.35	2.2	10	173	36
1128009101		0.43		0.044	0.6	3.82	10	<10	50	<0.5	3	4.77	3.8	35	155	112

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
1131063084		1.58	<10	<1	0.28	10	0.97	1000	<1	0.06	7	380	34	1.03	<2	1
1128012116		2.25	10	1	0.20	20	0.77	567	1	0.12	11	570	27	1.26	<2	1
1129029084		2.40	<10	<1	0.24	10	0.72	489	<1	0.02	15	440	23	1.71	<2	<1
1131052195		2.16	<10	<1	0.14	10	0.30	78	3	0.03	13	50	30	2.07	<2	<1
1128013162		2.01	10	<1	0.23	10	0.68	353	1	0.09	20	420	11	0.53	<2	2
1130052221		2.17	<10	<1	0.18	10	0.53	278	1	0.02	17	420	37	1.94	<2	<1
1130051019		1.87	<10	<1	0.18	10	0.79	832	1	0.06	12	370	7	1.47	<2	1
1130052227		2.20	<10	<1	0.19	10	0.34	702	2	0.03	14	430	117	1.77	<2	1
1130051068		1.66	<10	<1	0.19	10	0.45	578	1	0.07	12	360	13	1.31	<2	1
1128015177		1.58	<10	<1	0.39	10	0.79	886	1	0.02	6	350	73	1.15	<2	1
1128006004		1.89	10	<1	0.35	10	0.65	325	<1	0.10	13	380	3	0.21	<2	2
1130050161		2.03	<10	<1	0.20	10	0.58	633	1	0.02	13	460	74	1.79	<2	1
1130050157		1.66	<10	<1	0.18	10	0.39	120	1	0.02	11	60	18	1.53	<2	<1
1130052077		2.08	<10	<1	0.17	10	0.58	908	1	0.05	20	450	52	0.87	<2	2
1128016119		2.02	<10	<1	0.23	10	0.61	272	1	0.07	12	370	<2	0.43	<2	2
1130050174		1.99	<10	<1	0.19	10	0.33	112	1	0.03	11	60	80	1.94	<2	<1
1128013169		2.04	<10	<1	0.27	10	0.59	306	1	0.07	11	380	2	0.37	<2	2
1130052248		1.75	<10	<1	0.21	10	0.62	1475	1	0.03	11	400	74	0.98	<2	1
1130048235		1.66	<10	<1	0.21	10	0.77	611	1	0.06	9	340	13	0.90	<2	1
1128007101		2.15	<10	<1	0.38	10	0.77	467	1	0.06	14	400	<2	0.67	<2	1
V829056		1.61	<10	<1	0.16	10	0.34	173	14	0.13	9	560	8	0.07	<2	2
1128015143		3.64	<10	<1	0.39	10	1.09	1140	1	0.03	7	370	157	3.06	<2	1
1128015148		2.48	10	<1	0.22	20	0.87	637	1	0.04	10	500	44	1.35	2	1
1128017061		6.63	10	<1	0.47	10	1.43	1230	<1	0.16	38	680	9	1.20	<2	10
1128015156		1.72	<10	<1	0.26	10	0.99	607	1	0.04	9	340	36	1.02	<2	1
1128013194		1.85	10	<1	0.21	10	0.69	297	1	0.11	14	390	5	0.24	<2	1
1128007215		2.40	10	<1	0.40	10	0.66	351	1	0.09	11	390	2	1.17	<2	1
1128016080		2.19	10	<1	0.34	10	0.62	270	1	0.06	12	370	<2	0.45	<2	2
1130050048		1.99	<10	<1	0.23	10	0.27	145	1	0.02	13	250	63	1.85	<2	1
1128016045		2.02	<10	<1	0.24	10	0.59	265	1	0.06	11	380	2	0.34	<2	2
1128013115		2.66	<10	<1	0.48	20	1.26	800	1	0.04	23	680	3	0.59	<2	3
1130050138		2.06	<10	<1	0.23	10	0.11	249	1	0.03	13	280	212	1.85	<2	1
1128016034		2.03	<10	<1	0.14	10	0.65	335	3	0.06	10	380	2	0.34	<2	1
1128008571		1.68	<10	<1	0.25	10	0.64	525	<1	0.06	9	390	<2	0.47	<2	1
1128015166		2.33	<10	<1	0.32	20	0.88	789	<1	0.06	8	520	102	1.44	<2	1
1131063066		2.24	10	<1	0.26	20	0.79	628	1	0.12	15	470	29	1.36	2	1
1128017135		2.08	<10	<1	0.23	20	0.58	618	2	0.06	12	510	8	0.50	<2	1
1128016562		2.23	10	<1	0.11	10	0.66	386	1	0.08	12	380	<2	0.44	<2	1
1130050105		2.01	<10	<1	0.18	10	0.32	155	2	0.03	15	180	190	1.61	<2	1
1128009101		9.20	10	<1	0.18	10	1.92	1480	1	0.11	50	760	5	1.35	<2	16

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ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1131063084		25	<20	0.01	<10	<10	7	<10	115	0.59	1.07	54	9.1	21	33.4	1.61
1128012116		55	<20	<0.01	<10	<10	12	<10	205	0.11	1.29	21	8.7	-19	40.3	0.52
1129029084		8	<20	<0.01	<10	<10	5	<10	186	0.14	1.76	15	8.7	-40	55.0	0.27
1131052195		20	<20	<0.01	<10	<10	5	<10	175	0.02	2.18	5	7.9	-63	68.1	0.07
1128013162		52	<20	0.03	<10	<10	19	20	98	0.43	0.53	42	9.2	25	16.6	2.54
1130052221		15	<20	<0.01	<10	<10	5	<10	264	0.03	2.04	7	7.7	-57	63.8	0.11
1130051019		19	<20	<0.01	<10	<10	4	<10	112	1.09	1.55	79	9.2	31	48.4	1.63
1130052227		16	<20	0.01	<10	<10	9	<10	539	0.11	1.87	11	8.3	-47	58.4	0.19
1130051068		39	<20	<0.01	<10	<10	5	<10	214	0.81	1.36	64	9.1	22	42.5	1.51
1128015177		32	<20	<0.01	<10	<10	6	<10	570	0.61	1.21	56	9.2	18	37.8	1.48
1128006004		30	<20	0.06	<10	<10	23	<10	42	0.28	0.20	33	9.7	27	6.3	5.28
1130050161		12	<20	<0.01	<10	<10	6	<10	304	0.05	1.85	9	7.8	-49	57.8	0.16
1130050157		11	<20	<0.01	<10	<10	4	<10	131	0.04	1.54	5	8.4	-43	48.1	0.10
1130052077		26	<20	0.04	<10	<10	20	<10	236	0.36	0.84	31	8.8	5	26.3	1.18
1128016119		26	<20	0.04	<10	<10	21	<10	30	0.35	0.44	35	9.3	21	13.8	2.55
1130050174		14	<20	<0.01	<10	<10	4	<10	268	0.03	2.00	4	8.2	-59	62.5	0.06
1128013169		24	<20	0.04	<10	<10	18	<10	48	0.32	0.38	33	9.5	21	11.9	2.78
1130052248		19	<20	0.01	<10	<10	8	<10	316	0.76	0.95	54	8.5	24	29.7	1.82
1130048235		34	<20	<0.01	<10	<10	6	<10	62	0.89	0.89	68	9.0	40	27.8	2.44
1128007101		31	<20	0.04	<10	<10	16	<10	301	0.46	0.62	46	9.4	27	19.4	2.37
V829056		19	<20	0.22	<10	<10	47	<10	32	0.03						
1128015143		33	<20	<0.01	<10	<10	8	<10	2240	0.55	3.24	50	8.7	-51	101.3	0.49
1128015148		42	<20	<0.01	<10	<10	11	<10	1050	0.31	1.38	33	8.6	-10	43.1	0.77
1128017061		121	<20	0.15	<10	<10	192	<10	267	0.95	1.15	129	9.1	93	35.9	3.59
1128015156		27	<20	<0.01	<10	<10	7	<10	167	0.64	1.02	58	9.0	26	31.9	1.82
1128013194		58	<20	0.05	<10	<10	20	10	59	0.35	0.23	37	9.5	30	7.2	5.15
1128007215		34	<20	0.05	<10	<10	15	<10	171	0.27	1.17	31	9.1	-6	36.6	0.85
1128016080		22	<20	0.06	<10	<10	22	<10	30	0.33	0.43	32	9.5	19	13.4	2.38
1130050048		9	<20	<0.01	<10	<10	5	<10	879	0.09	1.76	9	8.3	-46	55.0	0.16
1128016045		25	<20	0.03	<10	<10	19	<10	44	0.41	0.31	38	9.5	28	9.7	3.92
1128013115		106	<20	0.05	<10	<10	30	<10	75	1.14	0.55	119	9.3	102	17.2	6.92
1130050138		20	<20	<0.01	<10	<10	6	<10	220	0.12	1.86	8	8.2	-50	58.1	0.14
1128016034		26	<20	0.01	<10	<10	14	<10	41	0.46	0.31	42	9.4	32	9.7	4.34
1128008571		35	<20	<0.01	<10	<10	8	<10	465	0.79	0.47	64	9.3	49	14.7	4.36
1128015166		36	<20	<0.01	<10	<10	12	<10	259	0.61	1.39	55	8.9	12	43.4	1.27
1131063066		49	<20	0.02	<10	<10	14	<10	186	0.33	1.31	34	9.1	-7	40.9	0.83
1128017135		40	<20	0.03	<10	<10	14	<10	453	0.60	0.49	56	9.4	41	15.3	3.66
1128016562		29	<20	0.01	<10	<10	14	<10	39	0.45	0.41	43	9.3	30	12.8	3.36
1130050105		18	<20	0.01	<10	<10	12	<10	422	0.13	1.62	11	8.2	-40	50.6	0.22
1128009101		108	<20	0.09	<10	<10	193	<10	976	1.65	1.36	183	8.6	141	42.5	4.31

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1131063084		2
1128012116		2
1129029084		1
1131052195		1
1128013162		2
1130052221		1
1130051019		2
1130052227		1
1130051068		2
1128015177		2
1128006004		2
1130050161		1
1130050157		1
1130052077		2
1128016119		2
1130050174		1
1128013169		2
1130052248		2
1130048235		2
1128007101		2
V829056		
1128015143		2
1128015148		2
1128017061		3
1128015156		2
1128013194		2
1128007215		2
1128016080		2
1130050048		1
1128016045		2
1128013115		3
1130050138		1
1128016034		2
1128008571		2
1128015166		2
1131063066		2
1128017135		2
1128016562		2
1130050105		1
1128009101		3

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CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
V829057		0.06		1.875	7.0	0.76	386	<10	40	<0.5	3	1.22	1.0	6	13	286
1130055528		0.38		1.315	2.7	1.07	31	<10	50	<0.5	<2	0.69	2.3	10	238	50
1130055507		0.59		0.623	1.7	0.92	38	<10	40	<0.5	<2	0.97	2.2	9	185	58
1130055500		0.49		0.816	1.7	0.98	35	<10	50	<0.5	<2	0.28	1.7	9	192	36
1130051137		0.36		0.106	0.6	1.74	102	<10	60	<0.5	<2	2.06	<0.5	9	205	32
1130055133		0.43		0.639	1.7	1.35	90	<10	40	<0.5	<2	0.48	0.8	10	284	41
1130055063		0.53		1.570	1.0	1.29	23	<10	40	<0.5	2	0.21	0.8	8	188	47
1129027259		0.48		0.006	<0.2	1.20	3	<10	50	<0.5	<2	1.68	<0.5	6	264	18
1128015022		0.42		1.245	2.7	0.96	99	<10	50	<0.5	2	1.14	11.0	8	203	72
1130055532		0.30		0.768	1.6	1.77	35	<10	60	<0.5	<2	0.92	2.1	9	191	55
1130052061		0.40		0.096	0.4	1.64	24	<10	40	<0.5	2	0.87	0.9	11	222	45
1127029195		0.43		0.738	2.0	1.03	73	<10	30	<0.5	<2	2.09	1.9	9	100	59
1127029166		0.46		1.825	9.0	0.98	51	<10	30	<0.5	2	2.60	1.4	8	82	51
1127029018		0.46		0.173	3.6	0.53	55	<10	40	<0.5	2	2.14	4.2	8	141	113
1128009095		0.50		0.079	1.2	4.39	21	<10	100	<0.5	2	5.02	6.7	42	152	142
1127029057		0.54		0.523	2.4	0.58	48	<10	20	<0.5	2	1.60	3.4	9	149	41
1130049037		0.38		0.261	0.4	1.29	29	<10	40	<0.5	2	0.43	0.5	9	196	20
1127029119		0.41		0.240	15.7	0.60	42	<10	40	<0.5	3	2.45	2.4	10	115	117
1127029199		0.55		8.12	1.8	1.09	70	<10	30	<0.5	2	3.55	1.0	7	104	51
1127029128		0.60	83.3	0.192	6.0	0.52	49	<10	30	<0.5	3	1.52	4.6	9	114	127
1130055132		0.49		1.175	1.1	1.14	74	<10	40	<0.5	<2	1.54	2.0	9	223	43
V829058		0.06		0.202	1.5	0.91	<2	<10	40	<0.5	3	0.50	<0.5	10	13	55
1130050109		Not Recvd														
1130052265		0.41		1.260	2.1	1.15	56	<10	60	<0.5	2	0.74	3.0	9	155	83
1130050061		0.41		1.310	1.3	1.14	42	<10	50	<0.5	2	0.63	1.8	10	251	64
1130052019		0.43		0.059	2.1	1.58	13	<10	40	<0.5	<2	0.97	3.1	14	207	64
1130048011		0.42		0.236	27.6	1.42	137	<10	40	<0.5	<2	2.32	0.5	9	271	37
1128015072		0.52		0.048	0.8	2.24	35	<10	60	<0.5	<2	1.61	<0.5	7	224	14
1130055080		0.41		0.441	3.3	1.07	31	<10	50	<0.5	7	0.17	0.7	9	176	30
1131063063		0.46		0.040	0.2	2.02	6	<10	60	<0.5	<2	2.28	<0.5	12	206	25
1128015118		0.57		0.119	0.5	1.12	29	<10	40	<0.5	2	0.48	0.5	8	201	41
1130052042		0.44		0.200	0.5	1.35	44	<10	40	<0.5	2	0.55	2.9	11	262	45
1128015035		0.54		0.051	0.9	1.45	33	<10	50	<0.5	<2	1.44	<0.5	7	202	17
1130056015		0.40		0.776	1.3	1.00	57	<10	40	<0.5	2	1.14	0.8	8	292	43
1130055026		0.50		0.355	0.2	1.40	29	<10	50	<0.5	<2	1.02	<0.5	9	269	27
1128016092		0.51		0.019	<0.2	1.22	3	<10	50	<0.5	<2	1.74	<0.5	7	458	29
1130052515		0.45		0.054	0.2	1.68	8	<10	50	<0.5	<2	1.07	<0.5	14	291	54
1130055054		0.48		0.074	0.3	2.33	35	<10	50	<0.5	<2	2.58	0.5	8	207	13
1130049117		0.38		0.407	2.8	0.68	40	<10	40	<0.5	<2	0.08	2.8	9	149	37
1130048369		0.45		0.338	0.4	1.61	30	<10	40	<0.5	<2	0.78	<0.5	10	133	31

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
V829057		4.33	<10	<1	0.24	10	0.28	455	3	0.02	8	150	19	3.31	2	2
1130055528		2.70	<10	<1	0.28	10	0.35	1895	1	0.04	16	490	292	2.58	2	1
1130055507		2.13	<10	<1	0.27	10	0.46	1435	1	0.03	12	480	222	1.88	<2	1
1130055500		2.00	<10	<1	0.31	10	0.23	585	1	0.03	12	430	91	1.91	<2	1
1130051137		2.11	<10	<1	0.24	10	0.86	457	1	0.12	13	390	18	1.21	<2	1
1130055133		2.30	<10	<1	0.24	10	0.44	683	1	0.05	16	500	91	1.82	<2	1
1130055063		2.29	<10	<1	0.18	10	0.79	556	1	0.04	11	580	37	2.17	<2	<1
1129027259		1.82	<10	<1	0.20	20	0.50	306	1	0.07	4	520	<2	0.08	<2	1
1128015022		2.70	<10	<1	0.34	20	0.36	574	1	0.03	9	430	172	2.92	3	1
1130055532		2.29	<10	<1	0.34	10	0.74	996	1	0.05	12	450	180	1.87	<2	1
1130052061		2.37	<10	<1	0.21	10	0.87	486	1	0.05	20	500	39	1.27	<2	2
1127029195		2.24	<10	<1	0.18	10	0.71	1000	1	0.04	11	460	330	2.11	<2	1
1127029166		2.32	<10	<1	0.20	10	1.20	1450	1	0.03	11	470	222	2.00	<2	1
1127029018		2.30	<10	1	0.20	10	0.81	2560	1	0.03	12	460	226	2.54	2	<1
1128009095		10.40	10	1	0.41	<10	2.44	2150	2	0.20	57	910	14	2.41	<2	17
1127029057		2.22	<10	<1	0.19	10	0.71	1290	1	0.03	12	480	177	2.26	<2	1
1130049037		2.16	<10	<1	0.21	10	0.72	699	1	0.04	12	520	43	1.97	<2	1
1127029119		2.46	<10	<1	0.27	10	0.70	1860	1	0.03	13	480	303	2.78	19	1
1127029199		1.97	<10	<1	0.19	10	0.82	1315	1	0.03	9	480	60	1.39	<2	1
1127029128		1.91	<10	<1	0.20	10	0.41	992	1	0.02	9	480	463	2.15	3	<1
1130055132		2.26	<10	<1	0.24	10	0.69	1940	1	0.04	12	470	195	1.63	<2	1
V829058		2.71	<10	<1	0.21	10	0.39	263	4	0.16	10	560	26	0.05	<2	2
1130050109																
1130052265		2.34	<10	<1	0.35	10	0.48	1780	1	0.04	12	530	173	1.98	3	1
1130050061		2.41	<10	<1	0.29	10	0.61	1180	1	0.03	15	510	144	1.99	<2	1
1130052019		2.54	<10	<1	0.17	10	0.89	432	1	0.08	29	510	218	0.89	<2	3
1130048011		2.46	<10	<1	0.18	10	0.85	874	2	0.10	17	460	34	1.51	4	1
1128015072		1.91	10	<1	0.26	10	0.84	523	1	0.18	10	400	19	0.70	<2	1
1130055080		2.63	<10	<1	0.30	10	0.28	82	1	0.06	13	420	111	2.86	2	1
1131063063		2.90	10	<1	0.26	10	1.15	595	1	0.09	32	410	6	0.40	<2	3
1128015118		2.08	<10	<1	0.17	10	0.60	165	1	0.06	13	380	14	1.96	2	1
1130052042		2.47	<10	<1	0.22	10	0.76	360	1	0.05	19	530	19	1.39	<2	2
1128015035		1.96	<10	<1	0.23	10	0.63	461	1	0.10	10	400	13	1.27	<2	1
1130056015		2.06	<10	<1	0.27	10	0.47	912	1	0.05	13	430	84	1.97	<2	1
1130055026		2.17	<10	<1	0.21	10	0.79	329	1	0.08	12	410	14	1.78	<2	1
1128016092		2.21	<10	<1	0.16	10	0.67	359	1	0.06	15	440	3	0.27	<2	1
1130052515		2.80	<10	<1	0.18	10	0.97	424	1	0.08	28	510	8	0.53	<2	4
1130055054		1.93	<10	<1	0.26	10	0.96	656	2	0.11	9	390	17	0.67	<2	1
1130049117		2.03	<10	<1	0.24	10	0.10	27	1	0.02	13	80	90	2.27	<2	<1
1130048369		2.20	<10	<1	0.15	20	0.71	558	1	0.05	12	550	16	1.00	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
V829057		18	<20	0.01	<10	<10	7	<10	227	0.37						
1130055528		22	<20	<0.01	<10	<10	5	<10	599	0.34	2.39	26	8.5	-49	74.7	0.35
1130055507		17	<20	<0.01	<10	<10	4	<10	572	0.45	1.65	36	8.7	-16	51.6	0.70
1130055500		14	<20	<0.01	<10	<10	5	<10	429	0.10	1.72	11	8.2	-43	53.8	0.20
1130051137		62	<20	<0.01	<10	<10	8	<10	136	0.61	1.05	51	9.1	18	32.8	1.55
1130055133		20	<20	<0.01	<10	<10	8	<10	235	0.17	1.59	15	8.5	-35	49.7	0.30
1130055063		15	<20	<0.01	<10	<10	5	<10	240	0.07	1.97	9	8.0	-53	61.6	0.15
1129027259		30	<20	0.03	<10	<10	13	<10	76	0.50	0.06	42	9.5	40	1.9	22.40
1128015022		21	<20	<0.01	<10	<10	5	<10	2970	0.33	2.71	32	8.5	-53	84.7	0.38
1130055532		28	<20	<0.01	<10	<10	9	<10	544	0.36	1.64	32	8.8	-19	51.3	0.62
1130052061		22	<20	0.05	<10	<10	24	<10	258	0.16	1.06	16	8.5	-17	33.1	0.48
1127029195		26	<20	<0.01	<10	<10	4	<10	450	0.85	1.94	66	8.9	5	60.6	1.09
1127029166		28	<20	<0.01	<10	<10	4	<10	397	1.24	1.74	93	8.9	39	54.4	1.71
1127029018		26	<20	<0.01	<10	<10	2	<10	1020	1.05	2.28	79	8.8	8	71.3	1.11
1128009095		101	<20	0.14	<10	<10	239	<10	1690	1.81	2.26	200	8.7	129	70.6	2.83
1127029057		18	<20	<0.01	<10	<10	3	<10	866	0.89	2.00	60	8.8	-3	62.5	0.96
1130049037		15	<20	<0.01	<10	<10	6	<10	148	0.14	1.84	15	8.4	-43	57.5	0.26
1127029119		23	<20	<0.01	<10	<10	3	<10	583	1.03	2.57	81	9.1	1	80.3	1.01
1127029199		29	<20	<0.01	<10	<10	4	<10	235	1.23	1.18	100	9.0	63	36.9	2.71
1127029128		15	<20	<0.01	<10	<10	2	<10	1135	0.60	2.02	48	9.1	-15	63.1	0.76
1130055132		22	<20	<0.01	<10	<10	5	<10	554	0.79	1.52	57	8.9	10	47.5	1.20
V829058		21	<20	0.40	<10	<10	63	<10	61	0.02						
1130050109																
1130052265		25	<20	<0.01	<10	<10	6	<10	743	0.37	1.75	28	8.7	-27	54.7	0.51
1130050061		18	<20	<0.01	<10	<10	7	<10	501	0.31	1.75	25	8.5	-30	54.7	0.46
1130052019		38	<20	0.09	<10	<10	36	<10	709	0.16	0.76	18	8.9	-6	23.8	0.76
1130048011		56	<20	<0.01	<10	<10	10	<10	139	0.81	1.34	61	9.2	19	41.9	1.46
1128015072		72	<20	0.01	<10	<10	11	<10	107	0.29	0.57	33	9.2	15	17.8	1.85
1130055080		18	<20	<0.01	<10	<10	5	<10	185	0.05	2.59	7	7.8	-74	80.9	0.09
1131063063		57	<20	0.03	<10	<10	38	<10	114	0.61	0.35	54	9.1	43	10.9	4.94
1128015118		27	<20	<0.01	<10	<10	5	<10	146	0.15	1.89	15	8.6	-44	59.1	0.25
1130052042		27	<20	0.03	<10	<10	22	<10	737	0.09	1.27	14	8.6	-26	39.7	0.35
1128015035		40	<20	<0.01	<10	<10	7	<10	71	0.37	1.14	37	9.0	1	35.6	1.04
1130056015		21	<20	<0.01	<10	<10	5	<10	213	0.55	1.83	40	8.9	-17	57.2	0.70
1130055026		37	<20	<0.01	<10	<10	7	<10	96	0.40	1.59	27	8.8	-23	49.7	0.54
1128016092		28	<20	0.03	<10	<10	17	<10	57	0.54	0.24	46	9.5	39	7.5	6.13
1130052515		42	<20	0.10	<10	<10	43	<10	112	0.22	0.47	24	8.9	9	14.7	1.63
1130055054		56	<20	<0.01	<10	<10	7	<10	120	0.60	0.58	56	8.8	38	18.1	3.09
1130049117		12	<20	<0.01	<10	<10	3	<10	627	0.04	2.35	4	7.4	-69	73.4	0.05
1130048369		21	<20	0.01	<10	<10	10	<10	116	0.21	0.97	23	8.3	-7	30.3	0.76

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
V829057		
1130055528		2
1130055507		2
1130055500		1
1130051137		2
1130055133		1
1130055063		1
1129027259		2
1128015022		2
1130055532		2
1130052061		1
1127029195		2
1127029166		3
1127029018		2
1128009095		3
1127029057		2
1130049037		1
1127029119		2
1127029199		3
1127029128		2
1130055132		2
V829058		
1130050109		
1130052265		2
1130050061		2
1130052019		1
1130048011		2
1128015072		2
1130055080		1
1131063063		2
1128015118		1
1130052042		1
1128015035		2
1130056015		2
1130055026		2
1128016092		2
1130052515		2
1130055054		2
1130049117		1
1130048369		2

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CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1128013149		0.48		0.014	<0.2	1.22	3	<10	80	<0.5	<2	1.91	<0.5	9	185	46
1128013092		0.50		0.025	<0.2	1.15	6	<10	80	<0.5	<2	1.35	<0.5	8	194	23
1130049050		0.42		1.250	0.8	1.03	56	<10	30	<0.5	<2	0.68	1.1	8	128	30
V829059		0.06		6.76	4.9	0.83	<2	<10	50	<0.5	<2	0.51	<0.5	6	10	38
1128013108		0.48		0.050	0.2	1.22	7	<10	90	<0.5	<2	1.13	<0.5	8	202	23
1130048159		0.45		0.060	0.3	1.37	15	<10	50	<0.5	<2	1.37	<0.5	8	200	12
1128009141		0.49		0.030	0.3	2.12	4	<10	110	<0.5	2	2.43	0.6	21	209	51
1130048512		0.56		0.088	0.3	2.57	11	<10	10	<0.5	4	4.70	0.6	43	378	94
1127029069		0.42		0.280	1.1	0.84	64	<10	20	<0.5	<2	1.98	0.5	8	113	30
1130050022		0.55		0.454	0.7	0.85	36	<10	30	<0.5	<2	0.44	1.2	10	232	41
1130048136		0.45		0.132	0.5	2.38	72	<10	30	<0.5	2	2.00	0.5	31	176	89
1128013012		0.46		0.127	1.0	1.62	11	<10	70	<0.5	<2	1.76	1.2	9	258	38
1128013037		0.49		0.221	1.1	1.69	15	<10	60	<0.5	<2	1.74	<0.5	9	207	29
1127033054		0.47		0.569	0.8	0.76	35	<10	30	<0.5	<2	2.63	1.1	7	106	44
1127033039		0.45		0.529	1.5	0.56	41	<10	30	<0.5	<2	2.12	2.4	7	124	38
1130049095		0.42		0.384	1.4	0.72	56	<10	30	<0.5	<2	1.11	1.7	9	139	34
1130049055		0.45		0.297	0.6	1.11	64	<10	30	<0.5	<2	1.21	0.5	9	179	18
1130049088		0.46		1.560	1.1	0.72	49	<10	30	<0.5	<2	0.15	5.6	10	170	81
1130048087		0.53		0.131	0.8	3.14	11	<10	10	<0.5	2	4.14	0.5	42	497	144
1131063046		0.45		0.099	0.5	1.44	47	<10	40	<0.5	<2	2.12	<0.5	7	144	23
1130055147		0.36		1.015	1.8	1.30	111	<10	40	<0.5	<2	1.66	1.3	8	198	43
1130052259		0.40		0.398	2.8	1.25	40	<10	50	<0.5	3	0.91	3.3	9	198	61
1130049058		0.43		2.78	3.1	0.91	57	<10	40	<0.5	<2	1.64	2.0	8	174	68
1131063055		0.45		0.162	0.3	1.48	48	<10	40	<0.5	<2	2.15	<0.5	7	185	24
1128013041		0.51		0.053	0.4	1.51	6	<10	130	<0.5	<2	2.71	<0.5	12	295	133
1127029040		0.48		0.178	3.8	0.46	30	<10	30	<0.5	2	1.05	3.7	8	127	72
1127029077		0.36		0.395	10.5	0.48	107	<10	30	<0.5	2	2.08	4.6	7	100	249
1130055062		0.40		0.178	0.7	1.22	21	<10	40	<0.5	<2	0.20	<0.5	8	226	42
1130052314		0.39		0.108	1.1	1.40	35	<10	40	<0.5	<2	0.26	1.3	10	163	61
V829060		0.06	94.7	1.840	6.3	0.79	436	<10	40	<0.5	2	1.15	1.1	7	13	283
1130050190		0.39	93.2	3.74	4.1	0.65	48	<10	40	<0.5	<2	0.08	4.6	9	289	74
1128017072		0.42		3.43	3.0	0.80	113	<10	40	<0.5	<2	0.73	6.3	6	179	83
1128015206		0.39		5.86	1.8	1.62	139	<10	50	<0.5	<2	0.43	16.0	8	128	73
1128017112		0.43		0.102	0.7	1.38	68	<10	50	<0.5	<2	1.07	1.0	8	66	10

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1
1128013149		1.94	<10	<1	0.23	10	0.75	476	2	0.07	17	470	2	0.11	<2	2
1128013092		1.97	10	<1	0.36	10	0.58	393	2	0.07	11	370	2	0.40	2	1
1130049050		1.82	<10	<1	0.25	10	0.57	839	<1	0.03	11	430	145	1.65	2	1
V829059		1.65	<10	<1	0.17	10	0.35	183	16	0.14	10	570	9	0.07	<2	2
1128013108		1.99	10	<1	0.40	10	0.59	384	1	0.08	11	380	<2	0.33	<2	2
1130048159		2.14	10	<1	0.11	20	0.74	266	1	0.09	15	460	5	0.76	<2	2
1128009141		4.61	10	<1	0.40	10	1.21	746	1	0.10	43	540	2	0.64	<2	6
1130048512		6.57	10	<1	0.02	<10	2.58	953	1	0.03	119	280	<2	1.42	<2	9
1127029069		1.89	<10	<1	0.16	10	0.91	1120	1	0.03	10	400	28	1.56	<2	1
1130050022		1.91	<10	<1	0.20	10	0.39	131	1	0.03	15	280	116	1.34	<2	1
1130048136		6.34	10	<1	0.15	10	1.58	573	3	0.05	30	490	<2	2.05	2	13
1128013012		2.00	10	<1	0.25	10	0.70	540	1	0.11	13	400	5	0.68	<2	1
1128013037		2.06	<10	<1	0.22	20	0.71	521	2	0.12	14	480	11	0.74	<2	1
1127033054		1.76	<10	<1	0.22	10	1.09	1515	1	0.02	10	390	100	1.27	<2	1
1127033039		1.90	<10	<1	0.20	10	0.80	1400	1	0.02	12	420	316	1.84	3	<1
1130049095		2.21	<10	<1	0.28	10	0.56	1690	1	0.03	14	410	183	2.10	2	1
1130049055		2.10	<10	<1	0.23	10	0.70	1220	1	0.04	12	460	43	1.89	<2	1
1130049088		2.17	<10	<1	0.22	10	0.20	1770	1	0.02	16	260	76	1.87	2	<1
1130048087		5.85	10	<1	0.02	<10	3.16	924	2	0.05	163	240	<2	0.69	<2	6
1131063046		1.77	<10	<1	0.29	10	0.91	1300	1	0.03	9	370	48	1.27	2	1
1130055147		2.04	<10	<1	0.26	10	0.60	1105	1	0.05	13	440	94	1.72	3	1
1130052259		2.27	<10	<1	0.28	10	0.67	1505	1	0.03	13	490	383	1.99	<2	1
1130049058		1.87	<10	<1	0.25	10	0.64	1245	1	0.03	14	420	276	1.45	<2	1
1131063055		1.83	<10	<1	0.29	10	0.94	1340	1	0.03	8	380	51	1.30	<2	1
1128013041		2.46	10	<1	0.33	20	1.11	516	1	0.07	30	680	3	0.33	<2	3
1127029040		2.14	<10	1	0.18	10	0.48	1615	1	0.02	12	390	111	2.37	4	<1
1127029077		2.07	<10	1	0.21	<10	0.88	2240	1	0.02	10	380	549	2.40	15	<1
1130055062		2.15	<10	<1	0.20	10	0.65	1075	1	0.04	11	380	21	1.96	<2	<1
1130052314		1.98	<10	<1	0.22	10	0.75	449	1	0.02	13	480	110	1.57	<2	1
V829060		4.19	<10	1	0.25	20	0.28	467	3	0.02	8	160	19	3.26	3	2
1130050190		2.22	<10	1	0.25	10	0.09	90	1	0.02	15	180	205	2.37	<2	<1
1128017072		1.86	<10	<1	0.30	10	0.33	259	1	0.02	11	570	426	1.88	4	1
1128015206		3.72	<10	<1	0.25	20	0.65	449	1	0.03	11	480	111	3.46	<2	1
1128017112		1.46	<10	<1	0.38	10	0.71	504	1	0.04	8	430	58	1.43	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1128013149		58	<20	0.03	<10	<10	19	<10	68	0.63	0.10	55	9.4	52	3.1	17.60
1128013092		28	<20	0.05	<10	<10	18	<10	67	0.42	0.39	42	9.3	30	12.2	3.45
1130049050		16	<20	<0.01	<10	<10	5	<10	261	0.31	1.67	28	8.8	-24	52.2	0.54
V829059		21	<20	0.23	<10	<10	49	<10	33	0.02						
1128013108		27	<20	0.05	<10	<10	20	10	52	0.37	0.30	39	9.5	30	9.4	4.16
1130048159		38	<20	<0.01	<10	<10	15	<10	27	0.46	0.79	42	9.0	17	24.7	1.70
1128009141		57	<20	0.09	<10	<10	104	<10	189	0.78	0.63	100	9.1	80	19.7	5.08
1130048512		91	<20	0.08	<10	<10	122	<10	62	1.70	1.49	163	8.8	116	46.6	3.50
1127029069		27	<20	<0.01	<10	<10	3	<10	136	1.11	1.62	80	8.5	29	50.6	1.58
1130050022		16	<20	0.02	<10	<10	14	<10	333	0.18	1.37	14	8.3	-29	42.8	0.33
1130048136		53	<20	0.01	<10	<10	130	<10	50	0.85	2.10	92	8.3	26	65.6	1.40
1128013012		60	<20	0.03	<10	<10	15	10	332	0.47	0.66	46	8.9	25	20.6	2.23
1128013037		73	<20	0.01	<10	<10	15	10	108	0.48	0.73	46	8.8	23	22.8	2.02
1127033054		27	<20	<0.01	<10	<10	4	<10	327	1.43	1.23	113	9.0	75	38.4	2.94
1127033039		19	<20	<0.01	<10	<10	3	<10	620	1.10	1.82	83	8.7	26	56.9	1.46
1130049095		15	<20	<0.01	<10	<10	4	<10	447	0.66	2.08	52	8.8	-13	65.0	0.80
1130049055		19	<20	<0.01	<10	<10	5	<10	129	0.59	1.93	49	8.7	-11	60.3	0.81
1130049088		12	<20	<0.01	<10	<10	5	<10	1570	0.16	1.81	9	7.7	-48	56.6	0.16
1130048087		49	<20	0.10	<10	<10	97	<10	70	1.27	0.63	137	9.0	117	19.7	6.96
1131063046		20	<20	0.01	<10	<10	7	<10	132	0.67	1.15	59	8.6	23	35.9	1.64
1130055147		26	<20	<0.01	<10	<10	6	<10	317	0.76	1.76	60	8.5	5	55.0	1.09
1130052259		22	<20	<0.01	<10	<10	6	<10	894	0.42	1.91	33	8.3	-27	59.7	0.55
1130049058		22	<20	<0.01	<10	<10	7	<10	480	0.79	1.44	62	9.0	17	45.0	1.38
1131063055		21	<20	0.01	<10	<10	7	<10	143	0.66	1.21	58	8.9	20	37.8	1.53
1128013041		92	<20	0.04	<10	<10	34	<10	69	0.88	0.31	98	9.3	88	9.7	10.12
1127029040		16	<20	<0.01	<10	<10	2	<10	922	0.63	2.42	50	8.9	-26	75.6	0.66
1127029077		23	<20	<0.01	<10	<10	2	<10	1175	1.25	2.44	100	9.0	24	76.3	1.31
1130055062		16	<20	<0.01	<10	<10	5	<10	137	0.22	2.13	10	8.0	-57	66.6	0.15
1130052314		18	<20	0.01	<10	<10	8	<10	437	0.06	1.50	8	7.8	-39	46.9	0.17
V829060		18	<20	0.01	<10	<10	7	<10	236	0.37						
1130050190		15	<20	<0.01	<10	<10	4	<10	1025	0.05	2.29	4	7.1	-68	71.6	0.06
1128017072		24	<20	<0.01	<10	<10	8	<10	1730	0.23	1.83	23	8.8	-34	57.2	0.40
1128015206		21	<20	<0.01	<10	<10	8	<10	3960	0.09	3.67	12	7.8	-103	114.7	0.10
1128017112		30	<20	<0.01	<10	<10	6	<10	288	0.30	1.36	34	9.0	-9	42.5	0.80

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1128013149		2
1128013092		2
1130049050		2
V829059		
1128013108		2
1130048159		2
1128009141		3
1130048512		3
1127029069		2
1130050022		1
1130048136		3
1128013012		2
1128013037		2
1127033054		3
1127033039		2
1130049095		2
1130049055		2
1130049088		1
1130048087		3
1131063046		2
1130055147		2
1130052259		2
1130049058		2
1131063055		2
1128013041		3
1127029040		2
1127029077		3
1130055062		1
1130052314		1
V829060		
1130050190		1
1128017072		2
1128015206		1
1128017112		2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

CERTIFICATE OF ANALYSIS TB18114668

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.

Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method: LOG-23 LOG-QC WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Au-AA23 C-IR07 ME-ICP41 OA-ELE07
OA-VOL08 S-IR08

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

CERTIFICATE TB18165552

Project: Mine Site Lab Pulps June 2018

P.O. No.: 4500009909

This report is for 153 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1126030064		0.50	86.3	0.823	2.0	1.19	85	<10	70	<0.5	<2	0.90	14.1	6	156	64
1125022166		0.57		0.019	0.2	1.12	6	<10	40	<0.5	<2	1.84	<0.5	7	346	20
1126030109		0.52		0.851	1.9	0.96	268	<10	40	<0.5	<2	1.06	14.6	7	172	65
1125021011		0.56		0.021	0.3	1.07	8	<10	30	<0.5	<2	1.87	<0.5	9	185	35
1126030129		0.47		0.482	2.2	0.86	174	<10	20	<0.5	<2	0.93	10.2	8	178	80
1126030060		0.50		2.25	1.8	0.70	71	<10	40	<0.5	<2	1.39	17.3	9	232	124
1125008148		0.52		0.371	1.6	1.27	12	<10	60	<0.5	<2	1.81	<0.5	13	168	353
1126031022		0.52		0.218	1.0	0.62	83	<10	40	<0.5	<2	1.92	1.2	7	111	21
1125021118		0.49		0.008	0.2	1.13	7	<10	50	<0.5	<2	1.81	<0.5	7	307	20
1125021156		0.49		0.058	0.3	1.32	12	20	50	<0.5	<2	1.73	4.7	5	234	43
1125021001		0.56		0.067	0.2	1.10	4	10	30	<0.5	<2	1.17	<0.5	5	153	15
1125021189		0.45		0.017	<0.2	1.21	4	10	80	<0.5	<2	2.29	<0.5	9	278	37
1125021005		0.54		0.173	1.0	0.95	10	10	50	<0.5	<2	2.00	<0.5	10	208	143
1125008113		0.43		0.324	0.8	1.10	33	10	40	<0.5	<2	1.62	3.4	9	206	49
1125021143		0.51		0.031	<0.2	1.13	5	10	40	<0.5	<2	1.63	<0.5	6	284	30
1126031198		0.47		0.375	0.9	1.68	100	10	30	<0.5	<2	0.72	3.0	9	81	51
1126031245		0.50		0.700	1.6	0.95	684	10	30	<0.5	<2	0.20	22.3	6	62	83
V829081		0.06		6.68	4.7	0.81	<2	10	50	<0.5	<2	0.52	<0.5	6	10	37
1126027217		0.54		0.219	1.1	0.64	27	10	30	<0.5	<2	2.25	2.4	7	73	47
1125007012		0.57		0.036	0.7	3.99	20	10	60	<0.5	<2	3.54	<0.5	48	127	84
1126027004		0.47		0.031	0.8	1.06	28	10	30	<0.5	<2	2.68	<0.5	7	206	16
1126027009		0.50		0.109	0.3	1.02	28	10	40	<0.5	<2	2.20	<0.5	7	95	15
1126026121		0.55		1.550	2.5	0.33	154	10	60	<0.5	<2	1.27	8.6	6	252	90
1126026119		0.47		0.680	1.4	0.54	100	10	80	<0.5	<2	1.93	11.7	7	168	67
1126030042		0.50		0.238	1.5	0.73	152	<10	30	<0.5	<2	1.06	3.7	9	192	50
1125022167		0.52		0.022	0.2	1.56	8	<10	40	<0.5	<2	1.94	<0.5	7	294	61
1126030027		0.44		0.064	0.6	1.00	52	<10	30	<0.5	<2	1.89	7.5	5	127	28
1126030007		0.45		0.827	10.0	0.82	192	<10	30	<0.5	<2	0.59	21.4	7	172	105
1126030053		0.50		0.532	0.9	1.32	50	<10	30	<0.5	<2	1.10	8.6	6	208	39
1125022009		0.53		<0.005	<0.2	1.74	4	<10	40	<0.5	<2	1.80	<0.5	6	316	6
1125022027		0.51		0.017	<0.2	1.51	12	<10	50	<0.5	<2	2.32	<0.5	10	218	12
1125022108		0.51		0.023	<0.2	1.88	10	<10	60	<0.5	<2	2.99	<0.5	9	310	19
1126030119		0.50		0.149	0.8	1.01	104	<10	30	<0.5	<2	1.35	1.4	8	200	20
V829082		0.06		0.200	1.5	0.81	3	<10	40	<0.5	<2	0.44	<0.5	9	11	51
1126029057		0.49		0.466	2.6	0.96	35	<10	40	<0.5	<2	2.04	3.3	7	284	57
1126029504		0.45		0.111	1.0	1.17	37	<10	30	<0.5	<2	1.77	<0.5	7	143	22
1126031023		0.52		1.150	2.2	0.56	98	<10	40	<0.5	<2	1.57	4.3	5	125	33
1126029517		0.49		0.119	1.6	0.90	45	<10	40	<0.5	<2	1.35	0.9	8	164	31
1126031101		0.44		0.472	0.7	1.42	116	<10	20	<0.5	<2	0.59	0.9	10	167	25
1125008021		0.52		0.054	0.3	1.04	5	<10	30	<0.5	<2	1.15	<0.5	6	307	36

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1126030064		2.28	<10	1	0.41	10	0.89	1100	1	<0.01	8	360	104	1.55	<2	<1
1125022166		1.89	<10	<1	0.15	10	0.61	403	2	0.06	14	400	3	0.29	<2	1
1126030109		2.40	<10	<1	0.35	10	0.73	1015	1	<0.01	8	370	176	1.96	<2	<1
1125021011		1.98	<10	1	0.12	10	0.65	432	1	0.04	10	390	3	0.35	<2	1
1126030129		2.55	<10	<1	0.23	20	0.61	557	1	<0.01	10	410	44	2.20	5	<1
1126030060		2.34	<10	1	0.25	10	0.75	1180	1	<0.01	8	370	193	2.11	<2	<1
1125008148		2.99	10	<1	0.18	10	0.70	332	1	0.05	12	380	3	1.44	<2	1
1126031022		1.96	<10	<1	0.26	10	0.78	1445	1	0.01	9	420	93	1.62	2	1
1125021118		1.94	<10	<1	0.26	10	0.73	452	1	0.04	10	400	2	0.25	<2	1
1125021156		2.27	<10	<1	0.19	10	0.91	600	1	0.04	10	380	2	0.43	<2	1
1125021001		1.99	<10	<1	0.14	10	0.69	418	1	0.04	9	380	<2	0.35	<2	1
1125021189		2.24	<10	<1	0.25	10	0.88	461	2	0.05	25	500	<2	0.21	<2	3
1125021005		2.44	<10	<1	0.20	10	0.75	631	1	0.05	10	350	4	0.68	<2	1
1125008113		2.35	<10	<1	0.16	10	0.61	514	1	0.05	10	420	75	0.97	<2	1
1125021143		2.01	<10	<1	0.15	10	0.73	393	1	0.04	9	390	<2	0.24	<2	1
1126031198		2.47	<10	<1	0.26	10	1.19	599	<1	0.01	13	380	20	1.36	<2	1
1126031245		3.34	<10	<1	0.26	10	0.47	401	<1	<0.01	7	330	47	2.89	3	<1
V829081		1.63	<10	<1	0.17	10	0.35	177	16	0.13	9	560	7	0.07	<2	2
1126027217		1.99	<10	<1	0.14	10	0.71	472	1	0.04	9	350	45	2.10	<2	1
1125007012		11.70	10	<1	0.25	<10	1.41	1730	<1	0.29	74	690	7	2.38	2	17
1126027004		1.44	<10	<1	0.12	10	0.61	415	1	0.06	10	360	3	0.80	<2	1
1126027009		1.71	<10	<1	0.14	10	0.69	346	1	0.05	9	210	13	1.23	<2	<1
1126026121		2.47	<10	<1	0.23	10	0.06	339	1	<0.01	8	370	619	2.77	2	<1
1126026119		2.12	<10	<1	0.34	10	0.54	1985	1	<0.01	7	380	313	2.03	<2	<1
1126030042		2.26	<10	<1	0.22	10	0.43	462	1	0.01	38	420	21	2.01	2	<1
1125022167		1.93	<10	<1	0.13	10	0.72	446	1	0.11	13	400	3	0.37	<2	1
1126030027		1.76	<10	<1	0.28	10	0.89	1315	<1	<0.01	7	350	51	1.10	<2	<1
1126030007		2.66	<10	<1	0.32	10	0.32	339	1	0.01	8	370	75	2.78	10	<1
1126030053		2.00	<10	<1	0.42	10	1.02	969	1	<0.01	6	360	63	1.13	<2	1
1125022009		1.72	<10	<1	0.12	10	0.62	301	1	0.14	12	330	2	0.05	<2	1
1125022027		2.05	<10	<1	0.14	10	0.91	449	1	0.07	25	410	2	0.43	<2	1
1125022108		2.14	10	<1	0.17	10	1.05	496	1	0.12	23	420	<2	0.38	<2	2
1126030119		2.25	<10	<1	0.24	10	0.81	715	<1	<0.01	11	410	17	1.73	2	1
V829082		2.44	<10	<1	0.20	10	0.35	242	4	0.14	11	490	17	0.04	<2	2
1126029057		2.22	<10	<1	0.22	10	0.87	1575	1	0.03	11	530	317	2.18	<2	1
1126029504		1.78	<10	<1	0.15	10	0.98	751	1	0.03	8	400	19	1.47	<2	<1
1126031023		1.72	<10	<1	0.28	10	0.57	1155	<1	0.01	8	420	479	1.66	2	<1
1126029517		2.51	<10	<1	0.23	10	0.46	638	1	0.05	12	420	71	2.60	<2	1
1126031101		2.91	<10	<1	0.18	10	1.09	522	1	0.01	12	350	16	1.86	2	1
1125008021		2.06	<10	<1	0.15	10	0.68	381	1	0.05	10	380	<2	0.41	<2	2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1126030064		70	<20	0.01	<10	<10	6	<10	3230	0.34	1.44	32	9.0	-13	45.0	0.71
1125022166		45	<20	0.01	<10	<10	14	<10	110	0.68	0.28	51	9.5	42	8.8	5.83
1126030109		29	<20	0.01	<10	<10	5	<10	3490	0.46	1.79	38	8.9	-18	55.9	0.68
1125021011		32	<20	0.01	<10	<10	14	<10	67	0.59	0.31	48	9.5	38	9.7	4.95
1126030129		11	<20	<0.01	<10	<10	5	<10	2340	0.27	2.15	26	8.6	-41	67.2	0.39
1126030060		69	<20	<0.01	<10	<10	3	<10	4150	0.63	2.09	51	8.9	-14	65.3	0.78
1125008148		29	<20	0.03	<10	<10	17	<10	36	0.52	1.37	50	9.0	7	42.8	1.17
1126031022		30	<20	<0.01	<10	<10	4	<10	322	0.96	1.52	73	9.2	26	47.5	1.54
1125021118		39	<20	0.03	<10	<10	15	<10	75	0.64	0.23	52	9.7	45	7.2	7.23
1125021156		49	<20	0.02	<10	<10	13	<10	1200	0.63	0.38	54	9.5	42	11.9	4.55
1125021001		21	<20	0.02	<10	<10	18	<10	46	0.40	0.31	36	9.5	26	9.7	3.72
1125021189		53	<20	0.03	<10	<10	25	<10	95	0.81	0.17	68	9.6	63	5.3	12.80
1125021005		46	<20	0.02	<10	<10	13	<10	50	0.91	0.66	67	9.3	46	20.6	3.25
1125008113		39	<20	0.01	<10	<10	12	<10	849	0.54	1.00	49	9.2	18	31.3	1.57
1125021143		31	<20	0.02	<10	<10	16	<10	41	0.60	0.23	49	9.6	42	7.2	6.82
1126031198		15	<20	0.01	<10	<10	8	<10	714	0.20	1.34	24	9.0	-18	41.9	0.57
1126031245		9	<20	0.01	<10	<10	4	<10	5120	0.06	2.84	8	8.5	-81	88.8	0.09
V829081		20	<20	0.23	<10	<10	48	<10	33	0.01						
1126027217		59	<20	<0.01	<10	<10	3	<10	607	0.94	2.05	73	9.0	9	64.1	1.14
1125007012		152	<20	0.12	<10	<10	297	<10	217	1.14	2.62	150	8.5	68	81.9	1.83
1126027004		61	<20	<0.01	<10	<10	6	<10	60	0.86	0.82	71	9.3	45	25.6	2.77
1126027009		44	<20	<0.01	<10	<10	4	<10	65	0.69	1.23	58	9.0	20	38.4	1.51
1126026121		67	<20	<0.01	<10	<10	2	<10	2680	0.62	2.72	34	8.7	-51	85.0	0.40
1126026119		217	<20	<0.01	<10	<10	4	<10	3050	1.00	2.04	73	9.2	9	63.8	1.15
1126030042		13	<20	<0.01	<10	<10	4	10	900	0.34	2.03	30	8.8	-33	63.4	0.47
1125022167		69	<20	0.01	<10	<10	14	<10	147	0.65	0.37	50	9.5	38	11.6	4.32
1126030027		39	<20	<0.01	<10	<10	5	<10	1800	0.85	1.10	61	9.3	27	34.4	1.77
1126030007		11	<20	<0.01	<10	<10	4	<10	5110	0.17	2.98	17	8.0	-76	93.1	0.18
1126030053		24	<20	0.02	<10	<10	7	<10	2110	0.35	1.12	36	9.1	1	35.0	1.03
1125022009		99	<20	0.01	<10	<10	15	<10	64	0.46	0.05	43	9.6	41	1.6	27.52
1125022027		80	<20	<0.01	<10	<10	14	<10	78	0.77	0.43	65	9.5	52	13.4	4.84
1125022108		97	<20	0.01	<10	<10	19	<10	110	1.10	0.40	77	9.5	65	12.5	6.16
1126030119		18	<20	0.01	<10	<10	6	<10	372	0.47	1.68	42	8.8	-11	52.5	0.80
V829082		18	<20	0.37	<10	<10	57	<10	56	0.01						
1126029057		26	<20	<0.01	<10	<10	5	<10	817	1.33	2.19	76	9.0	8	68.4	1.11
1126029504		32	<20	<0.01	<10	<10	4	<10	76	0.78	1.39	62	8.9	19	43.4	1.43
1126031023		23	<20	<0.01	<10	<10	3	<10	1060	0.78	1.64	62	9.2	11	51.3	1.21
1126029517		29	<20	<0.01	<10	<10	4	<10	223	0.46	2.72	42	9.0	-43	85.0	0.49
1126031101		12	<20	0.01	<10	<10	8	<10	267	0.16	1.85	18	8.5	-40	57.8	0.31
1125008021		22	<20	0.03	<10	<10	20	<10	35	0.43	0.42	38	9.5	25	13.1	2.90

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1126030064		2
1125022166		2
1126030109		2
1125021011		2
1126030129		2
1126030060		2
1125008148		2
1126031022		2
1125021118		2
1125021156		2
1125021001		2
1125021189		2
1125021005		2
1125008113		2
1125021143		2
1126031198		2
1126031245		1
V829081		
1126027217		2
1125007012		3
1126027004		2
1126027009		2
1126026121		2
1126026119		2
1126030042		2
1125022167		2
1126030027		2
1126030007		1
1126030053		2
1125022009		2
1125022027		2
1125022108		2
1126030119		2
V829082		
1126029057		2
1126029504		2
1126031023		2
1126029517		2
1126031101		1
1125008021		2

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CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1125008171		0.53		0.060	0.2	1.30	13	<10	70	<0.5	<2	1.45	<0.5	124	275	23
1126029083		0.40		0.566	2.4	1.18	27	<10	40	<0.5	<2	1.66	1.4	7	201	36
1126029030		0.46		0.072	1.1	1.06	31	<10	40	<0.5	<2	2.08	0.6	6	138	26
1126029029		0.46		0.107	1.3	0.96	38	<10	40	<0.5	<2	1.86	<0.5	8	142	31
1126029012		0.49		0.184	3.4	0.88	63	<10	40	<0.5	<2	1.72	2.9	8	118	89
1125008124		0.68		0.100	0.2	1.14	3	<10	50	<0.5	<2	1.71	<0.5	9	286	37
1125008203		0.46		0.009	<0.2	1.85	8	<10	130	<0.5	<2	2.03	<0.5	12	195	9
1232001010		0.35		0.169	0.8	0.91	27	<10	30	<0.5	<2	0.84	0.8	10	170	22
1232001040		0.56		0.039	1.0	1.90	7	<10	60	<0.5	2	2.43	0.5	10	155	13
1232001018		0.51	85.9	0.070	1.0	2.04	21	<10	80	<0.5	<2	1.96	<0.5	11	165	26
1125008173		0.45		0.050	0.2	1.03	3	<10	40	<0.5	<2	1.65	<0.5	9	216	22
1232001152		0.68		0.206	0.7	1.22	36	<10	30	<0.5	<2	1.67	0.8	9	141	24
V829083		0.06		6.79	5.1	0.78	<2	<10	50	<0.5	<2	0.51	<0.5	6	10	39
1126031238		0.51		1.805	1.5	0.83	187	<10	40	<0.5	<2	0.28	21.5	6	165	108
1126031265		0.51		1.705	2.7	1.07	126	<10	170	<0.5	<2	1.45	17.0	10	159	76
1126031050		0.47		0.597	1.2	0.70	373	<10	30	<0.5	<2	1.18	4.5	7	217	39
1126031258		0.55		0.983	2.4	0.68	153	<10	60	<0.5	2	0.48	16.7	6	231	101
1126031257		0.51		0.430	1.4	0.59	111	<10	70	<0.5	2	0.43	11.6	7	182	60
1126031001		0.44		0.476	0.6	1.37	80	<10	30	<0.5	2	1.20	3.7	9	167	31
1126031059		0.47		0.606	1.8	0.73	264	<10	20	<0.5	<2	1.15	15.2	8	182	57
1126031196		0.52		0.449	1.1	1.05	400	<10	20	<0.5	<2	0.17	11.0	7	98	101
1126031277		0.58		1.065	1.5	1.04	81	<10	90	<0.5	<2	0.73	15.8	6	153	69
1126031036		0.44		0.425	0.2	1.17	47	<10	210	0.5	<2	2.43	2.6	12	130	36
1126031148		0.41		0.921	0.7	1.74	94	<10	30	<0.5	<2	0.45	1.9	10	212	27
1126029101		0.56		0.747	9.1	0.51	155	<10	30	<0.5	<2	1.48	29.5	8	314	364
1126029624		0.48		1.620	1.9	0.87	32	<10	30	<0.5	<2	1.89	2.5	8	230	63
1126029606		0.52		0.298	3.2	0.60	44	<10	20	<0.5	<2	1.86	2.9	8	170	95
1126031173		0.51		0.188	1.2	0.61	224	<10	40	<0.5	<2	0.74	4.9	7	125	46
1126029503		0.37		0.093	1.4	0.93	38	<10	30	<0.5	2	2.04	<0.5	8	160	24
1126031141		0.53		0.502	1.3	0.73	209	<10	20	<0.5	<2	1.09	13.2	7	214	65
1126029064		0.39		0.550	6.0	0.78	36	<10	40	<0.5	<2	0.64	1.8	9	288	49
1126029061		0.54		0.327	3.5	0.84	37	<10	30	<0.5	<2	2.48	2.8	8	194	69
1126029118		0.61		0.353	3.0	0.59	22	<10	20	<0.5	<2	2.18	1.9	7	175	43
V829084		0.06		0.202	1.3	0.77	<2	<10	40	<0.5	<2	0.41	<0.5	9	11	49
1125003227		0.57		0.048	0.3	1.11	11	<10	110	<0.5	<2	2.04	0.7	9	118	39
1126027142		0.55		0.049	0.7	0.84	42	<10	30	<0.5	<2	0.84	0.9	8	120	17
1126027030		0.69		0.173	2.0	0.36	27	<10	30	<0.5	<2	2.88	1.3	8	190	55
1125003010		0.45		0.154	0.4	1.33	6	<10	60	<0.5	<2	1.39	<0.5	10	205	40
1126026145		0.50		0.809	1.5	0.87	49	<10	20	<0.5	<2	1.66	1.3	7	285	39
1125003026		0.47		0.018	<0.2	1.09	6	<10	60	<0.5	<2	1.11	<0.5	12	225	15

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1125008171		2.32	10	<1	0.30	10	0.76	373	4	0.05	52	410	7	0.41	<2	2
1126029083		1.89	<10	<1	0.24	10	0.50	768	1	0.04	10	410	95	1.79	<2	1
1126029030		1.96	<10	<1	0.24	10	1.01	1230	<1	0.03	8	450	41	1.99	<2	1
1126029029		2.19	<10	<1	0.19	10	0.85	1050	1	0.03	8	410	29	2.20	<2	1
1126029012		2.35	<10	<1	0.23	10	0.69	1205	1	0.05	11	460	411	2.44	4	1
1125008124		2.25	<10	1	0.15	10	0.71	360	2	0.05	14	490	4	0.34	<2	2
1125008203		2.35	10	<1	0.46	20	0.86	331	1	0.11	14	610	6	0.23	<2	2
1232001010		1.76	<10	1	0.21	20	0.56	528	1	0.01	12	550	116	0.86	<2	1
1232001040		2.39	10	<1	0.25	30	0.80	765	1	0.12	14	620	12	0.85	<2	2
1232001018		2.42	10	1	0.42	30	0.91	618	1	0.13	18	690	13	0.72	<2	2
1125008173		1.87	<10	<1	0.15	10	0.55	350	1	0.04	10	370	3	0.31	<2	1
1232001152		1.90	<10	1	0.18	10	0.70	619	1	0.06	12	450	37	1.10	<2	1
V829083		1.64	<10	<1	0.17	10	0.35	182	16	0.12	10	590	9	0.08	<2	2
1126031238		2.75	<10	<1	0.35	10	0.25	268	1	<0.01	7	480	120	2.68	<2	<1
1126031265		2.52	<10	<1	0.76	10	0.81	862	1	<0.01	16	960	146	1.98	<2	3
1126031050		2.21	<10	<1	0.24	10	0.41	694	1	<0.01	9	410	81	2.04	<2	<1
1126031258		2.70	<10	<1	0.35	10	0.34	719	1	<0.01	9	350	185	2.79	<2	<1
1126031257		2.33	<10	1	0.33	10	0.37	895	1	<0.01	8	340	255	2.30	<2	<1
1126031001		3.20	<10	<1	0.30	10	0.89	633	1	0.01	11	360	17	2.68	<2	1
1126031059		2.61	<10	<1	0.20	10	0.44	559	1	<0.01	10	390	10	2.50	<2	<1
1126031196		2.89	<10	1	0.25	10	0.45	369	1	<0.01	8	410	22	1.92	<2	<1
1126031277		2.53	<10	1	0.54	10	0.66	932	1	<0.01	9	430	168	2.10	<2	1
1126031036		2.41	<10	<1	0.69	20	1.06	1070	<1	<0.01	17	1390	22	1.31	<2	3
1126031148		2.40	<10	1	0.27	10	1.18	529	1	0.01	14	360	39	1.23	<2	1
1126029101		2.32	<10	2	0.21	10	0.55	1090	1	0.01	12	420	401	2.67	18	<1
1126029624		1.94	<10	1	0.23	10	0.74	1050	1	0.02	10	420	30	1.90	<2	1
1126029606		2.00	<10	1	0.16	10	0.86	1630	1	0.01	10	410	75	1.97	<2	<1
1126031173		1.98	<10	<1	0.33	10	0.24	668	1	<0.01	8	390	480	2.10	2	<1
1126029503		1.92	<10	<1	0.14	10	0.91	856	1	0.02	8	400	13	1.66	<2	1
1126031141		2.48	<10	1	0.19	10	0.44	523	1	<0.01	8	390	18	2.29	<2	<1
1126029064		2.20	<10	1	0.27	10	0.24	546	1	0.02	13	570	101	2.31	2	<1
1126029061		2.37	<10	<1	0.20	10	0.93	1920	1	0.02	8	480	77	2.43	<2	1
1126029118		1.89	<10	1	0.14	10	0.37	1025	1	0.01	9	420	307	2.03	<2	<1
V829084		2.32	<10	<1	0.20	10	0.33	234	3	0.13	11	500	19	0.04	<2	2
1125003227		2.01	<10	<1	0.24	10	0.72	412	2	0.03	11	590	7	0.59	<2	1
1126027142		1.54	<10	<1	0.12	10	0.44	271	1	0.06	9	380	14	1.35	<2	1
1126027030		2.14	<10	1	0.18	10	0.66	1870	1	0.01	12	410	155	2.34	<2	<1
1125003010		2.46	<10	<1	0.20	10	0.75	391	1	0.05	11	390	2	0.67	<2	2
1126026145		1.91	<10	1	0.20	10	0.56	931	1	0.01	9	390	274	1.58	<2	<1
1125003026		2.04	<10	1	0.25	10	0.62	283	1	0.05	9	380	3	0.31	<2	2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1125008171		26	<20	0.05	<10	<10	21	320	94	0.42	0.39	41	9.5	29	12.2	3.36
1126029083		23	<20	<0.01	<10	<10	5	<10	348	0.61	1.71	47	8.8	-6	53.4	0.88
1126029030		40	<20	<0.01	<10	<10	5	<10	147	1.02	1.97	81	9.2	19	61.6	1.32
1126029029		31	<20	<0.01	<10	<10	4	<10	131	0.80	2.25	66	9.0	-4	70.3	0.94
1126029012		40	<20	<0.01	<10	<10	4	<10	733	0.73	2.51	60	9.2	-18	78.4	0.76
1125008124		38	<20	0.02	<10	<10	20	<10	46	0.58	0.32	52	9.7	42	10.0	5.20
1125008203		90	<20	0.08	<10	<10	35	<10	66	0.51	0.21	53	9.6	46	6.6	8.08
1232001010		15	<20	0.01	<10	<10	8	<10	248	0.33	0.75	29	8.9	6	23.4	1.24
1232001040		96	<20	0.07	<10	<10	25	<10	151	0.59	0.84	54	9.2	28	26.3	2.06
1232001018		97	<20	0.09	<10	<10	29	<10	131	0.44	0.74	50	9.3	27	23.1	2.16
1125008173		28	<20	0.02	<10	<10	15	<10	50	0.49	0.30	46	9.5	37	9.4	4.91
1232001152		36	<20	0.01	<10	<10	12	<10	247	0.54	1.06	45	8.8	12	33.1	1.36
V829083		20	<20	0.23	<10	<10	49	<10	33	0.02						
1126031238		19	<20	0.01	<10	<10	4	<10	4980	0.07	2.56	11	8.8	-69	80.0	0.14
1126031265		138	<20	0.06	<10	<10	19	<10	3990	0.47	1.84	49	9.1	-9	57.5	0.85
1126031050		13	<20	<0.01	<10	<10	3	<10	1050	0.44	2.01	35	8.8	-28	62.8	0.56
1126031258		53	<20	0.01	<10	<10	4	<10	4090	0.21	2.91	20	8.6	-71	90.9	0.22
1126031257		86	<20	0.01	<10	<10	4	<10	2780	0.23	2.32	21	8.7	-52	72.5	0.29
1126031001		18	<20	0.02	<10	<10	6	<10	948	0.39	2.69	35	8.6	-49	84.1	0.42
1126031059		11	<20	<0.01	<10	<10	3	<10	3860	0.41	2.52	35	8.8	-44	78.8	0.44
1126031196		8	<20	0.01	<10	<10	4	<10	2500	0.04	1.85	9	8.5	-49	57.8	0.16
1126031277		85	<20	0.02	<10	<10	9	<10	3620	0.32	2.03	32	9.1	-31	63.4	0.50
1126031036		181	<20	0.04	<10	<10	20	<10	664	1.00	1.29	79	9.3	39	40.3	1.96
1126031148		13	<20	<0.01	<10	<10	8	<10	494	0.12	1.23	18	8.9	-20	38.4	0.47
1126029101		13	<20	<0.01	<10	<10	3	<10	7010	0.78	2.65	58	8.9	-25	82.8	0.70
1126029624		23	<20	<0.01	<10	<10	4	<10	622	0.88	1.87	70	9.0	12	58.4	1.20
1126029606		20	<20	<0.01	<10	<10	3	<10	696	1.09	1.94	76	9.1	15	60.6	1.25
1126031173		15	<20	<0.01	<10	<10	3	<10	1130	0.31	2.01	27	9.1	-36	62.8	0.43
1126029503		30	<20	<0.01	<10	<10	4	<10	81	0.97	1.55	75	8.8	27	48.4	1.55
1126031141		11	<20	<0.01	<10	<10	4	<10	3270	0.34	2.08	31	8.6	-34	65.0	0.48
1126029064		15	<20	<0.01	<10	<10	4	<10	417	0.28	2.24	22	8.5	-48	70.0	0.31
1126029061		26	<20	<0.01	<10	<10	4	<10	694	1.18	2.47	90	8.8	13	77.2	1.17
1126029118		18	<20	<0.01	<10	<10	2	<10	459	0.79	2.01	61	8.9	-2	62.8	0.97
V829084		18	<20	0.36	<10	<10	55	<10	54	0.01						
1125003227		75	<20	0.02	<10	<10	14	<10	199	0.65	0.60	59	9.5	40	18.8	3.15
1126027142		33	<20	<0.01	<10	<10	5	<10	300	0.24	1.35	22	9.0	-20	42.2	0.52
1126027030		25	<20	<0.01	<10	<10	2	<10	330	1.41	2.42	105	8.8	29	75.6	1.39
1125003010		27	<20	0.03	<10	<10	18	<10	56	0.44	0.67	44	9.3	23	20.9	2.10
1126026145		16	<20	<0.01	<10	<10	4	<10	544	0.63	1.60	46	8.8	-4	50.0	0.92
1125003026		22	<20	0.04	<10	<10	21	10	38	0.33	0.28	34	9.5	25	8.8	3.89

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1125008171		2
1126029083		2
1126029030		2
1126029029		2
1126029012		2
1125008124		2
1125008203		2
1232001010		2
1232001040		2
1232001018		2
1125008173		2
1232001152		2
V829083		
1126031238		1
1126031265		2
1126031050		2
1126031258		2
1126031257		2
1126031001		2
1126031059		2
1126031196		1
1126031277		2
1126031036		2
1126031148		2
1126029101		2
1126029624		2
1126029606		2
1126031173		2
1126029503		2
1126031141		2
1126029064		2
1126029061		2
1126029118		2
V829084		
1125003227		2
1126027142		2
1126027030		3
1125003010		2
1126026145		2
1125003026		2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1125003030		0.56		0.012	<0.2	1.12	2	<10	50	<0.5	<2	1.70	<0.5	9	299	32
1125007089		0.52		0.196	0.6	1.19	18	<10	50	<0.5	<2	2.14	<0.5	9	129	17
1126026150		0.58		0.065	1.0	0.53	38	<10	40	<0.5	<2	2.16	<0.5	6	118	19
1126027047		0.36		0.242	6.0	0.55	41	<10	40	<0.5	<2	2.19	2.5	8	282	100
1126027161		0.51		1.045	11.1	0.77	72	<10	40	<0.5	<2	1.36	8.2	9	125	293
1126026210		0.44		0.388	1.2	0.39	49	<10	20	<0.5	<2	1.98	0.6	6	102	19
1125003091		0.53		0.025	0.2	1.12	4	<10	50	<0.5	<2	1.58	<0.5	7	177	16
1125007033		0.45		0.030	<0.2	1.35	2	<10	150	<0.5	<2	2.48	<0.5	12	130	18
1126027164		0.53		0.189	2.8	0.40	24	<10	20	<0.5	<2	2.60	1.1	8	99	46
1126027201		0.60		0.148	1.9	0.48	34	<10	20	<0.5	<2	2.47	1.1	12	92	46
1126026241		0.50		0.708	1.4	0.38	60	<10	20	<0.5	<2	1.92	3.5	5	93	34
1125007004		0.53		0.392	0.7	2.10	16	<10	60	<0.5	<2	2.19	<0.5	11	207	31
1125007029		0.52		0.037	0.4	2.10	9	<10	80	<0.5	<2	2.48	<0.5	14	181	28
1125007036		0.58		0.113	1.1	2.70	31	<10	70	<0.5	<2	3.08	<0.5	34	94	66
V829085		0.06		6.70	4.8	0.85	<2	<10	50	<0.5	<2	0.56	<0.5	6	10	38
1125004028		0.54		0.028	0.2	1.64	6	<10	120	<0.5	<2	1.65	<0.5	8	206	11
1127040453		0.62		0.132	0.6	0.39	62	<10	30	<0.5	<2	1.06	2.1	3	82	19
1125004031		0.52		0.095	0.6	1.04	6	<10	50	<0.5	<2	1.49	<0.5	7	267	8
1125004013		0.48		0.013	<0.2	1.60	3	<10	170	<0.5	<2	1.79	<0.5	10	210	9
1127040465		0.43	92.1	0.719	0.6	1.18	413	<10	30	<0.5	<2	0.87	6.2	5	111	21
1127040480		0.50		0.427	0.6	1.56	85	<10	30	<0.5	<2	0.42	5.7	9	124	44
1126028103		0.52		0.581	1.7	0.58	20	<10	30	<0.5	<2	2.18	1.3	7	243	29
1127040405		0.40		0.535	0.5	2.36	51	<10	120	<0.5	<2	0.59	1.3	15	204	43
1125003161		0.48		0.024	0.5	1.33	9	<10	80	<0.5	<2	1.61	<0.5	23	250	59
1126028044		0.62		0.961	68.1	0.31	86	<10	20	<0.5	<2	1.55	5.3	8	144	251
1126028116		0.45		0.778	3.0	0.90	30	<10	40	<0.5	<2	2.31	2.1	8	184	30
1126028050		0.46		0.260	6.0	0.39	40	<10	20	<0.5	2	1.40	3.9	8	107	91
1125004034		0.59		0.057	2.8	3.95	29	<10	110	<0.5	<2	3.05	3.4	42	109	184
1126028015		0.51		0.174	2.0	1.22	23	<10	30	<0.5	<2	1.28	0.5	7	143	21
1125003126		0.48		0.031	0.2	1.22	8	<10	60	<0.5	<2	1.62	<0.5	7	220	17
1126028449		0.51		0.154	4.1	0.35	45	<10	20	<0.5	<2	2.26	3.1	7	137	98
1125003208		0.56		0.110	0.6	1.09	12	<10	50	<0.5	<2	1.66	1.2	8	268	84
1126027130		0.52		0.139	0.8	1.09	24	<10	50	<0.5	<2	2.27	<0.5	6	130	29
1126028092		0.56		1.485	4.2	0.62	47	<10	20	<0.5	<2	2.20	5.2	6	77	77
V829086		0.06		0.192	1.5	0.79	2	<10	40	<0.5	<2	0.42	<0.5	9	11	50
1126026165		0.43		0.172	0.9	1.00	41	<10	30	<0.5	<2	0.98	0.5	7	160	20
1125003005		0.48		0.015	<0.2	1.09	4	<10	70	<0.5	<2	1.13	<0.5	8	127	15
1126026273		0.53		0.134	0.6	1.60	29	<10	20	<0.5	3	1.52	1.2	5	82	19
1125003002		0.59		0.015	<0.2	1.30	5	<10	60	<0.5	<2	1.42	<0.5	6	170	13
1127040081		0.47		1.615	2.7	0.49	444	<10	20	<0.5	<2	0.40	27.0	6	83	229

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1125003030		1.99	<10	<1	0.17	10	0.65	381	1	0.05	12	430	2	0.19	<2	1
1125007089		2.24	<10	<1	0.19	10	0.59	742	1	0.05	12	460	13	1.13	<2	1
1126026150		1.79	<10	<1	0.25	10	0.64	1265	<1	0.01	7	380	36	1.62	2	<1
1126027047		2.53	<10	<1	0.24	10	0.60	1735	2	0.02	12	420	282	2.69	6	<1
1126027161		2.36	<10	1	0.23	10	0.55	1460	1	0.02	14	390	361	2.60	3	<1
1126026210		1.70	<10	<1	0.20	10	0.66	1440	<1	<0.01	7	370	78	1.49	2	<1
1125003091		1.99	<10	<1	0.17	10	0.70	363	<1	0.04	11	430	<2	0.32	<2	2
1125007033		2.62	10	<1	0.36	10	1.09	508	<1	0.06	29	500	<2	0.12	<2	3
1126027164		2.28	<10	<1	0.17	10	0.89	1570	1	0.01	11	400	86	2.52	5	<1
1126027201		2.23	<10	<1	0.16	10	1.03	1440	1	0.02	12	430	77	2.35	3	<1
1126026241		1.67	<10	<1	0.21	10	0.75	1645	<1	<0.01	6	400	171	1.37	<2	<1
1125007004		2.29	10	<1	0.23	20	0.96	679	1	0.11	22	530	17	0.59	<2	2
1125007029		3.32	10	<1	0.27	20	1.09	664	1	0.09	27	540	8	0.90	<2	4
1125007036		8.98	10	<1	0.25	10	1.37	1345	<1	0.10	57	670	4	2.58	2	11
V829085		1.68	<10	<1	0.18	10	0.37	185	19	0.14	10	580	7	0.07	<2	2
1125004028		2.09	10	<1	0.48	20	0.79	533	1	0.11	14	500	<2	0.31	<2	2
1127040453		1.15	<10	<1	0.23	10	0.30	564	1	<0.01	7	470	86	1.12	3	<1
1125004031		1.83	<10	<1	0.18	10	0.67	506	2	0.06	13	430	<2	0.68	<2	1
1125004013		2.40	10	<1	0.63	20	0.98	522	1	0.08	21	540	2	0.18	2	4
1127040465		2.89	<10	<1	0.32	10	0.62	644	1	0.01	9	390	23	2.27	<2	1
1127040480		2.65	<10	<1	0.19	10	1.17	571	1	0.01	13	360	13	1.79	2	1
1126028103		2.10	<10	<1	0.19	10	0.79	1415	1	0.01	11	420	48	2.13	<2	<1
1127040405		3.47	<10	<1	0.49	20	1.90	951	1	0.01	38	930	31	1.60	2	4
1125003161		2.02	<10	<1	0.32	10	0.77	391	5	0.06	17	430	3	0.48	<2	2
1126028044		2.28	<10	1	0.15	10	0.70	1730	<1	0.01	11	430	569	2.63	54	<1
1126028116		2.22	<10	<1	0.22	10	0.71	1250	1	0.02	12	410	293	2.28	<2	1
1126028050		1.57	<10	<1	0.16	10	0.15	599	1	0.01	11	410	173	1.83	3	<1
1125004034		10.65	10	<1	0.66	<10	1.63	1555	1	0.21	67	800	9	3.39	3	14
1126028015		1.94	<10	<1	0.18	10	0.67	1205	<1	0.03	8	380	29	1.94	2	<1
1125003126		2.06	<10	<1	0.18	10	0.62	406	7	0.06	14	390	2	0.37	<2	1
1126028449		1.98	<10	<1	0.14	<10	0.61	1885	1	0.01	10	390	284	2.21	5	<1
1125003208		2.24	<10	<1	0.16	10	0.70	595	1	0.05	11	430	<2	0.58	<2	1
1126027130		2.00	<10	<1	0.28	10	0.85	505	1	0.07	10	370	24	2.08	2	1
1126028092		1.92	<10	<1	0.17	10	0.73	1255	<1	0.01	9	410	251	2.10	3	<1
V829086		2.43	<10	<1	0.20	10	0.35	240	4	0.13	10	510	19	0.04	<2	2
1126026165		2.07	<10	<1	0.25	10	0.50	427	1	0.04	9	400	86	2.09	<2	<1
1125003005		1.95	<10	<1	0.30	10	0.65	291	1	0.05	12	390	3	0.52	<2	2
1126026273		1.61	<10	<1	0.19	10	1.30	813	1	0.02	8	360	82	0.98	<2	1
1125003002		1.88	10	<1	0.22	10	0.69	279	1	0.08	12	390	4	0.35	<2	2
1127040081		3.79	<10	<1	0.22	10	0.22	443	1	<0.01	7	350	241	4.09	<2	<1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1125003030		35	<20	0.02	<10	<10	16	<10	69	0.56	0.17	49	9.6	44	5.3	9.22
1125007089		49	<20	0.03	<10	<10	11	<10	150	0.60	1.14	54	8.9	18	35.6	1.52
1126026150		25	<20	<0.01	<10	<10	2	<10	132	1.01	1.57	78	9.1	29	49.1	1.59
1126027047		25	<20	<0.01	<10	<10	3	<10	624	1.19	2.56	77	8.8	-3	80.0	0.96
1126027161		20	<20	<0.01	<10	<10	3	<10	1985	0.64	2.49	52	8.9	-26	77.8	0.67
1126026210		23	<20	<0.01	<10	<10	2	<10	201	0.99	1.44	77	8.9	32	45.0	1.71
1125003091		27	<20	0.02	<10	<10	19	<10	45	0.50	0.31	44	9.5	34	9.7	4.54
1125007033		97	<20	0.04	<10	<10	43	<10	70	0.85	0.10	71	9.5	68	3.1	22.72
1126027164		24	<20	<0.01	<10	<10	2	<10	287	1.27	2.47	106	9.0	29	77.2	1.37
1126027201		27	<20	<0.01	<10	<10	2	10	293	1.26	2.09	101	9.1	36	65.3	1.55
1126026241		36	<20	<0.01	<10	<10	2	<10	920	1.06	1.32	80	9.1	39	41.3	1.94
1125007004		87	<20	0.06	<10	<10	23	<10	153	0.48	0.56	46	9.3	29	17.5	2.63
1125007029		93	<20	0.10	<10	<10	56	<10	108	0.60	0.83	57	9.2	31	25.9	2.20
1125007036		85	<20	0.10	<10	<10	209	<10	212	0.97	2.72	135	8.6	50	85.0	1.59
V829085		21	<20	0.24	<10	<10	50	<10	32	0.01						
1125004028		66	<20	0.07	<10	<10	27	<10	83	0.42	0.28	43	9.6	34	8.8	4.91
1127040453		16	<20	<0.01	<10	<10	2	<10	495	0.47	1.11	38	9.0	3	34.7	1.10
1125004031		25	<20	0.02	<10	<10	20	<10	73	0.44	0.66	40	9.5	19	20.6	1.94
1125004013		63	<20	0.09	<10	<10	43	<10	98	0.51	0.17	49	9.7	44	5.3	9.22
1127040465		13	<20	<0.01	<10	<10	6	<10	1630	0.29	2.27	29	8.9	-42	70.9	0.41
1127040480		11	<20	<0.01	<10	<10	6	<10	1415	0.13	1.70	14	8.5	-39	53.1	0.26
1126028103		19	<20	<0.01	<10	<10	3	<10	342	1.03	2.05	80	9.0	16	64.1	1.25
1127040405		34	<20	0.04	<10	<10	40	<10	468	0.16	1.55	20	8.6	-28	48.4	0.41
1125003161		42	<20	0.03	<10	<10	17	70	120	0.49	0.43	45	9.3	32	13.4	3.35
1126028044		16	<20	<0.01	<10	<10	2	<10	1280	0.85	2.57	66	9.0	-14	80.3	0.82
1126028116		32	<20	<0.01	<10	<10	4	<10	543	0.99	2.22	80	9.0	11	69.4	1.15
1126028050		11	<20	<0.01	<10	<10	2	<10	969	0.47	1.85	39	8.9	-19	57.8	0.67
1125004034		87	<20	0.16	<10	<10	257	<10	789	0.90	3.48	71	8.4	-38	108.8	0.65
1126028015		25	<20	<0.01	<10	<10	4	<10	127	0.57	1.71	46	8.9	-7	53.4	0.86
1125003126		31	<20	0.01	<10	<10	16	<10	54	0.47	0.35	44	9.6	33	10.9	4.02
1126028449		21	<20	<0.01	<10	<10	2	<10	795	1.04	2.16	82	8.9	15	67.5	1.21
1125003208		43	<20	0.01	<10	<10	15	<10	363	0.64	0.54	52	9.5	35	16.9	3.08
1126027130		56	<20	<0.01	<10	<10	5	<10	77	0.95	2.00	77	9.2	15	62.5	1.23
1126028092		22	<20	<0.01	<10	<10	3	<10	1375	0.94	1.94	75	8.8	14	60.6	1.24
V829086		18	<20	0.37	<10	<10	57	<10	56	0.01						
1126026165		18	<20	<0.01	<10	<10	4	<10	175	0.25	2.05	26	8.8	-38	64.1	0.41
1125003005		26	<20	0.06	<10	<10	22	<10	44	0.32	0.46	34	9.5	20	14.4	2.37
1126026273		23	<20	0.04	<10	<10	8	<10	341	0.37	0.97	36	9.1	6	30.3	1.19
1125003002		51	<20	0.04	<10	<10	19	<10	43	0.39	0.33	38	9.5	28	10.3	3.68
1127040081		9	<20	<0.01	<10	<10	2	<10	6640	0.18	4.98	16	8.1	-140	155.6	0.10

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EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1125003030		2
1125007089		2
1126026150		2
1126027047		2
1126027161		2
1126026210		2
1125003091		2
1125007033		2
1126027164		3
1126027201		3
1126026241		2
1125007004		2
1125007029		2
1125007036		3
V829085		
1125004028		2
1127040453		2
1125004031		2
1125004013		2
1127040465		2
1127040480		1
1126028103		2
1127040405		1
1125003161		2
1126028044		2
1126028116		2
1126028050		2
1125004034		2
1126028015		2
1125003126		2
1126028449		2
1125003208		2
1126027130		2
1126028092		2
V829086		
1126026165		2
1125003005		2
1126026273		2
1125003002		2
1127040081		1

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CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1127040101		0.47		1.810	3.1	0.89	344	<10	30	<0.5	2	0.30	11.8	5	229	67
1127040044		0.48		0.327	1.0	0.58	329	<10	20	<0.5	<2	0.95	12.2	7	80	62
1126026108		0.49		0.406	0.9	1.51	47	<10	40	<0.5	2	1.68	0.9	8	101	33
1125003016		0.53		0.060	0.2	1.19	4	<10	60	<0.5	<2	0.92	<0.5	7	172	62
1127040040		0.46		0.343	1.7	0.50	1210	<10	30	<0.5	<2	1.29	7.4	7	115	34
1127040039		0.45		1.090	1.2	0.45	177	<10	30	<0.5	<2	1.05	4.6	6	138	37
1127040017		0.41		3.96	1.3	0.65	360	<10	20	<0.5	<2	0.42	11.7	6	157	129
1127040028		0.51		0.515	3.1	0.48	618	<10	40	<0.5	<2	0.81	33.2	6	139	266
1125005046		0.37		0.121	0.7	2.29	35	<10	90	0.5	<2	2.25	<0.5	9	95	27
1125005037		0.51		0.008	<0.2	1.57	5	<10	120	<0.5	<2	2.10	<0.5	11	106	3
1127040415		0.46		2.26	1.1	1.03	186	<10	30	<0.5	<2	0.75	2.4	8	128	50
1127040421		0.46		0.352	0.2	0.77	178	<10	20	<0.5	<2	1.72	8.1	5	199	20
V829087		0.06		6.69	5.0	0.90	<2	<10	50	<0.5	3	0.59	<0.5	7	10	40
1125006023		0.46		0.315	1.0	2.20	33	10	60	<0.5	<2	1.96	<0.5	14	60	37
1126020122		0.47		0.262	0.7	0.76	122	<10	30	<0.5	<2	1.60	1.9	6	165	25
1126020003		0.58		0.118	1.1	1.26	59	<10	20	<0.5	<2	0.78	11.3	6	115	27
1126020246		0.50		0.381	1.2	1.20	134	<10	30	<0.5	<2	0.63	8.2	8	166	38
1125003036		0.36		0.052	0.2	1.16	4	<10	50	<0.5	<2	1.28	<0.5	7	104	23
1125004085		0.53		0.031	0.3	1.37	6	<10	40	<0.5	<2	1.80	<0.5	5	195	18
1126026002		0.54		0.007	<0.2	1.13	3	<10	50	<0.5	<2	1.30	<0.5	6	170	12
1126026135		0.55		0.298	1.5	2.63	8	<10	50	<0.5	2	2.68	<0.5	22	132	66
1126020210		0.55		1.065	1.1	0.97	27	<10	30	<0.5	2	2.10	2.1	5	103	27
1126026168		0.45		0.106	0.5	2.50	29	<10	50	<0.5	<2	2.12	0.8	11	90	43
1125006014		0.52		0.322	0.9	2.80	9	<10	60	<0.5	<2	3.69	0.6	21	109	83
1126020191		0.51		0.387	2.3	0.91	118	<10	30	<0.5	3	0.93	17.9	6	192	67
1125005070		0.50		0.201	0.5	1.44	48	10	30	<0.5	<2	1.41	3.0	9	40	30
1126020123		0.50		0.190	0.6	0.99	106	<10	30	<0.5	<2	1.79	1.4	6	152	37
1125005083		0.49		0.360	0.8	1.70	61	<10	40	<0.5	<2	1.42	2.7	10	115	36
1126026133		0.52		0.205	0.6	1.97	36	<10	50	<0.5	<2	1.59	0.6	9	64	35
1125003039		0.48	86.1	0.010	<0.2	1.09	3	<10	50	<0.5	<2	1.60	<0.5	7	108	11
1127040082		0.48		0.418	3.1	0.45	259	<10	20	<0.5	3	0.38	9.6	6	81	42
1126026106		0.53		0.102	0.5	1.79	36	<10	40	<0.5	<2	1.44	1.0	8	102	32
V829088		0.06		0.188	1.4	0.85	2	<10	40	<0.5	3	0.46	<0.5	9	11	52

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1127040101		3.13	<10	1	0.26	10	0.51	737	1	<0.01	7	370	299	2.55	2	<1
1127040044		2.74	<10	<1	0.20	10	0.31	517	1	<0.01	8	400	63	2.88	<2	<1
1126026108		2.16	<10	<1	0.27	10	0.77	709	1	0.07	8	400	181	1.70	<2	1
1125003016		2.00	10	<1	0.23	10	0.61	262	1	0.06	9	380	3	0.32	<2	2
1127040040		2.95	<10	<1	0.32	10	0.34	954	1	<0.01	9	350	250	3.13	<2	<1
1127040039		1.94	<10	<1	0.27	10	0.37	1270	<1	<0.01	7	350	318	1.95	<2	<1
1127040017		2.28	<10	<1	0.21	10	0.40	477	1	<0.01	8	490	194	2.21	4	<1
1127040028		2.27	<10	1	0.26	10	0.25	571	1	0.01	8	390	1040	2.67	9	<1
1125005046		2.26	10	<1	0.28	20	1.09	631	1	0.07	12	840	22	1.13	<2	2
1125005037		2.52	10	<1	0.43	20	1.04	561	<1	0.08	18	680	6	0.16	<2	3
1127040415		2.83	<10	<1	0.32	10	0.51	385	1	0.01	7	350	133	2.61	<2	1
1127040421		2.32	<10	<1	0.27	10	0.64	1120	1	0.01	8	380	10	1.77	<2	<1
V829087		1.70	<10	<1	0.18	10	0.37	186	17	0.15	10	570	8	0.07	<2	2
1125006023		2.61	10	<1	0.18	20	1.21	534	1	0.04	25	870	7	0.79	<2	2
1126020122		2.05	<10	<1	0.24	10	0.56	788	1	0.01	7	380	17	1.53	<2	<1
1126020003		2.14	<10	<1	0.32	10	0.69	500	1	0.02	7	370	26	1.73	<2	1
1126020246		2.35	<10	1	0.29	10	0.73	432	1	0.01	11	410	25	1.81	<2	1
1125003036		1.96	10	<1	0.17	10	0.68	298	<1	0.05	11	400	2	0.41	<2	2
1125004085		1.72	10	1	0.16	10	0.77	506	2	0.09	16	390	3	0.51	<2	1
1126026002		1.80	<10	<1	0.20	20	0.52	279	1	0.06	5	450	3	0.11	<2	1
1126026135		4.69	10	<1	0.20	10	1.01	797	2	0.15	29	650	8	0.44	<2	8
1126020210		1.60	<10	<1	0.32	10	0.83	1170	2	0.01	5	380	173	1.36	<2	1
1126026168		2.36	10	<1	0.32	20	1.04	691	1	0.17	16	650	32	0.95	<2	2
1125006014		5.54	10	<1	0.30	10	1.43	1360	1	0.13	29	570	8	0.92	<2	8
1126020191		2.96	<10	<1	0.27	10	0.49	476	1	0.01	8	340	89	2.76	<2	<1
1125005070		2.33	<10	<1	0.17	20	0.88	683	<1	0.03	8	520	23	1.30	<2	1
1126020123		2.11	<10	<1	0.29	10	0.60	747	1	0.01	7	360	20	1.55	<2	1
1125005083		2.81	<10	<1	0.22	20	0.92	694	1	0.04	10	540	32	1.73	<2	1
1126026133		2.03	10	<1	0.29	20	0.90	552	1	0.14	12	500	23	1.27	<2	2
1125003039		1.73	<10	<1	0.14	10	0.60	301	<1	0.05	11	410	<2	0.20	<2	1
1127040082		3.71	<10	<1	0.21	10	0.22	484	1	<0.01	7	380	393	3.86	<2	<1
1126026106		2.02	10	<1	0.24	20	0.89	565	1	0.10	11	520	36	1.20	<2	1
V829088		2.47	<10	<1	0.20	10	0.35	243	4	0.15	10	500	22	0.04	<2	2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1127040101		12	<20	<0.01	<10	<10	4	<10	2920	0.23	2.53	15	8.1	-64	79.1	0.19
1127040044		10	<20	<0.01	<10	<10	3	<10	3000	0.31	2.72	27	8.4	-58	85.0	0.32
1126026108		34	<20	0.01	<10	<10	10	<10	325	0.44	1.52	42	9.0	-6	47.5	0.88
1125003016		24	<20	0.04	<10	<10	20	<10	40	0.25	0.29	27	9.6	18	9.1	2.98
1127040040		26	<20	<0.01	<10	<10	3	<10	1910	0.66	3.11	47	8.6	-50	97.2	0.48
1127040039		29	<20	<0.01	<10	<10	2	<10	1170	0.58	1.89	42	8.8	-17	59.1	0.71
1127040017		10	<20	<0.01	<10	<10	3	<10	2760	0.50	1.96	13	8.6	-48	61.3	0.21
1127040028		19	<20	<0.01	<10	<10	3	<10	8460	0.35	2.41	29	8.8	-46	75.3	0.39
1125005046		79	<20	0.06	<10	<10	20	<10	103	0.42	1.05	45	9.1	12	32.8	1.37
1125005037		172	<20	0.05	<10	<10	45	<10	108	0.61	0.15	56	9.4	51	4.7	11.95
1127040415		13	<20	0.01	<10	<10	5	<10	574	0.22	2.60	23	8.7	-58	81.3	0.28
1127040421		16	<20	<0.01	<10	<10	4	<10	2150	0.76	1.72	58	8.6	4	53.8	1.08
V829087		24	<20	0.24	<10	<10	50	<10	35	0.01						
1125006023		101	<20	0.04	<10	<10	29	<10	122	0.48	0.70	47	9.0	25	21.9	2.15
1126020122		18	<20	<0.01	<10	<10	4	<10	476	0.66	1.49	51	8.8	4	46.6	1.10
1126020003		23	<20	0.02	<10	<10	6	<10	2930	0.19	1.71	21	8.9	-32	53.4	0.39
1126020246		13	<20	0.01	<10	<10	7	<10	2150	0.18	1.77	18	8.7	-37	55.3	0.33
1125003036		26	<20	0.04	<10	<10	20	<10	48	0.36	0.41	35	9.6	22	12.8	2.73
1125004085		39	<20	0.01	<10	<10	16	<10	88	0.55	0.49	48	9.3	33	15.3	3.13
1126026002		29	<20	0.03	<10	<10	14	<10	81	0.44	0.12	37	9.6	33	3.8	9.87
1126026135		150	<20	0.13	<10	<10	101	10	241	0.56	0.46	52	9.0	38	14.4	3.62
1126020210		32	<20	<0.01	<10	<10	5	<10	568	0.87	1.16	66	9.1	30	36.3	1.82
1126026168		99	<20	0.06	<10	<10	26	<10	289	0.41	0.84	40	9.0	14	26.3	1.52
1125006014		106	<20	0.10	<10	<10	113	10	322	1.25	0.86	145	8.9	118	26.9	5.40
1126020191		12	<20	<0.01	<10	<10	4	<10	4530	0.37	2.79	27	8.5	-60	87.2	0.31
1125005070		25	<20	<0.01	<10	<10	9	<10	896	0.44	1.42	40	9.0	-4	44.4	0.90
1126020123		21	<20	<0.01	<10	<10	5	<10	309	0.68	1.54	50	9.0	2	48.1	1.04
1125005083		32	<20	<0.01	<10	<10	11	<10	873	0.39	1.65	38	8.9	-14	51.6	0.74
1126026133		76	<20	0.03	<10	<10	17	<10	205	0.35	1.28	34	9.0	-6	40.0	0.85
1125003039		41	<20	0.02	<10	<10	16	<10	52	0.47	0.19	42	9.5	36	5.9	7.07
1127040082		10	<20	<0.01	<10	<10	2	<10	2320	0.17	4.37	15	8.1	-122	136.6	0.11
1126026106		54	<20	0.02	<10	<10	14	<10	346	0.35	1.17	33	8.9	-4	36.6	0.90
V829088		20	<20	0.36	<10	<10	56	<10	58	0.01						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1127040101		1
1127040044		2
1126026108		2
1125003016		2
1127040040		2
1127040039		2
1127040017		1
1127040028		2
1125005046		2
1125005037		2
1127040415		2
1127040421		2
V829087		
1125006023		2
1126020122		2
1126020003		2
1126020246		1
1125003036		2
1125004085		2
1126026002		2
1126026135		2
1126020210		2
1126026168		2
1125006014		3
1126020191		2
1125005070		2
1126020123		2
1125005083		2
1126026133		2
1125003039		2
1127040082		1
1126026106		2
V829088		

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Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18165552

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method: LOG-23 LOG-QC WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Au-AA23 C-IR07 ME-ICP41 OA-ELE07 OA-VOL08 S-IR08

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Finalized Date: 31-JUL-2018
Account: RRR

CERTIFICATE TB18165553

Project: Mine Site Lab Pulps May 2018

P.O. No.: 4500009909

This report is for 160 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1126020084		0.52	88.7	0.271	0.7	1.78	65	<10	30	<0.5	<2	1.72	3.8	7	203	45
1126025119		0.55		0.008	<0.2	1.40	6	<10	70	<0.5	<2	2.60	<0.5	11	79	9
1125006056		0.50		0.068	0.5	2.76	36	<10	30	<0.5	<2	2.18	<0.5	8	213	18
1125005003		0.54		0.245	0.5	2.31	21	<10	70	<0.5	<2	2.53	<0.5	14	92	28
1126020066		0.42		0.239	1.1	1.26	56	<10	20	<0.5	<2	0.69	10.7	7	76	37
1125006047		0.46		0.214	0.8	2.67	52	10	60	<0.5	<2	1.48	<0.5	10	111	25
1126020040		0.39		0.351	0.4	1.91	28	<10	100	<0.5	<2	2.09	0.6	8	174	45
1126020012		0.56		0.475	2.5	1.73	49	<10	30	<0.5	<2	1.39	4.8	7	140	51
1125005004		0.54		6.70	2.0	2.81	34	<10	60	<0.5	<2	1.67	<0.5	10	134	30
1126020080		0.48		0.445	0.6	1.72	38	<10	60	<0.5	<2	1.63	1.7	7	124	24
1126020135		0.54		0.215	1.8	1.37	62	<10	20	<0.5	<2	1.88	8.2	7	95	52
1126020164		0.46		0.657	6.9	1.65	110	<10	30	<0.5	<2	1.14	18.2	7	134	108
1126020138		0.61		0.811	1.1	1.46	47	<10	20	<0.5	<2	1.48	7.6	7	65	50
1125005035		0.58		0.019	0.4	2.98	11	<10	90	<0.5	<2	2.73	<0.5	19	134	39
1125006018		0.47		0.618	2.0	2.13	63	10	30	<0.5	<2	0.72	<0.5	11	59	23
1126020027		0.52		1.320	0.7	1.66	40	<10	20	<0.5	<2	1.30	0.6	6	83	32
1126020060		0.45		0.086	1.4	0.50	118	<10	20	<0.5	<2	1.77	5.6	8	105	48
V829072		0.05		2.07	7.2	0.89	417	<10	50	<0.5	3	1.38	0.9	8	14	302
1229002149		0.42		0.382	4.8	1.21	53	<10	40	<0.5	<2	1.77	3.3	9	79	68
1126021023		0.49		0.009	<0.2	1.84	6	<10	40	<0.5	<2	1.98	<0.5	7	86	15
1229002152		0.48		0.272	3.7	1.51	29	<10	40	<0.5	<2	1.56	0.7	8	97	32
1229002176		0.62		0.061	0.4	1.93	12	<10	40	<0.5	<2	1.14	<0.5	9	124	24
1126022104		0.49		0.031	<0.2	1.36	22	<10	40	<0.5	<2	1.56	<0.5	9	173	19
1229002087		0.56		1.060	4.3	0.75	60	<10	20	<0.5	<2	0.78	4.0	10	133	47
1126022073		0.49		0.029	<0.2	1.42	5	<10	110	<0.5	<2	2.19	<0.5	11	90	20
1126022076		0.56		0.039	0.3	1.31	15	<10	60	<0.5	<2	1.96	<0.5	8	178	23
1126022109		0.55		0.043	<0.2	1.09	13	<10	40	<0.5	<2	1.88	<0.5	9	58	20
1229002109		0.44		0.394	4.8	0.96	47	<10	30	<0.5	<2	0.21	2.3	9	105	36
1229003029		0.55		0.044	0.3	1.84	19	<10	50	<0.5	<2	1.61	<0.5	10	103	27
1229003030		0.45		0.208	1.6	0.98	36	<10	50	<0.5	<2	0.57	<0.5	8	109	40
1229003032		0.48		0.054	1.1	1.72	20	<10	40	<0.5	2	1.59	0.8	9	99	30
1229003034		0.39		0.174	1.0	1.20	20	<10	40	<0.5	<2	1.62	0.8	9	73	23
1126022145		0.58		0.036	<0.2	1.10	4	<10	160	<0.5	<2	2.53	<0.5	9	170	52
1229001115		0.54		0.299	1.6	0.85	58	<10	30	<0.5	<2	0.64	14.3	12	98	64
1229001006		0.51		0.424	<0.2	1.90	31	<10	50	<0.5	<2	0.38	<0.5	11	43	22
V829073		0.05		6.78	5.1	0.85	2	<10	50	<0.5	<2	0.58	<0.5	7	10	39
1126024019		0.47		0.686	1.7	1.08	96	<10	30	<0.5	<2	0.46	0.9	9	121	35
1126024156		0.49		0.671	0.9	1.46	52	<10	30	<0.5	<2	1.74	3.7	7	61	37
1229002058		0.52		0.412	1.2	0.92	45	<10	20	<0.5	<2	0.31	2.6	9	32	31
1229002081		0.50		0.644	0.8	1.17	90	<10	30	<0.5	<2	0.31	19.2	9	96	85

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1126020084		2.27	<10	<1	0.22	10	1.39	853	1	0.02	9	410	95	1.32	2	1
1126025119		2.60	<10	<1	0.24	20	0.98	722	<1	0.04	17	760	3	0.62	<2	2
1125006056		1.83	10	<1	0.17	10	0.78	407	<1	0.17	10	390	22	0.93	<2	1
1125005003		2.52	10	<1	0.25	20	1.09	669	1	0.13	26	540	19	0.69	<2	2
1126020066		2.22	<10	<1	0.24	20	0.74	410	<1	0.01	8	420	34	1.70	<2	1
1125006047		2.26	10	<1	0.25	20	0.99	520	<1	0.10	10	540	31	1.33	<2	1
1126020040		1.96	10	<1	0.42	20	1.29	821	2	0.05	10	660	63	1.32	<2	1
1126020012		1.94	<10	1	0.26	20	1.12	648	<1	0.02	7	400	85	1.12	<2	1
1125005004		2.48	10	<1	0.25	20	0.91	673	1	0.17	11	590	38	1.12	<2	1
1126020080		1.92	10	<1	0.33	20	1.05	654	1	0.03	8	480	106	1.41	<2	1
1126020135		2.21	<10	<1	0.27	20	1.31	921	1	0.01	7	450	143	1.74	<2	1
1126020164		2.85	<10	<1	0.37	10	1.28	761	<1	0.01	8	400	157	2.24	5	1
1126020138		2.10	<10	<1	0.27	20	1.22	809	<1	0.01	7	420	108	1.36	2	1
1125005035		4.21	10	1	0.32	10	1.08	731	<1	0.17	26	610	11	0.45	<2	5
1125006018		2.69	10	<1	0.11	20	0.82	455	1	0.05	12	650	14	1.22	<2	1
1126020027		1.74	<10	1	0.22	10	0.89	507	<1	0.05	6	400	95	1.19	2	1
1126020060		1.84	<10	<1	0.22	10	0.48	915	2	0.01	14	420	18	1.67	<2	1
V829072		4.75	<10	1	0.30	20	0.32	500	3	0.02	9	170	19	3.59	3	2
1229002149		2.24	<10	<1	0.27	20	0.56	900	1	0.04	12	490	164	2.46	3	1
1126021023		1.86	10	<1	0.15	10	0.71	398	1	0.15	10	400	2	0.16	<2	2
1229002152		2.19	<10	<1	0.20	10	0.55	759	1	0.09	12	460	55	2.22	<2	1
1229002176		1.95	10	<1	0.16	10	0.44	395	1	0.16	8	440	14	0.92	<2	1
1126022104		2.34	10	<1	0.29	10	0.82	488	5	0.04	29	400	2	0.36	<2	1
1229002087		2.65	<10	<1	0.18	10	0.26	488	<1	0.03	12	460	183	2.85	<2	<1
1126022073		2.05	10	<1	0.38	20	1.15	488	2	0.04	20	550	3	0.28	<2	2
1126022076		2.30	<10	<1	0.26	10	0.84	510	2	0.04	11	420	5	0.50	<2	1
1126022109		1.79	<10	<1	0.18	10	0.76	470	1	0.03	11	400	<2	0.28	<2	1
1229002109		2.18	<10	<1	0.20	10	0.58	317	2	0.02	11	460	50	2.21	<2	<1
1229003029		1.19	<10	<1	0.14	10	0.23	226	1	0.22	9	510	8	0.75	<2	1
1229003030		1.73	<10	<1	0.24	10	0.18	154	1	0.06	8	450	16	1.78	<2	1
1229003032		2.12	<10	<1	0.20	10	0.77	443	1	0.10	9	430	45	2.26	<2	1
1229003034		2.11	<10	<1	0.19	10	0.58	486	1	0.04	9	500	21	2.17	2	1
1126022145		2.26	<10	<1	0.28	20	0.94	470	1	0.05	12	740	2	0.21	<2	2
1229001115		3.07	<10	<1	0.21	10	0.10	222	1	0.03	19	380	50	3.49	5	<1
1229001006		2.41	<10	<1	0.17	20	0.92	482	<1	0.02	12	560	4	1.47	4	1
V829073		1.78	<10	<1	0.18	10	0.37	187	18	0.14	10	600	9	0.07	<2	2
1126024019		2.58	<10	<1	0.24	10	0.67	429	1	0.01	13	440	29	1.82	<2	1
1126024156		1.96	<10	<1	0.29	10	0.96	907	1	0.02	8	420	24	1.31	2	1
1229002058		1.96	<10	<1	0.13	10	0.64	321	1	0.01	12	270	87	1.79	<2	1
1229002081		2.58	<10	1	0.20	10	0.74	415	1	0.01	16	510	20	2.42	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1126020084		29	<20	0.01	<10	<10	11	<10	1010	0.47	1.19	41	8.6	4	37.2	1.10
1126025119		56	<20	0.03	<10	<10	26	<10	85	0.71	0.56	61	9.3	44	17.5	3.49
1125006056		82	<20	<0.01	<10	<10	6	<10	58	0.29	0.87	32	8.9	5	27.2	1.18
1125005003		108	<20	0.08	<10	<10	32	<10	150	0.51	0.61	49	9.1	30	19.1	2.57
1126020066		16	<20	0.01	<10	<10	6	<10	2660	0.14	1.73	14	8.6	-40	54.1	0.26
1125006047		64	<20	<0.01	<10	<10	10	<10	111	0.18	1.23	25	9.0	-13	38.4	0.65
1126020040		80	<20	0.03	<10	<10	14	<10	187	0.52	1.26	49	9.0	10	39.4	1.24
1126020012		27	<20	0.02	<10	<10	8	<10	1235	0.30	1.08	29	8.8	-5	33.8	0.86
1125005004		97	<20	0.04	<10	<10	15	10	141	0.17	1.03	25	8.9	-7	32.2	0.78
1126020080		46	<20	0.02	<10	<10	10	<10	447	0.34	1.28	34	8.7	-6	40.0	0.85
1126020135		29	<20	0.02	<10	<10	7	<10	2040	0.57	1.58	43	8.5	-6	49.4	0.87
1126020164		19	<20	0.02	<10	<10	8	<10	4290	0.30	2.08	29	8.5	-36	65.0	0.45
1126020138		23	<20	0.04	<10	<10	8	<10	1890	0.34	1.26	34	8.6	-5	39.4	0.86
1125005035		124	<20	0.09	<10	<10	82	<10	223	0.61	0.42	53	8.9	40	13.1	4.04
1125006018		37	<20	<0.01	<10	<10	14	<10	153	0.09	1.13	13	8.6	-22	35.3	0.37
1126020027		33	<20	0.03	<10	<10	7	<10	211	0.27	1.19	25	8.9	-12	37.2	0.67
1126020060		21	<20	<0.01	<10	<10	4	<10	1180	0.74	1.65	55	8.7	3	51.6	1.07
V829072		20	<20	0.01	<10	<10	8	<10	251	0.36						
1229002149		29	<20	<0.01	<10	<10	4	<10	787	0.44	2.24	43	8.1	-27	70.0	0.61
1126021023		94	<20	0.03	<10	<10	21	<10	79	0.44	0.14	41	9.4	37	4.4	9.37
1229002152		63	<20	<0.01	<10	<10	5	<10	202	0.34	2.11	35	8.5	-31	65.9	0.53
1229002176		118	<20	0.01	<10	<10	8	<10	120	0.11	0.85	14	8.8	-13	26.6	0.53
1126022104		28	<20	0.03	<10	<10	16	<10	133	0.49	0.35	45	9.4	34	10.9	4.11
1229002087		22	<20	<0.01	<10	<10	3	<10	940	0.19	2.86	18	8.3	-71	89.4	0.20
1126022073		53	<20	0.06	<10	<10	25	<10	71	0.66	0.26	59	9.5	51	8.1	7.26
1126022076		29	<20	0.03	<10	<10	15	<10	138	0.61	0.48	51	9.2	36	15.0	3.40
1126022109		34	<20	0.02	<10	<10	14	<10	63	0.61	0.25	49	9.4	41	7.8	6.27
1229002109		21	<20	<0.01	<10	<10	4	<10	540	0.01	2.04	5	8.0	-59	63.8	0.08
1229003029		195	<20	<0.01	<10	<10	6	<10	83	0.22	0.73	28	9.1	5	22.8	1.23
1229003030		56	<20	<0.01	<10	<10	4	<10	111	0.10	1.72	13	8.1	-41	53.8	0.24
1229003032		54	<20	<0.01	<10	<10	5	<10	196	0.29	2.10	33	8.8	-33	65.6	0.50
1229003034		28	<20	<0.01	<10	<10	6	<10	189	0.43	2.04	38	8.6	-26	63.8	0.60
1126022145		125	<20	0.03	<10	<10	24	<10	47	0.90	0.19	69	9.5	63	5.9	11.62
1229001115		43	<20	<0.01	<10	<10	3	<10	3510	0.13	3.49	13	8.4	-96	109.1	0.12
1229001006		33	<20	<0.01	<10	<10	12	<10	152	<0.01	1.40	7	7.9	-37	43.8	0.16
V829073		22	<20	0.24	<10	<10	51	<10	34	0.03						
1126024019		7	<20	0.01	<10	<10	5	<10	240	0.10	1.72	13	8.6	-41	53.8	0.24
1126024156		19	<20	0.01	<10	<10	6	<10	820	0.51	1.29	48	8.9	8	40.3	1.19
1229002058		22	<20	<0.01	<10	<10	5	<10	628	0.04	1.70	6	7.9	-47	53.1	0.11
1229002081		19	<20	<0.01	<10	<10	6	<10	4440	0.03	2.26	8	7.9	-63	70.6	0.11

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1126020084		2
1126025119		2
1125006056		2
1125005003		2
1126020066		1
1125006047		2
1126020040		2
1126020012		2
1125005004		2
1126020080		2
1126020135		2
1126020164		2
1126020138		2
1125005035		2
1125006018		1
1126020027		2
1126020060		2
V829072		
1229002149		2
1126021023		2
1229002152		2
1229002176		1
1126022104		2
1229002087		1
1126022073		2
1126022076		2
1126022109		2
1229002109		1
1229003029		2
1229003030		1
1229003032		2
1229003034		2
1126022145		2
1229001115		1
1229001006		1
V829073		
1126024019		1
1126024156		2
1229002058		1
1229002081		1

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OPERATIONS
5967 HWY 11/71
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Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1229002091		0.49		0.235	0.8	0.97	57	<10	20	<0.5	<2	0.17	2.6	10	33	41
1229002125		0.51		0.127	2.0	1.47	26	<10	30	<0.5	<2	1.05	1.3	8	56	19
1229002086		0.45		0.215	3.7	0.78	45	<10	30	<0.5	<2	0.09	2.5	8	93	31
1229002025		0.50		0.736	0.8	0.50	212	<10	50	<0.5	3	0.13	10.8	10	195	89
1126024004		0.47		0.264	2.1	0.66	31	<10	30	<0.5	<2	2.75	4.0	8	50	50
1126021148		0.62		0.067	1.0	3.70	21	<10	130	<0.5	<2	3.44	0.7	34	125	116
1229002010		0.49		0.304	0.2	1.11	28	<10	150	<0.5	<2	0.14	<0.5	10	86	47
1229002060		0.51		1.635	2.2	0.84	79	<10	30	<0.5	<2	0.05	1.6	10	68	51
1229002022		0.59		0.118	0.2	0.91	16	<10	40	<0.5	<2	0.15	0.8	9	116	22
1229002144		0.48	90.9	0.156	2.8	1.70	32	10	40	<0.5	<2	1.42	0.9	9	62	26
1126024043		0.57		3.47	2.5	0.92	69	<10	30	<0.5	<2	2.27	13.4	8	89	118
1126024060		0.54		0.445	1.3	0.78	69	<10	20	<0.5	<2	2.73	8.1	7	60	92
V829074		0.05		0.185	1.5	0.81	2	<10	40	<0.5	<2	0.46	<0.5	9	11	51
1126021028		0.50		0.075	0.2	2.06	19	<10	40	<0.5	<2	4.25	<0.5	18	112	47
1229001011		0.50		0.454	0.5	1.74	31	<10	40	<0.5	<2	0.32	1.5	10	70	42
1126022001		0.50		0.072	0.3	1.16	9	<10	40	<0.5	<2	1.54	0.6	8	105	25
1229001007		0.47		0.266	0.5	1.58	36	<10	50	<0.5	<2	0.31	1.1	10	92	23
1229001048		0.47		0.516	0.6	0.40	134	<10	30	<0.5	<2	0.08	7.7	17	162	27
1126022006		0.53		0.012	<0.2	1.33	9	<10	50	<0.5	<2	1.92	<0.5	7	162	14
1229001050		0.49		0.525	1.2	0.70	106	<10	30	<0.5	<2	0.12	8.5	21	207	51
1229001043		0.41		0.336	2.0	0.78	58	<10	30	<0.5	<2	0.29	10.2	12	126	80
1229001073		0.49		0.252	1.4	0.55	63	<10	20	<0.5	<2	0.15	4.6	11	181	45
1126022016		0.47		0.036	0.3	1.06	8	<10	40	<0.5	<2	1.68	<0.5	8	239	32
1229003018		0.54		0.070	0.3	1.69	22	<10	40	<0.5	<2	1.24	<0.5	8	188	32
1229003008		0.49		0.223	2.9	1.01	39	<10	40	<0.5	<2	2.14	5.7	12	142	100
1229003609		0.48		0.114	0.2	1.86	9	<10	40	<0.5	<2	1.09	1.4	8	131	39
1129003042		0.49		0.137	2.4	0.93	23	<10	40	<0.5	<2	1.47	0.6	10	107	36
1126022142		0.47		0.100	0.2	0.93	8	<10	50	<0.5	<2	1.81	<0.5	10	163	20
1126022036		0.53		0.031	<0.2	0.95	7	<10	40	<0.5	<2	1.71	<0.5	8	169	36
1126022049		0.57		0.011	<0.2	0.93	5	<10	40	<0.5	<2	1.81	<0.5	7	221	32
1229003047		0.55		0.138	0.9	1.07	24	<10	40	<0.5	<2	1.83	<0.5	9	148	25
V829075		0.06		2.13	7.2	0.81	401	<10	50	<0.5	3	1.33	1.0	7	13	287
1126022045		0.54		0.037	<0.2	0.99	3	<10	30	<0.5	2	1.87	<0.5	6	216	29
1126022043		0.58		0.014	0.2	0.99	3	<10	30	<0.5	<2	2.11	<0.5	6	80	36
1229003646		0.54		0.105	1.2	1.35	18	<10	40	<0.5	2	1.54	3.2	10	174	67
1229003006		0.52		0.134	2.1	1.18	23	<10	40	<0.5	2	1.64	5.3	10	169	108
1229003003		0.50		0.169	0.8	1.21	26	<10	30	<0.5	<2	1.36	0.6	9	50	32
1126025102		0.51		0.053	0.7	4.20	21	<10	90	<0.5	3	3.81	1.2	35	155	77
1126025170		0.44		0.091	0.5	1.76	19	<10	60	<0.5	<2	2.04	0.5	9	150	22
1126025200		0.51		0.098	0.4	2.08	35	<10	30	<0.5	<2	1.88	<0.5	6	114	20

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1229002091		1.92	<10	<1	0.10	10	0.54	330	1	0.01	14	280	92	1.67	<2	<1
1229002125		2.12	<10	<1	0.16	10	0.58	452	<1	0.04	11	460	19	2.24	<2	1
1229002086		2.00	<10	<1	0.21	10	0.34	205	<1	0.01	12	210	52	2.14	<2	<1
1229002025		2.76	<10	<1	0.19	10	0.12	59	1	0.02	12	400	9	2.93	<2	<1
1126024004		2.09	<10	<1	0.17	10	0.58	1220	2	0.01	11	430	216	2.14	<2	<1
1126021148		8.35	10	<1	0.55	10	1.79	1160	2	0.21	45	730	5	2.12	3	10
1229002010		2.18	<10	<1	0.22	10	0.49	109	1	0.02	13	420	9	1.80	<2	<1
1229002060		2.42	<10	<1	0.23	10	0.34	217	<1	0.01	14	100	77	2.56	<2	<1
1229002022		1.18	<10	<1	0.08	10	0.31	120	1	0.01	10	300	10	0.68	<2	1
1229002144		2.20	<10	<1	0.21	10	0.61	580	1	0.05	12	460	53	2.36	<2	1
1126024043		2.50	<10	<1	0.24	10	0.86	1225	1	0.01	10	420	35	2.30	<2	1
1126024060		2.38	<10	<1	0.17	10	0.78	1295	3	0.01	9	400	53	2.14	<2	<1
V829074		2.51	<10	<1	0.20	10	0.36	244	4	0.14	11	520	20	0.04	<2	2
1126021028		2.88	10	<1	0.19	20	1.53	727	2	0.08	62	660	2	0.68	<2	3
1229001011		2.47	<10	<1	0.15	20	0.96	412	<1	0.02	11	680	3	1.55	5	1
1126022001		2.05	<10	<1	0.26	10	0.70	492	2	0.04	9	400	<2	0.57	<2	1
1229001007		2.36	<10	<1	0.18	20	0.74	409	1	0.02	10	570	5	1.61	<2	1
1229001048		2.32	<10	<1	0.21	10	0.10	1160	1	0.01	24	260	29	2.00	<2	<1
1126022006		1.93	10	<1	0.22	10	0.89	415	1	0.03	10	410	2	0.22	<2	1
1229001050		2.31	<10	<1	0.21	10	0.39	42	3	0.01	37	260	50	2.26	<2	2
1229001043		1.97	<10	<1	0.21	10	0.14	58	1	0.05	15	80	7	1.93	2	1
1229001073		3.30	<10	<1	0.16	10	0.08	60	13	0.02	15	240	22	3.55	4	<1
1126022016		2.00	10	<1	0.20	10	0.58	333	2	0.05	10	390	2	0.29	<2	1
1229003018		1.50	<10	<1	0.13	10	0.21	262	1	0.18	8	450	10	1.03	<2	1
1229003008		3.97	<10	<1	0.18	20	0.56	667	3	0.08	13	660	45	4.32	3	1
1229003609		1.78	<10	<1	0.15	10	0.35	304	1	0.16	8	430	8	0.85	<2	1
1129003042		2.36	<10	<1	0.19	20	0.42	519	1	0.08	12	510	43	2.53	<2	<1
1126022142		2.19	<10	<1	0.11	10	0.65	393	5	0.04	26	480	2	0.68	<2	1
1126022036		2.01	<10	<1	0.14	10	0.55	311	1	0.04	9	370	<2	0.40	<2	1
1126022049		1.83	10	<1	0.14	10	0.55	292	1	0.05	9	390	<2	0.18	<2	1
1229003047		2.15	<10	<1	0.17	10	0.63	637	1	0.08	11	460	13	2.10	<2	1
V829075		4.53	<10	<1	0.27	20	0.30	479	3	0.02	8	170	20	3.44	4	2
1126022045		1.76	<10	<1	0.09	10	0.54	288	2	0.05	9	390	<2	0.27	<2	1
1126022043		1.72	<10	<1	0.08	10	0.56	319	1	0.04	10	380	2	0.29	<2	1
1229003646		2.66	<10	<1	0.16	10	0.70	485	4	0.09	13	490	21	2.55	<2	1
1229003006		2.54	<10	1	0.18	20	0.63	535	1	0.09	9	580	27	2.58	<2	1
1229003003		1.94	<10	<1	0.13	20	0.73	554	1	0.08	9	500	16	1.72	<2	1
1126025102		10.75	10	<1	0.38	10	1.94	1590	1	0.17	51	740	10	2.64	<2	13
1126025170		2.39	10	<1	0.25	20	0.77	788	1	0.10	14	500	19	0.91	<2	1
1126025200		1.81	10	<1	0.21	10	0.98	586	<1	0.11	6	420	36	0.98	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1229002091		16	<20	<0.01	<10	<10	5	<10	783	0.01	1.58	3	6.7	-46	49.4	0.06
1229002125		28	<20	<0.01	<10	<10	5	<10	328	0.18	2.18	19	8.4	-49	68.1	0.28
1229002086		13	<20	<0.01	<10	<10	3	<10	564	<0.01	1.76	3	7.4	-52	55.0	0.05
1229002025		12	<20	<0.01	<10	<10	2	<10	2800	0.01	2.70	4	6.4	-80	84.4	0.05
1126024004		18	<20	<0.01	<10	<10	3	<10	1030	0.91	2.01	73	8.5	10	62.8	1.16
1126021148		89	<20	0.12	<10	<10	202	10	278	1.09	1.98	77	8.4	15	61.9	1.24
1229002010		23	<20	<0.01	<10	<10	5	<10	97	<0.01	1.60	4	7.0	-46	50.0	0.08
1229002060		15	<20	<0.01	<10	<10	4	<10	446	0.01	2.59	3	7.0	-78	80.9	0.04
1229002022		17	<20	<0.01	<10	<10	6	10	205	0.02	0.65	4	7.6	-16	20.3	0.20
1229002144		37	<20	<0.01	<10	<10	5	<10	242	0.22	2.16	25	8.3	-43	67.5	0.37
1126024043		34	<20	<0.01	<10	<10	4	<10	2710	0.89	2.38	71	8.4	-3	74.4	0.95
1126024060		30	<20	<0.01	<10	<10	3	<10	1700	0.96	2.28	76	8.7	5	71.3	1.07
V829074		19	<20	0.38	<10	<10	57	<10	60	0.04						
1126021028		92	<20	0.01	<10	<10	25	<10	105	1.43	0.61	121	9.0	102	19.1	6.35
1229001011		35	<20	<0.01	<10	<10	11	<10	471	0.01	1.60	6	7.6	-44	50.0	0.12
1126022001		26	<20	0.02	<10	<10	12	<10	199	0.48	0.55	41	9.1	24	17.2	2.39
1229001007		26	<20	<0.01	<10	<10	9	<10	320	<0.01	1.62	6	7.3	-45	50.6	0.12
1229001048		10	<20	<0.01	<10	<10	3	<10	2220	0.16	1.94	4	7.2	-57	60.6	0.07
1126022006		27	<20	0.02	<10	<10	12	<10	132	0.55	0.20	49	9.2	43	6.3	7.84
1229001050		11	<20	<0.01	<10	<10	13	<10	2070	0.03	2.24	5	8.5	-65	70.0	0.07
1229001043		21	<20	0.01	<10	<10	13	<10	1860	0.04	1.95	4	8.0	-57	60.9	0.07
1229001073		21	<20	<0.01	<10	<10	3	<10	1000	0.12	3.48	3	6.0	-106	108.8	0.03
1126022016		30	<20	0.02	<10	<10	13	<10	72	0.50	0.29	45	9.6	36	9.1	4.97
1229003018		154	<20	<0.01	<10	<10	5	<10	88	0.13	1.00	15	8.6	-16	31.3	0.48
1229003008		41	<20	<0.01	<10	<10	6	<10	1520	0.58	4.30	51	8.1	-83	134.4	0.38
1229003609		131	<20	0.01	<10	<10	6	<10	437	0.10	0.84	13	8.9	-13	26.3	0.50
1129003042		41	<20	<0.01	<10	<10	4	<10	137	0.37	2.75	35	8.6	-51	85.9	0.41
1126022142		33	<20	0.01	<10	<10	15	<10	33	0.70	0.72	50	9.1	28	22.5	2.22
1126022036		25	<20	0.01	<10	<10	14	<10	28	0.55	0.40	46	9.4	34	12.5	3.68
1126022049		32	<20	0.02	<10	<10	14	<10	29	0.59	0.18	48	9.5	42	5.6	8.53
1229003047		38	<20	<0.01	<10	<10	5	<10	99	0.49	2.22	46	8.4	-23	69.4	0.66
V829075		18	<20	0.01	<10	<10	7	<10	237	0.37						
1126022045		37	<20	<0.01	<10	<10	11	<10	24	0.57	0.25	48	9.4	40	7.8	6.14
1126022043		36	<20	<0.01	<10	<10	10	<10	27	0.64	0.24	51	9.6	44	7.5	6.80
1229003646		45	<20	<0.01	<10	<10	7	<10	810	0.40	2.61	36	8.4	-46	81.6	0.44
1229003006		43	<20	<0.01	<10	<10	6	<10	1505	0.40	2.74	39	7.4	-47	85.6	0.46
1229003003		42	<20	<0.01	<10	<10	6	<10	153	0.34	1.80	33	8.4	-23	56.3	0.59
1126025102		105	<20	0.12	<10	<10	193	<10	438	1.26	2.85	85	8.3	-4	89.1	0.95
1126025170		56	<20	0.06	<10	<10	16	<10	199	0.46	0.87	43	9.1	16	27.2	1.58
1126025200		42	<20	0.02	<10	<10	8	<10	132	0.34	0.94	36	9.1	7	29.4	1.23

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1229002091		1
1229002125		1
1229002086		1
1229002025		1
1126024004		2
1126021148		2
1229002010		1
1229002060		1
1229002022		1
1229002144		2
1126024043		2
1126024060		2
V829074		
1126021028		3
1229001011		1
1126022001		2
1229001007		1
1229001048		1
1126022006		2
1229001050		1
1229001043		1
1229001073		1
1126022016		2
1229003018		1
1229003008		2
1229003609		1
1129003042		2
1126022142		2
1126022036		2
1126022049		2
1229003047		2
V829075		
1126022045		2
1126022043		2
1229003646		2
1229003006		2
1229003003		2
1126025102		2
1126025170		2
1126025200		2

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CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1229003620		0.48		0.052	0.4	1.73	9	<10	50	<0.5	<2	3.38	1.9	17	323	52
1126025152		0.49		0.039	0.4	1.06	8	<10	40	<0.5	<2	1.79	0.8	7	83	9
1126025117		0.52		0.010	0.2	1.96	7	<10	100	<0.5	<2	3.17	<0.5	21	128	35
1126025185		0.49		0.044	0.4	1.95	10	<10	70	<0.5	<2	2.18	<0.5	9	141	22
1126025130		0.50		0.071	0.7	2.58	27	<10	80	<0.5	<2	3.08	2.3	21	151	37
1125006073		0.46		3.69	1.1	2.00	33	10	50	<0.5	<2	2.03	0.6	7	125	16
1126025121		0.52		0.008	<0.2	1.50	3	<10	70	<0.5	<2	2.78	<0.5	13	196	4
1125006077		0.53		0.044	0.5	1.45	21	<10	40	<0.5	<2	1.24	<0.5	7	112	12
1125006067		0.58		0.093	0.7	1.58	25	<10	40	<0.5	<2	1.43	<0.5	8	144	22
V829076		0.05		6.66	4.9	0.80	<2	<10	50	<0.5	<2	0.55	<0.5	7	10	38
1230005194		0.69		0.115	0.9	1.03	38	<10	30	<0.5	<2	1.83	<0.5	8	130	21
1126018034		0.59		0.366	0.8	1.77	55	<10	30	<0.5	<2	1.01	0.6	9	38	43
1230005137		0.70		1.535	18.5	1.05	56	<10	30	<0.5	<2	2.01	1.7	10	130	64
1230005203		0.49		0.240	2.0	0.81	39	<10	20	<0.5	<2	0.15	1.7	7	22	49
1230005192		0.47		0.174	0.9	1.16	47	<10	30	<0.5	<2	1.17	0.5	8	134	32
1126019243		0.42		0.694	2.1	0.77	40	<10	30	<0.5	<2	2.61	1.0	8	162	48
1230005125		0.47		0.136	2.1	0.54	34	<10	30	<0.5	<2	0.09	0.7	11	121	31
1126018073		0.51		0.653	1.1	0.79	42	<10	30	<0.5	<2	2.85	1.1	8	127	28
1126016103		0.57		0.419	0.7	0.46	36	<10	20	<0.5	<2	3.18	1.0	9	171	56
1126018058		0.60	91.5	0.355	0.7	0.97	34	<10	30	<0.5	<2	2.83	1.3	8	131	31
1230005142		0.60		0.299	2.2	0.63	46	<10	30	<0.5	<2	0.19	0.9	8	154	33
1230005133		0.64		0.616	7.7	0.96	43	<10	20	<0.5	<2	0.34	3.7	8	209	130
1126019221		0.54		0.116	0.3	1.29	20	<10	30	<0.5	<2	2.32	<0.5	7	190	31
1126018054		0.51		0.534	0.5	0.62	35	<10	30	<0.5	<2	3.02	0.8	7	180	31
1126018041		0.47		0.158	1.3	1.20	28	<10	30	<0.5	<2	2.20	0.9	8	121	43
1126016035		0.44		0.208	1.5	0.65	43	<10	30	<0.5	<2	2.53	3.3	8	255	24
1126018050		0.40		1.260	5.9	0.66	44	<10	50	<0.5	4	2.69	3.9	8	160	46
V829077		0.05		0.191	1.3	0.77	2	<10	40	<0.5	<2	0.43	<0.5	10	11	50
1126007399		0.55		2.04	1.4	0.59	49	<10	20	<0.5	<2	2.78	2.6	8	142	36
1126007378		0.59		1.385	3.4	0.41	134	<10	30	<0.5	<2	1.30	2.7	10	141	68
1126007155		0.56		0.022	0.3	1.17	39	<10	30	<0.5	<2	2.30	<0.5	7	112	8
1126014053		0.51		0.273	0.8	1.92	65	<10	30	<0.5	<2	1.79	<0.5	8	140	22
1126007390		0.54		0.634	0.8	0.67	52	<10	30	<0.5	<2	2.49	1.4	10	83	22
1126014055		0.49		0.203	1.2	1.70	58	<10	30	<0.5	<2	1.14	0.5	9	117	19
1126016061		0.51		0.407	0.9	0.69	39	<10	30	<0.5	<2	2.72	4.6	9	116	66
1126016009		0.58		0.384	0.6	0.57	38	<10	20	<0.5	<2	2.98	2.6	7	37	34
1126014154		0.59		0.426	0.6	1.55	64	<10	30	<0.5	<2	1.38	0.8	7	90	31
1126016080		0.46		3.27	3.2	1.18	67	<10	30	<0.5	<2	1.56	27.9	9	167	209
1126014171		0.58		0.342	0.8	1.58	49	<10	30	<0.5	<2	1.36	0.8	8	72	41
1126014103		0.52		2.20	2.8	0.99	115	<10	30	<0.5	<2	2.01	1.3	7	73	55

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5967 HWY 11/71
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CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1229003620		3.04	<10	<1	0.14	20	1.77	750	6	0.05	54	850	7	2.06	<2	5
1126025152		1.84	<10	<1	0.18	10	0.70	561	1	0.04	9	410	15	0.50	<2	1
1126025117		4.85	10	<1	0.32	20	1.37	872	1	0.08	31	820	4	0.95	<2	6
1126025185		2.57	10	<1	0.26	20	0.70	636	1	0.15	14	620	9	0.86	<2	1
1126025130		5.93	10	<1	0.41	10	1.16	1260	1	0.18	30	640	5	1.88	<2	7
1125006073		1.72	<10	<1	0.21	10	1.08	605	1	0.10	9	370	27	1.03	<2	1
1126025121		2.92	10	<1	0.19	20	1.08	604	1	0.05	20	740	<2	0.66	<2	2
1125006077		1.50	<10	<1	0.18	10	0.67	393	<1	0.09	7	380	8	0.47	<2	1
1125006067		1.96	<10	<1	0.16	10	0.73	422	2	0.10	17	400	7	0.72	<2	1
V829076		1.74	<10	<1	0.18	10	0.37	183	14	0.13	10	600	9	0.07	<2	2
1230005194		1.93	<10	<1	0.14	10	0.75	874	1	0.06	9	420	28	1.71	<2	1
1126018034		2.24	<10	<1	0.14	20	0.67	566	1	0.09	9	560	22	1.34	<2	1
1230005137		2.27	<10	<1	0.14	10	0.85	979	1	0.04	11	410	35	2.17	<2	1
1230005203		1.85	<10	<1	0.08	10	0.62	176	1	0.01	8	430	151	1.83	<2	<1
1230005192		2.08	<10	<1	0.16	10	0.74	864	1	0.05	10	440	51	1.92	<2	1
1126019243		2.06	<10	<1	0.22	10	1.17	1060	1	0.03	10	420	188	2.08	3	1
1230005125		2.09	<10	<1	0.14	10	0.13	342	1	0.03	10	90	16	2.12	<2	<1
1126018073		2.03	<10	<1	0.24	10	0.85	1355	1	0.02	11	410	112	1.73	<2	1
1126016103		1.79	<10	<1	0.19	10	0.68	1750	1	0.01	9	450	126	1.13	<2	<1
1126018058		1.79	<10	<1	0.19	10	0.71	1090	1	0.02	10	400	169	1.64	<2	1
1230005142		1.94	<10	<1	0.13	10	0.31	122	1	0.03	9	380	75	2.01	<2	<1
1230005133		2.04	<10	<1	0.10	10	0.74	566	1	0.03	10	810	59	1.96	2	<1
1126019221		1.80	<10	<1	0.16	10	0.79	580	1	0.08	8	620	21	1.45	<2	1
1126018054		1.90	<10	<1	0.21	10	0.94	1550	1	0.01	9	390	126	1.49	<2	1
1126018041		1.85	<10	<1	0.21	10	0.85	1020	1	0.04	11	420	131	1.73	<2	1
1126016035		2.62	<10	<1	0.21	10	1.04	2380	1	0.01	11	400	440	2.52	<2	1
1126018050		2.16	<10	<1	0.25	10	0.78	1430	1	0.02	10	420	261	2.25	2	1
V829077		2.48	<10	<1	0.20	10	0.35	241	4	0.13	10	520	20	0.04	<2	2
1126007399		2.25	<10	<1	0.19	10	1.14	2200	<1	0.01	11	410	324	2.31	2	1
1126007378		2.11	<10	<1	0.20	10	0.48	1100	1	0.01	13	430	303	2.23	3	<1
1126007155		1.55	<10	<1	0.15	10	0.72	335	<1	0.06	8	380	9	0.75	<2	1
1126014053		2.09	10	<1	0.23	10	0.96	793	1	0.07	8	430	35	1.32	<2	1
1126007390		2.66	<10	<1	0.23	10	1.09	1910	1	0.02	13	410	213	2.75	<2	1
1126014055		2.43	<10	<1	0.23	10	0.74	490	1	0.12	9	510	81	2.22	<2	1
1126016061		2.29	<10	<1	0.24	10	0.95	1340	1	0.02	11	450	121	2.14	<2	1
1126016009		2.12	<10	<1	0.17	10	0.77	1480	<1	0.01	9	410	142	2.04	<2	<1
1126014154		1.63	<10	<1	0.25	10	0.91	549	1	0.03	6	400	50	1.09	<2	1
1126016080		3.70	<10	2	0.24	10	0.82	901	1	0.01	11	400	53	3.61	<2	1
1126014171		1.59	<10	<1	0.26	20	0.84	500	1	0.03	7	410	65	1.13	<2	1
1126014103		1.99	<10	<1	0.28	10	0.60	802	1	0.02	8	400	143	1.84	<2	1

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1229003620		59	<20	<0.01	<10	<10	33	<10	466	1.15	2.05	88	8.8	24	64.1	1.37
1126025152		23	<20	0.04	<10	<10	15	<10	228	0.52	0.49	46	9.3	31	15.3	3.00
1126025117		95	<20	0.06	<10	<10	91	<10	146	0.98	0.87	79	9.1	52	27.2	2.91
1126025185		111	<20	0.07	<10	<10	23	<10	189	0.48	0.82	45	9.1	19	25.6	1.76
1126025130		121	<20	0.08	<10	<10	116	<10	558	0.89	1.85	71	8.8	13	57.8	1.23
1125006073		52	<20	0.01	<10	<10	7	<10	167	0.46	1.00	47	9.0	16	31.3	1.50
1126025121		77	<20	0.01	<10	<10	33	<10	76	0.86	0.62	71	9.1	52	19.4	3.66
1125006077		39	<20	<0.01	<10	<10	8	<10	74	0.29	0.43	31	9.1	18	13.4	2.31
1125006067		49	<20	0.01	<10	<10	12	<10	84	0.34	0.63	35	9.1	15	19.7	1.78
V829076		20	<20	0.23	<10	<10	49	<10	34	0.03						
1230005194		30	<20	<0.01	<10	<10	5	<10	100	0.57	1.63	50	9.2	-1	50.9	0.98
1126018034		34	<20	<0.01	<10	<10	7	<10	231	0.16	1.26	21	8.6	-18	39.4	0.53
1230005137		24	<20	<0.01	<10	<10	4	<10	403	0.63	1.95	55	9.1	-6	60.9	0.90
1230005203		8	<20	<0.01	<10	<10	3	<10	447	0.03	1.78	4	7.0	-52	55.6	0.07
1230005192		25	<20	<0.01	<10	<10	5	<10	167	0.38	1.74	34	8.8	-20	54.4	0.63
1126019243		36	<20	<0.01	<10	<10	4	<10	272	1.31	1.92	108	8.7	48	60.0	1.80
1230005125		17	<20	<0.01	<10	<10	3	<10	138	0.08	1.93	3	7.5	-57	60.3	0.05
1126018073		25	<20	<0.01	<10	<10	3	<10	275	1.20	1.59	90	9.0	40	49.7	1.81
1126016103		21	<20	<0.01	<10	<10	2	<10	262	1.40	1.03	109	8.7	77	32.2	3.39
1126018058		22	<20	<0.01	<10	<10	4	<10	330	0.89	1.56	73	8.8	24	48.8	1.50
1230005142		13	<20	<0.01	<10	<10	3	<10	284	0.04	1.93	5	7.8	-55	60.3	0.08
1230005133		13	<20	<0.01	<10	<10	4	<10	930	0.06	1.84	10	8.1	-48	57.5	0.17
1126019221		47	<20	<0.01	<10	<10	5	<10	94	0.65	1.38	56	8.9	13	43.1	1.30
1126018054		24	<20	<0.01	<10	<10	3	<10	218	1.38	1.41	110	8.9	66	44.1	2.50
1126018041		20	<20	<0.01	<10	<10	5	<10	276	0.64	1.62	56	8.9	5	50.6	1.11
1126016035		29	<20	<0.01	<10	<10	3	<10	835	1.25	2.36	89	8.6	15	73.8	1.21
1126018050		22	<20	<0.01	<10	<10	3	<10	978	1.14	2.12	87	8.9	21	66.3	1.31
V829077		18	<20	0.37	<10	<10	56	<10	57	0.02						
1126007399		32	<20	<0.01	<10	<10	3	<10	703	1.32	2.17	106	8.9	38	67.8	1.56
1126007378		14	<20	<0.01	<10	<10	2	<10	636	0.66	2.08	50	8.6	-15	65.0	0.77
1126007155		47	<20	<0.01	<10	<10	6	<10	59	0.65	0.68	56	9.1	35	21.3	2.64
1126014053		46	<20	<0.01	<10	<10	8	<10	110	0.38	1.22	42	9.0	4	38.1	1.10
1126007390		27	<20	<0.01	<10	<10	3	<10	339	1.24	2.79	103	9.0	16	87.2	1.18
1126014055		49	<20	<0.01	<10	<10	8	<10	152	0.17	2.14	24	7.1	-43	66.9	0.36
1126016061		28	<20	<0.01	<10	<10	3	<10	1030	1.20	1.97	89	8.9	27	61.6	1.45
1126016009		23	<20	<0.01	<10	<10	2	<10	635	1.19	2.02	88	8.9	25	63.1	1.39
1126014154		30	<20	0.01	<10	<10	6	<10	218	0.31	1.02	30	8.9	-2	31.9	0.94
1126016080		16	<20	<0.01	<10	<10	5	10	6160	0.49	3.72	43	8.5	-73	116.3	0.37
1126014171		31	<20	0.01	<10	<10	7	<10	238	0.24	1.03	26	8.9	-6	32.2	0.81
1126014103		26	<20	<0.01	<10	<10	4	<10	441	0.58	1.71	49	8.6	-4	53.4	0.92

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1229003620		2
1126025152		2
1126025117		2
1126025185		2
1126025130		2
1125006073		2
1126025121		2
1125006077		2
1125006067		2
V829076		
1230005194		2
1126018034		2
1230005137		2
1230005203		1
1230005192		2
1126019243		3
1230005125		1
1126018073		2
1126016103		3
1126018058		2
1230005142		1
1230005133		1
1126019221		2
1126018054		3
1126018041		2
1126016035		2
1126018050		2
V829077		
1126007399		3
1126007378		2
1126007155		2
1126014053		2
1126007390		3
1126014055		2
1126016061		2
1126016009		2
1126014154		2
1126016080		2
1126014171		2
1126014103		2

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EMO ON P0W 1E0

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Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
1126014002		0.57		1.030	2.1	1.00	87	<10	30	<0.5	<2	1.57	18.3	6	68	102
1126016005		0.52		0.672	4.2	0.57	48	<10	30	<0.5	<2	2.49	1.8	9	41	167
1126014159		0.49		0.374	1.3	1.55	43	<10	20	<0.5	<2	0.87	11.8	7	107	58
V829078		0.06		0.187	1.4	0.76	3	<10	40	<0.5	<2	0.42	<0.5	9	11	51
1126016036		0.50		0.213	2.5	0.93	52	<10	30	<0.5	<2	2.30	5.5	8	106	40
1126015120		0.60		1.365	0.9	1.33	62	<10	40	<0.5	<2	0.88	0.6	9	97	55
1126016046		0.54		0.113	1.2	0.81	57	<10	30	<0.5	<2	2.54	2.1	8	118	30
1126016023		0.57		0.492	5.1	0.74	44	<10	40	<0.5	2	2.57	3.9	9	109	314
1126016147		0.62		1.425	1.2	1.30	103	<10	20	<0.5	<2	0.92	3.3	8	45	93
1126018136		0.63		0.579	2.1	0.64	36	<10	40	<0.5	<2	2.16	2.2	8	113	41
1126019214		0.58		0.990	0.7	0.82	61	<10	30	<0.5	<2	2.63	0.7	8	121	28
1126018115		0.51		0.447	1.3	0.72	53	<10	20	<0.5	<2	2.65	0.7	28	38	31
1126019253		0.54		0.724	0.9	1.31	92	10	30	<0.5	<2	1.67	<0.5	10	26	53
1126019035		0.51		0.053	0.4	0.96	19	<10	50	<0.5	<2	2.09	<0.5	8	155	22
1126016156		0.56		1.220	6.5	0.48	105	<10	40	<0.5	<2	3.73	3.7	9	137	85
1126018108		0.57		0.603	2.7	0.53	49	<10	20	<0.5	<2	2.74	2.7	9	54	61
1230005227		0.69		0.197	1.7	1.37	44	<10	30	<0.5	<2	0.19	0.5	8	114	28
1126018114		0.59		0.329	0.8	0.83	33	<10	20	<0.5	<2	2.62	0.7	8	108	22
1126016139		0.48		1.315	4.2	0.34	57	<10	30	<0.5	<2	2.59	4.2	12	54	131
V829079		0.05		6.61	5.1	0.82	<2	<10	50	<0.5	<2	0.54	<0.5	7	10	38
1126018048		0.50		0.744	4.1	0.71	38	<10	40	<0.5	<2	2.68	1.8	8	164	33
1126019162		0.49		0.262	0.8	1.32	39	<10	40	<0.5	<2	1.91	<0.5	8	216	26
1126019132		0.47		0.117	1.0	1.20	81	<10	40	<0.5	<2	2.35	0.5	7	137	19
1126019156		0.50		0.256	2.2	1.06	30	<10	30	<0.5	3	1.76	0.5	8	117	87
1126019233		0.49		0.799	1.6	0.70	77	<10	30	<0.5	<2	2.25	1.5	12	163	36
1126019136		0.52		0.035	0.3	1.46	31	10	60	<0.5	<2	2.44	<0.5	6	102	15
1126024097		0.36		0.637	5.0	1.32	26	10	40	<0.5	2	2.28	1.1	8	99	128
1126019022		0.46		4.05	2.8	0.78	49	<10	40	<0.5	<2	2.54	5.6	8	102	68
1126024147		0.45		0.161	0.8	1.79	34	10	40	<0.5	3	1.89	0.5	8	104	30
1127039112		0.51	89.1	0.078	1.1	0.99	77	<10	30	<0.5	<2	2.16	0.5	7	123	22
1127039003		0.49		1.850	5.4	0.38	118	<10	40	<0.5	<2	1.12	21.6	7	154	171
1126024151		0.48		0.376	1.0	0.70	59	<10	30	<0.5	<2	2.93	4.2	8	152	67
1127039007		0.42		1.355	1.5	0.65	190	<10	110	<0.5	<2	1.94	8.9	11	166	83
1126024027		0.49		0.408	1.8	1.14	100	<10	100	<0.5	<2	2.72	8.1	13	171	129
1127039013		0.43		0.047	0.8	0.58	61	<10	40	<0.5	<2	2.69	<0.5	7	118	18
1127039037		0.54		0.319	1.0	0.43	76	<10	30	<0.5	<2	2.44	0.7	9	183	21
1126019150		0.49		1.985	3.6	0.57	55	<10	20	<0.5	<2	2.35	7.7	10	174	78
1126016057		0.50		0.371	2.3	0.79	45	<10	30	<0.5	<2	2.50	2.4	12	141	53
1126024083		0.49		1.165	1.1	1.38	114	<10	30	<0.5	<2	0.52	0.7	10	104	26
V829080		0.05		1.805	6.6	0.81	409	<10	50	<0.5	3	1.30	1.0	7	13	282

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1126014002		2.71	<10	1	0.25	10	0.61	720	2	0.01	8	380	89	2.81	<2	<1
1126016005		2.19	<10	<1	0.14	10	0.41	1235	1	0.01	10	460	190	2.41	2	<1
1126014159		2.17	<10	<1	0.26	10	0.92	512	<1	0.03	7	400	28	1.38	<2	<1
V829078		2.45	<10	<1	0.19	10	0.35	237	4	0.13	10	510	21	0.04	<2	2
1126016036		2.31	<10	<1	0.25	10	0.88	1550	1	0.02	12	430	537	2.38	4	1
1126015120		3.05	<10	1	0.25	10	0.82	681	<1	0.01	14	460	32	2.07	<2	1
1126016046		2.00	<10	<1	0.25	10	0.83	1395	1	0.01	10	450	183	1.87	<2	1
1126016023		2.34	<10	<1	0.23	10	0.75	1375	2	0.02	14	420	498	2.42	3	1
1126016147		3.25	<10	<1	0.16	10	0.82	678	<1	0.02	10	440	31	2.51	<2	<1
1126018136		2.01	<10	<1	0.22	10	0.79	1385	1	0.02	9	420	129	1.97	2	1
1126019214		1.89	<10	<1	0.18	10	0.75	1255	1	0.02	9	440	52	1.46	<2	1
1126018115		2.28	<10	<1	0.14	<10	0.95	1075	1	0.02	16	420	72	2.23	2	1
1126019253		2.30	<10	<1	0.15	20	0.67	711	1	0.05	10	550	19	1.71	2	1
1126019035		1.91	<10	<1	0.18	10	0.58	402	4	0.06	10	410	25	1.81	2	1
1126016156		2.15	<10	<1	0.24	10	0.72	2520	1	0.01	10	420	687	2.13	5	<1
1126018108		2.26	<10	<1	0.14	<10	1.07	1760	1	0.01	11	420	305	2.22	3	<1
1230005227		1.81	<10	<1	0.12	10	1.01	463	1	0.03	9	420	36	1.37	<2	<1
1126018114		2.08	<10	<1	0.20	10	1.07	1020	1	0.02	10	400	77	2.13	3	1
1126016139		2.06	<10	<1	0.17	10	0.42	1355	1	0.01	14	430	672	2.22	3	<1
V829079		1.69	<10	<1	0.17	10	0.36	183	15	0.13	10	590	8	0.08	<2	2
1126018048		2.04	<10	<1	0.23	10	0.89	1750	1	0.02	9	410	198	2.02	3	1
1126019162		1.84	<10	<1	0.16	10	0.71	544	1	0.08	10	370	12	1.05	2	1
1126019132		1.80	<10	<1	0.20	10	0.68	682	1	0.06	9	400	12	1.19	2	1
1126019156		2.11	<10	<1	0.19	10	0.69	482	1	0.04	10	380	26	2.19	2	1
1126019233		2.90	<10	<1	0.21	10	0.94	1135	1	0.03	16	440	187	2.98	<2	1
1126019136		1.58	<10	<1	0.21	10	0.85	437	1	0.07	8	370	15	0.55	<2	1
1126024097		2.05	<10	<1	0.24	10	0.71	959	1	0.03	10	440	72	1.90	<2	1
1126019022		2.13	<10	1	0.24	10	1.07	1430	1	0.02	10	380	69	1.93	<2	1
1126024147		1.86	<10	<1	0.20	10	0.78	572	1	0.08	9	410	36	1.59	<2	1
1127039112		1.94	<10	<1	0.21	10	0.59	1180	1	0.01	6	380	38	1.68	<2	<1
1127039003		2.46	<10	1	0.24	10	0.34	934	1	<0.01	9	440	639	2.57	<2	<1
1126024151		2.10	<10	<1	0.21	10	0.91	1515	1	0.02	10	420	75	1.65	2	1
1127039007		2.77	<10	<1	0.46	10	0.70	2170	1	<0.01	13	750	389	2.47	3	1
1126024027		3.37	<10	1	0.48	10	0.86	623	1	0.01	28	670	16	2.80	<2	3
1127039013		2.04	<10	<1	0.25	10	0.67	1335	1	0.01	7	390	28	1.88	<2	1
1127039037		2.42	<10	<1	0.21	10	0.61	1245	1	0.01	9	400	50	2.39	<2	<1
1126019150		2.46	<10	1	0.16	10	0.85	1245	1	0.02	13	420	728	2.42	4	1
1126016057		2.03	<10	<1	0.24	10	0.88	1460	1	0.01	10	430	124	1.77	2	1
1126024083		2.67	<10	<1	0.27	10	0.81	458	1	0.01	11	440	21	1.93	<2	1
V829080		4.38	<10	<1	0.26	20	0.29	474	3	0.01	9	160	19	3.37	2	2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity
	LOD	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01
1126014002		22	<20	<0.01	<10	<10	4	<10	5140	0.46	2.81	40	8.5	-48	87.8	0.46
1126016005		18	<20	<0.01	<10	<10	2	<10	485	0.82	2.44	65	8.5	-11	76.3	0.85
1126014159		25	<20	0.01	<10	<10	6	<10	2950	0.17	1.30	22	8.7	-19	40.6	0.54
V829078		17	<20	0.36	<10	<10	56	<10	58	0.02						
1126016036		31	<20	<0.01	<10	<10	4	<10	1490	0.90	2.26	66	8.6	-5	70.6	0.93
1126015120		10	<20	<0.01	<10	<10	6	<10	203	0.27	1.90	25	8.8	-34	59.4	0.42
1126016046		24	<20	<0.01	<10	<10	3	<10	491	1.00	1.73	77	8.6	23	54.1	1.42
1126016023		20	<20	<0.01	<10	<10	3	<10	1090	1.03	2.40	78	9.0	3	75.0	1.04
1126016147		15	<20	<0.01	<10	<10	5	<10	762	0.24	2.36	24	8.2	-50	73.8	0.33
1126018136		21	<20	<0.01	<10	<10	3	<10	596	1.00	1.90	77	9.0	18	59.4	1.30
1126019214		22	<20	<0.01	<10	<10	3	<10	176	1.05	1.38	78	8.6	35	43.1	1.81
1126018115		24	<20	<0.01	<10	<10	3	40	201	1.12	2.01	80	8.8	17	62.8	1.27
1126019253		28	<20	<0.01	<10	<10	6	<10	151	0.44	1.62	40	8.5	-11	50.6	0.79
1126019035		46	<20	<0.01	<10	<10	5	<10	69	0.63	1.70	53	8.6	0	53.1	1.00
1126016156		30	<20	<0.01	<10	<10	2	<10	1010	1.56	2.04	120	8.7	56	63.8	1.88
1126018108		23	<20	<0.01	<10	<10	3	<10	737	1.33	2.18	101	8.8	33	68.1	1.48
1230005227		14	<20	<0.01	<10	<10	5	<10	203	0.04	1.34	6	8.5	-36	41.9	0.14
1126018114		33	<20	<0.01	<10	<10	4	<10	169	1.18	2.02	89	8.7	26	63.1	1.41
1126016139		18	<20	<0.01	<10	<10	2	<10	1130	0.98	2.26	73	8.5	2	70.6	1.03
V829079		21	<20	0.23	<10	<10	50	<10	34	0.04						
1126018048		23	<20	<0.01	<10	<10	3	<10	492	1.18	1.89	90	9.1	31	59.1	1.52
1126019162		51	<20	<0.01	<10	<10	7	<10	84	0.60	0.95	47	9.0	17	29.7	1.58
1126019132		41	<20	<0.01	<10	<10	5	<10	172	0.75	1.14	60	9.0	24	35.6	1.68
1126019156		36	<20	<0.01	<10	<10	4	<10	138	0.62	2.11	50	8.6	-16	65.9	0.76
1126019233		29	<20	<0.01	<10	<10	4	<10	417	1.05	2.82	81	8.8	-7	88.1	0.92
1126019136		53	<20	<0.01	<10	<10	7	<10	68	0.70	0.49	59	9.3	44	15.3	3.85
1126024097		21	<20	<0.01	<10	<10	4	<10	311	0.62	1.73	54	8.6	0	54.1	1.00
1126019022		26	<20	<0.01	<10	<10	4	<10	1540	1.35	1.88	88	9.2	29	58.8	1.50
1126024147		32	<20	0.01	<10	<10	7	<10	165	0.41	1.51	40	8.7	-7	47.2	0.85
1127039112		20	<20	<0.01	<10	<10	4	<10	156	0.65	1.60	54	8.7	4	50.0	1.08
1127039003		62	<20	<0.01	<10	<10	2	10	5260	0.59	2.43	40	8.3	-36	75.9	0.53
1126024151		28	<20	<0.01	<10	<10	3	<10	909	1.24	1.50	89	8.7	42	46.9	1.90
1127039007		292	<20	0.02	<10	<10	10	<10	2460	0.89	2.28	68	8.8	-3	71.3	0.95
1126024027		61	<20	0.03	<10	<10	25	<10	1795	0.82	2.67	69	8.8	-14	83.4	0.83
1127039013		36	<20	<0.01	<10	<10	4	<10	99	1.15	1.78	83	9.0	27	55.6	1.49
1127039037		28	<20	<0.01	<10	<10	2	<10	185	1.04	2.19	78	9.0	10	68.4	1.14
1126019150		20	<20	<0.01	<10	<10	3	<10	1910	1.09	2.31	83	9.0	11	72.2	1.15
1126016057		23	<20	<0.01	<10	<10	3	20	556	1.03	1.67	80	9.0	28	52.2	1.53
1126024083		10	<20	0.01	<10	<10	6	<10	214	0.10	1.87	14	8.6	-44	58.4	0.24
V829080		19	<20	0.01	<10	<10	7	<10	240	0.35						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method Analyte Units LOD	OA-VOL08 FIZZ RAT Unity 1
1126014002		2
1126016005		2
1126014159		2
V829078		
1126016036		2
1126015120		2
1126016046		2
1126016023		2
1126016147		2
1126018136		2
1126019214		2
1126018115		2
1126019253		2
1126019035		2
1126016156		3
1126018108		3
1230005227		1
1126018114		2
1126016139		2
V829079		
1126018048		2
1126019162		2
1126019132		2
1126019156		2
1126019233		2
1126019136		2
1126024097		2
1126019022		2
1126024147		2
1127039112		2
1127039003		2
1126024151		2
1127039007		2
1126024027		2
1127039013		2
1127039037		2
1126019150		2
1126016057		2
1126024083		1
V829080		

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

CERTIFICATE OF ANALYSIS TB18165553

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method: LOG-23 LOG-QC WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Au-AA23 C-IR07 ME-ICP41 OA-ELE07 OA-VOL08 S-IR08

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

CERTIFICATE TB18214709

Project: Mine Site Lab Pulps June 2018

P.O. No.: 4500009909

This report is for 207 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 30-AUG-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1126033026		0.48	86.8	0.124		0.7	2.36	29	10	30	<0.5	<2	1.71	1.5	8	162
1232002009		0.53		0.475		1.0	1.60	16	<10	50	<0.5	3	0.97	<0.5	12	244
1126032447		0.50		0.240		2.0	1.99	26	<10	40	<0.5	<2	1.65	0.5	10	233
1126032401		0.37		0.190		0.8	2.44	35	<10	40	<0.5	<2	1.92	1.3	10	275
1232001120		0.52		0.109		0.9	1.21	56	<10	60	<0.5	<2	0.94	2.0	15	287
1232001069		0.54		0.049		1.2	1.41	8	<10	70	<0.5	<2	1.65	1.3	8	268
1232001068		0.44		0.041		1.4	1.45	12	<10	80	<0.5	<2	1.87	0.8	9	289
1126032415		0.42		0.069		2.0	0.78	24	<10	30	<0.5	<2	0.73	0.6	14	116
1126032080		0.49		0.249		1.1	0.85	36	<10	30	<0.5	2	1.74	0.5	9	216
1125019411		0.52		0.140		0.5	1.06	8	<10	40	<0.5	<2	1.69	<0.5	13	245
1126033528		0.53		4.26		0.6	0.93	111	<10	40	<0.5	<2	0.58	6.8	11	191
1126032024		0.72		0.205		1.5	0.67	28	<10	30	<0.5	<2	2.29	1.1	9	133
1126033505		0.61		0.144		1.1	1.68	62	<10	20	<0.5	<2	1.72	3.4	11	209
1126033101		0.44		0.154		0.8	0.85	44	<10	30	<0.5	<2	2.79	1.0	9	164
1232002001		0.50		0.384		1.3	1.57	11	<10	40	<0.5	4	0.52	<0.5	10	217
1232001048		0.53		0.072		1.0	1.89	13	<10	50	<0.5	<2	2.69	0.6	22	277
V829089		0.06		0.956		2.5	1.09	2	<10	80	<0.5	<2	0.68	<0.5	14	8
1125023013		0.45		0.091		0.2	2.24	6	<10	70	<0.5	<2	2.26	<0.5	9	263
1125023147		0.55		0.074		1.1	2.97	30	<10	80	<0.5	5	1.71	1.0	42	259
1232002111		0.54		0.671		0.8	1.01	14	<10	40	<0.5	<2	0.86	<0.5	11	194
1126033046		0.55		0.435		0.9	0.87	134	<10	20	<0.5	<2	2.51	1.3	9	94
1126033088		0.47		0.308		3.6	1.48	114	<10	70	<0.5	<2	2.84	2.7	11	164
1125023005		0.54		0.070		0.5	3.27	12	<10	50	<0.5	2	2.28	<0.5	39	145
1125019098		0.58		0.035		0.5	1.33	49	<10	40	<0.5	<2	2.83	<0.5	6	112
1126033030		0.50		1.150		2.2	0.98	73	<10	30	<0.5	<2	2.14	7.5	8	171
1125019056		0.41		0.104		0.5	1.03	6	<10	40	<0.5	<2	1.55	<0.5	10	335
1126032004		0.47		0.400		3.5	1.77	25	<10	30	<0.5	2	1.77	1.7	8	254
1125009001		0.43		0.314		0.9	1.31	58	<10	30	<0.5	<2	2.47	0.6	11	127
1125023167		0.49		0.040		0.3	1.65	6	<10	110	<0.5	2	2.60	<0.5	19	283
1125020187		0.57		2.84		2.0	0.87	89	<10	20	<0.5	<2	1.43	1.7	13	161
1125019018		0.49		0.158		0.5	1.09	9	<10	50	<0.5	<2	1.70	<0.5	13	559
1125019163		0.53		0.168		0.8	0.91	9	<10	50	<0.5	<2	1.16	<0.5	11	382
1125020165		0.44		0.191		0.7	1.49	35	<10	60	<0.5	<2	2.21	<0.5	8	182
1125020136		0.50		0.100		0.6	1.38	33	<10	40	<0.5	<2	2.12	<0.5	8	244
1126033062		0.53		0.848		1.4	0.94	123	<10	50	<0.5	<2	1.69	3.6	11	182
V829090		0.06		6.68		5.3	0.85	<2	<10	50	<0.5	<2	0.55	<0.5	7	10
1125018335		0.48		0.521		4.0	0.72	36	<10	30	<0.5	<2	2.73	8.9	8	264
1232002125		0.56		0.284		0.5	0.89	12	<10	30	<0.5	<2	0.86	<0.5	10	146
1125026078		0.45		0.601		1.8	1.30	128	<10	30	<0.5	2	0.33	15.7	6	125
1125018231		0.59		0.258		3.0	0.70	31	<10	20	<0.5	3	2.39	1.6	8	203

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1126033026		35	2.18	<10	<1	0.17	10	0.77	475	<1	0.15	12	380	37	1.86	<2
1232002009		136	3.29	<10	<1	0.14	10	0.72	462	3	0.13	13	410	4	2.71	<2
1126032447		31	2.27	<10	1	0.21	10	0.53	505	1	0.15	14	520	48	2.07	<2
1126032401		41	2.19	10	<1	0.23	10	0.83	538	1	0.13	16	410	49	1.82	<2
1232001120		61	2.67	<10	<1	0.21	10	0.76	362	1	0.06	23	650	24	0.90	<2
1232001069		20	2.05	10	<1	0.38	10	0.81	567	1	0.07	15	460	2	0.50	<2
1232001068		88	2.24	10	1	0.51	20	0.86	583	1	0.06	16	520	4	0.49	<2
1126032415		27	2.94	<10	<1	0.15	10	0.28	525	1	0.03	17	490	12	3.12	<2
1126032080		31	2.01	<10	<1	0.16	10	0.48	768	1	0.02	13	470	41	1.84	<2
1125019411		42	2.38	<10	<1	0.11	10	0.63	302	2	0.06	13	420	2	0.70	<2
1126033528		45	2.69	<10	<1	0.20	10	0.67	432	1	0.01	19	480	17	2.14	<2
1126032024		34	1.99	<10	<1	0.15	10	0.39	809	<1	0.02	12	480	19	2.06	<2
1126033505		52	2.50	<10	1	0.16	10	0.72	532	1	0.10	16	430	147	2.23	<2
1126033101		35	1.99	<10	1	0.23	10	0.98	1520	2	0.02	11	460	19	1.42	<2
1232002001		297	3.24	<10	1	0.15	10	0.82	304	3	0.08	11	430	4	2.59	<2
1232001048		44	4.38	10	<1	0.25	10	1.54	985	1	0.05	41	530	6	2.07	<2
V829089		58	3.13	10	1	0.27	10	0.53	297	11	0.10	18	730	9	0.07	<2
1125023013		22	2.62	10	1	0.29	20	1.13	460	1	0.15	18	530	3	0.19	<2
1125023147		99	10.90	10	1	0.36	<10	1.61	1285	1	0.11	64	780	4	3.23	<2
1232002111		186	2.59	<10	1	0.10	10	0.62	396	3	0.07	12	400	2	2.04	<2
1126033046		31	1.82	<10	1	0.18	10	0.68	1430	<1	0.01	10	440	20	1.42	<2
1126033088		33	2.54	<10	2	0.37	10	1.36	1090	1	0.01	22	570	25	1.45	<2
1125023005		80	8.63	10	1	0.18	<10	1.56	1370	1	0.07	54	700	4	0.86	2
1125019098		13	1.52	<10	1	0.19	10	0.80	653	1	0.06	10	350	15	0.65	<2
1126033030		82	2.02	<10	1	0.23	10	0.72	1150	1	0.02	12	420	88	1.75	<2
1125019056		46	2.11	10	1	0.09	10	0.59	285	1	0.05	10	410	3	0.56	<2
1126032004		38	2.09	<10	<1	0.18	10	0.62	440	<1	0.11	12	440	27	1.99	<2
1125009001		217	2.24	<10	<1	0.17	20	0.83	718	1	0.02	10	550	36	1.34	2
1125023167		35	3.70	10	1	0.37	10	1.09	554	1	0.05	36	570	2	0.29	<2
1125020187		65	2.79	<10	1	0.10	10	0.55	456	1	0.02	13	530	113	2.64	<2
1125019018		51	2.89	10	1	0.11	10	0.60	291	2	0.07	13	370	3	1.33	<2
1125019163		29	2.46	<10	1	0.12	10	0.55	225	1	0.04	13	360	3	1.04	<2
1125020165		32	1.90	<10	<1	0.23	10	0.86	526	1	0.07	10	420	16	1.28	<2
1125020136		26	1.82	<10	<1	0.15	10	0.86	496	2	0.07	11	360	14	0.87	<2
1126033062		53	2.54	<10	2	0.29	10	0.77	589	1	0.01	23	570	21	2.02	2
V829090		40	1.72	<10	1	0.17	10	0.37	185	15	0.13	10	600	10	0.07	<2
1125018335		156	2.03	<10	2	0.19	10	0.65	1485	1	0.01	12	410	975	1.86	3
1232002125		156	2.37	<10	1	0.09	10	0.62	386	3	0.04	14	450	3	1.63	<2
1125026078		86	2.59	<10	2	0.36	10	0.76	539	<1	<0.01	8	380	34	1.88	3
1125018231		64	1.98	<10	<1	0.14	10	0.45	1085	1	0.01	11	440	173	1.97	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1126033026		1	55	<20	0.01	<10	<10	7	<10	412	0.21	1.53	28	8.4	-20	47.8
1232002009		1	53	<20	0.01	<10	<10	11	<10	67	0.17	2.48	21	8.7	-57	77.5
1126032447		1	87	<20	<0.01	<10	<10	6	<10	156	0.30	1.87	29	8.7	-29	58.4
1126032401		1	50	<20	0.01	<10	<10	7	<10	336	0.30	1.65	34	8.5	-18	51.6
1232001120		2	38	<20	0.09	<10	<10	35	10	514	0.24	0.82	23	8.7	-3	25.6
1232001069		2	31	<20	0.08	<10	<10	22	<10	367	0.41	0.44	44	9.4	30	13.8
1232001068		2	33	<20	0.07	<10	<10	21	<10	254	0.56	0.44	51	9.5	37	13.8
1126032415		<1	25	<20	<0.01	<10	<10	4	<10	214	0.23	3.07	20	8.5	-76	95.9
1126032080		<1	19	<20	<0.01	<10	<10	4	<10	157	0.49	1.75	43	8.8	-12	54.7
1125019411		1	42	<20	<0.01	<10	<10	10	20	21	0.57	0.68	50	9.0	29	21.3
1126033528		1	26	<20	0.01	<10	<10	11	<10	1655	0.17	2.14	20	8.6	-47	66.9
1126032024		<1	25	<20	<0.01	<10	<10	3	<10	281	0.66	1.95	58	8.8	-3	60.9
1126033505		1	33	<20	0.01	<10	<10	6	<10	863	0.33	2.16	32	8.6	-36	67.5
1126033101		1	27	<20	<0.01	<10	<10	4	<10	235	1.16	1.33	97	9.2	55	41.6
1232002001		1	39	<20	0.01	<10	<10	11	10	41	0.13	2.25	13	8.3	-57	70.3
1232001048		3	37	<20	0.04	<10	<10	50	<10	199	0.98	1.89	78	8.7	19	59.1
V829089		2	16	<20	0.36	<10	<10	77	<10	51	0.05					
1125023013		2	57	<20	0.05	<10	<10	37	10	113	0.62	0.19	57	9.5	51	5.9
1125023147		12	40	<20	0.11	<10	<10	244	10	403	0.71	3.41	99	8.4	-8	106.6
1232002111		1	30	<20	0.01	<10	<10	13	10	55	0.23	2.00	26	8.5	-37	62.5
1126033046		1	20	<20	<0.01	<10	<10	4	<10	331	0.86	1.21	73	8.8	35	37.8
1126033088		2	73	<20	0.02	<10	<10	20	<10	694	0.92	1.51	82	8.9	35	47.2
1125023005		13	48	<20	0.12	<10	<10	172	10	251	0.93	0.91	75	8.9	47	28.4
1125019098		1	66	<20	<0.01	<10	<10	6	<10	71	0.92	0.66	77	9.5	56	20.6
1126033030		1	29	<20	<0.01	<10	<10	4	<10	1755	0.75	1.77	65	8.9	10	55.3
1125019056		1	29	<20	0.01	<10	<10	14	<10	34	0.50	0.57	42	9.5	24	17.8
1126032004		1	42	<20	0.02	<10	<10	6	<10	396	0.31	1.99	37	8.7	-25	62.2
1125009001		1	33	<20	<0.01	<10	<10	7	<10	186	0.76	1.34	69	8.9	27	41.9
1125023167		5	55	<20	0.08	<10	<10	79	<10	94	0.91	0.29	70	9.4	61	9.1
1125020187		<1	18	<20	<0.01	<10	<10	4	<10	412	0.42	2.70	40	8.9	-44	84.4
1125019018		1	36	<20	<0.01	<10	<10	13	<10	19	0.62	1.34	52	8.9	10	41.9
1125019163		1	28	<20	0.02	<10	<10	16	<10	23	0.41	1.02	35	9.3	3	31.9
1125020165		1	45	<20	<0.01	<10	<10	6	<10	127	0.66	1.23	62	9.3	24	38.4
1125020136		1	53	<20	<0.01	<10	<10	7	<10	84	0.60	0.81	55	9.4	30	25.3
1126033062		2	50	<20	0.01	<10	<10	16	<10	880	0.53	1.89	51	8.9	-8	59.1
V829090		2	22	<20	0.25	<10	<10	51	<10	34	0.02					
1125018335		<1	22	<20	<0.01	<10	<10	3	<10	2060	1.03	1.74	80	9.0	26	54.4
1232002125		1	21	<20	0.02	<10	<10	16	<10	61	0.25	1.56	23	8.4	-26	48.8
1125026078		<1	11	<20	0.01	<10	<10	7	<10	3670	0.07	1.79	12	8.6	-44	55.9
1125018231		<1	19	<20	<0.01	<10	<10	3	<10	431	0.74	1.95	61	8.8	0	60.9

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1126033026		0.59	2
1232002009		0.27	2
1126032447		0.50	2
1126032401		0.66	2
1232001120		0.90	2
1232001069		3.20	2
1232001068		3.71	2
1126032415		0.21	2
1126032080		0.79	2
1125019411		2.35	2
1126033528		0.30	2
1126032024		0.95	2
1126033505		0.47	2
1126033101		2.33	3
1232002001		0.18	1
1232001048		1.32	2
V829089			
1125023013		9.60	2
1125023147		0.93	3
1232002111		0.42	2
1126033046		1.93	2
1126033088		1.74	2
1125023005		2.64	2
1125019098		3.73	2
1126033030		1.18	2
1125019056		2.36	2
1126032004		0.59	2
1125009001		1.65	2
1125023167		7.72	2
1125020187		0.47	2
1125019018		1.24	2
1125019163		1.10	2
1125020165		1.61	2
1125020136		2.17	2
1126033062		0.86	2
V829090			
1125018335		1.47	2
1232002125		0.47	2
1125026078		0.21	1
1125018231		1.00	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1232002150		0.54		0.328		0.7	1.17	12	<10	40	<0.5	2	0.74	<0.5	10	322
1125027052		0.50		0.054		2.3	2.23	22	<10	30	<0.5	2	1.77	4.0	7	221
1125027010		0.46		0.313		0.6	1.03	55	<10	30	<0.5	<2	3.01	2.6	8	220
1125027008		0.52		0.568		1.1	1.04	70	<10	20	<0.5	<2	2.27	5.9	8	229
1125018240		0.41		0.598		3.6	0.61	84	<10	40	<0.5	<2	2.38	7.3	10	238
1125017207		0.48		0.861		1.4	0.93	17	<10	30	<0.5	<2	2.38	1.5	7	262
1125018246		0.47		0.424		1.4	0.68	44	<10	30	<0.5	<2	2.62	3.5	9	185
1125017007		0.51		0.188		4.0	0.88	37	<10	40	<0.5	2	0.88	2.1	9	245
1125017136		0.53		0.258		5.2	0.80	31	<10	30	<0.5	4	0.65	1.6	13	271
1125011126		0.48	93.4	0.080		2.0	1.20	47	<10	20	<0.5	<2	2.22	1.0	9	193
1125018309		0.54		0.209		0.4	1.19	40	<10	20	<0.5	<2	2.05	<0.5	8	258
1232002130		0.50		0.568		0.7	0.95	11	<10	30	<0.5	2	0.75	<0.5	9	130
V829091		0.06		1.920		3.6	0.99	3	<10	70	<0.5	<2	0.47	<0.5	10	14
1125011089		0.52		1.575		3.6	0.93	160	<10	50	<0.5	<2	0.96	4.2	8	141
1125017146		0.51		0.196		5.9	0.77	31	<10	40	<0.5	2	2.51	1.6	9	470
1125011040		0.46		1.210		2.6	0.95	129	<10	50	<0.5	<2	1.44	3.1	15	146
1125011163		0.46		1.830		1.4	1.07	103	<10	30	<0.5	<2	1.17	3.3	26	161
1125017157		0.51		0.294		6.8	1.05	50	<10	40	<0.5	5	0.92	2.9	9	213
1125011073		0.54		1.020		1.2	1.05	108	<10	50	<0.5	<2	1.05	2.7	8	160
1125017016		0.57		0.384		4.9	0.92	39	<10	20	<0.5	<2	1.30	1.6	10	199
1125017104		0.52		0.154		3.3	0.62	36	<10	40	<0.5	2	2.54	2.9	8	322
1125011091		0.48		1.540		1.5	0.91	104	<10	40	<0.5	2	1.56	1.5	13	129
1125024049		0.46		0.333		1.1	1.53	117	<10	90	<0.5	<2	3.16	2.7	12	263
1125017229		0.58		1.095		1.6	0.99	45	<10	40	<0.5	<2	2.27	1.4	8	322
1125017216		0.53		0.619		3.3	1.08	40	<10	40	<0.5	<2	1.98	2.8	9	331
1125024009		0.54		0.414		1.0	1.54	114	<10	30	<0.5	<2	0.58	5.2	9	343
1125011007		0.52		0.917		1.4	0.71	58	<10	60	<0.5	<2	2.68	1.9	9	222
1125011005		0.27		0.593		2.1	0.99	58	<10	70	<0.5	<2	1.86	6.3	9	296
1125011056		0.51		0.033		0.6	1.28	33	<10	60	<0.5	<2	2.57	<0.5	8	182
1125011012		0.51		0.481		1.2	1.10	122	<10	50	<0.5	<2	0.64	1.7	16	242
1125011118		0.51		0.399		0.6	1.10	82	<10	40	<0.5	<2	1.64	<0.5	7	105
V829092		0.06		0.192		1.4	0.91	2	<10	40	<0.5	<2	0.50	<0.5	10	12
1232002162		0.57		0.290		1.2	1.35	11	<10	40	<0.5	2	0.76	<0.5	12	365
1125027188		0.56		0.177		2.0	0.94	26	<10	20	<0.5	<2	1.20	1.0	10	341
1125027174		0.47		0.382		2.2	1.17	29	<10	40	<0.5	<2	1.95	1.0	8	228
1125027115		0.45		1.635		1.0	1.64	107	<10	20	<0.5	<2	1.21	3.5	9	234
1125027130		0.47		0.168		0.7	1.22	101	<10	40	<0.5	<2	2.27	0.7	9	232
1125026033		0.38		1.535		1.6	1.36	89	<10	180	0.5	<2	1.38	11.1	10	267
1125025407		0.48		0.513		22.3	1.11	39	<10	50	<0.5	<2	2.39	1.0	8	256
1125025099		0.47		0.544		2.6	0.99	29	<10	30	<0.5	<2	1.61	1.6	10	209

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Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1232002150		129	2.75	<10	1	0.11	10	0.67	356	3	0.09	13	430	3	2.07	<2
1125027052		38	1.80	10	1	0.17	10	0.68	514	1	0.20	11	390	428	1.33	2
1125027010		35	1.89	<10	<1	0.22	10	0.83	1415	1	0.01	11	420	29	1.32	<2
1125027008		44	2.09	<10	1	0.18	10	0.80	1160	1	0.01	11	420	30	1.57	<2
1125018240		73	2.49	<10	1	0.26	10	0.80	1935	1	0.01	14	410	1010	2.36	3
1125017207		32	1.77	<10	1	0.23	10	1.00	1355	1	0.02	10	410	18	1.61	<2
1125018246		41	2.08	<10	1	0.26	10	0.88	1355	1	0.01	11	400	296	1.88	4
1125017007		75	2.23	<10	2	0.24	10	0.35	655	1	0.03	13	440	162	2.21	3
1125017136		51	2.22	<10	1	0.17	10	0.30	584	1	0.02	15	400	112	2.31	<2
1125011126		27	1.97	<10	<1	0.17	10	0.84	1350	1	0.02	12	420	122	1.80	<2
1125018309		16	1.83	<10	1	0.16	10	0.85	1105	1	0.02	10	410	51	1.57	<2
1232002130		242	2.37	<10	1	0.09	10	0.63	363	3	0.05	13	430	2	1.74	<2
V829091		262	2.04	<10	1	0.24	10	0.39	234	14	0.12	12	380	19	0.06	<2
1125011089		67	2.75	<10	<1	0.31	10	0.35	629	1	0.03	9	520	324	2.76	3
1125017146		58	2.69	<10	1	0.26	10	0.94	2220	1	0.02	15	400	248	2.24	4
1125011040		60	2.57	<10	1	0.36	10	0.58	1260	1	0.02	16	550	313	2.53	2
1125011163		91	2.87	<10	1	0.18	10	0.49	598	1	0.02	40	440	321	2.81	2
1125017157		100	2.11	<10	2	0.29	10	0.42	1090	1	0.02	11	420	291	2.25	2
1125011073		33	2.61	<10	1	0.28	10	0.47	650	<1	0.03	10	570	115	2.38	<2
1125017016		42	2.52	<10	1	0.14	10	0.82	1275	1	0.02	12	360	16	2.37	<2
1125017104		81	2.21	<10	1	0.25	10	0.63	1740	1	0.02	12	410	275	2.30	3
1125011091		66	2.61	<10	<1	0.27	10	0.69	1205	<1	0.02	12	540	93	2.23	2
1125024049		40	2.78	<10	<1	0.52	20	1.22	1145	1	0.02	25	620	21	1.78	<2
1125017229		22	2.09	<10	1	0.23	10	0.90	1420	1	0.02	11	410	137	1.76	<2
1125017216		56	2.20	<10	1	0.26	10	0.84	1250	2	0.02	12	420	163	1.79	<2
1125024009		58	2.65	<10	1	0.30	10	0.98	579	2	0.01	12	420	30	1.64	<2
1125011007		78	2.18	<10	1	0.34	10	0.63	1780	1	0.01	13	420	218	2.16	2
1125011005		44	2.18	<10	<1	0.44	10	0.76	1870	1	0.02	13	410	470	2.08	3
1125011056		12	1.77	<10	<1	0.23	10	0.78	503	<1	0.06	9	380	20	1.36	<2
1125011012		23	2.87	<10	<1	0.22	10	0.30	232	1	0.03	17	460	25	2.80	<2
1125011118		20	2.42	<10	<1	0.22	10	0.68	871	1	0.03	8	550	23	1.79	<2
V829092		53	2.58	<10	<1	0.21	10	0.37	255	4	0.15	11	510	20	0.03	<2
1232002162		178	2.98	<10	1	0.14	10	0.80	382	2	0.07	17	470	4	1.70	<2
1125027188		54	2.04	<10	1	0.14	10	0.43	543	1	0.02	14	450	23	1.66	<2
1125027174		23	2.07	<10	<1	0.22	10	0.59	833	1	0.03	12	450	11	1.90	<2
1125027115		33	2.65	<10	<1	0.18	10	0.84	669	1	0.07	12	410	78	2.19	2
1125027130		41	2.11	<10	1	0.20	10	0.57	896	1	0.03	12	420	23	1.84	<2
1125026033		87	2.69	<10	<1	0.85	10	1.11	1245	1	<0.01	15	930	128	1.73	<2
1125025407		62	2.20	<10	1	0.23	10	0.80	1165	2	0.05	11	430	91	2.03	<2
1125025099		54	2.26	<10	<1	0.19	10	0.58	866	1	0.03	13	420	168	2.21	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1232002150		1	41	<20	0.01	<10	<10	17	<10	81	0.17	2.07	21	8.6	-44	64.7
1125027052		1	48	<20	0.02	<10	<10	7	<10	1110	0.23	1.29	31	9.0	-9	40.3
1125027010		1	29	<20	<0.01	<10	<10	4	<10	567	1.07	1.24	91	9.0	52	38.8
1125027008		<1	21	<20	<0.01	<10	<10	4	<10	1280	0.73	1.61	59	9.0	9	50.3
1125018240		1	22	<20	<0.01	<10	<10	4	<10	1855	1.28	2.35	87	8.9	14	73.4
1125017207		1	28	<20	<0.01	<10	<10	5	<10	399	1.13	1.68	86	9.1	34	52.5
1125018246		1	25	<20	<0.01	<10	<10	4	<10	812	1.31	1.85	101	9.1	43	57.8
1125017007		1	22	<20	<0.01	<10	<10	6	<10	534	0.36	2.29	29	8.7	-43	71.6
1125017136		<1	14	<20	<0.01	<10	<10	4	<10	406	0.47	2.37	20	8.6	-54	74.1
1125011126		1	18	<20	<0.01	<10	<10	5	<10	269	0.73	1.86	60	8.9	2	58.1
1125018309		<1	15	<20	<0.01	<10	<10	5	<10	96	0.67	1.55	53	8.9	5	48.4
1232002130		1	26	<20	0.01	<10	<10	15	<10	55	0.21	1.78	43	8.8	-13	55.6
V829091		2	21	<20	0.30	<10	<10	45	<10	54	0.02					
1125011089		1	19	<20	<0.01	<10	<10	5	<10	922	0.43	2.95	35	8.7	-57	92.2
1125017146		1	31	<20	<0.01	<10	<10	12	<10	390	1.31	2.27	102	9.0	31	70.9
1125011040		1	19	<20	<0.01	<10	<10	6	<10	749	0.71	2.61	56	9.0	-26	81.6
1125011163		1	17	<20	<0.01	<10	<10	5	<10	802	0.41	2.80	34	8.6	-54	87.5
1125017157		1	20	<20	<0.01	<10	<10	4	<10	741	0.47	2.25	33	8.9	-37	70.3
1125011073		1	19	<20	<0.01	<10	<10	6	<10	686	0.44	2.37	36	8.9	-38	74.1
1125017016		<1	25	<20	<0.01	<10	<10	4	<10	403	0.68	2.36	52	8.7	-22	73.8
1125017104		<1	26	<20	<0.01	<10	<10	3	<10	706	1.17	2.38	89	9.0	15	74.4
1125011091		1	18	<20	<0.01	<10	<10	5	<10	378	0.81	2.23	59	8.8	-11	69.7
1125024049		3	83	<20	0.03	<10	<10	23	<10	671	1.18	1.76	87	9.0	32	55.0
1125017229		1	26	<20	<0.01	<10	<10	6	<10	347	1.17	1.71	80	9.1	27	53.4
1125017216		1	28	<20	<0.01	<10	<10	5	<10	737	1.02	1.75	71	9.0	16	54.7
1125024009		1	13	<20	0.02	<10	<10	8	<10	1190	0.23	1.61	20	8.9	-30	50.3
1125011007		1	23	<20	<0.01	<10	<10	4	<10	560	1.20	2.14	88	9.1	21	66.9
1125011005		1	20	<20	<0.01	<10	<10	5	<10	1500	1.02	2.09	77	9.1	12	65.3
1125011056		1	68	<20	<0.01	<10	<10	5	<10	92	0.97	1.35	75	9.2	33	42.2
1125011012		1	20	<20	<0.01	<10	<10	6	<10	425	0.17	2.87	19	8.4	-71	89.7
1125011118		1	22	<20	<0.01	<10	<10	6	<10	129	0.75	1.78	57	8.9	1	55.6
V829092		2	21	<20	0.40	<10	<10	60	<10	60	0.02					
1232002162		2	37	<20	0.04	<10	<10	24	<10	93	0.21	1.67	19	8.6	-33	52.2
1125027188		1	18	<20	<0.01	<10	<10	5	10	235	0.36	1.65	30	8.7	-22	51.6
1125027174		1	25	<20	<0.01	<10	<10	5	<10	246	0.59	1.87	49	8.9	-9	58.4
1125027115		1	27	<20	0.01	<10	<10	6	<10	809	0.25	2.12	25	8.6	-41	66.3
1125027130		1	26	<20	<0.01	<10	<10	5	<10	182	0.71	1.85	59	8.7	1	57.8
1125026033		3	157	<20	0.06	<10	<10	20	<10	2630	0.60	1.76	53	9.1	-2	55.0
1125025407		1	53	<20	<0.01	<10	<10	5	<10	244	1.10	2.03	75	8.8	12	63.4
1125025099		1	19	<20	<0.01	<10	<10	4	<10	394	0.56	2.14	45	9.0	-22	66.9

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1232002150		0.32	2
1125027052		0.77	2
1125027010		2.35	3
1125027008		1.17	2
1125018240		1.18	2
1125017207		1.64	2
1125018246		1.75	3
1125017007		0.41	2
1125017136		0.27	2
1125011126		1.03	2
1125018309		1.09	2
1232002130		0.77	2
V829091			
1125011089		0.38	2
1125017146		1.44	3
1125011040		0.69	2
1125011163		0.39	2
1125017157		0.47	2
1125011073		0.49	2
1125017016		0.71	2
1125017104		1.20	2
1125011091		0.85	2
1125024049		1.58	2
1125017229		1.50	2
1125017216		1.30	2
1125024009		0.40	2
1125011007		1.32	2
1125011005		1.18	2
1125011056		1.78	2
1125011012		0.21	2
1125011118		1.02	2
V829092			
1232002162		0.36	2
1125027188		0.58	2
1125027174		0.84	2
1125027115		0.38	2
1125027130		1.02	2
1125026033		0.96	2
1125025407		1.18	2
1125025099		0.67	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1125027042		0.56		0.589		0.8	0.86	54	<10	30	<0.5	<2	2.48	3.0	8	145
1125025095		0.48		0.421		2.3	0.92	32	<10	40	<0.5	<2	2.38	1.1	8	255
1232002465		0.63		0.050		0.4	1.03	10	<10	40	<0.5	2	0.82	<0.5	9	313
1125025144		0.57		0.088		1.4	1.49	33	<10	50	<0.5	<2	1.63	1.0	8	124
1125027072		0.52		2.81		1.0	0.88	79	<10	20	<0.5	<2	2.13	2.2	8	169
1125025159		0.61		0.218		3.4	0.91	58	<10	40	<0.5	<2	1.75	1.9	8	186
V829093		0.06		0.961		2.5	1.25	<2	<10	90	<0.5	<2	0.83	<0.5	15	9
1125016163		0.53		0.764		1.6	1.86	40	<10	30	<0.5	<2	1.12	7.0	7	249
1125016184		0.44		1.955		0.9	1.71	55	<10	20	<0.5	<2	1.10	5.3	7	210
1125015070		0.40		1.530		0.8	1.32	61	<10	30	<0.5	<2	0.96	10.2	8	232
1125015109		0.48		0.454		2.0	0.53	73	<10	30	<0.5	<2	2.70	3.2	9	201
1125016203		0.48		0.217		1.3	1.57	52	<10	30	<0.5	<2	1.24	17.1	7	178
1125016200		0.52		0.529		1.2	1.39	45	<10	50	<0.5	<2	1.30	9.0	7	169
1125012020		0.38		0.142		0.5	2.18	52	<10	40	<0.5	<2	1.57	<0.5	8	281
1125012054		0.47		0.086		1.6	3.06	18	<10	120	<0.5	<2	4.66	1.3	25	225
1125016122		0.46		2.03		1.0	1.58	46	<10	20	<0.5	<2	1.12	0.9	8	312
1125010201		0.52		1.060		3.7	0.77	36	<10	40	<0.5	<2	2.37	10.2	8	219
1125015001		0.47		0.893		1.8	0.59	79	<10	40	<0.5	<2	3.06	2.5	7	266
1125016150		0.46		0.882		2.1	1.77	32	<10	40	<0.5	<2	1.68	3.9	8	304
1125016088		0.50	88.5	1.485		1.5	1.19	41	<10	30	<0.5	<2	2.01	5.3	7	218
1125016153		0.50		0.416		0.4	1.33	22	<10	30	<0.5	<2	1.43	0.8	6	385
1125010141		0.48		2.59		4.0	0.67	34	<10	40	<0.5	<2	1.86	13.0	9	452
1125010034		0.47		2.32		3.0	0.59	39	<10	30	<0.5	<2	1.47	0.9	10	230
V829094		0.06		1.790		6.7	0.84	416	<10	50	<0.5	3	1.25	1.0	7	14
1125026116		0.47		2.04		2.7	0.87	268	<10	40	<0.5	3	0.19	15.6	6	154
1125027111		0.55		0.164		0.8	2.00	55	10	30	<0.5	<2	1.65	2.1	8	148
1124001284		0.49		0.085		0.5	1.44	37	<10	50	<0.5	<2	2.51	<0.5	8	168
1125027244		0.49		0.100		1.5	0.93	33	<10	50	<0.5	<2	2.24	0.6	9	214
1125027076		0.59		7.70		5.6	1.17	133	<10	30	<0.5	2	0.98	33.2	9	179
1124001281		0.42		0.051		0.5	1.35	27	<10	50	<0.5	<2	2.23	<0.5	7	309
1125027220		0.54		0.131		2.4	0.81	34	<10	20	<0.5	2	2.18	2.2	8	116
1125028033		0.53		0.312		0.4	1.95	68	<10	30	<0.5	<2	0.46	1.0	9	119
1125027226		0.55		0.358		1.2	1.10	39	<10	40	<0.5	<2	2.42	1.6	9	178
1125028097		0.39		0.961		3.1	1.58	95	<10	30	<0.5	<2	0.39	3.1	9	255
1125028087		0.47		0.451		1.4	1.11	238	<10	30	<0.5	<2	1.08	1.5	8	377
1232002169		0.60		0.846		1.2	1.22	12	<10	40	<0.5	<2	0.66	<0.5	11	320
1125025411		0.51		0.118		1.6	0.91	55	<10	40	<0.5	<2	1.77	1.4	8	275
1125026086		0.54		0.792		1.3	0.89	70	<10	110	<0.5	<2	0.24	11.1	6	157
1125028526		0.45		0.382		1.1	0.65	220	<10	30	<0.5	<2	1.55	16.2	8	234
1124001265		0.53		0.678		1.1	1.44	58	<10	30	<0.5	<2	2.21	2.3	9	275

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CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1125027042		43	1.89	<10	1	0.26	10	0.84	1350	1	0.01	11	400	34	1.47	2
1125025095		40	2.06	<10	1	0.24	10	0.56	1100	1	0.03	10	410	124	1.90	<2
1232002465		84	2.62	<10	<1	0.08	10	0.66	439	3	0.06	10	370	2	1.87	<2
1125025144		18	1.99	<10	1	0.19	10	1.14	870	<1	0.04	8	420	132	1.87	<2
1125027072		44	2.00	<10	1	0.20	10	0.65	1165	1	0.02	10	420	88	1.76	<2
1125025159		68	1.99	<10	1	0.21	10	0.73	1135	1	0.04	12	440	267	1.92	<2
V829093		57	3.37	10	1	0.28	10	0.57	325	11	0.12	17	740	7	0.07	<2
1125016163		62	1.94	10	<1	0.31	10	1.19	699	<1	0.02	8	390	131	1.19	3
1125016184		32	2.63	<10	<1	0.22	10	0.89	539	1	0.05	8	410	21	1.82	<2
1125015070		87	3.69	<10	1	0.21	10	0.85	789	1	0.01	13	420	29	2.82	<2
1125015109		60	2.33	<10	1	0.25	10	0.88	2070	1	0.01	11	430	134	2.04	<2
1125016203		83	2.34	<10	1	0.35	10	1.07	807	1	0.01	8	360	76	1.66	<2
1125016200		59	2.08	<10	<1	0.38	10	0.97	872	1	0.01	8	450	50	1.30	<2
1125012020		17	1.73	10	<1	0.26	10	0.89	632	<1	0.11	8	390	40	0.75	2
1125012054		97	5.77	10	<1	0.63	10	1.60	1500	1	0.12	34	730	14	1.53	<2
1125016122		34	1.75	<10	<1	0.23	10	0.79	522	1	0.07	7	390	57	1.28	<2
1125010201		93	2.16	<10	1	0.22	10	0.99	1385	1	0.02	11	410	1050	1.96	2
1125015001		31	2.14	<10	1	0.27	10	1.25	2840	1	0.01	11	390	320	1.65	<2
1125016150		63	1.86	<10	1	0.30	10	0.91	670	1	0.05	8	410	592	1.48	2
1125016088		63	1.87	<10	<1	0.24	10	0.95	1130	1	0.01	7	390	276	1.23	3
1125016153		17	1.70	<10	1	0.27	10	0.58	560	2	0.04	7	400	65	1.43	<2
1125010141		139	2.54	<10	1	0.23	10	0.68	1030	1	0.02	14	430	245	2.42	2
1125010034		60	2.60	<10	1	0.18	10	0.53	762	1	0.03	14	410	59	2.65	<2
V829094		294	4.45	<10	1	0.28	20	0.30	477	3	0.01	9	160	19	3.42	3
1125026116		205	3.82	<10	<1	0.37	10	0.29	385	<1	<0.01	7	330	136	3.80	<2
1125027111		33	1.93	10	1	0.22	10	0.73	534	1	0.11	11	400	88	1.63	<2
1124001284		15	1.70	<10	1	0.22	10	0.85	579	1	0.05	9	370	15	1.07	<2
1125027244		21	2.23	<10	<1	0.23	10	0.43	764	1	0.04	14	410	20	2.25	<2
1125027076		186	3.45	<10	1	0.23	10	0.59	448	1	0.02	12	380	56	3.64	<2
1124001281		11	1.78	<10	<1	0.19	10	0.76	442	1	0.07	10	370	10	1.14	<2
1125027220		103	2.00	<10	<1	0.13	10	0.51	956	<1	0.02	10	440	165	1.97	<2
1125028033		35	2.35	<10	<1	0.23	10	1.24	609	1	0.01	13	380	14	0.79	<2
1125027226		46	2.04	<10	<1	0.20	10	0.61	931	1	0.02	11	420	79	1.85	<2
1125028097		131	2.47	<10	<1	0.24	10	1.08	522	1	0.01	17	370	17	1.54	<2
1125028087		75	3.20	<10	<1	0.30	20	0.58	518	1	0.01	10	410	42	2.59	2
1232002169		107	2.64	<10	1	0.10	10	0.67	376	3	0.07	14	410	10	1.65	<2
1125025411		38	2.19	<10	<1	0.20	10	0.57	805	2	0.04	10	440	65	2.07	<2
1125026086		83	2.48	<10	<1	0.43	10	0.33	745	1	<0.01	7	340	67	2.06	<2
1125028526		56	3.40	<10	<1	0.28	10	0.55	1055	1	0.01	9	400	24	3.49	<2
1124001265		39	2.51	<10	1	0.15	10	0.99	665	1	0.04	12	440	37	1.76	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1125027042		1	30	<20	<0.01	<10	<10	4	<10	711	1.11	1.41	84	9.1	40	44.1
1125025095		1	24	<20	<0.01	<10	<10	4	<10	289	0.90	1.84	68	9.0	11	57.5
1232002465		1	25	<20	0.01	<10	<10	13	<10	54	0.22	1.84	22	8.9	-36	57.5
1125025144		1	35	<20	<0.01	<10	<10	6	<10	297	0.62	1.82	50	9.0	-7	56.9
1125027072		<1	29	<20	<0.01	<10	<10	4	<10	546	0.79	1.61	65	9.1	15	50.3
1125025159		1	35	<20	<0.01	<10	<10	4	<10	491	0.76	1.83	57	9.1	0	57.2
V829093		3	20	<20	0.41	<10	<10	88	<10	53	0.05					
1125016163		1	28	<20	0.03	<10	<10	9	<10	1805	0.20	1.11	24	9.1	-11	34.7
1125016184		<1	34	<20	<0.01	<10	<10	6	<10	1400	0.29	1.77	27	8.7	-28	55.3
1125015070		1	11	<20	<0.01	<10	<10	5	<10	2240	0.30	2.83	30	8.7	-58	88.4
1125015109		1	21	<20	<0.01	<10	<10	3	<10	879	1.33	1.88	104	9.1	45	58.8
1125016203		1	27	<20	0.04	<10	<10	9	<10	3970	0.32	1.61	35	8.9	-15	50.3
1125016200		1	30	<20	0.01	<10	<10	9	<10	2140	0.40	1.26	39	9.2	0	39.4
1125012020		1	55	<20	0.01	<10	<10	7	<10	118	0.36	0.72	34	9.2	12	22.5
1125012054		7	155	<20	0.19	<10	<10	138	<10	474	1.36	1.51	159	8.9	112	47.2
1125016122		1	38	<20	<0.01	<10	<10	6	<10	267	0.24	1.27	28	8.9	-12	39.7
1125010201		1	25	<20	<0.01	<10	<10	5	<10	2500	1.21	1.94	88	9.0	27	60.6
1125015001		1	27	<20	<0.01	<10	<10	4	<10	666	1.67	1.62	133	9.2	82	50.6
1125016150		1	48	<20	0.01	<10	<10	7	<10	1055	0.42	1.36	39	9.0	-4	42.5
1125016088		1	30	<20	0.01	<10	<10	6	<10	1455	0.73	1.14	53	9.0	17	35.6
1125016153		1	40	<20	0.01	<10	<10	5	<10	253	0.38	1.38	33	8.9	-10	43.1
1125010141		1	22	<20	<0.01	<10	<10	6	<10	3080	0.87	2.37	67	8.8	-7	74.1
1125010034		<1	18	<20	<0.01	<10	<10	3	<10	196	0.70	2.58	53	8.6	-28	80.6
V829094		2	19	<20	0.01	<10	<10	7	<10	244	0.37					
1125026116		<1	13	<20	<0.01	<10	<10	4	<10	3500	0.06	3.24	8	8.1	-93	101.3
1125027111		1	39	<20	<0.01	<10	<10	7	<10	527	0.28	1.54	34	8.9	-14	48.1
1124001284		1	57	<20	<0.01	<10	<10	6	<10	141	0.83	0.97	67	9.5	37	30.3
1125027244		1	37	<20	<0.01	<10	<10	4	<10	148	0.73	2.17	57	8.9	-11	67.8
1125027076		<1	18	<20	<0.01	<10	<10	5	<10	7710	0.22	3.36	24	8.5	-81	105.0
1124001281		1	55	<20	<0.01	<10	<10	6	<10	108	0.72	1.07	59	9.4	26	33.4
1125027220		<1	18	<20	<0.01	<10	<10	3	<10	554	0.67	1.92	55	9.0	-5	60.0
1125028033		1	13	<20	<0.01	<10	<10	8	<10	299	0.10	0.74	14	9.3	-9	23.1
1125027226		1	22	<20	<0.01	<10	<10	5	<10	403	0.77	1.82	61	9.0	4	56.9
1125028097		1	16	<20	<0.01	<10	<10	7	<10	704	0.13	1.43	15	8.8	-30	44.7
1125028087		1	15	<20	0.01	<10	<10	5	<10	400	0.51	2.57	29	8.2	-51	80.3
1232002169		1	38	<20	0.03	<10	<10	17	10	101	0.15	1.61	16	8.4	-34	50.3
1125025411		1	31	<20	<0.01	<10	<10	5	<10	364	0.73	2.03	49	8.7	-14	63.4
1125026086		<1	73	<20	0.01	<10	<10	4	<10	2610	0.11	2.03	11	8.3	-52	63.4
1125028526		<1	18	<20	<0.01	<10	<10	3	<10	4080	0.72	3.41	57	8.4	-50	106.6
1124001265		1	42	<20	<0.01	<10	<10	8	<10	698	0.71	1.77	62	8.5	7	55.3

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1125027042		1.91	2
1125025095		1.18	2
1232002465		0.38	2
1125025144		0.88	2
1125027072		1.29	2
1125025159		1.00	2
V829093			
1125016163		0.69	2
1125016184		0.49	2
1125015070		0.34	2
1125015109		1.77	3
1125016203		0.70	2
1125016200		0.99	2
1125012020		1.51	2
1125012054		3.37	3
1125016122		0.71	2
1125010201		1.45	2
1125015001		2.63	3
1125016150		0.92	2
1125016088		1.49	2
1125016153		0.77	2
1125010141		0.90	2
1125010034		0.66	2
V829094			
1125026116		0.08	1
1125027111		0.71	2
1124001284		2.21	2
1125027244		0.84	2
1125027076		0.23	2
1124001281		1.76	2
1125027220		0.92	2
1125028033		0.61	1
1125027226		1.07	2
1125028097		0.34	1
1125028087		0.36	2
1232002169		0.32	2
1125025411		0.77	2
1125026086		0.17	1
1125028526		0.53	2
1124001265		1.12	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1232002157		0.63		0.747		1.0	1.29	10	<10	40	<0.5	2	0.65	<0.5	11	368
1125028504		0.44		4.67		6.0	1.45	154	<10	50	<0.5	2	1.28	10.7	12	240
1124001210		0.44		0.521		1.3	0.88	47	<10	40	<0.5	<2	1.62	2.6	9	162
V829095		0.06		0.200		1.5	0.85	3	<10	40	<0.5	<2	0.46	<0.5	9	12
1125023107		0.49		0.075		1.0	2.56	12	<10	80	<0.5	<2	1.72	0.5	44	177
1125009223		0.50		1.210		4.0	1.31	67	<10	20	<0.5	<2	1.20	3.2	8	184
1125009270		0.54		1.700		1.7	1.37	86	<10	20	<0.5	<2	0.66	10.5	9	187
1125009331		0.45		0.691		1.8	0.47	58	<10	30	<0.5	<2	2.20	1.7	15	184
1125009366		0.58		1.455		2.7	0.52	91	<10	30	<0.5	<2	2.74	3.1	12	159
1125020001		0.55		0.079		2.1	1.08	68	<10	30	<0.5	<2	2.02	0.8	8	125
1125020200		0.53		0.019		0.4	1.06	29	<10	30	<0.5	<2	1.85	<0.5	7	131
1125009288		0.45		1.285		3.3	0.50	102	<10	30	<0.5	<2	2.48	3.3	14	147
1125023187		0.49		0.127		1.9	4.14	23	<10	100	<0.5	<2	3.27	1.1	49	232
1125020157		0.47		0.062		0.9	1.34	45	<10	40	<0.5	<2	1.89	<0.5	7	230
1125020181		0.50		0.023		0.3	1.27	31	<10	40	<0.5	<2	2.06	0.5	7	163
V829096		0.06		0.949		2.3	1.10	<2	<10	80	<0.5	<2	0.69	<0.5	13	8
1125012102		0.56		0.378		1.7	1.16	49	<10	140	<0.5	<2	1.34	9.2	7	307
1125024041		0.46		0.159		1.8	0.50	101	<10	30	<0.5	<2	2.44	4.6	8	250
1125024156		0.55		0.614		1.3	0.98	111	<10	30	<0.5	<2	0.61	5.5	6	225
1125024035		0.54		1.055		2.5	1.27	112	<10	30	<0.5	<2	0.39	9.7	9	203
1125024144		0.51		0.739		3.0	1.04	104	<10	30	<0.5	<2	0.75	6.1	6	195
1125024021		0.56		0.397		2.9	0.50	107	<10	30	<0.5	<2	1.67	10.6	8	255
1125024073		0.51		0.249		1.0	1.81	79	<10	30	<0.5	<2	1.13	10.4	7	187
1125024115		0.48		0.476		1.6	1.03	229	<10	30	<0.5	<2	0.76	3.1	13	288
1125015416		0.49		1.425		1.3	1.27	34	<10	30	<0.5	<2	2.73	2.4	8	108
1125015046		0.46		1.465		1.5	0.61	57	<10	20	<0.5	2	2.64	14.0	8	326
1125024059		0.46		0.104		1.9	0.45	110	<10	20	<0.5	<2	2.22	6.0	8	175
1125024158		0.53		0.216		2.3	0.90	89	<10	20	<0.5	<2	1.50	15.0	6	287
1125011137		0.63		0.037		0.5	0.99	45	<10	30	<0.5	<2	2.43	<0.5	8	126
1125024150		0.47	90.1	0.445		1.1	1.18	106	<10	30	<0.5	<2	0.85	3.2	8	223
1125024001		0.61		0.301		1.7	0.74	135	<10	60	<0.5	<2	1.39	4.6	10	323
V829097		0.06		2.02		3.2	0.90	3	<10	70	<0.5	<2	0.41	<0.5	9	13
1125012174		0.43		0.106		0.4	1.13	40	<10	30	<0.5	<2	1.58	<0.5	8	240
1125015154		0.54		0.752		1.1	1.33	84	<10	30	<0.5	<2	0.56	4.0	8	253
1125015176		0.54		0.476		1.2	1.18	97	<10	40	<0.5	2	0.88	3.4	9	279
1125015401		0.36		7.04		2.1	1.29	63	<10	30	<0.5	2	1.52	19.3	9	282
1125012156		0.53		0.217		1.4	0.79	56	<10	20	<0.5	<2	1.57	0.5	6	246
1125012186		0.52		0.345		0.7	0.50	68	<10	60	<0.5	<2	1.79	2.8	7	331
1125012201		0.48		0.103		0.8	0.75	60	<10	20	<0.5	<2	2.01	<0.5	6	213
1125015148		0.51		1.335		1.7	0.98	109	<10	30	<0.5	<2	0.36	0.7	9	199

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CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1232002157		226	2.93	<10	1	0.11	10	0.75	325	3	0.09	15	450	3	1.90	<2
1125028504		137	3.26	<10	1	0.29	10	1.12	689	1	0.01	25	570	46	2.21	3
1124001210		54	1.84	<10	<1	0.26	10	0.64	875	<1	0.02	13	390	249	1.84	2
V829095		51	2.51	<10	<1	0.20	10	0.36	246	4	0.14	10	510	23	0.04	<2
1125023107		141	7.81	10	<1	0.26	<10	1.04	751	2	0.12	60	800	6	1.91	<2
1125009223		49	2.17	<10	1	0.16	20	0.75	675	<1	0.01	9	460	305	1.45	4
1125009270		119	3.48	<10	<1	0.13	20	0.85	595	1	0.01	10	480	186	2.79	<2
1125009331		32	1.95	<10	<1	0.21	<10	0.84	1795	1	0.01	20	390	265	1.76	3
1125009366		65	2.44	<10	1	0.18	10	0.76	1735	1	0.01	14	400	232	2.29	<2
1125020001		27	1.81	<10	<1	0.16	10	0.77	586	<1	0.04	10	420	28	1.08	<2
1125020200		16	1.70	<10	<1	0.10	10	0.66	344	1	0.05	8	350	7	0.93	<2
1125009288		48	2.59	<10	<1	0.20	<10	0.99	2220	1	0.01	15	420	403	2.35	2
1125023187		117	11.65	10	1	0.53	<10	1.57	1650	1	0.25	71	770	7	3.34	<2
1125020157		15	1.76	<10	<1	0.18	10	0.69	486	1	0.07	10	340	15	0.93	<2
1125020181		9	1.51	<10	1	0.15	10	0.71	355	1	0.06	9	340	6	0.63	<2
V829096		57	3.09	10	<1	0.26	10	0.53	297	11	0.10	15	710	8	0.07	<2
1125012102		63	2.26	<10	<1	0.54	10	1.03	1190	1	<0.01	9	530	121	1.33	<2
1125024041		34	2.10	<10	<1	0.24	10	0.36	1080	1	<0.01	10	400	24	2.00	2
1125024156		39	3.11	<10	1	0.21	20	0.54	447	<1	<0.01	7	370	59	2.31	2
1125024035		113	3.03	<10	<1	0.23	10	0.86	461	1	<0.01	12	430	20	2.08	<2
1125024144		82	2.80	<10	<1	0.23	10	0.60	411	1	<0.01	6	390	69	2.11	<2
1125024021		130	3.19	<10	1	0.23	10	0.32	833	1	0.01	10	390	19	3.24	<2
1125024073		33	2.73	<10	1	0.27	10	1.22	690	1	0.01	10	420	20	1.58	<2
1125024115		49	3.23	<10	<1	0.27	10	0.59	411	1	<0.01	14	430	23	2.78	<2
1125015416		64	1.98	<10	<1	0.21	10	0.69	1035	<1	0.05	10	420	142	1.85	<2
1125015046		79	2.44	<10	1	0.17	10	0.77	1315	1	0.01	12	420	64	2.22	<2
1125024059		45	2.08	<10	<1	0.20	10	0.25	1050	1	0.01	9	390	17	2.12	<2
1125024158		72	2.45	<10	1	0.24	10	0.57	645	1	<0.01	8	390	60	2.17	<2
1125011137		13	1.75	<10	<1	0.13	10	0.62	405	1	0.05	10	380	16	1.33	<2
1125024150		25	2.06	<10	1	0.22	10	0.83	478	1	<0.01	12	410	17	1.30	2
1125024001		91	4.04	<10	<1	0.27	10	0.56	456	1	<0.01	22	530	20	3.71	3
V829097		257	1.97	<10	<1	0.23	10	0.37	226	14	0.11	11	380	19	0.06	<2
1125012174		18	2.10	<10	<1	0.18	10	0.68	548	1	0.03	9	490	19	1.15	<2
1125015154		40	2.33	<10	1	0.26	10	0.83	478	1	0.01	12	420	16	1.57	<2
1125015176		38	2.40	<10	<1	0.27	10	0.71	579	1	0.01	12	450	45	1.68	<2
1125015401		154	3.81	<10	1	0.30	10	0.82	943	1	0.01	12	440	58	3.55	<2
1125012156		21	1.90	<10	<1	0.19	10	0.62	825	<1	0.01	7	350	97	1.69	<2
1125012186		32	1.91	<10	<1	0.29	10	0.75	1565	1	<0.01	8	440	183	1.45	2
1125012201		14	1.64	<10	1	0.20	10	0.82	1235	<1	0.01	7	390	64	1.33	<2
1125015148		25	2.74	<10	1	0.21	10	0.57	363	1	0.01	12	410	33	2.21	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1232002157		1	40	<20	0.03	<10	<10	21	<10	73	0.10	1.92	15	8.1	-45	60.0
1125028504		2	45	<20	0.01	<10	<10	19	<10	2610	0.41	2.26	40	8.3	-31	70.6
1124001210		1	18	<20	<0.01	<10	<10	4	<10	602	0.65	1.70	54	8.6	1	53.1
V829095		2	20	<20	0.39	<10	<10	58	<10	59	0.03					
1125023107		10	32	<20	0.13	<10	<10	172	<10	209	0.35	2.08	35	8.3	-30	65.0
1125009223		1	24	<20	<0.01	<10	<10	7	<10	853	0.32	1.44	32	8.5	-13	45.0
1125009270		1	17	<20	<0.01	<10	<10	7	<10	2760	0.16	3.04	19	8.0	-76	95.0
1125009331		1	19	<20	<0.01	<10	<10	3	<10	488	1.13	1.80	86	8.6	30	56.3
1125009366		<1	25	<20	<0.01	<10	<10	3	<10	864	1.24	2.35	101	8.7	28	73.4
1125020001		1	35	<20	<0.01	<10	<10	7	<10	185	0.80	1.10	62	8.8	28	34.4
1125020200		1	38	<20	<0.01	<10	<10	6	<10	65	0.65	0.94	50	8.8	21	29.4
1125009288		1	21	<20	<0.01	<10	<10	3	<10	906	1.29	2.32	103	8.6	31	72.5
1125023187		10	104	<20	0.14	<10	<10	273	<10	347	1.02	3.59	72	8.3	-40	112.2
1125020157		1	40	<20	<0.01	<10	<10	6	<10	103	0.57	0.95	52	8.9	22	29.7
1125020181		1	48	<20	<0.01	<10	<10	7	<10	151	0.60	0.66	55	9.3	34	20.6
V829096		3	16	<20	0.37	<10	<10	77	<10	50	0.05					
1125012102		1	112	<20	0.03	<10	<10	11	<10	2280	0.59	1.38	51	8.8	8	43.1
1125024041		<1	21	<20	<0.01	<10	<10	3	<10	981	0.97	2.10	74	8.6	8	65.6
1125024156		<1	10	<20	<0.01	<10	<10	5	<10	1285	0.29	2.49	18	8.2	-60	77.8
1125024035		1	10	<20	0.01	<10	<10	6	<10	2230	0.10	2.12	15	8.2	-51	66.3
1125024144		<1	11	<20	<0.01	<10	<10	4	<10	1415	0.28	2.10	23	8.3	-43	65.6
1125024021		1	20	<20	<0.01	<10	<10	4	<10	2230	0.64	3.49	52	8.3	-57	109.1
1125024073		1	26	<20	0.03	<10	<10	10	<10	2550	0.26	1.62	31	8.7	-20	50.6
1125024115		1	14	<20	0.01	<10	<10	6	<10	730	0.21	2.92	24	8.3	-67	91.3
1125015416		1	26	<20	<0.01	<10	<10	4	<10	621	0.82	1.88	69	8.8	10	58.8
1125015046		<1	30	<20	<0.01	<10	<10	3	<10	2820	1.14	2.32	88	8.4	16	72.5
1125024059		<1	21	<20	<0.01	<10	<10	2	<10	1295	0.78	2.25	64	8.3	-6	70.3
1125024158		<1	19	<20	0.01	<10	<10	4	<10	3570	0.53	2.27	42	8.5	-29	70.9
1125011137		1	55	<20	<0.01	<10	<10	7	<10	101	0.71	1.33	63	8.9	21	41.6
1125024150		1	15	<20	<0.01	<10	<10	6	<10	779	0.27	1.22	27	8.5	-11	38.1
1125024001		2	34	<20	0.02	<10	<10	14	<10	998	0.42	3.92	42	8.4	-81	122.5
V829097		1	18	<20	0.28	<10	<10	42	<10	53	0.02					
1125012174		1	29	<20	0.01	<10	<10	9	<10	66	0.46	1.14	44	9.0	8	35.6
1125015154		1	10	<20	0.01	<10	<10	6	<10	908	0.12	1.60	21	8.4	-29	50.0
1125015176		1	14	<20	0.02	<10	<10	6	<10	757	0.23	1.70	25	8.5	-28	53.1
1125015401		1	20	<20	<0.01	<10	<10	6	<10	4020	0.65	3.68	45	8.1	-70	115.0
1125012156		<1	25	<20	<0.01	<10	<10	4	<10	141	0.54	1.63	45	8.6	-6	50.9
1125012186		<1	96	<20	<0.01	<10	<10	3	<10	683	1.04	1.42	76	8.9	32	44.4
1125012201		<1	29	<20	<0.01	<10	<10	3	<10	136	0.88	1.26	67	8.4	28	39.4
1125015148		<1	7	<20	0.01	<10	<10	4	<10	214	0.08	2.24	12	8.5	-58	70.0

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1232002157		0.25	2
1125028504		0.57	2
1124001210		1.02	2
V829095			
1125023107		0.54	2
1125009223		0.71	2
1125009270		0.20	2
1125009331		1.53	2
1125009366		1.38	3
1125020001		1.80	2
1125020200		1.70	2
1125009288		1.42	3
1125023187		0.64	2
1125020157		1.75	2
1125020181		2.67	2
V829096			
1125012102		1.18	2
1125024041		1.13	2
1125024156		0.23	2
1125024035		0.23	2
1125024144		0.35	2
1125024021		0.48	2
1125024073		0.61	2
1125024115		0.26	2
1125015416		1.17	2
1125015046		1.21	2
1125024059		0.91	2
1125024158		0.59	2
1125011137		1.52	2
1125024150		0.71	2
1125024001		0.34	2
V829097			
1125012174		1.24	2
1125015154		0.42	2
1125015176		0.47	2
1125015401		0.39	2
1125012156		0.88	2
1125012186		1.71	2
1125012201		1.70	2
1125015148		0.17	1

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1125012152		0.52		0.028		0.4	1.82	27	<10	30	<0.5	<2	1.11	<0.5	7	232
1125012113		0.49		0.075		0.6	1.68	18	<10	50	<0.5	<2	1.54	0.8	8	274
1125012115		0.53		0.042		0.4	1.71	10	<10	50	<0.5	<2	1.32	<0.5	7	181
1125015197		0.59		0.464		1.9	0.46	117	<10	20	<0.5	2	0.49	4.3	7	153
1125012014		0.43		0.134		1.5	1.44	54	<10	30	<0.5	<2	1.35	0.9	7	111
1125012041		0.53		0.531		2.8	1.37	69	<10	30	<0.5	2	1.01	24.2	6	329
1125012095		0.54		0.117		0.8	1.79	36	<10	30	<0.5	<2	1.61	0.5	7	244
1125012065		0.48		0.210		0.5	1.48	41	<10	20	<0.5	<2	1.26	0.7	7	393
1125015084		0.53		0.810		2.0	1.45	59	<10	30	<0.5	<2	1.01	6.6	8	203
V829098		0.06		0.198		1.5	0.79	2	<10	40	<0.5	<2	0.42	<0.5	9	11
1125010179		0.48		1.270		2.1	0.60	36	<10	30	<0.5	<2	2.30	1.8	13	272
1125009357		0.48		>10.0	10.05	4.2	0.73	142	<10	30	<0.5	<2	1.22	10.0	8	136
1125010146		0.45		0.301		3.0	0.82	42	<10	20	<0.5	<2	2.17	0.9	8	168
1125016037		0.48		0.596		1.8	0.93	88	<10	30	<0.5	<2	1.83	3.0	8	81
1125010101		0.42		0.135		0.4	0.97	26	<10	30	<0.5	<2	2.40	<0.5	8	86
1125010120		0.49		0.495		0.7	0.90	39	<10	30	<0.5	<2	2.91	1.2	8	143
1125010159		0.46		0.884		1.8	0.65	35	<10	30	<0.5	<2	2.47	3.9	8	177
1125016080		0.50		1.620		0.8	1.21	49	<10	20	<0.5	<2	2.10	0.8	7	122
1125009342		0.43		0.863		3.2	0.58	67	<10	40	<0.5	<2	2.48	3.7	9	242
1125023019		0.53		0.067		0.9	3.39	23	<10	60	<0.5	3	4.34	2.3	36	183
1125023119		Not Recvd														
1125009379		0.47		1.655		4.1	0.57	45	<10	40	<0.5	<2	2.58	2.8	11	221
1125023208		0.63		0.157		1.2	1.06	7	<10	50	<0.5	<2	1.91	0.8	10	246
1125016031		0.54		2.96		1.1	1.18	78	<10	30	<0.5	<2	1.71	2.5	6	179
1125016015		0.46		1.085		2.7	0.61	86	<10	20	<0.5	<2	0.99	4.8	7	271
1125016030		0.54		2.14		1.4	1.39	73	<10	30	<0.5	<2	1.75	5.4	6	123
1125016107		0.49		0.070		0.4	1.72	32	<10	30	<0.5	<2	0.88	<0.5	6	367
V829099		0.06		1.800		6.7	0.82	411	<10	50	<0.5	3	1.24	1.0	7	13
1125028141		Not Recvd														
1125029004		0.53		0.229		1.7	1.08	83	<10	30	<0.5	<2	2.61	0.6	8	184
1125014012		0.38		0.046		0.6	2.31	15	<10	80	<0.5	2	2.70	0.7	19	320
1124001171		0.48		0.279		0.6	0.84	40	<10	30	<0.5	<2	2.58	1.0	8	249
1124001155		0.44		0.483		0.8	0.79	38	<10	30	<0.5	<2	2.79	1.5	8	284
1232002185		0.55		0.330		0.8	1.33	10	<10	30	<0.5	3	0.64	<0.5	10	300
1125029101		0.46		0.149		1.3	0.56	86	<10	30	<0.5	<2	2.17	0.5	8	78
1125028020		0.43		1.720		2.1	0.54	295	<10	10	<0.5	<2	0.46	17.8	6	204
1125028108		0.50		0.643		0.8	1.08	135	<10	30	<0.5	<2	0.30	5.6	8	244
1124001195		0.57		0.366		1.3	0.48	39	<10	30	<0.5	<2	2.06	2.2	9	303
1125028077		0.53		0.560		2.0	0.73	311	<10	30	<0.5	<2	0.56	31.1	7	310
1125028106		0.47	91.7	0.717		1.2	1.56	58	<10	40	<0.5	<2	1.27	4.1	10	243

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CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1125012152		21	1.55	10	1	0.18	10	0.71	370	1	0.13	9	390	21	0.80	<2
1125012113		27	2.00	<10	<1	0.23	10	0.65	645	<1	0.11	9	490	22	0.60	<2
1125012115		28	1.80	<10	1	0.19	20	0.61	498	<1	0.11	9	540	11	0.44	<2
1125015197		131	2.84	<10	1	0.20	10	0.14	222	1	0.01	9	380	18	3.01	<2
1125012014		17	1.82	<10	1	0.27	10	1.08	685	1	0.02	7	380	178	1.45	<2
1125012041		102	2.72	<10	1	0.47	10	1.03	993	<1	0.01	8	380	79	1.76	<2
1125012095		17	1.84	10	<1	0.25	10	1.31	919	1	0.02	8	400	76	1.12	<2
1125012065		18	1.82	<10	<1	0.22	10	0.77	517	1	0.04	9	400	64	1.17	<2
1125015084		49	2.56	<10	1	0.19	10	0.89	688	<1	0.02	10	410	71	1.84	<2
V829098		53	2.44	<10	1	0.20	10	0.35	241	3	0.13	11	510	24	0.04	<2
1125010179		55	2.04	<10	<1	0.20	10	0.84	956	1	0.02	14	410	184	1.99	2
1125009357		50	2.28	<10	1	0.22	10	0.43	801	1	0.01	10	420	57	2.24	<2
1125010146		37	1.90	<10	1	0.18	10	0.71	999	<1	0.02	11	420	118	1.76	<2
1125016037		34	1.68	<10	1	0.24	10	0.55	978	1	0.01	8	390	107	1.53	<2
1125010101		12	2.04	<10	1	0.23	10	0.67	828	1	0.03	11	430	30	2.20	<2
1125010120		31	1.76	<10	<1	0.22	10	0.60	1220	<1	0.02	10	410	88	1.45	<2
1125010159		42	2.06	<10	1	0.20	10	0.95	1460	1	0.01	11	410	294	1.80	<2
1125016080		30	1.59	<10	<1	0.24	10	0.99	1115	1	0.01	7	370	126	1.02	<2
1125009342		52	2.33	<10	1	0.28	10	0.73	1775	1	0.01	12	420	454	2.27	4
1125023019		75	8.99	10	1	0.20	<10	1.76	1515	1	0.09	52	800	7	2.00	3
1125023119																
1125009379		84	1.95	<10	1	0.28	10	0.73	1710	1	0.01	14	390	555	1.81	<2
1125023208		23	2.36	<10	1	0.22	10	0.71	703	1	0.04	15	430	5	1.17	<2
1125016031		34	1.91	<10	1	0.27	10	0.95	870	1	0.01	9	430	58	1.55	2
1125016015		76	1.97	<10	1	0.19	10	0.38	418	1	0.01	9	370	221	1.97	2
1125016030		37	1.67	<10	1	0.23	10	1.09	870	<1	0.02	7	390	60	1.40	<2
1125016107		9	1.58	<10	<1	0.19	10	0.59	354	1	0.09	8	390	23	0.95	<2
V829099		293	4.44	<10	1	0.26	10	0.30	469	3	0.01	9	170	19	3.42	<2
1125028141																
1125029004		28	2.34	<10	1	0.23	10	0.83	1610	1	0.01	9	390	72	1.89	<2
1125014012		42	4.96	10	1	0.35	10	0.92	1160	1	0.14	28	630	5	1.44	<2
1124001171		28	1.97	<10	1	0.20	10	0.85	1380	1	0.01	11	410	73	1.57	<2
1124001155		20	2.21	<10	1	0.26	10	0.80	1325	1	0.02	12	440	100	2.02	<2
1232002185		202	2.95	<10	<1	0.12	10	0.78	320	2	0.07	14	540	3	1.80	<2
1125029101		23	2.79	<10	1	0.18	10	0.58	1170	1	0.01	9	390	50	2.75	<2
1125028020		139	2.99	<10	1	0.15	10	0.32	323	1	<0.01	8	380	85	2.97	3
1125028108		48	2.41	<10	1	0.24	10	0.59	368	1	0.01	14	350	16	1.91	2
1124001195		23	2.23	<10	1	0.19	10	0.82	1690	<1	0.01	13	440	394	2.24	<2
1125028077		162	3.92	<10	2	0.24	10	0.32	434	<1	<0.01	9	370	67	3.92	2
1125028106		55	2.54	<10	1	0.26	10	1.08	701	1	0.01	17	500	11	1.43	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1125012152		1	33	<20	0.01	<10	<10	6	<10	64	0.21	0.78	25	8.9	1	24.4
1125012113		1	72	<20	0.04	<10	<10	13	<10	264	0.41	0.57	36	9.0	18	17.8
1125012115		1	92	<20	0.05	<10	<10	13	<10	212	0.22	0.38	28	9.3	16	11.9
1125015197		<1	7	<20	<0.01	<10	<10	2	<10	980	0.15	3.09	14	8.3	-83	96.6
1125012014		1	22	<20	0.02	<10	<10	6	<10	286	0.36	1.43	36	8.9	-9	44.7
1125012041		1	29	<20	0.02	<10	<10	8	<10	5420	0.44	1.74	38	8.7	-16	54.4
1125012095		1	34	<20	0.03	<10	<10	9	<10	160	0.38	1.08	41	8.9	7	33.8
1125012065		1	26	<20	0.02	<10	<10	7	<10	202	0.34	1.15	28	8.6	-8	35.9
1125015084		<1	17	<20	0.01	<10	<10	5	<10	1480	0.25	1.86	29	8.3	-29	58.1
V829098		2	18	<20	0.37	<10	<10	56	<10	58	0.02					
1125010179		1	24	<20	<0.01	<10	<10	3	30	436	1.09	1.96	85	8.6	24	61.3
1125009357		<1	15	<20	<0.01	<10	<10	4	<10	2220	0.41	2.26	36	8.7	-35	70.6
1125010146		1	22	<20	<0.01	<10	<10	4	<10	220	0.84	1.62	69	8.6	18	50.6
1125016037		<1	28	<20	<0.01	<10	<10	4	<10	880	0.65	1.47	50	8.7	4	45.9
1125010101		1	24	<20	<0.01	<10	<10	4	<10	136	0.78	2.15	67	8.8	0	67.2
1125010120		1	27	<20	<0.01	<10	<10	4	<10	272	1.02	1.39	82	8.9	39	43.4
1125010159		1	25	<20	<0.01	<10	<10	4	<10	1085	1.22	1.77	94	8.5	39	55.3
1125016080		1	34	<20	0.01	<10	<10	6	<10	243	0.68	0.95	57	8.9	27	29.7
1125009342		<1	25	<20	<0.01	<10	<10	4	<10	1000	1.17	2.27	87	8.7	16	70.9
1125023019		11	78	<20	0.11	<10	<10	173	<10	710	1.50	2.13	171	8.3	104	66.6
1125023119																
1125009379		1	22	<20	<0.01	<10	<10	4	<10	763	1.21	1.80	88	9.0	32	56.3
1125023208		1	37	<20	0.03	<10	<10	17	<10	230	0.70	1.09	52	8.9	18	34.1
1125016031		1	27	<20	<0.01	<10	<10	6	<10	686	0.55	1.50	47	8.7	0	46.9
1125016015		<1	16	<20	<0.01	<10	<10	3	<10	1220	0.32	1.98	28	8.4	-34	61.9
1125016030		1	33	<20	0.01	<10	<10	6	<10	1455	0.54	1.41	47	8.8	3	44.1
1125016107		1	41	<20	<0.01	<10	<10	5	<10	59	0.16	0.94	18	8.6	-11	29.4
V829099		2	19	<20	0.01	<10	<10	7	<10	242	0.37					
1125028141																
1125029004		1	28	<20	<0.01	<10	<10	5	<10	184	0.99	1.96	76	8.8	15	61.3
1125014012		5	91	<20	0.07	<10	<10	87	<10	237	0.83	1.42	66	8.8	22	44.4
1124001171		1	24	<20	<0.01	<10	<10	4	<10	259	1.13	1.59	83	8.8	33	49.7
1124001155		1	26	<20	<0.01	<10	<10	4	<10	358	1.22	2.02	101	8.8	38	63.1
1232002185		1	40	<20	0.03	<10	<10	21	<10	71	0.12	1.79	13	8.0	-43	55.9
1125029101		1	32	<20	<0.01	<10	<10	4	<10	155	1.02	2.87	73	8.2	-17	89.7
1125028020		<1	7	<20	<0.01	<10	<10	3	<10	3920	0.42	3.06	13	7.9	-83	95.6
1125028108		<1	12	<20	<0.01	<10	<10	5	<10	1375	0.09	1.80	11	8.6	-45	56.3
1124001195		<1	18	<20	<0.01	<10	<10	3	<10	560	0.97	2.20	78	8.6	9	68.8
1125028077		<1	8	<20	<0.01	<10	<10	4	<10	7380	0.26	3.87	17	7.9	-104	120.9
1125028106		2	28	<20	0.01	<10	<10	15	<10	1070	0.37	1.40	37	8.6	-7	43.8

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1125012152		1.03	2
1125012113		2.02	2
1125012115		2.36	2
1125015197		0.14	1
1125012014		0.81	2
1125012041		0.70	2
1125012095		1.21	2
1125012065		0.78	2
1125015084		0.50	2
V829098			
1125010179		1.39	2
1125009357		0.51	2
1125010146		1.36	2
1125016037		1.09	2
1125010101		1.00	2
1125010120		1.89	2
1125010159		1.70	3
1125016080		1.92	2
1125009342		1.23	2
1125023019		2.57	3
1125023119			
1125009379		1.56	2
1125023208		1.53	2
1125016031		1.00	2
1125016015		0.45	2
1125016030		1.07	2
1125016107		0.61	2
V829099			
1125028141			
1125029004		1.24	2
1125014012		1.49	2
1124001171		1.67	2
1124001155		1.60	3
1232002185		0.23	1
1125029101		0.81	2
1125028020		0.14	1
1125028108		0.20	1
1124001195		1.13	2
1125028077		0.14	2
1125028106		0.85	2

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CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	WEI-21	LOG-QC	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Pass75um	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
	Units	kg	%	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.02	0.01	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
1125028126		0.48		1.190		1.9	0.54	196	<10	20	<0.5	<2	1.14	13.8	8	346
1124001177		0.49		0.104		0.5	0.82	39	<10	20	<0.5	<2	2.11	<0.5	9	103
1125014014		0.63		0.093		1.6	2.88	36	<10	70	<0.5	3	2.90	1.6	39	174
V829100		0.06		0.939		2.4	1.12	<2	<10	80	<0.5	2	0.69	<0.5	13	8
1125024056		0.56		0.333		1.0	0.83	147	<10	40	<0.5	<2	0.56	0.6	8	256
1125018256		0.50		0.215		1.5	0.54	40	10	20	<0.5	<2	2.72	1.7	9	46
1125024201		0.53		1.335		9.5	1.19	117	<10	30	<0.5	2	0.95	13.9	7	255

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1125028126		68	2.87	<10	<1	0.21	10	0.38	759	1	<0.01	10	400	145	2.85	2
1124001177		20	2.02	<10	1	0.11	10	0.62	1145	1	0.01	12	420	49	2.07	<2
1125014014		124	10.45	10	1	0.36	10	1.23	1360	1	0.12	55	640	6	5.03	<2
V829100		58	3.19	10	<1	0.27	10	0.54	302	11	0.10	16	740	9	0.08	<2
1125024056		12	1.78	<10	1	0.29	10	0.36	284	1	0.01	12	440	18	1.47	2
1125018256		31	2.04	<10	1	0.16	<10	0.98	1585	1	0.01	11	450	202	2.04	2
1125024201		117	2.19	<10	1	0.38	10	0.80	605	1	0.01	9	380	750	1.86	7

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EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
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Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1125028126		<1	12	<20	<0.01	<10	<10	3	<10	3240	0.46	2.91	37	8.2	-54	90.9
1124001177		<1	19	<20	<0.01	<10	<10	3	<10	103	0.68	2.07	61	8.7	-4	64.7
1125014014		9	90	<20	0.11	<10	<10	182	<10	468	0.88	5.34	123	8.3	-44	166.9
V829100		3	17	<20	0.37	<10	<10	79	<10	51	0.05					
1125024056		1	11	<20	<0.01	<10	<10	5	<10	124	0.15	1.42	18	8.6	-26	44.4
1125018256		<1	26	<20	<0.01	<10	<10	2	<10	407	1.26	2.06	100	8.6	36	64.4
1125024201		1	18	<20	0.01	<10	<10	6	<10	3190	0.25	1.73	30	8.5	-24	54.1

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CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1125028126		0.41	2
1124001177		0.94	2
1125014014		0.74	3
V829100			
1125024056		0.41	2
1125018256		1.55	3
1125024201		0.55	2

***** See Appendix Page for comments regarding this certificate *****

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

CERTIFICATE OF ANALYSIS TB18214709

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

CERTIFICATE TB18235181

Project: Mine Site Lab Pulps Aug

P.O. No.: 4500009909

This report is for 148 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 20-SEP-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1124002054		0.74	93.2	0.179		0.5	1.21	63	<10	30	<0.5	<2	0.87	0.5	10	84
1125014116		0.48		0.035		0.5	2.84	11	<10	60	<0.5	<2	2.09	<0.5	19	232
1125014101		0.49		0.048		0.7	3.24	18	<10	120	<0.5	<2	2.65	0.6	32	274
1124002069		0.50		0.573		2.7	0.79	90	<10	20	<0.5	<2	2.05	2.8	11	86
1125029133		0.50		0.373		1.9	0.76	78	<10	20	<0.5	<2	2.05	0.5	8	112
1124002043		0.42		0.043		0.6	1.17	31	<10	30	<0.5	<2	2.17	<0.5	9	183
1125014122		0.45		0.253		1.0	0.89	34	<10	40	<0.5	<2	1.21	1.5	7	216
1124001123		0.46		0.786		1.5	0.41	42	<10	30	<0.5	<2	2.55	3.1	8	103
1124001126		0.45		0.607		1.6	0.64	40	<10	40	<0.5	<2	2.67	4.9	7	152
1125029121		0.52		0.931		1.5	0.39	84	<10	40	<0.5	<2	0.80	13.1	5	118
1125029001		0.44		0.749		1.6	1.05	50	<10	30	<0.5	<2	1.77	1.1	7	166
1124002090		0.53		0.061		1.0	1.09	33	<10	30	<0.5	<2	1.41	<0.5	7	101
1125014127		0.52		0.080		1.1	3.54	18	<10	90	<0.5	<2	3.31	1.4	33	91
1124002006		0.53		0.012		0.3	0.72	13	<10	30	<0.5	<2	1.70	<0.5	7	80
1125014158		0.45		0.008		<0.2	1.28	2	<10	60	<0.5	<2	2.32	<0.5	12	113
1125014159		0.54		0.007		<0.2	1.22	2	<10	80	<0.5	<2	2.48	<0.5	11	106
1124002028		0.56		0.043		0.4	1.09	39	<10	30	<0.5	<2	1.56	<0.5	7	95
1124001016		0.40		0.285		3.1	0.44	24	<10	30	<0.5	2	2.50	2.5	7	95
V835501		0.06		1.955		3.2	0.90	<2	<10	70	<0.5	<2	0.42	<0.5	9	13
1124016092		0.42		0.227		0.9	1.65	64	10	30	<0.5	<2	1.66	1.5	8	111
1124005087		Not Recvd														
1124005105		0.46		0.104		1.0	0.52	34	<10	20	<0.5	<2	1.97	<0.5	7	48
1124005122		0.48		1.825		3.9	0.73	24	<10	20	<0.5	<2	2.12	2.6	7	70
1124005123		0.45		0.308		2.1	0.76	24	<10	20	<0.5	2	2.07	1.5	8	77
1124005140		0.46		0.172		2.1	0.56	42	<10	20	<0.5	<2	1.99	0.7	8	93
1124005160		0.49		0.711		3.1	0.56	39	<10	20	<0.5	<2	2.18	1.9	8	57
1124016016		0.44		0.070		0.5	1.62	36	10	30	<0.5	<2	1.65	<0.5	7	131
1124016032		0.51		1.025		3.1	0.30	78	<10	20	<0.5	<2	2.85	2.3	11	83
1124016065		0.52		0.077		0.6	1.09	28	<10	30	<0.5	<2	2.05	0.5	6	112
1124016010		0.51		1.205		0.8	0.90	47	<10	20	<0.5	<2	2.96	0.6	8	52
1232002846		0.54		0.053		0.5	0.83	8	<10	30	<0.5	2	0.62	0.7	10	91
12320021153		0.47		0.096		1.1	0.84	17	<10	20	<0.5	2	0.68	1.7	9	94
1124016072		0.50		1.545		3.3	0.35	127	<10	20	<0.5	<2	1.49	29.2	7	110
1124016087		0.48		0.752		1.0	0.92	159	<10	20	<0.5	<2	1.99	1.0	9	93
1124016114		0.41		0.153		0.5	1.66	58	10	30	<0.5	<2	1.75	<0.5	10	74
V835502		0.06		0.767		3.2	0.79	3	<10	60	<0.5	2	1.62	<0.5	8	8
1124014027		0.49		0.206		0.8	2.11	26	<10	30	<0.5	<2	1.56	<0.5	9	109
1124014029		0.57		0.102		0.7	1.90	7	<10	50	<0.5	<2	1.72	<0.5	12	106
12320021138		0.52		0.058		0.4	1.05	6	<10	40	<0.5	3	0.63	<0.5	9	104
1124010068		0.49		0.011		0.2	1.05	5	<10	50	<0.5	<2	1.34	<0.5	8	110

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1124002054		41	1.98	<10	<1	0.16	10	0.64	499	1	0.02	13	530	19	1.20	<2
1125014116		58	4.10	10	<1	0.28	20	1.10	679	1	0.17	27	750	14	0.65	<2
1125014101		60	6.40	10	<1	0.49	10	1.48	917	1	0.16	51	730	15	1.49	<2
1124002069		52	2.33	<10	<1	0.12	10	0.62	778	1	0.01	10	560	215	2.08	2
1125029133		27	1.94	<10	<1	0.15	10	0.61	1210	1	0.01	7	390	73	1.62	<2
1124002043		20	1.54	<10	<1	0.12	10	0.70	531	1	0.07	10	360	13	0.70	<2
1125014122		36	1.92	<10	<1	0.15	10	0.51	494	2	0.03	8	480	98	0.70	2
1124001123		53	1.93	<10	<1	0.16	<10	0.85	1545	1	0.02	10	390	157	1.80	<2
1124001126		73	1.99	<10	<1	0.22	10	0.84	1440	1	0.02	11	400	125	1.94	2
1125029121		104	1.70	<10	<1	0.19	10	0.44	1365	<1	0.01	7	260	126	1.60	<2
1125029001		47	1.93	<10	<1	0.25	10	0.61	959	1	0.02	9	380	529	1.54	2
1124002090		12	1.44	<10	<1	0.12	10	0.55	411	1	0.06	10	380	11	0.60	<2
1125014127		120	9.02	10	<1	0.44	10	1.47	1555	1	0.19	52	690	11	2.15	<2
1124002006		9	1.51	<10	<1	0.11	10	0.39	271	1	0.07	8	340	7	1.51	<2
1125014158		4	2.50	10	<1	0.20	20	0.99	562	<1	0.04	18	690	3	0.69	<2
1125014159		2	2.44	10	<1	0.28	20	0.98	614	1	0.04	19	680	<2	0.67	<2
1124002028		13	1.75	<10	<1	0.11	10	0.59	384	<1	0.09	8	320	8	1.32	<2
1124001016		33	2.06	<10	<1	0.16	10	0.79	1280	1	0.02	10	390	54	2.16	<2
V835501		258	1.98	<10	<1	0.24	10	0.37	225	15	0.12	12	370	18	0.07	<2
1124016092		48	2.02	<10	<1	0.14	10	0.94	549	1	0.07	9	430	27	1.36	<2
1124005087																
1124005105		26	1.67	<10	1	0.09	10	0.44	975	<1	0.02	6	410	13	1.80	<2
1124005122		43	1.73	<10	<1	0.14	10	0.46	1020	1	0.03	9	400	54	1.73	<2
1124005123		29	1.82	<10	<1	0.14	10	0.44	937	1	0.03	10	420	28	1.81	<2
1124005140		43	2.29	<10	<1	0.12	10	0.45	1210	1	0.02	11	450	42	2.49	<2
1124005160		56	1.79	<10	<1	0.12	10	0.42	1025	1	0.02	10	420	197	1.87	<2
1124016016		14	1.67	<10	<1	0.13	10	1.07	519	<1	0.05	8	370	31	1.05	<2
1124016032		72	1.74	<10	<1	0.15	<10	0.51	1530	1	0.01	15	400	311	1.76	3
1124016065		16	1.39	<10	<1	0.12	10	0.79	496	<1	0.03	7	330	20	0.80	<2
1124016010		31	1.97	<10	<1	0.12	20	0.76	884	1	0.02	7	520	23	1.48	<2
1232002846		54	2.44	<10	<1	0.11	10	0.48	205	1	0.06	12	490	4	2.36	<2
12320021153		83	2.55	<10	<1	0.08	20	0.54	334	1	0.06	10	530	5	2.73	2
1124016072		230	2.89	<10	1	0.14	<10	0.54	936	1	0.01	10	360	235	3.36	3
1124016087		33	2.12	<10	<1	0.14	20	0.55	695	<1	0.02	9	510	79	1.78	<2
1124016114		25	2.25	<10	<1	0.15	20	1.01	708	<1	0.04	9	570	25	1.12	<2
V835502		35	2.73	<10	<1	0.21	10	0.36	214	14	0.10	12	480	17	0.05	<2
1124014027		34	2.07	<10	<1	0.17	10	0.70	570	1	0.13	10	510	23	1.07	<2
1124014029		28	2.62	10	1	0.20	10	0.69	588	2	0.12	22	520	12	0.51	<2
12320021138		34	2.71	<10	<1	0.10	20	0.58	202	1	0.08	9	540	5	2.97	<2
1124010068		43	1.89	<10	<1	0.24	10	0.64	327	1	0.05	9	390	4	0.32	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124002054		1	17	<20	<0.01	<10	<10	6	<10	135	0.30	1.32	29	9.0	-12	41.3
1125014116		5	112	<20	0.10	<10	<10	74	<10	216	0.38	0.66	38	9.1	17	20.6
1125014101		7	69	<20	0.17	<10	<10	132	<10	276	0.60	1.36	54	8.8	12	42.5
1124002069		1	22	<20	<0.01	<10	<10	4	<10	676	0.73	2.12	56	8.8	-10	66.3
1125029133		<1	22	<20	<0.01	<10	<10	5	<10	154	0.77	1.58	58	8.8	9	49.4
1124002043		1	44	<20	<0.01	<10	<10	6	10	65	0.63	0.68	50	9.3	29	21.3
1125014122		1	34	<20	0.02	<10	<10	12	<10	469	0.46	0.71	37	9.3	15	22.2
1124001123		<1	19	<20	<0.01	<10	<10	2	<10	791	1.35	1.93	100	9.1	40	60.3
1124001126		<1	23	<20	<0.01	<10	<10	3	<10	1305	1.27	1.74	100	9.1	46	54.4
1125029121		<1	135	<20	<0.01	<10	<10	2	<10	3130	0.51	1.53	34	9.1	-14	47.8
1125029001		1	19	<20	<0.01	<10	<10	6	<10	470	0.61	1.55	48	9.1	0	48.4
1124002090		1	28	<20	<0.01	<10	<10	5	<10	63	0.39	0.61	35	9.3	16	19.1
1125014127		13	127	<20	0.11	<10	<10	216	<10	359	0.99	2.33	75	8.7	2	72.8
1124002006		<1	39	<20	<0.01	<10	<10	3	<10	64	0.49	1.46	43	9.3	-3	45.6
1125014158		2	58	<20	0.03	<10	<10	33	<10	68	0.71	0.66	61	9.5	40	20.6
1125014159		2	63	<20	0.04	<10	<10	33	<10	70	0.78	0.65	66	9.4	46	20.3
1124002028		<1	52	<20	<0.01	<10	<10	6	<10	83	0.42	1.29	38	9.1	-2	40.3
1124001016		<1	20	<20	<0.01	<10	<10	2	<10	626	1.18	2.10	94	9.2	28	65.6
V835501		1	19	<20	0.29	<10	<10	43	<10	52	0.02					
1124016092		1	38	<20	<0.01	<10	<10	6	<10	386	0.51	1.29	41	8.9	1	40.3
1124005087																
1124005105		<1	20	<20	<0.01	<10	<10	2	<10	72	0.70	1.84	55	9.2	-3	57.5
1124005122		<1	20	<20	<0.01	<10	<10	3	<10	682	0.68	1.74	57	9.1	3	54.4
1124005123		<1	22	<20	<0.01	<10	<10	3	<10	382	0.68	1.79	54	9.0	-2	55.9
1124005140		<1	20	<20	<0.01	<10	<10	2	<10	151	0.76	2.36	56	8.8	-18	73.8
1124005160		<1	17	<20	<0.01	<10	<10	2	<10	456	0.80	1.74	58	9.0	4	54.4
1124016016		<1	34	<20	<0.01	<10	<10	5	<10	110	0.62	1.00	43	9.0	12	31.3
1124016032		<1	19	<20	<0.01	<10	<10	2	<10	621	1.18	1.71	93	9.1	40	53.4
1124016065		<1	21	<20	<0.01	<10	<10	4	<10	123	0.71	0.74	55	9.2	32	23.1
1124016010		1	26	<20	<0.01	<10	<10	4	<10	159	1.05	1.49	82	9.1	35	46.6
1232002846		1	24	<20	0.01	<10	<10	10	<10	174	0.13	2.19	15	8.8	-53	68.4
12320021153		<1	22	<20	<0.01	<10	<10	5	<10	389	0.18	2.89	17	8.5	-73	90.3
1124016072		<1	16	<20	<0.01	<10	<10	2	<10	7140	0.87	3.22	57	8.6	-44	100.6
1124016087		1	22	<20	<0.01	<10	<10	5	<10	251	0.67	1.71	52	8.6	-1	53.4
1124016114		1	29	<20	<0.01	<10	<10	10	<10	121	0.53	1.04	44	9.1	12	32.5
V835502		2	36	<20	0.25	<10	<10	43	<10	40	0.43					
1124014027		1	71	<20	0.02	<10	<10	11	<10	155	0.39	1.01	30	9.0	-2	31.6
1124014029		2	66	<20	0.05	<10	<10	33	<10	127	0.45	0.47	36	9.2	21	14.7
12320021138		1	33	<20	<0.01	<10	<10	6	<10	44	0.10	3.05	14	8.8	-81	95.3
1124010068		2	27	<20	0.04	<10	<10	17	<10	63	0.43	0.30	39	9.3	30	9.4

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124002054		0.70	2
1125014116		1.84	2
1125014101		1.27	2
1124002069		0.85	2
1125029133		1.17	2
1124002043		2.35	2
1125014122		1.67	2
1124001123		1.66	3
1124001126		1.84	3
1125029121		0.71	2
1125029001		0.99	2
1124002090		1.84	2
1125014127		1.03	2
1124002006		0.94	2
1125014158		2.96	2
1125014159		3.25	2
1124002028		0.94	2
1124001016		1.43	3
V835501			
1124016092		1.02	2
1124005087			
1124005105		0.96	2
1124005122		1.05	2
1124005123		0.97	2
1124005140		0.76	2
1124005160		1.07	2
1124016016		1.38	2
1124016032		1.74	3
1124016065		2.38	2
1124016010		1.76	2
1232002846		0.22	1
12320021153		0.19	1
1124016072		0.57	2
1124016087		0.97	2
1124016114		1.35	2
V835502			
1124014027		0.95	2
1124014029		2.45	2
12320021138		0.15	1
1124010068		4.16	2

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EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
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Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1232002520		0.49		0.173		0.4	1.17	7	<10	40	<0.5	<2	0.94	0.5	12	128
1124016127		0.41		1.095		2.1	0.29	42	<10	20	<0.5	<2	2.62	4.8	9	170
1232002518		0.43		0.219		0.4	0.75	11	<10	40	<0.5	<2	0.73	<0.5	12	142
1124010027		0.47		0.045		0.3	1.11	6	<10	50	<0.5	<2	1.89	<0.5	7	118
1124010058		0.47		0.227		1.0	1.53	53	10	30	<0.5	<2	0.99	<0.5	9	73
1124014066		0.50		0.195		0.7	2.58	42	<10	60	<0.5	<2	2.06	0.5	9	141
1124014090		0.53		0.136		1.4	3.04	19	<10	60	<0.5	2	3.22	5.6	38	89
1124010005		0.50		0.026		0.3	1.10	8	<10	40	<0.5	<2	2.18	<0.5	8	89
1124010008		0.50		0.067		0.6	1.42	33	<10	40	<0.5	<2	1.54	<0.5	8	180
1124010082		0.48	85.7	0.171		25.6	2.43	17	<10	30	<0.5	<2	1.36	<0.5	9	93
1124014020		0.46		0.044		0.4	1.13	7	<10	50	<0.5	<2	1.84	<0.5	8	112
1124014067		0.57		0.129		1.0	2.48	17	<10	360	0.9	2	3.09	<0.5	15	143
V835503		0.06		0.964		2.5	1.14	<2	<10	90	<0.5	<2	0.74	<0.5	14	9
1124014032		0.48		0.009		<0.2	1.17	4	<10	70	<0.5	<2	2.41	<0.5	12	137
1124017001		0.49		0.490		1.8	2.00	36	<10	30	<0.5	<2	1.39	0.6	11	100
1232002971		0.57		0.544		1.2	1.49	15	<10	30	<0.5	3	0.86	<0.5	10	119
1232002007		0.53		2.17		1.5	1.19	17	<10	30	<0.5	5	0.55	<0.5	11	175
1124020037		0.47		>10.0	9.62	2.0	0.99	65	<10	20	<0.5	2	1.72	8.3	8	133
1232002768		0.54		0.072		0.7	0.94	7	<10	20	<0.5	3	0.69	0.7	9	138
1124017045		0.55		0.226		0.6	3.16	36	<10	40	<0.5	<2	1.86	<0.5	10	84
1124017070		0.49		0.743		0.8	1.65	35	10	40	<0.5	<2	2.23	3.9	10	75
1124020002		0.47		0.478		0.5	0.69	57	<10	20	<0.5	<2	2.44	1.6	9	97
1232002720		0.46		0.029		0.5	0.89	4	<10	20	<0.5	3	0.28	0.5	8	109
1124014008		0.51		0.046		0.5	1.92	14	<10	60	<0.5	<2	1.40	<0.5	8	100
1124014003		0.52		0.065		0.3	1.35	7	<10	70	<0.5	<2	1.71	<0.5	9	190
1124014001		0.52		0.064		0.5	1.08	11	<10	60	<0.5	<2	2.38	<0.5	10	82
1124017076		0.51		1.830		4.7	0.56	84	<10	20	<0.5	<2	1.92	14.4	8	121
1124014014		0.51		0.012		0.2	1.61	5	<10	130	<0.5	<2	2.53	<0.5	13	88
1124017071		0.47		0.414		0.5	2.22	25	10	30	<0.5	<2	1.30	0.8	10	93
1124017100		0.52		1.665		3.4	0.30	106	<10	20	<0.5	<2	2.25	6.9	7	117
1124014016		0.54		0.044		0.3	1.28	6	<10	60	<0.5	<2	1.67	<0.5	8	172
V835504		0.06		2.01		3.4	0.93	<2	<10	70	<0.5	<2	0.44	<0.5	10	14
1124017037		0.49		3.47		2.8	1.04	114	<10	20	<0.5	<2	0.41	8.1	8	114
1232002743		0.54		0.019		0.3	1.05	2	<10	30	<0.5	2	0.43	<0.5	8	116
1124020054		0.52		1.015		1.2	1.29	52	<10	20	<0.5	2	1.75	4.5	8	103
1124017016		0.48		2.35		1.5	1.06	44	<10	30	<0.5	<2	1.43	3.9	6	81
1124020015		0.49		0.529		1.8	0.71	64	<10	30	<0.5	2	2.55	7.9	8	94
1124020075		0.45		1.680		1.5	1.72	66	<10	20	<0.5	3	0.34	<0.5	8	120
1124015007		Not Recvd														
1124015201		0.49		0.097		0.5	1.02	10	<10	30	<0.5	<2	2.44	<0.5	9	112

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1232002520		91	2.48	<10	<1	0.14	10	0.72	345	1	0.08	17	500	3	1.26	<2
1124016127		83	2.24	<10	<1	0.15	<10	0.63	1545	1	0.01	12	400	149	2.27	<2
1232002518		111	2.24	<10	<1	0.09	10	0.55	383	3	0.05	11	400	4	1.90	<2
1124010027		20	1.89	<10	<1	0.13	10	0.63	398	<1	0.03	10	430	4	0.37	<2
1124010058		21	1.96	<10	<1	0.11	20	0.70	375	1	0.03	11	570	8	1.01	2
1124014066		41	2.25	10	<1	0.19	20	0.96	558	1	0.09	11	620	21	0.98	<2
1124014090		117	7.80	10	<1	0.37	10	1.45	1365	2	0.12	55	720	21	1.59	2
1124010005		39	1.90	<10	<1	0.13	10	0.68	493	1	0.04	11	450	5	0.35	<2
1124010008		28	1.81	<10	<1	0.14	10	0.81	488	1	0.06	13	410	9	0.68	<2
1124010082		31	2.12	10	1	0.14	20	0.77	409	1	0.15	11	590	18	0.45	2
1124014020		12	1.97	<10	<1	0.18	10	0.67	609	1	0.06	14	440	4	0.54	<2
1124014067		50	2.86	10	<1	0.73	30	1.65	637	2	0.08	23	1640	22	0.80	<2
V835503		57	3.24	10	<1	0.27	10	0.56	307	11	0.10	16	750	7	0.09	<2
1124014032		11	2.55	10	<1	0.25	20	0.98	600	<1	0.04	18	680	3	0.18	<2
1124017001		33	2.41	<10	<1	0.13	20	0.87	570	1	0.12	11	560	33	1.43	<2
1232002971		417	2.84	<10	<1	0.10	10	0.61	400	3	0.13	11	400	3	2.31	<2
1232002007		361	3.52	<10	<1	0.10	10	0.59	363	4	0.07	11	400	4	3.02	<2
1124020037		110	2.82	<10	1	0.14	10	0.76	1030	<1	0.01	12	430	56	2.30	<2
1232002768		54	2.33	<10	<1	0.09	20	0.69	272	1	0.05	11	540	3	2.18	<2
1124017045		18	2.43	10	<1	0.16	20	1.02	648	1	0.15	11	580	25	0.98	<2
1124017070		52	2.70	<10	<1	0.17	20	1.17	792	<1	0.02	16	630	52	1.37	<2
1124020002		26	1.96	<10	<1	0.21	10	0.78	1350	<1	0.01	13	430	45	1.70	<2
1232002720		20	2.04	<10	<1	0.09	20	0.70	136	1	0.04	8	460	3	2.13	<2
1124014008		27	1.71	10	<1	0.22	20	0.65	369	1	0.15	11	520	17	0.56	<2
1124014003		15	2.18	10	<1	0.33	10	0.76	578	2	0.07	15	480	5	0.52	<2
1124014001		31	2.25	<10	<1	0.18	10	0.65	668	2	0.04	13	430	4	1.01	<2
1124017076		114	3.02	<10	<1	0.18	10	0.78	1410	1	0.01	10	400	432	2.81	2
1124014014		4	2.66	10	<1	0.49	20	1.14	592	<1	0.06	20	700	5	0.17	<2
1124017071		40	2.37	10	<1	0.15	20	1.00	753	1	0.05	11	590	77	0.97	2
1124017100		93	2.24	<10	<1	0.15	10	0.63	1405	1	<0.01	11	420	253	2.22	<2
1124014016		15	1.99	10	<1	0.23	20	0.74	523	1	0.06	15	480	5	0.43	<2
V835504		264	2.04	<10	<1	0.24	10	0.39	232	13	0.12	12	380	18	0.06	<2
1124017037		117	3.89	<10	1	0.16	10	0.81	487	1	<0.01	10	360	570	3.50	2
1232002743		19	1.95	<10	<1	0.11	20	0.80	191	1	0.05	10	520	3	1.77	<2
1124020054		53	2.49	<10	<1	0.15	10	0.82	906	<1	0.03	10	410	48	2.02	<2
1124017016		49	1.79	<10	<1	0.18	10	0.85	701	<1	<0.01	7	370	99	1.27	<2
1124020015		63	2.19	<10	1	0.23	10	0.83	1340	1	0.01	10	410	140	2.03	<2
1124020075		93	4.95	<10	<1	0.19	10	1.10	753	<1	<0.01	10	410	28	3.31	<2
1124015007																
1124015201		42	2.18	<10	<1	0.12	10	0.77	556	2	0.05	14	420	3	0.84	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1232002520		2	36	<20	0.06	<10	<10	30	10	152	0.18	1.21	20	8.9	-18	37.8
1124016127		<1	20	<20	<0.01	<10	<10	2	<10	1305	1.27	2.17	90	8.8	22	67.8
1232002518		1	18	<20	0.01	<10	<10	10	40	47	0.24	1.88	18	8.6	-41	58.8
1124010027		1	36	<20	0.01	<10	<10	12	<10	47	0.59	0.36	51	9.4	40	11.3
1124010058		1	28	<20	<0.01	<10	<10	8	<10	107	0.29	0.94	25	8.9	-4	29.4
1124014066		1	69	<20	0.04	<10	<10	15	<10	158	0.46	0.91	37	8.9	9	28.4
1124014090		9	94	<20	0.10	<10	<10	174	<10	984	1.11	1.52	134	8.6	87	47.5
1124010005		1	43	<20	0.01	<10	<10	14	<10	71	0.73	0.33	57	9.4	47	10.3
1124010008		1	40	<20	0.01	<10	<10	11	<10	96	0.60	0.64	38	9.1	18	20.0
1124010082		1	101	<20	0.02	<10	<10	14	10	108	0.35	0.42	25	9.1	12	13.1
1124014020		2	30	<20	0.03	<10	<10	25	<10	101	0.54	0.52	49	9.4	33	16.3
1124014067		5	194	<20	0.12	<10	<10	40	<10	133	0.92	0.76	69	9.0	45	23.8
V835503		3	17	<20	0.37	<10	<10	81	<10	51	0.05					
1124014032		3	161	<20	0.03	<10	<10	39	<10	99	0.92	0.16	69	9.1	64	5.0
1124017001		1	46	<20	0.02	<10	<10	9	<10	220	0.26	1.42	28	8.7	-16	44.4
1232002971		1	57	<20	0.01	<10	<10	10	10	56	0.14	2.22	14	8.2	-55	69.4
1232002007		1	34	<20	<0.01	<10	<10	7	<10	90	0.09	2.88	11	7.9	-79	90.0
1124020037		<1	17	<20	<0.01	<10	<10	4	<10	1825	0.54	2.20	48	8.5	-21	68.8
1232002768		1	24	<20	0.01	<10	<10	11	<10	103	0.20	2.16	18	8.2	-50	67.5
1124017045		1	79	<20	0.01	<10	<10	12	<10	138	0.19	0.94	30	9.0	1	29.4
1124017070		1	48	<20	0.01	<10	<10	15	<10	966	0.65	1.32	57	8.9	16	41.3
1124020002		<1	21	<20	<0.01	<10	<10	3	<10	361	1.00	1.67	80	9.0	28	52.2
1232002720		<1	15	<20	<0.01	<10	<10	5	<10	82	0.07	2.18	8	8.3	-60	68.1
1124014008		1	109	<20	0.04	<10	<10	13	<10	99	0.22	0.52	27	9.1	11	16.3
1124014003		2	47	<20	0.06	<10	<10	29	<10	118	0.65	0.49	46	8.9	31	15.3
1124014001		1	40	<20	0.01	<10	<10	14	<10	107	0.77	0.94	62	9.0	33	29.4
1124017076		<1	20	<20	<0.01	<10	<10	3	<10	3600	1.04	2.83	71	8.7	-17	88.4
1124014014		4	78	<20	0.07	<10	<10	46	<10	106	0.82	0.14	69	9.5	65	4.4
1124017071		1	56	<20	0.01	<10	<10	9	<10	328	0.21	0.88	27	9.0	-1	27.5
1124017100		<1	18	<20	<0.01	<10	<10	2	<10	1805	1.10	2.21	78	8.8	9	69.1
1124014016		2	43	<20	0.04	<10	<10	23	<10	84	0.62	0.39	42	9.3	30	12.2
V835504		1	20	<20	0.29	<10	<10	44	<10	53	0.02					
1124017037		<1	9	<20	<0.01	<10	<10	4	<10	2060	0.12	3.32	12	8.4	-92	103.8
1232002743		1	20	<20	0.01	<10	<10	11	<10	61	0.09	1.83	12	8.6	-45	57.2
1124020054		<1	22	<20	<0.01	<10	<10	4	<10	964	0.48	1.98	44	8.6	-18	61.9
1124017016		<1	19	<20	<0.01	<10	<10	4	<10	1055	0.44	1.28	39	8.9	-1	40.0
1124020015		<1	24	<20	<0.01	<10	<10	3	<10	1725	1.05	1.97	82	8.9	20	61.6
1124020075		1	7	<20	<0.01	<10	<10	6	<10	135	0.06	3.25	12	8.2	-90	101.6
1124015007																
1124015201		2	38	<20	0.01	<10	<10	18	<10	82	0.90	0.89	69	9.2	41	27.8

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1232002520		0.53	1
1124016127		1.33	3
1232002518		0.31	1
1124010027		4.53	2
1124010058		0.85	2
1124014066		1.30	2
1124014090		2.82	3
1124010005		5.53	2
1124010008		1.90	2
1124010082		1.90	2
1124014020		3.02	2
1124014067		2.91	2
V835503			
1124014032		13.80	2
1124017001		0.63	2
1232002971		0.20	1
1232002007		0.12	1
1124020037		0.70	2
1232002768		0.27	1
1124017045		1.02	2
1124017070		1.38	2
1124020002		1.53	2
1232002720		0.12	1
1124014008		1.66	2
1124014003		3.00	2
1124014001		2.11	2
1124017076		0.80	2
1124014014		15.77	2
1124017071		0.98	2
1124017100		1.13	2
1124014016		3.45	2
V835504			
1124017037		0.12	1
1232002743		0.21	1
1124020054		0.71	2
1124017016		0.98	2
1124020015		1.33	2
1124020075		0.12	1
1124015007			
1124015201		2.48	2

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EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
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CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
2137010010		0.49		<0.005		<0.2	1.94	3	<10	90	<0.5	<2	1.87	<0.5	9	131
1124018131		0.47		1.440		1.3	0.97	51	<10	20	<0.5	<2	1.55	2.8	6	69
1124018123		0.48		0.220		0.4	1.52	52	<10	20	<0.5	<2	0.90	1.9	9	93
1124015152		0.46		0.038		0.3	1.07	8	<10	40	<0.5	<2	1.62	2.0	8	70
1124015013		0.47		0.044		<0.2	1.02	4	<10	50	<0.5	<2	1.69	<0.5	7	107
1124020087		0.34		0.830		1.4	2.01	21	<10	30	<0.5	<2	1.64	1.7	8	87
1124020089		0.46		0.446		1.0	2.26	37	<10	30	<0.5	<2	1.80	2.8	8	78
1124020049		0.46		0.080		0.6	2.35	32	<10	30	<0.5	<2	1.92	0.9	8	95
1124018044		0.46		0.256		1.6	1.94	47	<10	130	0.6	<2	2.04	4.0	11	80
1124018091		0.46		0.438		1.3	1.19	61	<10	30	<0.5	<2	1.73	2.0	11	47
1124025102		Not Recvd														
1124018042		0.50		>10.0	33.6	8.2	2.08	43	<10	30	<0.5	<2	1.78	0.5	10	63
1124018017		0.48		0.453		1.1	0.73	63	<10	20	<0.5	<2	1.68	3.0	7	88
V835505		0.06		0.755		3.6	0.78	2	<10	60	<0.5	<2	1.59	<0.5	12	8
1124003061		0.51		0.653		1.2	0.55	137	<10	20	<0.5	<2	1.34	1.1	11	81
1124003135		0.53		0.550		1.9	0.27	49	<10	20	<0.5	<2	2.94	2.2	8	129
1124003092		0.51		5.02		5.5	0.32	72	<10	20	<0.5	<2	1.64	4.2	14	141
1124007068		0.54		0.035		0.3	1.74	8	<10	50	<0.5	<2	1.92	<0.5	11	262
1124003015		0.55		1.790		5.7	0.53	47	<10	30	<0.5	<2	2.13	5.9	8	75
1124003001		0.41	94.3	0.249		0.6	0.88	89	<10	40	<0.5	<2	1.94	<0.5	9	205
1124003329		0.49		0.651		4.7	0.42	35	<10	20	<0.5	2	2.49	2.8	8	108
1124003315		Not Recvd														
1124003131		0.55		1.175		1.3	0.62	59	<10	20	<0.5	<2	1.80	0.7	9	72
1124007053		0.50		0.058		0.4	1.20	46	<10	40	<0.5	<2	2.54	<0.5	6	160
1124003147		0.51		0.472		1.6	0.52	53	<10	20	<0.5	<2	2.40	2.1	9	114
1124003304		0.53		0.973		3.4	0.59	26	<10	30	<0.5	<2	2.31	3.1	8	250
1124007064		0.57		0.067		0.2	0.97	6	<10	30	<0.5	<2	1.62	<0.5	8	138
1124006013		0.53		0.033		0.2	1.05	4	<10	50	<0.5	<2	1.26	<0.5	7	152
1124003049		0.47		0.645		1.7	0.49	48	<10	30	<0.5	<2	2.51	2.5	8	63
1124003017		0.48		0.808		3.3	0.42	40	<10	30	<0.5	<2	2.28	1.7	8	109
1124007001		0.56		0.020		0.2	1.04	10	<10	90	<0.5	<2	2.08	0.6	11	72
V835506		0.06		0.944		2.4	1.09	<2	<10	80	<0.5	<2	0.68	<0.5	13	8
1124001131		0.45		0.913		2.0	0.67	37	<10	40	<0.5	<2	2.46	2.2	8	169
1124004104		0.40		0.351		1.8	0.77	33	<10	30	<0.5	<2	2.07	1.1	7	184
1124004127		0.37		0.249		1.9	0.75	35	<10	20	<0.5	<2	1.68	1.2	8	126
1124004010		0.43		0.266		10.5	0.75	18	<10	20	<0.5	<2	1.28	1.0	7	75
1124004070		0.41		0.229		4.0	0.63	35	<10	20	<0.5	<2	1.04	7.7	8	180
1124001107		0.52		0.649		2.6	0.45	39	<10	20	<0.5	<2	2.12	4.6	9	119
1124003084		0.41		0.569		0.9	0.58	35	<10	30	<0.5	2	2.43	4.5	9	109
1124004001		0.47		0.659		2.0	0.73	21	<10	30	<0.5	<2	1.74	3.7	10	89

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
2137010010		9	1.88	10	<1	0.40	10	0.54	258	<1	0.14	11	430	4	0.06	<2
1124018131		65	1.74	<10	1	0.19	10	0.77	815	<1	0.01	7	370	166	1.29	<2
1124018123		31	2.38	<10	<1	0.10	20	0.81	637	<1	0.03	10	570	19	1.17	<2
1124015152		33	1.96	<10	<1	0.18	10	0.63	484	1	0.04	11	410	<2	0.56	<2
1124015013		21	1.79	<10	<1	0.21	10	0.65	415	1	0.05	9	390	<2	0.28	<2
1124020087		34	1.79	<10	<1	0.17	10	0.55	413	1	0.22	10	390	147	1.60	2
1124020089		39	1.81	<10	<1	0.16	10	0.65	498	1	0.24	11	380	92	1.56	4
1124020049		35	1.76	<10	1	0.18	10	0.72	587	1	0.16	11	380	58	1.34	<2
1124018044		64	2.81	<10	1	0.33	20	1.12	622	1	0.06	16	1040	76	1.83	<2
1124018091		53	1.81	<10	1	0.24	10	0.83	886	9	0.02	11	380	62	1.32	<2
1124025102																
1124018042		28	2.17	<10	<1	0.15	20	0.88	581	1	0.08	9	560	43	1.26	<2
1124018017		32	1.70	<10	<1	0.18	10	0.54	786	<1	0.01	7	360	60	1.51	2
V835505		32	2.68	<10	<1	0.21	10	0.35	215	14	0.10	11	490	16	0.04	<2
1124003061		32	2.45	<10	<1	0.13	10	0.49	888	1	0.02	10	530	56	2.27	<2
1124003135		40	2.00	<10	<1	0.13	10	0.63	1810	1	0.01	13	390	343	2.02	<2
1124003092		71	2.33	<10	1	0.14	10	0.66	1545	1	0.02	15	480	713	2.35	4
1124007068		32	1.98	10	<1	0.13	20	1.03	373	1	0.09	26	570	8	0.39	<2
1124003015		193	2.11	<10	<1	0.20	10	0.81	1435	1	0.02	11	430	653	2.20	2
1124003001		20	2.18	<10	<1	0.19	10	0.65	970	<1	0.03	11	530	21	1.77	2
1124003329		70	1.98	<10	<1	0.14	<10	0.55	1270	1	0.02	12	430	339	2.09	2
1124003315																
1124003131		38	1.96	<10	<1	0.16	10	0.68	2010	<1	0.02	10	460	31	1.38	<2
1124007053		12	1.54	<10	1	0.17	10	0.65	568	<1	0.03	9	350	6	0.71	<2
1124003147		47	2.11	<10	<1	0.14	10	0.59	1295	1	0.02	11	430	150	2.11	<2
1124003304		80	2.06	<10	<1	0.20	10	0.58	1240	1	0.02	12	420	194	2.06	<2
1124007064		26	1.92	<10	<1	0.10	10	0.59	368	1	0.04	10	380	11	0.48	<2
1124006013		10	1.96	10	<1	0.18	10	0.65	293	1	0.05	10	390	6	0.41	<2
1124003049		34	1.94	<10	<1	0.18	10	0.81	1570	1	0.02	10	410	230	1.97	2
1124003017		51	1.96	<10	<1	0.14	10	0.77	1420	1	0.02	11	430	122	1.96	<2
1124007001		15	1.97	<10	<1	0.19	20	0.68	451	1	0.04	13	600	3	0.42	<2
V835506		58	3.10	<10	<1	0.26	10	0.52	303	10	0.11	16	730	6	0.07	<2
1124001131		63	1.97	<10	1	0.23	10	0.92	1545	1	0.02	11	410	400	1.78	<2
1124004104		29	1.89	<10	<1	0.13	10	0.86	1035	1	0.03	9	420	70	1.76	<2
1124004127		23	1.73	<10	1	0.10	<10	0.67	843	1	0.02	8	380	192	1.68	<2
1124004010		21	1.74	<10	1	0.11	10	0.64	941	3	0.03	9	430	49	1.78	<2
1124004070		74	1.80	<10	1	0.17	10	0.55	953	1	0.02	10	370	345	1.88	<2
1124001107		72	2.35	<10	<1	0.15	<10	0.70	1165	1	0.02	13	420	52	2.53	<2
1124003084		63	2.18	<10	1	0.21	<10	0.86	1270	1	0.01	11	440	103	2.10	<2
1124004001		58	2.49	<10	<1	0.19	10	0.74	1115	1	0.02	14	450	67	2.23	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
2137010010		1	223	<20	0.08	<10	<10	23	<10	53	0.36	0.05	38	9.7	36	1.6
1124018131		<1	23	<20	<0.01	<10	<10	4	<10	775	0.49	1.27	42	9.2	2	39.7
1124018123		1	21	<20	<0.01	<10	<10	9	<10	561	0.22	1.18	23	9.0	-14	36.9
1124015152		1	33	<20	0.02	<10	<10	15	<10	550	0.57	0.56	47	9.6	30	17.5
1124015013		1	37	<20	0.03	<10	<10	17	<10	118	0.66	0.27	53	9.7	45	8.4
1124020087		1	47	<20	0.01	<10	<10	6	<10	450	0.25	1.62	31	9.2	-20	50.6
1124020089		1	50	<20	0.01	<10	<10	6	<10	720	0.26	1.51	33	9.2	-14	47.2
1124020049		1	51	<20	0.02	<10	<10	7	<10	296	0.29	1.21	30	9.2	-8	37.8
1124018044		3	80	<20	0.04	<10	<10	21	<10	1195	0.49	1.80	49	9.1	-7	56.3
1124018091		1	28	<20	<0.01	<10	<10	5	10	571	0.58	1.27	48	9.1	8	39.7
1124025102																
1124018042		1	46	<20	0.03	<10	<10	12	<10	190	0.31	1.20	34	9.0	-4	37.5
1124018017		<1	32	<20	<0.01	<10	<10	3	<10	921	0.54	1.43	45	9.1	0	44.7
V835505		2	36	<20	0.24	<10	<10	44	<10	41	0.42					
1124003061		<1	14	<20	<0.01	<10	<10	3	<10	312	0.57	2.25	46	8.8	-24	70.3
1124003135		<1	20	<20	<0.01	<10	<10	2	<10	569	1.26	2.12	100	9.0	34	66.3
1124003092		<1	14	<20	<0.01	<10	<10	2	<10	1135	0.88	2.32	69	9.1	-4	72.5
1124007068		2	87	<20	0.05	<10	<10	23	10	64	0.50	0.37	46	9.4	34	11.6
1124003015		<1	19	<20	<0.01	<10	<10	3	<10	1565	1.03	1.97	80	9.3	18	61.6
1124003001		1	24	<20	<0.01	<10	<10	5	<10	115	0.76	1.72	64	8.2	10	53.8
1124003329		<1	20	<20	<0.01	<10	<10	2	<10	733	1.08	1.95	80	8.9	19	60.9
1124003315																
1124003131		<1	13	<20	<0.01	<10	<10	3	<10	222	0.83	1.34	66	8.9	24	41.9
1124007053		1	29	<20	<0.01	<10	<10	5	<10	105	0.82	0.70	70	9.3	48	21.9
1124003147		<1	21	<20	<0.01	<10	<10	3	<10	536	0.98	1.97	78	9.0	16	61.6
1124003304		<1	21	<20	<0.01	<10	<10	3	<10	775	0.98	2.02	77	8.9	14	63.1
1124007064		1	26	<20	0.01	<10	<10	14	<10	73	0.51	0.48	46	9.5	31	15.0
1124006013		2	26	<20	0.05	<10	<10	21	<10	48	0.36	0.41	36	9.5	23	12.8
1124003049		<1	21	<20	<0.01	<10	<10	2	<10	652	1.20	1.94	96	9.2	35	60.6
1124003017		<1	19	<20	<0.01	<10	<10	2	<10	443	1.15	1.99	85	9.1	23	62.2
1124007001		2	79	<20	0.02	<10	<10	14	<10	192	0.71	0.40	63	9.5	51	12.5
V835506		3	16	<20	0.34	<10	<10	77	<10	50	0.05					
1124001131		1	23	<20	<0.01	<10	<10	4	<10	622	1.19	1.80	99	9.3	43	56.3
1124004104		<1	31	<20	<0.01	<10	<10	4	<10	280	0.94	1.64	75	9.1	24	51.3
1124004127		<1	23	<20	<0.01	<10	<10	3	<10	276	0.71	1.70	56	9.0	3	53.1
1124004010		<1	29	<20	<0.01	<10	<10	3	<10	256	0.64	1.83	49	9.0	-8	57.2
1124004070		<1	18	<20	<0.01	<10	<10	3	<10	1790	0.59	1.83	42	9.0	-15	57.2
1124001107		<1	20	<20	<0.01	<10	<10	2	<10	1160	0.97	2.47	76	9.0	-1	77.2
1124003084		<1	22	<20	<0.01	<10	<10	3	<10	1030	1.10	2.01	86	8.8	23	62.8
1124004001		1	20	<20	0.01	<10	<10	17	<10	964	0.84	2.18	66	8.6	-2	68.1

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
2137010010		24.32	2
1124018131		1.06	2
1124018123		0.62	2
1124015152		2.69	2
1124015013		6.28	2
1124020087		0.61	2
1124020089		0.70	2
1124020049		0.79	2
1124018044		0.87	2
1124018091		1.21	2
1124025102			
1124018042		0.91	2
1124018017		1.01	2
V835505			
1124003061		0.65	2
1124003135		1.51	3
1124003092		0.95	2
1124007068		3.98	2
1124003015		1.30	2
1124003001		1.19	2
1124003329		1.31	2
1124003315			
1124003131		1.58	2
1124007053		3.20	2
1124003147		1.27	2
1124003304		1.22	2
1124007064		3.07	2
1124006013		2.81	2
1124003049		1.58	3
1124003017		1.37	2
1124007001		5.04	2
V835506			
1124001131		1.76	3
1124004104		1.46	2
1124004127		1.05	2
1124004010		0.86	2
1124004070		0.73	2
1124001107		0.98	2
1124003084		1.37	2
1124004001		0.97	2

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CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
2138017070		0.63		0.013		0.2	2.73	11	<10	90	<0.5	<2	1.79	<0.5	7	260
1124003009		0.44		1.430		5.4	0.60	82	<10	30	<0.5	<2	2.34	10.3	8	96
1124004002		0.46		0.959		2.0	0.60	20	30	30	<0.5	<2	2.01	1.6	8	88
1124004030		0.50		0.297		4.1	0.61	20	<10	20	<0.5	<2	0.97	1.4	8	141
1124004054		0.46		1.095		1.9	0.62	18	<10	20	<0.5	2	2.14	2.5	8	102
1124003005		0.52		4.98		4.3	0.59	111	<10	30	<0.5	<2	1.02	4.6	11	224
1124004100		0.48		0.380		3.0	0.44	26	<10	20	<0.5	<2	1.37	3.0	8	149
1124003125		0.49		2.81		2.7	0.50	141	<10	20	<0.5	<2	1.15	4.3	9	72
2138017062		0.46		0.014		0.4	2.13	6	<10	70	<0.5	<2	1.52	<0.5	9	195
V835507		0.05		1.890		3.2	0.93	<2	<10	70	<0.5	<2	0.44	<0.5	9	13
1124005001		0.55		0.131		3.0	0.56	31	<10	20	<0.5	<2	1.93	2.4	7	97
1124005016		0.53		0.167		7.2	0.55	42	<10	30	<0.5	<2	1.75	7.9	8	87
1124005225		0.53		0.650		5.7	0.58	29	<10	30	<0.5	4	1.80	3.8	9	154
1124007006		0.53		0.076		0.6	1.50	21	<10	30	<0.5	<2	1.37	<0.5	9	156
1124005065		0.42		0.106		1.1	0.82	31	<10	30	<0.5	<2	1.88	<0.5	8	130
1124006024		0.55		0.037		0.3	1.18	8	<10	30	<0.5	<2	1.53	<0.5	8	117
1124005035		0.43		0.297		2.8	0.78	60	<10	30	<0.5	<2	2.47	<0.5	9	80
1124005043		0.49		0.244		1.8	0.73	35	<10	30	<0.5	<2	2.46	<0.5	8	83
1124005041		0.59		0.207		0.7	0.89	67	<10	30	<0.5	<2	2.88	0.6	9	76
1124007028		0.43		0.026		0.5	1.06	20	<10	30	<0.5	<2	1.19	<0.5	7	40
1124007011		0.62		0.033		0.7	1.92	33	<10	30	<0.5	<2	1.64	<0.5	8	59
1124005919		0.47		0.106		1.1	2.48	23	<10	30	<0.5	3	1.96	<0.5	8	117
V835508		0.06		0.931		2.5	1.13	<2	<10	80	<0.5	<2	0.73	<0.5	13	8
1124003317		0.45		0.265		2.2	1.41	24	<10	30	<0.5	4	2.05	1.3	8	101
1124005187		0.45		0.514		4.1	0.50	32	<10	20	<0.5	<2	1.82	2.6	8	79
1124015027		0.47		0.016		0.2	1.26	5	<10	50	<0.5	<2	2.11	<0.5	6	79
1124015102		0.50		0.020		0.3	1.07	4	<10	40	<0.5	<2	1.80	<0.5	7	92
V835267		0.58		0.147		0.9	1.02	57	<10	40	<0.5	<2	2.36	0.9	9	117

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
2138017070		7	1.72	10	<1	0.69	20	0.67	276	1	0.20	11	370	3	0.19	<2
1124003009		107	2.28	<10	1	0.20	10	0.99	2090	1	0.01	12	400	1680	2.47	7
1124004002		55	2.02	<10	1	0.21	10	0.82	1190	1	0.01	11	410	47	2.08	<2
1124004030		34	2.08	<10	1	0.12	10	0.53	1075	1	0.01	10	370	37	2.13	<2
1124004054		52	1.95	<10	1	0.18	10	0.82	1375	1	0.01	10	420	55	2.03	<2
1124003005		141	2.33	<10	<1	0.19	10	0.39	632	1	0.01	11	500	578	2.17	3
1124004100		81	1.82	<10	1	0.12	<10	0.52	1385	1	0.01	11	420	39	1.87	<2
1124003125		56	2.18	<10	1	0.17	10	0.39	985	1	0.01	9	440	505	2.17	2
2138017062		14	1.98	10	<1	0.35	10	0.68	275	1	0.11	12	400	7	0.13	<2
V835507		255	1.95	<10	<1	0.23	10	0.37	226	13	0.11	12	360	18	0.06	<2
1124005001		39	1.92	<10	<1	0.12	10	0.83	995	1	0.02	8	410	216	2.02	<2
1124005016		238	1.87	<10	1	0.13	10	0.59	1140	1	0.02	10	430	1390	2.03	5
1124005225		54	2.10	<10	<1	0.14	10	0.50	950	1	0.01	11	420	50	2.20	<2
1124007006		16	1.79	10	<1	0.13	10	0.72	431	<1	0.07	11	410	11	0.68	<2
1124005065		39	2.12	<10	<1	0.13	10	0.71	942	1	0.02	8	440	24	2.11	<2
1124006024		12	2.01	10	<1	0.09	10	0.69	308	1	0.04	10	420	4	0.53	<2
1124005035		26	1.98	<10	<1	0.15	10	0.51	976	<1	0.03	10	460	41	1.96	<2
1124005043		17	1.86	<10	<1	0.13	10	0.51	888	1	0.03	10	440	21	1.84	<2
1124005041		35	2.12	<10	<1	0.12	10	0.70	1105	1	0.03	13	440	68	1.89	<2
1124007028		12	1.36	<10	<1	0.09	10	0.57	396	<1	0.04	9	370	13	0.49	<2
1124007011		27	1.70	10	1	0.12	10	1.00	375	1	0.07	8	340	20	0.91	2
1124005919		31	1.92	10	<1	0.15	10	0.56	415	1	0.23	10	420	50	1.80	<2
V835508		59	3.16	<10	<1	0.27	10	0.54	304	10	0.10	16	720	7	0.06	<2
1124003317		53	1.89	<10	<1	0.14	10	0.59	801	2	0.12	10	420	88	1.74	2
1124005187		48	1.65	<10	1	0.12	10	0.44	909	1	0.01	9	420	138	1.75	2
1124015027		14	1.76	10	<1	0.16	10	0.77	419	1	0.04	11	420	<2	0.09	<2
1124015102		20	1.68	<10	1	0.11	10	0.59	377	1	0.03	8	400	<2	0.12	<2
V835267		37	1.99	<10	<1	0.13	10	0.69	1065	1	0.05	11	480	48	1.76	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
2138017070		1	141	<20	0.09	<10	<10	23	<10	38	0.20	0.18	28	9.4	22	5.6
1124003009		<1	26	<20	<0.01	<10	<10	3	<10	2710	1.14	2.49	97	8.9	19	77.8
1124004002		1	21	<20	<0.01	<10	<10	3	<10	411	1.01	2.03	78	9.0	15	63.4
1124004030		<1	16	<20	<0.01	<10	<10	2	<10	342	0.53	2.10	37	8.7	-29	65.6
1124004054		<1	22	<20	<0.01	<10	<10	3	<10	650	0.98	2.01	79	8.9	16	62.8
1124003005		<1	13	<20	<0.01	<10	<10	4	<10	1110	0.45	2.06	36	8.8	-28	64.4
1124004100		<1	15	<20	<0.01	<10	<10	2	<10	785	0.64	1.89	52	8.9	-7	59.1
1124003125		<1	12	<20	<0.01	<10	<10	3	<10	1160	0.51	2.13	40	8.8	-27	66.6
2138017062		1	93	<20	0.08	<10	<10	24	<10	100	0.29	0.14	27	8.4	23	4.4
V835507		1	19	<20	0.28	<10	<10	42	<10	52	0.02					
1124005001		<1	28	<20	<0.01	<10	<10	2	<10	571	0.91	1.90	71	9.0	12	59.4
1124005016		<1	29	<20	<0.01	<10	<10	2	<10	1990	0.77	2.12	56	8.9	-10	66.3
1124005225		<1	14	<20	<0.01	<10	<10	2	<10	922	0.72	2.28	53	9.0	-18	71.3
1124007006		1	50	<20	0.01	<10	<10	13	<10	79	0.30	0.75	32	9.0	9	23.4
1124005065		<1	29	<20	<0.01	<10	<10	3	<10	88	0.76	2.13	56	8.7	-11	66.6
1124006024		1	32	<20	0.01	<10	<10	15	<10	41	0.43	0.56	39	8.7	22	17.5
1124005035		<1	35	<20	<0.01	<10	<10	3	<10	110	0.79	2.11	63	8.8	-3	65.9
1124005043		<1	33	<20	<0.01	<10	<10	3	<10	98	0.89	2.05	69	9.0	5	64.1
1124005041		<1	44	<20	<0.01	<10	<10	4	<10	163	0.95	2.07	75	9.0	10	64.7
1124007028		1	25	<20	<0.01	<10	<10	7	<10	73	0.33	0.53	29	9.4	12	16.6
1124007011		1	39	<20	<0.01	<10	<10	6	<10	199	0.35	0.88	35	9.4	8	27.5
1124005919		<1	66	<20	0.02	<10	<10	5	<10	128	0.27	1.81	29	9.1	-28	56.6
V835508		3	18	<20	0.36	<10	<10	79	<10	51	0.06					
1124003317		<1	30	<20	<0.01	<10	<10	3	<10	330	0.60	1.82	46	8.9	-11	56.9
1124005187		<1	16	<20	<0.01	<10	<10	2	<10	640	0.75	1.83	55	9.0	-2	57.2
1124015027		1	43	<20	0.01	<10	<10	13	<10	72	0.69	0.10	55	9.6	52	3.1
1124015102		1	29	<20	0.01	<10	<10	10	<10	83	0.58	0.14	47	9.7	43	4.4
V835267		1	42	<20	<0.01	<10	<10	5	<10	283	0.77					

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
2138017070		4.98	2
1124003009		1.25	3
1124004002		1.23	2
1124004030		0.56	2
1124004054		1.26	2
1124003005		0.56	2
1124004100		0.88	2
1124003125		0.60	2
2138017062		6.17	2
V835507			
1124005001		1.20	2
1124005016		0.85	2
1124005225		0.74	2
1124007006		1.37	2
1124005065		0.84	2
1124006024		2.23	2
1124005035		0.96	2
1124005043		1.08	2
1124005041		1.16	2
1124007028		1.75	2
1124007011		1.27	2
1124005919		0.51	2
V835508			
1124003317		0.81	2
1124005187		0.96	2
1124015027		17.60	2
1124015102		10.74	2
V835267			

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

CERTIFICATE OF ANALYSIS TB18235181

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

CERTIFICATE TB18315376

Project: Mine Site Lab Pulps Nov 2018

P.O. No.: 4500023138

This report is for 236 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-DEC-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1124029433		0.56	87.5	9.02		2.1	1.58	46	<10	150	0.6	4	1.73	5.7	11	181
1124029389		0.51		1.675		3.9	0.86	66	<10	80	<0.5	2	0.53	8.2	7	140
1124029716		0.55		0.293		1.1	0.61	163	<10	30	<0.5	<2	0.65	12.1	7	92
1124029733		0.50		0.558		1.4	0.48	164	<10	60	<0.5	2	1.35	12.6	7	115
1124029382		0.49		2.63		5.2	1.06	109	<10	50	0.5	2	1.45	9.7	10	179
1123015079		0.49		0.374		0.5	1.26	43	<10	30	<0.5	<2	1.77	2.0	7	70
1123015062		0.49		0.761		1.0	1.27	62	<10	40	<0.5	<2	1.93	3.5	7	87
1124029301		0.51		0.308		1.9	1.05	129	<10	20	<0.5	<2	0.20	4.3	7	83
1124029741		0.38		2.74		2.1	0.73	216	<10	30	<0.5	2	0.45	18.5	8	147
1124029330		0.54		1.070		1.6	0.72	399	<10	30	<0.5	<2	0.32	29.7	7	116
1124028243		0.47		1.085		0.9	1.26	85	<10	30	<0.5	2	0.64	8.6	8	83
1124028205		0.50		0.292		0.9	1.54	83	<10	30	<0.5	2	2.72	1.4	9	111
1123018079		0.52		0.006		<0.2	1.29	3	<10	90	<0.5	<2	2.37	<0.5	14	143
1123018107		0.47		0.008		<0.2	1.31	4	<10	110	<0.5	<2	2.39	<0.5	13	148
1124028224		0.48		0.316		1.0	1.34	135	<10	30	<0.5	<2	0.59	<0.5	7	92
V835516		0.06		1.630		9.6	0.99	<2	<10	80	<0.5	<2	0.60	<0.5	12	9
1123017145		0.67		0.190		0.6	1.52	32	<10	40	<0.5	<2	1.80	1.4	9	110
1123018998		0.52		0.293		<0.2	2.13	24	<10	30	<0.5	2	1.32	<0.5	6	77
1123016195		0.50		0.306		1.2	2.05	26	<10	30	<0.5	3	2.29	1.0	11	121
1123016221		0.46		0.176		1.1	2.22	22	<10	30	<0.5	3	2.14	0.7	9	143
1122003012		0.48		0.708		0.3	1.24	42	<10	60	<0.5	<2	2.35	1.0	10	108
1122003029		0.44		4.67		2.3	1.15	76	<10	30	<0.5	<2	2.10	4.1	11	95
1232007390		0.55		0.031		0.5	1.02	7	<10	30	<0.5	5	0.37	<0.5	10	125
1123016001		0.55		0.136		0.9	2.01	33	<10	40	<0.5	<2	2.77	2.3	8	127
1123020101		0.46		0.181		0.5	2.47	32	<10	40	<0.5	<2	1.78	<0.5	6	128
1123016053		0.45		0.150		0.5	2.30	42	<10	30	<0.5	<2	2.33	2.0	8	101
1123016020		0.50		0.267		1.8	2.27	23	<10	30	<0.5	<2	2.06	1.5	9	96
1123016136		0.46		0.220		1.0	2.47	65	10	40	<0.5	<2	1.77	6.6	8	144
1123016122		0.47		0.344		2.0	0.94	39	<10	30	<0.5	<2	2.22	0.9	7	122
1123016033		0.45		0.112		1.2	1.23	33	<10	40	<0.5	<2	2.39	0.6	8	124
1123016169		0.47		0.090		0.5	2.65	34	<10	30	<0.5	<2	2.16	1.6	8	121
1122003045		0.50		2.23		0.9	0.56	33	<10	30	<0.5	<2	2.32	1.1	8	128
1123016704		0.45		0.440		0.9	1.15	59	<10	30	<0.5	<2	2.43	1.6	6	101
1123020082		0.61		2.51		1.5	0.86	91	<10	60	<0.5	<2	0.35	19.5	6	129
1122003064		0.46		0.258		0.6	0.70	28	<10	20	<0.5	<2	2.26	0.6	7	164
1122003063		0.49		0.354		1.2	0.79	37	<10	30	<0.5	<2	2.35	2.0	9	193
V835517		0.06		6.61		5.2	0.95	<2	<10	50	<0.5	<2	0.61	<0.5	6	11
1123014107		0.69		0.859		2.0	0.88	68	<10	20	<0.5	<2	2.29	4.1	8	192
1123014114		0.65		1.440		1.5	1.14	55	<10	20	<0.5	<2	1.75	10.8	7	172
1123014165		0.67		3.47		1.8	1.22	98	<10	20	<0.5	<2	0.70	5.2	9	140

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1124029433		68	2.95	<10	<1	1.07	10	1.54	1630	<1	<0.01	16	1090	209	1.46	<2
1124029389		162	2.89	<10	<1	0.41	10	0.42	573	<1	<0.01	6	330	174	2.56	<2
1124029716		51	2.01	<10	<1	0.27	10	0.28	524	1	<0.01	7	370	129	1.93	<2
1124029733		94	2.51	<10	<1	0.31	10	0.51	1120	1	<0.01	7	370	255	2.45	2
1124029382		132	3.32	<10	<1	0.71	10	0.96	932	1	<0.01	17	980	104	2.67	2
1123015079		15	1.74	<10	<1	0.30	20	1.00	942	<1	0.01	6	410	41	1.37	<2
1123015062		44	1.76	<10	<1	0.34	20	0.88	997	<1	0.01	7	380	125	1.36	<2
1124029301		210	2.72	<10	<1	0.27	10	0.44	306	<1	0.01	7	420	12	1.84	<2
1124029741		88	4.03	<10	1	0.25	10	0.34	386	1	<0.01	8	370	93	4.00	2
1124029330		147	2.77	<10	<1	0.27	10	0.27	348	1	<0.01	6	910	98	2.67	<2
1124028243		85	2.49	<10	<1	0.26	10	0.73	377	<1	0.02	10	420	27	2.21	<2
1124028205		33	1.87	<10	<1	0.30	10	0.96	1090	1	0.02	9	450	19	1.12	<2
1123018079		9	2.74	10	<1	0.24	20	1.07	585	<1	0.07	18	690	2	0.23	<2
1123018107		12	2.73	10	<1	0.23	20	1.05	630	1	0.06	21	720	3	0.34	2
1124028224		84	2.96	<10	<1	0.33	10	0.59	414	<1	0.01	8	430	11	2.03	2
V835516		49	2.93	<10	<1	0.20	10	0.42	268	20	0.14	12	620	7	0.06	<2
1123017145		19	1.51	<10	<1	0.20	10	0.77	600	<1	0.04	6	410	58	1.03	<2
1123018998		17	1.39	<10	<1	0.19	10	0.67	361	<1	0.18	6	390	30	0.93	<2
1123016195		47	2.36	<10	<1	0.19	10	0.57	711	1	0.11	13	450	44	1.70	<2
1123016221		46	1.81	<10	<1	0.17	10	0.51	538	1	0.16	10	420	71	1.52	<2
1122003012		36	2.28	<10	<1	0.22	20	0.88	983	<1	0.02	14	650	88	1.43	<2
1122003029		127	2.41	<10	1	0.22	20	0.76	1015	<1	0.02	11	610	551	1.96	<2
1232007390		61	2.62	<10	<1	0.12	20	0.82	229	1	0.04	11	520	4	2.81	<2
1123016001		32	2.02	<10	<1	0.24	10	0.98	1050	1	0.05	11	370	211	1.44	<2
1123020101		22	1.71	10	<1	0.28	10	1.00	658	1	0.11	7	390	40	0.79	5
1123016053		30	1.90	<10	<1	0.22	10	0.81	764	1	0.11	12	370	55	1.47	5
1123016020		25	2.05	<10	<1	0.17	10	0.66	444	2	0.11	12	440	22	1.96	7
1123016136		62	2.20	10	<1	0.25	10	0.80	619	1	0.14	12	390	107	1.86	3
1123016122		29	1.85	<10	<1	0.20	10	0.52	908	1	0.02	10	410	15	1.71	5
1123016033		34	2.00	<10	<1	0.19	10	0.61	977	1	0.06	12	460	42	1.81	3
1123016169		46	1.86	10	<1	0.20	10	0.74	582	1	0.17	11	420	45	1.53	5
1122003045		28	2.03	<10	<1	0.20	10	0.88	1095	1	0.02	11	390	86	2.15	5
1123016704		31	1.72	<10	<1	0.25	10	0.79	1125	<1	0.01	9	400	21	1.26	5
1123020082		193	2.19	<10	<1	0.46	10	0.56	784	1	<0.01	7	320	118	1.79	5
1122003064		26	1.93	<10	<1	0.18	10	0.74	1035	1	0.02	11	420	53	1.95	4
1122003063		36	2.27	<10	<1	0.26	10	0.94	1380	<1	0.02	13	400	184	2.36	4
V835517		40	1.75	<10	<1	0.18	10	0.38	188	23	0.15	10	600	8	0.08	3
1123014107		69	2.02	<10	<1	0.15	10	0.68	1030	1	0.01	10	420	108	1.67	4
1123014114		69	2.08	<10	<1	0.14	10	0.89	951	1	0.01	10	430	45	1.61	4
1123014165		92	3.58	<10	1	0.17	10	0.81	617	<1	0.01	12	410	35	2.60	4

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124029433		4	236	<20	0.09	<10	<10	26	<10	1445	0.71	1.38	64	9.3	21	43.1
1124029389		<1	64	<20	0.01	<10	<10	5	<10	2090	0.23	2.61	21	8.7	-61	81.6
1124029716		<1	14	<20	<0.01	<10	<10	3	<10	2880	0.28	1.93	23	8.6	-37	60.3
1124029733		<1	91	<20	<0.01	<10	<10	3	<10	3190	0.76	2.53	57	8.7	-22	79.1
1124029382		3	274	<20	0.06	<10	<10	20	<10	2420	0.56	2.68	48	8.8	-36	83.8
1123015079		1	31	<20	0.01	<10	<10	5	<10	560	0.47	1.22	45	9.2	7	38.1
1123015062		1	35	<20	<0.01	<10	<10	6	<10	950	0.56	1.25	54	9.2	15	39.1
1124029301		<1	9	<20	0.01	<10	<10	4	<10	1000	0.07	1.65	7	8.6	-45	51.6
1124029741		<1	12	<20	<0.01	<10	<10	4	<10	4300	0.18	4.02	14	8.1	-112	125.6
1124029330		<1	21	<20	<0.01	<10	<10	3	<10	6770	0.09	2.62	11	8.3	-71	81.9
1124028243		1	21	<20	<0.01	<10	<10	7	<10	2090	0.15	2.09	16	8.7	-49	65.3
1124028205		1	33	<20	0.01	<10	<10	7	<10	354	0.75	1.00	67	8.9	36	31.3
1123018079		4	81	<20	0.03	<10	<10	48	<10	82	0.78	0.22	67	9.5	60	6.9
1123018107		4	121	<20	0.03	<10	<10	46	<10	86	0.83	0.33	71	9.4	61	10.3
1124028224		1	14	<20	0.01	<10	<10	6	<10	81	0.16	1.92	15	8.8	-45	60.0
V835516		2	21	<20	0.42	<10	<10	72	<10	50	0.03					
1123017145		1	49	<20	0.01	<10	<10	7	<10	377	0.42	0.93	41	9.0	12	29.1
1123018998		1	54	<20	0.01	<10	<10	6	<10	92	0.18	0.88	19	9.2	-9	27.5
1123016195		1	66	<20	0.01	<10	<10	21	<10	253	0.46	1.65	45	9.0	-7	51.6
1123016221		1	68	<20	0.01	<10	<10	7	<10	192	0.36	1.37	38	9.0	-5	42.8
1122003012		1	40	<20	<0.01	<10	<10	11	<10	295	0.66	1.30	59	8.9	18	40.6
1122003029		1	29	<20	<0.01	<10	<10	6	<10	968	0.58	1.79	53	9.0	-3	55.9
1232007390		1	16	<20	<0.01	<10	<10	6	<10	83	0.09	2.65	11	8.9	-72	82.8
1123016001		1	45	<20	<0.01	<10	<10	8	<10	616	0.64	1.33	60	8.9	18	41.6
1123020101		1	58	<20	0.02	<10	<10	9	<10	152	0.31	0.74	36	9.2	13	23.1
1123016053		1	51	<20	<0.01	<10	<10	8	<10	548	0.46	1.31	45	8.8	4	40.9
1123016020		1	62	<20	0.02	<10	<10	6	<10	391	0.28	1.84	34	8.6	-24	57.5
1123016136		1	48	<20	<0.01	<10	<10	8	<10	1520	0.30	1.82	35	8.8	-22	56.9
1123016122		<1	22	<20	<0.01	<10	<10	5	<10	215	0.68	1.62	58	9.0	7	50.6
1123016033		1	53	<20	<0.01	<10	<10	5	<10	160	0.69	1.73	59	8.8	5	54.1
1123016169		1	72	<20	0.01	<10	<10	8	<10	391	0.32	1.46	34	9.1	-12	45.6
1122003045		<1	24	<20	<0.01	<10	<10	3	<10	257	1.07	2.12	87	9.1	21	66.3
1123016704		<1	24	<20	<0.01	<10	<10	4	<10	366	0.74	1.21	64	8.9	26	37.8
1123020082		<1	48	<20	0.02	<10	<10	5	<10	4300	0.20	1.75	16	9.0	-39	54.7
1122003064		<1	25	<20	<0.01	<10	<10	3	<10	141	0.86	1.83	74	9.0	17	57.2
1122003063		1	29	<20	<0.01	<10	<10	4	<10	520	1.02	2.27	85	9.1	14	70.9
V835517		2	24	<20	0.25	<10	<10	53	<10	34	0.03					
1123014107		<1	16	<20	<0.01	<10	<10	3	<10	848	0.73	1.61	58	8.7	8	50.3
1123014114		<1	16	<20	0.01	<10	<10	4	<10	2130	0.56	1.58	45	8.8	-4	49.4
1123014165		1	10	<20	0.01	<10	<10	6	<10	1045	0.21	2.61	20	8.4	-62	81.6

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124029433		1.48	2
1124029389		0.26	2
1124029716		0.38	2
1124029733		0.72	2
1124029382		0.57	2
1123015079		1.18	2
1123015062		1.38	2
1124029301		0.14	1
1124029741		0.11	1
1124029330		0.13	1
1124028243		0.24	1
1124028205		2.14	2
1123018079		9.75	2
1123018107		6.88	2
1124028224		0.25	1
V835516			
1123017145		1.41	2
1123018998		0.69	1
1123016195		0.87	2
1123016221		0.89	2
1122003012		1.45	2
1122003029		0.95	2
1232007390		0.13	1
1123016001		1.44	2
1123020101		1.56	2
1123016053		1.10	2
1123016020		0.59	2
1123016136		0.62	2
1123016122		1.15	2
1123016033		1.09	2
1123016169		0.75	2
1122003045		1.31	2
1123016704		1.69	2
1123020082		0.29	1
1122003064		1.29	2
1122003063		1.20	2
V835517			
1123014107		1.15	2
1123014114		0.91	2
1123014165		0.25	2

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Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1123014146		0.67		4.61		0.8	1.57	73	<10	20	<0.5	<2	0.48	1.7	8	192
1123014219		0.69		0.440		1.2	0.88	94	<10	30	<0.5	<2	0.98	0.9	8	155
1123006079		0.68		0.086		1.0	3.07	13	<10	90	<0.5	<2	2.85	1.8	21	141
1123006017		0.68		0.045		0.4	1.08	10	<10	60	<0.5	<2	2.13	<0.5	8	190
1123006055		0.67		0.010		0.2	1.30	3	<10	80	<0.5	<2	1.65	<0.5	8	116
1123006072		0.67		0.082		0.7	1.37	8	<10	70	<0.5	<2	1.70	<0.5	7	153
1123014232		0.67		0.564		1.0	1.35	91	<10	20	<0.5	<2	0.40	<0.5	9	158
1123014173		0.68		0.366		0.7	1.21	34	<10	20	<0.5	<2	1.96	1.5	8	160
1123014275		0.66		0.233		2.0	0.57	197	<10	20	<0.5	<2	1.09	9.7	7	173
1123014186		0.68	90.1	0.824		1.4	1.22	79	<10	20	<0.5	<2	0.44	4.0	7	184
1124028163		0.65		0.266		0.8	1.30	170	<10	30	<0.5	<2	2.63	1.0	7	82
V835518		0.06		1.540		9.7	1.04	2	<10	80	<0.5	2	0.62	<0.5	11	9
1123005025		0.48		0.094		0.9	1.88	31	<10	40	<0.5	<2	1.60	<0.5	7	62
1123005102		0.59		0.271		1.8	1.41	13	<10	50	<0.5	<2	2.07	0.5	7	145
1123005100		0.50		0.075		0.7	1.83	25	<10	140	0.6	<2	2.72	0.6	12	170
1123005090		0.66		0.060		0.6	1.34	35	<10	40	<0.5	<2	1.76	<0.5	8	110
1123013017		0.50		3.32		2.9	1.05	205	<10	20	<0.5	<2	0.77	17.3	9	90
1123013034		0.50		0.875		1.9	0.53	62	<10	30	<0.5	<2	2.25	3.3	7	122
1123013004		0.50		1.245		1.3	1.33	156	<10	40	<0.5	<2	1.62	1.7	10	93
1123013057		0.44		1.370		2.7	0.56	78	<10	30	<0.5	<2	2.10	10.9	8	90
1231002096		0.45		0.291		3.0	0.38	105	<10	30	<0.5	2	1.68	2.9	8	104
1123004008		0.48		0.024		<0.2	1.11	4	<10	50	<0.5	<2	1.73	<0.5	7	191
1123004024		0.47		0.026		0.2	1.17	5	<10	80	<0.5	2	1.65	<0.5	9	184
1123013068		0.47		1.015		1.1	1.63	45	<10	40	<0.5	<2	1.06	5.6	10	72
1123004153		0.47		0.041		<0.2	1.07	3	<10	70	<0.5	<2	1.28	<0.5	7	297
1123013023		0.48		0.201		0.6	2.21	41	10	40	<0.5	<2	1.77	<0.5	9	68
1123013093		0.46		0.244		1.5	0.89	80	<10	20	<0.5	<2	1.22	16.4	8	110
1123004001		0.69		0.069		0.4	0.93	5	<10	40	<0.5	<2	1.18	<0.5	9	198
1123004119		0.69		0.036		0.3	1.20	10	<10	30	<0.5	<2	2.01	<0.5	9	167
1231002049		0.69		0.081		2.9	1.20	15	<10	40	<0.5	<2	1.84	1.4	9	150
V835519		0.06		1.905		3.2	0.95	<2	<10	70	<0.5	2	0.45	<0.5	10	14
1124028211		0.52		1.130		3.9	1.66	77	<10	30	<0.5	<2	0.23	0.5	11	51
1124028113		0.48		0.135		1.1	1.38	50	<10	30	<0.5	<2	1.15	11.0	6	85
1124028150		0.47		1.250		2.3	1.50	201	<10	40	<0.5	2	1.08	7.0	7	132
1124028109		0.45		0.488		1.5	1.51	72	<10	30	<0.5	<2	0.95	28.6	7	96
1124028001		0.50		0.238		0.6	1.34	168	<10	20	<0.5	<2	0.42	3.2	9	133
1124029436		0.55		1.650		4.1	1.73	85	<10	40	<0.5	2	0.54	7.1	6	95
1124028108		0.52		0.280		1.1	1.19	54	<10	20	<0.5	<2	1.54	14.4	7	115
1123015053		0.48		0.853		0.7	1.45	52	<10	40	<0.5	<2	2.08	1.7	7	79
1123015005		0.48		0.122		0.4	2.55	43	10	40	<0.5	<2	1.15	0.6	10	63

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1123014146		58	4.01	<10	<1	0.13	10	1.10	766	<1	<0.01	10	400	21	2.51	3
1123014219		55	2.72	<10	<1	0.16	10	0.55	511	1	0.01	12	450	28	2.09	4
1123006079		84	5.31	10	<1	0.49	10	1.33	1000	1	0.19	35	590	5	1.17	5
1123006017		18	2.12	<10	<1	0.22	10	0.73	667	1	0.04	13	410	4	0.99	4
1123006055		18	1.76	<10	<1	0.20	20	0.76	316	1	0.07	11	510	<2	0.16	5
1123006072		30	1.82	<10	<1	0.30	10	0.78	498	1	0.06	11	420	2	0.42	5
1123014232		52	2.80	<10	<1	0.17	10	0.91	566	<1	0.01	12	430	15	1.66	4
1123014173		38	1.83	<10	<1	0.14	10	0.58	700	1	0.07	11	420	36	1.49	4
1123014275		131	2.99	<10	<1	0.17	10	0.35	546	1	0.01	9	390	18	3.01	5
1123014186		74	3.62	<10	<1	0.16	10	0.77	534	<1	<0.01	10	410	34	2.47	3
1124028163		30	2.17	<10	<1	0.27	10	1.11	1350	<1	0.01	11	430	15	1.38	4
V835518		48	2.95	<10	<1	0.20	10	0.42	268	19	0.15	13	620	7	0.06	4
1123005025		34	1.60	<10	<1	0.16	10	1.00	372	1	0.06	8	340	32	0.99	4
1123005102		49	2.01	<10	<1	0.14	10	0.57	562	1	0.10	12	400	7	0.87	4
1123005100		45	2.62	10	<1	0.32	20	1.22	811	1	0.08	21	1100	21	0.96	3
1123005090		20	1.66	<10	<1	0.17	10	0.53	697	1	0.10	10	420	16	0.95	3
1123013017		98	4.11	<10	<1	0.16	10	0.63	597	1	0.01	14	370	185	3.91	5
1123013034		42	2.20	<10	<1	0.26	10	0.61	1455	1	0.01	10	440	76	2.18	5
1123013004		40	2.40	<10	<1	0.22	20	0.66	642	<1	0.03	10	520	83	2.03	5
1123013057		75	2.61	<10	<1	0.23	10	0.60	1625	<1	0.01	11	390	183	2.54	6
1231002096		31	1.41	<10	<1	0.23	10	0.27	811	1	0.01	8	380	493	1.48	3
1123004008		24	2.15	<10	<1	0.12	10	0.62	391	3	0.04	10	430	2	0.24	<2
1123004024		23	2.27	<10	<1	0.27	10	0.80	406	1	0.04	12	460	3	0.45	<2
1123013068		61	2.91	<10	<1	0.18	20	0.98	741	1	0.02	10	550	47	1.84	<2
1123004153		19	2.13	10	<1	0.28	10	0.62	373	1	0.04	9	410	<2	0.19	<2
1123013023		24	2.05	<10	<1	0.17	20	0.97	613	<1	0.07	8	550	27	1.06	<2
1123013093		49	3.16	<10	<1	0.19	10	0.56	729	<1	0.01	9	420	99	2.88	<2
1123004001		62	1.94	<10	<1	0.17	10	0.56	254	2	0.03	10	380	3	0.50	<2
1123004119		55	2.32	<10	<1	0.10	10	0.76	488	<1	0.02	9	410	2	0.45	<2
1231002049		125	1.90	<10	<1	0.23	20	0.71	485	1	0.05	17	470	2	0.60	<2
V835519		267	2.05	<10	<1	0.25	10	0.38	235	13	0.11	12	390	19	0.06	<2
1124028211		39	2.58	<10	<1	0.22	10	1.01	528	<1	0.01	14	360	8	1.22	2
1124028113		66	1.87	<10	<1	0.33	10	0.96	739	<1	0.01	5	390	94	1.09	<2
1124028150		70	4.04	<10	<1	0.45	20	0.85	825	<1	0.01	8	380	59	3.35	3
1124028109		112	2.62	<10	1	0.32	20	1.16	682	<1	0.01	7	450	46	2.22	<2
1124028001		40	3.53	<10	<1	0.24	20	0.74	446	1	0.01	10	420	28	2.26	<2
1124029436		71	2.50	<10	<1	0.71	10	1.41	791	<1	0.01	6	350	695	1.38	3
1124028108		90	1.98	<10	<1	0.25	20	0.95	708	<1	<0.01	6	380	30	1.44	<2
1123015053		27	1.79	<10	1	0.33	10	1.11	1135	<1	0.02	7	420	60	1.26	<2
1123015005		21	2.48	10	<1	0.20	20	0.98	640	<1	0.07	10	590	22	1.02	2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1123014146		<1	7	<20	<0.01	<10	<10	6	<10	468	0.15	2.53	13	8.2	-66	79.1
1123014219		1	13	<20	<0.01	<10	<10	5	<10	252	0.32	2.08	26	8.6	-39	65.0
1123006079		6	101	<20	0.10	<10	<10	116	<10	429	0.78	1.16	67	8.9	31	36.3
1123006017		1	32	<20	0.02	<10	<10	14	<10	85	0.64	0.92	57	9.2	28	28.8
1123006055		1	135	<20	0.02	<10	<10	16	<10	76	0.48	0.13	44	9.3	40	4.1
1123006072		1	37	<20	0.04	<10	<10	17	<10	134	0.46	0.41	45	9.5	32	12.8
1123014232		1	8	<20	<0.01	<10	<10	5	<10	108	0.11	1.51	12	8.8	-35	47.2
1123014173		<1	23	<20	<0.01	<10	<10	4	<10	318	0.57	1.33	47	8.9	5	41.6
1123014275		<1	12	<20	<0.01	<10	<10	3	<10	2160	0.39	3.01	31	8.6	-63	94.1
1123014186		1	7	<20	0.01	<10	<10	5	<10	853	0.14	2.44	13	7.9	-63	76.3
1124028163		1	36	<20	<0.01	<10	<10	6	<10	313	0.90	1.30	75	9.2	34	40.6
V835518		2	22	<20	0.42	<10	<10	73	<10	48	0.03					
1123005025		1	40	<20	<0.01	<10	<10	6	<10	139	0.40	0.98	37	8.3	6	30.6
1123005102		1	80	<20	0.01	<10	<10	10	<10	158	0.70	0.81	49	8.3	24	25.3
1123005100		4	165	<20	0.07	<10	<10	32	<10	232	0.73	0.90	67	9.0	39	28.1
1123005090		1	53	<20	0.01	<10	<10	9	<10	90	0.48	0.92	41	8.7	12	28.8
1123013017		<1	10	<20	<0.01	<10	<10	4	<10	4130	0.22	3.88	21	7.7	-100	121.3
1123013034		<1	20	<20	<0.01	<10	<10	3	<10	842	0.95	2.11	76	9.0	10	65.9
1123013004		1	33	<20	0.01	<10	<10	7	<10	437	0.42	1.91	40	8.7	-20	59.7
1123013057		<1	23	<20	<0.01	<10	<10	3	<10	2800	0.91	2.40	74	8.9	-1	75.0
1231002096		<1	28	<20	<0.01	<10	<10	2	<10	866	0.58	1.31	47	8.7	6	40.9
1123004008		1	30	<20	0.01	<10	<10	12	<10	37	0.57	0.21	48	9.2	41	6.6
1123004024		2	35	<20	0.03	<10	<10	20	<10	54	0.58	0.41	50	9.2	37	12.8
1123013068		1	23	<20	<0.01	<10	<10	10	<10	1375	0.27	1.70	29	8.1	-24	53.1
1123004153		2	23	<20	0.04	<10	<10	22	<10	49	0.43	0.17	37	9.0	32	5.3
1123013023		1	51	<20	<0.01	<10	<10	9	<10	144	0.32	0.98	37	8.9	6	30.6
1123013093		1	13	<20	<0.01	<10	<10	6	<10	4090	0.37	2.91	35	8.0	-56	90.9
1123004001		1	21	<20	0.03	<10	<10	16	<10	27	0.38	0.48	34	8.6	19	15.0
1123004119		1	35	<20	0.01	<10	<10	11	<10	57	0.70	0.42	55	9.2	42	13.1
1231002049		1	35	<20	0.03	<10	<10	16	<10	385	0.52	0.61	46	8.7	27	19.1
V835519		1	20	<20	0.28	<10	<10	44	<10	55	0.02					
1124028211		1	12	<20	<0.01	<10	<10	7	<10	218	0.09	1.09	9	8.8	-25	34.1
1124028113		1	26	<20	0.03	<10	<10	8	<10	2610	0.30	1.07	30	9.1	-3	33.4
1124028150		1	20	<20	0.01	<10	<10	8	<10	1695	0.32	3.30	32	8.6	-71	103.1
1124028109		1	20	<20	0.03	<10	<10	8	<10	6840	0.29	2.13	24	8.8	-43	66.6
1124028001		<1	10	<20	0.01	<10	<10	6	<10	823	0.12	2.09	12	8.1	-53	65.3
1124029436		1	15	<20	0.04	<10	<10	9	<10	1865	0.17	1.30	18	8.9	-23	40.6
1124028108		<1	22	<20	0.01	<10	<10	6	<10	3550	0.48	1.44	41	8.8	-4	45.0
1123015053		1	54	<20	0.01	<10	<10	8	<10	467	0.61	1.18	57	9.0	20	36.9
1123015005		1	42	<20	0.01	<10	<10	13	<10	240	0.17	0.95	26	8.6	-4	29.7

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1123014146		0.16	1
1123014219		0.40	2
1123006079		1.85	2
1123006017		1.98	2
1123006055		10.83	2
1123006072		3.51	2
1123014232		0.25	1
1123014173		1.13	2
1123014275		0.33	2
1123014186		0.17	1
1124028163		1.85	2
V835518			
1123005025		1.21	2
1123005102		1.94	2
1123005100		2.38	2
1123005090		1.43	2
1123013017		0.17	2
1123013034		1.15	2
1123013004		0.67	2
1123013057		0.99	2
1231002096		1.15	2
1123004008		7.31	2
1123004024		3.90	2
1123013068		0.55	2
1123004153		6.96	2
1123013023		1.21	2
1123013093		0.38	2
1123004001		2.27	2
1123004119		4.19	2
1231002049		2.41	2
V835519			
1124028211		0.26	1
1124028113		0.90	2
1124028150		0.31	2
1124028109		0.36	2
1124028001		0.18	1
1124029436		0.44	1
1124028108		0.91	2
1123015053		1.55	2
1123015005		0.88	2

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EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1123015043		0.49		0.604		0.8	1.28	56	<10	40	<0.5	<2	1.34	4.3	7	138
1123015030		0.49		1.020		3.0	1.18	85	<10	30	<0.5	<2	1.90	7.3	7	110
1124028032		0.47		>10.0	14.05	5.4	1.25	134	<10	20	<0.5	2	0.34	23.5	10	107
1123015001		0.53		0.176		0.7	2.08	47	<10	70	<0.5	<2	1.76	0.8	12	115
1124029405		0.55		0.919		3.0	1.01	88	<10	40	<0.5	2	0.66	19.6	7	85
V835520		0.06		6.44		5.0	0.91	<2	<10	50	<0.5	<2	0.60	<0.5	7	11
1122003080		0.48		0.639		4.0	0.78	53	<10	40	<0.5	<2	2.31	9.6	8	126
1123020150		0.44		2.73		1.8	1.14	123	<10	60	<0.5	<2	0.80	17.0	7	204
1123020109		0.46		4.47		1.9	1.04	40	<10	40	<0.5	2	1.63	8.2	6	145
1123020126		0.45		0.201		0.8	1.28	30	<10	30	<0.5	2	1.25	6.2	6	188
1123020185		0.46		0.245		1.6	1.92	54	<10	190	0.5	<2	1.71	19.6	10	169
1123020044		0.45		0.279		3.2	1.37	57	<10	30	<0.5	<2	1.88	2.9	7	139
1123020061		0.45		1.010		2.4	1.40	58	<10	30	<0.5	<2	0.93	11.0	7	116
1122004129		0.45		0.016		<0.2	1.35	4	<10	60	<0.5	<2	2.14	<0.5	8	233
1123016143		0.46		1.615		3.3	2.05	57	<10	100	<0.5	<2	3.24	7.4	12	166
1123020012		0.50		1.545		1.7	0.78	113	<10	60	<0.5	2	1.03	12.4	6	183
1123020029		0.51		5.96		4.4	0.61	167	<10	70	<0.5	<2	0.35	6.1	5	432
1122002019		0.45		0.526		4.5	0.68	34	<10	40	<0.5	3	1.50	3.7	8	127
1232007457		0.46		0.083		0.9	1.12	9	<10	40	<0.5	2	0.86	2.1	9	178
1232007393		0.46	90.4	0.036		0.6	1.22	9	<10	30	<0.5	3	0.42	1.7	7	158
1232007501		0.44		0.526		0.7	0.99	8	<10	40	<0.5	2	1.27	<0.5	8	132
1123020165		0.44		0.200		1.8	1.43	62	<10	20	<0.5	<2	1.50	3.1	6	124
1123016056		0.46		1.020		1.5	1.67	92	<10	40	<0.5	3	0.85	17.7	8	104
1123020197		0.47		0.130		1.1	2.01	50	<10	150	1.0	2	3.53	8.4	14	184
1122005040		0.48		0.035		0.5	2.22	20	<10	60	<0.5	<2	1.59	<0.5	9	140
1122005092		0.46		0.333		0.6	1.78	19	<10	50	<0.5	<2	1.80	<0.5	8	143
1122002175		0.43		0.267		0.7	0.79	29	<10	40	<0.5	<2	2.75	1.8	7	71
V835521		0.06		1.520		9.3	0.95	<2	<10	80	<0.5	<2	0.56	<0.5	11	8
1124028106		0.49		0.320		1.7	1.12	69	<10	20	<0.5	<2	1.05	19.9	6	50
1123014284		0.60		0.303		0.7	1.80	63	<10	30	<0.5	<2	0.95	1.4	10	48
1123014301		0.46		0.328		0.8	2.01	63	10	40	<0.5	<2	1.54	1.2	8	95
1123014001		0.44		0.346		0.8	1.29	75	<10	30	<0.5	<2	1.76	5.1	7	91
1123014020		0.48		0.105		1.5	2.44	20	<10	40	<0.5	4	1.52	0.6	8	83
1123014177		0.63		1.270		0.7	1.24	99	<10	20	<0.5	2	0.68	2.1	8	168
1124028173		0.48		1.375		0.7	1.40	95	<10	30	<0.5	<2	0.52	2.2	8	65
1123018114		0.46		0.022		0.3	2.27	8	<10	130	<0.5	<2	2.83	<0.5	12	149
1123014010		0.52		0.110		0.6	2.41	34	<10	30	<0.5	<2	1.94	5.2	8	84
1123006001		0.67		0.029		0.3	1.04	10	<10	50	<0.5	<2	2.26	<0.5	9	122
1123006052		0.49		0.051		0.4	1.35	6	<10	80	<0.5	<2	1.69	<0.5	7	106
1123006027		0.48		0.155		0.6	2.48	37	<10	50	<0.5	<2	1.86	<0.5	11	80

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EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1123015043		77	2.83	<10	<1	0.30	20	0.79	785	1	0.01	7	430	50	2.12	<2
1123015030		51	2.24	<10	<1	0.25	20	0.82	953	<1	0.01	7	420	145	1.76	<2
1124028032		231	2.85	<10	<1	0.19	10	0.84	407	1	0.01	20	400	17	2.42	<2
1123015001		25	2.70	10	<1	0.23	30	1.06	611	1	0.07	13	920	27	1.66	<2
1124029405		120	2.46	<10	1	0.35	20	0.59	567	<1	0.01	7	390	59	2.27	<2
V835520		39	1.77	<10	<1	0.18	10	0.38	189	18	0.14	10	600	9	0.07	<2
1122003080		60	2.58	<10	1	0.26	10	1.07	2100	1	0.02	11	390	1630	2.73	4
1123020150		135	2.28	<10	<1	0.49	10	0.62	698	<1	0.01	8	400	191	1.86	<2
1123020109		121	1.79	<10	<1	0.36	10	0.74	1220	1	0.01	8	370	100	1.29	<2
1123020126		57	1.81	<10	<1	0.34	10	0.80	720	1	0.01	6	380	94	1.47	<2
1123020185		79	2.87	10	1	0.60	20	1.55	1120	1	0.01	10	790	96	1.47	<2
1123020044		70	1.86	<10	<1	0.35	10	0.94	961	1	0.01	7	410	545	1.50	2
1123020061		85	2.46	<10	<1	0.36	10	1.14	886	<1	<0.01	6	440	141	1.83	<2
1122004129		13	2.08	10	<1	0.15	20	0.73	384	1	0.08	12	410	2	0.36	<2
1123016143		72	2.64	10	1	0.59	20	1.50	1100	1	0.04	26	700	27	1.50	<2
1123020012		94	2.47	<10	<1	0.38	10	0.56	1160	<1	<0.01	7	380	157	2.28	<2
1123020029		163	2.77	<10	<1	0.38	<10	0.32	658	1	0.01	8	240	143	2.43	<2
1122002019		55	2.18	<10	<1	0.19	10	0.48	781	1	0.02	11	410	33	2.24	<2
1232007457		105	2.39	<10	1	0.11	10	0.63	381	4	0.11	11	380	3	2.21	<2
1232007393		28	1.79	<10	<1	0.14	20	0.83	207	1	0.07	10	510	3	1.83	<2
1232007501		222	2.02	<10	<1	0.11	10	0.61	454	3	0.08	9	380	3	1.55	<2
1123020165		27	2.09	<10	<1	0.21	10	0.95	682	1	0.03	8	390	110	1.71	2
1123016056		145	2.78	<10	1	0.33	10	0.76	448	1	0.03	11	370	18	2.32	<2
1123020197		53	3.03	10	<1	0.88	20	2.05	1210	<1	0.02	30	1830	67	1.15	<2
1122005040		26	1.66	<10	<1	0.26	10	0.91	409	1	0.16	16	450	13	0.54	<2
1122005092		18	2.03	10	<1	0.16	10	0.75	415	1	0.13	12	420	8	0.63	<2
1122002175		21	2.03	<10	<1	0.28	10	0.95	1390	1	0.03	9	400	179	1.83	<2
V835521		48	2.86	<10	<1	0.19	10	0.40	262	20	0.14	12	600	8	0.06	<2
1124028106		91	2.45	<10	1	0.28	10	0.68	574	1	0.01	7	350	70	2.08	2
1123014284		31	2.29	<10	<1	0.18	20	0.90	514	1	0.04	9	550	66	1.45	<2
1123014301		23	2.34	<10	<1	0.20	20	0.79	579	<1	0.09	9	530	34	1.49	<2
1123014001		32	2.28	<10	<1	0.27	10	0.94	894	1	0.02	10	400	60	1.56	<2
1123014020		35	2.05	<10	<1	0.22	10	0.57	298	1	0.24	12	430	56	1.84	<2
1123014177		38	2.62	<10	<1	0.14	10	0.85	603	1	0.02	10	420	22	1.71	<2
1124028173		30	2.04	<10	<1	0.22	10	0.96	454	1	0.01	11	390	14	1.08	3
1123018114		23	2.51	10	<1	0.47	10	1.09	638	2	0.15	34	460	6	0.15	<2
1123014010		52	2.00	<10	<1	0.17	10	0.69	559	1	0.21	12	380	28	1.61	3
1123006001		10	2.24	<10	<1	0.21	10	0.77	736	2	0.04	12	400	3	0.92	<2
1123006052		20	1.88	<10	<1	0.34	10	0.68	602	1	0.07	13	410	5	0.36	<2
1123006027		25	2.51	10	<1	0.21	20	0.90	585	<1	0.11	11	530	24	1.43	<2

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1123015043		1	33	<20	<0.01	<10	<10	6	<10	1195	0.40	2.01	39	8.5	-24	62.8
1123015030		1	33	<20	<0.01	<10	<10	5	<10	2170	0.51	1.50	46	8.8	-1	46.9
1124028032		1	13	<20	<0.01	<10	<10	6	<10	5650	0.11	2.39	11	8.1	-64	74.7
1123015001		2	99	<20	0.05	<10	<10	17	<10	263	0.30	1.54	34	8.6	-14	48.1
1124029405		<1	18	<20	0.01	<10	<10	5	<10	4800	0.24	2.28	21	8.8	-50	71.3
V835520		2	24	<20	0.25	<10	<10	52	<10	38	0.02					
1122003080		1	27	<20	<0.01	<10	<10	4	<10	2520	1.09	2.86	85	9.0	-4	89.4
1123020150		1	39	<20	0.01	<10	<10	6	<10	4050	0.27	1.77	26	8.8	-29	55.3
1123020109		1	30	<20	<0.01	<10	<10	5	<10	2060	0.68	1.20	57	9.0	20	37.5
1123020126		1	23	<20	0.01	<10	<10	6	<10	1625	0.35	1.35	33	8.7	-9	42.2
1123020185		2	109	<20	0.04	<10	<10	19	<10	4690	0.50	1.48	49	8.9	3	46.3
1123020044		1	29	<20	0.01	<10	<10	6	<10	921	0.54	1.45	50	9.1	5	45.3
1123020061		1	17	<20	0.01	<10	<10	7	<10	2740	0.27	1.77	27	8.7	-28	55.3
1122004129		1	56	<20	<0.01	<10	<10	15	<10	40	0.65	0.36	57	9.1	46	11.3
1123016143		3	94	<20	0.03	<10	<10	28	<10	1855	0.94	1.48	81	9.1	35	46.3
1123020012		<1	42	<20	<0.01	<10	<10	4	<10	3010	0.56	2.46	44	8.6	-33	76.9
1123020029		<1	87	<20	0.01	<10	<10	4	<10	1500	0.18	2.55	17	8.4	-63	79.7
1122002019		<1	14	<20	<0.01	<10	<10	3	<10	886	0.65	2.13	49	8.6	-18	66.6
1232007457		1	37	<20	<0.01	<10	<10	12	10	542	0.21	2.45	25	8.6	-52	76.6
1232007393		1	21	<20	<0.01	<10	<10	8	<10	313	0.09	1.84	14	8.8	-44	57.5
1232007501		1	28	<20	<0.01	<10	<10	9	<10	56	0.36	1.63	34	8.9	-17	50.9
1123020165		1	25	<20	0.02	<10	<10	6	<10	932	0.37	1.68	36	8.6	-17	52.5
1123016056		1	24	<20	0.01	<10	<10	7	<10	4140	0.16	2.36	20	8.3	-54	73.8
1123020197		6	437	<20	0.09	<10	<10	39	<10	2130	1.06	1.20	88	9.0	51	37.5
1122005040		1	78	<20	0.03	<10	<10	14	<10	74	0.25	0.57	29	9.0	11	17.8
1122005092		1	79	<20	0.01	<10	<10	15	<10	81	0.45	0.62	42	9.0	23	19.4
1122002175		1	28	<20	<0.01	<10	<10	4	<10	401	1.28	1.86	104	9.1	46	58.1
V835521		2	18	<20	0.40	<10	<10	67	<10	48	0.03					
1124028106		<1	18	<20	0.02	<10	<10	5	<10	4930	0.30	2.15	28	9.0	-39	67.2
1123014284		1	33	<20	<0.01	<10	<10	7	<10	407	0.20	1.45	19	8.7	-26	45.3
1123014301		1	49	<20	0.02	<10	<10	9	<10	357	0.29	1.53	31	8.5	-17	47.8
1123014001		1	15	<20	0.01	<10	<10	6	<10	1160	0.53	1.54	47	8.8	-1	48.1
1123014020		1	56	<20	0.02	<10	<10	7	<10	117	0.14	1.69	17	8.8	-36	52.8
1123014177		<1	10	<20	0.01	<10	<10	4	<10	447	0.22	1.70	19	8.5	-34	53.1
1124028173		1	13	<20	0.01	<10	<10	7	<10	546	0.19	1.11	14	8.7	-21	34.7
1123018114		3	151	<20	0.07	<10	<10	39	<10	113	0.75	0.13	68	9.5	64	4.1
1123014010		1	44	<20	0.01	<10	<10	6	<10	1100	0.35	1.67	35	8.6	-17	52.2
1123006001		1	34	<20	0.02	<10	<10	10	<10	66	0.77	0.91	64	8.9	36	28.4
1123006052		2	42	<20	0.04	<10	<10	18	<10	93	0.48	0.33	48	9.4	38	10.3
1123006027		1	58	<20	0.01	<10	<10	13	<10	114	0.30	1.36	36	8.8	-7	42.5

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1123015043		0.62	2
1123015030		0.98	2
1124028032		0.15	1
1123015001		0.71	2
1124029405		0.29	2
V835520			
1122003080		0.95	2
1123020150		0.47	2
1123020109		1.52	2
1123020126		0.78	2
1123020185		1.06	2
1123020044		1.10	2
1123020061		0.49	2
1122004129		5.07	2
1123016143		1.75	2
1123020012		0.57	2
1123020029		0.21	1
1122002019		0.74	2
1232007457		0.33	2
1232007393		0.24	1
1232007501		0.67	2
1123020165		0.69	2
1123016056		0.27	1
1123020197		2.35	2
1122005040		1.63	2
1122005092		2.17	2
1122002175		1.79	3
V835521			
1124028106		0.42	2
1123014284		0.42	1
1123014301		0.65	2
1123014001		0.98	2
1123014020		0.32	1
1123014177		0.36	1
1124028173		0.40	1
1123018114		16.74	2
1123014010		0.67	2
1123006001		2.25	2
1123006052		4.65	2
1123006027		0.85	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1124028144		0.49		0.206		1.7	0.93	117	<10	20	<0.5	<2	1.73	13.1	6	85
V835522		0.06		0.185		1.5	0.83	3	<10	40	<0.5	<2	0.44	<0.5	9	11
1231002100		0.64		0.212		0.7	0.80	40	<10	30	<0.5	<2	2.19	0.6	7	118
1123013002		0.68		1.935		1.0	1.59	87	10	30	<0.5	<2	1.69	0.8	9	79
1123013021		0.69		0.188		0.5	2.22	52	10	30	<0.5	<2	1.62	<0.5	9	51
1123013106		0.67		0.681		2.0	3.02	32	<10	30	<0.5	<2	1.62	<0.5	10	90
1123004157		0.67		0.034		0.3	1.38	8	<10	80	<0.5	<2	2.85	<0.5	12	266
1123011194		0.68		0.029		0.3	0.98	29	<10	40	<0.5	<2	0.95	<0.5	7	198
1123011017		0.67		0.015		0.4	1.37	22	<10	30	<0.5	<2	1.48	<0.5	7	142
1123011025		0.66		0.068		0.3	1.01	7	<10	30	<0.5	<2	1.30	<0.5	8	215
1231002042		0.69		0.142		0.6	1.87	30	10	40	<0.5	<2	1.92	0.8	9	86
1123011010		0.71		1.925		1.5	0.69	35	<10	20	<0.5	2	2.45	2.1	7	120
1123011163		0.69		0.015		0.6	1.22	39	<10	30	<0.5	<2	1.62	<0.5	7	169
1123006117		0.68		0.147		1.1	1.16	10	<10	40	<0.5	<2	2.12	0.6	8	111
1123006132		0.67		0.091		1.0	0.89	8	<10	40	<0.5	<2	2.11	0.5	8	148
1123011005		0.68		0.279		0.9	0.47	30	<10	20	<0.5	<2	1.84	0.7	9	153
1123011119		0.67		0.217		1.0	0.78	34	<10	30	<0.5	<2	2.37	0.5	7	117
1123006098		0.69		0.089		0.7	1.79	7	<10	40	<0.5	<2	1.57	0.5	7	124
1123011149		0.68		0.065		0.4	1.06	6	<10	20	<0.5	<2	1.40	<0.5	7	184
1123011109		0.66		0.014		0.6	0.81	25	<10	30	<0.5	<2	1.37	<0.5	7	136
V835523		0.06		1.875		3.6	0.89	2	<10	70	<0.5	3	0.41	<0.5	9	13
1123009025		0.45		1.450		0.7	0.54	154	<10	40	<0.5	<2	1.65	1.0	9	105
1123009171		0.46		2.59		0.8	1.42	54	<10	30	<0.5	<2	1.05	1.2	9	41
1123009211		0.45		0.566		1.1	1.69	39	<10	40	<0.5	<2	1.68	0.8	9	61
1123009005		0.49		1.565		3.3	0.64	140	<10	30	<0.5	<2	1.75	3.1	8	145
1123009004		0.57		1.365		2.4	0.84	138	<10	40	<0.5	<2	1.02	2.5	9	81
1123009035		0.45		0.279		0.8	0.82	79	<10	40	<0.5	<2	2.26	0.6	9	74
1123005086		0.46		0.018		0.2	1.19	8	<10	50	<0.5	<2	2.18	<0.5	8	203
1123005059		0.50		0.010		0.2	1.14	9	<10	40	<0.5	<2	3.11	<0.5	7	105
1123005032		0.45	79.1	0.027		0.3	1.11	5	<10	70	<0.5	<2	2.30	<0.5	8	161
1231002001		0.52	87.6	0.168		1.8	0.71	50	<10	30	<0.5	<2	1.28	0.8	10	73
1123005207		0.44	86.1	0.045		0.6	1.19	25	<10	30	<0.5	<2	1.68	<0.5	8	115
1231002047		0.46		0.072		1.6	1.45	21	<10	40	<0.5	<2	1.83	0.6	10	109
1123005061		0.49		0.019		0.3	1.19	18	<10	40	<0.5	<2	2.25	2.0	8	161
1231002004		0.53		1.305		2.0	1.16	49	<10	40	<0.5	<2	1.90	1.3	8	95
1231002008		0.48		0.129		0.8	1.94	36	<10	40	<0.5	<2	1.68	0.8	12	101
V835524		0.06		0.196		1.6	0.82	2	<10	40	<0.5	3	0.44	<0.5	9	11
1122004024		0.67		0.195		0.9	1.32	108	<10	30	<0.5	<2	1.70	<0.5	9	93
1123008138		0.67		0.077		1.0	3.49	12	<10	50	<0.5	3	3.29	<0.5	38	101
1123008178		0.67		0.020		0.3	1.50	4	<10	40	<0.5	<2	1.88	<0.5	8	150

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CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1124028144		70	2.29	<10	<1	0.25	10	0.74	805	<1	0.01	7	360	152	2.09	2
V835522		54	2.52	<10	<1	0.20	10	0.35	248	4	0.14	11	500	27	0.04	<2
1231002100		19	1.65	<10	<1	0.18	10	0.57	1120	<1	0.02	8	420	67	1.29	<2
1123013002		32	2.20	<10	<1	0.15	20	0.75	678	1	0.06	9	550	86	1.51	2
1123013021		21	2.11	<10	1	0.16	20	0.93	656	<1	0.08	9	540	30	0.99	<2
1123013106		22	2.25	10	<1	0.13	20	0.88	544	1	0.18	10	570	20	0.88	2
1123004157		53	2.51	<10	<1	0.22	20	1.15	519	2	0.03	25	620	2	0.46	<2
1123011194		15	1.66	<10	<1	0.18	10	0.62	319	<1	0.07	10	360	9	1.04	<2
1123011017		16	1.61	<10	<1	0.12	10	0.70	391	2	0.10	11	360	12	0.60	<2
1123011025		26	2.02	<10	<1	0.10	10	0.62	271	2	0.04	13	430	2	0.52	<2
1231002042		18	2.08	<10	<1	0.26	20	0.79	621	<1	0.12	12	490	22	0.94	2
1123011010		41	1.85	<10	1	0.11	10	0.66	727	1	0.03	10	390	85	1.60	<2
1123011163		14	1.92	<10	<1	0.11	10	0.63	404	1	0.10	12	360	14	1.16	<2
1123006117		36	1.88	<10	<1	0.12	10	0.64	637	1	0.05	14	440	5	0.54	<2
1123006132		23	1.74	<10	<1	0.11	10	0.53	577	1	0.04	16	370	3	0.62	<2
1123011005		51	2.34	<10	1	0.14	<10	0.38	579	1	0.02	13	410	67	2.42	2
1123011119		18	1.88	<10	<1	0.11	10	0.67	572	<1	0.04	9	360	32	1.74	<2
1123006098		55	1.73	10	<1	0.18	20	0.78	425	1	0.13	11	470	4	0.25	<2
1123011149		24	1.99	10	1	0.08	10	0.68	313	<1	0.04	11	400	4	0.36	<2
1123011109		15	1.60	<10	<1	0.15	10	0.53	379	1	0.06	9	360	9	1.23	<2
V835523		271	1.99	<10	<1	0.23	10	0.37	227	13	0.12	13	370	19	0.07	<2
1123009025		57	1.81	<10	<1	0.24	10	0.66	1370	1	0.02	15	380	106	1.64	<2
1123009171		67	2.35	<10	<1	0.17	10	0.57	432	<1	0.04	10	570	67	1.79	<2
1123009211		39	2.37	<10	<1	0.17	20	0.77	653	1	0.06	10	570	32	1.42	2
1123009005		68	2.61	<10	<1	0.21	10	0.66	1560	1	0.02	9	540	397	2.41	2
1123009004		158	2.53	<10	<1	0.28	10	0.38	842	2	0.03	10	550	320	2.42	<2
1123009035		19	2.39	<10	<1	0.22	10	0.64	1000	<1	0.03	10	550	42	2.07	<2
1123005086		22	2.04	<10	<1	0.14	10	0.62	414	1	0.07	13	420	5	0.23	<2
1123005059		24	1.75	<10	<1	0.13	10	0.48	530	1	0.06	9	380	2	0.22	<2
1123005032		10	2.00	<10	<1	0.17	10	0.76	454	1	0.08	12	520	3	0.39	<2
1231002001		19	2.33	<10	<1	0.17	10	0.40	657	1	0.02	12	510	92	2.03	2
1123005207		14	1.48	<10	<1	0.14	10	0.62	445	<1	0.06	11	390	9	0.50	<2
1231002047		41	2.39	10	<1	0.23	10	0.92	549	1	0.06	17	470	11	0.86	<2
1123005061		38	2.06	<10	<1	0.16	10	0.65	524	1	0.06	11	390	3	0.54	<2
1231002004		35	2.25	<10	<1	0.24	10	0.70	830	3	0.04	11	430	113	1.92	<2
1231002008		31	2.84	10	<1	0.25	10	0.86	689	1	0.11	19	540	35	1.22	<2
V835524		50	2.51	<10	<1	0.20	10	0.35	249	4	0.15	11	500	21	0.04	<2
1122004024		28	2.43	<10	<1	0.15	10	0.68	576	1	0.06	13	510	16	1.89	2
1123008138		123	9.39	10	<1	0.20	<10	2.17	1390	1	0.12	54	820	3	1.67	<2
1123008178		22	1.80	10	<1	0.11	20	0.84	376	1	0.09	12	500	<2	0.19	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124028144		<1	22	<20	<0.01	<10	<10	4	<10	3130	0.55	2.01	47	8.5	-16	62.8
V835522		2	18	<20	0.37	<10	<10	56	<10	61	0.02					
1231002100		<1	23	<20	<0.01	<10	<10	4	<10	171	0.67	1.26	56	8.5	17	39.4
1123013002		1	34	<20	<0.01	<10	<10	7	<10	215	0.39	1.56	39	8.6	-10	48.8
1123013021		1	46	<20	0.01	<10	<10	10	<10	112	0.30	0.93	34	8.9	5	29.1
1123013106		1	73	<20	0.01	<10	<10	11	10	137	0.14	0.93	20	8.8	-9	29.1
1123004157		3	64	<20	0.02	<10	<10	29	<10	65	0.96	0.44	72	7.6	58	13.8
1123011194		1	25	<20	0.01	<10	<10	10	<10	105	0.33	1.02	25	9.0	-7	31.9
1123011017		1	45	<20	<0.01	<10	<10	8	<10	96	0.44	0.57	35	9.1	17	17.8
1123011025		1	24	<20	0.02	<10	<10	16	10	33	0.48	0.48	38	8.9	23	15.0
1231002042		1	75	<20	0.04	<10	<10	17	<10	249	0.42	0.97	41	8.8	11	30.3
1123011010		1	35	<20	<0.01	<10	<10	3	<10	515	0.91	1.68	71	9.1	19	52.5
1123011163		1	50	<20	<0.01	<10	<10	8	<10	74	0.50	1.14	39	8.9	3	35.6
1123006117		1	44	<20	0.01	<10	<10	9	<10	203	0.72	0.51	60	8.8	44	15.9
1123006132		1	30	<20	0.01	<10	<10	9	<10	139	0.67	0.57	57	9.1	39	17.8
1123011005		<1	17	<20	<0.01	<10	<10	2	<10	180	0.67	2.62	53	8.7	-29	81.9
1123011119		1	45	<20	<0.01	<10	<10	3	<10	138	0.90	1.71	68	9.1	15	53.4
1123006098		1	71	<20	0.03	<10	<10	13	<10	180	0.34	0.21	34	8.8	27	6.6
1123011149		2	22	<20	0.01	<10	<10	17	<10	31	0.48	0.33	39	9.2	29	10.3
1123011109		1	25	<20	0.01	<10	<10	6	<10	84	0.46	1.19	36	8.3	-1	37.2
V835523		1	19	<20	0.28	<10	<10	42	<10	52	0.03					
1123009025		1	19	<20	<0.01	<10	<10	3	<10	254	0.89	1.57	69	9.0	20	49.1
1123009171		1	21	<20	<0.01	<10	<10	6	<10	305	0.28	1.69	27	8.8	-26	52.8
1123009211		1	28	<20	<0.01	<10	<10	7	<10	220	0.47	1.43	43	9.0	-2	44.7
1123009005		<1	15	<20	<0.01	<10	<10	4	<10	782	0.83	2.35	60	8.5	-13	73.4
1123009004		1	15	<20	<0.01	<10	<10	5	<10	610	0.47	2.48	31	8.6	-47	77.5
1123009035		1	26	<20	<0.01	<10	<10	5	<10	134	0.97	1.99	72	8.5	10	62.2
1123005086		1	47	<20	<0.01	<10	<10	11	<10	69	0.75	0.22	58	9.3	51	6.9
1123005059		1	68	<20	<0.01	<10	<10	6	<10	97	0.96	0.20	78	9.2	72	6.3
1123005032		1	78	<20	0.01	<10	<10	13	<10	57	0.88	0.38	67	9.2	55	11.9
1231002001		<1	16	<20	<0.01	<10	<10	4	<10	216	0.41	1.94	34	8.5	-27	60.6
1123005207		1	29	<20	<0.01	<10	<10	6	<10	75	0.50	0.44	42	9.2	28	13.8
1231002047		1	32	<20	0.05	<10	<10	20	<10	171	0.49	0.76	46	9.1	22	23.8
1123005061		1	65	<20	<0.01	<10	<10	8	<10	528	0.74	0.50	63	9.1	47	15.6
1231002004		1	29	<20	<0.01	<10	<10	7	<10	393	0.56	1.75	48	9.0	-7	54.7
1231002008		2	52	<20	0.03	<10	<10	32	<10	283	0.38	1.15	38	8.8	2	35.9
V835524		2	20	<20	0.38	<10	<10	57	<10	58	0.03					
1122004024		1	32	<20	<0.01	<10	<10	6	<10	108	0.46	1.74	42	8.8	-12	54.4
1123008138		15	101	<20	0.11	<10	<10	242	10	237	1.42	1.59	151	8.4	101	49.7
1123008178		1	48	<20	0.02	<10	<10	17	<10	57	0.55	0.16	50	9.2	45	5.0

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124028144		0.75	2
V835522			
1231002100		1.42	2
1123013002		0.80	2
1123013021		1.17	2
1123013106		0.69	1
1123004157		5.24	2
1123011194		0.78	2
1123011017		1.96	2
1123011025		2.53	2
1231002042		1.35	2
1123011010		1.35	2
1123011163		1.09	2
1123006117		3.76	2
1123006132		3.20	2
1123011005		0.65	2
1123011119		1.27	2
1123006098		5.18	2
1123011149		3.78	2
1123011109		0.97	2
V835523			
1123009025		1.41	2
1123009171		0.51	2
1123009211		0.96	2
1123009005		0.82	2
1123009004		0.40	2
1123009035		1.16	2
1123005086		8.44	2
1123005059		12.48	2
1123005032		5.64	2
1231002001		0.56	2
1123005207		3.05	2
1231002047		1.94	2
1123005061		4.03	2
1231002004		0.88	2
1231002008		1.06	2
V835524			
1122004024		0.77	2
1123008138		3.04	3
1123008178		10.00	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1231005162		0.66		0.021		<0.2	1.77	11	<10	20	<0.5	<2	0.70	<0.5	7	50
1231005202		0.68		0.022		<0.2	2.24	12	<10	30	<0.5	<2	1.49	<0.5	8	68
1123008129		0.67		0.093		1.7	3.70	13	<10	40	<0.5	3	3.55	0.5	42	128
1123018314		0.70		0.468		0.9	0.95	78	<10	20	<0.5	<2	1.42	0.9	7	149
1231005050		0.68		0.046		0.4	2.35	7	10	60	<0.5	<2	1.31	<0.5	13	84
1231005088		0.68		0.021		0.2	1.92	6	10	30	<0.5	<2	0.78	<0.5	10	87
1231005123		0.67		0.094		0.2	2.15	7	<10	40	<0.5	<2	0.98	<0.5	8	63
1231005169		0.68		0.020		0.2	1.96	9	10	30	<0.5	<2	0.73	<0.5	7	33
1231005233		0.67		0.723		1.5	1.65	27	<10	50	<0.5	2	1.18	14.0	8	187
1231005052		0.67		0.015		0.2	1.73	5	10	50	<0.5	<2	0.59	<0.5	9	41
1122004075		0.68		0.142		1.3	1.09	64	<10	30	<0.5	<2	2.84	0.5	7	79
1122004063		0.67		0.008		0.3	1.39	48	<10	30	<0.5	<2	1.59	<0.5	6	252
1123018370		0.67		0.465		1.2	0.90	71	<10	20	<0.5	<2	2.09	0.6	7	198
1123008224		0.67		0.061		0.3	1.14	4	<10	40	<0.5	<2	2.23	<0.5	14	326
1231005041		0.68		0.016		0.2	4.23	5	<10	20	<0.5	<2	2.84	<0.5	24	158
1123008246		0.68		0.102		1.3	3.12	23	<10	60	<0.5	2	4.23	0.6	35	114
1123017029		0.66		0.314		1.2	0.57	49	<10	30	<0.5	<2	2.04	3.9	6	175
V835525		0.06		1.555		9.8	0.93	3	<10	80	<0.5	3	0.56	<0.5	11	9
1123018074		0.52		0.192		1.2	1.68	27	<10	60	<0.5	<2	1.92	<0.5	9	83
1124029701		0.42		0.444		0.9	1.02	205	<10	20	<0.5	<2	0.78	3.8	8	108
1123012131		0.48		0.541		1.8	0.51	29	<10	40	<0.5	<2	2.36	1.8	8	106
1123018048		0.52		0.030		0.5	1.39	8	<10	70	<0.5	2	2.16	<0.5	9	171
1123018056		0.44		0.609		1.0	2.18	38	<10	40	<0.5	<2	1.60	<0.5	9	121
1122004035		0.68		0.039		0.5	0.95	20	<10	40	<0.5	<2	2.33	<0.5	6	61
1123012148		0.51		0.309		1.8	0.62	36	<10	40	<0.5	<2	2.48	1.5	7	106
1123018125		0.68		0.075		0.7	0.85	11	<10	40	<0.5	<2	2.22	0.6	8	182
1123012140		0.46		0.384		2.4	0.56	54	<10	40	<0.5	<2	2.40	1.8	8	117
1123012173		0.50		0.855		2.0	0.56	38	<10	30	<0.5	<2	2.22	3.7	7	105
1123012045		0.49		0.869		2.2	0.57	60	<10	30	<0.5	<2	1.90	3.4	11	87
1123012001		0.67		0.874		3.2	0.61	22	<10	30	<0.5	2	2.67	2.1	8	148
1123012063		0.55		0.361		4.0	0.49	30	<10	30	<0.5	2	2.59	3.3	9	143
1123018087		0.51		0.493		0.6	1.45	69	<10	30	<0.5	<2	1.35	0.5	8	70
1123008120		0.66		0.054		0.9	3.15	13	<10	50	<0.5	2	4.44	0.5	33	132
1123012144		0.69		1.370		4.5	0.41	36	<10	20	<0.5	<2	2.15	1.2	8	225
1123008166		0.69		0.161		0.7	0.77	30	<10	30	<0.5	<2	1.36	1.4	8	204
1123018021		0.68		0.126		1.0	1.34	17	<10	40	<0.5	<2	2.18	0.5	8	155
1123008199		0.68		0.030		0.3	0.88	24	<10	30	<0.5	<2	1.95	1.4	8	134
1123008032		0.67		0.296		1.6	2.53	30	<10	60	<0.5	3	2.74	2.6	28	123
1123008148		0.68		0.108		0.8	1.06	17	<10	40	<0.5	<2	1.74	1.0	9	130
1123008200		0.70	73.8	0.191		0.8	0.96	19	<10	40	<0.5	<2	1.75	3.6	8	115

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1231005162		19	1.72	<10	<1	0.09	10	0.59	264	1	0.04	7	480	24	0.33	<2
1231005202		16	1.71	10	<1	0.13	10	0.62	342	<1	0.07	7	440	12	0.49	<2
1123008129		141	10.15	10	<1	0.15	<10	1.48	1110	2	0.19	63	780	5	2.73	<2
1123018314		25	1.92	<10	<1	0.18	10	0.70	729	1	0.02	9	380	56	1.40	<2
1231005050		30	3.22	10	<1	0.24	10	1.22	1370	<1	0.06	16	1220	4	0.43	<2
1231005088		24	2.18	10	<1	0.13	20	0.88	574	<1	0.03	10	680	9	0.38	<2
1231005123		22	1.80	10	<1	0.13	10	0.73	350	<1	0.05	7	470	12	0.32	<2
1231005169		13	1.91	10	<1	0.14	10	1.09	749	<1	0.02	6	580	10	0.26	<2
1231005233		238	2.24	<10	<1	0.11	10	0.38	311	1	0.15	8	400	13	2.07	<2
1231005052		26	2.11	10	1	0.21	20	0.83	587	<1	0.03	10	530	3	0.31	<2
1122004075		23	1.45	<10	<1	0.13	10	0.70	611	1	0.05	9	360	17	0.69	<2
1122004063		18	1.52	<10	<1	0.13	10	0.66	315	1	0.11	10	370	8	0.40	<2
1123018370		27	1.97	<10	<1	0.20	10	0.64	1090	1	0.02	8	420	90	1.66	<2
1123008224		26	3.12	10	<1	0.09	10	0.88	593	1	0.06	24	470	4	0.61	<2
1231005041		103	4.05	10	<1	0.04	<10	1.85	560	1	0.37	48	240	<2	0.24	3
1123008246		75	8.83	10	<1	0.23	<10	1.61	1650	1	0.14	50	930	5	2.41	<2
1123017029		62	2.18	<10	<1	0.24	10	0.40	983	1	0.02	9	370	13	1.77	3
V835525		49	2.85	<10	1	0.19	10	0.41	266	20	0.14	13	610	8	0.06	<2
1123018074		20	2.38	<10	<1	0.29	10	0.64	664	1	0.16	14	450	45	1.77	<2
1124029701		58	3.00	<10	<1	0.22	10	0.62	439	1	0.01	10	380	33	2.33	<2
1123012131		35	2.03	<10	<1	0.20	<10	0.82	1380	1	0.02	12	400	36	1.97	<2
1123018048		15	2.19	10	<1	0.26	20	0.71	595	1	0.07	15	500	5	0.59	<2
1123018056		27	2.17	10	<1	0.21	10	0.70	571	1	0.14	14	500	32	1.33	<2
1122004035		10	1.48	<10	<1	0.16	10	0.63	433	<1	0.06	14	350	12	1.20	<2
1123012148		23	1.92	<10	<1	0.23	<10	0.83	1650	1	0.02	11	380	135	1.93	<2
1123018125		40	1.97	<10	<1	0.13	10	0.58	684	1	0.03	13	400	3	0.77	<2
1123012140		68	2.02	<10	<1	0.23	<10	0.76	1450	1	0.02	12	410	129	2.06	<2
1123012173		49	1.98	<10	<1	0.24	<10	0.95	1740	1	0.02	11	380	351	1.85	2
1123012045		48	2.12	<10	<1	0.18	<10	0.77	1170	1	0.02	13	410	30	2.13	<2
1123012001		30	2.12	<10	<1	0.15	10	0.37	720	1	0.02	12	420	37	2.14	<2
1123012063		59	2.27	<10	<1	0.17	<10	0.53	1090	1	0.02	13	420	206	2.36	2
1123018087		22	2.00	<10	<1	0.21	10	0.74	807	1	0.03	9	480	31	1.22	<2
1123008120		115	8.98	10	<1	0.23	<10	1.97	1570	1	0.14	55	780	5	1.81	<2
1123012144		42	1.91	<10	<1	0.13	<10	0.72	1420	<1	0.02	12	390	118	1.72	2
1123008166		40	2.21	<10	<1	0.11	10	0.46	429	1	0.03	10	360	3	1.18	<2
1123018021		23	1.94	<10	<1	0.15	10	0.56	639	1	0.10	12	390	27	0.81	2
1123008199		23	2.07	<10	<1	0.13	10	0.54	517	1	0.04	10	390	3	0.78	2
1123008032		101	6.32	10	<1	0.27	10	1.44	1140	2	0.13	38	610	32	1.83	<2
1123008148		49	2.25	<10	<1	0.12	10	0.64	488	1	0.04	9	390	3	0.89	2
1123008200		53	2.19	<10	1	0.16	10	0.51	523	1	0.04	10	370	2	1.02	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1231005162		1	54	<20	<0.01	<10	<10	8	<10	102	0.10	0.32	11	8.4	1	10.0
1231005202		1	93	<20	0.01	<10	<10	7	<10	80	0.22	0.43	26	8.3	13	13.4
1123008129		11	103	<20	0.09	<10	<10	236	<10	279	1.08	2.83	82	8.3	-6	88.4
1123018314		<1	24	<20	<0.01	<10	<10	4	<10	277	0.44	1.38	37	8.2	-6	43.1
1231005050		3	31	<20	0.01	<10	<10	27	<10	72	0.40	0.40	28	8.0	16	12.5
1231005088		1	39	<20	0.01	<10	<10	11	<10	92	0.18	0.36	15	8.1	4	11.3
1231005123		1	73	<20	0.01	<10	<10	9	<10	117	0.08	0.28	11	8.5	2	8.8
1231005169		1	24	<20	<0.01	<10	<10	10	<10	119	0.20	0.22	14	8.0	7	6.9
1231005233		<1	131	<20	<0.01	<10	<10	5	<10	3460	0.19	2.07	18	8.4	-47	64.7
1231005052		1	27	<20	0.01	<10	<10	11	<10	86	0.17	0.29	13	8.2	4	9.1
1122004075		1	40	<20	<0.01	<10	<10	4	<10	116	0.93	0.65	76	9.2	56	20.3
1122004063		1	62	<20	<0.01	<10	<10	8	<10	51	0.68	0.36	37	9.1	26	11.3
1123018370		1	30	<20	<0.01	<10	<10	4	<10	200	0.66	1.49	57	8.6	10	46.6
1123008224		2	78	<20	0.02	<10	<10	43	<10	102	0.92	0.57	74	9.1	56	17.8
1231005041		6	58	<20	0.17	<10	<10	115	<10	72	0.26	0.21	37	8.5	30	6.6
1123008246		11	113	<20	0.08	<10	<10	192	<10	244	1.54	2.34	173	8.2	100	73.1
1123017029		<1	19	<20	<0.01	<10	<10	3	<10	844	0.82	1.64	65	8.7	14	51.3
V835525		2	20	<20	0.42	<10	<10	69	<10	48	0.04					
1123018074		1	109	<20	0.02	<10	<10	16	<10	137	0.45	1.68	46	8.5	-7	52.5
1124029701		<1	12	<20	0.01	<10	<10	5	<10	947	0.26	2.24	23	7.8	-47	70.0
1123012131		<1	22	<20	<0.01	<10	<10	3	<10	448	1.16	1.98	94	8.9	32	61.9
1123018048		1	49	<20	0.03	<10	<10	18	10	76	0.62	0.53	60	9.1	43	16.6
1123018056		1	85	<20	0.02	<10	<10	11	10	107	0.27	1.21	31	8.5	-7	37.8
1122004035		<1	51	<20	<0.01	<10	<10	4	<10	78	0.74	1.15	64	9.1	28	35.9
1123012148		<1	23	<20	<0.01	<10	<10	3	<10	407	1.16	1.78	94	8.7	38	55.6
1123018125		1	39	<20	0.01	<10	<10	13	<10	158	0.77	0.70	64	8.9	42	21.9
1123012140		<1	21	<20	<0.01	<10	<10	3	<10	449	1.15	2.17	93	8.7	25	67.8
1123012173		<1	21	<20	<0.01	<10	<10	3	<10	933	1.19	1.91	88	8.6	28	59.7
1123012045		<1	21	<20	<0.01	<10	<10	3	20	852	0.98	2.22	77	8.4	8	69.4
1123012001		<1	18	<20	<0.01	<10	<10	4	<10	553	0.92	2.04	75	8.5	11	63.8
1123012063		<1	19	<20	<0.01	<10	<10	2	<10	807	1.02	2.32	83	8.0	11	72.5
1123018087		1	27	<20	<0.01	<10	<10	7	<10	144	0.38	1.21	37	8.5	-1	37.8
1123008120		13	101	<20	0.10	<10	<10	225	10	205	1.95	1.93	204	8.5	144	60.3
1123012144		<1	19	<20	<0.01	<10	<10	2	<10	317	1.03	1.68	79	8.3	27	52.5
1123008166		1	29	<20	<0.01	<10	<10	7	<10	348	0.49	1.21	42	8.7	4	37.8
1123018021		1	112	<20	0.03	<10	<10	12	<10	166	0.58	0.79	51	8.8	26	24.7
1123008199		1	42	<20	<0.01	<10	<10	7	<10	376	0.71	0.73	56	9.0	33	22.8
1123008032		7	64	<20	0.07	<10	<10	125	10	654	1.11	1.71	86	8.4	33	53.4
1123008148		1	31	<20	<0.01	<10	<10	10	<10	261	0.58	0.88	48	9.0	21	27.5
1123008200		1	37	<20	<0.01	<10	<10	7	<10	925	0.62	1.04	50	9.0	18	32.5

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1231005162		1.10	1
1231005202		1.93	2
1123008129		0.93	2
1123018314		0.86	2
1231005050		2.24	2
1231005088		1.33	1
1231005123		1.26	1
1231005169		2.04	1
1231005233		0.28	1
1231005052		1.43	1
1122004075		3.74	2
1122004063		3.29	2
1123018370		1.22	2
1123008224		4.15	2
1231005041		5.64	2
1123008246		2.37	3
1123017029		1.27	2
V835525			
1123018074		0.88	2
1124029701		0.33	2
1123012131		1.52	3
1123018048		3.62	2
1123018056		0.82	2
1122004035		1.78	2
1123012148		1.69	3
1123018125		2.93	2
1123012140		1.37	3
1123012173		1.47	2
1123012045		1.11	2
1123012001		1.18	2
1123012063		1.14	2
1123018087		0.98	2
1123008120		3.38	3
1123012144		1.50	2
1123008166		1.11	2
1123018021		2.07	2
1123008199		2.45	2
1123008032		1.61	2
1123008148		1.75	2
1123008200		1.54	2

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EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
V835526		0.06		0.196		1.5	0.80	2	<10	40	<0.5	3	0.43	<0.5	9	11
1123017051		0.67	86.1	1.100		2.2	1.23	51	<10	20	<0.5	<2	1.02	15.2	8	125
1122004097		0.67	85.9	0.087		0.8	1.13	65	<10	40	<0.5	<2	1.94	<0.5	7	146
1122004103		0.67		0.273		0.8	1.13	65	<10	40	<0.5	<2	2.51	<0.5	7	176
1123008250		0.69		0.096		1.3	2.82	16	<10	80	<0.5	2	2.94	9.8	44	219
1122004125		0.68		0.029		0.3	1.45	6	<10	40	<0.5	<2	1.70	<0.5	9	209
1123017044		0.68		0.475		2.0	1.01	101	<10	40	<0.5	<2	0.55	1.1	8	147
1123017100		0.67		0.173		1.0	1.46	33	<10	20	<0.5	<2	1.16	2.5	8	132
1123017125		0.68		0.221		0.7	1.50	39	<10	20	<0.5	<2	0.84	8.2	7	124
1123017164		0.68		1.635		0.9	1.67	34	<10	90	<0.5	<2	1.73	7.0	8	139
1123017086		0.67		0.769		3.0	1.42	115	<10	30	<0.5	<2	0.50	7.8	9	171
1123017189		0.68		0.152		1.2	1.34	45	<10	40	<0.5	<2	0.79	10.3	7	142
1123017219		0.67		0.425		1.3	1.20	89	<10	20	<0.5	<2	1.03	8.1	5	158
1123017241		0.49		0.249		1.3	1.42	49	<10	110	<0.5	<2	1.57	11.8	7	190
1123017069		0.49		0.475		1.8	0.94	120	<10	40	<0.5	<2	0.92	5.3	8	226
1123017062		0.68		0.387		1.0	1.39	106	<10	20	<0.5	<2	1.80	9.4	8	137
1123017172		0.68		0.287		2.9	0.78	149	<10	20	<0.5	2	0.73	14.5	8	127
V835527		0.06		1.920		3.2	0.96	3	<10	70	<0.5	3	0.45	<0.5	9	13
1123002082		0.51		0.034		0.4	1.07	7	<10	40	<0.5	<2	1.19	<0.5	8	167
1123003046		0.49		0.041		0.5	1.50	22	<10	30	<0.5	<2	1.94	<0.5	9	153
1123003041		0.50		0.026		0.2	1.01	3	<10	30	<0.5	<2	1.51	<0.5	7	206
1123009173		0.50		0.349		1.9	0.42	52	<10	20	<0.5	<2	2.07	1.9	8	196
1123002106		0.46		0.015		0.2	1.03	2	<10	70	<0.5	<2	1.71	<0.5	9	220
1123009024		0.48		1.175		3.1	0.44	71	<10	30	<0.5	<2	2.11	5.3	10	143
1123003001		0.48		0.051		0.7	1.10	33	<10	30	<0.5	<2	2.94	<0.5	7	69
1123009015		0.47		0.505		1.6	0.62	31	<10	30	<0.5	<2	2.46	5.2	7	95
1123003016		0.46		0.069		0.4	1.23	7	<10	50	<0.5	<2	1.25	<0.5	8	194
1123009135		0.49		0.432		2.8	0.74	54	<10	30	<0.5	<2	2.12	5.3	8	104
1123009013		0.45		0.805		1.0	0.70	45	<10	20	<0.5	<2	2.52	1.4	7	168
1123009124		0.50		0.416		0.7	0.43	46	<10	20	<0.5	<2	1.59	1.4	9	98
1123003032		0.47		0.043		0.7	1.88	39	<10	40	<0.5	<2	2.16	<0.5	7	132
1123009130		0.45		0.359		1.4	0.60	29	<10	30	<0.5	<2	2.29	1.8	8	85
1123009012		0.52		5.20		1.4	0.88	48	<10	30	<0.5	<2	2.31	6.2	7	100
1123009043		0.52		0.297		1.5	0.80	41	<10	30	<0.5	<2	2.53	6.0	8	105
1123009159		0.48		0.349		2.2	1.13	42	<10	20	<0.5	<2	2.39	1.0	9	120
V835528		0.06		1.565		9.9	1.10	2	<10	80	<0.5	3	0.68	<0.5	12	10

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Finalized Date: 10-JAN-2019
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Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
V835526		50	2.48	<10	<1	0.20	10	0.35	245	4	0.14	11	510	21	0.05	<2
1123017051		70	2.51	<10	1	0.18	10	0.92	583	1	0.02	10	400	29	1.86	<2
1122004097		9	1.48	<10	<1	0.18	10	0.59	496	1	0.06	10	360	17	0.69	<2
1122004103		15	1.60	<10	<1	0.17	10	0.69	529	1	0.06	11	370	33	0.81	<2
1123008250		144	9.16	10	1	0.26	10	1.29	1450	1	0.08	69	750	6	2.21	<2
1122004125		12	2.24	10	1	0.12	10	0.77	350	1	0.08	15	410	4	0.39	<2
1123017044		92	2.41	<10	<1	0.25	10	0.55	373	1	0.02	11	420	21	1.86	2
1123017100		65	1.68	<10	1	0.17	10	0.75	513	1	0.10	9	460	58	1.14	<2
1123017125		42	1.95	<10	1	0.18	10	0.77	436	<1	0.06	8	390	21	1.31	<2
1123017164		40	1.92	<10	<1	0.31	20	1.16	705	1	0.03	11	620	48	1.10	<2
1123017086		245	3.03	<10	1	0.23	20	0.97	507	1	0.01	13	390	18	2.11	<2
1123017189		69	1.98	<10	<1	0.24	10	1.02	523	<1	0.02	8	410	61	1.32	<2
1123017219		51	2.52	<10	<1	0.21	10	1.02	772	1	0.01	8	360	41	1.77	<2
1123017241		71	2.25	<10	1	0.39	20	1.06	792	1	0.02	11	650	64	1.30	<2
1123017069		75	2.21	<10	<1	0.29	10	0.42	408	1	0.02	12	410	14	1.85	<2
1123017062		61	2.43	<10	<1	0.21	10	1.07	896	1	0.01	11	400	16	1.39	<2
1123017172		87	3.03	<10	<1	0.23	10	0.43	403	1	0.01	10	370	57	2.98	<2
V835527		253	2.01	<10	<1	0.24	10	0.37	228	14	0.13	12	360	20	0.07	<2
1123002082		32	2.02	10	<1	0.13	10	0.68	318	<1	0.05	12	400	7	0.42	<2
1123003046		14	2.21	10	<1	0.10	10	0.79	404	<1	0.08	13	440	8	0.60	<2
1123003041		26	1.99	10	<1	0.08	10	0.63	369	1	0.05	13	390	2	0.18	<2
1123009173		53	1.99	<10	<1	0.16	<10	0.67	963	1	0.02	11	380	293	2.05	4
1123002106		42	1.98	10	1	0.19	10	0.67	361	1	0.05	13	490	2	0.20	<2
1123009024		186	2.07	<10	1	0.17	10	0.55	1390	1	0.02	14	420	925	2.05	9
1123003001		15	1.60	<10	<1	0.15	10	0.74	564	<1	0.04	9	360	14	1.25	<2
1123009015		74	2.12	<10	1	0.22	10	0.87	1270	1	0.02	11	400	355	2.00	<2
1123003016		31	2.15	10	<1	0.15	10	0.75	354	1	0.05	12	400	2	0.45	<2
1123009135		47	2.46	<10	<1	0.25	<10	0.80	1360	1	0.03	14	410	549	2.68	2
1123009013		39	2.00	<10	<1	0.14	10	1.12	2170	<1	0.02	11	440	50	1.43	<2
1123009124		35	2.22	<10	<1	0.14	10	0.55	861	1	0.02	12	420	202	2.37	2
1123003032		25	1.75	10	<1	0.19	10	0.92	621	1	0.14	9	350	18	0.61	<2
1123009130		45	2.06	<10	1	0.21	10	0.85	1290	1	0.02	12	420	258	1.83	<2
1123009012		118	2.01	<10	<1	0.21	10	1.11	2150	1	0.02	11	410	151	1.53	<2
1123009043		43	2.46	<10	1	0.19	10	1.16	2330	1	0.02	12	400	281	2.33	<2
1123009159		64	2.25	<10	<1	0.18	10	0.78	951	<1	0.04	13	410	110	2.24	2
V835528		51	3.09	<10	<1	0.21	10	0.44	286	20	0.17	14	620	8	0.06	<2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
V835526		2	20	<20	0.37	<10	<10	56	<10	56	0.02					
1123017051		1	22	<20	0.02	<10	<10	7	<10	3690	0.30	1.81	27	8.7	-30	56.6
1122004097		1	31	<20	<0.01	<10	<10	5	<10	77	0.59	0.69	53	8.4	31	21.6
1122004103		1	45	<20	<0.01	<10	<10	6	<10	136	0.79	0.82	67	9.1	41	25.6
1123008250		13	73	<20	0.13	<10	<10	226	<10	2370	0.95	2.05	81	8.3	17	64.1
1122004125		2	50	<20	0.01	<10	<10	21	<10	43	0.50	0.36	45	9.1	34	11.3
1123017044		1	10	<20	<0.01	<10	<10	5	<10	261	0.18	1.95	17	8.7	-44	60.9
1123017100		1	32	<20	0.02	<10	<10	6	<10	639	0.26	1.13	26	8.3	-9	35.3
1123017125		<1	29	<20	0.02	<10	<10	6	<10	2050	0.13	1.21	16	8.6	-22	37.8
1123017164		2	81	<20	0.04	<10	<10	13	<10	1735	0.41	1.04	41	8.3	9	32.5
1123017086		1	12	<20	0.01	<10	<10	7	<10	1890	0.14	2.03	16	8.5	-47	63.4
1123017189		1	28	<20	0.04	<10	<10	8	<10	2580	0.17	1.27	17	8.7	-23	39.7
1123017219		<1	18	<20	0.01	<10	<10	5	<10	1950	0.31	1.75	31	8.4	-24	54.7
1123017241		2	86	<20	0.05	<10	<10	14	<10	2750	0.44	1.23	44	8.8	6	38.4
1123017069		<1	13	<20	<0.01	<10	<10	5	<10	1250	0.30	1.89	26	8.5	-33	59.1
1123017062		1	24	<20	0.02	<10	<10	7	<10	2280	0.57	1.32	49	8.6	8	41.3
1123017172		<1	13	<20	<0.01	<10	<10	3	<10	3480	0.25	3.14	22	8.2	-76	98.1
V835527		2	21	<20	0.29	<10	<10	43	<10	53	0.02					
1123002082		2	23	<20	0.02	<10	<10	20	<10	71	0.39	0.42	35	8.8	22	13.1
1123003046		1	63	<20	0.01	<10	<10	18	<10	75	0.58	0.59	50	8.6	32	18.4
1123003041		2	29	<20	0.01	<10	<10	18	<10	33	0.52	0.16	46	9.1	41	5.0
1123009173		<1	21	<20	<0.01	<10	<10	2	<10	459	1.01	1.98	77	8.2	15	61.9
1123002106		2	37	<20	0.03	<10	<10	19	<10	44	0.58	0.20	49	8.9	43	6.3
1123009024		<1	21	<20	<0.01	<10	<10	4	<10	1440	0.98	2.05	73	8.3	9	64.1
1123003001		1	79	<20	<0.01	<10	<10	4	<10	86	0.96	1.12	78	8.7	43	35.0
1123009015		<1	25	<20	<0.01	<10	<10	3	<10	1175	1.22	2.05	89	8.5	25	64.1
1123003016		2	23	<20	0.02	<10	<10	19	<10	30	0.39	0.42	37	9.3	24	13.1
1123009135		1	25	<20	<0.01	<10	<10	4	<10	1470	0.97	2.73	77	9.0	-8	85.3
1123009013		1	32	<20	<0.01	<10	<10	5	<10	373	1.23	1.38	86	8.5	43	43.1
1123009124		<1	15	<20	<0.01	<10	<10	2	<10	342	0.73	2.32	58	8.2	-15	72.5
1123003032		1	66	<20	0.02	<10	<10	10	<10	84	0.54	0.60	46	9.0	27	18.8
1123009130		<1	20	<20	<0.01	<10	<10	3	<10	460	1.10	1.73	81	8.8	27	54.1
1123009012		1	34	<20	<0.01	<10	<10	5	<10	1540	1.17	1.44	81	8.6	36	45.0
1123009043		<1	36	<20	<0.01	<10	<10	4	<10	1545	1.24	2.26	86	8.3	15	70.6
1123009159		1	27	<20	<0.01	<10	<10	5	<10	296	0.80	2.17	69	8.7	1	67.8
V835528		2	24	<20	0.46	<10	<10	76	<10	50	0.03					

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
V835526			
1123017051		0.48	2
1122004097		2.46	2
1122004103		2.61	2
1123008250		1.26	2
1122004125		4.00	2
1123017044		0.28	1
1123017100		0.74	2
1123017125		0.42	1
1123017164		1.26	2
1123017086		0.25	1
1123017189		0.43	1
1123017219		0.57	2
1123017241		1.14	2
1123017069		0.44	2
1123017062		1.19	2
1123017172		0.22	2
V835527			
1123002082		2.67	2
1123003046		2.71	2
1123003041		9.20	2
1123009173		1.24	2
1123002106		7.84	2
1123009024		1.14	2
1123003001		2.23	2
1123009015		1.39	2
1123003016		2.82	2
1123009135		0.90	2
1123009013		1.99	2
1123009124		0.80	2
1123003032		2.45	2
1123009130		1.50	2
1123009012		1.80	2
1123009043		1.22	2
1123009159		1.02	2
V835528			

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
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CERTIFICATE OF ANALYSIS TB18315376

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

CERTIFICATE TB18315377

Project: Mine Site Lab Pulps Nov 2018

P.O. No.: 4500023138

This report is for 132 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-DEC-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1124025001		0.46	86.7	0.373		1.0	1.44	45	<10	30	<0.5	<2	1.36	2.1	8	125
1124025119		0.46		0.158		0.5	1.03	42	<10	20	<0.5	<2	1.65	<0.5	5	85
1123002091		0.50		0.032		<0.2	1.10	5	<10	60	<0.5	<2	1.45	<0.5	8	189
1123002001		0.47		0.017		0.4	0.96	19	10	30	<0.5	<2	2.88	<0.5	6	64
1123002014		0.49		0.026		0.3	1.18	35	<10	40	<0.5	<2	2.70	0.5	6	70
1123002032		0.49		0.056		0.9	1.21	42	<10	40	<0.5	<2	1.53	<0.5	6	91
1123003100		0.52		0.024		0.5	1.28	38	<10	50	<0.5	<2	1.56	<0.5	6	140
1123002040		0.49		0.141		1.1	1.30	35	<10	30	<0.5	<2	1.01	<0.5	7	101
1123009007		0.47		2.73		2.1	0.61	57	<10	30	<0.5	<2	1.94	1.8	10	167
1123002067		0.46		0.049		0.2	1.14	5	<10	40	<0.5	<2	1.75	<0.5	9	238
1123002039		0.50		0.061		1.1	1.47	33	10	30	<0.5	<2	1.54	<0.5	7	168
1123003130		0.52		0.256		1.0	1.05	135	<10	30	<0.5	2	1.88	<0.5	9	117
1123003080		0.50		0.046		0.5	0.94	26	<10	30	<0.5	2	2.94	<0.5	6	112
1123009008		0.36		0.652		1.1	0.59	31	<10	40	<0.5	<2	2.26	1.6	9	164
1123002037		0.44		0.070		0.7	1.02	51	<10	30	<0.5	<2	2.66	<0.5	6	100
1123003119		0.50		0.055		0.3	1.09	4	<10	40	<0.5	2	1.51	<0.5	7	106
V835509		0.06		0.176		1.3	0.76	2	<10	40	<0.5	<2	0.40	<0.5	9	10
1124012122		0.47		0.018		0.2	1.10	30	<10	30	<0.5	<2	1.54	<0.5	7	125
1124019165		0.43		0.017		0.2	1.74	4	<10	130	<0.5	<2	1.65	<0.5	11	136
1124019104		0.42		0.797		0.8	2.52	23	<10	130	<0.5	<2	2.48	<0.5	16	97
1124021043		0.55		0.923		1.3	0.95	100	<10	30	<0.5	2	0.82	2.7	7	68
1124019141		0.48		0.751		1.0	1.21	53	<10	30	<0.5	<2	1.70	2.7	6	72
1124021017		0.40		0.960		1.3	1.34	70	<10	30	<0.5	<2	0.99	9.2	8	92
1124013001		0.53		0.147		0.4	1.15	7	<10	40	<0.5	<2	1.90	<0.5	8	114
1124019103		0.50		0.058		0.5	1.68	13	<10	110	<0.5	<2	2.06	<0.5	12	154
1124021001		0.55		0.662		1.3	1.26	79	<10	20	<0.5	<2	0.91	10.7	9	111
1124012064		0.61		0.144		0.6	1.02	5	<10	30	<0.5	3	1.57	<0.5	7	92
1124019060		0.53		0.491		0.7	1.32	37	<10	30	<0.5	<2	1.20	6.0	7	77
1124012094		0.44		0.049		0.3	1.15	13	<10	50	<0.5	<2	1.18	<0.5	8	157
1124012085		0.51		0.175		0.8	1.16	44	<10	30	<0.5	2	2.14	<0.5	7	75
1124013174		0.66		0.010		0.2	1.22	2	<10	100	<0.5	<2	2.40	<0.5	9	101
1124021024		0.51		1.025		1.1	0.84	115	<10	20	<0.5	<2	0.60	0.5	8	108
1124012104		0.51		0.143		0.5	1.16	12	<10	40	<0.5	3	1.56	<0.5	9	104
1124021002		0.54		0.876		1.1	1.41	90	<10	20	<0.5	<2	0.56	2.0	8	75
1124019110		0.45		0.429		1.0	1.34	62	<10	30	<0.5	<2	1.42	2.0	6	78
1124012111		0.48		0.009		0.4	1.10	22	<10	40	<0.5	<2	1.59	<0.5	6	112
1124012029		0.49		0.026		<0.2	1.15	6	<10	30	<0.5	<2	1.37	<0.5	8	162
V835510		0.06		0.209		1.4	0.80	2	<10	40	<0.5	<2	0.42	<0.5	9	12
1124015176		0.49		0.070		0.3	2.10	9	<10	50	<0.5	<2	4.12	<0.5	18	82
1124018094		0.48		0.711		2.1	1.06	60	<10	20	<0.5	2	1.24	13.0	8	95

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1124025001		78	1.98	<10	<1	0.21	10	0.65	549	1	0.11	12	470	67	1.50	<2
1124025119		16	1.60	<10	<1	0.19	10	0.71	685	<1	0.02	7	390	51	1.42	<2
1123002091		24	2.06	<10	<1	0.16	10	0.65	353	2	0.05	14	400	3	0.27	<2
1123002001		17	1.52	<10	<1	0.14	10	0.65	418	1	0.04	8	340	13	1.23	<2
1123002014		10	1.39	<10	<1	0.20	10	0.70	510	<1	0.04	8	350	5	0.65	<2
1123002032		12	1.44	<10	<1	0.17	10	0.57	426	1	0.07	10	390	13	0.59	<2
1123003100		14	1.49	<10	<1	0.17	10	0.65	380	1	0.10	9	350	14	0.92	<2
1123002040		11	1.49	<10	<1	0.16	10	0.56	371	<1	0.09	10	360	8	0.64	<2
1123009007		40	2.45	<10	<1	0.16	10	0.78	1410	1	0.02	15	450	199	1.78	<2
1123002067		22	2.21	<10	<1	0.10	20	0.69	379	1	0.05	13	410	2	0.52	<2
1123002039		13	1.59	<10	<1	0.15	10	0.61	496	1	0.10	10	350	14	0.50	<2
1123003130		24	2.38	<10	<1	0.15	20	0.63	587	1	0.03	10	440	20	1.95	<2
1123003080		12	1.59	<10	<1	0.12	10	0.72	671	<1	0.03	7	340	20	1.14	<2
1123009008		47	2.09	<10	<1	0.16	10	0.65	1340	1	0.02	12	440	224	1.56	3
1123002037		10	1.40	<10	<1	0.16	10	0.59	601	<1	0.04	8	360	14	0.60	<2
1123003119		16	1.94	<10	<1	0.09	20	0.66	282	<1	0.04	10	410	2	0.52	<2
V835509		50	2.39	<10	<1	0.19	10	0.33	236	4	0.13	10	490	21	0.04	<2
1124012122		13	1.54	<10	<1	0.13	10	0.60	288	1	0.08	9	330	8	0.95	<2
1124019165		13	2.23	10	<1	0.48	20	0.91	533	1	0.11	18	560	3	0.29	<2
1124019104		27	3.65	10	<1	0.51	20	0.96	724	1	0.18	25	600	18	1.51	<2
1124021043		55	2.67	<10	<1	0.20	10	0.58	554	1	0.01	10	410	22	2.04	2
1124019141		22	1.85	<10	<1	0.23	20	0.92	837	<1	0.02	7	370	56	1.59	2
1124021017		56	2.41	<10	<1	0.25	10	0.86	617	1	0.03	11	420	73	1.77	<2
1124013001		95	2.23	<10	<1	0.10	10	0.61	364	1	0.04	10	410	3	0.41	<2
1124019103		25	3.63	10	<1	0.51	10	0.93	787	1	0.10	25	540	9	1.25	<2
1124021001		77	2.61	<10	<1	0.18	10	0.92	629	1	0.01	11	430	38	1.82	<2
1124012064		35	1.90	<10	<1	0.09	10	0.52	284	1	0.04	8	380	4	0.59	<2
1124019060		33	1.70	<10	<1	0.22	20	0.86	597	<1	0.02	8	370	49	1.17	<2
1124012094		12	1.97	<10	<1	0.20	10	0.70	289	1	0.05	13	410	4	0.59	<2
1124012085		33	1.68	<10	<1	0.13	10	0.81	531	1	0.04	8	370	12	1.02	2
1124013174		22	2.00	<10	<1	0.18	20	0.84	424	1	0.03	20	530	2	0.21	<2
1124021024		36	2.71	<10	<1	0.17	10	0.49	415	1	0.01	11	430	24	2.09	3
1124012104		26	2.46	<10	<1	0.12	20	0.71	304	<1	0.04	12	400	<2	1.03	<2
1124021002		65	2.79	<10	<1	0.20	10	0.97	589	1	0.01	11	420	38	1.61	<2
1124019110		22	1.70	<10	<1	0.21	20	0.87	731	1	0.03	7	360	57	1.46	2
1124012111		13	1.56	<10	<1	0.15	10	0.59	293	<1	0.08	9	350	7	1.09	<2
1124012029		42	2.05	<10	<1	0.10	10	0.54	307	1	0.04	9	390	2	0.28	<2
V835510		52	2.48	<10	1	0.20	10	0.34	244	4	0.14	12	500	27	0.04	<2
1124015176		51	5.32	10	<1	0.13	10	1.92	863	1	0.09	29	560	5	0.71	<2
1124018094		89	2.51	<10	<1	0.20	20	0.80	564	<1	0.01	8	390	45	2.09	3

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124025001		1	55	<20	0.01	<10	<10	10	<10	626	0.38	1.49	32	9.0	-15	46.6
1124025119		<1	23	<20	<0.01	<10	<10	4	<10	78	0.48	1.37	42	9.0	-1	42.8
1123002091		2	29	<20	0.02	<10	<10	19	<10	43	0.46	0.27	43	9.5	35	8.4
1123002001		1	86	<20	<0.01	<10	<10	4	<10	62	0.87	1.21	76	9.2	38	37.8
1123002014		1	48	<20	<0.01	<10	<10	4	<10	83	0.84	0.66	74	9.4	53	20.6
1123002032		1	38	<20	<0.01	<10	<10	6	<10	68	0.43	0.59	40	9.3	22	18.4
1123003100		1	54	<20	<0.01	<10	<10	7	<10	87	0.46	0.89	39	9.1	11	27.8
1123002040		1	35	<20	<0.01	<10	<10	7	<10	54	0.24	0.60	26	9.3	7	18.8
1123009007		1	24	<20	0.01	<10	<10	8	<10	479	0.87	1.66	71	9.1	19	51.9
1123002067		1	30	<20	0.01	<10	<10	17	<10	52	0.53	0.48	49	9.2	34	15.0
1123002039		1	43	<20	<0.01	<10	<10	7	<10	70	0.38	0.47	38	9.3	23	14.7
1123003130		1	28	<20	<0.01	<10	<10	5	<10	112	0.64	1.95	54	8.7	-7	60.9
1123003080		1	68	<20	<0.01	<10	<10	4	<10	133	1.02	1.15	83	9.2	47	35.9
1123009008		1	27	<20	<0.01	<10	<10	6	<10	476	0.89	1.45	74	9.1	29	45.3
1123002037		1	52	<20	<0.01	<10	<10	4	<10	62	0.82	0.59	71	9.3	53	18.4
1123003119		1	27	<20	0.01	<10	<10	15	<10	29	0.47	0.46	43	9.2	29	14.4
V835509		2	18	<20	0.36	<10	<10	55	<10	56	0.02					
1124012122		1	42	<20	<0.01	<10	<10	6	<10	46	0.47	0.85	40	9.1	13	26.6
1124019165		2	82	<20	0.07	<10	<10	36	<10	97	0.43	0.27	45	9.7	37	8.4
1124019104		4	186	<20	0.09	<10	<10	70	<10	160	0.54	1.46	56	9.0	10	45.6
1124021043		<1	10	<20	<0.01	<10	<10	4	<10	666	0.24	2.10	24	8.8	-42	65.6
1124019141		1	32	<20	0.01	<10	<10	6	<10	750	0.51	1.55	45	8.9	-3	48.4
1124021017		1	15	<20	0.01	<10	<10	5	10	2000	0.27	1.80	30	8.9	-26	56.3
1124013001		1	31	<20	0.01	<10	<10	13	<10	38	0.65	0.39	52	9.3	40	12.2
1124019103		4	148	<20	0.09	<10	<10	80	<10	147	0.66	1.23	58	9.0	20	38.4
1124021001		1	15	<20	0.02	<10	<10	7	10	2420	0.25	1.84	27	8.8	-31	57.5
1124012064		1	26	<20	<0.01	<10	<10	9	<10	32	0.54	0.58	44	9.5	26	18.1
1124019060		1	28	<20	0.02	<10	<10	7	<10	1520	0.27	1.15	30	9.1	-6	35.9
1124012094		2	27	<20	0.03	<10	<10	20	<10	39	0.39	0.55	38	9.4	21	17.2
1124012085		1	40	<20	<0.01	<10	<10	5	<10	74	0.78	1.00	63	9.1	32	31.3
1124013174		2	62	<20	0.02	<10	<10	19	<10	74	0.78	0.20	64	9.4	58	6.3
1124021024		<1	9	<20	<0.01	<10	<10	4	<10	142	0.17	2.08	22	8.6	-43	65.0
1124012104		1	26	<20	0.01	<10	<10	15	<10	32	0.51	1.00	48	9.0	17	31.3
1124021002		1	11	<20	0.02	<10	<10	6	<10	575	0.14	1.58	23	8.8	-26	49.4
1124019110		1	35	<20	0.01	<10	<10	5	<10	586	0.37	1.45	39	9.0	-6	45.3
1124012111		1	43	<20	<0.01	<10	<10	5	<10	36	0.49	1.08	45	9.0	11	33.8
1124012029		1	23	<20	0.01	<10	<10	13	<10	27	0.46	0.29	41	9.5	32	9.1
V835510		2	19	<20	0.37	<10	<10	57	<10	59	0.01					
1124015176		8	97	<20	0.05	<10	<10	104	20	108	2.06	0.70	182	9.0	160	21.9
1124018094		<1	17	<20	0.01	<10	<10	5	20	3090	0.36	2.13	40	8.7	-27	66.6

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124025001		0.69	2
1124025119		0.98	2
1123002091		5.10	2
1123002001		2.01	2
1123002014		3.59	2
1123002032		2.17	2
1123003100		1.40	2
1123002040		1.39	2
1123009007		1.37	2
1123002067		3.27	2
1123002039		2.59	2
1123003130		0.89	2
1123003080		2.31	2
1123009008		1.63	2
1123002037		3.85	2
1123003119		2.99	2
V835509			
1124012122		1.51	2
1124019165		5.33	2
1124019104		1.23	2
1124021043		0.37	2
1124019141		0.93	2
1124021017		0.53	2
1124013001		4.27	2
1124019103		1.51	2
1124021001		0.47	2
1124012064		2.43	2
1124019060		0.83	2
1124012094		2.21	2
1124012085		2.02	2
1124013174		10.24	2
1124021024		0.34	2
1124012104		1.54	2
1124021002		0.47	2
1124019110		0.86	2
1124012111		1.33	2
1124012029		4.52	2
V835510			
1124015176		8.32	3
1124018094		0.60	2

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EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1124018077		0.48		0.320		2.5	1.44	44	<10	20	<0.5	<2	1.18	4.3	10	80
1124018075		0.50		0.142		0.9	1.12	49	<10	20	<0.5	2	0.66	8.5	5	83
1124018028		0.47		1.715		4.3	1.22	70	<10	20	<0.5	2	1.92	10.5	8	63
1124018007		0.48		1.800		1.4	1.37	39	<10	120	0.8	<2	2.57	4.5	10	88
1124013169		0.51		0.205		0.2	1.14	6	<10	60	<0.5	<2	1.19	0.6	9	159
1124013192		0.51		0.023		0.2	1.28	7	<10	50	<0.5	<2	2.32	<0.5	9	138
1124021052		0.50		1.115		1.0	1.13	81	<10	30	<0.5	<2	0.41	<0.5	8	97
1124021054		0.48		0.704		1.3	1.18	116	<10	30	<0.5	3	0.53	1.3	9	70
1124013163		0.49		0.052		0.2	1.21	4	<10	40	<0.5	<2	1.55	<0.5	8	96
1124013172		0.47	67.6	0.027		<0.2	1.19	3	<10	50	<0.5	2	1.85	<0.5	8	104
1124013101		0.48	78.8	0.012		<0.2	1.07	4	<10	40	<0.5	<2	1.60	<0.5	6	207
1124021118		0.52	85.6	1.405		1.7	0.51	92	<10	20	<0.5	2	2.38	5.5	8	91
1124013024		0.73		0.019		0.2	1.00	3	<10	30	<0.5	<2	1.51	<0.5	8	144
1124021115		0.54		1.225		1.5	1.06	68	<10	20	<0.5	2	0.77	9.5	8	97
1124013120		0.60		0.084		0.4	1.06	9	<10	30	<0.5	<2	1.35	<0.5	10	109
1124021127		0.56		0.306		1.2	1.47	55	<10	30	<0.5	2	1.97	18.7	9	69
V835511		0.06		0.943		2.3	1.14	<2	<10	90	<0.5	<2	0.70	<0.5	14	8
1123001234		0.49		0.849		1.3	1.20	97	<10	30	<0.5	<2	2.18	0.7	11	76
1124027032		0.67		0.159		2.6	0.47	82	<10	20	<0.5	2	1.93	12.8	8	144
1124027064		0.51		0.604		1.2	0.67	151	<10	40	<0.5	<2	0.51	3.8	7	124
1124027001		0.49		0.361		1.3	0.55	126	<10	20	<0.5	2	1.34	10.0	7	132
1124025126		0.49		0.264		0.7	0.38	44	<10	30	<0.5	<2	2.51	0.7	8	120
1124027088		0.52		2.67		2.1	0.96	111	<10	30	<0.5	2	0.33	4.6	8	81
1123001117		0.48		1.290		1.1	1.40	54	<10	50	<0.5	<2	1.56	3.8	9	70
1123001180		0.49		1.020		1.5	0.99	47	<10	30	<0.5	<2	2.41	5.1	8	94
1124025107		0.48		0.699		0.6	0.42	58	<10	20	<0.5	<2	2.18	<0.5	6	82
1124026208		0.49		0.140		0.9	1.81	29	<10	40	<0.5	<2	3.10	1.6	12	145
1124026020		0.49		0.098		0.6	2.98	15	<10	100	<0.5	<2	2.78	<0.5	25	148
1124026029		0.50		0.303		3.9	3.18	46	<10	90	<0.5	<2	4.71	2.4	39	89
1123001198		0.44		>10.0	19.30	2.4	0.72	143	<10	30	<0.5	<2	2.33	1.4	11	59
1123001111		0.48		3.46		6.2	0.45	61	<10	40	<0.5	<2	2.35	3.7	12	172
1124026116		0.51		0.013		<0.2	1.69	3	<10	60	<0.5	2	2.89	<0.5	12	128
1124027074		0.52		0.290		1.0	0.72	110	<10	30	<0.5	<2	1.22	2.0	8	131
1124026119		0.55		0.092		0.9	1.97	22	<10	70	<0.5	<2	2.96	0.7	14	123
1123001157		0.53		0.793		7.3	1.36	83	<10	40	<0.5	<2	2.83	0.8	10	88
V835512		0.06		1.135		4.5	0.33	<2	<10	20	<0.5	2	0.37	<0.5	4	5
1124012008		0.53		0.018		0.3	1.12	28	<10	30	<0.5	2	2.36	<0.5	7	126
1124012018		0.35		0.209		0.7	1.27	4	<10	50	<0.5	<2	1.88	<0.5	9	266
1124012051		0.43		0.038		0.4	1.34	37	<10	40	<0.5	<2	2.42	<0.5	7	108
1124012004		0.47		0.091		0.6	1.09	43	<10	30	<0.5	<2	2.26	<0.5	7	139

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EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1124018077		61	1.77	<10	<1	0.20	20	0.91	659	1	0.02	7	380	128	1.15	3
1124018075		38	2.25	<10	<1	0.20	10	0.76	474	1	0.01	8	380	22	1.58	2
1124018028		185	2.11	<10	<1	0.24	20	0.90	997	1	0.02	8	370	412	1.89	4
1124018007		83	2.56	<10	1	0.72	30	1.34	963	<1	0.01	16	1170	99	1.68	3
1124013169		28	2.19	<10	<1	0.23	10	0.64	349	1	0.04	9	370	<2	0.56	<2
1124013192		22	2.33	<10	<1	0.13	20	0.75	402	1	0.04	12	550	<2	0.14	<2
1124021052		32	2.41	<10	<1	0.19	10	0.71	445	2	0.01	11	410	23	1.60	2
1124021054		39	2.26	<10	<1	0.19	10	0.65	388	<1	0.02	12	430	18	1.74	<2
1124013163		19	2.17	<10	<1	0.15	10	0.75	409	<1	0.04	10	370	3	0.39	<2
1124013172		15	2.03	<10	<1	0.20	10	0.79	471	1	0.04	12	440	2	0.35	<2
1124013101		33	1.94	<10	<1	0.13	10	0.61	378	1	0.04	11	410	2	0.19	<2
1124021118		62	2.16	<10	<1	0.15	10	0.64	1720	1	0.01	11	420	52	1.81	<2
1124013024		13	1.85	<10	<1	0.12	10	0.62	359	1	0.03	13	390	2	0.15	<2
1124021115		103	3.04	<10	<1	0.16	10	0.70	667	<1	0.01	13	440	36	2.19	<2
1124013120		48	2.36	<10	<1	0.08	10	0.60	352	1	0.03	10	390	2	0.76	<2
1124021127		95	2.43	<10	1	0.15	10	0.58	734	1	0.14	12	410	95	2.37	<2
V835511		58	3.20	<10	<1	0.28	10	0.53	304	11	0.10	17	740	7	0.08	<2
1123001234		31	2.24	<10	<1	0.16	10	0.82	572	1	0.02	11	450	43	1.74	<2
1124027032		93	2.36	<10	<1	0.20	10	0.40	980	1	0.01	9	390	16	2.20	2
1124027064		52	1.80	<10	<1	0.27	10	0.22	200	1	0.01	11	440	11	1.73	2
1124027001		73	2.53	<10	<1	0.24	10	0.26	666	1	0.01	8	400	10	2.52	3
1124025126		29	1.48	<10	<1	0.25	10	0.75	1810	1	<0.01	7	410	72	1.03	<2
1124027088		51	2.28	<10	<1	0.23	10	0.53	295	1	0.01	12	450	18	1.68	<2
1123001117		42	2.42	<10	<1	0.26	10	0.73	682	1	0.03	10	560	106	1.80	<2
1123001180		59	2.42	<10	<1	0.28	10	0.89	1420	<1	0.02	12	420	122	2.11	<2
1124025107		24	1.71	<10	<1	0.22	10	0.54	1390	<1	0.01	6	350	41	1.41	<2
1124026208		40	3.12	<10	<1	0.23	10	0.92	916	1	0.08	18	590	27	1.35	<2
1124026020		69	6.14	10	<1	0.44	10	1.47	1160	2	0.12	36	690	7	1.31	<2
1124026029		84	9.21	10	<1	0.39	10	1.79	1530	2	0.10	50	680	8	4.48	<2
1123001198		45	2.44	<10	<1	0.22	10	0.99	1560	1	0.01	11	540	174	2.16	2
1123001111		127	2.61	<10	<1	0.20	10	0.52	1540	1	0.01	16	420	627	2.60	2
1124026116		8	2.76	10	<1	0.20	20	1.17	784	<1	0.05	19	730	5	0.40	<2
1124027074		27	2.00	<10	<1	0.20	20	0.39	432	1	0.01	11	450	13	1.73	3
1124026119		43	4.42	10	<1	0.28	10	1.00	1100	4	0.07	26	500	7	1.76	<2
1123001157		44	2.40	<10	<1	0.20	20	0.88	889	<1	0.03	10	520	108	1.61	2
V835512		25	1.35	<10	<1	0.06	<10	0.08	111	7	0.08	6	300	<2	0.02	<2
1124012008		12	1.46	<10	<1	0.16	10	0.72	344	1	0.06	9	370	10	0.62	<2
1124012018		34	2.52	<10	<1	0.12	20	0.65	314	2	0.05	12	480	4	0.53	<2
1124012051		14	1.76	<10	<1	0.16	10	0.76	556	1	0.06	10	340	9	0.72	<2
1124012004		30	1.81	<10	<1	0.15	10	0.68	527	2	0.05	11	360	10	0.87	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124018077		1	32	<20	0.02	<10	<10	6	30	1090	0.29	1.15	36	8.9	0	35.9
1124018075		<1	15	<20	0.02	<10	<10	5	<10	2150	0.18	1.70	25	8.9	-28	53.1
1124018028		<1	37	<20	0.01	<10	<10	5	10	2890	0.57	1.91	54	8.9	-6	59.7
1124018007		3	237	<20	0.07	<10	<10	24	<10	1270	0.85	1.67	78	9.2	26	52.2
1124013169		1	22	<20	0.03	<10	<10	17	<10	207	0.39	0.57	40	9.6	22	17.8
1124013192		2	46	<20	0.01	<10	<10	25	<10	38	0.72	0.12	63	9.6	59	3.8
1124021052		1	8	<20	<0.01	<10	<10	5	<10	171	0.11	1.66	12	8.8	-40	51.9
1124021054		<1	15	<20	0.01	<10	<10	4	<10	348	0.10	1.69	13	8.7	-40	52.8
1124013163		2	29	<20	0.02	<10	<10	19	<10	51	0.53	0.37	48	9.6	36	11.6
1124013172		2	36	<20	0.01	<10	<10	17	<10	64	0.63	0.34	57	9.6	46	10.6
1124013101		1	31	<20	0.02	<10	<10	16	<10	62	0.58	0.17	51	9.6	46	5.3
1124021118		<1	23	<20	<0.01	<10	<10	3	<10	1410	1.04	1.83	79	9.0	22	57.2
1124013024		1	25	<20	0.02	<10	<10	17	<10	81	0.53	0.13	45	9.6	41	4.1
1124021115		1	10	<20	0.01	<10	<10	4	10	2230	0.25	2.24	25	8.6	-45	70.0
1124013120		1	23	<20	0.01	<10	<10	11	<10	41	0.49	0.76	42	9.1	18	23.8
1124021127		<1	34	<20	<0.01	<10	<10	4	10	3920	0.52	2.44	51	8.6	-25	76.3
V835511		3	17	<20	0.36	<10	<10	79	<10	53	0.05					
1123001234		1	24	<20	<0.01	<10	<10	5	<10	217	0.70	1.75	59	8.9	4	54.7
1124027032		<1	17	<20	<0.01	<10	<10	2	10	2750	0.83	2.13	63	8.9	-4	66.6
1124027064		<1	10	<20	<0.01	<10	<10	3	<10	791	0.15	1.68	14	8.7	-39	52.5
1124027001		<1	14	<20	<0.01	<10	<10	3	<10	2230	0.53	2.60	41	8.7	-40	81.3
1124025126		<1	81	<20	<0.01	<10	<10	2	<10	189	1.32	0.96	96	9.1	66	30.0
1124027088		<1	9	<20	<0.01	<10	<10	4	<10	1100	0.10	1.59	10	8.7	-40	49.7
1123001117		1	32	<20	<0.01	<10	<10	7	<10	943	0.52	1.80	47	9.1	-9	56.3
1123001180		1	28	<20	<0.01	<10	<10	4	<10	1190	1.02	2.16	81	9.1	14	67.5
1124025107		<1	23	<20	<0.01	<10	<10	2	<10	69	1.10	1.42	80	9.0	36	44.4
1124026208		2	80	<20	0.08	<10	<10	51	<10	429	0.91	1.30	76	9.0	35	40.6
1124026020		10	85	<20	0.12	<10	<10	166	<10	168	0.87	1.32	71	8.8	30	41.3
1124026029		14	148	<20	0.10	<10	<10	197	<10	696	1.55	4.60	163	8.8	19	143.8
1123001198		1	26	<20	<0.01	<10	<10	4	<10	346	1.12	2.08	87	9.1	22	65.0
1123001111		<1	20	<20	<0.01	<10	<10	3	<10	1020	0.99	2.49	75	8.9	-3	77.8
1124026116		2	84	<20	0.04	<10	<10	34	<10	93	0.85	0.36	72	9.5	61	11.3
1124027074		<1	13	<20	<0.01	<10	<10	4	<10	477	0.39	1.65	31	8.8	-21	51.6
1124026119		4	78	<20	0.04	<10	<10	71	<10	319	0.92	1.74	74	9.1	20	54.4
1123001157		1	36	<20	<0.01	<10	<10	8	<10	257	0.93	1.55	75	9.1	27	48.4
V835512		1	12	<20	0.24	<10	<10	31	<10	22	0.06					
1124012008		1	50	<20	<0.01	<10	<10	5	<10	53	0.90	0.58	61	9.3	43	18.1
1124012018		1	34	<20	0.01	<10	<10	13	<10	30	0.76	0.50	49	9.3	33	15.6
1124012051		1	46	<20	<0.01	<10	<10	5	<10	75	0.80	0.67	63	9.5	42	20.9
1124012004		1	43	<20	<0.01	<10	<10	5	<10	94	1.02	0.79	65	9.2	40	24.7

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124018077		1.00	2
1124018075		0.47	2
1124018028		0.90	2
1124018007		1.49	2
1124013169		2.25	2
1124013192		16.80	2
1124021052		0.23	1
1124021054		0.25	1
1124013163		4.15	2
1124013172		5.36	2
1124013101		9.60	2
1124021118		1.38	2
1124013024		11.08	2
1124021115		0.36	2
1124013120		1.77	2
1124021127		0.67	2
V835511			
1123001234		1.08	2
1124027032		0.95	2
1124027064		0.27	1
1124027001		0.50	2
1124025126		3.20	3
1124027088		0.20	1
1123001117		0.84	2
1123001180		1.20	2
1124025107		1.80	2
1124026208		1.87	2
1124026020		1.72	2
1124026029		1.13	3
1123001198		1.34	2
1123001111		0.96	2
1124026116		6.40	2
1124027074		0.60	2
1124026119		1.36	2
1123001157		1.55	2
V835512			
1124012008		3.37	2
1124012018		3.14	2
1124012051		3.01	2
1124012004		2.63	2

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Finalized Date: 9-JAN-2019
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CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1124012044		0.54		0.015		0.5	1.29	26	<10	40	<0.5	<2	1.69	<0.5	7	87
1124012001		0.55		0.111		0.4	1.19	30	<10	30	<0.5	<2	2.22	<0.5	6	177
1124022145		0.46		1.335		1.1	0.52	38	<10	20	<0.5	2	2.52	2.1	8	186
1124019040		0.51		0.210		1.5	1.34	69	<10	30	<0.5	<2	1.60	0.5	7	106
1124019036		0.48		0.365		0.5	1.43	30	<10	190	0.8	<2	2.56	1.4	10	136
1124019050		0.48		0.215		0.8	1.93	53	<10	20	<0.5	2	0.88	<0.5	10	115
1124019002		0.48		0.235		0.7	1.75	64	<10	30	<0.5	<2	1.37	<0.5	7	111
1124019027		0.49		0.384		1.0	0.84	92	<10	20	<0.5	<2	2.31	<0.5	6	96
1124023132		0.47		0.335		1.6	0.99	31	<10	30	<0.5	<2	2.27	1.4	8	92
1124023153		0.49		0.495		0.9	0.96	61	<10	20	<0.5	2	2.12	3.7	8	117
1124022109		0.49		0.916		0.4	0.90	44	<10	20	<0.5	2	2.10	<0.5	8	97
V835513		0.06		1.605		9.4	0.93	<2	<10	80	<0.5	<2	0.54	<0.5	11	8
1124023006		0.51		0.305		3.1	0.68	18	<10	30	<0.5	2	1.59	0.8	9	157
1124023159		0.50		0.116		0.8	2.58	29	<10	30	<0.5	2	1.56	<0.5	9	100
1124023121		0.47		0.127		0.8	1.95	37	<10	30	<0.5	<2	1.87	2.0	8	127
1124022158		0.52		0.818		0.6	0.87	116	<10	30	<0.5	2	1.99	<0.5	12	116
1124022021		0.46		1.670		1.3	0.72	24	<10	20	<0.5	<2	2.26	0.6	8	206
1124022018		0.47		1.110		0.4	0.77	50	<10	20	<0.5	<2	2.43	<0.5	9	173
1124023001		0.47		0.213		2.5	0.76	27	<10	20	<0.5	<2	2.05	1.0	8	165
1124023113		0.52	91.1	0.162		0.5	1.55	35	<10	20	<0.5	<2	1.84	2.3	8	135
1123001101		0.48		0.635		3.3	0.79	33	<10	30	<0.5	2	2.39	1.5	8	115
1124023175		0.47		0.362		0.9	1.03	57	<10	30	<0.5	<2	2.30	3.1	8	129
1124022002		0.47		0.535		1.4	0.49	32	<10	30	<0.5	2	2.34	1.8	8	142
1124022163		0.50		0.304		0.7	1.29	52	<10	30	<0.5	2	1.39	0.5	9	108
1123001179		0.51		0.785		1.5	0.54	60	<10	20	<0.5	2	2.31	6.9	8	169
1123001018		0.49		0.259		2.1	2.10	22	<10	30	<0.5	4	1.53	1.2	9	166
1124022003		0.49		1.395		1.6	0.52	29	<10	20	<0.5	2	2.53	4.7	8	165
1123001255		0.47		0.303		1.0	0.85	52	<10	20	<0.5	2	2.44	9.3	7	181
1124023022		0.50		0.251		0.7	2.53	43	<10	20	<0.5	<2	1.75	1.9	8	167
1124023018		0.49		0.160		1.6	2.03	24	<10	30	<0.5	<2	2.32	1.9	8	118
1124024008		0.48		0.113		0.8	1.57	34	<10	20	<0.5	<2	1.13	<0.5	6	99
V835514		0.06		0.202		1.5	0.80	<2	<10	40	<0.5	<2	0.42	<0.5	9	11
1123001297		0.51		1.900		2.6	1.61	74	<10	20	<0.5	3	1.26	0.9	9	101
1124024053		0.49		0.273		1.0	1.65	33	<10	20	<0.5	<2	1.72	1.9	5	144
1124024087		0.48		4.87		4.0	0.93	77	<10	20	<0.5	2	1.79	10.5	6	93
1124024034		0.48		0.333		0.5	1.77	48	<10	30	<0.5	<2	1.31	<0.5	7	97
1123001011		0.49		0.247		1.5	1.83	31	<10	30	<0.5	4	2.27	0.7	9	182
1124024064		0.47		0.694		1.2	0.86	55	<10	20	<0.5	3	1.64	11.8	7	161
1124026138		0.47		0.035		0.7	2.61	10	<10	70	<0.5	<2	2.94	6.5	35	186
1123001306		0.51		4.58		4.3	1.32	121	<10	20	<0.5	<2	1.43	14.9	14	94

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1124012044		9	1.40	<10	<1	0.14	10	0.65	299	1	0.08	9	370	7	0.50	<2
1124012001		28	1.64	<10	<1	0.13	10	0.76	541	3	0.06	10	340	12	0.72	2
1124022145		78	1.84	<10	<1	0.14	10	0.80	1500	1	0.01	11	420	112	1.45	<2
1124019040		28	1.67	<10	<1	0.24	20	0.84	764	1	0.02	7	400	121	1.29	2
1124019036		19	2.24	<10	1	0.52	30	1.23	870	<1	0.01	17	1190	144	1.31	2
1124019050		53	2.49	<10	<1	0.16	20	0.82	642	1	0.07	13	600	31	1.41	2
1124019002		25	1.59	<10	<1	0.20	20	0.77	582	<1	0.09	10	380	50	0.77	<2
1124019027		24	1.94	<10	<1	0.21	10	0.54	965	1	0.01	7	410	60	1.78	<2
1124023132		42	1.93	<10	<1	0.19	20	0.49	975	1	0.04	11	440	41	1.79	<2
1124023153		56	2.03	<10	<1	0.19	10	0.60	988	1	0.04	12	450	44	1.80	<2
1124022109		24	1.70	<10	<1	0.14	10	0.55	807	<1	0.02	9	440	15	1.55	<2
V835513		50	2.87	<10	<1	0.20	10	0.40	261	19	0.14	13	620	8	0.06	<2
1124023006		36	1.99	<10	<1	0.15	10	0.31	633	2	0.02	12	420	45	1.99	<2
1124023159		40	2.00	<10	<1	0.16	10	0.58	324	<1	0.24	11	450	45	1.72	<2
1124023121		33	1.87	<10	<1	0.17	10	0.65	587	<1	0.10	11	380	112	1.56	<2
1124022158		37	2.88	<10	<1	0.14	20	0.65	652	<1	0.04	12	570	36	2.72	3
1124022021		105	2.20	<10	<1	0.14	10	0.67	585	3	0.03	11	360	35	2.11	<2
1124022018		41	2.08	<10	<1	0.12	10	0.60	933	2	0.02	12	430	20	1.87	<2
1124023001		34	2.12	<10	<1	0.14	20	0.43	729	2	0.03	11	460	30	2.02	<2
1124023113		28	1.83	<10	<1	0.13	10	0.60	639	2	0.08	11	380	43	1.44	<2
1123001101		55	2.07	<10	<1	0.18	10	0.54	1060	<1	0.02	11	430	123	2.04	2
1124023175		39	2.04	<10	<1	0.18	10	0.64	1000	1	0.05	11	430	31	1.75	2
1124022002		73	2.18	<10	<1	0.17	10	0.86	1430	3	0.01	12	430	44	2.05	<2
1124022163		40	2.21	<10	<1	0.14	20	0.71	539	1	0.04	10	580	36	1.45	<2
1123001179		79	2.43	<10	<1	0.16	10	0.70	1160	<1	0.01	13	430	127	2.29	<2
1123001018		42	2.04	<10	<1	0.19	10	0.59	415	2	0.28	13	460	55	1.83	<2
1124022003		61	2.27	<10	<1	0.15	10	0.93	1610	2	0.01	10	410	62	2.16	<2
1123001255		85	2.22	<10	<1	0.15	10	0.71	1130	1	0.01	10	410	45	1.92	<2
1124023022		46	2.02	<10	<1	0.14	10	0.61	447	1	0.25	12	410	69	1.67	<2
1124023018		47	2.11	<10	<1	0.15	10	0.68	528	1	0.13	11	430	31	2.00	<2
1124024008		23	1.68	<10	<1	0.18	10	1.19	701	<1	0.03	6	380	100	1.07	2
V835514		55	2.48	<10	<1	0.21	10	0.35	243	4	0.14	10	500	24	0.05	2
1123001297		243	4.73	<10	<1	0.18	10	1.06	775	<1	0.01	11	410	69	3.40	<2
1124024053		24	1.70	<10	<1	0.18	20	1.24	868	<1	0.02	7	400	247	1.10	<2
1124024087		143	2.49	<10	<1	0.29	10	0.89	1440	<1	0.01	7	380	253	2.10	<2
1124024034		20	1.82	<10	<1	0.20	20	1.08	692	<1	0.05	7	390	31	0.71	<2
1123001011		32	2.16	<10	<1	0.15	10	0.62	695	1	0.22	13	450	65	1.95	<2
1124024064		107	2.18	<10	<1	0.19	10	0.84	1290	<1	<0.01	8	360	71	1.50	<2
1124026138		91	7.88	10	<1	0.30	10	1.31	1350	1	0.13	50	690	6	1.72	<2
1123001306		123	3.70	<10	<1	0.18	10	0.83	742	1	0.02	14	420	313	3.36	4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124012044		1	49	<20	<0.01	<10	<10	7	<10	68	0.51	0.46	41	9.4	27	14.4
1124012001		1	47	<20	<0.01	<10	<10	5	<10	80	0.88	0.69	60	9.2	38	21.6
1124022145		<1	22	<20	<0.01	<10	<10	3	<10	558	1.17	1.42	86	9.1	42	44.4
1124019040		1	33	<20	0.01	<10	<10	5	<10	157	0.43	1.24	40	9.1	1	38.8
1124019036		3	152	<20	0.07	<10	<10	30	<10	446	0.74	1.24	67	9.1	28	38.8
1124019050		1	39	<20	0.01	<10	<10	9	<10	156	0.11	1.36	15	8.6	-28	42.5
1124019002		1	45	<20	0.01	<10	<10	6	<10	118	0.29	0.70	30	9.2	8	21.9
1124019027		<1	28	<20	<0.01	<10	<10	3	<10	121	0.70	1.70	58	9.0	5	53.1
1124023132		<1	25	<20	<0.01	<10	<10	4	<10	360	0.68	1.78	58	9.0	2	55.6
1124023153		<1	28	<20	<0.01	<10	<10	4	<10	858	0.72	1.75	59	8.9	4	54.7
1124022109		<1	22	<20	<0.01	<10	<10	3	<10	107	0.69	1.57	55	9.1	6	49.1
V835513		2	19	<20	0.41	<10	<10	70	<10	47	0.03					
1124023006		<1	21	<20	<0.01	<10	<10	3	<10	213	0.60	2.03	39	8.6	-24	63.4
1124023159		1	57	<20	0.02	<10	<10	7	<10	154	0.08	1.72	15	9.1	-39	53.8
1124023121		1	43	<20	0.01	<10	<10	6	<10	577	0.33	1.54	36	8.9	-12	48.1
1124022158		1	33	<20	<0.01	<10	<10	4	<10	141	0.74	2.79	57	9.0	-30	87.2
1124022021		1	27	<20	<0.01	<10	<10	3	<10	150	1.07	2.01	67	8.7	4	62.8
1124022018		<1	23	<20	<0.01	<10	<10	3	<10	100	0.97	1.83	68	8.7	11	57.2
1124023001		<1	26	<20	<0.01	<10	<10	3	<10	267	0.80	2.00	53	8.8	-10	62.5
1124023113		<1	33	<20	<0.01	<10	<10	4	<10	687	0.38	1.41	38	9.0	-6	44.1
1123001101		<1	23	<20	<0.01	<10	<10	3	<10	391	0.86	1.92	70	8.9	10	60.0
1124023175		1	29	<20	<0.01	<10	<10	4	<10	740	0.77	1.62	64	8.7	13	50.6
1124022002		<1	23	<20	<0.01	<10	<10	3	<10	479	1.29	1.96	87	8.9	26	61.3
1124022163		1	25	<20	<0.01	<10	<10	6	<10	195	0.48	1.37	37	8.9	-6	42.8
1123001179		<1	21	<20	<0.01	<10	<10	2	<10	1530	0.99	2.25	77	8.8	7	70.3
1123001018		1	39	<20	0.02	<10	<10	6	<10	363	0.42	1.74	29	8.8	-25	54.4
1124022003		<1	28	<20	<0.01	<10	<10	3	<10	1250	1.37	2.12	91	8.9	25	66.3
1123001255		<1	21	<20	<0.01	<10	<10	3	<10	1960	0.83	1.91	68	8.8	8	59.7
1124023022		1	62	<20	<0.01	<10	<10	6	<10	515	0.23	1.66	27	8.7	-25	51.9
1124023018		1	57	<20	0.01	<10	<10	6	<10	504	0.48	1.99	44	8.8	-18	62.2
1124024008		1	24	<20	0.02	<10	<10	8	<10	145	0.30	0.99	29	9.1	-2	30.9
V835514		2	19	<20	0.37	<10	<10	57	<10	58	0.02					
1123001297		1	10	<20	<0.01	<10	<10	6	<10	335	0.38	3.50	37	8.8	-72	109.4
1124024053		1	31	<20	0.01	<10	<10	7	<10	558	0.46	1.04	42	9.1	10	32.5
1124024087		1	31	<20	<0.01	<10	<10	4	10	2630	0.79	2.05	62	9.1	-2	64.1
1124024034		1	30	<20	0.04	<10	<10	9	<10	95	0.28	0.62	28	9.3	9	19.4
1123001011		1	36	<20	0.01	<10	<10	4	<10	161	0.55	1.84	47	8.9	-11	57.5
1124024064		<1	31	<20	0.01	<10	<10	4	10	2870	0.66	1.43	52	8.7	7	44.7
1124026138		11	76	<20	0.12	<10	<10	192	<10	1510	0.95	1.67	71	8.7	19	52.2
1123001306		1	18	<20	<0.01	<10	<10	6	<10	3740	0.41	3.21	37	8.7	-63	100.3

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124012044		2.85	2
1124012001		2.78	2
1124022145		1.94	2
1124019040		1.03	2
1124019036		1.73	2
1124019050		0.35	1
1124019002		1.37	2
1124019027		1.09	2
1124023132		1.04	2
1124023153		1.08	2
1124022109		1.12	2
V835513			
1124023006		0.61	2
1124023159		0.28	1
1124023121		0.75	2
1124022158		0.65	2
1124022021		1.07	2
1124022018		1.19	2
1124023001		0.85	2
1124023113		0.86	2
1123001101		1.17	2
1124023175		1.26	2
1124022002		1.42	2
1124022163		0.86	2
1123001179		1.10	2
1123001018		0.53	2
1124022003		1.37	3
1123001255		1.14	2
1124023022		0.52	2
1124023018		0.71	2
1124024008		0.94	2
V835514			
1123001297		0.34	2
1124024053		1.29	2
1124024087		0.97	2
1124024034		1.45	2
1123001011		0.82	2
1124024064		1.16	2
1124026138		1.36	2
1123001306		0.37	2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	WEI-21	LOG-QC	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Pass75um	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
	Units	kg	%	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.02	0.01	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
1124026001		0.52		0.021		0.5	3.56	11	<10	40	<0.5	<2	4.22	0.7	39	85
1124026168		0.49		0.118		0.5	1.56	30	<10	30	<0.5	<2	2.00	1.2	7	142
1124026226		0.47		0.070		0.8	1.18	12	<10	70	<0.5	<2	2.74	<0.5	13	193
1124026125		0.50		0.250		0.5	1.93	39	<10	30	<0.5	<2	1.79	<0.5	8	99
1124026151		0.47		0.013		<0.2	1.39	4	<10	90	<0.5	<2	3.01	<0.5	16	86
1124026154		0.49		0.010		<0.2	1.33	2	<10	190	<0.5	<2	2.31	<0.5	13	201
1124026140		0.47		0.023		0.2	1.60	6	<10	150	<0.5	<2	2.43	<0.5	14	178
1124026016		0.46		0.034		0.7	2.62	65	<10	70	<0.5	<2	2.98	0.6	31	149
1124027126		0.49		0.744		1.9	1.65	87	<10	20	<0.5	<2	2.05	12.4	8	144
1123001262		0.48		0.351		2.5	0.55	68	<10	40	<0.5	<2	2.72	7.4	10	108
1124027021		0.79		0.476		2.0	0.49	130	<10	20	<0.5	<2	1.76	7.9	9	145
V835515		0.06		1.040		4.0	0.38	<2	<10	20	<0.5	3	0.41	<0.5	5	6

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1124026001		78	9.84	10	<1	0.13	<10	1.93	1570	1	0.10	56	790	4	1.40	<2
1124026168		37	1.91	<10	<1	0.20	10	0.79	639	1	0.09	9	440	30	1.06	<2
1124026226		25	2.98	<10	<1	0.28	20	0.95	893	5	0.04	41	680	4	1.71	<2
1124026125		19	1.86	<10	<1	0.22	10	0.88	619	<1	0.11	7	420	38	0.91	<2
1124026151		12	3.16	10	<1	0.19	20	1.20	963	1	0.07	24	740	5	0.95	<2
1124026154		22	2.64	10	<1	0.49	10	1.08	458	1	0.06	30	480	2	0.06	<2
1124026140		25	3.08	10	<1	0.48	10	1.17	544	1	0.06	32	500	3	0.37	<2
1124026016		78	7.82	10	<1	0.27	10	1.27	1040	1	0.06	50	600	4	2.00	<2
1124027126		99	3.01	<10	<1	0.24	10	1.36	1160	1	0.01	10	420	33	2.00	<2
1123001262		54	2.35	<10	<1	0.26	10	0.71	1870	1	0.01	13	440	274	2.23	3
1124027021		66	2.24	<10	<1	0.21	10	0.28	701	1	0.01	8	410	18	2.11	<2
V835515		22	1.43	<10	<1	0.06	<10	0.09	117	7	0.09	5	300	<2	0.01	<2

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1124026001		14	77	<20	0.11	<10	<10	223	<10	201	1.59	1.38	171	8.7	128	43.1
1124026168		1	54	<20	0.01	<10	<10	10	<10	370	0.51	0.99	42	9.1	11	30.9
1124026226		2	47	<20	0.02	<10	<10	24	<10	112	0.94	1.57	71	9.2	22	49.1
1124026125		1	60	<20	<0.01	<10	<10	9	<10	125	0.38	0.80	35	9.1	10	25.0
1124026151		3	107	<20	0.02	<10	<10	40	<10	100	1.21	0.86	85	9.1	58	26.9
1124026154		4	97	<20	0.05	<10	<10	49	<10	68	0.76	0.05	63	9.6	61	1.6
1124026140		4	83	<20	0.07	<10	<10	58	<10	93	0.75	0.34	65	9.6	54	10.6
1124026016		8	64	<20	0.12	10	<10	138	<10	232	0.90	1.93	75	8.6	15	60.3
1124027126		1	26	<20	0.02	<10	<10	9	<10	2900	0.60	1.95	52	8.8	-9	60.9
1123001262		<1	23	<20	<0.01	<10	<10	3	<10	1820	1.14	2.19	86	9.2	18	68.4
1124027021		<1	18	<20	<0.01	10	<10	2	<10	1700	0.63	2.02	47	8.8	-16	63.1
V835515		1	13	<20	0.25	<10	<10	32	<10	24	0.07					

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1124026001		3.97	3
1124026168		1.36	2
1124026226		1.45	2
1124026125		1.40	2
1124026151		3.16	2
1124026154		40.32	2
1124026140		6.12	2
1124026016		1.24	2
1124027126		0.85	2
1123001262		1.26	2
1124027021		0.74	2
V835515			

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EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

CERTIFICATE OF ANALYSIS TB18315377

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

CERTIFICATE TB19005962

Project: Mine Site Lab Pulps Nov2018 V2

P.O. No.: 4500023138

This report is for 214 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 28-DEC-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1122016152		0.50	91.5	0.083		0.3	2.31	24	<10	40	<0.5	<2	1.10	<0.5	6	116
1122014021		0.44		0.771		0.7	1.00	137	<10	50	<0.5	<2	1.32	1.3	10	122
1122014105		0.52		0.571		0.8	1.42	51	<10	30	<0.5	<2	0.96	11.5	6	112
1231003099		0.47		0.199		1.0	0.68	70	<10	50	<0.5	<2	1.88	0.9	9	114
1231003316		0.48		0.997		1.7	0.78	96	<10	60	<0.5	<2	1.54	1.8	8	109
1231003342		0.46		0.323		1.1	0.77	196	<10	50	<0.5	<2	1.48	1.7	7	131
1122016132		0.43		>10.0	32.8	4.7	1.11	106	<10	30	<0.5	<2	1.56	1.6	6	119
1122014157		0.47		1.420		1.4	1.74	104	<10	40	<0.5	2	0.39	1.2	7	117
1122011143		0.49		0.022		0.3	1.32	7	<10	80	<0.5	<2	1.35	<0.5	7	343
1122014181		0.48		0.385		0.7	1.73	65	<10	40	<0.5	2	0.47	<0.5	7	116
1122016176		0.49		0.174		1.2	1.75	36	<10	60	<0.5	<2	1.69	0.6	9	140
1122014101		0.48		0.326		1.0	2.04	37	<10	90	0.5	3	2.05	8.6	10	114
1122016179		0.50		0.097		0.9	1.66	8	<10	120	<0.5	<2	2.69	0.5	9	154
1231003256		0.53		0.078		0.8	0.47	32	<10	50	<0.5	<2	0.29	0.7	9	213
1231003355		0.54		0.272		1.7	0.47	99	<10	50	<0.5	2	1.77	1.0	9	201
1230010168		0.61		0.379		13.6	1.25	43	<10	40	<0.5	<2	0.17	0.6	7	101
1231008211		0.58		0.101		1.4	1.51	16	<10	50	<0.5	4	1.13	1.8	12	134
1122011114		0.47		0.115		0.5	1.18	7	<10	60	<0.5	<2	1.29	<0.5	8	317
1122011118		0.49		0.076		0.3	1.26	6	<10	70	<0.5	<2	1.09	<0.5	7	332
1231009045		0.49		0.320		6.1	1.18	201	<10	50	<0.5	8	0.76	15.0	8	184
V835529		0.06		1.170		4.3	0.38	<2	<10	20	<0.5	5	0.41	<0.5	4	6
1122016165		0.44		0.342		1.0	1.46	39	<10	40	<0.5	<2	1.19	4.6	6	119
1231009095		0.48		0.242		8.9	1.57	270	<10	60	<0.5	4	0.67	6.9	9	108
1122007038		0.49		0.473		1.8	0.78	34	<10	40	<0.5	<2	2.54	2.1	8	105
1122011014		0.49		0.094		0.5	1.37	10	<10	50	<0.5	<2	1.53	<0.5	7	186
1122007092		0.46		0.213		0.7	1.24	38	<10	40	<0.5	<2	2.05	2.2	9	86
1231008238		0.45		0.072		0.6	1.61	7	<10	60	<0.5	2	0.68	0.6	8	134
1122011169		0.49		0.038		0.3	1.35	4	<10	60	<0.5	<2	1.88	<0.5	9	214
1122009016		0.42		0.019		0.3	1.81	5	<10	120	<0.5	<2	2.67	<0.5	13	141
1122009022		0.47		0.006		0.3	1.88	2	<10	90	<0.5	<2	3.03	<0.5	12	146
1122016114		0.50		0.265		1.0	2.00	26	<10	50	<0.5	<2	1.62	1.6	7	96
1122009005		0.56		0.066		0.3	2.35	8	<10	130	<0.5	<2	2.59	<0.5	12	148
1122007051		0.46		1.375		1.9	1.07	134	<10	50	<0.5	<2	1.17	4.3	10	80
1122014107		0.33		1.210		5.2	0.87	95	<10	40	<0.5	<2	1.78	21.2	7	141
1122011187		0.49		0.062		0.5	1.21	5	<10	60	<0.5	<2	1.64	1.0	7	220
1231003004		0.45		0.681		1.1	0.67	24	<10	70	<0.5	<2	0.31	2.8	8	77
1122016147		0.46		0.302		0.7	1.64	77	<10	40	<0.5	<2	2.19	<0.5	6	80
1231003066		0.47		0.746		3.2	0.54	58	<10	50	<0.5	<2	0.30	9.7	7	169
1231003134		0.47		0.344		0.8	0.63	47	<10	80	<0.5	<2	1.65	1.1	7	152
1122016065		0.49		4.37		2.1	0.95	80	<10	30	<0.5	<2	1.55	5.6	6	95

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
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Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1122016152		16	1.49	<10	<1	0.27	10	0.70	410	<1	0.13	8	420	17	0.79	2
1122014021		19	1.69	<10	<1	0.38	10	0.34	437	1	0.02	12	420	19	1.56	<2
1122014105		33	2.45	<10	<1	0.31	10	0.85	609	<1	0.01	8	390	28	1.55	<2
1231003099		20	1.75	<10	<1	0.40	10	0.18	770	<1	0.01	11	400	82	1.72	<2
1231003316		55	1.78	<10	<1	0.38	10	0.60	1255	1	0.01	9	390	473	1.38	2
1231003342		24	1.83	<10	<1	0.37	10	0.59	1145	1	0.01	9	380	533	1.54	<2
1122016132		46	1.85	<10	<1	0.33	10	0.63	866	<1	0.02	8	360	201	1.69	2
1122014157		74	3.64	<10	<1	0.36	10	0.99	557	1	0.01	11	420	21	2.15	<2
1122011143		28	2.21	10	<1	0.35	10	0.72	422	1	0.07	12	400	2	0.24	2
1122014181		16	2.42	<10	<1	0.36	10	1.05	570	<1	0.01	12	440	23	1.07	2
1122016176		26	2.06	<10	<1	0.31	10	0.64	705	<1	0.13	12	420	44	1.63	<2
1122014101		47	2.43	10	<1	0.49	20	1.42	793	1	0.02	16	910	36	1.31	2
1122016179		40	2.19	10	<1	0.38	20	0.73	743	<1	0.09	16	480	3	0.53	<2
1231003256		6	2.39	<10	<1	0.30	10	0.03	168	1	<0.01	13	440	22	2.54	<2
1231003355		30	1.74	<10	<1	0.33	10	0.40	1775	<1	<0.01	10	430	50	1.62	<2
1230010168		24	1.90	<10	<1	0.20	10	0.76	265	3	0.03	11	430	24	1.70	4
1231008211		62	3.26	<10	<1	0.16	20	0.82	424	1	0.10	13	560	7	3.51	2
1122011114		34	2.41	10	<1	0.21	10	0.75	399	1	0.06	13	430	2	0.52	2
1122011118		22	2.18	10	<1	0.32	10	0.70	385	1	0.06	12	420	3	0.29	<2
1231009045		697	3.41	<10	<1	0.20	20	0.61	300	1	0.07	11	480	4	3.89	10
V835529		23	1.41	<10	<1	0.06	<10	0.09	115	7	0.09	7	310	<2	0.02	<2
1122016165		42	1.76	<10	1	0.37	10	0.73	545	<1	0.02	9	420	80	1.42	2
1231009095		741	2.94	<10	<1	0.21	20	0.90	332	1	0.09	11	570	6	3.30	20
1122007038		42	2.02	<10	<1	0.30	10	0.99	1275	1	0.02	11	410	255	1.71	<2
1122011014		49	2.30	10	<1	0.15	10	0.76	396	1	0.05	11	390	4	0.54	<2
1122007092		23	2.15	<10	<1	0.34	10	0.77	1000	1	0.02	12	430	48	1.99	<2
1231008238		47	2.43	<10	<1	0.17	20	0.74	451	2	0.11	10	520	7	2.47	<2
1122011169		23	2.26	10	<1	0.14	10	0.76	377	<1	0.07	13	430	<2	0.36	<2
1122009016		7	2.78	10	<1	0.39	20	1.11	717	<1	0.09	22	680	11	0.25	<2
1122009022		4	2.54	10	<1	0.21	20	1.07	549	<1	0.11	20	690	4	0.31	<2
1122016114		25	1.59	<10	<1	0.34	10	0.84	557	<1	0.06	7	410	72	1.15	<2
1122009005		14	2.28	10	<1	0.38	10	1.08	569	<1	0.19	24	480	9	0.32	<2
1122007051		65	2.68	<10	<1	0.30	10	0.46	687	<1	0.04	10	560	120	2.59	2
1122014107		206	2.67	<10	1	0.39	10	0.44	1020	<1	0.02	9	400	245	2.53	3
1122011187		90	1.95	<10	<1	0.22	10	0.72	385	1	0.05	10	380	3	0.42	<2
1231003004		9	2.06	<10	<1	0.46	10	0.05	74	1	0.01	12	380	17	2.32	<2
1122016147		22	2.01	<10	<1	0.36	10	1.02	1025	1	0.03	7	400	37	1.31	<2
1231003066		28	2.13	<10	<1	0.38	10	0.05	131	<1	0.01	10	380	129	2.34	3
1231003134		33	1.68	<10	<1	0.34	10	0.50	1615	4	0.01	10	340	79	1.15	2
1122016065		74	1.81	<10	<1	0.31	10	0.57	888	<1	0.02	8	370	142	1.81	4

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OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1122016152		1	49	<20	<0.01	<10	<10	7	<10	69	0.11	0.71	17	9.1	-5	22.2
1122014021		1	22	<20	<0.01	<10	<10	5	<10	307	0.38	1.45	34	9.1	-11	45.3
1122014105		1	21	<20	0.03	<10	<10	6	<10	2820	0.31	1.56	25	8.8	-24	48.8
1231003099		<1	54	<20	0.01	<10	<10	5	<10	218	0.59	1.55	49	9.4	1	48.4
1231003316		<1	15	<20	<0.01	<10	<10	4	<10	539	0.77	1.36	58	9.3	16	42.5
1231003342		<1	13	<20	<0.01	<10	<10	4	<10	450	0.72	1.42	56	9.4	12	44.4
1122016132		1	31	<20	<0.01	<10	<10	5	<10	460	0.46	1.57	43	9.1	-6	49.1
1122014157		1	11	<20	0.01	<10	<10	8	<10	319	0.10	2.01	13	8.9	-50	62.8
1122011143		2	28	<20	0.05	<10	<10	22	<10	96	0.39	0.20	39	9.6	33	6.3
1122014181		1	14	<20	0.01	<10	<10	8	<10	134	0.13	0.95	15	9.1	-15	29.7
1122016176		1	67	<20	0.01	<10	<10	8	<10	159	0.36	1.54	38	9.3	-10	48.1
1122014101		3	122	<20	0.08	<10	<10	21	<10	2170	0.44	1.22	48	9.3	10	38.1
1122016179		2	87	<20	0.01	<10	<10	17	<10	160	0.79	0.48	70	9.5	55	15.0
1231003256		<1	26	<20	0.01	<10	<10	3	<10	135	0.17	2.47	9	8.4	-68	77.2
1231003355		<1	94	<20	0.01	<10	<10	4	<10	262	0.78	1.57	59	9.2	10	49.1
1230010168		1	30	<20	<0.01	<10	<10	6	<10	202	0.01	1.60	9	8.5	-41	50.0
1231008211		1	47	<20	<0.01	<10	<10	8	10	451	0.28	3.49	28	8.8	-81	109.1
1122011114		2	26	<20	0.03	<10	<10	21	<10	57	0.43	0.45	40	9.4	26	14.1
1122011118		2	23	<20	0.05	<10	<10	22	<10	66	0.34	0.25	34	9.5	26	7.8
1231009045		1	29	<20	<0.01	<10	<10	6	<10	3510	0.18	4.05	18	8.5	-109	126.6
V835529		1	13	<20	0.26	<10	<10	32	<10	26	0.06					
1122016165		1	24	<20	0.03	<10	<10	7	<10	1150	0.21	1.36	25	9.1	-18	42.5
1231009095		1	36	<20	<0.01	<10	<10	8	<10	1565	0.12	3.33	17	8.8	-87	104.1
1122007038		1	26	<20	<0.01	<10	<10	4	<10	469	1.21	1.60	102	9.2	52	50.0
1122011014		1	25	<20	0.01	<10	<10	14	<10	47	0.51	0.49	43	9.2	28	15.3
1122007092		1	25	<20	<0.01	<10	<10	5	<10	490	0.71	1.83	61	9.1	4	57.2
1231008238		1	48	<20	<0.01	<10	<10	8	<10	155	0.16	2.42	13	8.6	-63	75.6
1122011169		2	38	<20	0.01	<10	<10	16	<10	36	0.59	0.32	54	9.5	44	10.0
1122009016		3	108	<20	0.04	<10	<10	41	<10	117	0.82	0.21	70	9.4	63	6.6
1122009022		2	233	<20	0.01	<10	<10	34	<10	78	0.81	0.25	73	9.0	65	7.8
1122016114		1	48	<20	0.02	<10	<10	9	<10	453	0.24	1.08	31	9.3	-3	33.8
1122009005		2	172	<20	0.04	<10	<10	29	<10	99	0.64	0.28	60	9.4	51	8.8
1122007051		1	24	<20	<0.01	<10	<10	5	<10	906	0.39	2.40	36	8.9	-39	75.0
1122014107		<1	24	<20	<0.01	<10	<10	4	<10	4560	0.80	2.46	57	9.0	-20	76.9
1122011187		1	32	<20	0.02	<10	<10	14	<10	282	0.47	0.39	45	9.5	33	12.2
1231003004		1	17	<20	0.01	<10	<10	5	<10	615	0.06	2.19	10	8.6	-58	68.4
1122016147		1	37	<20	<0.01	<10	<10	7	<10	114	0.60	1.16	58	9.2	22	36.3
1231003066		<1	17	<20	0.01	<10	<10	4	<10	2110	0.07	2.32	10	8.6	-63	72.5
1231003134		1	39	<20	0.01	<10	<10	6	<10	273	0.77	1.09	61	9.1	27	34.1
1122016065		<1	31	<20	<0.01	<10	<10	4	<10	1595	0.47	1.75	45	9.0	-10	54.7

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1122016152		0.77	1
1122014021		0.75	2
1122014105		0.51	2
1231003099		1.01	2
1231003316		1.36	2
1231003342		1.26	2
1122016132		0.88	2
1122014157		0.21	1
1122011143		6.24	2
1122014181		0.51	1
1122016176		0.79	2
1122014101		1.26	2
1122016179		4.67	2
1231003256		0.12	1
1231003355		1.20	2
1230010168		0.18	1
1231008211		0.26	2
1122011114		2.84	2
1122011118		4.35	2
1231009045		0.14	1
V835529			
1122016165		0.59	2
1231009095		0.16	1
1122007038		2.04	3
1122011014		2.81	2
1122007092		1.07	2
1231008238		0.17	1
1122011169		5.40	2
1122009016		10.67	2
1122009022		9.34	2
1122016114		0.92	2
1122009005		6.86	2
1122007051		0.48	2
1122014107		0.74	2
1122011187		3.69	2
1231003004		0.15	1
1122016147		1.60	2
1231003066		0.14	1
1231003134		1.79	2
1122016065		0.82	2

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Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1122016028		0.47		0.285		1.0	1.69	42	<10	210	0.5	<2	1.79	7.5	10	137
V835530		0.06		1.580		9.5	0.99	<2	<10	80	<0.5	4	0.61	<0.5	12	9
1231008234		0.49		0.127		1.4	1.19	10	<10	40	<0.5	2	0.77	5.0	10	174
1122015150		0.48		0.043		0.3	1.14	7	<10	60	<0.5	<2	1.62	1.2	8	278
1230010368		0.47		0.067		0.3	2.54	8	<10	70	<0.5	2	2.18	0.5	16	156
1122018025		0.49		0.337		0.7	1.10	117	<10	30	<0.5	<2	1.15	4.4	8	201
1122018145		0.53		0.356		0.8	1.11	184	<10	30	<0.5	<2	0.42	0.8	8	182
1231009008		0.50		0.186		0.7	1.31	7	<10	40	<0.5	6	0.27	<0.5	8	258
1122018001		0.52		1.085		1.1	1.29	135	<10	20	<0.5	<2	0.51	2.4	8	141
1122015122		0.43	92.6	0.024		0.4	2.55	11	<10	110	<0.5	<2	4.03	0.5	29	160
1231008088		0.46		0.130		0.5	1.91	7	<10	40	<0.5	2	1.11	1.8	10	115
1231008067		0.45		0.380		0.6	2.19	17	<10	50	<0.5	3	1.07	<0.5	9	133
1230010454		0.51		0.141		1.0	0.82	55	<10	30	<0.5	<2	2.06	0.8	8	130
1122018122		0.46		0.325		0.9	1.22	191	<10	30	<0.5	<2	0.55	1.5	9	177
1122018102		0.51		0.981		6.4	1.88	77	<10	30	<0.5	2	0.52	1.7	9	116
1230010382		0.48		0.454		0.7	1.70	18	10	60	<0.5	2	0.97	1.4	9	134
1122018161		0.45		0.438		0.4	2.13	83	<10	40	<0.5	<2	0.49	0.8	11	107
1231008208		0.50		0.174		1.4	1.57	17	<10	40	<0.5	2	0.93	3.2	9	148
1231008162		0.45		0.078		0.6	1.67	11	<10	50	<0.5	4	1.12	0.5	8	120
1230010486		0.48		0.143		2.2	1.11	55	<10	50	<0.5	2	0.22	1.0	9	74
1122015120		0.48		<0.005		1.6	4.18	21	<10	70	<0.5	3	4.12	0.9	41	184
1122015189		0.56		0.073		0.2	1.50	4	<10	70	<0.5	<2	3.08	<0.5	14	235
V835531		0.06		1.220		4.1	0.33	<2	<10	20	<0.5	6	0.38	<0.5	4	5
1231008330		0.48		0.291		2.4	1.25	15	<10	30	<0.5	2	0.64	5.5	9	131
1122014022		0.49		0.140		1.7	0.79	67	<10	40	<0.5	<2	1.08	3.0	7	211
1122015160		0.45		0.015		0.3	1.16	9	<10	50	<0.5	2	1.64	<0.5	9	261
1122015203		0.52		0.026		0.4	1.04	4	<10	50	<0.5	<2	1.64	<0.5	7	262
1230010166		0.50		0.008		0.4	0.51	9	<10	10	<0.5	<2	0.12	<0.5	6	205
1230010237		0.56		0.145		0.6	0.77	36	<10	60	<0.5	<2	0.60	<0.5	7	94
1230010220		0.47		0.141		3.2	0.52	99	<10	30	<0.5	<2	0.30	2.0	9	174
1230010282		0.49		0.111		0.9	1.27	29	<10	70	<0.5	2	3.20	<0.5	17	289
1122014005		0.50		0.376		0.7	1.10	66	<10	20	<0.5	<2	2.69	1.0	9	180
1122015170		0.48		0.007		0.2	1.40	<2	<10	50	<0.5	<2	2.31	<0.5	8	290
1231008150		0.47		0.070		0.7	1.43	13	<10	40	<0.5	3	0.96	1.7	10	159
1122015023		0.47		0.143		1.1	3.14	17	<10	60	<0.5	<2	2.98	1.3	35	172
1231008012		0.48		0.078		0.2	2.44	51	10	40	<0.5	<2	1.04	<0.5	10	125
1230010324		0.51		0.297		0.6	1.52	24	<10	30	<0.5	<2	1.20	1.4	10	150
1230010341		0.49		0.034		0.7	1.75	10	10	40	<0.5	3	1.66	<0.5	17	155
1122016094		0.53		0.296		1.0	2.18	34	<10	50	<0.5	<2	1.63	<0.5	9	131
1122015029		0.49		0.294		0.9	1.09	17	<10	50	<0.5	2	1.74	3.3	9	314

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1122016028		37	2.37	<10	<1	0.67	20	1.32	705	<1	0.02	14	830	42	1.41	<2
V835530		50	2.99	<10	<1	0.20	10	0.43	269	19	0.15	14	610	9	0.05	<2
1231008234		61	2.79	<10	1	0.13	20	0.59	395	1	0.10	13	530	10	2.87	3
1122015150		27	2.18	<10	<1	0.29	10	0.66	363	1	0.05	10	400	3	0.83	<2
1230010368		52	3.14	10	<1	0.23	20	1.33	547	1	0.18	35	640	7	0.36	<2
1122018025		28	2.38	<10	<1	0.24	10	0.74	552	1	0.01	12	390	16	1.81	<2
1122018145		14	2.55	<10	<1	0.27	10	0.65	320	2	0.01	12	430	25	2.02	4
1231009008		119	3.14	<10	<1	0.14	10	0.81	243	3	0.06	11	410	3	2.71	<2
1122018001		62	3.02	<10	<1	0.20	10	0.79	426	2	0.01	13	390	15	2.28	3
1122015122		54	7.03	10	<1	0.21	20	1.78	1160	<1	0.09	50	970	5	1.27	<2
1231008088		74	3.02	<10	<1	0.14	20	0.76	347	<1	0.10	11	570	5	3.13	<2
1231008067		109	3.24	10	<1	0.19	10	0.79	324	2	0.11	9	380	7	3.01	<2
1230010454		23	2.04	<10	<1	0.17	10	0.60	965	1	0.02	11	460	28	1.88	<2
1122018122		30	2.71	<10	<1	0.32	10	0.65	347	1	0.01	12	410	26	2.14	2
1122018102		641	3.41	<10	<1	0.24	10	1.21	615	1	0.02	13	400	12	2.01	<2
1230010382		54	2.17	<10	<1	0.25	10	0.67	519	1	0.05	10	640	20	1.18	<2
1122018161		22	2.59	10	<1	0.27	10	1.22	606	<1	0.02	14	370	9	1.18	<2
1231008208		63	2.69	<10	<1	0.13	10	0.65	387	1	0.10	11	440	7	2.94	<2
1231008162		48	2.49	<10	<1	0.17	10	0.78	303	<1	0.11	9	400	7	2.63	<2
1230010486		53	1.86	<10	<1	0.28	20	0.35	396	2	0.05	13	560	21	1.97	2
1122015120		123	10.70	10	<1	0.36	<10	1.94	1785	1	0.25	67	810	9	2.76	2
1122015189		24	2.86	10	<1	0.19	20	1.22	564	<1	0.05	30	730	2	0.06	<2
V835531		22	1.33	<10	<1	0.06	<10	0.09	109	6	0.08	6	300	<2	<0.01	<2
1231008330		87	2.47	<10	<1	0.12	10	0.72	614	1	0.07	10	620	9	2.58	<2
1122014022		76	1.45	<10	<1	0.33	10	0.25	397	1	0.01	10	410	11	1.23	3
1122015160		25	2.13	10	<1	0.27	10	0.59	341	1	0.06	14	400	4	0.47	<2
1122015203		25	1.82	<10	<1	0.18	10	0.77	397	1	0.07	14	360	4	0.45	<2
1230010166		9	0.56	<10	<1	0.04	<10	0.08	71	1	0.01	7	410	2	0.24	2
1230010237		19	1.71	<10	<1	0.17	10	0.39	715	1	0.02	10	420	13	1.47	<2
1230010220		39	2.40	<10	<1	0.16	10	0.25	2280	<1	0.02	12	450	106	2.07	4
1230010282		29	2.86	<10	<1	0.19	20	2.17	1615	1	0.02	62	800	9	1.46	2
1122014005		38	1.97	<10	<1	0.19	10	0.85	1125	2	0.01	12	400	14	1.35	<2
1122015170		23	2.00	10	<1	0.15	20	0.79	357	1	0.08	12	560	2	0.11	<2
1231008150		45	3.01	<10	<1	0.12	20	0.68	302	1	0.11	11	550	7	3.18	<2
1122015023		130	9.03	10	<1	0.25	10	2.03	1400	2	0.10	53	730	8	2.11	4
1231008012		32	2.04	10	<1	0.14	10	0.95	384	5	0.07	12	460	7	0.89	4
1230010324		39	2.80	10	<1	0.21	20	1.28	971	1	0.03	16	470	73	2.05	<2
1230010341		80	3.30	10	<1	0.26	10	1.39	1220	1	0.03	27	570	8	0.98	<2
1122016094		24	2.09	10	<1	0.25	10	0.67	588	1	0.15	12	460	29	1.39	2
1122015029		55	2.80	<10	<1	0.26	10	0.68	514	3	0.04	13	380	3	1.35	<2

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Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1122016028		2	176	<20	0.07	<10	<10	19	<10	1885	0.43	1.42	49	9.4	5	44.4
V835530		2	20	<20	0.43	<10	<10	71	<10	50	0.05					
1231008234		1	41	<20	<0.01	<10	<10	7	<10	1175	0.17	2.92	16	8.6	-75	91.3
1122015150		1	27	<20	0.03	<10	<10	13	<10	288	0.44	0.78	44	9.4	20	24.4
1230010368		4	72	<20	0.12	<10	<10	67	<10	89	0.46	0.32	44	8.5	34	10.0
1122018025		1	16	<20	0.01	<10	<10	5	<10	1105	0.33	1.65	29	8.8	-23	51.6
1122018145		1	12	<20	<0.01	<10	<10	5	<10	203	0.10	1.82	12	8.8	-45	56.9
1231009008		1	29	<20	<0.01	<10	<10	8	<10	38	0.07	2.63	8	8.4	-74	82.2
1122018001		<1	16	<20	<0.01	<10	<10	5	<10	502	0.17	2.19	15	8.6	-53	68.4
1122015122		9	161	<20	0.06	<10	<10	146	<10	141	1.56	1.25	164	8.8	125	39.1
1231008088		1	73	<20	<0.01	<10	<10	9	<10	481	0.19	3.22	21	8.7	-80	100.6
1231008067		1	91	<20	<0.01	<10	<10	7	<10	45	0.15	3.14	19	8.6	-79	98.1
1230010454		<1	33	<20	<0.01	<10	<10	4	<10	194	0.67	1.90	57	8.7	-2	59.4
1122018122		1	14	<20	0.01	<10	<10	6	<10	361	0.15	2.07	16	8.7	-49	64.7
1122018102		1	17	<20	0.01	<10	<10	7	<10	399	0.13	1.97	16	8.7	-46	61.6
1230010382		1	61	<20	0.01	<10	<10	11	<10	581	0.18	1.15	22	8.6	-14	35.9
1122018161		1	17	<20	<0.01	<10	<10	9	<10	240	0.09	1.12	15	8.8	-20	35.0
1231008208		1	50	<20	<0.01	<10	<10	8	<10	763	0.18	3.02	20	8.7	-74	94.4
1231008162		1	64	<20	<0.01	<10	<10	7	<10	89	0.24	2.73	29	9.0	-56	85.3
1230010486		1	38	<20	<0.01	<10	<10	5	<10	293	0.03	1.88	8	8.5	-51	58.8
1122015120		16	147	<20	0.13	<10	<10	263	<10	272	1.51	2.90	178	8.5	87	90.6
1122015189		3	106	<20	0.02	<10	<10	43	<10	76	1.05	0.06	86	9.2	84	1.9
V835531		1	12	<20	0.25	<10	<10	30	<10	22	0.06					
1231008330		1	31	<20	<0.01	<10	<10	6	<10	1320	0.15	2.61	16	8.6	-66	81.6
1122014022		<1	21	<20	<0.01	<10	<10	4	<10	640	0.39	1.14	28	9.0	-8	35.6
1122015160		1	29	<20	0.03	<10	<10	15	<10	102	0.48	0.44	45	9.4	31	13.8
1122015203		2	32	<20	0.02	<10	<10	21	<10	81	0.56	0.41	50	9.3	37	12.8
1230010166		<1	10	<20	<0.01	<10	<10	3	<10	19	<0.01	0.23	2	7.4	-5	7.2
1230010237		<1	19	<20	<0.01	<10	<10	3	<10	64	0.21	1.61	17	8.7	-33	50.3
1230010220		<1	17	<20	<0.01	<10	<10	3	<10	475	0.24	2.13	15	8.3	-52	66.6
1230010282		5	111	<20	<0.01	<10	<10	32	<10	79	1.78	1.47	145	9.1	99	45.9
1122014005		<1	25	<20	<0.01	<10	<10	5	<10	259	0.90	1.28	70	8.9	30	40.0
1122015170		1	56	<20	0.01	<10	<10	15	<10	63	0.74	0.09	59	9.4	56	2.8
1231008150		1	56	<20	<0.01	<10	<10	7	<10	397	0.20	3.35	20	8.8	-85	104.7
1122015023		13	72	<20	0.12	<10	<10	206	10	319	1.24	2.11	152	8.5	86	65.9
1231008012		1	87	<20	0.01	<10	<10	11	<10	83	0.13	0.86	17	8.8	-10	26.9
1230010324		2	24	<20	0.02	<10	<10	18	<10	454	0.22	2.02	33	8.6	-30	63.1
1230010341		6	29	<20	0.03	<10	<10	45	<10	88	0.50	1.00	48	8.2	17	31.3
1122016094		1	91	<20	0.01	<10	<10	10	<10	96	0.27	1.37	30	8.8	-13	42.8
1122015029		1	33	<20	0.03	<10	<10	15	<10	882	0.64	1.33	51	9.0	9	41.6

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EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1122016028		1.10	2
V835530			
1231008234		0.18	1
1122015150		1.81	2
1230010368		4.40	2
1122018025		0.56	2
1122018145		0.21	1
1231009008		0.10	1
1122018001		0.22	1
1122015122		4.20	3
1231008088		0.21	1
1231008067		0.19	1
1230010454		0.96	2
1122018122		0.25	1
1122018102		0.26	1
1230010382		0.61	1
1122018161		0.43	1
1231008208		0.21	1
1231008162		0.34	2
1230010486		0.14	1
1122015120		1.96	3
1122015189		45.87	2
V835531			
1231008330		0.20	1
1122014022		0.79	2
1122015160		3.27	2
1122015203		3.90	2
1230010166		0.28	1
1230010237		0.34	1
1230010220		0.23	1
1230010282		3.16	3
1122014005		1.75	2
1122015170		20.98	2
1231008150		0.19	1
1122015023		2.31	3
1231008012		0.63	1
1230010324		0.52	2
1230010341		1.54	2
1122016094		0.70	2
1122015029		1.23	2

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
V835532		0.06		1.015		2.4	1.12	<2	<10	80	<0.5	2	0.72	<0.5	13	9
1230010449		0.45		0.083		1.3	1.70	16	10	30	<0.5	2	0.56	<0.5	8	94
1230010402		0.49		0.166		0.7	1.70	25	10	60	<0.5	<2	1.07	<0.5	8	76
1231008274		0.52		0.179		0.7	1.60	22	10	60	<0.5	<2	1.02	0.5	8	73
1231009118		0.46		0.026		0.8	1.24	3	<10	50	<0.5	10	0.49	<0.5	9	190
1231009207		0.49		0.125		1.8	1.36	16	<10	30	<0.5	3	0.25	3.0	13	142
1122018206		0.52		1.260		0.4	1.58	57	<10	20	<0.5	<2	0.70	2.4	9	86
1230010496		0.47		0.147		3.5	1.34	61	10	50	<0.5	<2	0.86	1.5	10	155
1230010437		0.47		0.035		0.5	1.82	13	10	30	<0.5	<2	0.77	<0.5	8	109
1122018173		0.46		1.595		1.3	1.71	109	<10	30	<0.5	2	0.48	4.2	11	53
1122001134		0.42		0.502		1.9	1.09	31	<10	50	<0.5	3	2.15	1.8	8	89
1122018215		0.52		0.982		3.9	0.84	139	<10	30	<0.5	2	1.17	9.6	6	123
1230010393		0.55		0.039		0.3	1.93	12	10	40	<0.5	<2	1.39	<0.5	8	85
1122018190		0.43		0.144		0.4	1.37	69	<10	30	<0.5	<2	0.86	0.9	7	147
1231008225		0.50		0.302		1.0	1.47	12	<10	40	<0.5	5	0.49	<0.5	9	122
1231009077		0.43		0.567		0.9	1.43	11	<10	40	<0.5	5	0.52	<0.5	9	139
1231008290		0.44		0.773		1.1	1.61	10	<10	40	<0.5	7	0.60	<0.5	8	152
1230010027		0.43		1.270		1.3	0.70	84	<10	50	<0.5	2	0.48	13.2	8	140
1122019149		0.46		0.150		0.6	2.40	37	<10	40	<0.5	<2	1.92	<0.5	8	112
1122019208		0.41	75.6	1.260		1.5	0.77	81	<10	20	<0.5	<2	1.77	2.3	10	59
1122019010		0.43	93.4	0.244		1.0	1.47	44	<10	40	<0.5	<2	1.27	2.1	6	98
1231008105		0.38	95.3	0.413		2.3	1.80	16	<10	60	<0.5	3	1.54	7.5	7	51
1122019006		0.46		0.433		1.3	1.21	65	<10	40	<0.5	<2	1.29	13.3	7	83
V835533		0.06		1.615		10.1	1.00	<2	<10	80	<0.5	3	0.62	<0.5	11	9
1122008118		0.50		0.782		1.7	0.76	53	<10	40	<0.5	<2	2.19	2.2	7	113
1122008164		0.47		0.057		0.5	1.50	18	<10	50	<0.5	<2	1.38	8.4	7	179
1122009066		0.44		0.280		0.7	2.47	50	<10	50	<0.5	<2	1.16	0.9	10	95
1122009083		0.55		0.311		0.6	2.90	29	<10	50	<0.5	<2	1.77	<0.5	10	107
1122012158		0.48		0.211		0.5	1.66	31	<10	40	<0.5	<2	1.56	0.8	5	84
1122009113		0.48		0.191		0.6	2.24	34	<10	50	<0.5	<2	1.79	<0.5	9	112
1122012022		0.48		2.48		1.1	2.46	59	<10	70	<0.5	<2	2.05	2.0	10	175
1231009018		0.48		0.124		1.9	1.28	27	<10	30	<0.5	2	0.50	4.3	10	107
1231009049		0.52		0.406		3.6	1.27	24	<10	30	<0.5	3	0.65	20.0	12	153
1231009017		0.46		0.142		0.9	1.55	11	<10	30	<0.5	<2	0.43	1.7	14	199
1122009061		0.47		0.127		1.2	3.59	10	<10	80	<0.5	2	2.90	1.0	34	115
1122011196		0.40		0.022		0.2	1.29	6	<10	70	<0.5	<2	1.35	<0.5	8	269
1122011026		0.46		0.044		0.3	1.72	11	<10	200	<0.5	<2	2.90	<0.5	15	253
1122009054		0.48		0.086		0.5	1.43	11	<10	80	<0.5	<2	2.06	<0.5	10	193
1122011217		0.47		0.028		0.2	1.22	3	<10	70	<0.5	<2	1.36	<0.5	7	350
1122009028		0.48		0.285		0.7	1.89	57	<10	50	<0.5	<2	1.43	1.4	9	74

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
V835532		58	3.14	10	<1	0.27	10	0.55	300	11	0.10	17	720	7	0.08	<2
1230010449		15	2.03	<10	<1	0.15	20	0.64	400	1	0.04	8	480	8	1.21	<2
1230010402		38	1.87	<10	<1	0.24	10	0.67	443	1	0.04	9	480	34	1.21	<2
1231008274		37	1.81	<10	<1	0.23	10	0.63	424	1	0.04	9	470	32	1.18	<2
1231009118		15	3.25	<10	<1	0.16	20	0.87	247	1	0.07	10	540	6	3.38	<2
1231009207		139	2.67	<10	<1	0.11	20	0.99	296	1	0.04	22	720	14	2.66	<2
1122018206		30	2.62	<10	<1	0.18	10	1.17	615	1	0.01	12	390	8	1.06	<2
1230010496		40	2.33	<10	<1	0.26	10	0.73	673	1	0.04	19	500	37	2.08	<2
1230010437		22	2.11	<10	<1	0.15	20	0.79	533	1	0.03	9	490	14	1.07	<2
1122018173		67	2.79	<10	<1	0.27	10	1.07	530	1	0.02	15	390	15	1.63	2
1122001134		35	1.92	<10	<1	0.33	10	0.60	1200	1	0.03	11	420	149	1.90	<2
1122018215		140	2.37	<10	<1	0.31	10	0.40	576	<1	0.01	7	380	26	2.39	<2
1230010393		17	1.68	<10	<1	0.19	20	0.82	452	<1	0.04	8	520	13	0.55	<2
1122018190		28	2.07	<10	<1	0.25	10	0.73	412	1	0.02	8	400	17	1.54	2
1231008225		177	3.27	<10	<1	0.15	10	0.68	250	2	0.06	10	440	4	3.13	<2
1231009077		268	2.89	<10	<1	0.13	10	0.73	308	3	0.10	11	390	5	2.17	<2
1231008290		211	3.41	<10	<1	0.14	10	0.87	302	2	0.08	9	390	5	2.89	<2
1230010027		76	2.13	<10	<1	0.28	20	0.31	678	1	0.01	12	470	8	2.02	<2
1122019149		23	1.96	10	<1	0.26	10	1.20	716	<1	0.12	10	410	48	1.06	<2
1122019208		44	2.45	<10	<1	0.25	10	0.70	1315	1	0.01	9	380	77	2.14	2
1122019010		26	1.64	<10	<1	0.31	10	0.68	536	<1	0.03	6	400	217	1.38	2
1231008105		311	1.86	<10	<1	0.23	20	0.78	550	1	0.08	10	580	25	1.96	<2
1122019006		65	2.07	<10	<1	0.34	10	0.78	757	<1	0.01	8	350	71	1.55	3
V835533		51	2.97	<10	<1	0.20	10	0.43	272	20	0.15	14	620	7	0.07	<2
1122008118		95	2.09	<10	1	0.25	10	0.83	911	1	0.03	10	390	244	2.22	3
1122008164		30	1.78	<10	<1	0.19	10	0.68	323	1	0.13	9	370	20	1.11	<2
1122009066		28	2.48	10	<1	0.21	20	0.87	620	1	0.07	11	570	23	1.34	2
1122009083		24	2.29	10	<1	0.27	20	0.88	521	1	0.17	11	550	22	0.92	<2
1122012158		26	1.59	<10	<1	0.41	10	1.11	961	1	0.03	7	370	60	1.09	3
1122009113		31	2.28	10	<1	0.21	20	0.78	502	1	0.15	11	510	12	0.83	3
1122012022		391	2.68	10	1	0.27	20	1.08	684	9	0.11	15	780	36	1.55	<2
1231009018		120	2.66	<10	1	0.13	20	0.77	490	<1	0.08	11	490	9	2.80	<2
1231009049		388	3.08	<10	<1	0.12	20	0.88	306	1	0.07	14	660	12	3.36	2
1231009017		81	2.58	<10	<1	0.11	20	1.16	455	1	0.08	35	680	8	2.32	<2
1122009061		99	8.38	10	1	0.39	10	1.41	1305	1	0.15	53	790	8	0.92	<2
1122011196		34	2.15	10	<1	0.29	10	0.68	411	1	0.06	10	390	4	0.39	<2
1122011026		46	2.96	10	1	0.58	20	1.55	554	1	0.05	38	760	3	0.55	3
1122009054		25	2.31	10	<1	0.32	20	0.67	642	2	0.08	16	450	4	0.64	<2
1122011217		22	2.11	10	<1	0.22	10	0.71	285	1	0.06	14	420	2	0.18	<2
1122009028		24	2.14	<10	<1	0.28	20	0.79	632	<1	0.05	9	520	33	1.43	<2

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
V835532		3	17	<20	0.36	<10	<10	78	<10	51	0.04					
1230010449		1	57	<20	<0.01	<10	<10	7	<10	84	0.06	1.19	12	8.5	-25	37.2
1230010402		1	57	<20	0.01	<10	<10	11	<10	242	0.19	1.12	22	8.4	-13	35.0
1231008274		1	54	<20	0.01	<10	<10	10	<10	235	0.19	1.17	23	8.4	-14	36.6
1231009118		1	23	<20	<0.01	<10	<10	7	<10	62	0.13	3.52	16	8.7	-94	110.0
1231009207		1	17	<20	<0.01	<10	<10	11	<10	755	0.04	2.64	10	8.3	-73	82.5
1122018206		1	11	<20	0.01	<10	<10	6	<10	611	0.20	0.96	22	8.9	-8	30.0
1230010496		1	35	<20	<0.01	<10	<10	10	<10	440	0.25	2.05	27	8.6	-37	64.1
1230010437		1	40	<20	<0.01	<10	<10	9	<10	119	0.12	0.99	16	8.3	-15	30.9
1122018173		1	14	<20	<0.01	<10	<10	7	<10	994	0.16	1.58	15	8.9	-34	49.4
1122001134		1	26	<20	<0.01	<10	<10	5	<10	454	0.82	1.87	63	9.0	5	58.4
1122018215		<1	19	<20	<0.01	<10	<10	3	<10	2250	0.34	2.38	32	8.8	-42	74.4
1230010393		1	55	<20	0.01	<10	<10	10	<10	126	0.27	0.49	31	8.6	16	15.3
1122018190		1	26	<20	<0.01	<10	<10	6	<10	229	0.20	1.51	20	8.8	-27	47.2
1231008225		1	41	<20	<0.01	<10	<10	7	<10	53	0.08	3.07	12	8.5	-84	95.9
1231009077		1	43	<20	0.01	<10	<10	12	10	52	0.10	2.15	15	8.6	-52	67.2
1231008290		1	40	<20	0.01	<10	<10	9	<10	43	0.11	2.98	15	8.7	-78	93.1
1230010027		1	14	<20	<0.01	<10	<10	6	<10	3550	0.22	1.98	18	8.7	-44	61.9
1122019149		1	56	<20	0.02	<10	<10	15	<10	156	0.40	1.04	41	9.1	9	32.5
1122019208		<1	29	<20	<0.01	<10	<10	3	<10	577	0.76	2.20	58	8.9	-11	68.8
1122019010		1	34	<20	0.01	<10	<10	6	<10	556	0.28	1.36	30	9.1	-13	42.5
1231008105		1	60	<20	0.01	<10	<10	7	<10	1985	0.45	1.96	38	8.4	-23	61.3
1122019006		1	24	<20	0.02	<10	<10	5	<10	3100	0.43	1.51	35	9.1	-12	47.2
V835533		2	21	<20	0.44	<10	<10	73	<10	53	0.03					
1122008118		1	28	<20	<0.01	<10	<10	4	<10	521	1.09	2.30	81	9.0	9	71.9
1122008164		1	64	<20	<0.01	<10	<10	8	<10	1340	0.39	1.07	32	8.9	-1	33.4
1122009066		1	44	<20	0.01	<10	<10	12	<10	294	0.14	1.32	18	8.9	-23	41.3
1122009083		1	71	<20	0.04	<10	<10	16	10	107	0.17	0.89	27	9.0	-1	27.8
1122012158		1	42	<20	0.02	<10	<10	7	<10	239	0.44	1.09	41	9.1	7	34.1
1122009113		1	69	<20	0.01	<10	<10	15	<10	141	0.36	0.80	37	9.1	12	25.0
1122012022		2	110	<20	0.04	<10	<10	19	<10	504	0.54	1.57	39	9.0	-10	49.1
1231009018		1	32	<20	<0.01	<10	<10	7	<10	960	0.14	3.08	15	8.7	-81	96.3
1231009049		1	29	<20	<0.01	<10	<10	9	<10	4630	0.16	3.76	17	8.6	-101	117.5
1231009017		2	31	<20	<0.01	<10	<10	21	<10	447	0.11	2.43	14	8.8	-62	75.9
1122009061		13	94	<20	0.17	<10	<10	194	<10	353	0.70	0.91	106	8.9	78	28.4
1122011196		2	29	<20	0.05	<10	<10	18	<10	106	0.43	0.36	41	9.3	30	11.3
1122011026		4	94	<20	0.07	<10	<10	43	<10	78	0.92	0.49	78	9.5	63	15.3
1122009054		2	66	<20	0.04	<10	<10	22	<10	97	0.62	0.57	56	9.2	38	17.8
1122011217		2	32	<20	0.04	<10	<10	22	<10	37	0.43	0.16	39	9.6	34	5.0
1122009028		1	36	<20	<0.01	<10	<10	10	<10	354	0.32	1.40	36	8.9	-8	43.8

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
V835532			
1230010449		0.32	1
1230010402		0.63	1
1231008274		0.63	1
1231009118		0.15	1
1231009207		0.12	1
1122018206		0.73	1
1230010496		0.42	2
1230010437		0.52	1
1122018173		0.30	1
1122001134		1.08	2
1122018215		0.43	2
1230010393		2.02	2
1122018190		0.42	1
1231008225		0.13	1
1231009077		0.22	1
1231008290		0.16	1
1230010027		0.29	1
1122019149		1.26	2
1122019208		0.84	2
1122019010		0.71	2
1231008105		0.62	2
1122019006		0.74	2
V835533			
1122008118		1.13	2
1122008164		0.96	2
1122009066		0.44	1
1122009083		0.97	2
1122012158		1.20	2
1122009113		1.48	2
1122012022		0.79	2
1231009018		0.16	1
1231009049		0.14	1
1231009017		0.18	1
1122009061		3.73	3
1122011196		3.64	2
1122011026		5.09	2
1122009054		3.14	2
1122011217		7.80	2
1122009028		0.82	2

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1122009031		0.46		0.123		0.8	1.61	29	<10	60	<0.5	<2	2.06	<0.5	8	150
1231009055		0.48		0.074		0.8	1.32	16	<10	40	<0.5	<2	0.83	1.6	9	133
1129009304		0.44		0.223		0.9	2.56	92	<10	50	<0.5	<2	1.55	1.1	9	104
1122007124		0.46		0.640		1.3	1.04	50	<10	40	<0.5	<2	2.56	3.8	7	107
V835534		0.06		1.600		10.0	1.03	<2	<10	80	<0.5	<2	0.64	<0.5	12	9
1123019045		0.42		1.845		2.9	1.95	85	<10	30	<0.5	<2	0.28	0.9	8	106
1232007522		0.45		0.105		0.4	1.03	7	<10	30	<0.5	<2	0.61	1.1	8	503
1122005001		0.47		0.026		0.2	1.21	5	<10	50	<0.5	<2	1.76	<0.5	6	188
1122002001		0.45		1.405		2.8	1.01	23	<10	50	<0.5	<2	2.11	2.3	8	110
1122002018		0.49		0.377		3.0	0.89	26	<10	40	<0.5	<2	2.00	2.8	7	125
1122002104		0.48		0.413		2.3	0.65	74	<10	40	<0.5	<2	2.38	4.6	9	129
1122005016		0.41		0.045		0.5	1.92	31	10	40	<0.5	<2	1.67	<0.5	8	122
1232007385		0.69		0.051		0.5	1.20	7	<10	60	<0.5	4	0.31	0.9	10	147
1123023145		0.67		0.791		1.0	0.63	76	<10	20	<0.5	<2	2.10	1.2	7	213
1232007406		0.47		0.453		1.3	1.35	14	<10	60	<0.5	4	0.95	6.5	7	194
1122005014		0.68		0.086		0.5	1.86	37	10	50	<0.5	<2	2.02	1.7	7	164
1122005087		0.69		0.123		0.9	0.91	65	<10	30	<0.5	<2	2.44	1.3	6	87
1123023026		0.68		0.078		1.5	1.12	63	<10	30	<0.5	<2	1.86	1.1	6	98
1123023033		0.69		0.090		0.4	1.77	43	<10	30	<0.5	<2	1.52	<0.5	8	87
1123023109		0.68		0.046		0.4	2.01	8	<10	60	<0.5	<2	1.81	0.5	11	149
1122019050		0.41		0.207		1.0	0.96	40	<10	40	<0.5	<2	1.35	4.8	6	71
V835535		0.06		0.947		2.4	1.08	<2	<10	80	<0.5	4	0.67	<0.5	13	8
1231003024		0.69		0.525		0.9	0.36	124	<10	60	<0.5	<2	1.01	0.6	8	152
1122012128		0.47		0.235		1.1	1.62	35	<10	70	<0.5	<2	1.02	11.6	9	138
1122012010		0.66		1.390		4.0	0.93	101	<10	60	<0.5	<2	0.99	3.7	10	187
1122012038		0.67		0.761		1.2	1.31	44	<10	30	<0.5	<2	1.47	2.0	6	133
1122010025		0.72		0.153		0.4	2.71	25	<10	30	<0.5	<2	1.99	2.5	9	184
1122010006		0.64		1.855		4.2	1.96	44	<10	30	<0.5	9	1.64	1.5	9	290
1231008085		0.69		0.096		0.8	1.35	8	<10	30	<0.5	3	0.82	2.0	9	143
1122012108		0.70	91.6	0.394		1.5	1.07	50	<10	20	<0.5	2	0.84	17.4	7	235
1122012086		0.65		0.917		1.2	1.04	40	<10	60	<0.5	<2	2.10	5.0	7	119
1122012063		0.46		0.499		1.0	1.96	60	<10	40	<0.5	<2	1.41	3.5	9	84
1122012112		0.46		1.095		1.2	1.64	33	<10	60	<0.5	<2	1.95	2.0	7	108
1122009089		0.48		0.165		0.7	3.00	31	<10	50	<0.5	<2	1.79	<0.5	10	137
1122010266		0.46		1.415		1.3	1.63	52	<10	40	<0.5	2	2.28	3.6	8	113
1122010270		0.47		1.380		0.7	2.52	32	<10	40	<0.5	2	1.56	1.1	8	137
1122007026		0.42		0.795		0.9	1.20	68	<10	60	<0.5	<2	1.93	1.2	12	96
1122010143		0.48		0.079		2.4	2.47	23	<10	40	<0.5	6	1.99	0.8	8	97
1122009133		0.46		0.241		1.0	2.28	41	<10	60	<0.5	<2	1.70	<0.5	8	104
1122009159		0.46		0.065		0.5	1.24	12	<10	60	<0.5	<2	1.77	0.6	14	176

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1122009031		24	1.86	<10	<1	0.27	10	0.61	701	1	0.11	9	390	20	1.09	3
1231009055		79	2.61	<10	1	0.16	20	0.76	383	1	0.09	10	510	5	2.76	<2
1129009304		32	2.50	10	<1	0.26	20	0.89	561	1	0.12	10	570	37	1.67	2
1122007124		56	1.97	<10	<1	0.32	10	0.90	1320	1	0.02	10	410	76	1.74	<2
V835534		52	3.02	<10	<1	0.20	10	0.43	273	20	0.16	13	600	7	0.07	<2
1123019045		185	2.85	<10	1	0.21	10	1.42	593	<1	0.01	13	360	11	1.27	5
1232007522		146	2.69	<10	<1	0.10	10	0.83	384	3	0.04	12	390	<2	1.89	<2
1122005001		14	1.97	<10	<1	0.14	10	0.66	405	1	0.05	10	400	4	0.36	<2
1122002001		64	1.94	<10	1	0.34	10	0.94	1315	1	0.03	10	390	36	1.94	<2
1122002018		32	1.99	<10	1	0.24	10	0.69	999	1	0.02	10	410	23	2.01	<2
1122002104		112	2.49	<10	1	0.26	10	0.96	1305	1	0.02	12	420	19	2.56	<2
1122005016		16	1.72	<10	1	0.21	10	0.77	422	1	0.11	11	390	15	0.64	<2
1232007385		23	2.84	<10	<1	0.19	20	0.97	307	2	0.04	10	530	2	2.83	<2
1123023145		33	1.96	<10	<1	0.29	10	0.78	1720	1	0.01	8	390	65	1.50	2
1232007406		131	3.17	<10	1	0.19	10	0.83	524	1	0.11	9	410	9	3.15	2
1122005014		18	1.79	<10	<1	0.22	10	0.95	528	1	0.07	9	360	30	1.02	3
1122005087		17	1.58	<10	1	0.17	10	0.69	585	1	0.04	9	360	21	1.13	2
1123023026		20	1.94	<10	<1	0.28	10	0.62	1035	1	0.02	9	390	135	1.65	3
1123023033		19	1.78	<10	<1	0.22	20	0.82	505	1	0.11	8	410	33	1.06	2
1123023109		54	3.03	10	<1	0.25	20	0.74	555	1	0.14	18	590	7	0.44	<2
1122019050		28	1.61	<10	<1	0.34	10	0.50	654	1	0.01	6	390	142	1.55	2
V835535		57	3.06	<10	<1	0.26	10	0.53	295	11	0.10	16	720	9	0.07	<2
1231003024		21	1.58	<10	<1	0.25	10	0.17	804	1	<0.01	10	380	83	1.58	<2
1122012128		73	2.35	<10	<1	0.32	20	0.96	504	1	0.04	10	520	30	1.63	<2
1122012010		136	3.90	<10	<1	0.27	10	0.63	470	1	<0.01	19	500	93	3.30	<2
1122012038		44	1.63	<10	<1	0.24	10	1.01	885	<1	0.01	7	360	298	0.92	2
1122010025		37	2.02	10	<1	0.15	10	0.66	484	2	0.26	14	370	26	1.48	<2
1122010006		43	2.59	<10	<1	0.15	10	0.51	398	2	0.20	14	440	124	2.34	3
1231008085		49	2.62	<10	<1	0.09	20	0.74	379	1	0.05	10	580	7	2.67	<2
1122012108		42	2.59	<10	<1	0.15	10	0.81	576	1	0.01	9	390	24	1.84	4
1122012086		52	1.79	<10	<1	0.31	10	0.90	1000	1	0.01	8	460	91	1.37	<2
1122012063		43	2.38	<10	<1	0.27	20	0.87	708	1	0.05	10	500	56	1.54	<2
1122012112		37	1.69	<10	<1	0.33	10	0.96	897	1	0.04	9	480	49	1.11	2
1122009089		24	2.29	10	<1	0.22	20	0.89	474	<1	0.14	11	560	21	1.16	<2
1122010266		83	2.04	<10	<1	0.27	10	0.74	1020	2	0.10	12	420	82	1.70	<2
1122010270		82	1.89	10	<1	0.22	10	0.69	453	1	0.28	12	390	30	1.39	<2
1122007026		47	2.40	<10	<1	0.29	20	0.75	784	1	0.03	20	650	93	1.75	<2
1122010143		34	1.87	10	<1	0.22	10	0.55	521	1	0.26	11	420	91	1.71	2
1122009133		25	1.87	10	<1	0.26	10	0.71	505	1	0.10	10	480	28	1.06	2
1122009159		28	1.87	<10	<1	0.20	10	0.67	497	2	0.07	12	420	5	0.61	<2

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1122009031		1	67	<20	0.01	<10	<10	9	<10	103	0.55	1.07	50	9.1	17	33.4
1231009055		1	34	<20	<0.01	<10	<10	7	<10	386	0.21	2.88	24	8.6	-66	90.0
1129009304		1	67	<20	0.03	<10	<10	12	<10	302	0.17	1.72	27	9.0	-27	53.8
1122007124		1	28	<20	<0.01	<10	<10	5	<10	783	1.08	1.71	80	9.2	27	53.4
V835534		2	22	<20	0.44	<10	<10	73	<10	50	0.02					
1123019045		1	12	<20	<0.01	<10	<10	8	<10	308	0.11	1.23	11	8.8	-27	38.4
1232007522		1	19	<20	0.01	<10	<10	12	<10	355	0.58	1.97	18	8.8	-44	61.6
1122005001		1	30	<20	0.01	<10	<10	15	<10	89	0.55	0.32	48	9.4	38	10.0
1122002001		1	30	<20	<0.01	<10	<10	5	<10	585	1.11	1.93	81	9.3	21	60.3
1122002018		<1	19	<20	<0.01	<10	<10	4	<10	661	0.84	2.06	64	8.9	0	64.4
1122002104		1	27	<20	<0.01	<10	<10	3	<10	1205	1.21	2.51	87	9.3	9	78.4
1122005016		1	55	<20	0.01	<10	<10	9	<10	95	0.37	0.62	37	9.2	18	19.4
1232007385		1	14	<20	0.01	<10	<10	8	<10	280	0.09	2.90	12	8.9	-79	90.6
1123023145		1	28	<20	<0.01	<10	<10	3	<10	353	1.12	1.42	80	9.0	36	44.4
1232007406		1	41	<20	0.01	<10	<10	12	<10	1725	0.23	3.18	28	9.0	-71	99.4
1122005014		1	45	<20	0.01	<10	<10	6	<10	405	0.47	0.98	46	9.1	15	30.6
1122005087		1	48	<20	<0.01	<10	<10	4	<10	313	0.85	1.15	68	9.2	32	35.9
1123023026		1	26	<20	<0.01	<10	<10	4	<10	360	0.65	1.63	51	8.8	0	50.9
1123023033		1	53	<20	<0.01	<10	<10	8	<10	79	0.36	0.97	33	9.3	3	30.3
1123023109		3	131	<20	0.08	<10	<10	51	<10	219	0.40	0.40	36	9.3	24	12.5
1122019050		<1	21	<20	<0.01	<10	<10	4	<10	1240	0.44	1.57	38	9.3	-11	49.1
V835535		2	16	<20	0.34	<10	<10	75	<10	50	0.05					
1231003024		<1	67	<20	<0.01	<10	<10	2	<10	143	0.43	1.68	33	9.1	-20	52.5
1122012128		1	62	<20	0.02	<10	<10	10	<10	2900	0.23	1.69	28	8.8	-25	52.8
1122012010		1	30	<20	0.01	<10	<10	13	<10	901	0.30	3.49	29	8.6	-80	109.1
1122012038		1	32	<20	0.01	<10	<10	6	<10	574	0.42	0.87	39	9.1	12	27.2
1122010025		1	59	<20	0.01	<10	<10	7	<10	626	0.33	1.50	33	9.0	-14	46.9
1122010006		<1	53	<20	0.02	<10	<10	5	<10	397	0.28	2.24	27	8.6	-43	70.0
1231008085		1	40	<20	<0.01	<10	<10	7	<10	481	0.35	2.75	17	8.7	-69	85.9
1122012108		<1	15	<20	0.02	<10	<10	5	<10	4300	0.23	1.86	23	8.8	-35	58.1
1122012086		1	69	<20	0.01	<10	<10	7	<10	1320	0.74	1.34	60	9.2	18	41.9
1122012063		1	45	<20	0.01	<10	<10	8	<10	1085	0.30	1.48	34	9.1	-12	46.3
1122012112		1	70	<20	0.02	<10	<10	9	<10	533	0.52	1.12	49	9.3	14	35.0
1122009089		1	63	<20	0.03	<10	<10	15	<10	95	0.11	1.10	-4	9.1	-38	34.4
1122010266		1	32	<20	<0.01	<10	<10	5	<10	854	0.63	1.56	54	9.0	5	48.8
1122010270		1	46	<20	0.01	<10	<10	6	<10	309	0.19	1.34	23	9.1	-19	41.9
1122007026		1	45	<20	0.01	<10	<10	14	<10	321	0.67	1.70	56	9.1	3	53.1
1122010143		1	70	<20	0.01	<10	<10	5	<10	223	0.30	1.65	35	9.0	-17	51.6
1122009133		1	60	<20	0.01	<10	<10	11	<10	142	0.27	1.05	34	9.3	1	32.8
1122009159		2	43	<20	0.02	<10	<10	17	40	195	0.54	0.58	49	9.4	31	18.1

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1122009031		1.50	2
1231009055		0.27	2
1129009304		0.50	2
1122007124		1.50	2
V835534			
1123019045		0.29	1
1232007522		0.29	1
1122005001		4.80	2
1122002001		1.34	2
1122002018		0.99	2
1122002104		1.11	2
1122005016		1.91	2
1232007385		0.13	1
1123023145		1.80	2
1232007406		0.28	2
1122005014		1.50	2
1122005087		1.89	2
1123023026		1.00	2
1123023033		1.09	2
1123023109		2.88	2
1122019050		0.77	2
V835535			
1231003024		0.63	2
1122012128		0.53	2
1122012010		0.27	2
1122012038		1.43	2
1122010025		0.70	2
1122010006		0.39	2
1231008085		0.20	1
1122012108		0.40	1
1122012086		1.43	2
1122012063		0.74	2
1122012112		1.40	2
1122009089		-0.12	1
1122010266		1.11	2
1122010270		0.55	1
1122007026		1.05	2
1122010143		0.68	2
1122009133		1.04	2
1122009159		2.70	2

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1122012123		0.48		0.379		1.4	1.61	70	<10	30	<0.5	<2	1.46	2.7	9	156
V835536		0.06		1.140		4.1	0.35	<2	<10	20	<0.5	6	0.40	<0.5	4	6
1122010119		0.68		0.927		1.3	1.35	177	<10	30	<0.5	2	2.12	0.8	12	137
1122010170		0.62		1.420		2.2	0.28	52	<10	20	<0.5	<2	2.63	4.7	10	252
1122010283		0.61		1.335		2.5	0.52	114	<10	20	<0.5	<2	1.65	22.6	6	220
1122006068		0.69		0.256		0.6	2.92	37	<10	40	<0.5	<2	1.83	<0.5	11	168
1122010213		0.64		0.630		2.2	0.46	75	<10	30	<0.5	2	2.29	3.3	8	200
1231003055		0.66		0.569		1.9	0.42	53	<10	50	<0.5	<2	1.58	1.4	7	186
1122010106		0.70		0.984		1.2	1.57	61	<10	30	<0.5	2	1.20	5.8	8	126
1122010155		0.67		0.661		2.0	0.47	45	<10	30	<0.5	2	3.28	3.4	11	126
1122010217		0.65		2.32		3.2	1.60	95	<10	30	<0.5	2	0.87	3.2	9	129
1122010278		0.70		1.050		1.9	1.49	85	<10	30	<0.5	2	0.86	7.7	8	188
1122010345		0.69		0.822		1.7	1.01	101	<10	40	<0.5	<2	0.49	<0.5	9	167
1231003025		0.66		0.382		2.0	0.42	53	<10	40	<0.5	<2	0.91	2.8	10	175
1232007003		0.69		0.089		2.0	1.04	6	<10	30	<0.5	18	0.37	0.7	10	167
1122007095		0.69		0.367		1.1	0.62	48	<10	30	<0.5	2	2.84	2.8	9	186
1122010234		0.67		1.180		1.9	1.32	75	<10	30	<0.5	<2	0.67	3.8	7	200
1232007558		0.71		0.086		0.3	0.66	6	<10	40	<0.5	2	0.79	1.0	8	187
1122010318		0.70		0.808		0.9	1.27	62	<10	30	<0.5	2	0.52	<0.5	7	140
V835537		0.06		0.964		2.6	1.10	<2	<10	80	<0.5	2	0.71	<0.5	13	8
1122005082		0.65		0.050		0.6	1.33	26	<10	50	<0.5	<2	2.34	<0.5	7	117
1123023148		0.68		0.073		1.1	1.03	40	<10	30	<0.5	<2	2.10	0.5	6	89
1123023201		0.69		0.331		1.1	0.46	61	<10	20	<0.5	2	1.92	9.1	5	268
1123019209		0.66		5.04		1.8	0.94	248	<10	40	<0.5	<2	0.31	11.6	7	225
1122006012		0.67		0.546		0.7	1.79	45	<10	40	<0.5	2	1.41	<0.5	9	76
1122006013		0.68		0.093		0.7	1.35	49	10	30	<0.5	<2	1.67	<0.5	8	79
1123023179		0.66		0.206		0.6	1.01	39	<10	20	<0.5	2	1.92	<0.5	6	64
1123023008		0.69		1.275		2.4	0.43	319	<10	30	<0.5	<2	1.19	5.5	8	88
1123023002		0.66		0.530		2.0	0.84	562	<10	120	0.5	<2	2.04	4.0	10	301
1232007533		0.70		0.160		0.4	0.73	6	<10	30	<0.5	2	0.58	2.6	9	291
1122008014		0.70		0.056		0.6	1.42	70	<10	40	<0.5	<2	1.90	<0.5	9	306
1122008031		0.65		1.645		1.8	0.61	22	<10	30	<0.5	2	2.61	3.2	8	309
1122008130		0.68		0.363		1.3	1.17	16	<10	40	<0.5	<2	3.47	1.0	12	117
1122008001		0.66		0.102		0.5	1.18	8	<10	40	<0.5	2	1.13	<0.5	8	342
1122006025		0.67		0.122		1.0	1.66	37	10	50	<0.5	2	2.35	0.5	11	151
1122006066		1.19		0.035		0.2	0.99	12	<10	30	<0.5	<2	2.24	<0.5	7	214
V835538		0.06		1.070		4.3	0.30	<2	<10	20	<0.5	5	0.37	<0.5	4	5
1123019133		0.50		0.822		0.8	1.80	69	<10	30	<0.5	<2	0.44	1.3	10	96
1123019191		0.51		1.040		1.1	1.44	77	<10	20	<0.5	<2	0.67	8.7	9	91
1122005206		0.68	91.3	0.057		0.6	1.16	31	<10	30	<0.5	<2	1.52	<0.5	7	135

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
1122012123		51	2.16	<10	<1	0.29	10	0.89	723	1	0.04	9	400	58	1.85	2
V835536		23	1.40	<10	<1	0.06	<10	0.09	116	7	0.08	6	320	<2	0.02	<2
1122010119		42	2.67	<10	<1	0.19	10	0.63	608	1	0.04	12	540	63	2.11	<2
1122010170		47	2.56	<10	<1	0.14	<10	0.99	1825	1	0.01	13	420	175	2.51	2
1122010283		95	3.51	<10	1	0.17	10	0.47	1135	1	0.01	9	380	167	3.57	2
1122006068		24	2.23	10	<1	0.15	10	0.89	504	<1	0.17	11	570	23	0.98	<2
1122010213		44	2.51	<10	<1	0.23	10	0.54	1315	1	0.01	12	430	170	2.51	<2
1231003055		28	1.56	<10	<1	0.29	10	0.40	1605	1	<0.01	8	380	237	1.30	<2
1122010106		53	3.15	<10	<1	0.21	10	0.95	754	1	0.03	11	410	85	2.62	<2
1122010155		70	2.42	<10	<1	0.22	<10	0.68	1690	1	0.01	14	410	223	2.48	<2
1122010217		357	4.53	<10	<1	0.21	10	0.99	903	1	0.01	13	430	53	2.93	<2
1122010278		104	4.12	<10	<1	0.21	10	0.98	803	1	0.01	12	420	55	2.58	2
1122010345		44	2.99	<10	<1	0.23	10	0.60	429	<1	0.01	12	440	57	2.32	2
1231003025		36	1.80	<10	<1	0.30	10	0.13	614	1	<0.01	12	400	438	1.92	3
1232007003		89	2.34	<10	<1	0.12	20	0.83	208	2	0.04	12	580	5	2.34	<2
1122007095		49	2.21	<10	<1	0.20	10	0.99	1445	1	0.01	12	420	141	1.88	<2
1122010234		120	3.62	<10	<1	0.18	10	0.83	676	<1	<0.01	11	410	35	2.25	<2
1232007558		63	2.29	<10	<1	0.08	10	0.48	357	2	0.04	9	340	2	2.08	<2
1122010318		22	2.53	<10	<1	0.21	10	0.82	544	1	0.01	11	410	20	1.57	2
V835537		56	3.10	<10	<1	0.26	10	0.54	299	11	0.10	16	730	7	0.08	<2
1122005082		21	1.64	<10	<1	0.21	10	0.98	471	<1	0.04	9	350	7	1.14	<2
1123023148		25	1.59	<10	<1	0.27	10	0.71	1050	1	0.01	7	370	84	1.36	<2
1123023201		66	2.03	<10	<1	0.21	10	0.78	1770	<1	<0.01	8	380	113	1.51	<2
1123019209		155	3.43	<10	<1	0.30	10	0.44	444	1	<0.01	9	690	96	2.78	<2
1122006012		22	2.11	<10	<1	0.15	20	0.90	550	1	0.04	9	540	16	1.09	<2
1122006013		27	1.73	<10	<1	0.12	10	0.84	437	1	0.03	9	400	13	1.10	2
1123023179		23	1.54	<10	<1	0.23	10	0.79	1000	1	0.01	8	410	42	1.25	<2
1123023008		34	2.15	<10	<1	0.24	10	0.47	980	1	<0.01	9	390	434	2.12	2
1123023002		42	2.66	<10	<1	0.59	20	0.91	1040	1	0.01	18	1040	258	1.98	3
1232007533		104	2.26	<10	<1	0.07	10	0.58	353	2	0.04	11	360	2	1.88	<2
1122008014		36	1.86	<10	<1	0.15	10	0.81	489	1	0.08	12	350	18	0.79	<2
1122008031		87	2.13	<10	<1	0.19	10	0.85	1340	1	0.02	12	420	334	1.82	<2
1122008130		71	2.22	<10	<1	0.16	10	1.34	1265	1	0.01	30	750	94	1.28	<2
1122008001		42	2.50	10	<1	0.12	10	0.72	276	1	0.06	14	390	4	1.05	<2
1122006025		47	2.12	<10	<1	0.18	10	1.19	564	1	0.04	21	530	37	1.28	<2
1122006066		13	1.74	<10	<1	0.08	10	0.56	406	1	0.04	11	400	4	0.40	<2
V835538		21	1.30	<10	<1	0.05	<10	0.08	109	7	0.07	6	310	<2	0.01	<2
1123019133		80	2.38	<10	<1	0.20	10	1.25	528	<1	0.01	16	370	10	1.10	2
1123019191		80	2.29	<10	<1	0.20	10	0.98	531	1	0.01	13	400	12	1.20	2
1122005206		13	1.54	<10	<1	0.16	10	0.54	428	1	0.07	10	360	8	0.67	<2

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1122012123		1	48	<20	0.01	<10	<10	6	<10	660	0.32	1.75	34	8.9	-21	54.7
V835536		1	12	<20	0.26	<10	<10	32	<10	24	0.06					
1122010119		1	33	<20	0.01	<10	<10	8	<10	223	0.57	2.04	49	8.9	-15	63.8
1122010170		<1	24	<20	<0.01	<10	<10	2	<10	1290	1.40	2.55	103	9.0	23	79.7
1122010283		<1	15	<20	<0.01	<10	<10	2	<10	5700	0.70	3.66	52	8.6	-62	114.4
1122006068		1	76	<20	0.03	<10	<10	14	10	113	0.20	0.95	20	9.1	-10	29.7
1122010213		<1	20	<20	<0.01	<10	<10	2	<10	889	0.97	2.44	74	9.1	-2	76.3
1231003055		<1	79	<20	<0.01	<10	<10	3	<10	410	0.87	1.21	55	9.3	17	37.8
1122010106		<1	21	<20	0.01	<10	<10	5	<10	1255	0.38	2.66	31	8.8	-52	83.1
1122010155		<1	27	<20	<0.01	<10	<10	3	<10	887	1.37	2.39	109	9.2	34	74.7
1122010217		1	13	<20	0.01	<10	<10	6	<10	769	0.26	2.89	27	8.8	-63	90.3
1122010278		1	12	<20	0.01	<10	<10	7	<10	1765	0.26	2.52	25	8.8	-54	78.8
1122010345		1	9	<20	0.01	<10	<10	4	<10	126	0.13	2.22	14	8.7	-55	69.4
1231003025		<1	42	<20	<0.01	<10	<10	2	<10	792	0.34	1.71	26	9.2	-27	53.4
1232007003		1	19	<20	<0.01	<10	<10	7	<10	201	0.08	2.28	11	8.9	-60	71.3
1122007095		<1	24	<20	<0.01	<10	<10	3	<10	644	1.32	1.81	102	9.1	45	56.6
1122010234		1	10	<20	0.01	<10	<10	6	<10	867	0.22	2.36	19	8.6	-55	73.8
1232007558		1	16	<20	<0.01	<10	<10	8	<10	266	0.23	2.12	21	9.0	-45	66.3
1122010318		<1	8	<20	<0.01	<10	<10	5	<10	129	0.17	1.57	16	8.9	-33	49.1
V835537		2	17	<20	0.37	<10	<10	78	<10	51	0.05					
1122005082		1	40	<20	<0.01	<10	<10	5	<10	121	0.82	1.17	68	9.1	31	36.6
1123023148		1	32	<20	<0.01	<10	<10	4	<10	179	0.73	1.35	58	9.2	16	42.2
1123023201		<1	28	<20	<0.01	<10	<10	2	<10	2350	1.06	1.46	74	9.0	28	45.6
1123019209		<1	17	<20	0.01	<10	<10	5	<10	2800	0.09	2.94	11	8.1	-81	91.9
1122006012		1	31	<20	<0.01	<10	<10	9	<10	110	0.30	1.09	32	9.0	-2	34.1
1122006013		1	27	<20	<0.01	<10	<10	6	<10	150	0.42	1.15	39	8.9	3	35.9
1123023179		1	28	<20	<0.01	<10	<10	5	<10	99	0.63	1.26	52	9.3	13	39.4
1123023008		<1	39	<20	<0.01	<10	<10	2	<10	1295	0.62	2.08	46	9.1	-19	65.0
1123023002		2	168	<20	0.05	<10	<10	17	<10	969	0.80	2.06	68	9.2	4	64.4
1232007533		1	14	<20	<0.01	<10	<10	10	<10	827	0.25	1.97	16	9.1	-46	61.6
1122008014		1	38	<20	<0.01	<10	<10	7	<10	88	0.58	0.77	49	9.3	25	24.1
1122008031		<1	27	<20	<0.01	<10	<10	4	<10	860	1.17	1.84	89	9.1	32	57.5
1122008130		2	82	<20	<0.01	<10	<10	11	<10	316	1.38	1.37	113	9.1	70	42.8
1122008001		1	24	<20	0.01	<10	<10	17	<10	32	0.35	1.04	34	9.3	2	32.5
1122006025		2	54	<20	0.01	<10	<10	15	<10	158	0.60	1.29	58	8.9	18	40.3
1122006066		1	40	<20	<0.01	<10	<10	8	<10	47	0.69	0.42	57	9.4	44	13.1
V835538		1	11	<20	0.25	<10	<10	30	<10	22	0.06					
1123019133		1	17	<20	<0.01	<10	<10	7	<10	380	0.09	1.11	14	9.1	-21	34.7
1123019191		1	14	<20	<0.01	<10	<10	6	<10	2200	0.24	1.21	20	9.0	-18	37.8
1122005206		1	30	<20	<0.01	<10	<10	5	<10	53	0.40	0.64	37	9.2	17	20.0

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EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
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Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1122012123		0.62	2
V835536			
1122010119		0.77	2
1122010170		1.29	3
1122010283		0.45	2
1122006068		0.67	1
1122010213		0.97	2
1231003055		1.45	2
1122010106		0.37	2
1122010155		1.46	3
1122010217		0.30	2
1122010278		0.32	2
1122010345		0.20	1
1231003025		0.49	2
1232007003		0.15	1
1122007095		1.80	3
1122010234		0.26	1
1232007558		0.32	1
1122010318		0.33	1
V835537			
1122005082		1.86	2
1123023148		1.37	2
1123023201		1.62	2
1123019209		0.12	1
1122006012		0.94	2
1122006013		1.09	2
1123023179		1.32	2
1123023008		0.71	2
1123023002		1.06	2
1232007533		0.26	1
1122008014		2.04	2
1122008031		1.55	2
1122008130		2.64	3
1122008001		1.05	2
1122006025		1.44	2
1122006066		4.34	2
V835538			
1123019133		0.40	1
1123019191		0.53	1
1122005206		1.85	2

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CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	LOG-QC Pass75um % 0.01	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1
1123019054		0.43		0.422		0.9	1.31	146	<10	30	<0.5	2	0.26	4.5	7	240
1123019010		0.68		0.742		2.0	0.67	166	<10	20	<0.5	<2	0.95	18.4	7	175
1122002124		0.69		1.485		3.5	0.45	29	<10	30	<0.5	2	2.33	4.9	8	148
1123019140		0.71		0.439		0.9	0.80	245	<10	20	<0.5	<2	0.29	2.0	9	154
1232007274		0.68		0.031		0.7	0.85	6	<10	20	<0.5	4	0.41	1.3	8	83
1123019028		0.58		0.783		1.0	1.50	96	<10	30	<0.5	<2	0.41	2.2	9	144
1123020214		0.45		0.224		1.2	1.52	52	<10	150	<0.5	<2	1.69	13.7	7	148
1232007483		0.47		0.052		0.4	1.01	8	<10	50	<0.5	3	0.73	<0.5	10	260
1123019009		0.69		0.492		2.4	0.55	210	<10	20	<0.5	<2	0.66	16.6	10	177
1123023018		0.65		0.199		1.3	0.50	90	<10	60	<0.5	<2	1.94	2.6	7	188
1123019151		0.68		2.69		1.3	0.99	157	<10	30	<0.5	<2	0.14	20.1	7	176
1123019101		0.63		0.491		1.5	0.45	191	<10	40	<0.5	2	1.11	14.0	7	160
1122005211		0.63		1.540		9.9	1.00	<2	<10	80	<0.5	4	0.62	<0.5	11	9
V835539		0.06		0.074		0.5	0.98	34	<10	30	<0.5	<2	2.76	<0.5	7	158

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOD	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
1123019054		93	3.68	<10	<1	0.30	10	0.57	406	1	0.01	10	390	18	2.50	2
1123019010		114	2.95	<10	<1	0.19	20	0.40	503	1	0.01	9	400	143	3.00	2
1122002124		80	2.34	<10	<1	0.18	<10	0.69	1125	1	0.01	11	410	28	2.47	<2
1123019140		23	2.36	<10	<1	0.19	10	0.46	214	1	0.01	12	400	34	2.00	2
1232007274		77	2.13	<10	<1	0.08	10	0.54	266	1	0.05	8	410	6	2.20	<2
1123019028		193	2.41	<10	<1	0.24	10	1.05	470	1	0.01	16	370	15	1.48	2
1123020214		51	2.35	<10	<1	0.56	20	1.04	904	1	0.01	11	630	41	1.43	2
1232007483		48	2.65	<10	<1	0.12	10	0.74	484	3	0.07	16	380	4	2.23	<2
1123019009		98	2.45	<10	<1	0.20	20	0.27	373	2	0.01	12	370	154	2.52	4
1123023018		44	1.97	<10	<1	0.32	10	0.63	1785	3	0.01	10	420	192	1.66	<2
1123019151		93	3.02	<10	<1	0.25	10	0.53	484	<1	<0.01	8	400	102	1.99	2
1123019101		100	2.23	<10	<1	0.25	10	0.43	893	<1	<0.01	9	480	309	2.19	2
1122005211		51	3.02	<10	<1	0.20	10	0.43	271	20	0.15	14	620	9	0.05	<2
V835539		15	1.56	<10	<1	0.15	10	0.80	626	1	0.04	10	360	14	1.10	<2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt
	LOD	1	1	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3
1123019054		<1	10	<20	0.01	<10	<10	6	<10	1125	0.10	2.48	11	8.3	-67	77.5
1123019010		<1	11	<20	<0.01	<10	<10	3	<10	4240	0.32	3.04	26	8.4	-69	95.0
1122002124		<1	20	<20	<0.01	<10	<10	2	<10	1230	1.05	2.57	81	9.1	1	80.3
1123019140		<1	8	<20	<0.01	<10	<10	4	<10	495	0.08	2.07	10	8.9	-55	64.7
1232007274		<1	18	<20	<0.01	<10	<10	5	<10	260	0.11	2.27	12	8.5	-59	70.9
1123019028		1	14	<20	<0.01	<10	<10	7	<10	574	0.15	1.34	16	8.8	-26	41.9
1123020214		2	107	<20	0.03	<10	<10	14	<10	3260	0.48	1.40	51	9.4	7	43.8
1232007483		1	21	<20	0.01	<10	<10	13	10	67	0.19	2.26	24	9.0	-47	70.6
1123019009		<1	9	<20	<0.01	<10	<10	3	<10	3850	0.23	2.62	18	8.6	-64	81.9
1123023018		<1	242	<20	0.01	<10	<10	4	<10	884	1.00	1.66	74	9.2	22	51.9
1123019151		<1	9	<20	0.02	<10	<10	5	<10	4660	0.05	1.83	8	8.4	-49	57.2
1123019101		1	40	<20	0.01	<10	<10	4	<10	3280	0.51	2.20	41	8.8	-28	68.8
1122005211		2	21	<20	0.43	<10	<10	72	<10	49	0.03	0.06	12	9.4	10	1.9
V835539		1	57	<20	<0.01	<10	<10	4	<10	74	0.90					

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method Analyte Units LOD	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
1123019054		0.14	1
1123019010		0.27	2
1122002124		1.01	2
1123019140		0.15	1
1232007274		0.17	1
1123019028		0.38	1
1123020214		1.17	2
1232007483		0.34	2
1123019009		0.22	1
1123023018		1.43	2
1123019151		0.14	1
1123019101		0.60	2
1122005211		6.40	1
V835539			

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

CERTIFICATE OF ANALYSIS TB19005962

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

QC CERTIFICATE TB18054441

Project: Mine Site Lab Pulps January

P.O. No.: 4500009909

This report is for 132 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 12-MAR-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JASON PATTISON	STEPHEN SABO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
ATTN: JASON PATTISON
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		STANDARDS														
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		STANDARDS														
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.1				
Buffer pH6											6.1				
Target Range - Lower Bound											5.3				
Upper Bound											6.7				
DS-1								3.18							
DS-1								3.06							
Target Range - Lower Bound								3.01							
Upper Bound								3.25							
DS-1								3.12	2.70						
DS-1								3.09	2.67						
DS-1									2.66						
DS-1									2.63						
Target Range - Lower Bound									2.51						
Upper Bound									2.71						
GS310-10								1.08	0.27						
GS310-10								1.10	0.28						
GS310-10									0.27						
Target Range - Lower Bound									0.25						
Upper Bound									0.29						
GS313-8								0.95							
GS313-8								0.94							
Target Range - Lower Bound								0.90							
Upper Bound								0.98							
GS313-8								0.92	1.27						
GS313-8								0.91	1.22						
GS313-8									1.29						
Target Range - Lower Bound									1.19						
Upper Bound									1.29						

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VANCOUVER BC V7X 1M9

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Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
JK-17		1.925														
JK-17		1.980														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16		0.510														
LEA-16		0.525														
LEA-16		0.507														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08			4.6	2.59	32	10	440	0.7	2	1.08	2.2	19	90	622	3.60	10
MRGeo08			4.6	2.64	33	10	440	0.8	<2	1.09	2.4	19	91	635	3.57	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08			19.9	2.22	122	20	70	0.7	13	0.95	18.6	97	82	8560	5.02	10
OGGeo08			18.8	2.08	114	10	60	0.6	12	0.84	17.7	93	76	8170	4.82	10
OGGeo08			20.8	2.26	121	<10	50	0.7	12	0.92	19.6	98	83	8680	5.24	10
Target Range - Lower Bound			18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51	<10
Upper Bound			22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53	30
OREAS 602			>100	0.65	690	<10	30	<0.5	61	0.53	26.0	10	33	5280	2.10	<10
OREAS 602			>100	0.64	694	<10	30	<0.5	64	0.54	26.2	10	33	5310	2.06	<10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
OREAS 925			2.5	2.92	11	20	50	0.5	36	0.33	0.5	25	39	6470	6.47	10

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
LEA-16																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		<1	1.27	30	1.16	406	13	0.34	703	990	1075	0.29	2	7	81	20
MRGeo08		1	1.30	30	1.13	409	13	0.33	718	1020	1085	0.31	3	7	81	20
Target Range - Lower Bound		<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		<1	1.10	30	0.93	388	876	0.30	8990	810	7220	2.70	18	6	66	<20
OGGeo08		1	1.05	20	0.88	358	824	0.27	8620	770	6870	2.58	20	5	60	<20
OGGeo08		<1	1.09	30	0.99	389	897	0.32	9030	810	7460	2.70	19	6	68	<20
Target Range - Lower Bound		<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59	<20
Upper Bound		3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74	60
OREAS 602		1	0.09	10	0.11	211	4	0.03	63	240	861	2.00	63	1	50	<20
OREAS 602		1	0.09	10	0.10	218	4	0.03	64	240	872	2.03	65	1	49	<20
Target Range - Lower Bound		<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	46	<1	44	<20
Upper Bound		3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	68	3	56	40
OREAS 925		<1	0.30	30	1.48	874	1	0.01	35	610	113	1.03	<2	3	13	<20

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VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
JK-17															
JK-17															
Target Range - Lower Bound															
Upper Bound															
KZK-1										59		34	25.0	2.36	2
KZK-1										59		34	25.0	2.36	2
KZK-1										57		32	25.0	2.28	2
KZK-1										60		35	25.0	2.40	2
Target Range - Lower Bound										54		30	22.9	2.18	
Upper Bound										64		38	27.1	2.54	
LEA-16															
LEA-16															
LEA-16															
Target Range - Lower Bound															
Upper Bound															
MA-1b								2.39	1.17						
MA-1b								2.44	1.20						
Target Range - Lower Bound								2.34	1.12						
Upper Bound								2.54	1.22						
MRGeo08		0.37	<10	<10	100	<10	770								
MRGeo08		0.37	<10	<10	100	<10	784								
Target Range - Lower Bound		0.33	<10	<10	90	<10	708								
Upper Bound		0.43	20	30	112	20	870								
NBM-1										51		42	8.8	5.83	2
NBM-1										49		40	8.8	5.60	2
NBM-1										52		43	8.8	5.94	2
NBM-1										50		41	8.8	5.71	2
Target Range - Lower Bound										45		37	7.8	5.26	
Upper Bound										54		47	9.7	6.08	
OGGeo08		0.31	<10	<10	80	<10	6950								
OGGeo08		0.28	<10	<10	75	<10	6590								
OGGeo08		0.31	<10	<10	81	<10	7150								
Target Range - Lower Bound		0.27	<10	<10	70	<10	6500								
Upper Bound		0.36	20	30	88	20	7950								
OREAS 602		0.01	<10	<10	11	<10	4200								
OREAS 602		0.01	<10	<10	10	<10	4120								
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680								
Upper Bound		0.03	20	20	14	20	4500								
OREAS 925		0.10	<10	<10	29	<10	429								

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
OREAS 925			2.3	2.76	9	10	40	0.5	34	0.29	<0.5	24	36	6250	6.20	10
OREAS 925			2.8	2.95	7	<10	50	0.5	38	0.33	<0.5	24	40	6610	6.70	10
Target Range - Lower Bound			1.9	2.56	5	<10	30	<0.5	27	0.27	<0.5	20	34	5850	5.74	<10
Upper Bound			2.9	3.15	13	20	80	1.6	38	0.36	1.6	27	43	6730	7.04	30
OxN117		7.64														
Target Range - Lower Bound		7.21														
Upper Bound		8.14														
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
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Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
OREAS 925		<1	0.26	20	1.41	828	1	0.01	34	580	109	0.98	<2	3	12	<20
OREAS 925		<1	0.30	30	1.59	896	<1	0.02	36	620	117	1.02	<2	3	14	<20
Target Range -	Lower Bound	<1	0.27	<10	1.37	805	<1	<0.01	28	540	98	0.88	<2	<1	10	<20
	Upper Bound	2	0.35	50	1.69	995	3	0.02	36	680	124	1.09	5	5	15	50
OxN117																
Target Range -	Lower Bound															
	Upper Bound															
BLANKS																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	0.01	1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range -	Lower Bound	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
	Upper Bound	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40
BLANK																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															

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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOR	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS															
OREAS 925		0.07	<10	<10	27	<10	407								
OREAS 925		0.10	<10	<10	30	<10	438								
Target Range - Lower Bound		0.07	<10	<10	27	<10	391								
Upper Bound		0.11	20	20	35	20	483								
OxN117															
Target Range - Lower Bound															
Upper Bound															
BLANKS															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK								0.01							
BLANK								<0.01							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
BLANK											6.4				
Target Range - Lower Bound											5.5				
Upper Bound											6.9				
BLANK								<0.01	0.01						
BLANK								<0.01	0.01						
BLANK								<0.01	0.01						
BLANK								0.01	0.01						
BLANK									<0.01						
BLANK									0.01						
Target Range - Lower Bound									<0.01						
Upper Bound									0.02						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL			13.1	2.24	33	<10	10	1.1	3	0.24	<0.5	36	89	86	4.41	10
DUP			15.0	2.37	33	<10	10	1.2	4	0.26	<0.5	38	96	90	4.70	10
Target Range - Lower Bound			13.1	2.18	29	<10	<10	0.6	<2	0.23	<0.5	34	87	84	4.32	<10
Upper Bound			15.0	2.43	37	20	20	1.7	4	0.27	1.0	40	98	92	4.79	20
1129050034																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128031001		0.251														
DUP		0.312														
Target Range - Lower Bound		0.262														
Upper Bound		0.301														
1128031083																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127013140			0.2	1.15	4	<10	60	<0.5	<2	1.39	<0.5	9	81	33	2.02	<10
DUP			0.2	1.19	4	<10	70	<0.5	<2	1.42	<0.5	9	78	34	2.06	<10
Target Range - Lower Bound			<0.2	1.10	<2	<10	50	<0.5	<2	1.32	<0.5	8	75	31	1.93	<10
Upper Bound			0.4	1.24	6	20	80	1.0	4	1.49	1.0	10	84	36	2.15	20
1127014425		0.037														
DUP		0.037														
Target Range - Lower Bound		0.030														
Upper Bound		0.044														
1127015008																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129050500																
DUP																
Target Range - Lower Bound																
Upper Bound																

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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL		<1	0.07	10	1.90	360	1	0.05	57	510	274	0.14	12	6	6	<20
DUP		<1	0.08	10	2.03	385	1	0.05	59	550	294	0.14	13	7	6	<20
Target Range - Lower Bound		<1	0.06	<10	1.86	349	<1	0.04	54	490	268	0.12	10	5	5	<20
Upper Bound		2	0.09	20	2.07	396	2	0.06	62	570	300	0.16	15	8	7	40
1129050034																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128031001																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128031083																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127013140		<1	0.25	10	0.70	351	2	0.06	11	400	2	0.39	<2	1	25	<20
DUP		<1	0.26	10	0.72	359	1	0.06	12	420	<2	0.41	<2	2	26	<20
Target Range - Lower Bound		<1	0.23	<10	0.66	332	<1	0.05	10	380	<2	0.37	<2	<1	23	<20
Upper Bound		2	0.28	20	0.76	378	2	0.07	13	440	4	0.43	4	2	28	40
1127014425																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127015008																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129050500																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
ORIGINAL		0.03	<10	<10	73	<10	36								
DUP		0.03	<10	<10	77	<10	38								
Target Range - Lower Bound		0.02	<10	<10	70	<10	33								
Upper Bound		0.04	20	20	80	20	41								
1129050034											8.3				
DUP											8.3				
Target Range - Lower Bound											7.8				
Upper Bound											8.8				
1128031001															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128031083								0.70	2.93	57		-35	91.6	0.62	2
DUP								0.70	2.91	57		-34	90.9	0.63	2
Target Range - Lower Bound								0.67	2.84	53		-37	86.4	0.58	<1
Upper Bound								0.73	3.00	61		-32	96.1	0.67	3
1127013140		0.04	<10	<10	20	10	58								
DUP		0.04	<10	<10	21	10	61								
Target Range - Lower Bound		0.03	<10	<10	18	<10	55								
Upper Bound		0.05	20	20	23	20	64								
1127014425															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127015008									0.55						
DUP									0.54						
Target Range - Lower Bound									0.52						
Upper Bound									0.57						
1129050500								0.93	2.28						
DUP								0.93	2.08						
Target Range - Lower Bound								0.90	2.12						
Upper Bound								0.96	2.24						

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Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1129050030	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128034006	DUP		0.9	1.28	39	10	30	<0.5	<2	1.96	<0.5	9	37	19	1.87	<10
			0.6	1.23	40	10	30	<0.5	<2	1.88	<0.5	8	37	18	1.80	<10
	Target Range - Lower Bound		0.5	1.18	36	<10	20	<0.5	<2	1.81	<0.5	7	34	17	1.73	<10
	Upper Bound		1.0	1.33	43	20	40	1.0	4	2.03	1.0	10	40	20	1.94	20
1128032041	DUP	0.353														
		0.317														
	Target Range - Lower Bound	0.313														
	Upper Bound	0.357														
1127017119	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128033101	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1129051419	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130057771	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130057500	DUP		0.4	0.44	48	<10	20	<0.5	<2	0.47	1.3	7	39	19	1.75	<10
			0.5	0.46	50	<10	20	<0.5	<2	0.48	1.4	8	41	20	1.78	<10
	Target Range - Lower Bound		<0.2	0.42	45	<10	<10	<0.5	<2	0.44	0.8	6	37	18	1.67	<10
	Upper Bound		0.7	0.48	53	20	30	1.0	4	0.51	1.9	9	43	21	1.86	20

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QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1129050030	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128034006	DUP	<1	0.15	10	0.64	565	<1	0.05	10	500	12	1.08	<2	1	38	<20
		<1	0.14	10	0.61	544	1	0.05	10	470	11	1.01	<2	1	37	<20
	Target Range - Lower Bound	<1	0.13	<10	0.58	522	<1	0.04	9	450	9	0.98	<2	<1	35	<20
	Upper Bound	2	0.16	20	0.67	587	2	0.06	12	520	14	1.11	4	2	40	40
1128032041	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1127017119	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128033101	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1129051419	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130057771	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130057500	DUP	<1	0.18	10	0.17	465	1	0.01	8	420	19	1.70	<2	<1	7	<20
		<1	0.18	10	0.17	481	<1	0.01	8	430	19	1.72	<2	<1	7	<20
	Target Range - Lower Bound	<1	0.16	<10	0.15	444	<1	<0.01	7	390	16	1.61	<2	<1	6	<20
	Upper Bound	2	0.20	20	0.19	502	2	0.02	9	460	22	1.81	4	2	8	40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1129050030										52		-23	75.3	0.69	2
DUP										53		-22	75.3	0.70	2
Target Range - Lower Bound										49		-25	71.2	0.65	<1
Upper Bound										56		-20	79.4	0.74	3
1128034006		<0.01	<10	<10	6	<10	87								
DUP		<0.01	<10	<10	5	<10	84								
Target Range - Lower Bound		<0.01	<10	<10	4	<10	79								
Upper Bound		0.02	20	20	7	20	92								
1128032041															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127017119											8.8				
DUP											8.8				
Target Range - Lower Bound											8.3				
Upper Bound											9.3				
1128033101											9.4				
DUP											9.4				
Target Range - Lower Bound											8.8				
Upper Bound											10.0				
1129051419								0.52	1.80						
DUP								0.52	1.83						
Target Range - Lower Bound								0.50	1.76						
Upper Bound								0.54	1.87						
1130057771										10		-83	92.5	0.11	1
DUP										10		-83	92.5	0.11	1
Target Range - Lower Bound										9		-88	87.6	0.09	<1
Upper Bound										12		-78	97.4	0.13	2
1130057500		<0.01	<10	<10	3	<10	364								
DUP		<0.01	<10	<10	3	<10	380								
Target Range - Lower Bound		<0.01	<10	<10	2	<10	351								
Upper Bound		0.02	20	20	4	20	393								

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1130057608		0.308														
DUP		0.345														
Target Range - Lower Bound		0.305														
Upper Bound		0.348														
1127018241																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128036069		0.068														
DUP		0.067														
Target Range - Lower Bound		0.059														
Upper Bound		0.076														
1127018153																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128036037																
DUP																
Target Range - Lower Bound																
Upper Bound																
V829037																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129051021																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		1.045														
DUP		1.095														
Target Range - Lower Bound		1.010														
Upper Bound		1.130														

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Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1130057608	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1127018241	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128036069	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1127018153	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128036037	DUP															
	Target Range - Lower Bound															
	Upper Bound															
V829037	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1129051021	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES													
1130057608															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127018241								0.72							
DUP								0.75							
Target Range - Lower Bound								0.71							
Upper Bound								0.76							
1128036069															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127018153								1.48	1.85						
DUP								1.46	1.86						
Target Range - Lower Bound								1.42	1.80						
Upper Bound								1.52	1.91						
1128036037									1.03	81		49	32.2	2.52	2
DUP									1.06	81		48	33.1	2.45	2
Target Range - Lower Bound									1.01	76		45	30.7	2.35	<1
Upper Bound									1.08	86		52	34.6	2.62	3
V829037								0.04							
DUP								0.02							
Target Range - Lower Bound								0.02							
Upper Bound								0.04							
1129051021											8.4				
DUP											8.4				
Target Range - Lower Bound											7.9				
Upper Bound											8.9				
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL		0.085														
DUP		0.079														
Target Range - Lower Bound		0.073														
Upper Bound		0.091														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.048														
DUP		0.040														
Target Range - Lower Bound		0.037														
Upper Bound		0.051														
ORIGINAL			<0.2	0.06	43	10	<10	<0.5	<2	6.28	<0.5	<1	8	1	0.04	<10
DUP			0.2	0.06	46	10	<10	<0.5	2	7.00	<0.5	1	8	1	0.04	<10
Target Range - Lower Bound			<0.2	0.05	40	<10	<10	<0.5	<2	6.30	<0.5	<1	7	<1	0.03	<10
Upper Bound			0.4	0.07	49	20	20	1.0	4	6.98	1.0	2	9	2	0.05	20

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Finalized Date: 10-APR-2018
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Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		4	0.01	<10	0.01	10	<1	0.02	1	90	2	<0.01	<2	<1	41	<20
DUP		4	0.01	<10	0.01	10	<1	0.02	1	90	<2	<0.01	<2	<1	46	<20
Target Range - Lower Bound		3	<0.01	<10	<0.01	<5	<1	<0.01	<1	80	<2	<0.01	<2	<1	40	<20
Upper Bound		5	0.02	20	0.02	16	2	0.03	2	100	4	0.02	4	2	47	40

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES													
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL		<0.01	<10	<10	1	<10	3								
DUP		<0.01	<10	<10	2	<10	3								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								

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VANCOUVER BC V7X 1M9

Finalized Date: 10-APR-2018
Account: RRR

Project: Mine Site Lab Pulps January

QC CERTIFICATE OF ANALYSIS TB18054441

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-24	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	C-IR07	ME-ICP41	OA-ELE07
	OA-VOL08	S-IR08		

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

QC CERTIFICATE TB18073654

Project: Mine Site Lab Pulps February

P.O. No.: 4500009909

This report is for 143 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 3-APR-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
ATTN: JASON PATTISON
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		STANDARDS														
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10		7.06														
G913-10		7.15														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		STANDARDS														
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
Buffer pH6											6.0				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.1				
Target Range - Lower Bound											5.3				
Upper Bound											6.7				
CCU-1e									36.6						
Target Range - Lower Bound									34.3						
Upper Bound									36.8						
DS-1								3.08							
Target Range - Lower Bound								3.01							
Upper Bound								3.25							
DS-1								3.13	2.61						
Target Range - Lower Bound								3.01	2.51						
Upper Bound								3.25	2.71						
G913-10															
G913-10															
Target Range - Lower Bound															
Upper Bound															
GS310-10								1.10							
GS310-10								1.06							
GS310-10								1.09							
Target Range - Lower Bound								1.03							
Upper Bound								1.13							
GS310-10								1.06	0.27						
GS310-10									0.24						
Target Range - Lower Bound									0.25						
Upper Bound									0.29						

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		STANDARDS														
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		2.01														
JK-17		1.955														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16		0.514														
LEA-16		0.504														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
MP-1b																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
MP-1b																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
GS313-8									1.28						
GS313-8								0.91	1.28						
Target Range - Lower Bound								0.90	1.19						
Upper Bound								0.98	1.29						
JK-17															
JK-17															
Target Range - Lower Bound															
Upper Bound															
KZK-1										60		35	25.0	2.40	2
KZK-1										60		35	25.0	2.40	2
KZK-1										60		35	25.0	2.40	2
KZK-1										60		35	25.0	2.40	2
Target Range - Lower Bound										54		30	22.9	2.18	
Upper Bound										64		38	27.1	2.54	
LEA-16															
LEA-16															
Target Range - Lower Bound															
Upper Bound															
MA-1b								2.44							
MA-1b								2.49							
MA-1b								2.45							
Target Range - Lower Bound								2.34							
Upper Bound								2.54							
MA-1b								2.39	1.13						
MA-1b									1.16						
MA-1b									1.22						
Target Range - Lower Bound									1.12						
Upper Bound									1.22						
MP-1b									14.10						
MP-1b									13.40						
Target Range - Lower Bound									13.30						
Upper Bound									14.30						

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
MRGeo08			4.3	2.53	32	10	430	0.7	3	1.03	2.1	18	87	593	3.54	10
MRGeo08			4.2	2.59	32	<10	430	0.7	2	1.00	2.0	18	87	620	3.57	10
MRGeo08			4.2	2.50	32	<10	430	0.7	<2	0.99	2.0	19	88	605	3.50	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08			20.2	2.24	122	<10	60	0.7	11	0.91	18.5	98	83	8450	5.10	10
OGGeo08			19.5	2.20	122	<10	70	0.7	13	0.88	18.9	96	81	8340	5.00	10
Target Range - Lower Bound			18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51	<10
Upper Bound			22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53	30
OREAS 503c		0.694														
OREAS 503c		0.686														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602			>100	0.61	655	<10	30	<0.5	59	0.50	24.1	10	33	5090	2.01	<10
OREAS 602			>100	0.63	670	<10	30	<0.5	59	0.52	24.8	10	28	5230	2.06	<10
OREAS 602			>100	0.60	668	<10	30	<0.5	59	0.51	25.4	10	28	5180	1.99	<10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
OREAS 925			2.5	2.86	11	<10	50	0.5	36	0.31	<0.5	26	38	6470	6.43	10
OREAS 925			4.5	2.83	9	<10	50	0.5	34	0.31	<0.5	24	38	6380	6.35	10
Target Range - Lower Bound			1.9	2.56	5	<10	30	<0.5	27	0.27	<0.5	20	34	5850	5.74	<10
Upper Bound			2.9	3.15	13	20	80	1.6	38	0.36	1.6	27	43	6730	7.04	30

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
STANDARDS																
MRGeo08		2	1.23	30	1.12	401	13	0.32	679	990	1035	0.28	3	7	78	20
MRGeo08		<1	1.23	30	1.10	411	13	0.31	681	960	1035	0.30	<2	7	76	20
MRGeo08		<1	1.24	30	1.09	396	13	0.30	681	1010	1035	0.30	4	7	75	20
Target Range - Lower Bound		<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		<1	1.06	30	0.95	397	879	0.30	8690	820	7260	2.76	19	6	65	20
OGGeo08		1	1.05	30	0.95	384	882	0.28	8790	780	7200	2.77	14	6	66	20
Target Range - Lower Bound		<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59	<20
Upper Bound		3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74	60
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		1	0.09	10	0.10	205	4	0.03	61	230	817	1.99	53	1	49	<20
OREAS 602		1	0.09	10	0.10	215	4	0.02	59	220	831	2.02	59	1	49	<20
OREAS 602		1	0.09	10	0.10	211	4	0.02	60	240	839	2.04	55	1	49	<20
Target Range - Lower Bound		<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	46	<1	44	<20
Upper Bound		3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	68	3	56	40
OREAS 925		<1	0.28	30	1.49	872	1	0.01	32	610	111	1.03	<2	3	13	<20
OREAS 925		<1	0.29	30	1.50	863	<1	0.01	34	600	116	1.05	<2	3	14	<20
Target Range - Lower Bound		<1	0.27	<10	1.37	805	<1	<0.01	28	540	98	0.88	<2	<1	10	<20
Upper Bound		2	0.35	50	1.69	995	3	0.02	36	680	124	1.09	5	5	15	50

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOR	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS															
MRGeo08		0.37	<10	<10	96	<10	736								
MRGeo08		0.37	<10	<10	96	<10	770								
MRGeo08		0.38	<10	<10	99	<10	738								
Target Range - Lower Bound		0.33	<10	<10	90	<10	708								
Upper Bound		0.43	20	30	112	20	870								
NBM-1										51		42	8.8	5.83	2
NBM-1										50		41	8.8	5.71	2
NBM-1										51		42	8.8	5.83	2
NBM-1										51		42	8.8	5.83	2
Target Range - Lower Bound										45		37	7.8	5.26	
Upper Bound										54		47	9.7	6.08	
OGGeo08		0.32	<10	<10	81	10	7170								
OGGeo08		0.31	<10	<10	80	<10	7030								
Target Range - Lower Bound		0.27	<10	<10	70	<10	6500								
Upper Bound		0.36	20	30	88	20	7950								
OREAS 503c															
OREAS 503c															
Target Range - Lower Bound															
Upper Bound															
OREAS 602		0.01	<10	<10	10	<10	3930								
OREAS 602		0.01	<10	<10	10	<10	4070								
OREAS 602		0.01	<10	<10	10	10	4060								
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680								
Upper Bound		0.03	20	20	14	20	4500								
OREAS 925		0.09	<10	<10	29	<10	432								
OREAS 925		0.09	<10	<10	29	<10	428								
Target Range - Lower Bound		0.07	<10	<10	27	<10	391								
Upper Bound		0.11	20	20	35	20	483								

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Finalized Date: 24-APR-2018
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Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							BLANKS								
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK								<0.01							
BLANK								<0.01							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								
BLANK											6.0				
BLANK											6.2				
BLANK											6.2				
BLANK											6.3				
Target Range - Lower Bound											5.5				
Upper Bound											6.9				
BLANK								<0.01	<0.01						
BLANK								<0.01	0.01						
BLANK								<0.01	<0.01						
BLANK								<0.01	<0.01						
BLANK									<0.01						
BLANK									<0.01						
Target Range - Lower Bound									<0.01						
Upper Bound									0.02						

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL		0.802														
DUP		0.630														
Target Range - Lower Bound		0.675														
Upper Bound		0.757														
1128037020																
DUP																
Target Range - Lower Bound																
Upper Bound																
1131067102			1.4	0.29	43	<10	20	<0.5	<2	0.13	0.6	9	161	28	1.53	<10
DUP			1.4	0.29	40	<10	20	<0.5	<2	0.13	0.6	8	153	26	1.47	<10
Target Range - Lower Bound			1.1	0.27	37	<10	<10	<0.5	<2	0.11	<0.5	7	148	25	1.42	<10
Upper Bound			1.7	0.31	46	20	30	1.0	4	0.15	1.0	10	166	29	1.59	20
1128037093		0.661														
DUP		0.698														
Target Range - Lower Bound		0.641														
Upper Bound		0.718														
1127019166																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129098237			2.2	0.86	90	<10	30	<0.5	<2	1.34	9.2	7	66	42	2.28	<10
DUP			2.2	0.87	90	<10	30	<0.5	2	1.35	9.1	7	68	41	2.31	<10
Target Range - Lower Bound			1.9	0.81	84	<10	20	<0.5	<2	1.27	8.2	6	63	39	2.17	<10
Upper Bound			2.5	0.92	97	20	40	1.0	4	1.42	10.1	8	71	44	2.42	20
1129052030																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129052070																
DUP																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128037020																
DUP																
Target Range - Lower Bound																
Upper Bound																
1131067102		<1	0.11	10	0.07	148	1	0.01	12	190	15	1.56	<2	<1	14	<20
DUP		<1	0.11	10	0.07	144	1	0.01	12	180	16	1.50	<2	<1	14	<20
Target Range - Lower Bound		<1	0.09	<10	0.06	134	<1	<0.01	10	170	13	1.44	<2	<1	12	<20
Upper Bound		2	0.13	20	0.08	158	2	0.02	14	200	18	1.62	4	2	16	40
1128037093																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127019166																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129098237		<1	0.25	10	0.62	818	1	<0.01	9	460	164	2.01	4	<1	21	<20
DUP		1	0.25	10	0.63	824	1	0.01	9	460	163	2.05	4	<1	21	<20
Target Range - Lower Bound		<1	0.23	<10	0.58	775	<1	<0.01	8	430	153	1.92	<2	<1	19	<20
Upper Bound		2	0.27	20	0.67	867	2	0.02	10	490	174	2.14	6	2	23	40
1129052030																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129052070																
DUP																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128037020								1.02	1.82						
DUP								1.04	1.90						
Target Range - Lower Bound								0.99	1.75						
Upper Bound								1.07	1.87						
1131067102		<0.01	<10	<10	2	<10	171			4	8.2	-39	43.1	0.09	1
DUP		<0.01	<10	<10	2	<10	164			4	8.3	-39	43.1	0.09	1
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	157			3	7.7	-42	40.6	0.08	<1
Upper Bound		0.02	20	20	3	20	178			5	8.8	-36	45.6	0.10	2
1128037093															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127019166								0.38							
DUP								0.39							
Target Range - Lower Bound								0.37							
Upper Bound								0.40							
1129098237		<0.01	<10	<10	4	<10	2240	0.49	1.95						
DUP		<0.01	<10	<10	4	<10	2240	0.49	2.00						
Target Range - Lower Bound		<0.01	<10	<10	3	<10	2130	0.47	1.92						
Upper Bound		0.02	20	20	5	20	2350	0.51	2.03						
1129052030											8.5				
DUP											8.5				
Target Range - Lower Bound											8.0				
Upper Bound											9.0				
1129052070										14		-54	67.8	0.21	1
DUP										15		-53	67.8	0.22	1
Target Range - Lower Bound										13		-57	64.1	0.19	<1
Upper Bound										16		-50	71.5	0.24	2

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
							DUPLICATES									
1131069047		0.013	<0.2	1.49	8	<10	30	<0.5	<2	0.55	<0.5	8	62	28	1.48	<10
DUP		0.025	<0.2	1.57	7	<10	30	<0.5	<2	0.57	<0.5	8	67	30	1.55	<10
Target Range - Lower Bound		0.013	<0.2	1.44	5	<10	20	<0.5	<2	0.52	<0.5	7	60	27	1.43	<10
Upper Bound		0.025	0.4	1.62	10	20	40	1.0	4	0.60	1.0	9	69	31	1.60	20
1128039007																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129098339																
DUP																
Target Range - Lower Bound																
Upper Bound																
1131069001																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128040154			14.7	0.49	61	<10	20	<0.5	6	1.86	6.1	9	92	138	1.97	<10
DUP			15.1	0.49	63	<10	20	<0.5	7	1.89	6.3	9	94	137	2.04	<10
Target Range - Lower Bound			14.0	0.46	57	<10	<10	<0.5	4	1.77	5.4	8	87	132	1.89	<10
Upper Bound			15.8	0.52	67	20	30	1.0	9	1.98	7.0	10	99	143	2.12	20
1127021009		0.015														
DUP		0.016														
Target Range - Lower Bound		0.010														
Upper Bound		0.021														
1127024083																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
1131069047		<1	0.10	10	0.38	370	1	0.05	6	440	8	0.29	<2	1	48	<20
DUP		<1	0.11	10	0.39	380	1	0.05	6	450	9	0.31	<2	1	51	<20
Target Range - Lower Bound		<1	0.09	<10	0.36	351	<1	0.04	5	410	6	0.28	<2	<1	46	<20
Upper Bound		2	0.12	20	0.41	399	2	0.06	7	480	11	0.33	4	2	53	40
1128039007																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129098339																
DUP																
Target Range - Lower Bound																
Upper Bound																
1131069001																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128040154		1	0.16	<10	0.94	2240	2	0.01	11	400	500	2.32	13	<1	21	<20
DUP		1	0.15	<10	0.95	2300	2	0.01	11	400	502	2.41	13	<1	21	<20
Target Range - Lower Bound		<1	0.14	<10	0.89	2150	<1	<0.01	9	370	474	2.24	10	<1	19	<20
Upper Bound		2	0.17	20	1.00	2390	3	0.02	13	430	528	2.49	16	2	23	40
1127021009																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127024083																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1131069047		0.01	<10	<10	6	<10	75								
DUP		0.01	<10	<10	6	<10	82								
Target Range - Lower Bound		<0.01	<10	<10	5	<10	73								
Upper Bound		0.02	20	20	7	20	84								
1128039007								1.05	2.12						
DUP								1.05	1.81						
Target Range - Lower Bound								1.01	1.91						
Upper Bound								1.09	2.02						
1129098339											8.3				
DUP											8.3				
Target Range - Lower Bound											7.8				
Upper Bound											8.8				
1131069001									4.45	22		-117	139.1	0.16	2
DUP									4.44	21		-118	138.8	0.15	2
Target Range - Lower Bound									4.32	19		-124	131.7	0.14	<1
Upper Bound									4.57	24		-111	146.2	0.17	3
1128040154		<0.01	<10	<10	2	<10	1485								
DUP		<0.01	<10	<10	2	<10	1485								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	1410								
Upper Bound		0.02	20	20	3	20	1560								
1127021009								0.41	0.29						
DUP								0.41	0.26						
Target Range - Lower Bound								0.39	0.26						
Upper Bound								0.43	0.29						
1127024083										37	8.6	-48	85.0	0.44	2
DUP										38	8.6	-47	85.0	0.45	2
Target Range - Lower Bound										35	8.1	-51	80.5	0.41	<1
Upper Bound										40	9.1	-44	89.6	0.48	3
ORIGINAL								5.00							
DUP								4.96							
Target Range - Lower Bound								4.85							
Upper Bound								5.11							

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Finalized Date: 24-APR-2018
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Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL			0.7	2.57	9	<10	50	<0.5	<2	0.49	<0.5	27	16	1400	9.23	10
DUP			0.6	2.63	10	<10	50	<0.5	<2	0.50	<0.5	27	16	1410	9.31	10
Target Range - Lower Bound			0.4	2.46	7	<10	40	<0.5	<2	0.46	<0.5	25	14	1355	8.80	<10
Upper Bound			0.9	2.74	12	20	60	1.0	4	0.53	1.0	29	18	1455	9.74	20
ORIGINAL		0.173														
DUP		0.158														
Target Range - Lower Bound		0.152														
Upper Bound		0.179														
ORIGINAL		0.120														
DUP		0.115														
Target Range - Lower Bound		0.107														
Upper Bound		0.128														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.287														
DUP		0.290														
Target Range - Lower Bound		0.269														
Upper Bound		0.308														

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Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL		<1	0.27	10	1.97	869	<1	0.02	15	1020	<2	7.14	<2	6	10	<20
DUP		<1	0.27	10	1.99	897	<1	0.02	15	1040	<2	7.20	<2	6	10	<20
Target Range - Lower Bound		<1	0.25	<10	1.87	834	<1	<0.01	13	970	<2	6.80	<2	5	9	<20
Upper Bound		2	0.29	20	2.09	932	2	0.03	17	1090	4	7.54	4	7	12	40
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
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Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

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Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES													
ORIGINAL		0.13	<10	<10	91	<10	155								
DUP		0.14	<10	<10	93	<10	154								
Target Range - Lower Bound		0.12	<10	<10	86	<10	145								
Upper Bound		0.15	20	20	98	20	164								
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

Comments: Additional Au-AA23 check assay for sample 1128038092 are 4.21 and 5.55 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
SUITE 1800, TWO BENTALL CENTRE
555 BURRARD STREET, BOX 212
VANCOUVER BC V7X 1M9

Finalized Date: 24-APR-2018
Account: RRR

Project: Mine Site Lab Pulps February

QC CERTIFICATE OF ANALYSIS TB18073654

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	C-IR07	ME-ICP41	OA-ELE07
	OA-VOL08	S-IR08		

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

QC CERTIFICATE TB18098363

Project: Mine Site Lab Pulps March

P.O. No.: 4500009909

This report is for 143 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 27-APR-2018.

The following have access to data associated with this certificate:

JOHN BLIGH	JASON PATTISON	TIM SCHWARTZ

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
ATTN: JASON PATTISON
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10		6.97														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
G913-10			7.00													
Target Range - Lower Bound			6.61													
Upper Bound			7.57													
GGC-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10																
Target Range - Lower Bound																
Upper Bound																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GGC-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
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Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOR	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.1				
Buffer pH6												6.0				
Buffer pH6												6.1				
Buffer pH6												6.0				
Buffer pH6												6.0				
Target Range - Lower Bound												5.3				
Upper Bound												6.7				
DS-1									3.11							
DS-1									3.09							
Target Range - Lower Bound									3.01							
Upper Bound									3.25							
DS-1									3.11	2.66						
DS-1										2.61						
Target Range - Lower Bound										2.51						
Upper Bound										2.71						
G913-10																
Target Range - Lower Bound																
Upper Bound																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GGC-10									5.21							
Target Range - Lower Bound									5.03							
Upper Bound									5.41							
GS310-10									1.04	0.28						
GS310-10									1.06	0.26						
GS310-10										0.26						
GS310-10									1.08	0.27						
GS310-10										0.27						
GS310-10										0.27						
Target Range - Lower Bound										0.25						
Upper Bound										0.29						

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
STANDARDS																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.960														
JK-17		1.945														
JK-17		1.955														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16		0.494														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
LEA-16			0.55													
Target Range - Lower Bound			0.40													
Upper Bound			0.61													
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				4.1	2.51	33	10	430	0.7	<2	1.03	2.0	18	88	618	3.45
MRGeo08				4.1	2.48	32	<10	420	0.7	<2	1.02	2.1	18	87	602	3.42
MRGeo08				4.4	2.56	32	<10	430	0.7	<2	1.05	1.9	19	88	627	3.60
MRGeo08				4.4	2.55	32	<10	420	0.7	<2	1.02	2.0	18	86	632	3.62
MRGeo08				4.5	2.60	32	<10	430	0.8	3	1.05	2.2	19	91	603	3.56
MRGeo08				4.4	2.52	34	<10	420	0.7	<2	1.02	2.1	17	87	608	3.48
Target Range - Lower Bound				3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22
Upper Bound				5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		10	<1	1.20	30	1.10	396	13	0.32	687	980	1045	0.28	4	7	77
MRGeo08		10	<1	1.19	30	1.09	391	13	0.31	682	970	1040	0.28	<2	7	75
MRGeo08		10	1	1.28	30	1.15	415	14	0.33	713	980	1090	0.30	3	7	77
MRGeo08		10	<1	1.26	30	1.13	394	13	0.33	707	1010	1045	0.30	3	7	76
MRGeo08		10	<1	1.23	30	1.15	405	13	0.33	678	990	1070	0.31	3	7	77
MRGeo08		10	1	1.22	30	1.10	402	13	0.32	683	980	1045	0.28	4	7	77
Target Range - Lower Bound		<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71
Upper Bound		30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOR	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
GS313-8										1.21						
GS313-8										1.27						
GS313-8										1.23						
Target Range - Lower Bound										1.19						
Upper Bound										1.29						
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
Target Range - Lower Bound											54		30	22.9	2.18	
Upper Bound											64		38	27.1	2.54	
LEA-16																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b									2.43	1.20						
MA-1b									2.39	1.17						
MA-1b										1.12						
MA-1b									2.35	1.19						
MA-1b										1.19						
Target Range - Lower Bound										1.12						
Upper Bound										1.22						
MRGeo08		20	0.36	<10	<10	97	<10	752								
MRGeo08		20	0.37	<10	<10	96	<10	739								
MRGeo08		20	0.37	<10	<10	98	<10	785								
MRGeo08		20	0.38	<10	<10	96	<10	746								
MRGeo08		20	0.38	<10	<10	100	<10	748								
MRGeo08		20	0.37	<10	<10	96	<10	752								
Target Range - Lower Bound		<20	0.33	<10	<10	90	<10	708								
Upper Bound		60	0.43	20	30	112	20	870								

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
STANDARDS																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08				19.7	2.29	120	<10	90	0.7	15	0.88	18.4	94	81	8660	5.14
OGGeo08				20.5	2.19	121	10	110	0.7	11	0.84	18.4	96	82	8350	4.95
OGGeo08				19.3	2.17	122	10	80	0.7	14	0.88	18.4	94	81	8130	4.96
OGGeo08				19.3	2.15	117	<10	70	0.7	13	0.86	18.1	95	79	8410	5.02
Target Range - Lower Bound				18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51
Upper Bound				22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53
OREAS 602				>100	0.59	664	<10	30	<0.5	60	0.51	24.7	9	30	5140	2.00
OREAS 602				>100	0.59	665	<10	30	<0.5	56	0.51	24.8	9	33	5100	2.01
OREAS 602				>100	0.61	660	<10	30	<0.5	61	0.53	24.9	10	32	5360	2.09
OREAS 602				>100	0.63	673	<10	20	<0.5	60	0.54	24.8	10	33	5280	2.10
OREAS 602				>100	0.59	668	<10	30	<0.5	64	0.52	25.3	10	30	5170	2.00
Target Range - Lower Bound				106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94
Upper Bound				100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40
OREAS 925				3.0	2.88	10	<10	50	0.5	34	0.29	0.6	22	36	6560	6.39
OREAS 925				2.4	2.93	11	<10	50	0.5	30	0.29	0.5	24	39	6150	6.30
OREAS 925				2.4	2.88	21	10	50	0.5	33	0.31	0.5	24	38	6550	6.44
Target Range - Lower Bound				1.9	2.56	5	<10	30	<0.5	27	0.27	<0.5	20	34	5850	5.74
Upper Bound				2.9	3.15	13	20	80	1.6	38	0.36	1.6	27	43	6730	7.04
OxE126		0.602														
OxE126		0.598														
OxE126		0.611														
Target Range - Lower Bound		0.581														
Upper Bound		0.665														

***** See Appendix Page for comments regarding this certificate *****

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		10	<1	1.06	30	0.91	390	879	0.30	8960	820	7170	2.78	22	6	66
OGGeo08		10	1	1.03	30	0.92	379	874	0.28	8830	810	7150	2.78	20	6	65
OGGeo08		<10	1	1.02	30	0.95	376	873	0.29	8480	780	7130	2.75	20	6	64
OGGeo08		10	1	1.03	30	0.93	377	871	0.29	8790	790	7120	2.70	16	6	63
Target Range - Lower Bound		<10	<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59
Upper Bound		30	3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74
OREAS 602		<10	1	0.08	10	0.10	210	4	0.03	60	220	826	1.95	66	1	46
OREAS 602		<10	1	0.08	10	0.10	206	4	0.03	61	230	822	1.95	64	1	47
OREAS 602		<10	1	0.09	10	0.10	219	4	0.03	63	220	862	1.99	65	1	47
OREAS 602		<10	<1	0.09	10	0.10	209	4	0.03	63	230	835	2.04	58	1	48
OREAS 602		<10	1	0.09	10	0.10	209	4	0.03	61	230	848	2.04	59	1	47
Target Range - Lower Bound		<10	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	46	<1	44
Upper Bound		30	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	68	3	56
OREAS 925		10	<1	0.27	20	1.41	866	1	0.01	32	610	107	1.02	<2	3	12
OREAS 925		10	<1	0.27	30	1.50	882	1	0.01	33	630	108	1.01	2	3	14
OREAS 925		10	<1	0.28	30	1.55	879	1	<0.01	33	590	121	1.04	2	3	13
Target Range - Lower Bound		<10	<1	0.27	<10	1.37	805	<1	<0.01	28	540	98	0.88	<2	<1	10
Upper Bound		30	2	0.35	50	1.69	995	3	0.02	36	680	124	1.09	5	5	15
OxE126																
OxE126																
OxE126																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOR	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
NBM-1											50		41	8.8	5.71	2
NBM-1											48		39	8.8	5.49	2
NBM-1											49		40	8.8	5.60	2
NBM-1											50		41	8.8	5.71	2
Target Range - Lower Bound											45		37	7.8	5.26	
Upper Bound											54		47	9.7	6.08	
OGGeo08		20	0.31	<10	<10	79	<10	7110								
OGGeo08		20	0.31	<10	<10	81	10	6820								
OGGeo08		20	0.30	<10	<10	78	10	6730								
OGGeo08		20	0.31	<10	<10	77	<10	7010								
Target Range - Lower Bound		<20	0.27	<10	<10	70	<10	6500								
Upper Bound		60	0.36	20	30	88	20	7950								
OREAS 602		<20	0.01	<10	<10	10	10	3950								
OREAS 602		<20	0.01	<10	<10	10	10	3970								
OREAS 602		<20	0.01	<10	<10	10	<10	4100								
OREAS 602		<20	0.01	<10	<10	10	<10	4040								
OREAS 602		<20	0.01	<10	<10	10	<10	4050								
Target Range - Lower Bound		<20	<0.01	<10	<10	8	<10	3680								
Upper Bound		40	0.03	20	20	14	20	4500								
OREAS 925		<20	0.08	<10	<10	27	<10	425								
OREAS 925		<20	0.08	<10	<10	29	<10	420								
OREAS 925		<20	0.09	<10	<10	29	<10	430								
Target Range - Lower Bound		<20	0.07	<10	<10	27	<10	391								
Upper Bound		50	0.11	20	20	35	20	483								
OxE126																
OxE126																
OxE126																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
BLANKS																
BLANK		0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Target Range - Lower Bound				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Upper Bound				0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	2	<10	<2	<0.01	<2	<1	1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Target Range - Lower Bound		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Upper Bound		20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOR	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK									<0.01							
BLANK									0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<20	<0.01	<10	<10	<1	<10	<2								
Upper Bound		40	0.02	20	20	2	20	4								
BLANK												5.9				
BLANK												6.0				
BLANK												6.1				
BLANK												6.0				
Target Range - Lower Bound												5.5				
Upper Bound												6.9				
BLANK									<0.01	0.01						
BLANK									<0.01	<0.01						
BLANK									<0.01	<0.01						
BLANK										<0.01						
BLANK										0.01						
BLANK									<0.01	<0.01						
BLANK										0.01						
BLANK										<0.01						
Target Range - Lower Bound										<0.01						
Upper Bound										0.02						

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description / Method / Analyte / Units / LOR	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES															
ORIGINAL			58.4	0.28	5180	10	100	<0.5	283	0.17	3.5	6	5	1200	18.25
DUP			59.8	0.29	5330	10	100	<0.5	282	0.18	3.7	7	6	1240	18.80
Target Range - Lower Bound			55.9	0.26	4990	<10	80	<0.5	266	0.16	2.9	5	4	1175	17.60
Upper Bound			62.3	0.31	5520	20	120	1.0	299	0.19	4.3	8	7	1265	19.45
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	0.456														
DUP	0.448														
Target Range - Lower Bound	0.424														
Upper Bound	0.480														
ORIGINAL	0.288														
DUP	0.299														
Target Range - Lower Bound	0.274														
Upper Bound	0.313														
ORIGINAL			0.2	4.02	4	<10	150	<0.5	2	1.34	<0.5	28	234	61	4.58
DUP			0.3	4.18	<2	<10	170	<0.5	2	1.39	<0.5	28	239	64	4.65
Target Range - Lower Bound			<0.2	3.89	<2	<10	140	<0.5	<2	1.29	<0.5	26	224	59	4.37
Upper Bound			0.4	4.32	4	20	180	1.0	4	1.44	1.0	30	249	66	4.86
ORIGINAL	0.169														
DUP	0.199														
Target Range - Lower Bound	0.170														
Upper Bound	0.198														
ORIGINAL	<0.005														
DUP	0.024														
Target Range - Lower Bound	0.009														
Upper Bound	0.020														
ORIGINAL		11.35													
DUP		11.10													
Target Range - Lower Bound		10.60													
Upper Bound		11.85													

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description / Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DUPLICATES															
ORIGINAL	<10	<1	0.38	20	0.05	22	63	0.21	27	790	2710	1.41	1525	<1	474
DUP	<10	<1	0.39	20	0.05	23	64	0.21	28	810	2790	1.45	1520	<1	485
Target Range - Lower Bound	<10	<1	0.36	<10	0.04	16	59	0.19	25	750	2610	1.35	1405	<1	455
Upper Bound	20	2	0.41	30	0.06	29	68	0.23	30	850	2890	1.51	1640	2	504
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	10	<1	0.90	<10	1.71	243	1	0.28	151	640	2	1.21	<2	9	115
DUP	10	<1	0.91	<10	1.75	248	1	0.29	155	660	3	1.21	<2	9	120
Target Range - Lower Bound	<10	<1	0.85	<10	1.63	228	<1	0.26	144	610	<2	1.14	<2	8	111
Upper Bound	20	2	0.96	20	1.83	263	2	0.31	162	690	4	1.28	4	10	124
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES									
ORIGINAL		<20	<0.01	<10	<10	6	10	106								
DUP		<20	<0.01	<10	<10	6	10	108								
Target Range - Lower Bound		<20	<0.01	<10	<10	5	<10	100								
Upper Bound		40	0.02	20	20	7	20	114								
ORIGINAL									7.06							
DUP									7.11							
Target Range - Lower Bound									6.90							
Upper Bound									7.27							
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<20	0.13	<10	<10	97	<10	58								
DUP		<20	0.13	<10	<10	99	<10	61								
Target Range - Lower Bound		<20	0.11	<10	<10	92	<10	55								
Upper Bound		40	0.15	20	20	104	20	64								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DUPLICATES																
ORIGINAL		0.249														
DUP		0.294														
Target Range - Lower Bound		0.253														
Upper Bound		0.290														
1127024368																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128045003																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128045089				0.7	0.44	91	<10	60	<0.5	<2	1.38	1.6	11	88	17	1.56
DUP				0.7	0.46	107	<10	60	<0.5	<2	1.42	1.8	12	91	18	1.62
Target Range - Lower Bound				0.5	0.42	92	<10	50	<0.5	<2	1.32	1.1	10	84	16	1.50
Upper Bound				0.9	0.48	106	20	70	1.0	4	1.48	2.3	13	95	19	1.68
1126003026		0.012														
DUP		0.013														
Target Range - Lower Bound		0.007														
Upper Bound		0.018														
1128043354		0.343														
DUP		0.324														
Target Range - Lower Bound		0.312														
Upper Bound		0.355														
1127023023																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129056006																
DUP																
Target Range - Lower Bound																
Upper Bound																

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ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127024368																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128045003																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128045089		<10	<1	0.28	10	0.45	1370	2	0.01	13	480	217	1.43	2	1	82
DUP		<10	<1	0.29	10	0.46	1420	1	0.01	13	510	238	1.49	2	1	85
Target Range - Lower Bound		<10	<1	0.26	<10	0.42	1320	<1	<0.01	11	460	214	1.38	<2	<1	78
Upper Bound		20	2	0.31	20	0.49	1470	2	0.02	15	530	241	1.54	4	2	89
1126003026																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128043354																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127023023																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129056006																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127024368												9.5				
DUP												9.5				
Target Range - Lower Bound												8.9				
Upper Bound												10.1				
1128045003									0.54	0.66	50		29	20.6	2.42	2
DUP									0.53	0.65	51		31	20.3	2.51	2
Target Range - Lower Bound									0.51	0.63	47		28	19.1	2.33	<1
Upper Bound									0.56	0.68	54		33	21.8	2.60	3
1128045089		<20	0.01	<10	<10	4	<10	488								
DUP		<20	0.01	<10	<10	4	<10	501								
Target Range - Lower Bound		<20	<0.01	<10	<10	3	<10	468								
Upper Bound		40	0.02	20	20	5	20	521								
1126003026																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128043354																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127023023									0.37	0.59						
DUP									0.37	0.63						
Target Range - Lower Bound									0.35	0.58						
Upper Bound									0.39	0.64						
1129056006											7		-29	35.6	0.20	1
DUP											8		-28	35.6	0.22	1
Target Range - Lower Bound											6		-31	33.5	0.19	<1
Upper Bound											9		-26	37.7	0.23	2

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Sample Description / Method / Analyte / Units / LOR	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES															
1127025311 DUP															
Target Range - Lower Bound															
Upper Bound															
1128042101 DUP															
Target Range - Lower Bound															
Upper Bound															
1128042175 DUP															
Target Range - Lower Bound															
Upper Bound															
1128042220 DUP															
Target Range - Lower Bound															
Upper Bound															
1128044119 DUP															
Target Range - Lower Bound															
Upper Bound															
1128043416 DUP	0.290														
	0.297														
Target Range - Lower Bound	0.274														
Upper Bound	0.313														
1126003120 DUP															
Target Range - Lower Bound															
Upper Bound															
1128047167 DUP															
Target Range - Lower Bound															
Upper Bound															

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		DUPLICATES														
1127025311	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128042101	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128042175	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128042220	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128044119	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128043416	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126003120	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128047167	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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	DUPLICATES															
1127025311												9.4				
DUP												9.4				
Target Range - Lower Bound												8.8				
Upper Bound												10.0				
1128042101									0.29	1.34						
DUP									0.29	1.34						
Target Range - Lower Bound									0.27	1.30						
Upper Bound									0.31	1.38						
1128042175												8.8				
DUP												8.9				
Target Range - Lower Bound												8.3				
Upper Bound												9.4				
1128042220											84		24	60.3	1.39	2
DUP											83		23	60.3	1.38	2
Target Range - Lower Bound											78		21	57.0	1.31	<1
Upper Bound											89		26	63.6	1.46	3
1128044119										1.56						
DUP										1.58						
Target Range - Lower Bound										1.52						
Upper Bound										1.62						
1128043416																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126003120										0.84						
DUP										0.85						
Target Range - Lower Bound										0.81						
Upper Bound										0.88						
1128047167									0.74	1.58						
DUP									0.73	1.66						
Target Range - Lower Bound									0.71	1.57						
Upper Bound									0.76	1.67						

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DUPLICATES															
1127031133			1.0	1.45	51	<10	20	<0.5	<2	0.81	13.3	7	108	39	2.42
DUP			1.3	1.50	55	<10	20	<0.5	<2	0.82	13.1	7	109	39	2.44
Target Range - Lower Bound			0.9	1.39	48	<10	<10	<0.5	<2	0.76	12.0	6	102	37	2.30
Upper Bound			1.4	1.56	58	20	30	1.0	4	0.87	14.4	8	115	41	2.56
1128048112	0.404														
DUP	0.364														
Target Range - Lower Bound	0.360														
Upper Bound	0.408														
1128041031															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128047030															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127030042															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	0.065														
DUP	0.096														
Target Range - Lower Bound	0.071														
Upper Bound	0.090														
ORIGINAL			<0.2	1.46	19	<10	10	<0.5	<2	2.24	<0.5	20	64	57	2.09
DUP			<0.2	1.49	19	<10	10	<0.5	<2	2.27	<0.5	20	66	54	2.14
Target Range - Lower Bound			<0.2	1.39	16	<10	<10	<0.5	<2	2.13	<0.5	18	61	53	2.00
Upper Bound			0.4	1.56	22	20	20	1.0	4	2.38	1.0	22	69	58	2.23
ORIGINAL			<0.2	1.13	<2	<10	90	<0.5	<2	1.42	<0.5	14	89	64	1.84
DUP			<0.2	1.15	<2	<10	90	<0.5	<2	1.44	<0.5	15	92	66	1.89
Target Range - Lower Bound			<0.2	1.07	<2	<10	70	<0.5	<2	1.35	<0.5	13	85	62	1.76
Upper Bound			0.4	1.21	4	20	110	1.0	4	1.51	1.0	16	96	68	1.97

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							DUPLICATES									
1127031133		<10	<1	0.23	10	0.75	449	<1	0.04	8	400	23	1.90	<2	<1	26
DUP		<10	<1	0.25	10	0.76	454	1	0.04	10	400	23	1.91	2	<1	26
Target Range -	Lower Bound	<10	<1	0.22	<10	0.71	424	<1	0.03	8	370	20	1.80	<2	<1	24
	Upper Bound	20	2	0.26	20	0.80	479	2	0.05	10	430	26	2.01	4	2	28
1128048112																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1128041031																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1128047030																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1127030042																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
ORIGINAL		0	<1	0.02	<10	1.05	458	<1	0.10	40	250	<2	<0.01	<2	7	12
DUP		<10	<1	0.02	<10	1.07	468	<1	0.11	40	250	<2	<0.01	<2	7	12
Target Range -	Lower Bound	<10	<1	<0.01	<10	1.00	435	<1	0.09	37	230	<2	<0.01	<2	6	10
	Upper Bound	20	2	0.03	20	1.12	491	2	0.12	43	270	4	0.02	4	8	14
ORIGINAL		<10	<1	0.27	<10	0.94	272	1	0.09	54	680	<2	0.03	<2	4	20
DUP		<10	<1	0.28	<10	0.96	281	1	0.09	57	690	<2	0.03	<2	4	21
Target Range -	Lower Bound	<10	<1	0.25	<10	0.89	258	<1	0.08	52	640	<2	0.02	<2	3	18
	Upper Bound	20	2	0.30	20	1.01	295	2	0.10	59	730	4	0.04	4	5	23

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							DUPLICATES									
1127031133		<20	0.01	<10	<10	5	<10	3380	0.13	1.83						
DUP		<20	0.01	<10	<10	6	<10	3370	0.12	1.75						
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	3200	0.11	1.74						
Upper Bound		40	0.02	20	20	7	20	3550	0.14	1.84						
1128048112																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128041031											60		-21	81.3	0.74	2
DUP											59		-22	81.3	0.73	2
Target Range - Lower Bound											56		-24	76.9	0.69	<1
Upper Bound											63		-19	85.7	0.78	3
1128047030										1.85						
DUP										1.86						
Target Range - Lower Bound										1.80						
Upper Bound										1.91						
1127030042												8.6				
DUP												8.6				
Target Range - Lower Bound												8.1				
Upper Bound												9.1				
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<20	0.06	<10	<10	49	<10	25								
DUP		<20	0.07	<10	<10	51	<10	25								
Target Range - Lower Bound		<20	0.05	<10	<10	47	<10	22								
Upper Bound		40	0.08	20	20	54	20	28								
ORIGINAL		<20	0.19	<10	<10	44	<10	26								
DUP		<20	0.20	<10	<10	44	<10	27								
Target Range - Lower Bound		<20	0.18	<10	<10	41	<10	23								
Upper Bound		40	0.21	20	20	47	20	30								

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DUPLICATES																
ORIGINAL				8.5	0.76	2	<10	<10	<0.5	67	21.3	0.6	1	7	>10000	2.68
DUP				8.4	0.76	3	<10	<10	<0.5	69	20.7	0.6	1	7	>10000	2.70
Target Range - Lower Bound				7.8	0.71	<2	<10	<10	<0.5	63	19.95	<0.5	<1	6	9650	2.55
Upper Bound				9.1	0.81	4	20	20	1.0	73	22.1	1.0	2	8	>10000	2.83
ORIGINAL				<0.2	1.69	15	<10	160	<0.5	<2	0.32	<0.5	13	53	4	2.54
DUP				<0.2	1.77	16	<10	170	<0.5	<2	0.35	<0.5	14	55	4	2.63
Target Range - Lower Bound				<0.2	1.63	13	<10	140	<0.5	<2	0.31	<0.5	12	50	3	2.45
Upper Bound				0.4	1.83	18	20	190	1.0	4	0.36	1.0	15	58	5	2.72
ORIGINAL				<0.2	0.56	13	<10	70	0.5	<2	0.02	<0.5	7	3	81	3.49
DUP				<0.2	0.56	13	<10	70	0.5	<2	0.02	<0.5	7	3	84	3.53
Target Range - Lower Bound				<0.2	0.52	10	<10	50	<0.5	<2	<0.01	<0.5	6	2	79	3.32
Upper Bound				0.4	0.60	16	20	90	1.0	4	0.03	1.0	8	4	86	3.70
ORIGINAL		0.013														
DUP		0.016														
Target Range - Lower Bound		0.009														
Upper Bound		0.020														

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DUPLICATES																
ORIGINAL		<10	1	0.02	<10	0.28	1885	8	0.01	1	320	<2	0.28	<2	1	88
DUP		<10	<1	0.02	<10	0.28	1870	8	0.01	1	330	<2	0.28	2	1	88
Target Range - Lower Bound		<10	<1	<0.01	<10	0.26	1780	7	<0.01	<1	300	<2	0.26	<2	<1	83
Upper Bound		20	2	0.03	20	0.30	1975	9	0.02	2	350	4	0.30	4	2	93
ORIGINAL		10	<1	0.49	20	1.03	507	1	0.03	42	470	2	<0.01	<2	3	25
DUP		10	<1	0.51	20	1.06	527	1	0.03	43	490	2	<0.01	<2	3	27
Target Range - Lower Bound		<10	<1	0.47	<10	0.98	486	<1	0.02	39	450	<2	<0.01	<2	2	24
Upper Bound		20	2	0.54	30	1.11	548	2	0.04	46	510	4	0.02	4	4	28
ORIGINAL		<10	2	0.29	10	0.05	20	3	0.02	10	500	13	2.57	4	<1	32
DUP		<10	2	0.29	10	0.05	20	3	0.02	10	510	14	2.59	3	<1	33
Target Range - Lower Bound		<10	<1	0.27	<10	0.04	14	2	<0.01	9	470	11	2.44	<2	<1	30
Upper Bound		20	3	0.31	20	0.06	26	4	0.03	12	540	16	2.72	4	2	35
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES									
ORIGINAL		<20	0.02	<10	<10	8	10	6								
DUP		<20	0.02	<10	<10	8	10	7								
Target Range - Lower Bound		<20	<0.01	<10	<10	7	<10	4								
Upper Bound		40	0.03	20	20	9	20	9								
ORIGINAL		<20	0.06	<10	<10	36	<10	33								
DUP		<20	0.07	<10	<10	38	<10	36								
Target Range - Lower Bound		<20	0.05	<10	<10	34	<10	31								
Upper Bound		40	0.08	20	20	40	20	38								
ORIGINAL		<20	<0.01	<10	<10	3	<10	30								
DUP		<20	<0.01	<10	<10	3	<10	30								
Target Range - Lower Bound		<20	<0.01	<10	<10	2	<10	27								
Upper Bound		40	0.02	20	20	4	20	34								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 18-MAY-2018
Account: RRR

Project: Mine Site Lab Pulps March

QC CERTIFICATE OF ANALYSIS TB18098363

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

QC CERTIFICATE TB18114640

Project: Mine Site Lab Pulps April 2018

P.O. No.: 4500009909

This report is for 219 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 17-MAY-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34			3.5	2.36	107	<10	100	<0.5	5	1.32	1.2	43	183	5770	4.30	10
CDN-CM-34			3.7	2.44	104	<10	100	<0.5	5	1.37	1.0	42	184	5920	4.42	10
CDN-CM-34			3.4	2.24	99	<10	90	<0.5	3	1.24	1.0	38	169	5470	4.07	10
CDN-CM-34			3.8	2.55	105	<10	80	<0.5	4	1.39	1.0	43	188	6010	4.52	10
Target Range - Lower Bound			3.1	2.14	99	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10
Upper Bound			4.3	2.64	125	30	140	1.4	8	1.49	2.0	47	202	6210	4.80	30
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10		6.99														
G913-10		7.28														
G913-10		6.96														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		<1	1.16	10	2.48	303	273	0.11	225	1140	19	2.97	3	9	101	<20
CDN-CM-34		<1	1.19	10	2.48	317	278	0.11	232	1200	24	3.14	5	9	103	<20
CDN-CM-34		<1	1.11	10	2.33	278	250	0.10	212	1110	20	2.89	5	9	99	<20
CDN-CM-34		1	1.19	10	2.55	319	287	0.11	237	1220	24	3.21	4	10	104	<20
Target Range - Lower Bound		<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																

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Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS															
Buffer pH6											6.0				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Target Range - Lower Bound											5.3				
Upper Bound											6.7				
CDN-CM-34		0.18	<10	<10	104	10	177								
CDN-CM-34		0.18	<10	<10	106	10	189								
CDN-CM-34		0.16	<10	<10	98	10	166								
CDN-CM-34		0.19	<10	<10	108	10	185								
Target Range - Lower Bound		0.15	<10	<10	95	<10	159								
Upper Bound		0.21	20	20	118	30	199								
DS-1								3.16							
DS-1								3.16							
Target Range - Lower Bound								3.01							
Upper Bound								3.25							
DS-1								3.12	2.70						
DS-1								3.15	2.69						
Target Range - Lower Bound								3.01	2.51						
Upper Bound								3.25	2.71						
G913-10															
G913-10															
G913-10															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		STANDARDS														
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.960														
JK-17		1.965														
JK-17		1.955														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		STANDARDS														
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
GS310-10								1.11	0.26						
GS310-10								1.10	0.26						
GS310-10								1.08	0.29						
GS310-10								1.05	0.26						
GS310-10									0.27						
GS310-10									0.25						
GS310-10									0.26						
GS310-10									0.26						
GS310-10									0.27						
Target Range - Lower Bound									0.25						
Upper Bound									0.29						
GS313-8								0.95							
Target Range - Lower Bound								0.90							
Upper Bound								0.98							
GS313-8								0.93	1.26						
GS313-8								0.95	1.25						
GS313-8								0.94	1.27						
Target Range - Lower Bound								0.90	1.19						
Upper Bound								0.98	1.29						
JK-17															
JK-17															
JK-17															
Target Range - Lower Bound															
Upper Bound															
KZK-1										60		35	25.0	2.40	2
KZK-1										60		35	25.0	2.40	2
KZK-1										59		34	25.0	2.36	2
KZK-1										60		35	25.0	2.40	2
KZK-1										62		37	25.0	2.48	2
KZK-1										61		36	25.0	2.44	2
Target Range - Lower Bound										54		30	22.9	2.18	
Upper Bound										64		38	27.1	2.54	

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Finalized Date: 14-JUN-2018
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Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
STANDARDS																
LEA-16		0.496														
LEA-16		0.509														
LEA-16		0.502														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08			4.3	2.49	30	<10	410	0.7	2	1.00	2.0	18	86	588	3.39	10
MRGeo08			4.2	2.45	30	<10	420	0.7	<2	1.01	2.0	17	87	607	3.53	10
MRGeo08			4.6	2.74	33	<10	460	0.8	2	1.09	2.3	18	94	652	3.65	10
MRGeo08			4.5	2.61	33	<10	440	0.7	2	1.07	2.1	19	90	638	3.74	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																

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2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
LEA-16																
LEA-16																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		<1	1.18	30	1.04	396	13	0.31	659	970	1000	0.28	4	6	74	20
MRGeo08		<1	1.21	30	1.09	398	13	0.31	690	970	1035	0.29	4	6	73	20
MRGeo08		<1	1.26	30	1.16	422	14	0.35	714	1050	1080	0.30	4	7	85	20
MRGeo08		<1	1.32	30	1.17	416	14	0.33	713	1020	1095	0.30	4	7	81	20
Target Range - Lower Bound		<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
LEA-16															
LEA-16															
LEA-16															
Target Range - Lower Bound															
Upper Bound															
MA-1b								2.44							
Target Range - Lower Bound								2.34							
Upper Bound								2.54							
MA-1b									1.18						
MA-1b								2.47	1.17						
MA-1b								2.38	1.17						
MA-1b									1.18						
MA-1b									1.20						
MA-1b									1.17						
MA-1b									1.13						
MA-1b									1.21						
MA-1b									1.12						
Target Range - Lower Bound									1.12						
Upper Bound									1.22						
MP-1b									13.50						
Target Range - Lower Bound									13.30						
Upper Bound									14.30						
MRGeo08		0.36	<10	<10	94	<10	755								
MRGeo08		0.37	<10	<10	97	<10	745								
MRGeo08		0.39	<10	<10	104	<10	788								
MRGeo08		0.38	<10	<10	99	<10	800								
Target Range - Lower Bound		0.33	<10	<10	90	<10	708								
Upper Bound		0.43	20	30	112	20	870								
NBM-1										51		42	8.8	5.83	2
NBM-1										50		41	8.8	5.71	2
NBM-1										49		40	8.8	5.60	2
NBM-1										50		41	8.8	5.71	2
NBM-1										49		40	8.8	5.60	2
NBM-1										49		40	8.8	5.60	2
Target Range - Lower Bound										45		37	7.8	5.26	
Upper Bound										54		47	9.7	6.08	

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EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
STANDARDS																	
OGGeo08			20.1	2.21	122	<10	60	0.7	12	0.89	18.8	98	84	8590	5.15	10
OGGeo08			20.1	2.24	119	<10	60	0.7	14	0.89	19.1	96	82	8550	5.14	10
OGGeo08			20.4	2.24	120	<10	90	0.7	12	0.87	19.0	98	83	8500	5.09	10
Target Range - Lower Bound			18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51	<10
Upper Bound			22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53	30
OREAS 503c		0.674														
OREAS 503c		0.695														
OREAS 503c		0.692														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602			>100	0.61	660	<10	30	<0.5	58	0.50	25.1	10	28	5190	1.98	<10
OREAS 602			>100	0.58	661	<10	30	<0.5	58	0.52	25.1	9	32	5130	2.04	<10
OREAS 602			>100	0.63	692	<10	30	<0.5	61	0.53	26.1	10	32	5350	2.04	<10
OREAS 602			>100	0.64	675	<10	30	<0.5	62	0.54	25.6	10	32	5230	2.10	<10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
BLANKS																	
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
OGGeo08		<1	1.06	30	0.96	398	903	0.31	9030	800	7380	2.75	16	6	65	20
OGGeo08		1	1.05	30	0.93	397	898	0.29	8920	830	7260	2.85	19	6	64	20
OGGeo08		<1	1.05	30	0.95	391	890	0.29	8920	830	7210	2.81	21	6	66	20
Target Range -	Lower Bound	<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59	<20
	Upper Bound	3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74	60
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range -	Lower Bound															
	Upper Bound															
OREAS 602		1	0.09	10	0.10	211	4	0.03	58	230	821	2.00	62	1	48	<20
OREAS 602		1	0.08	10	0.10	212	4	0.03	62	220	838	1.97	68	1	46	<20
OREAS 602		1	0.09	10	0.10	215	4	0.03	62	240	846	2.05	67	1	47	<20
OREAS 602		1	0.09	10	0.11	216	4	0.02	61	230	861	2.03	66	1	49	<20
Target Range -	Lower Bound	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	46	<1	44	<20
	Upper Bound	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	68	3	56	40
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK		<1	<0.01	<10	<0.01	<5	<1	0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	2	<1	<1	<20

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
OGGeo08		0.32	<10	<10	81	<10	7120								
OGGeo08		0.31	<10	<10	80	<10	7170								
OGGeo08		0.31	<10	<10	81	<10	7090								
Target Range - Lower Bound		0.27	<10	<10	70	<10	6500								
Upper Bound		0.36	20	30	88	20	7950								
OREAS 503c															
OREAS 503c															
OREAS 503c															
Target Range - Lower Bound															
Upper Bound															
OREAS 602		0.01	<10	<10	10	<10	4030								
OREAS 602		0.01	<10	<10	10	10	3930								
OREAS 602		0.01	<10	<10	10	<10	4110								
OREAS 602		0.01	<10	<10	10	<10	4100								
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680								
Upper Bound		0.03	20	20	14	20	4500								
BLANKS															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK								0.01							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
BLANKS																
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL			<0.2	2.89	402	<10	80	<0.5	14	0.01	<0.5	70	16	919	7.54	20
DUP			0.2	3.15	422	<10	80	<0.5	13	0.01	<0.5	73	17	982	8.14	30
Target Range - Lower Bound			<0.2	2.86	389	<10	60	<0.5	11	<0.01	<0.5	67	15	916	7.44	<10
Upper Bound			0.4	3.18	435	20	100	1.0	16	0.02	1.0	76	18	985	8.24	40

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
BLANKS																
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL		<1	0.83	20	0.57	128	<1	0.01	3	130	<2	0.01	<2	3	2	<20
DUP		<1	0.89	20	0.61	143	<1	0.01	5	140	<2	0.01	<2	3	2	<20
Target Range - Lower Bound		<1	0.81	<10	0.55	124	<1	<0.01	3	120	<2	<0.01	<2	2	<1	<20
Upper Bound		2	0.91	30	0.63	147	2	0.02	5	150	4	0.02	4	4	3	40

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
BLANKS															
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								
BLANK											6.0				
BLANK											6.1				
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
Target Range - Lower Bound											5.5				
Upper Bound											6.9				
BLANK								0.01	<0.01						
BLANK								0.01	0.01						
BLANK								<0.01	<0.01						
BLANK								<0.01	<0.01						
BLANK								0.01	0.01						
BLANK								0.01	<0.01						
BLANK								<0.01	<0.01						
BLANK									0.01						
BLANK									0.01						
BLANK									<0.01						
BLANK									<0.01						
BLANK									<0.01						
BLANK									0.01						
Target Range - Lower Bound									<0.01						
Upper Bound									0.02						
DUPLICATES															
ORIGINAL		0.09	<10	<10	19	<10	12								
DUP		0.09	<10	<10	20	<10	13								
Target Range - Lower Bound		0.08	<10	<10	18	<10	10								
Upper Bound		0.10	20	20	21	20	15								

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL		<0.005														
DUP		0.011														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL			0.2	2.28	7	10	10	<0.5	<2	2.44	0.5	32	20	250	5.04	10
DUP			0.2	2.32	9	10	10	<0.5	<2	2.45	0.5	33	21	247	5.09	10
Target Range - Lower Bound			<0.2	2.18	6	<10	<10	<0.5	<2	2.31	<0.5	30	18	239	4.80	<10
Upper Bound			0.4	2.43	10	20	20	1.0	4	2.58	1.0	35	23	258	5.33	20
1131072046																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127030050		0.523														
DUP		0.401														
Target Range - Lower Bound		0.434														
Upper Bound		0.490														
1127030016																
DUP																
Target Range - Lower Bound																
Upper Bound																
1130101009																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127030101			1.0	1.21	68	<10	30	<0.5	<2	0.34	<0.5	8	141	46	2.34	<10
DUP			1.0	1.23	73	<10	30	<0.5	<2	0.34	<0.5	8	138	42	2.35	<10
Target Range - Lower Bound			0.8	1.15	65	<10	20	<0.5	<2	0.31	<0.5	7	132	41	2.22	<10
Upper Bound			1.3	1.29	76	20	40	1.0	4	0.37	1.0	9	147	47	2.47	20

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EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<1	0.07	10	1.86	622	<1	0.15	32	860	28	0.28	3	12	27	<20
DUP		<1	0.07	10	1.87	620	<1	0.15	33	860	26	0.28	<2	13	28	<20
Target Range - Lower Bound		<1	0.06	<10	1.76	585	<1	0.13	30	810	24	0.26	<2	11	25	<20
Upper Bound		2	0.08	20	1.97	657	2	0.17	35	910	30	0.30	4	14	30	40
1131072046																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127030050																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127030016																
DUP																
Target Range - Lower Bound																
Upper Bound																
1130101009																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127030101		<1	0.20	10	0.75	454	1	0.01	12	410	32	1.53	<2	<1	8	<20
DUP		<1	0.21	10	0.76	460	<1	0.01	11	420	31	1.53	<2	<1	8	<20
Target Range - Lower Bound		<1	0.18	<10	0.71	429	<1	<0.01	10	380	28	1.44	<2	<1	7	<20
Upper Bound		2	0.23	20	0.80	485	2	0.02	13	450	35	1.62	4	2	9	40

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL								0.16	<0.01						
DUP								0.15	<0.01						
Target Range - Lower Bound								0.14	<0.01						
Upper Bound								0.17	0.02						
ORIGINAL		0.14	<10	<10	139	<10	122								
DUP		0.14	<10	<10	141	<10	122								
Target Range - Lower Bound		0.12	<10	<10	132	<10	114								
Upper Bound		0.16	20	20	148	20	130								
1131072046										15		-36	51.3	0.29	1
DUP										15		-36	51.3	0.29	1
Target Range - Lower Bound										13		-39	48.4	0.27	<1
Upper Bound										17		-33	54.2	0.31	2
1127030050											8.4				
DUP											8.3				
Target Range - Lower Bound											7.8				
Upper Bound											8.9				
1127030016									2.27						
DUP									2.34						
Target Range - Lower Bound									2.24						
Upper Bound									2.37						
1130101009								0.81	0.46						
DUP								0.81	0.50						
Target Range - Lower Bound								0.78	0.46						
Upper Bound								0.84	0.50						
1127030101		<0.01	<10	<10	5	<10	113								
DUP		<0.01	<10	<10	5	<10	116								
Target Range - Lower Bound		<0.01	<10	<10	4	<10	107								
Upper Bound		0.02	20	20	6	20	122								

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
1127036094		0.112														
DUP		0.091														
Target Range - Lower Bound		0.091														
Upper Bound		0.112														
1127041170																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127041214			4.3	0.52	52	<10	20	<0.5	<2	1.20	3.8	8	30	84	1.89	<10
DUP			3.9	0.52	51	<10	20	<0.5	<2	1.18	3.7	8	31	83	1.88	<10
Target Range - Lower Bound			3.7	0.48	47	<10	<10	<0.5	<2	1.12	3.1	7	28	80	1.78	<10
Upper Bound			4.5	0.56	56	20	30	1.0	4	1.26	4.4	9	33	87	1.99	20
1127029114																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127034152		3.20														
DUP		4.12														
Target Range - Lower Bound		3.47														
Upper Bound		3.85														
1127034070																
DUP																
Target Range - Lower Bound																
Upper Bound																
1230004119		0.230														
DUP		0.217														
Target Range - Lower Bound		0.207														
Upper Bound		0.240														
1230004142			2.9	0.78	26	<10	50	<0.5	<2	1.76	3.7	9	122	81	2.23	<10
DUP			2.8	0.79	29	<10	50	<0.5	<2	1.77	3.9	9	124	82	2.24	<10
Target Range - Lower Bound			2.5	0.74	24	<10	40	<0.5	<2	1.67	3.1	8	116	78	2.11	<10
Upper Bound			3.2	0.83	31	20	60	1.0	4	1.86	4.5	10	130	85	2.36	20

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
1127036094																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127041170																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127041214		1	0.16	10	0.52	1050	1	0.02	10	410	70	2.09	<2	<1	14	<20
DUP		1	0.16	10	0.52	1040	1	0.02	11	410	51	2.09	<2	<1	13	<20
Target Range - Lower Bound		<1	0.14	<10	0.48	988	<1	<0.01	9	380	55	1.98	<2	<1	12	<20
Upper Bound		2	0.18	20	0.56	1100	2	0.03	12	440	66	2.20	4	2	15	40
1127029114																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127034152																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127034070																
DUP																
Target Range - Lower Bound																
Upper Bound																
1230004119																
DUP																
Target Range - Lower Bound																
Upper Bound																
1230004142		<1	0.21	20	0.47	661	1	0.04	10	480	45	2.38	2	<1	33	<20
DUP		<1	0.22	20	0.47	670	1	0.05	10	480	45	2.41	2	<1	34	<20
Target Range - Lower Bound		<1	0.19	<10	0.44	627	<1	0.03	9	450	41	2.27	<2	<1	31	<20
Upper Bound		2	0.24	30	0.50	704	2	0.06	12	510	49	2.52	4	2	36	40

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		DUPLICATES													
1127036094															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127041170										43		-24	66.6	0.65	2
DUP										43		-24	66.6	0.65	2
Target Range - Lower Bound										40		-26	63.0	0.61	<1
Upper Bound										46		-22	70.2	0.69	3
1127041214		<0.01	<10	<10	2	<10	1000	0.57	2.02						
DUP		<0.01	<10	<10	2	<10	932	0.58	2.07						
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	916	0.55	1.98						
Upper Bound		0.02	20	20	3	20	1015	0.60	2.11						
1127029114											8.7				
DUP											8.6				
Target Range - Lower Bound											8.1				
Upper Bound											9.2				
1127034152															
DUP															
Target Range - Lower Bound															
Upper Bound															
1127034070									1.96						
DUP									1.91						
Target Range - Lower Bound									1.88						
Upper Bound									1.99						
1230004119															
DUP															
Target Range - Lower Bound															
Upper Bound															
1230004142		<0.01	<10	<10	4	10	976			53	8.4	-23	75.9	0.70	2
DUP		<0.01	<10	<10	4	10	997			53	8.5	-23	75.9	0.70	2
Target Range - Lower Bound		<0.01	<10	<10	3	<10	935			49	7.9	-25	71.8	0.66	<1
Upper Bound		0.02	20	20	5	20	1040			57	9.0	-21	80.0	0.75	3

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1230003232																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127042162		0.327														
DUP		0.292														
Target Range - Lower Bound		0.289														
Upper Bound		0.330														
1126004113		0.083														
DUP		0.082														
Target Range - Lower Bound		0.073														
Upper Bound		0.092														
1126004165			0.6	1.63	40	<10	50	<0.5	<2	1.96	1.5	6	59	13	1.59	<10
DUP			0.4	1.78	42	<10	50	<0.5	<2	2.08	1.6	7	68	15	1.71	<10
Target Range - Lower Bound			0.3	1.61	37	<10	40	<0.5	<2	1.91	1.0	5	59	13	1.56	<10
Upper Bound			0.7	1.80	45	20	60	1.0	4	2.13	2.1	8	68	15	1.74	20
1230003120																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126010188																
DUP																
Target Range - Lower Bound																
Upper Bound																
1230002037																
DUP																
Target Range - Lower Bound																
Upper Bound																
1230002003		0.219														
DUP		0.210														
Target Range - Lower Bound		0.199														
Upper Bound		0.230														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1230003232	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1127042162	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126004113	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126004165		<1	0.23	10	0.75	519	<1	0.06	7	370	14	0.85	<2	1	36	<20
	DUP	<1	0.25	10	0.82	559	<1	0.07	8	400	16	0.91	2	1	38	<20
	Target Range - Lower Bound	<1	0.22	<10	0.74	507	<1	0.05	6	360	12	0.83	<2	<1	34	<20
	Upper Bound	2	0.26	20	0.83	571	2	0.08	9	410	18	0.93	4	2	40	40
1230003120	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126010188	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230002037	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230002003	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1230003232								0.53	1.46						
DUP								0.53	1.42						
Target Range - Lower Bound								0.51	1.35						
Upper Bound								0.55	1.44						
1127042162															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126004113															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126004165		<0.01	<10	<10	6	<10	355								
DUP		<0.01	<10	<10	6	<10	382								
Target Range - Lower Bound		<0.01	<10	<10	5	<10	348								
Upper Bound		0.02	20	20	7	20	389								
1230003120										16		-20	35.6	0.45	1
DUP										16		-20	35.6	0.45	1
Target Range - Lower Bound										14		-22	33.5	0.42	<1
Upper Bound										18		-18	37.7	0.48	2
1126010188								0.71	1.16						
DUP								0.72	1.13						
Target Range - Lower Bound								0.69	1.11						
Upper Bound								0.74	1.18						
1230002037											7.7				
DUP											7.7				
Target Range - Lower Bound											7.2				
Upper Bound											8.2				
1230002003															
DUP															
Target Range - Lower Bound															
Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
							DUPLICATES									
1126014113			0.9	1.18	51	<10	30	<0.5	<2	1.63	1.3	7	111	18	1.66	<10
DUP			0.8	1.14	51	<10	30	<0.5	<2	1.60	1.4	6	110	17	1.63	<10
Target Range - Lower Bound			0.6	1.09	46	<10	20	<0.5	<2	1.52	0.8	5	104	16	1.55	<10
Upper Bound			1.1	1.23	56	20	40	1.0	4	1.71	1.9	8	117	19	1.74	20
1126007145																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126014073		0.363														
DUP		0.354														
Target Range - Lower Bound		0.336														
Upper Bound		0.381														
1126007003																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126007010																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126012077		0.090														
DUP		0.082														
Target Range - Lower Bound		0.077														
Upper Bound		0.095														
1126012086			<0.2	1.63	4	<10	120	<0.5	<2	1.85	<0.5	12	103	20	2.67	10
DUP			<0.2	1.68	4	<10	120	<0.5	<2	1.88	<0.5	13	107	21	2.73	10
Target Range - Lower Bound			<0.2	1.56	<2	<10	100	<0.5	<2	1.76	<0.5	11	99	19	2.56	<10
Upper Bound			0.4	1.75	6	20	140	1.0	4	1.97	1.0	14	111	22	2.85	20
V829070																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
1126014113		<1	0.25	10	0.86	824	1	0.02	6	420	174	1.51	<2	1	33	<20
DUP		<1	0.25	10	0.83	807	1	0.02	6	410	176	1.47	<2	1	32	<20
Target Range -	Lower Bound	<1	0.23	<10	0.79	770	<1	<0.01	5	380	164	1.41	<2	<1	30	<20
	Upper Bound	2	0.27	20	0.90	861	2	0.03	7	450	186	1.57	4	2	35	40
1126007145																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126014073																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126007003																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126007010																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126012077																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126012086		1	0.39	20	0.93	373	1	0.08	15	680	2	0.24	<2	2	56	<20
DUP		1	0.40	20	0.95	380	<1	0.08	15	690	2	0.25	<2	3	60	<20
Target Range -	Lower Bound	<1	0.37	<10	0.88	353	<1	0.07	13	640	<2	0.22	<2	<1	54	<20
	Upper Bound	2	0.42	30	1.00	400	2	0.09	17	730	4	0.27	4	4	62	40
V829070																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1126014113		<0.01	<10	<10	6	<10	363								
DUP		<0.01	<10	<10	5	<10	364								
Target Range - Lower Bound		<0.01	<10	<10	4	<10	343								
Upper Bound		0.02	20	20	7	20	384								
1126007145											9.0				
DUP											9.0				
Target Range - Lower Bound											8.5				
Upper Bound											9.6				
1126014073															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126007003								0.37	0.47	35		20	14.7	2.38	2
DUP								0.37	0.50	35		19	15.6	2.24	2
Target Range - Lower Bound								0.35	0.46	32		18	14.1	2.18	<1
Upper Bound								0.39	0.51	38		21	16.2	2.44	3
1126007010									0.67						
DUP									0.64						
Target Range - Lower Bound									0.63						
Upper Bound									0.68						
1126012077															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126012086		0.08	<10	<10	43	<10	52								
DUP		0.08	<10	<10	44	10	52								
Target Range - Lower Bound		0.07	<10	<10	40	<10	47								
Upper Bound		0.09	20	20	47	20	57								
V829070								0.02							
DUP								0.03							
Target Range - Lower Bound								<0.01							
Upper Bound								0.04							

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1230003024	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126011032	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126011149	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		0.027														
DUP		0.047														
Target Range - Lower Bound		0.030														
Upper Bound		0.044														
ORIGINAL		0.635														
DUP		0.657														
Target Range - Lower Bound		0.609														
Upper Bound		0.683														
ORIGINAL		1.200														
DUP		1.355														
Target Range - Lower Bound		1.210														
Upper Bound		1.345														

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Finalized Date: 14-JUN-2018
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Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1230003024	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126011032	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126011149	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
DUPLICATES															
1230003024								0.15	1.39						
DUP								0.13	1.39						
Target Range - Lower Bound								0.13	1.35						
Upper Bound								0.15	1.43						
1126011032										69		52	17.5	3.94	2
DUP										69		52	17.5	3.94	2
Target Range - Lower Bound										65		48	16.3	3.73	<1
Upper Bound										73		56	18.7	4.15	3
1126011149											8.8				
DUP											8.8				
Target Range - Lower Bound											8.3				
Upper Bound											9.3				
ORIGINAL									0.74						
DUP									0.77						
Target Range - Lower Bound									0.73						
Upper Bound									0.78						
ORIGINAL									1.02						
DUP									1.02						
Target Range - Lower Bound									0.98						
Upper Bound									1.06						
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
DUPLICATES																
ORIGINAL		<0.005														
DUP		0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.018														
DUP		0.023														
Target Range - Lower Bound		0.014														
Upper Bound		0.027														

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
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Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES													
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 14-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps April 2018

QC CERTIFICATE OF ANALYSIS TB18114640

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	C-IR07	ME-ICP41	OA-ELE07
	OA-VOL08	S-IR08		

ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

QC CERTIFICATE TB18114668

Project: Mine Site Lab Pulps 2017 Backl

P.O. No.: 4500009909

This report is for 154 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 17-MAY-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34			3.5	2.45	104	<10	110	<0.5	4	1.33	1.0	41	180	5830	4.33	10
CDN-CM-34			3.3	2.25	97	<10	100	<0.5	6	1.29	1.0	39	170	5560	4.22	10
CDN-CM-34			3.5	2.32	102	<10	100	<0.5	4	1.26	1.1	39	176	5780	4.19	10
Target Range - Lower Bound			3.1	2.14	99	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10
Upper Bound			4.3	2.64	125	30	140	1.4	8	1.49	2.0	47	202	6210	4.80	30
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10		7.37														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 7-JUN-2018
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Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		<1	1.22	10	2.52	300	271	0.10	231	1180	24	3.06	5	9	104	<20
CDN-CM-34		<1	1.10	10	2.36	280	258	0.10	211	1100	21	2.92	3	9	97	<20
CDN-CM-34		<1	1.12	10	2.36	299	268	0.11	229	1160	20	2.97	5	9	102	<20
Target Range - Lower Bound		<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Target Range - Lower Bound											5.3				
Upper Bound											6.7				
CCU-1e									35.1						
Target Range - Lower Bound									34.3						
Upper Bound									36.8						
CDN-CM-34		0.18	<10	<10	105	10	173								
CDN-CM-34		0.17	<10	<10	98	10	169								
CDN-CM-34		0.17	<10	<10	102	10	172								
Target Range - Lower Bound		0.15	<10	<10	95	<10	159								
Upper Bound		0.21	20	20	118	30	199								
DS-1								3.11							
Target Range - Lower Bound								3.01							
Upper Bound								3.25							
DS-1								3.14	2.65						
DS-1								3.22	2.70						
DS-1								3.14	2.63						
DS-1									2.66						
Target Range - Lower Bound									2.51						
Upper Bound									2.71						
G913-10															
Target Range - Lower Bound															
Upper Bound															
GS310-10								1.03	0.27						
GS310-10								1.10	0.26						
GS310-10								1.10	0.26						
GS310-10									0.25						
Target Range - Lower Bound									0.25						
Upper Bound									0.29						

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QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		STANDARDS														
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		2.00														
JK-17		2.01														
JK-17		2.00														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16		0.512														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
GS313-8								0.95							
Target Range - Lower Bound								0.90							
Upper Bound								0.98							
GS313-8								0.95	1.27						
GS313-8								0.96	1.27						
GS313-8								0.93	1.27						
GS313-8									1.26						
Target Range - Lower Bound									1.19						
Upper Bound									1.29						
JK-17															
JK-17															
JK-17															
Target Range - Lower Bound															
Upper Bound															
KZK-1										60		35	25.0	2.40	2
KZK-1										59		34	25.0	2.36	2
KZK-1										60		35	25.0	2.40	2
KZK-1										60		35	25.0	2.40	2
Target Range - Lower Bound										54		30	22.9	2.18	
Upper Bound										64		38	27.1	2.54	
LEA-16															
Target Range - Lower Bound															
Upper Bound															
MA-1b								2.38	1.16						
MA-1b								2.47	1.15						
MA-1b								2.42	1.14						
MA-1b									1.20						
MA-1b									1.15						
Target Range - Lower Bound									1.12						
Upper Bound									1.22						
MP-1b									13.55						
Target Range - Lower Bound									13.30						
Upper Bound									14.30						

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
MRGeo08			4.4	2.59	33	<10	430	0.8	<2	1.02	2.2	19	90	625	3.51	10
MRGeo08			4.6	2.81	35	<10	470	0.8	2	1.16	2.3	20	99	656	3.88	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08			19.5	2.18	118	<10	90	0.7	12	0.88	18.7	95	80	8500	5.04	10
OGGeo08			19.5	2.14	116	<10	70	0.7	14	0.87	18.4	95	80	8370	5.10	10
OGGeo08			19.2	2.13	117	<10	70	0.7	11	0.84	18.0	92	79	8330	4.89	10
Target Range - Lower Bound			18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51	<10
Upper Bound			22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53	30
OREAS 503c		0.708														
OREAS 503c		0.700														
OREAS 503c		0.687														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602			>100	0.59	665	<10	30	<0.5	59	0.49	25.1	9	32	5180	1.97	<10
OREAS 602			>100	0.68	722	<10	30	<0.5	68	0.56	27.6	10	34	5430	2.20	<10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
MRGeo08		<1	1.20	30	1.10	414	14	0.34	721	1020	1065	0.30	4	7	82	20
MRGeo08		<1	1.32	40	1.23	444	15	0.36	740	1110	1145	0.34	4	8	86	20
Target Range -	Lower Bound	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
	Upper Bound	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range -	Lower Bound															
	Upper Bound															
OGGeo08		<1	1.07	30	0.93	382	867	0.29	8880	820	7140	2.77	23	6	65	20
OGGeo08		1	1.02	30	0.93	376	874	0.28	8640	790	7240	2.74	20	6	62	20
OGGeo08		<1	1.00	30	0.89	381	865	0.29	8880	790	7000	2.67	19	6	64	<20
Target Range -	Lower Bound	<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59	<20
	Upper Bound	3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74	60
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range -	Lower Bound															
	Upper Bound															
OREAS 602		1	0.08	10	0.10	210	4	0.03	62	230	829	1.97	65	1	47	<20
OREAS 602		1	0.09	10	0.11	226	4	0.03	64	250	893	2.16	63	1	53	<20
Target Range -	Lower Bound	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	46	<1	44	<20
	Upper Bound	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	68	3	56	40
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															

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EMO ON P0W 1E0

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QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS															
MRGeo08		0.37	<10	<10	100	<10	773								
MRGeo08		0.40	<10	<10	109	<10	822								
Target Range - Lower Bound		0.33	<10	<10	90	<10	708								
Upper Bound		0.43	20	30	112	20	870								
NBM-1										51		42	8.8	5.83	2
NBM-1										50		41	8.8	5.71	2
NBM-1										51		42	8.8	5.83	2
NBM-1										49		40	8.8	5.60	2
Target Range - Lower Bound										45		37	7.8	5.26	
Upper Bound										54		47	9.7	6.08	
OGGeo08		0.31	<10	<10	79	<10	6840								
OGGeo08		0.30	<10	<10	78	<10	6950								
OGGeo08		0.30	<10	<10	77	10	6720								
Target Range - Lower Bound		0.27	<10	<10	70	<10	6500								
Upper Bound		0.36	20	30	88	20	7950								
OREAS 503c															
OREAS 503c															
OREAS 503c															
Target Range - Lower Bound															
Upper Bound															
OREAS 602		0.01	<10	<10	10	<10	3970								
OREAS 602		0.01	<10	<10	11	<10	4360								
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680								
Upper Bound		0.03	20	20	14	20	4500								
BLANKS															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	0.01	<1	<10	<2	0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
BLANKS															
BLANK								0.01							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
BLANK											5.9				
Target Range - Lower Bound											5.5				
Upper Bound											6.9				
BLANK								<0.01	<0.01						
BLANK								<0.01	0.01						
BLANK								0.01	<0.01						
BLANK								0.01	<0.01						
BLANK								0.01	<0.01						
BLANK								<0.01	<0.01						
BLANK									0.01						
BLANK									0.01						
BLANK									<0.01						
Target Range - Lower Bound									<0.01						
Upper Bound									0.02						
DUPLICATES															
ORIGINAL								11.85	<0.01						
DUP								11.90	<0.01						
Target Range - Lower Bound								11.55	<0.01						
Upper Bound								12.20	0.02						

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description / Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES															
ORIGINAL	1.010														
DUP	1.000														
Target Range - Lower Bound	0.950														
Upper Bound	1.060														
ORIGINAL	<0.005														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
1128007246															
DUP															
Target Range - Lower Bound															
Upper Bound															
1129025108		0.5	3.64	8	<10	170	<0.5	<2	2.76	1.5	36	204	99	6.34	10
DUP		0.6	3.85	9	<10	170	<0.5	<2	2.89	1.5	38	210	101	6.65	10
Target Range - Lower Bound		0.3	3.55	6	<10	150	<0.5	<2	2.67	0.9	34	196	96	6.16	<10
Upper Bound		0.8	3.94	11	20	190	1.0	4	2.98	2.1	40	218	105	6.83	20
1129027235															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128017058	1.080														
DUP	1.025														
Target Range - Lower Bound	0.995														
Upper Bound	1.110														
1129026040															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128016119		<0.2	1.12	3	<10	60	<0.5	<2	1.11	<0.5	8	305	16	2.02	<10
DUP		<0.2	1.16	4	<10	70	<0.5	<2	1.15	<0.5	8	318	17	2.12	<10
Target Range - Lower Bound		<0.2	1.07	<2	<10	50	<0.5	<2	1.06	<0.5	7	295	15	1.96	<10
Upper Bound		0.4	1.21	4	20	80	1.0	4	1.20	1.0	9	328	18	2.18	20

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128007246																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129025108		<1	0.59	<10	1.14	835	1	0.22	54	750	6	1.04	<2	8	98	<20
DUP		<1	0.61	<10	1.19	886	1	0.24	56	760	3	1.09	2	9	105	<20
Target Range - Lower Bound		<1	0.56	<10	1.10	812	<1	0.21	51	710	<2	1.00	<2	7	95	<20
Upper Bound		2	0.64	20	1.23	909	2	0.25	59	800	7	1.13	4	10	108	40
1129027235																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128017058																
DUP																
Target Range - Lower Bound																
Upper Bound																
1129026040																
DUP																
Target Range - Lower Bound																
Upper Bound																
1128016119		<1	0.23	10	0.61	272	1	0.07	12	370	<2	0.43	<2	2	26	<20
DUP		<1	0.23	10	0.64	285	2	0.07	15	380	<2	0.45	<2	2	27	<20
Target Range - Lower Bound		<1	0.21	<10	0.58	260	<1	0.06	12	350	<2	0.41	<2	<1	24	<20
Upper Bound		2	0.25	20	0.67	297	2	0.08	15	400	4	0.47	4	3	29	40

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES													
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128007246											9.5				
DUP											9.5				
Target Range - Lower Bound											8.9				
Upper Bound											10.1				
1129025108		0.19	<10	<10	159	10	487								
DUP		0.20	<10	<10	167	<10	515								
Target Range - Lower Bound		0.18	<10	<10	154	<10	474								
Upper Bound		0.21	20	20	172	20	528								
1129027235										44		42	2.2	20.11	2
DUP										46		44	2.2	21.03	2
Target Range - Lower Bound										42		40	1.8	19.53	<1
Upper Bound										48		46	2.6	21.61	3
1128017058															
DUP															
Target Range - Lower Bound															
Upper Bound															
1129026040								0.49	0.17						
DUP								0.49	0.14						
Target Range - Lower Bound								0.47	0.14						
Upper Bound								0.51	0.17						
1128016119		0.04	<10	<10	21	<10	30								
DUP		0.04	<10	<10	22	<10	31								
Target Range - Lower Bound		0.03	<10	<10	19	<10	27								
Upper Bound		0.05	20	20	24	20	34								

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1128007101	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128015143	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128016080	DUP	0.028														
	Target Range - Lower Bound	0.026														
	Upper Bound	0.021														
		0.033														
1128013115	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130050138	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1129027259	DUP	0.006														
	Target Range - Lower Bound	0.006														
	Upper Bound	<0.005														
		0.010														
1130052061	DUP		0.4	1.64	24	<10	40	<0.5	2	0.87	0.9	11	222	45	2.37	<10
	Target Range - Lower Bound		0.4	1.62	23	<10	40	<0.5	<2	0.88	0.9	11	221	45	2.35	<10
	Upper Bound		<0.2	1.54	20	<10	30	<0.5	<2	0.82	<0.5	9	209	42	2.23	<10
			0.6	1.72	27	20	50	1.0	4	0.93	1.0	13	234	48	2.49	20
1127029199	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1128007101	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128015143	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128016080	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128013115	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130050138	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1129027259	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130052061		<1	0.21	10	0.87	486	1	0.05	20	500	39	1.27	<2	2	22	<20
	DUP	<1	0.21	10	0.87	489	1	0.05	20	500	37	1.25	<2	2	22	<20
	Target Range - Lower Bound	<1	0.19	<10	0.82	458	<1	0.04	18	470	34	1.19	<2	<1	20	<20
	Upper Bound	2	0.23	20	0.92	517	2	0.06	22	540	42	1.33	4	3	24	40
1127029199	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1128007101											9.4				
DUP											9.4				
Target Range - Lower Bound											8.8				
Upper Bound											10.0				
1128015143									3.24						
DUP									3.17						
Target Range - Lower Bound									3.11						
Upper Bound									3.30						
1128016080															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128013115										119		102	17.2	6.92	3
DUP										116		99	17.2	6.75	3
Target Range - Lower Bound										111		94	16.0	6.48	2
Upper Bound										124		107	18.4	7.19	>4
1130050138								0.12	1.86						
DUP								0.13	1.80						
Target Range - Lower Bound								0.11	1.77						
Upper Bound								0.14	1.89						
1129027259											9.5				
DUP											9.5				
Target Range - Lower Bound											8.9				
Upper Bound											10.1				
1130052061		0.05	<10	<10	24	<10	258								
DUP		0.05	<10	<10	24	<10	257								
Target Range - Lower Bound		0.04	<10	<10	22	<10	243								
Upper Bound		0.06	20	20	26	20	272								
1127029199										100		63	36.9	2.71	3
DUP										99		62	36.9	2.68	3
Target Range - Lower Bound										94		58	34.8	2.55	2
Upper Bound										105		67	39.0	2.84	>4

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1130052019																
DUP																
Target Range - Lower Bound																
Upper Bound																
1130055080		0.441														
DUP		0.421														
Target Range - Lower Bound		0.404														
Upper Bound		0.458														
1128015118																
DUP																
Target Range - Lower Bound																
Upper Bound																
1130055054																
DUP																
Target Range - Lower Bound																
Upper Bound																
1130049050																
DUP																
Target Range - Lower Bound																
Upper Bound																
1130048512			0.3	2.57	11	<10	10	<0.5	4	4.70	0.6	43	378	94	6.57	10
DUP			0.3	2.72	10	<10	10	<0.5	3	4.87	0.5	45	396	99	6.91	10
Target Range - Lower Bound			<0.2	2.50	8	<10	<10	<0.5	<2	4.54	<0.5	41	367	92	6.39	<10
Upper Bound			0.4	2.79	13	20	20	1.0	4	5.03	1.0	47	407	101	7.09	20
1130049055																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127029077		0.395														
DUP		0.380														
Target Range - Lower Bound		0.363														
Upper Bound		0.412														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1130052019	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130055080	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1128015118	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130055054	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130049050	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1130048512		<1	0.02	<10	2.58	953	1	0.03	119	280	<2	1.42	<2	9	91	<20
	DUP	<1	0.02	<10	2.71	990	1	0.03	125	290	<2	1.47	2	9	96	<20
	Target Range - Lower Bound	<1	<0.01	<10	2.50	918	<1	0.02	115	260	<2	1.36	<2	8	88	<20
	Upper Bound	2	0.03	20	2.79	1025	2	0.04	129	310	4	1.53	4	10	99	40
1130049055	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1127029077	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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							DUPLICATES								
1130052019									0.76						
DUP									0.75						
Target Range - Lower Bound									0.73						
Upper Bound									0.78						
1130055080															
DUP															
Target Range - Lower Bound															
Upper Bound															
1128015118								0.15	1.89						
DUP								0.15	1.96						
Target Range - Lower Bound								0.14	1.87						
Upper Bound								0.16	1.98						
1130055054									0.58						
DUP									0.57						
Target Range - Lower Bound									0.55						
Upper Bound									0.60						
1130049050								0.31	1.67						
DUP								0.31	1.72						
Target Range - Lower Bound								0.29	1.64						
Upper Bound								0.33	1.75						
1130048512		0.08	<10	<10	122	<10	62								
DUP		0.08	<10	<10	128	<10	65								
Target Range - Lower Bound		0.07	<10	<10	118	<10	58								
Upper Bound		0.09	20	20	132	20	69								
1130049055											8.7				
DUP											8.7				
Target Range - Lower Bound											8.2				
Upper Bound											9.2				
1127029077															
DUP															
Target Range - Lower Bound															
Upper Bound															

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1130052314	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL			11.2	1.28	754	<10	30	<0.5	11	1.70	43.3	24	4	40	13.25	<10
DUP			12.6	1.30	759	<10	30	<0.5	12	1.69	43.1	23	4	41	13.40	<10
Target Range - Lower Bound			11.1	1.22	717	<10	20	<0.5	9	1.60	40.5	21	3	38	12.65	<10
Upper Bound			12.7	1.36	796	20	40	1.0	14	1.79	45.9	26	5	43	14.00	20
ORIGINAL		1.115														
DUP		1.100														
Target Range - Lower Bound		1.045														
Upper Bound		1.170														
ORIGINAL		0.198														
DUP		0.165														
Target Range - Lower Bound		0.167														
Upper Bound		0.196														
ORIGINAL		0.009														
DUP		0.012														
Target Range - Lower Bound		<0.005														
Upper Bound		0.016														

***** See Appendix Page for comments regarding this certificate *****

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
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Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1130052314	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		2	0.10	<10	0.90	3210	2	<0.01	<1	410	2010	>10.0	43	2	61	<20
DUP		2	0.11	<10	0.90	3220	2	<0.01	1	410	2020	>10.0	41	2	62	<20
	Target Range - Lower Bound	<1	0.09	<10	0.85	3050	<1	<0.01	<1	380	1910	9.49	37	<1	57	<20
	Upper Bound	3	0.12	20	0.96	3380	3	0.02	2	440	2120	10.00	47	3	66	40
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES							
1130052314										8		-39	46.9	0.17	1
DUP										9		-38	46.9	0.19	1
Target Range - Lower Bound										7		-41	44.3	0.16	<1
Upper Bound										10		-36	49.5	0.20	2
ORIGINAL								0.18							
DUP								0.17							
Target Range - Lower Bound								0.16							
Upper Bound								0.19							
ORIGINAL								0.11	1.05						
DUP								0.10	1.07						
Target Range - Lower Bound								0.09	1.02						
Upper Bound								0.12	1.10						
ORIGINAL		<0.01	<10	<10	36	<10	5050								
DUP		<0.01	<10	<10	36	<10	5060								
Target Range - Lower Bound		<0.01	<10	<10	33	<10	4800								
Upper Bound		0.02	20	20	39	20	5310								
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 7-JUN-2018
Account: RRR

Project: Mine Site Lab Pulps 2017 Backl

QC CERTIFICATE OF ANALYSIS TB18114668

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.

Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method: LOG-23 LOG-QC WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Au-AA23 C-IR07 ME-ICP41 OA-ELE07
OA-VOL08 S-IR08

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

QC CERTIFICATE TB18165552

Project: Mine Site Lab Pulps June 2018

P.O. No.: 4500009909

This report is for 153 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34			3.4	2.31	97	<10	110	<0.5	2	1.31	0.9	38	173	5560	4.19	10
CDN-CM-34			3.6	2.39	101	<10	100	<0.5	3	1.35	1.0	39	179	5690	4.38	10
Target Range - Lower Bound			3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10
Upper Bound			4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80	30
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10		7.11														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		<1	1.14	10	2.40	290	263	0.10	216	1100	19	2.91	6	9	98	<20
CDN-CM-34		<1	1.20	10	2.47	299	268	0.10	225	1150	22	3.03	5	9	103	<20
Target Range - Lower Bound		<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Buffer pH6											6.0				
Target Range - Lower Bound											5.3				
Upper Bound											6.7				
CDN-CM-34		0.17	<10	<10	100	10	160								
CDN-CM-34		0.17	<10	<10	104	10	166								
Target Range - Lower Bound		0.15	<10	<10	95	<10	159								
Upper Bound		0.21	20	20	118	30	199								
DS-1								3.05	2.69						
DS-1								3.04	2.56						
DS-1								3.21	2.65						
DS-1								3.11	2.52						
DS-1									2.70						
Target Range - Lower Bound									2.51						
Upper Bound									2.71						
G913-10															
Target Range - Lower Bound															
Upper Bound															
GS310-10								1.09							
Target Range - Lower Bound								1.03							
Upper Bound								1.13							
GS310-10								1.08	0.27						
GS310-10								1.08	0.28						
GS310-10									0.26						
GS310-10								1.05	0.25						
GS310-10									0.26						
Target Range - Lower Bound									0.25						
Upper Bound									0.29						

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.980														
JK-17		1.970														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16		0.506														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08			4.7	2.74	33	<10	460	0.8	2	1.14	2.1	20	95	655	3.72	10
MRGeo08			4.2	2.50	30	<10	430	0.7	3	1.01	2.1	18	86	601	3.50	10
MRGeo08			4.2	2.54	30	<10	410	0.7	4	1.05	2.0	17	84	595	3.43	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		<1	1.32	40	1.20	433	14	0.34	733	1050	1110	0.32	3	7	84	20
MRGeo08		<1	1.26	30	1.09	393	13	0.30	677	990	1035	0.29	3	7	75	20
MRGeo08		<1	1.23	30	1.07	388	13	0.34	652	940	1020	0.28	<2	7	81	20
Target Range - Lower Bound		<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS															
GS313-8								0.93	1.26						
GS313-8								0.92	1.23						
GS313-8								0.97	1.25						
Target Range - Lower Bound								0.90	1.19						
Upper Bound								0.98	1.29						
JK-17															
JK-17															
Target Range - Lower Bound															
Upper Bound															
KZK-1										60		35	25.0	2.40	2
KZK-1										62		37	25.0	2.48	2
KZK-1										60		35	25.0	2.40	2
KZK-1										61		36	25.0	2.44	2
Target Range - Lower Bound										54		30	22.9	2.18	
Upper Bound										64		38	27.1	2.54	
LEA-16															
Target Range - Lower Bound															
Upper Bound															
MA-1b								2.45							
Target Range - Lower Bound								2.34							
Upper Bound								2.54							
MA-1b								2.44	1.19						
MA-1b								2.40	1.20						
Target Range - Lower Bound								2.34	1.12						
Upper Bound								2.54	1.22						
MP-1b									14.05						
Target Range - Lower Bound									13.30						
Upper Bound									14.30						
MRGeo08		0.40	<10	<10	106	<10	797								
MRGeo08		0.36	<10	<10	96	<10	734								
MRGeo08		0.35	<10	<10	93	<10	733								
Target Range - Lower Bound		0.33	<10	<10	90	<10	708								
Upper Bound		0.43	20	30	112	20	870								

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Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
STANDARDS																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08			18.8	2.06	108	<10	60	0.6	10	0.85	17.7	91	78	7980	4.89	10
OGGeo08			19.7	2.19	113	<10	60	0.6	12	0.88	18.5	94	81	8310	5.15	<10
Target Range - Lower Bound			18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51	<10
Upper Bound			22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53	30
OREAS 503c		0.689														
OREAS 503c		0.698														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602			>100	0.67	691	<10	20	<0.5	63	0.56	26.1	10	34	5440	2.08	<10
OREAS 602			>100	0.61	664	<10	30	<0.5	61	0.52	24.7	10	32	5100	1.99	<10
OREAS 602			>100	0.67	658	<10	30	<0.5	60	0.53	24.5	9	29	5260	2.03	10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
BLANKS																
BLANK		<0.005														
BLANK		0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		<1	0.99	30	0.90	371	841	0.27	8420	760	6760	2.62	21	5	60	20
OGGeo08		1	1.06	30	0.94	384	876	0.29	8870	800	7080	2.76	21	6	64	20
Target Range - Lower Bound		<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59	<20
Upper Bound		3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74	60
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		1	0.09	10	0.11	219	4	0.02	64	240	865	2.08	61	1	49	<20
OREAS 602		1	0.09	10	0.10	208	4	0.02	61	230	833	1.98	65	1	48	<20
OREAS 602		1	0.10	10	0.10	211	4	0.02	59	230	847	1.98	66	1	51	<20
Target Range - Lower Bound		<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44	<20
Upper Bound		3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56	40
BLANKS																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40

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5967 HWY 11/71
EMO ON P0W 1E0

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
NBM-1										51		42	8.8	5.83	2
NBM-1										50		41	8.8	5.71	2
NBM-1										50		41	8.8	5.71	2
NBM-1										49		40	8.8	5.60	2
Target Range - Lower Bound										45		37	7.8	5.26	
Upper Bound										54		47	9.7	6.08	
OGGeo08		0.29	<10	<10	76	<10	6500								
OGGeo08		0.31	<10	<10	79	<10	6780								
Target Range - Lower Bound		0.27	<10	<10	70	<10	6500								
Upper Bound		0.36	20	30	88	20	7950								
OREAS 503c															
OREAS 503c															
Target Range - Lower Bound															
Upper Bound															
OREAS 602		0.01	<10	<10	11	<10	4130								
OREAS 602		0.01	<10	<10	10	<10	3950								
OREAS 602		0.01	<10	<10	10	<10	4060								
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680								
Upper Bound		0.03	20	20	14	20	4500								
BLANKS															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK								<0.01							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.018														
DUP		0.023														
Target Range - Lower Bound		0.014														
Upper Bound		0.027														

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		BLANKS														
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
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BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
BLANKS															
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
Target Range - Lower Bound											5.5				
Upper Bound											6.9				
BLANK								<0.01	0.01						
BLANK								<0.01	0.01						
BLANK								<0.01	0.01						
BLANK								<0.01	0.01						
BLANK								<0.01	0.01						
BLANK									<0.01						
BLANK								<0.01	<0.01						
BLANK									0.01						
Target Range - Lower Bound									<0.01						
Upper Bound									0.02						
DUPLICATES															
ORIGINAL									0.88						
DUP									0.87						
Target Range - Lower Bound									0.84						
Upper Bound									0.91						
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1125021011																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125021156																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126027217			1.1	0.64	27	10	30	<0.5	<2	2.25	2.4	7	73	47	1.99	<10
DUP			1.3	0.64	26	<10	30	<0.5	<2	2.23	2.4	7	72	48	1.96	<10
Target Range - Lower Bound			0.9	0.60	23	<10	20	<0.5	<2	2.12	1.8	6	68	45	1.87	<10
Upper Bound			1.5	0.68	30	20	40	1.0	4	2.36	3.0	8	77	50	2.08	20
1126030119		0.149														
DUP		0.146														
Target Range - Lower Bound		0.135														
Upper Bound		0.160														
1126029083																
DUP																
Target Range - Lower Bound																
Upper Bound																
1232001010																
DUP																
Target Range - Lower Bound																
Upper Bound																
1232001040																
DUP																
Target Range - Lower Bound																
Upper Bound																
1232001152		0.206														
DUP		0.197														
Target Range - Lower Bound		0.186														
Upper Bound		0.217														

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1125021011	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125021156	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126027217		<1	0.14	10	0.71	472	1	0.04	9	350	45	2.10	<2	1	59	<20
	DUP	<1	0.14	10	0.71	470	1	0.04	9	350	45	2.07	<2	1	59	<20
	Target Range - Lower Bound	<1	0.12	<10	0.66	442	<1	0.03	8	320	41	1.97	<2	<1	55	<20
	Upper Bound	2	0.16	20	0.76	500	2	0.05	10	380	49	2.20	4	2	63	40
1126030119	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126029083	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1232001010	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1232001040	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1232001152	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1125021011								0.59	0.31						
DUP								0.60	0.32						
Target Range - Lower Bound								0.57	0.30						
Upper Bound								0.62	0.33						
1125021156										54	9.5	42	11.9	4.55	2
DUP										54	9.5	42	11.9	4.55	2
Target Range - Lower Bound										50	8.9	39	11.0	4.31	<1
Upper Bound										58	10.1	45	12.8	4.79	3
1126027217		<0.01	<10	<10	3	<10	607								
DUP		<0.01	<10	<10	3	<10	602								
Target Range - Lower Bound		<0.01	<10	<10	2	<10	572								
Upper Bound		0.02	20	20	4	20	637								
1126030119															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126029083								0.61	1.71						
DUP								0.61	1.77						
Target Range - Lower Bound								0.58	1.69						
Upper Bound								0.64	1.79						
1232001010											8.9				
DUP											8.9				
Target Range - Lower Bound											8.4				
Upper Bound											9.4				
1232001040										54		28	26.3	2.06	2
DUP										55		29	26.3	2.10	2
Target Range - Lower Bound										51		26	24.7	1.97	<1
Upper Bound										58		31	27.9	2.19	3
1232001152															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
1126031265			2.7	1.07	126	<10	170	<0.5	<2	1.45	17.0	10	159	76	2.52	<10
DUP			1.7	1.04	116	<10	160	<0.5	3	1.39	16.4	10	153	74	2.41	<10
Target Range - Lower Bound			1.9	0.99	113	<10	140	<0.5	<2	1.34	15.4	9	147	71	2.33	<10
Upper Bound			2.5	1.12	129	20	190	1.0	4	1.50	18.0	12	165	79	2.60	20
1126029118		0.353														
DUP		0.351														
Target Range - Lower Bound		0.329														
Upper Bound		0.375														
1125003026																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126026210																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125007033																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126026241			1.4	0.38	60	<10	20	<0.5	<2	1.92	3.5	5	93	34	1.67	<10
DUP			0.9	0.39	63	<10	30	<0.5	<2	1.99	3.7	5	97	36	1.73	<10
Target Range - Lower Bound			0.9	0.36	56	<10	<10	<0.5	<2	1.85	2.9	4	89	33	1.61	<10
Upper Bound			1.4	0.41	67	20	40	1.0	4	2.06	4.3	6	101	37	1.80	20
1126028015		0.174														
DUP		0.171														
Target Range - Lower Bound		0.159														
Upper Bound		0.186														
1126026165																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
1126031265		<1	0.76	10	0.81	862	1	<0.01	16	960	146	1.98	<2	3	138	<20
DUP		<1	0.75	10	0.77	840	1	<0.01	15	920	140	1.90	<2	3	132	<20
Target Range -	Lower Bound	<1	0.71	<10	0.74	803	<1	<0.01	14	880	134	1.83	<2	2	127	<20
	Upper Bound	2	0.80	20	0.84	899	2	0.02	17	1000	152	2.05	4	4	143	40
1126029118																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125003026																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126026210																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125007033																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126026241		<1	0.21	10	0.75	1645	<1	<0.01	6	400	171	1.37	<2	<1	36	<20
DUP		<1	0.22	10	0.77	1715	<1	<0.01	7	410	174	1.44	<2	<1	37	<20
Target Range -	Lower Bound	<1	0.19	<10	0.71	1590	<1	<0.01	5	370	162	1.32	<2	<1	34	<20
	Upper Bound	2	0.24	20	0.81	1770	2	0.02	8	440	183	1.49	4	2	39	40
1126028015																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126026165																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1126031265		0.06	<10	<10	19	<10	3990								
DUP		0.06	<10	<10	18	<10	3900								
Target Range - Lower Bound		0.05	<10	<10	17	<10	3750								
Upper Bound		0.07	20	20	20	20	4140								
1126029118															
DUP															
Target Range - Lower Bound															
Upper Bound															
1125003026								0.33	0.28						
DUP								0.33	0.28						
Target Range - Lower Bound								0.31	0.26						
Upper Bound								0.35	0.30						
1126026210											8.9				
DUP											8.9				
Target Range - Lower Bound											8.4				
Upper Bound											9.4				
1125007033										71		68	3.1	22.72	2
DUP										71		68	3.1	22.72	2
Target Range - Lower Bound										66		64	2.6	21.57	<1
Upper Bound										76		72	3.6	23.87	3
1126026241		<0.01	<10	<10	2	<10	920								
DUP		<0.01	<10	<10	2	<10	947								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	885								
Upper Bound		0.02	20	20	3	20	982								
1126028015															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126026165									2.05						
DUP									2.07						
Target Range - Lower Bound									2.00						
Upper Bound									2.12						

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Finalized Date: 3-AUG-2018
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Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1126026273																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125003016																
DUP																
Target Range - Lower Bound																
Upper Bound																
1127040017			1.3	0.65	360	<10	20	<0.5	<2	0.42	11.7	6	157	129	2.28	<10
DUP			1.5	0.69	386	<10	20	<0.5	2	0.44	11.8	6	159	120	2.30	<10
Target Range - Lower Bound			1.1	0.63	352	<10	<10	<0.5	<2	0.40	10.7	5	149	119	2.17	<10
Upper Bound			1.7	0.71	394	20	30	1.0	4	0.46	12.8	7	167	130	2.41	20
1125005046		0.121														
DUP		0.115														
Target Range - Lower Bound		0.107														
Upper Bound		0.129														
1126026133		0.205														
DUP		0.217														
Target Range - Lower Bound		0.195														
Upper Bound		0.227														
1126026106																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1126026273	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125003016	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1127040017		<1	0.21	10	0.40	477	1	<0.01	8	490	194	2.21	4	<1	10	<20
	DUP	<1	0.22	10	0.41	493	1	<0.01	8	510	203	2.23	3	<1	10	<20
	Target Range - Lower Bound	<1	0.19	<10	0.37	456	<1	<0.01	7	470	187	2.10	<2	<1	9	<20
	Upper Bound	2	0.24	20	0.44	514	2	0.02	9	540	210	2.34	4	2	12	40
1125005046	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126026133	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126026106	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1126026273								0.37	0.97						
DUP								0.37	0.98						
Target Range - Lower Bound								0.35	0.94						
Upper Bound								0.39	1.00						
1125003016											9.6				
DUP											9.6				
Target Range - Lower Bound											9.0				
Upper Bound											10.2				
1127040017		<0.01	<10	<10	3	<10	2760			13		-48	61.3	0.21	1
DUP		<0.01	<10	<10	3	<10	2770			14		-47	61.3	0.23	1
Target Range - Lower Bound		<0.01	<10	<10	2	<10	2620			12		-51	57.9	0.20	<1
Upper Bound		0.02	20	20	4	20	2910			15		-44	64.7	0.24	2
1125005046															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126026133															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126026106											8.9				
DUP											8.9				
Target Range - Lower Bound											8.4				
Upper Bound											9.4				
ORIGINAL								0.30							
DUP								0.30							
Target Range - Lower Bound								0.28							
Upper Bound								0.32							
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL			0.9	2.26	5	<10	90	0.6	2	1.62	<0.5	14	1	567	6.38	10
DUP			1.0	2.35	6	<10	80	0.6	2	1.67	<0.5	13	2	600	6.58	10
Target Range - Lower Bound			0.7	2.18	3	<10	70	<0.5	<2	1.55	<0.5	12	<1	562	6.15	<10
Upper Bound			1.2	2.43	8	20	100	1.0	4	1.74	1.0	15	2	605	6.81	20
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL		<1	0.34	10	1.12	3690	1	0.03	1	1090	10	1.74	<2	2	99	<20
DUP		<1	0.36	10	1.16	3780	1	0.03	1	1140	8	1.80	<2	3	102	<20
Target Range -	Lower Bound	<1	0.32	<10	1.07	3540	<1	0.02	<1	1050	7	1.67	<2	<1	94	<20
	Upper Bound	2	0.38	20	1.21	3930	2	0.04	2	1180	11	1.87	4	4	107	40
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
DUPLICATES															
ORIGINAL		<0.01	<10	<10	44	<10	159								
DUP		<0.01	<10	<10	46	<10	164								
Target Range - Lower Bound		<0.01	<10	<10	42	<10	151								
Upper Bound		0.02	20	20	48	20	172								
ORIGINAL								3.99	0.39						
DUP								3.99	0.40						
Target Range - Lower Bound								3.88	0.38						
Upper Bound								4.10	0.41						

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 3-AUG-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18165552

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	C-IR07	ME-ICP41	OA-ELE07
	OA-VOL08	S-IR08		

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

QC CERTIFICATE TB18165553

Project: Mine Site Lab Pulps May 2018

P.O. No.: 4500009909

This report is for 160 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34			3.6	2.40	107	<10	110	<0.5	3	1.44	1.0	42	181	5850	4.51	10
CDN-CM-34			3.6	2.40	107	<10	110	<0.5	3	1.44	1.0	41	180	5850	4.51	10
Target Range - Lower Bound			3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10
Upper Bound			4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80	30
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10		7.13														
G913-10		7.06														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														

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Project: Mine Site Lab Pulps May 2018

QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		<1	1.22	10	2.61	304	272	0.11	228	1190	21	3.08	5	9	104	<20
CDN-CM-34		<1	1.23	10	2.60	303	272	0.11	229	1200	22	3.13	3	9	104	<20
Target Range - Lower Bound		<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS															
Buffer pH6											6.0				
Buffer pH6											6.1				
Buffer pH6											6.0				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.1				
Buffer pH6											6.0				
Target Range - Lower Bound											5.3				
Upper Bound											6.7				
CDN-CM-34		0.18	<10	<10	105	10	176								
CDN-CM-34		0.18	<10	<10	105	10	175								
Target Range - Lower Bound		0.15	<10	<10	95	<10	159								
Upper Bound		0.21	20	20	118	30	199								
DS-1								3.11							
DS-1								3.08							
DS-1								3.22							
Target Range - Lower Bound								3.01							
Upper Bound								3.25							
DS-1								3.12	2.67						
DS-1									2.65						
DS-1									2.64						
DS-1									2.72						
DS-1									2.62						
Target Range - Lower Bound									2.51						
Upper Bound									2.71						
G913-10															
G913-10															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		STANDARDS														
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.945														
JK-17		1.985														
JK-17		1.950														
JK-17		1.955														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
STANDARDS																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
GS310-10								1.07							
GS310-10								1.09							
Target Range - Lower Bound								1.03							
Upper Bound								1.13							
GS310-10								1.10	0.26						
GS310-10								1.10	0.27						
GS310-10									0.26						
GS310-10									0.29						
Target Range - Lower Bound									0.25						
Upper Bound									0.29						
GS313-8								0.92							
GS313-8								0.93							
GS313-8								0.94							
Target Range - Lower Bound								0.90							
Upper Bound								0.98							
GS313-8								0.94	1.24						
GS313-8									1.30						
GS313-8									1.28						
GS313-8									1.25						
Target Range - Lower Bound									1.19						
Upper Bound									1.29						
JK-17															
JK-17															
JK-17															
JK-17															
Target Range - Lower Bound															
Upper Bound															
KZK-1										60		35	25.0	2.40	2
KZK-1										59		34	25.0	2.36	2
KZK-1										60		35	25.0	2.40	2
KZK-1										63		38	25.0	2.52	2
KZK-1										60		35	25.0	2.40	2
Target Range - Lower Bound										54		30	22.9	2.18	
Upper Bound										64		38	27.1	2.54	

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
STANDARDS																
LEA-16		0.517														
LEA-16		0.510														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08			4.6	2.75	35	<10	460	0.8	<2	1.20	2.1	20	96	653	3.88	10
MRGeo08			4.4	2.65	34	<10	450	0.7	2	1.14	2.2	19	91	621	3.73	10
MRGeo08			4.5	2.67	34	10	450	0.7	<2	1.13	2.1	19	93	630	3.69	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08			19.8	2.18	119	10	70	0.7	9	0.94	18.6	97	82	8590	5.23	10
OGGeo08			19.1	2.11	116	10	70	0.6	8	0.90	17.7	94	78	8220	5.03	10
Target Range - Lower Bound			18.0	2.05	105	<10	60	<0.5	6	0.82	16.2	86	75	7800	4.51	<10
Upper Bound			22.4	2.53	133	30	110	1.8	15	1.02	21.0	108	93	8980	5.53	30
OREAS 503c		0.708														
OREAS 503c		0.704														
OREAS 503c		0.687														
OREAS 503c		0.696														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602			>100	0.64	664	<10	30	<0.5	58	0.55	24.6	10	36	5170	2.07	10
OREAS 602			>100	0.59	667	<10	30	<0.5	60	0.55	24.7	9	35	5150	2.04	<10

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STANDARDS																
LEA-16																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		<1	1.34	30	1.23	438	14	0.36	742	1070	1120	0.32	5	7	86	20
MRGeo08		<1	1.29	30	1.18	411	14	0.34	713	1050	1080	0.31	3	7	82	20
MRGeo08		<1	1.28	30	1.18	422	14	0.34	717	1030	1085	0.31	3	7	82	20
Target Range - Lower Bound		<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		1	1.08	30	0.98	394	891	0.29	8970	830	7210	2.81	21	6	64	20
OGGeo08		<1	1.05	30	0.93	375	852	0.29	8640	800	6940	2.71	19	6	62	<20
Target Range - Lower Bound		<1	0.94	<10	0.84	350	810	0.26	7760	700	6510	2.51	15	4	59	<20
Upper Bound		3	1.18	50	1.05	438	992	0.34	9480	880	7970	3.09	27	9	74	60
OREAS 503c																
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		1	0.09	10	0.10	212	4	0.03	62	230	830	2.01	67	1	50	<20
OREAS 602		1	0.09	10	0.10	210	4	0.02	62	240	839	2.02	66	1	45	<20

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							STANDARDS								
LEA-16															
LEA-16															
Target Range - Lower Bound															
Upper Bound															
MA-1b								2.48							
MA-1b								2.44							
Target Range - Lower Bound								2.34							
Upper Bound								2.54							
MA-1b								2.47	1.23						
MA-1b								2.44	1.18						
MA-1b									1.18						
Target Range - Lower Bound									1.12						
Upper Bound									1.22						
MRGeo08		0.40	<10	<10	106	<10	814								
MRGeo08		0.38	<10	<10	102	<10	777								
MRGeo08		0.38	<10	<10	104	<10	789								
Target Range - Lower Bound		0.33	<10	<10	90	<10	708								
Upper Bound		0.43	20	30	112	20	870								
NBM-1										51		42	8.8	5.83	2
NBM-1										51		42	8.8	5.83	2
NBM-1										50		41	8.8	5.71	2
NBM-1										53		44	8.8	6.06	2
NBM-1										51		42	8.8	5.83	2
Target Range - Lower Bound										45		37	7.8	5.26	
Upper Bound										54		47	9.7	6.08	
OGGeo08		0.31	<10	<10	80	10	6990								
OGGeo08		0.30	<10	<10	77	10	6670								
Target Range - Lower Bound		0.27	<10	<10	70	<10	6500								
Upper Bound		0.36	20	30	88	20	7950								
OREAS 503c															
OREAS 503c															
OREAS 503c															
OREAS 503c															
Target Range - Lower Bound															
Upper Bound															
OREAS 602		0.01	<10	<10	10	<10	3980								
OREAS 602		0.01	<10	<10	10	<10	3940								

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Sample Description	Method	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
STANDARDS																
OREAS 602			>100	0.62	679	<10	30	<0.5	60	0.54	25.3	10	33	5180	2.04	<10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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STANDARDS																
OREAS 602		1	0.09	10	0.10	213	4	0.02	61	240	845	2.03	68	1	48	<20
Target Range - Lower Bound		<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44	<20
Upper Bound		3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56	40
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS															
OREAS 602		0.01	<10	<10	10	10	3980								
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680								
Upper Bound		0.03	20	20	14	20	4500								
BLANKS															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK								<0.01							
BLANK								<0.01							
BLANK								0.01							
BLANK								<0.01							
BLANK								<0.01							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
BLANK		<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2								
Upper Bound		0.02	20	20	2	20	4								
BLANK											6.1				
BLANK											6.0				
BLANK											6.0				
BLANK											6.0				
BLANK											6.1				
Target Range - Lower Bound											5.5				
Upper Bound											6.9				

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL		0.007														
DUP		0.007														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.011														
DUP		0.009														
Target Range - Lower Bound		<0.005														
Upper Bound		0.016														
ORIGINAL		0.023														
DUP		0.020														
Target Range - Lower Bound		0.015														
Upper Bound		0.028														
ORIGINAL		0.068														
DUP		0.069														
Target Range - Lower Bound		0.060														
Upper Bound		0.077														
ORIGINAL		0.478														
DUP		0.465														
Target Range - Lower Bound		0.443														
Upper Bound		0.500														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		BLANKS														
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
BLANKS															
BLANK								<0.01	0.01						
BLANK								<0.01	<0.01						
BLANK								<0.01	0.01						
BLANK									0.01						
BLANK									<0.01						
BLANK									0.01						
BLANK									<0.01						
BLANK									0.01						
Target Range - Lower Bound									<0.01						
Upper Bound									0.02						
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES																
ORIGINAL		0.041														
DUP		0.040														
Target Range - Lower Bound		0.033														
Upper Bound		0.048														
ORIGINAL			0.7	2.04	2	10	100	<0.5	<2	1.74	0.9	3	8	381	2.03	10
DUP			0.8	2.03	2	10	100	<0.5	<2	1.75	0.9	3	8	373	2.02	10
Target Range - Lower Bound			0.5	1.92	<2	<10	80	<0.5	<2	1.65	<0.5	2	7	363	1.91	<10
Upper Bound			1.0	2.15	4	20	120	1.0	4	1.84	1.0	4	9	391	2.14	20
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126020040																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125005004																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126020164																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126022104		0.031														
DUP		0.030														
Target Range - Lower Bound		0.024														
Upper Bound		0.037														
1126022145			<0.2	1.10	4	<10	160	<0.5	<2	2.53	<0.5	9	170	52	2.26	<10
DUP			0.2	1.08	3	<10	150	<0.5	<2	2.45	<0.5	9	168	52	2.22	<10
Target Range - Lower Bound			<0.2	1.03	<2	<10	130	<0.5	<2	2.36	<0.5	8	160	49	2.12	<10
Upper Bound			0.4	1.15	4	20	180	1.0	4	2.62	1.0	10	178	55	2.36	20

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<1	0.34	10	0.49	294	13	0.17	3	520	76	0.81	<2	1	163	<20
DUP		<1	0.34	10	0.49	293	12	0.17	3	520	73	0.80	<2	1	162	<20
Target Range - Lower Bound		<1	0.31	<10	0.46	274	11	0.15	2	480	69	0.75	<2	<1	153	<20
Upper Bound		2	0.37	20	0.52	313	14	0.19	4	560	80	0.86	4	2	172	40
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126020040																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125005004																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126020164																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126022104																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126022145		<1	0.28	20	0.94	470	1	0.05	12	740	2	0.21	<2	2	125	<20
DUP		<1	0.28	20	0.92	467	1	0.05	12	740	2	0.19	<2	2	122	<20
Target Range - Lower Bound		<1	0.26	<10	0.87	440	<1	0.04	10	690	<2	0.18	<2	<1	116	<20
Upper Bound		2	0.30	30	0.99	497	2	0.06	14	790	4	0.22	4	3	131	40

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL		0.05	<10	<10	6	<10	196								
DUP		0.05	<10	<10	6	<10	198								
Target Range - Lower Bound		0.04	<10	<10	5	<10	185								
Upper Bound		0.06	20	20	7	20	209								
ORIGINAL								0.15							
DUP								0.16							
Target Range - Lower Bound								0.14							
Upper Bound								0.17							
1126020040											9.0				
DUP											8.9				
Target Range - Lower Bound											8.4				
Upper Bound											9.5				
1125005004										25		-7	32.2	0.78	2
DUP										27		-5	32.2	0.84	2
Target Range - Lower Bound										24		-7	30.3	0.76	<1
Upper Bound										28		-5	34.1	0.86	3
1126020164								0.30	2.08						
DUP								0.30	2.03						
Target Range - Lower Bound								0.28	1.99						
Upper Bound								0.32	2.12						
1126022104															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126022145		0.03	<10	<10	24	<10	47								
DUP		0.03	<10	<10	24	<10	46								
Target Range - Lower Bound		0.02	<10	<10	22	<10	42								
Upper Bound		0.04	20	20	26	20	51								

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1229002086		0.215														
DUP		0.208														
Target Range - Lower Bound		0.196														
Upper Bound		0.227														
1229002060																
DUP																
Target Range - Lower Bound																
Upper Bound																
1229002144																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126022016		0.036														
DUP		0.028														
Target Range - Lower Bound		0.025														
Upper Bound		0.039														
1229003609																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126022036			<0.2	0.95	7	<10	40	<0.5	<2	1.71	<0.5	8	169	36	2.01	<10
DUP			0.2	0.96	6	<10	40	<0.5	<2	1.72	<0.5	8	179	35	2.02	<10
Target Range - Lower Bound			<0.2	0.90	4	<10	30	<0.5	<2	1.62	<0.5	7	164	33	1.90	<10
Upper Bound			0.4	1.01	9	20	50	1.0	4	1.81	1.0	9	184	38	2.13	20
1126025200																
DUP																
Target Range - Lower Bound																
Upper Bound																
1126025117																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1229002086	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1229002060	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1229002144	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126022016	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1229003609	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126022036		<1	0.14	10	0.55	311	1	0.04	9	370	<2	0.40	<2	1	25	<20
	DUP	<1	0.15	10	0.55	309	1	0.04	10	380	2	0.40	<2	1	25	<20
	Target Range - Lower Bound	<1	0.13	<10	0.51	290	<1	0.03	8	350	<2	0.37	<2	<1	23	<20
	Upper Bound	2	0.16	20	0.59	331	2	0.05	11	400	4	0.43	4	2	27	40
1126025200	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126025117	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1229002086															
DUP															
Target Range - Lower Bound															
Upper Bound															
1229002060										3		-78	80.9	0.04	1
DUP										3		-78	80.9	0.04	1
Target Range - Lower Bound										2		-83	76.6	0.03	<1
Upper Bound										4		-73	85.2	0.05	2
1229002144								0.22	2.16						
DUP								0.22	2.13						
Target Range - Lower Bound								0.20	2.15						
Upper Bound								0.24	2.28						
1126022016															
DUP															
Target Range - Lower Bound															
Upper Bound															
1229003609											8.9				
DUP											9.0				
Target Range - Lower Bound											8.4				
Upper Bound											9.5				
1126022036		0.01	<10	<10	14	<10	28								
DUP		0.01	<10	<10	14	<10	28								
Target Range - Lower Bound		<0.01	<10	<10	12	<10	25								
Upper Bound		0.02	20	20	16	20	31								
1126025200								0.34	0.94						
DUP								0.33	0.96						
Target Range - Lower Bound								0.32	0.92						
Upper Bound								0.35	0.98						
1126025117											9.1				
DUP											9.1				
Target Range - Lower Bound											8.5				
Upper Bound											9.7				

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 31-JUL-2018
Account: RRR

Project: Mine Site Lab Pulps May 2018

QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
1125006073	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126025121	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230005194	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230005142		0.299														
	DUP	0.319														
	Target Range - Lower Bound	0.289														
	Upper Bound	0.329														
1126018041			1.3	1.20	28	<10	30	<0.5	<2	2.20	0.9	8	121	43	1.85	<10
	DUP		1.2	1.14	27	<10	30	<0.5	<2	2.17	1.0	8	119	42	1.83	<10
	Target Range - Lower Bound		1.0	1.10	24	<10	20	<0.5	<2	2.07	<0.5	7	113	40	1.74	<10
	Upper Bound		1.5	1.24	31	20	40	1.0	4	2.30	1.0	9	127	45	1.94	20
1126014002		1.030														
	DUP	1.085														
	Target Range - Lower Bound	1.000														
	Upper Bound	1.115														
1126016046	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126016147	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
1125006073	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126025121	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230005194	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230005142	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126018041		<1	0.21	10	0.85	1020	1	0.04	11	420	131	1.73	<2	1	20	<20
	DUP	<1	0.20	10	0.80	996	<1	0.03	10	410	133	1.73	<2	1	20	<20
	Target Range - Lower Bound	<1	0.18	<10	0.77	953	<1	0.02	9	380	123	1.63	<2	<1	18	<20
	Upper Bound	2	0.23	20	0.88	1065	2	0.05	12	450	141	1.83	4	2	22	40
1126014002	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126016046	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126016147	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Project: Mine Site Lab Pulps May 2018

QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1125006073									1.00						
DUP									0.98						
Target Range - Lower Bound									0.96						
Upper Bound									1.02						
1126025121										71		52	19.4	3.66	2
DUP										71		52	19.4	3.66	2
Target Range - Lower Bound										66		48	18.1	3.47	<1
Upper Bound										76		56	20.7	3.85	3
1230005194								0.57	1.63						
DUP								0.58	1.64						
Target Range - Lower Bound								0.55	1.58						
Upper Bound								0.60	1.69						
1230005142															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126018041		<0.01	<10	<10	5	<10	276								
DUP		<0.01	<10	<10	5	<10	276								
Target Range - Lower Bound		<0.01	<10	<10	4	<10	260								
Upper Bound		0.02	20	20	6	20	292								
1126014002															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126016046										77		23	54.1	1.42	2
DUP										75		21	54.1	1.39	2
Target Range - Lower Bound										71		20	51.1	1.32	<1
Upper Bound										81		24	57.1	1.49	3
1126016147								0.24	2.36						
DUP								0.25	2.32						
Target Range - Lower Bound								0.23	2.27						
Upper Bound								0.26	2.41						

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Sample Description / Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
DUPLICATES															
1126018048	0.744	4.1	0.71	38	<10	40	<0.5	<2	2.68	1.8	8	164	33	2.04	<10
DUP	0.688	3.7	0.71	38	<10	40	<0.5	<2	2.62	1.8	7	162	32	2.00	<10
Target Range - Lower Bound	0.675	3.5	0.66	34	<10	30	<0.5	<2	2.51	1.2	6	154	30	1.91	<10
Upper Bound	0.757	4.3	0.76	42	20	50	1.0	4	2.79	2.4	9	172	35	2.13	20
1126019132															
DUP															
Target Range - Lower Bound															
Upper Bound															
1126024083															
DUP															
Target Range - Lower Bound															
Upper Bound															
V829080															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	0.131														
DUP	0.131														
Target Range - Lower Bound	0.119														
Upper Bound	0.143														
ORIGINAL	0.256														
DUP	0.199														
Target Range - Lower Bound	0.211														
Upper Bound	0.244														
ORIGINAL	0.190														
DUP	0.175														
Target Range - Lower Bound	0.168														
Upper Bound	0.197														

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
							DUPLICATES									
1126018048		<1	0.23	10	0.89	1750	1	0.02	9	410	198	2.02	3	1	23	<20
DUP		<1	0.23	10	0.87	1705	1	0.02	9	410	194	2.00	2	1	24	<20
Target Range -	Lower Bound	<1	0.21	<10	0.83	1635	<1	<0.01	8	380	184	1.90	<2	<1	21	<20
	Upper Bound	2	0.25	20	0.93	1820	2	0.03	10	440	208	2.12	4	2	26	40
1126019132																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1126024083																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
V829080																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES								
1126018048		<0.01	<10	<10	3	<10	492								
DUP		<0.01	<10	<10	3	<10	489								
Target Range - Lower Bound		<0.01	<10	<10	2	<10	464								
Upper Bound		0.02	20	20	4	20	517								
1126019132											9.0				
DUP											8.8				
Target Range - Lower Bound											8.4				
Upper Bound											9.4				
1126024083									1.87	14	8.6	-44	58.4	0.24	1
DUP									1.78	14	8.7	-42	55.6	0.25	1
Target Range - Lower Bound									1.77	12	8.1	-46	53.9	0.22	<1
Upper Bound									1.88	16	9.2	-40	60.2	0.27	2
V829080								0.35							
DUP								0.36							
Target Range - Lower Bound								0.34							
Upper Bound								0.37							
ORIGINAL								0.01							
DUP								0.02							
Target Range - Lower Bound								<0.01							
Upper Bound								0.02							
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
		DUPLICATES														
ORIGINAL		0.050														
DUP		0.050														
Target Range - Lower Bound		0.043														
Upper Bound		0.058														
ORIGINAL		0.018														
DUP		0.014														
Target Range - Lower Bound		0.010														
Upper Bound		0.022														
ORIGINAL		0.020														
DUP		0.020														
Target Range - Lower Bound		0.014														
Upper Bound		0.026														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18165553

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES													
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18165553

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method: LOG-23 LOG-QC WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: Au-AA23 C-IR07 ME-ICP41 OA-ELE07 OA-VOL08 S-IR08

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

QC CERTIFICATE TB18214709

Project: Mine Site Lab Pulps June 2018

P.O. No.: 4500009909

This report is for 207 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 30-AUG-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34				3.5	2.42	103	<10	70	<0.5	4	1.33	0.9	41	182	5910	4.37
CDN-CM-34				3.6	2.52	102	<10	100	<0.5	3	1.32	1.0	41	182	5660	4.33
CDN-CM-34				3.7	2.42	104	<10	100	<0.5	5	1.33	1.1	41	180	5730	4.33
CDN-CM-34				3.7	2.40	107	<10	90	<0.5	4	1.33	0.9	41	178	5820	4.36
Target Range - Lower Bound				3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91
Upper Bound				4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80
CDN-GS-P6A		0.750														
CDN-GS-P6A		0.744														
Target Range - Lower Bound		0.689														
Upper Bound		0.787														
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																

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Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		10	<1	1.18	10	2.55	311	281	0.12	233	1190	21	3.05	3	9	104
CDN-CM-34		10	1	1.18	10	2.53	300	275	0.10	228	1160	23	3.00	4	9	102
CDN-CM-34		10	<1	1.17	10	2.51	300	269	0.10	226	1140	21	3.02	5	9	102
CDN-CM-34		10	1	1.19	10	2.51	303	268	0.10	228	1160	24	3.04	5	9	102
Target Range - Lower Bound		<10	<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92
Upper Bound		30	2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115
CDN-GS-P6A																
CDN-GS-P6A																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.1				
Target Range - Lower Bound												5.3				
Upper Bound												6.7				
CDN-CM-34		<20	0.18	<10	<10	106	10	176								
CDN-CM-34		<20	0.18	<10	<10	104	10	176								
CDN-CM-34		<20	0.18	<10	<10	103	10	175								
CDN-CM-34		<20	0.18	<10	<10	103	10	175								
Target Range - Lower Bound		<20	0.15	<10	<10	95	<10	159								
Upper Bound		40	0.21	20	20	118	30	199								
CDN-GS-P6A																
CDN-GS-P6A																
Target Range - Lower Bound																
Upper Bound																
DS-1									3.15							
Target Range - Lower Bound									3.01							
Upper Bound									3.25							
DS-1									3.07	2.63						
DS-1									3.16	2.52						
DS-1									3.17	2.67						
DS-1										2.63						
DS-1										2.68						
Target Range - Lower Bound										2.51						
Upper Bound										2.71						

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
EMOG-17				68.3	1.59	597	<10	40	<0.5	8	0.97	20.0	768	47	8670	4.67
EMOG-17				65.1	1.56	567	<10	40	<0.5	6	0.94	19.3	736	46	8080	4.48
EMOG-17				64.5	1.52	565	<10	50	<0.5	5	0.91	19.3	734	45	8120	4.46
EMOG-17				66.8	1.59	584	<10	40	<0.5	8	0.94	19.6	757	46	8360	4.65
Target Range - Lower Bound				59.3	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18
Upper Bound				72.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14
G913-10		7.09														
G913-10		7.23														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
G913-10			7.18													
Target Range - Lower Bound			6.61													
Upper Bound			7.57													
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.990														
JK-17		1.995														
JK-17		1.970														
JK-17		1.975														
JK-17		1.955														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
EMOG-17		10	2	0.66	20	0.79	648	1095	0.16	7810	790	7400	3.23	694	5	55
EMOG-17		10	1	0.64	20	0.76	622	1055	0.16	7520	740	7040	3.06	709	5	54
EMOG-17		<10	1	0.63	20	0.75	616	1040	0.16	7490	730	7000	3.06	702	4	51
EMOG-17		10	1	0.66	20	0.77	637	1070	0.17	7760	780	7220	3.18	711	5	54
Target Range -	Lower Bound	<10	<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47
	Upper Bound	30	3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59
G913-10																
G913-10																
Target Range -	Lower Bound															
	Upper Bound															
G913-10																
Target Range -	Lower Bound															
	Upper Bound															
GS310-10																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range -	Lower Bound															
	Upper Bound															
GS313-8																
Target Range -	Lower Bound															
	Upper Bound															
GS313-8																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range -	Lower Bound															
	Upper Bound															
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range -	Lower Bound															
	Upper Bound															

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STANDARDS																
EMOG-17		<20	0.22	<10	<10	65	<10	7440								
EMOG-17		<20	0.21	<10	<10	63	<10	7080								
EMOG-17		<20	0.20	<10	<10	62	<10	7070								
EMOG-17		<20	0.21	<10	<10	63	<10	7250								
Target Range - Lower Bound		<20	0.18	<10	<10	58	<10	6780								
Upper Bound		50	0.25	20	20	74	20	8290								
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10									1.06	0.26						
GS310-10									1.12	0.26						
GS310-10									1.06	0.27						
GS310-10									1.04	0.28						
GS310-10										0.27						
Target Range - Lower Bound										0.25						
Upper Bound										0.29						
GS313-8									0.97							
Target Range - Lower Bound									0.90							
Upper Bound									0.98							
GS313-8									0.93	1.28						
GS313-8									0.97	1.24						
GS313-8									0.94	1.23						
GS313-8										1.24						
GS313-8										1.29						
Target Range - Lower Bound										1.19						
Upper Bound										1.29						
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				4.5	2.60	36	<10	440	0.7	2	1.06	2.0	19	90	612	3.57
MRGeo08				4.6	2.64	35	<10	440	0.7	<2	1.07	2.2	18	91	630	3.59
MRGeo08				4.4	2.61	35	<10	440	0.7	3	1.06	2.1	19	90	615	3.58
Target Range - Lower Bound				3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22
Upper Bound				5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 503c		0.678														
OREAS 503c		0.703														
OREAS 503c		0.707														
OREAS 503c		0.697														
OREAS 503c		0.682														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602				>100	0.64	681	<10	30	<0.5	59	0.53	25.5	10	34	5230	2.05

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STANDARDS																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		10	1	1.24	30	1.13	409	13	0.33	697	1010	1065	0.30	<2	7	79
MRGeo08		10	1	1.26	30	1.14	415	13	0.33	700	1000	1065	0.30	3	7	81
MRGeo08		10	1	1.23	30	1.13	407	14	0.33	698	1010	1065	0.29	2	7	81
Target Range - Lower Bound		<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71
Upper Bound		30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 503c																
OREAS 503c																
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<10	1	0.09	10	0.10	214	4	0.02	62	240	852	2.03	68	1	49

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STANDARDS																
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
KZK-1											59		34	25.0	2.36	2
KZK-1											59		34	25.0	2.36	2
Target Range - Lower Bound											54		30	22.9	2.18	
Upper Bound											64		38	27.1	2.54	
MA-1b									2.43	1.13						
MA-1b									2.50	1.22						
MA-1b									2.41	1.21						
MA-1b									2.37	1.19						
MA-1b										1.18						
Target Range - Lower Bound										1.12						
Upper Bound										1.22						
MP-1b										13.45						
Target Range - Lower Bound										13.30						
Upper Bound										14.30						
MRGeo08		20	0.38	<10	<10	99	<10	764								
MRGeo08		20	0.38	<10	<10	100	<10	771								
MRGeo08		20	0.38	<10	<10	99	<10	766								
Target Range - Lower Bound		<20	0.33	<10	<10	90	<10	708								
Upper Bound		60	0.43	20	30	112	20	870								
NBM-1											51		42	8.8	5.83	2
NBM-1											51		42	8.8	5.83	2
NBM-1											49		40	8.8	5.60	2
NBM-1											49		40	8.8	5.60	2
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
Target Range - Lower Bound											45		37	7.8	5.26	
Upper Bound											54		47	9.7	6.08	
OREAS 503c																
OREAS 503c																
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<20	0.01	<10	<10	10	<10	4050								

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
OREAS 602				>100	0.65	670	<10	30	<0.5	59	0.52	25.3	9	31	5170	2.04
OREAS 602				>100	0.61	668	<10	30	<0.5	60	0.51	25.4	10	30	5170	2.01
Target Range - Lower Bound				106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94
Upper Bound				100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Target Range - Lower Bound				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Upper Bound				0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
OREAS 602		<10	1	0.09	10	0.11	215	4	0.02	60	240	841	2.02	66	1	49
OREAS 602		<10	1	0.09	10	0.10	209	4	0.02	60	230	837	2.02	65	1	47
Target Range -	Lower Bound	<10	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44
	Upper Bound	30	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Target Range -	Lower Bound	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
	Upper Bound	20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
OREAS 602		<20	0.01	<10	<10	10	<10	4020								
OREAS 602		<20	0.01	<10	<10	10	<10	3980								
Target Range - Lower Bound		<20	<0.01	<10	<10	8	<10	3680								
Upper Bound		40	0.03	20	20	14	20	4500								
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK									<0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<20	<0.01	<10	<10	<1	<10	<2								
Upper Bound		40	0.02	20	20	2	20	4								

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		0.309														
DUP		0.324														
Target Range - Lower Bound		0.296														
Upper Bound		0.337														

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
BLANKS																
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
BLANK												5.9				
BLANK												5.9				
BLANK												6.0				
Target Range - Lower Bound												5.5				
Upper Bound												6.9				
BLANK									0.01	0.01						
BLANK									<0.01	<0.01						
BLANK									<0.01	0.01						
BLANK									<0.01	0.01						
BLANK									<0.01	<0.01						
BLANK									<0.01	0.01						
BLANK									<0.01	0.01						
BLANK										<0.01						
BLANK										0.01						
BLANK										<0.01						
Target Range - Lower Bound										<0.01						
Upper Bound										0.02						
DUPLICATES																
ORIGINAL									2.16	1.53						
DUP									2.18	1.52						
Target Range - Lower Bound									2.11	1.44						
Upper Bound									2.23	1.53						
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description / Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES															
ORIGINAL	<0.005														
DUP	0.008														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
ORIGINAL	<0.005														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
ORIGINAL		<0.05													
DUP		<0.05													
Target Range - Lower Bound		<0.05													
Upper Bound		0.10													
ORIGINAL		<0.05													
DUP		<0.05													
Target Range - Lower Bound		<0.05													
Upper Bound		0.10													
ORIGINAL	4.44														
DUP	4.39														
Target Range - Lower Bound	4.19														
Upper Bound	4.64														
ORIGINAL	0.076														
DUP	0.147														
Target Range - Lower Bound	0.101														
Upper Bound	0.122														
ORIGINAL	0.012														
DUP	0.013														
Target Range - Lower Bound	0.007														
Upper Bound	0.018														
1232001120	0.109														
DUP	0.248														
Target Range - Lower Bound	0.165														
Upper Bound	0.192														

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
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Target Range - Lower Bound																
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ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1232001120																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
1232001120																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
1232001068	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126033505	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125023147	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125019056				0.5	1.03	6	<10	40	<0.5	<2	1.55	<0.5	10	335	46	2.11
	DUP			0.6	1.04	6	<10	40	<0.5	<2	1.55	<0.5	10	340	47	2.14
	Target Range - Lower Bound			0.3	0.97	4	<10	30	<0.5	<2	1.46	<0.5	9	320	44	2.01
	Upper Bound			0.8	1.10	8	20	50	1.0	4	1.64	1.0	12	355	49	2.24
1125018335		0.521														
	DUP	0.512														
	Target Range - Lower Bound	0.486														
	Upper Bound	0.547														
1125017207	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125017007	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125018309	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1232001068	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1126033505	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125023147	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125019056		10	1	0.09	10	0.59	285	1	0.05	10	410	3	0.56	<2	1	29
	DUP	10	1	0.09	10	0.60	284	1	0.05	11	410	3	0.58	<2	1	29
	Target Range - Lower Bound	<10	<1	0.08	<10	0.56	265	<1	0.04	9	380	<2	0.53	<2	<1	27
	Upper Bound	20	2	0.10	20	0.63	304	2	0.06	12	440	4	0.61	4	2	31
1125018335	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125017207	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125017007	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125018309	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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								DUPLICATES								
1232001068											51		37	13.8	3.71	2
DUP											53		39	13.8	3.85	2
Target Range - Lower Bound											48		35	12.8	3.58	<1
Upper Bound											56		41	14.8	3.98	3
1126033505									0.33	2.16						
DUP									0.32	2.17						
Target Range - Lower Bound									0.31	2.10						
Upper Bound									0.34	2.23						
1125023147												8.4				
DUP												8.4				
Target Range - Lower Bound												7.9				
Upper Bound												8.9				
1125019056		<20	0.01	<10	<10	14	<10	34								
DUP		<20	0.01	<10	<10	14	<10	32								
Target Range - Lower Bound		<20	<0.01	<10	<10	12	<10	29								
Upper Bound		40	0.02	20	20	16	20	37								
1125018335																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125017207											86		34	52.5	1.64	2
DUP											86		34	52.5	1.64	2
Target Range - Lower Bound											81		31	49.6	1.55	<1
Upper Bound											91		37	55.4	1.73	3
1125017007												8.7				
DUP												8.7				
Target Range - Lower Bound												8.2				
Upper Bound												9.2				
1125018309									0.67	1.55						
DUP									0.68	1.54						
Target Range - Lower Bound									0.65	1.50						
Upper Bound									0.70	1.59						

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ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1125011091				1.5	0.91	104	<10	40	<0.5	2	1.56	1.5	13	129	66	2.61
DUP				1.2	0.92	106	<10	40	<0.5	<2	1.58	1.5	14	127	66	2.63
Target Range - Lower Bound				1.1	0.86	98	<10	30	<0.5	<2	1.48	0.9	12	121	63	2.48
Upper Bound				1.6	0.97	112	20	50	1.0	4	1.66	2.1	15	135	69	2.76
1125027072																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125015070																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125012054																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125016122		2.03														
DUP		2.10														
Target Range - Lower Bound		1.955														
Upper Bound		2.17														
1125015001				1.8	0.59	79	<10	40	<0.5	<2	3.06	2.5	7	266	31	2.14
DUP				1.5	0.57	74	<10	40	<0.5	<2	2.99	2.3	7	256	30	2.07
Target Range - Lower Bound				1.4	0.54	71	<10	30	<0.5	<2	2.86	1.8	6	247	28	1.99
Upper Bound				1.9	0.62	82	20	50	1.0	4	3.19	3.0	8	275	33	2.22
1125023107																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125009331																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1125011091		<10	<1	0.27	10	0.69	1205	<1	0.02	12	540	93	2.23	2	1	18
DUP		<10	1	0.27	10	0.70	1215	<1	0.02	13	550	96	2.24	<2	1	17
Target Range -	Lower Bound	<10	<1	0.25	<10	0.65	1145	<1	<0.01	11	510	88	2.11	<2	<1	16
	Upper Bound	20	2	0.29	20	0.74	1275	2	0.03	14	580	101	2.36	4	2	19
1125027072																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125015070																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125012054																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125016122																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125015001		<10	1	0.27	10	1.25	2840	1	0.01	11	390	320	1.65	<2	1	27
DUP		<10	1	0.26	10	1.21	2780	1	0.01	10	390	306	1.59	2	1	26
Target Range -	Lower Bound	<10	<1	0.24	<10	1.16	2660	<1	<0.01	9	360	295	1.53	<2	<1	24
	Upper Bound	20	2	0.29	20	1.30	2960	2	0.02	12	420	331	1.71	4	2	29
1125023107																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125009331																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES									
1125011091		<20	<0.01	<10	<10	5	<10	378								
DUP		<20	<0.01	<10	<10	5	<10	385								
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	360								
Upper Bound		40	0.02	20	20	6	20	403								
1125027072											65		15	50.3	1.29	2
DUP											65		15	50.3	1.29	2
Target Range - Lower Bound											61		13	47.5	1.22	<1
Upper Bound											69		17	53.1	1.36	3
1125015070									0.30	2.83						
DUP									0.31	2.85						
Target Range - Lower Bound									0.29	2.79						
Upper Bound									0.32	2.95						
1125012054												8.9				
DUP												8.9				
Target Range - Lower Bound												8.4				
Upper Bound												9.4				
1125016122																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125015001		<20	<0.01	<10	<10	4	<10	666								
DUP		<20	<0.01	<10	<10	4	<10	639								
Target Range - Lower Bound		<20	<0.01	<10	<10	3	<10	618								
Upper Bound		40	0.02	20	20	5	20	687								
1125023107											35	8.3	-30	65.0	0.54	2
DUP											35	8.3	-30	65.0	0.54	2
Target Range - Lower Bound											32	7.8	-33	61.5	0.50	<1
Upper Bound											38	8.8	-28	68.6	0.58	3
1125009331									1.13	1.80						
DUP									1.13	1.79						
Target Range - Lower Bound									1.09	1.74						
Upper Bound									1.17	1.85						

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EMO ON P0W 1E0

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1125020157				0.9	1.34	45	<10	40	<0.5	<2	1.89	<0.5	7	230	15	1.76
DUP				0.9	1.33	42	<10	40	<0.5	<2	1.85	<0.5	8	230	15	1.74
Target Range - Lower Bound				0.7	1.26	39	<10	30	<0.5	<2	1.77	<0.5	6	218	13	1.65
Upper Bound				1.1	1.41	48	20	50	1.0	4	1.97	1.0	9	243	17	1.85
1125024035		1.055														
DUP		1.225														
Target Range - Lower Bound		1.080														
Upper Bound		1.200														
1125015197																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125012041																
DUP																
Target Range - Lower Bound																
Upper Bound																
V829098				1.5	0.79	2	<10	40	<0.5	<2	0.42	<0.5	9	11	53	2.44
DUP				1.5	0.82	4	<10	40	<0.5	2	0.44	<0.5	10	11	53	2.49
Target Range - Lower Bound				1.2	0.75	<2	<10	30	<0.5	<2	0.40	<0.5	8	9	50	2.33
Upper Bound				1.8	0.86	4	20	50	1.0	4	0.46	1.0	11	13	56	2.60
1125009357																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125023208		0.157														
DUP		0.167														
Target Range - Lower Bound		0.149														
Upper Bound		0.175														
1125014014		0.093														
DUP		0.097														
Target Range - Lower Bound		0.085														
Upper Bound		0.105														

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5967 HWY 11/71
EMO ON P0W 1E0

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QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
							DUPLICATES									
1125020157		<10	<1	0.18	10	0.69	486	1	0.07	10	340	15	0.93	<2	1	40
DUP		<10	<1	0.18	10	0.69	475	1	0.07	9	340	14	0.91	<2	1	40
Target Range -	Lower Bound	<10	<1	0.16	<10	0.65	451	<1	0.06	8	310	12	0.86	<2	<1	37
	Upper Bound	20	2	0.20	20	0.73	510	2	0.08	11	370	17	0.98	4	2	43
1125024035																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125015197																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125012041																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
V829098		<10	1	0.20	10	0.35	241	3	0.13	11	510	24	0.04	<2	2	18
DUP		<10	1	0.20	10	0.36	246	4	0.14	12	520	24	0.04	<2	2	19
Target Range -	Lower Bound	<10	<1	0.18	<10	0.33	226	2	0.12	10	480	21	0.03	<2	<1	17
	Upper Bound	20	2	0.22	20	0.38	261	5	0.15	13	550	27	0.05	4	3	20
1125009357																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125023208																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1125014014																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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							DUPLICATES									
1125020157		<20	<0.01	<10	<10	6	<10	103								
DUP		<20	<0.01	<10	<10	6	<10	101								
Target Range - Lower Bound		<20	<0.01	<10	<10	5	<10	95								
Upper Bound		40	0.02	20	20	7	20	109								
1125024035																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125015197											14		-83	96.6	0.14	1
DUP											14		-83	96.6	0.14	1
Target Range - Lower Bound											12		-88	91.5	0.12	<1
Upper Bound											16		-78	101.7	0.16	2
1125012041									0.44	1.74						
DUP									0.45	1.80						
Target Range - Lower Bound									0.42	1.72						
Upper Bound									0.47	1.82						
V829098		<20	0.37	<10	<10	56	<10	58	0.02							
DUP		<20	0.38	<10	<10	58	<10	60	0.02							
Target Range - Lower Bound		<20	0.35	<10	<10	53	<10	54	<0.01							
Upper Bound		40	0.40	20	20	61	20	64	0.03							
1125009357												8.7				
DUP												8.7				
Target Range - Lower Bound												8.2				
Upper Bound												9.2				
1125023208																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125014014												8.3				
DUP												8.2				
Target Range - Lower Bound												7.7				
Upper Bound												8.8				

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
1125018256	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125024201	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		6.81														
DUP		6.77														
Target Range - Lower Bound		6.45														
Upper Bound		7.13														
ORIGINAL		0.069														
DUP		0.069														
Target Range - Lower Bound		0.061														
Upper Bound		0.077														
ORIGINAL		0.017														
DUP		0.058														
Target Range - Lower Bound		0.031														
Upper Bound		0.044														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL				0.4	0.21	53	<10	20	<0.5	<2	2.89	<0.5	7	6	2	2.62
DUP				0.4	0.22	53	<10	20	<0.5	<2	2.90	<0.5	7	6	2	2.67
Target Range - Lower Bound				<0.2	0.19	48	<10	<10	<0.5	<2	2.74	<0.5	6	5	<1	2.50
Upper Bound				0.6	0.24	58	20	30	1.0	4	3.05	1.0	8	7	3	2.79
ORIGINAL		0.005														
DUP		0.006														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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		DUPLICATES														
1125018256	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1125024201	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		<10	<1	0.17	<10	0.05	853	3	0.02	13	640	3	2.96	<2	1	162
DUP		<10	<1	0.18	<10	0.06	870	3	0.03	14	650	5	3.00	<2	1	170
Target Range - Lower Bound		<10	<1	0.16	<10	0.04	813	2	<0.01	12	600	<2	2.82	<2	<1	157
Upper Bound		20	2	0.19	20	0.07	910	4	0.04	15	690	6	3.14	4	2	175
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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								DUPLICATES								
1125018256											100		36	64.4	1.55	3
DUP											101		37	64.4	1.57	3
Target Range - Lower Bound											94		34	60.9	1.47	2
Upper Bound											107		39	67.9	1.65	>4
1125024201									0.25	1.73						
DUP									0.24	1.81						
Target Range - Lower Bound									0.23	1.74						
Upper Bound									0.26	1.84						
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<20	<0.01	<10	<10	6	<10	4								
DUP		<20	<0.01	<10	<10	7	<10	4								
Target Range - Lower Bound		<20	<0.01	<10	<10	5	<10	<2								
Upper Bound		40	0.02	20	20	8	20	6								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL		0.009														
DUP		0.007														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL				0.3	2.46	3	<10	730	<0.5	2	1.59	<0.5	6	2	680	7.07
DUP				0.3	2.47	5	<10	730	<0.5	<2	1.59	<0.5	6	2	678	7.05
Target Range - Lower Bound				<0.2	2.33	<2	<10	670	<0.5	<2	1.50	<0.5	5	<1	654	6.70
Upper Bound				0.4	2.60	6	20	790	1.0	4	1.68	1.0	7	3	704	7.42

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		10	1	0.40	10	1.24	3990	<1	0.01	2	1060	5	0.10	2	4	115
DUP		10	1	0.41	10	1.23	3980	<1	0.01	2	1040	3	0.10	<2	4	116
Target Range - Lower Bound		<10	<1	0.37	<10	1.16	3780	<1	<0.01	<1	990	<2	0.09	<2	3	109
Upper Bound		20	2	0.44	20	1.31	4190	2	0.02	3	1110	6	0.12	4	5	122

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5967 HWY 11/71
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Finalized Date: 28-SEP-2018
Account: RRR

Project: Mine Site Lab Pulps June 2018

QC CERTIFICATE OF ANALYSIS TB18214709

Sample Description	Method Analyte Units LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<20	0.02	<10	<10	75	<10	191								
DUP		<20	0.02	<10	<10	76	<10	188								
Target Range - Lower Bound		<20	<0.01	<10	<10	71	<10	178								
Upper Bound		40	0.03	20	20	80	20	201								

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QC CERTIFICATE OF ANALYSIS TB18214709

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

QC CERTIFICATE TB18235181

Project: Mine Site Lab Pulps Aug

P.O. No.: 4500009909

This report is for 148 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 20-SEP-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34				3.7	2.39	101	<10	110	<0.5	4	1.35	1.0	41	179	5680	4.36
CDN-CM-34				3.7	2.46	109	<10	100	<0.5	5	1.40	1.0	42	184	5810	4.45
CDN-CM-34				3.7	2.49	103	<10	80	<0.5	5	1.38	1.2	41	182	5830	4.40
Target Range - Lower Bound				3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91
Upper Bound				4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80
CDN-GS-P6A		0.716														
CDN-GS-P6A		0.765														
Target Range - Lower Bound		0.689														
Upper Bound		0.787														
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
EMOG-17				72.0	1.68	618	<10	40	<0.5	7	1.02	21.1	817	49	8890	5.00
EMOG-17				69.1	1.61	606	<10	40	<0.5	8	1.00	20.3	786	48	8540	4.76
EMOG-17				66.6	1.56	580	<10	30	<0.5	7	0.95	19.3	751	45	8420	4.55
Target Range - Lower Bound				59.3	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18
Upper Bound				72.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		10	<1	1.19	10	2.46	300	269	0.10	241	1140	22	3.01	5	9	104
CDN-CM-34		10	<1	1.21	10	2.57	302	272	0.10	230	1170	23	3.01	3	9	105
CDN-CM-34		10	<1	1.21	10	2.55	307	272	0.10	229	1160	21	3.02	5	9	104
Target Range - Lower Bound		<10	<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92
Upper Bound		30	2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115
CDN-GS-P6A																
CDN-GS-P6A																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		<10	<1	0.71	20	0.81	688	1150	0.17	8350	820	7600	3.37	738	5	58
EMOG-17		10	1	0.67	20	0.80	648	1085	0.17	7900	790	7380	3.19	683	5	55
EMOG-17		<10	<1	0.64	20	0.76	630	1055	0.16	7630	750	7220	3.09	695	4	53
Target Range - Lower Bound		<10	<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47
Upper Bound		30	3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Target Range - Lower Bound												5.3				
Upper Bound												6.7				
CDN-CM-34		<20	0.18	<10	<10	104	10	173								
CDN-CM-34		<20	0.18	<10	<10	106	10	175								
CDN-CM-34		<20	0.18	<10	<10	105	10	178								
Target Range - Lower Bound		<20	0.15	<10	<10	95	<10	159								
Upper Bound		40	0.21	20	20	118	30	199								
CDN-GS-P6A																
CDN-GS-P6A																
Target Range - Lower Bound																
Upper Bound																
DS-1									3.17							
Target Range - Lower Bound									3.01							
Upper Bound									3.25							
DS-1									3.13	2.54						
DS-1									3.17	2.64						
DS-1										2.64						
DS-1										2.66						
Target Range - Lower Bound										2.51						
Upper Bound										2.71						
EMOG-17		<20	0.22	<10	<10	68	<10	7650								
EMOG-17		<20	0.21	<10	<10	65	<10	7450								
EMOG-17		<20	0.21	<10	<10	62	<10	7330								
Target Range - Lower Bound		<20	0.18	<10	<10	58	<10	6780								
Upper Bound		50	0.25	20	20	74	20	8290								

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QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
G913-10		7.09														
G913-10		7.16														
G913-10		7.15														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
G915-10			48.5													
Target Range - Lower Bound			45.7													
Upper Bound			51.7													
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		2.02														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
JK-17			1.93													
Target Range - Lower Bound			1.83													
Upper Bound			2.17													
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
G913-10																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
G915-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 16-OCT-2018
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QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
G913-10																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
G915-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10									1.12							
Target Range - Lower Bound									1.03							
Upper Bound									1.13							
GS310-10									1.10	0.26						
GS310-10									1.11	0.28						
GS310-10										0.27						
Target Range - Lower Bound										0.25						
Upper Bound										0.29						
GS313-8									0.95							
Target Range - Lower Bound									0.90							
Upper Bound									0.98							
GS313-8									0.94	1.26						
GS313-8									0.92	1.24						
GS313-8										1.26						
GS313-8										1.24						
Target Range - Lower Bound										1.19						
Upper Bound										1.29						
JK-17																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
Target Range - Lower Bound											54		30	22.9	2.18	
Upper Bound											64		38	27.1	2.54	

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Finalized Date: 16-OCT-2018
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Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				4.5	2.63	35	<10	440	0.7	2	1.09	2.2	19	91	637	3.64
MRGeo08				4.5	2.52	32	<10	430	0.7	<2	1.04	2.1	19	89	609	3.50
MRGeo08				4.4	2.60	32	<10	420	0.7	<2	1.01	2.0	19	87	621	3.60
Target Range - Lower Bound				3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22
Upper Bound				5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 503c		0.701														
Target Range - Lower Bound		0.651														
Upper Bound		0.745														
OREAS 602				>100	0.61	665	<10	30	<0.5	59	0.53	25.2	9	28	5090	2.00
OREAS 602				>100	0.63	690	<10	30	<0.5	62	0.54	26.3	10	31	5360	2.07
OREAS 602				>100	0.63	654	<10	20	<0.5	58	0.50	23.5	10	30	5030	1.95
Target Range - Lower Bound				106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94
Upper Bound				100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
MA-1b																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		10	<1	1.29	30	1.15	415	14	0.33	711	1020	1080	0.31	2	7	80
MRGeo08		10	<1	1.20	30	1.10	404	13	0.33	698	1000	1050	0.29	4	7	80
MRGeo08		10	<1	1.29	30	1.12	398	13	0.33	705	980	1035	0.29	3	7	81
Target Range - Lower Bound		<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71
Upper Bound		30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<10	1	0.09	10	0.10	207	4	0.03	58	220	833	1.98	62	1	49
OREAS 602		10	1	0.09	10	0.10	221	4	0.03	63	240	864	2.05	66	1	51
OREAS 602		<10	1	0.09	10	0.10	206	4	0.02	60	220	806	1.92	53	1	49
Target Range - Lower Bound		<10	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44
Upper Bound		30	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
MA-1b									2.48	1.16						
MA-1b									2.42	1.20						
MA-1b									2.45	1.19						
MA-1b										1.15						
Target Range - Lower Bound										1.12						
Upper Bound										1.22						
MP-1b										13.85						
Target Range - Lower Bound										13.30						
Upper Bound										14.30						
MRGeo08		20	0.39	<10	<10	101	<10	772								
MRGeo08		20	0.37	<10	<10	99	<10	760								
MRGeo08		20	0.37	<10	<10	96	<10	734								
Target Range - Lower Bound		<20	0.33	<10	<10	90	<10	708								
Upper Bound		60	0.43	20	30	112	20	870								
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
Target Range - Lower Bound											45		37	7.8	5.26	
Upper Bound											54		47	9.7	6.08	
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<20	0.01	<10	<10	10	<10	3910								
OREAS 602		<20	0.01	<10	<10	11	<10	4230								
OREAS 602		<20	0.01	<10	<10	10	<10	3800								
Target Range - Lower Bound		<20	<0.01	<10	<10	8	<10	3680								
Upper Bound		40	0.03	20	20	14	20	4500								

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Target Range - Lower Bound				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Upper Bound				0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	2	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
Target Range - Lower Bound		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Upper Bound		20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							BLANKS									
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK									<0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<20	<0.01	<10	<10	<1	<10	<2								
Upper Bound		40	0.02	20	20	2	20	4								
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
Target Range - Lower Bound												5.5				
Upper Bound												6.9				
BLANK									<0.01	0.01						
BLANK									<0.01	<0.01						
BLANK									<0.01	<0.01						
BLANK									0.01	<0.01						
BLANK									<0.01	0.01						
BLANK										<0.01						
BLANK										<0.01						
BLANK										<0.01						
Target Range - Lower Bound										<0.01						
Upper Bound										0.02						

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QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL				1.3	0.87	<2	<10	10	<0.5	5	0.41	<0.5	1315	154	3680	39.3
DUP				1.3	0.90	<2	<10	10	<0.5	5	0.44	<0.5	1365	161	3810	40.8
Target Range - Lower Bound				1.0	0.83	<2	<10	<10	<0.5	3	0.39	<0.5	1270	149	3610	38.0
Upper Bound				1.6	0.94	4	20	20	1.0	7	0.46	1.0	1410	166	3880	42.1
1125014101		0.048														
DUP		0.072														
Target Range - Lower Bound		0.052														
Upper Bound		0.068														
1125029121																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125014158																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<10	<1	0.03	<10	0.49	187	1	0.01	>10000	40	3	7.66	<2	2	4
DUP		<10	<1	0.03	<10	0.51	194	1	0.01	>10000	40	<2	7.77	<2	2	4
Target Range - Lower Bound		<10	<1	0.02	<10	0.47	176	<1	<0.01	9500	30	<2	7.32	<2	<1	3
Upper Bound		20	2	0.04	20	0.54	205	2	0.02	>10000	50	4	8.11	4	3	5
1125014101																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125029121																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125014158																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
ORIGINAL										2.18						
DUP										2.22						
Target Range - Lower Bound										2.14						
Upper Bound										2.27						
ORIGINAL									<0.01	0.01						
DUP									<0.01	0.01						
Target Range - Lower Bound									<0.01	<0.01						
Upper Bound									0.02	0.02						
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<20	0.08	<10	<10	61	<10	91								
DUP		<20	0.09	<10	<10	64	<10	96								
Target Range - Lower Bound		<20	0.07	<10	<10	58	<10	87								
Upper Bound		40	0.10	20	20	67	20	100								
1125014101																
DUP																
Target Range - Lower Bound																
Upper Bound																
1125029121											34		-14	47.8	0.71	2
DUP											34		-14	47.8	0.71	2
Target Range - Lower Bound											31		-16	45.1	0.66	<1
Upper Bound											37		-12	50.5	0.76	3
1125014158												9.5				
DUP												9.5				
Target Range - Lower Bound												8.9				
Upper Bound												10.1				

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
							DUPLICATES									
1125014159				<0.2	1.22	2	<10	80	<0.5	<2	2.48	<0.5	11	106	2	2.44
DUP				<0.2	1.29	2	<10	90	<0.5	<2	2.51	<0.5	12	110	2	2.53
Target Range -	Lower Bound			<0.2	1.18	<2	<10	70	<0.5	<2	2.36	<0.5	10	102	<1	2.35
	Upper Bound			0.4	1.33	4	20	100	1.0	4	2.63	1.0	13	114	3	2.62
1124005123																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124016016																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124010082																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124014020		0.044														
DUP		0.046														
Target Range -	Lower Bound	0.038														
	Upper Bound	0.052														
V835503				2.5	1.14	<2	<10	90	<0.5	<2	0.74	<0.5	14	9	57	3.24
DUP				2.5	1.18	<2	<10	90	<0.5	<2	0.78	<0.5	14	9	59	3.31
Target Range -	Lower Bound			2.2	1.09	<2	<10	70	<0.5	<2	0.71	<0.5	12	8	55	3.10
	Upper Bound			2.8	1.23	4	20	110	1.0	4	0.81	1.0	16	10	61	3.45
1124020037																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124020002																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description / Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DUPLICATES															
1125014159	10	<1	0.28	20	0.98	614	1	0.04	19	680	<2	0.67	<2	2	63
DUP	10	<1	0.29	20	1.03	631	1	0.04	19	700	<2	0.70	<2	2	65
Target Range - Lower Bound	<10	<1	0.26	<10	0.94	586	<1	0.03	17	650	<2	0.64	<2	<1	60
Upper Bound	20	2	0.31	30	1.07	659	2	0.05	21	730	4	0.73	4	3	68
1124005123															
DUP															
Target Range - Lower Bound															
Upper Bound															
1124016016															
DUP															
Target Range - Lower Bound															
Upper Bound															
1124010082															
DUP															
Target Range - Lower Bound															
Upper Bound															
1124014020															
DUP															
Target Range - Lower Bound															
Upper Bound															
V835503	10	<1	0.27	10	0.56	307	11	0.10	16	750	7	0.09	<2	3	17
DUP	<10	<1	0.28	10	0.57	315	11	0.11	17	760	8	0.07	<2	3	18
Target Range - Lower Bound	<10	<1	0.25	<10	0.53	290	9	0.09	15	710	5	0.07	<2	2	16
Upper Bound	20	2	0.30	20	0.60	332	13	0.12	18	800	10	0.09	4	4	19
1124020037															
DUP															
Target Range - Lower Bound															
Upper Bound															
1124020002															
DUP															
Target Range - Lower Bound															
Upper Bound															

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Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES									
1125014159		<20	0.04	<10	<10	33	<10	70								
DUP		<20	0.04	<10	<10	34	<10	74								
Target Range - Lower Bound		<20	0.03	<10	<10	31	<10	66								
Upper Bound		40	0.05	20	20	36	20	78								
1124005123									0.68	1.79						
DUP									0.70	1.82						
Target Range - Lower Bound									0.66	1.75						
Upper Bound									0.72	1.86						
1124016016										1.00						
DUP										0.87						
Target Range - Lower Bound										0.90						
Upper Bound										0.97						
1124010082											25		12	13.1	1.90	2
DUP											25		12	13.1	1.90	2
Target Range - Lower Bound											23		10	12.1	1.80	<1
Upper Bound											27		14	14.1	2.01	3
1124014020																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835503		<20	0.37	<10	<10	81	<10	51								
DUP		<20	0.39	<10	<10	84	<10	52								
Target Range - Lower Bound		<20	0.35	<10	<10	77	<10	47								
Upper Bound		40	0.41	20	20	88	20	56								
1124020037												8.5				
DUP												8.5				
Target Range - Lower Bound												8.0				
Upper Bound												9.0				
1124020002									1.00	1.67						
DUP									1.03	1.64						
Target Range - Lower Bound									0.98	1.60						
Upper Bound									1.05	1.71						

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Finalized Date: 16-OCT-2018
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Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1124018091				1.3	1.19	61	<10	30	<0.5	<2	1.73	2.0	11	47	53	1.81
DUP				1.0	1.26	59	<10	30	<0.5	<2	1.76	2.1	8	45	54	1.84
Target Range - Lower Bound				0.9	1.15	55	<10	20	<0.5	<2	1.65	1.4	8	43	51	1.72
Upper Bound				1.4	1.30	65	20	40	1.0	4	1.84	2.7	11	49	56	1.93
1124003061																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124003015																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124003131																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124004054		1.095														
DUP		1.095														
Target Range - Lower Bound		1.035														
Upper Bound		1.155														
1124003125				2.7	0.50	141	<10	20	<0.5	<2	1.15	4.3	9	72	56	2.18
DUP				2.9	0.51	163	<10	20	<0.5	<2	1.16	4.5	9	73	58	2.21
Target Range - Lower Bound				2.5	0.47	142	<10	<10	<0.5	<2	1.09	3.7	8	68	54	2.08
Upper Bound				3.1	0.54	162	20	30	1.0	4	1.22	5.1	10	77	60	2.31
1124005016																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124005035																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
							DUPLICATES									
1124018091		<10	1	0.24	10	0.83	886	9	0.02	11	380	62	1.32	<2	1	28
DUP		<10	<1	0.25	10	0.86	905	9	0.03	9	390	66	1.37	<2	1	29
Target Range -	Lower Bound	<10	<1	0.22	<10	0.79	846	8	<0.01	9	360	59	1.27	<2	<1	26
	Upper Bound	20	2	0.27	20	0.90	945	10	0.04	12	410	69	1.42	4	2	31
1124003061																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124003015																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124003131																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124004054																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124003125		<10	1	0.17	10	0.39	985	1	0.01	9	440	505	2.17	2	<1	12
DUP		<10	1	0.17	10	0.40	994	1	0.01	21	440	518	2.18	2	<1	12
Target Range -	Lower Bound	<10	<1	0.15	<10	0.37	935	<1	<0.01	13	410	484	2.06	<2	<1	10
	Upper Bound	20	2	0.19	20	0.42	1045	2	0.02	17	470	539	2.29	4	2	14
1124005016																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124005035																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
1124018091		<20	<0.01	<10	<10	5	10	571			48		8	39.7	1.21	2
DUP		<20	<0.01	<10	<10	6	<10	591			49		9	39.7	1.23	2
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	550			45		7	37.4	1.15	<1
Upper Bound		40	0.02	20	20	7	20	612			52		10	42.0	1.29	3
1124003061												8.8				
DUP												8.8				
Target Range - Lower Bound												8.3				
Upper Bound												9.3				
1124003015										1.97						
DUP										1.98						
Target Range - Lower Bound										1.92						
Upper Bound										2.03						
1124003131									0.83	1.34						
DUP									0.85	1.35						
Target Range - Lower Bound									0.81	1.30						
Upper Bound									0.87	1.39						
1124004054																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124003125		<20	<0.01	<10	<10	3	<10	1160								
DUP		<20	<0.01	<10	<10	3	<10	1230								
Target Range - Lower Bound		<20	<0.01	<10	<10	2	<10	1135								
Upper Bound		40	0.02	20	20	4	20	1255								
1124005016											56		-10	66.3	0.85	2
DUP											57		-9	66.3	0.86	2
Target Range - Lower Bound											53		-11	62.7	0.80	<1
Upper Bound											60		-8	69.9	0.91	3
1124005035												8.8				
DUP												8.8				
Target Range - Lower Bound												8.3				
Upper Bound												9.3				

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
1124007011																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		1.275														
DUP		1.295														
Target Range - Lower Bound		1.215														
Upper Bound		1.355														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL				20.8	0.37	247	<10	40	0.5	<2	6.24	32.5	9	5	40	2.91
DUP				20.4	0.37	248	10	40	0.5	<2	6.35	32.9	9	5	39	2.90
Target Range - Lower Bound				19.4	0.34	233	<10	30	<0.5	<2	5.97	30.6	8	4	37	2.75
Upper Bound				21.8	0.40	262	20	50	1.0	4	6.62	34.8	10	6	42	3.06

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QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1124007011	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		<10	<1	0.23	10	0.32	1260	2	<0.01	25	680	2860	3.08	30	3	148
DUP		<10	<1	0.23	10	0.32	1270	2	<0.01	25	670	2870	3.11	29	3	147
Target Range - Lower Bound		<10	<1	0.21	<10	0.29	1195	<1	<0.01	23	630	2720	2.93	25	2	139
Upper Bound		20	2	0.25	20	0.35	1335	3	0.02	27	720	3010	3.26	34	4	156

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EMO ON P0W 1E0

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Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							DUPLICATES									
1124007011									0.35	0.88						
DUP									0.34	0.86						
Target Range - Lower Bound									0.33	0.84						
Upper Bound									0.36	0.90						
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL									2.08							
DUP									2.11							
Target Range - Lower Bound									2.03							
Upper Bound									2.16							
ORIGINAL		<20	<0.01	<10	<10	11	<10	4530								
DUP		<20	<0.01	<10	<10	11	<10	4520								
Target Range - Lower Bound		<20	<0.01	<10	<10	9	<10	4300								
Upper Bound		40	0.02	20	20	13	20	4750								

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 16-OCT-2018
Account: RRR

Project: Mine Site Lab Pulps Aug

QC CERTIFICATE OF ANALYSIS TB18235181

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

QC CERTIFICATE TB18315376

Project: Mine Site Lab Pulps Nov 2018

P.O. No.: 4500023138

This report is for 236 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-DEC-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34				3.6	2.34	102	<10	70	<0.5	5	1.34	1.2	40	172	5710	4.32
CDN-CM-34				3.7	2.35	104	<10	90	<0.5	7	1.32	1.1	40	176	5640	4.25
Target Range - Lower Bound				3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91
Upper Bound				4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80
CDN-ME1606			1.13													
Target Range - Lower Bound			0.95													
Upper Bound			1.18													
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		10	<1	1.15	10	2.38	293	256	0.10	222	1120	23	2.93	3	9	99
CDN-CM-34		10	<1	1.16	10	2.44	299	264	0.11	224	1130	22	2.97	3	9	101
Target Range - Lower Bound		<10	<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92
Upper Bound		30	2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115
CDN-ME1606																
Target Range - Lower Bound																
Upper Bound																
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.1				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.1				
Target Range - Lower Bound												5.3				
Upper Bound												6.7				
CDN-CM-34		<20	0.16	<10	<10	100	10	171								
CDN-CM-34		<20	0.17	<10	<10	101	10	171								
Target Range - Lower Bound		<20	0.15	<10	<10	95	<10	159								
Upper Bound		40	0.21	20	20	118	30	199								
CDN-ME1606																
Target Range - Lower Bound																
Upper Bound																
DS-1									3.25							
Target Range - Lower Bound									3.01							
Upper Bound									3.25							
DS-1									3.23	2.58						
DS-1									3.25	2.58						
DS-1									3.23	2.63						
DS-1										2.68						
DS-1										2.62						
DS-1										2.59						
Target Range - Lower Bound										2.51						
Upper Bound										2.71						

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
EMOG-17				67.3	1.63	596	<10	30	<0.5	7	0.99	20.3	759	46	8580	4.76
EMOG-17				68.4	1.60	599	<10	30	<0.5	9	0.96	19.9	774	47	8530	4.68
Target Range - Lower Bound				60.1	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18
Upper Bound				73.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14
G915-7			11.80													
Target Range - Lower Bound			11.60													
Upper Bound			13.15													
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.925														
JK-17		1.955														
JK-17		1.980														
JK-17		1.915														
JK-17		1.905														
JK-17		1.985														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
STANDARDS																
EMOG-17		<10	1	0.67	20	0.77	656	1070	0.17	7850	780	7330	3.18	665	5	53
EMOG-17		10	1	0.67	20	0.79	658	1085	0.17	7880	780	7410	3.21	677	5	54
Target Range - Lower Bound		<10	<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47
Upper Bound		30	3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59
G915-7																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
EMOG-17		<20	0.21	<10	<10	64	<10	7600								
EMOG-17		<20	0.21	<10	<10	63	<10	7510								
Target Range - Lower Bound		<20	0.18	<10	<10	58	<10	6780								
Upper Bound		50	0.25	20	20	74	20	8290								
G915-7																
Target Range - Lower Bound																
Upper Bound																
GS310-10									1.08							
Target Range - Lower Bound									1.03							
Upper Bound									1.13							
GS310-10									1.09	0.26						
GS310-10									1.08	0.27						
GS310-10									1.07	0.26						
GS310-10										0.27						
Target Range - Lower Bound										0.25						
Upper Bound										0.29						
GS313-8									0.96							
Target Range - Lower Bound									0.90							
Upper Bound									0.98							
GS313-8									0.91	1.22						
GS313-8									0.92	1.23						
GS313-8									0.96	1.23						
GS313-8										1.24						
Target Range - Lower Bound										1.19						
Upper Bound										1.29						
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
STANDARDS																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				4.4	2.53	32	10	430	0.7	2	1.06	2.2	18	89	620	3.49
MRGeo08				4.5	2.66	32	10	440	0.7	<2	1.07	2.2	19	90	644	3.62
MRGeo08				4.5	2.59	32	<10	430	0.7	4	1.06	2.3	19	90	612	3.52
MRGeo08				4.6	2.63	35	<10	430	0.7	4	1.07	2.3	18	90	614	3.53
MRGeo08				4.7	2.74	35	10	460	0.8	<2	1.11	2.1	19	94	635	3.73
Target Range - Lower Bound				3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22
Upper Bound				5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		10	<1	1.22	30	1.11	414	13	0.31	690	1000	1060	0.30	<2	7	78
MRGeo08		10	<1	1.27	30	1.14	420	13	0.33	715	1000	1090	0.31	3	7	82
MRGeo08		10	<1	1.23	30	1.13	413	14	0.33	695	1000	1065	0.30	3	7	79
MRGeo08		10	1	1.25	30	1.12	411	13	0.34	691	980	1055	0.30	3	7	82
MRGeo08		10	<1	1.31	30	1.19	418	13	0.35	726	1060	1100	0.32	6	7	85
Target Range - Lower Bound		<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71
Upper Bound		30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																

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STANDARDS																
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
KZK-1											60		35	25.0	2.40	2
Target Range - Lower Bound											54		30	22.9	2.18	
Upper Bound											64		38	27.1	2.54	
MA-1b									2.54							
Target Range - Lower Bound									2.34							
Upper Bound									2.54							
MA-1b									2.49	1.15						
MA-1b									2.56	1.20						
MA-1b									2.45	1.16						
Target Range - Lower Bound									2.34	1.12						
Upper Bound									2.54	1.22						
MRGeo08		20	0.38	<10	<10	98	<10	772								
MRGeo08		20	0.38	<10	<10	99	<10	781								
MRGeo08		20	0.37	<10	<10	98	<10	752								
MRGeo08		20	0.38	<10	<10	98	<10	743								
MRGeo08		20	0.39	<10	<10	104	<10	773								
Target Range - Lower Bound		<20	0.33	<10	<10	90	<10	708								
Upper Bound		60	0.43	20	30	112	20	870								
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
NBM-1											51		42	8.8	5.83	2
NBM-1											50		41	8.8	5.71	2
NBM-1											49		40	8.8	5.60	2
NBM-1											50		41	8.8	5.71	2
Target Range - Lower Bound											45		37	7.8	5.26	
Upper Bound											54		47	9.7	6.08	

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
OREAS 602				>100	0.66	700	<10	30	<0.5	63	0.58	26.9	11	36	5490	2.19
OREAS 602				>100	0.62	660	<10	30	<0.5	60	0.53	25.2	10	34	5150	2.04
OREAS 602				>100	0.64	680	<10	30	<0.5	59	0.53	25.7	10	30	5300	2.09
OREAS 602				>100	0.67	682	<10	30	<0.5	60	0.53	25.5	10	34	5320	2.10
OREAS 602				>100	0.64	670	<10	20	<0.5	59	0.52	25.0	10	31	5020	1.99
Target Range - Lower Bound				106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94
Upper Bound				100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40
OREAS-218		0.528														
OREAS-218		0.526														
OREAS-218		0.530														
Target Range - Lower Bound		0.494														
Upper Bound		0.568														
PMP-18		0.295														
PMP-18		0.296														
Target Range - Lower Bound		0.277														
Upper Bound		0.323														
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		0.007														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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STANDARDS																
OREAS 602		10	1	0.09	10	0.11	229	4	0.02	64	250	889	2.14	65	1	52
OREAS 602		<10	<1	0.09	10	0.10	210	4	0.02	61	230	840	1.99	63	1	49
OREAS 602		<10	1	0.09	10	0.10	219	4	0.03	62	230	860	2.02	65	1	50
OREAS 602		<10	1	0.10	10	0.11	216	4	0.03	64	240	864	2.03	63	1	52
OREAS 602		<10	<1	0.09	10	0.10	205	4	0.02	60	220	832	1.96	52	1	50
Target Range -	Lower Bound	<10	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44
	Upper Bound	30	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56
OREAS-218																
OREAS-218																
OREAS-218																
Target Range -	Lower Bound															
	Upper Bound															
PMP-18																
PMP-18																
Target Range -	Lower Bound															
	Upper Bound															
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
Target Range -	Lower Bound															
	Upper Bound															
BLANK																
BLANK																
Target Range -	Lower Bound															
	Upper Bound															

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
OREAS 602		<20	0.01	<10	<10	11	<10	4340								
OREAS 602		<20	0.01	<10	<10	10	<10	4070								
OREAS 602		<20	0.01	<10	<10	10	<10	4110								
OREAS 602		<20	0.01	<10	<10	11	<10	4090								
OREAS 602		<20	<0.01	<10	<10	10	<10	3890								
Target Range - Lower Bound		<20	<0.01	<10	<10	8	<10	3680								
Upper Bound		40	0.03	20	20	14	20	4500								
OREAS-218																
OREAS-218																
OREAS-218																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK									0.01							
BLANK									<0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
BLANKS																
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Target Range - Lower Bound				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Upper Bound				0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
BLANKS																
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	0.01	1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	3	<1	<1
Target Range - Lower Bound		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Upper Bound		20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
BLANKS																
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<20	<0.01	<10	<10	<1	<10	<2								
Upper Bound		40	0.02	20	20	2	20	4								
BLANK												6.0				
BLANK												6.0				
BLANK												5.7				
BLANK												5.8				
BLANK												5.8				
BLANK												5.9				
BLANK												5.8				
Target Range - Lower Bound												5.5				
Upper Bound												6.9				
BLANK									<0.01	<0.01						
BLANK									0.01	<0.01						
BLANK									0.01	<0.01						
BLANK									0.01	0.01						
BLANK									0.01	<0.01						
BLANK									<0.01	<0.01						
BLANK										<0.01						
BLANK										0.01						
BLANK										0.01						
Target Range - Lower Bound										<0.01						
Upper Bound										0.02						

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL		0.012														
DUP		0.013														
Target Range - Lower Bound		0.007														
Upper Bound		0.018														
ORIGINAL		0.244														
DUP		0.258														
Target Range - Lower Bound		0.233														
Upper Bound		0.269														
ORIGINAL		0.399														
DUP		0.427														
Target Range - Lower Bound		0.387														
Upper Bound		0.439														
ORIGINAL		0.692														
DUP		0.874														
Target Range - Lower Bound		0.739														
Upper Bound		0.827														
V853275				0.4	0.52	73	<10	20	<0.5	<2	1.46	1.3	6	4	15	1.55
DUP				0.6	0.59	77	<10	30	<0.5	<2	1.54	1.4	7	5	16	1.66
Target Range - Lower Bound				0.3	0.52	69	<10	<10	<0.5	<2	1.42	0.8	5	3	14	1.51
Upper Bound				0.7	0.59	81	20	40	1.0	4	1.59	1.9	8	6	17	1.70
1123015079																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
V853275		<10	<1	0.16	10	0.52	1335	1	<0.01	5	390	71	1.28	<2	<1	22
DUP		<10	<1	0.18	10	0.58	1430	1	0.01	6	420	76	1.37	<2	<1	23
Target Range - Lower Bound		<10	<1	0.15	<10	0.51	1310	<1	<0.01	4	370	68	1.25	<2	<1	20
Upper Bound		20	2	0.19	20	0.59	1455	2	0.02	7	440	79	1.40	4	2	25
1123015079																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
V853275		<20	<0.01	<10	<10	3	<10	321								
DUP		<20	<0.01	<10	<10	3	<10	348								
Target Range - Lower Bound		<20	<0.01	<10	<10	2	<10	316								
Upper Bound		40	0.02	20	20	4	20	353								
1123015079									0.47	1.22						
DUP									0.49	1.22						
Target Range - Lower Bound									0.46	1.18						
Upper Bound									0.50	1.26						

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1124029330		1.070														
DUP		0.833														
Target Range - Lower Bound		0.899														
Upper Bound		1.005														
1122003029																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123016020																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123016033		0.112														
DUP		0.115														
Target Range - Lower Bound		0.103														
Upper Bound		0.124														
1123020082				1.5	0.86	91	<10	60	<0.5	<2	0.35	19.5	6	129	193	2.19
DUP				2.1	0.88	85	<10	60	<0.5	<2	0.35	19.6	6	132	188	2.23
Target Range - Lower Bound				1.5	0.82	82	<10	50	<0.5	<2	0.32	18.1	5	123	183	2.09
Upper Bound				2.1	0.92	94	20	70	1.0	4	0.38	21.0	7	138	198	2.33
1123006017																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123014186		0.824														
DUP		1.025														
Target Range - Lower Bound		0.873														
Upper Bound		0.976														
1123013057																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1124029330	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122003029	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123016020	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123016033	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123020082		<10	<1	0.46	10	0.56	784	1	<0.01	7	320	118	1.79	5	<1	48
	DUP	<10	<1	0.47	10	0.57	798	1	<0.01	7	310	116	1.81	4	<1	49
	Target Range - Lower Bound	<10	<1	0.43	<10	0.53	746	<1	<0.01	6	290	109	1.70	<2	<1	45
	Upper Bound	20	2	0.50	20	0.60	836	2	0.02	8	340	125	1.90	7	2	52
1123006017	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123014186	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123013057	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Project: Mine Site Lab Pulps Nov 2018

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
1124029330																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122003029												9.0				
DUP												9.0				
Target Range - Lower Bound												8.5				
Upper Bound												9.6				
1123016020											34		-24	57.5	0.59	2
DUP											34		-24	57.5	0.59	2
Target Range - Lower Bound											31		-26	54.3	0.55	<1
Upper Bound											37		-22	60.7	0.63	3
1123016033																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123020082		<20	0.02	<10	<10	5	<10	4300								
DUP		<20	0.02	<10	<10	5	<10	4370								
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	4120								
Upper Bound		40	0.03	20	20	6	20	4550								
1123006017									0.64	0.92						
DUP									0.64	0.88						
Target Range - Lower Bound									0.61	0.87						
Upper Bound									0.67	0.93						
1123014186																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123013057												8.9				
DUP												8.8				
Target Range - Lower Bound												8.3				
Upper Bound												9.4				

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ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
1123013023	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1231002049	DUP			2.9	1.20	15	<10	40	<0.5	<2	1.84	1.4	9	150	125	1.90
				1.7	1.25	17	<10	40	<0.5	<2	1.90	1.5	10	157	128	1.93
	Target Range - Lower Bound			2.0	1.15	13	<10	30	<0.5	<2	1.77	0.9	8	145	121	1.81
	Upper Bound			2.6	1.30	19	20	50	1.0	4	1.97	2.0	11	162	132	2.02
1123015030	DUP															
	Target Range - Lower Bound															
	Upper Bound															
V835520	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123020150	DUP	2.73														
		1.770														
	Target Range - Lower Bound	2.13														
	Upper Bound	2.37														
1122002019	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122005040	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122005092	DUP			0.6	1.78	19	<10	50	<0.5	<2	1.80	<0.5	8	143	18	2.03
				0.5	1.80	18	10	50	<0.5	<2	1.82	<0.5	8	150	17	2.06
	Target Range - Lower Bound			0.3	1.69	16	<10	40	<0.5	<2	1.71	<0.5	7	138	16	1.93
	Upper Bound			0.8	1.89	21	20	60	1.0	4	1.91	1.0	9	155	19	2.16

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1123013023																
DUP																
Target Range - Lower Bound																
Upper Bound																
1231002049		<10	<1	0.23	20	0.71	485	1	0.05	17	470	2	0.60	<2	1	35
DUP		<10	<1	0.23	20	0.74	497	1	0.05	15	480	3	0.61	<2	1	35
Target Range - Lower Bound		<10	<1	0.21	<10	0.68	461	<1	0.04	14	440	<2	0.56	<2	<1	32
Upper Bound		20	2	0.25	30	0.77	521	2	0.06	18	510	4	0.65	4	2	38
1123015030																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835520																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123020150																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122002019																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122005040																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122005092		10	<1	0.16	10	0.75	415	1	0.13	12	420	8	0.63	<2	1	79
DUP		10	<1	0.16	10	0.76	420	1	0.13	12	420	9	0.63	2	1	79
Target Range - Lower Bound		<10	<1	0.14	<10	0.71	392	<1	0.11	10	390	6	0.59	<2	<1	74
Upper Bound		20	2	0.18	20	0.80	443	2	0.15	14	450	11	0.67	4	2	84

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								DUPLICATES								
1123013023											37		6	30.6	1.21	2
DUP											37		6	30.6	1.21	2
Target Range - Lower Bound											34		5	28.8	1.14	<1
Upper Bound											40		7	32.4	1.28	3
1231002049		<20	0.03	<10	<10	16	<10	385								
DUP		<20	0.03	<10	<10	16	<10	389								
Target Range - Lower Bound		<20	0.02	<10	<10	14	<10	366								
Upper Bound		40	0.04	20	20	18	20	408								
1123015030									0.51	1.50						
DUP									0.53	1.63						
Target Range - Lower Bound									0.50	1.52						
Upper Bound									0.54	1.61						
V835520									0.02							
DUP									0.02							
Target Range - Lower Bound									<0.01							
Upper Bound									0.03							
1123020150																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122002019												8.6				
DUP												8.7				
Target Range - Lower Bound												8.1				
Upper Bound												9.2				
1122005040											29		11	17.8	1.63	2
DUP											30		12	17.8	1.68	2
Target Range - Lower Bound											27		10	16.6	1.56	<1
Upper Bound											32		13	19.0	1.75	3
1122005092		<20	0.01	<10	<10	15	<10	81								
DUP		<20	0.01	<10	<10	15	<10	82								
Target Range - Lower Bound		<20	<0.01	<10	<10	13	<10	75								
Upper Bound		40	0.02	20	20	17	20	88								

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
1122002175		0.267														
DUP		0.273														
Target Range - Lower Bound		0.252														
Upper Bound		0.289														
1123006027																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123011005																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123009025				0.7	0.54	154	<10	40	<0.5	<2	1.65	1.0	9	105	57	1.81
DUP				0.7	0.59	161	<10	40	<0.5	<2	1.74	1.1	10	108	59	1.87
Target Range - Lower Bound				0.5	0.53	148	<10	30	<0.5	<2	1.60	<0.5	8	100	55	1.74
Upper Bound				0.9	0.60	167	20	50	1.0	4	1.79	1.6	11	113	61	1.94
1123009005																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123008138																
DUP																
Target Range - Lower Bound																
Upper Bound																
1231005088		0.021														
DUP		0.020														
Target Range - Lower Bound		0.014														
Upper Bound		0.027														
1123008224																
DUP																
Target Range - Lower Bound																
Upper Bound																

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		DUPLICATES														
1122002175	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123006027	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123011005	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123009025		<10	<1	0.24	10	0.66	1370	1	0.02	15	380	106	1.64	<2	1	19
	DUP	<10	<1	0.26	10	0.69	1450	1	0.03	15	400	110	1.71	<2	1	20
	Target Range - Lower Bound	<10	<1	0.23	<10	0.63	1335	<1	<0.01	13	360	101	1.58	<2	<1	18
	Upper Bound	20	2	0.27	20	0.72	1485	2	0.04	17	420	115	1.77	4	2	21
1123009005	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123008138	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1231005088	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123008224	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
1122002175																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123006027									0.30	1.36						
DUP									0.31	1.35						
Target Range - Lower Bound									0.29	1.31						
Upper Bound									0.32	1.40						
1123011005												8.7				
DUP												8.7				
Target Range - Lower Bound												8.2				
Upper Bound												9.2				
1123009025		<20	<0.01	<10	<10	3	<10	254								
DUP		<20	<0.01	<10	<10	4	<10	272								
Target Range - Lower Bound		<20	<0.01	<10	<10	2	<10	248								
Upper Bound		40	0.02	20	20	5	20	278								
1123009005											60		-13	73.4	0.82	2
DUP											61		-12	73.4	0.83	2
Target Range - Lower Bound											56		-14	69.4	0.77	<1
Upper Bound											65		-11	77.4	0.88	3
1123008138									1.42	1.59						
DUP									1.41	1.68						
Target Range - Lower Bound									1.37	1.58						
Upper Bound									1.46	1.69						
1231005088																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123008224												9.1				
DUP												9.2				
Target Range - Lower Bound												8.6				
Upper Bound												9.7				

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DUPLICATES																
V835525				9.8	0.93	3	<10	80	<0.5	3	0.56	<0.5	11	9	49	2.85
DUP				9.8	0.95	<2	<10	80	<0.5	3	0.57	<0.5	12	9	48	2.85
Target Range - Lower Bound				9.1	0.88	<2	<10	60	<0.5	<2	0.53	<0.5	10	8	46	2.70
Upper Bound				10.5	1.00	4	20	100	1.0	4	0.60	1.0	13	10	51	3.00
1122004035																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123018125		0.075														
DUP		0.073														
Target Range - Lower Bound		0.065														
Upper Bound		0.083														
1123018021																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122004125		0.029														
DUP		0.031														
Target Range - Lower Bound		0.024														
Upper Bound		0.037														
1123017189																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123017241				1.3	1.42	49	<10	110	<0.5	<2	1.57	11.8	7	190	71	2.25
DUP				1.3	1.55	50	<10	110	<0.5	<2	1.63	11.9	8	198	73	2.36
Target Range - Lower Bound				1.0	1.40	45	<10	90	<0.5	<2	1.51	10.8	6	183	68	2.18
Upper Bound				1.6	1.57	54	20	130	1.0	4	1.69	12.9	9	205	76	2.43
1123002106																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
							DUPLICATES									
V835525		<10	1	0.19	10	0.41	266	20	0.14	13	610	8	0.06	<2	2	20
DUP		<10	<1	0.19	10	0.41	264	20	0.15	13	590	7	0.06	<2	2	20
Target Range - Lower Bound		<10	<1	0.17	<10	0.38	247	18	0.13	11	560	5	0.05	<2	<1	18
Upper Bound		20	2	0.21	20	0.44	283	22	0.16	15	640	10	0.07	4	3	22
1122004035																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123018125																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123018021																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122004125																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123017189																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123017241		<10	1	0.39	20	1.06	792	1	0.02	11	650	64	1.30	<2	2	86
DUP		<10	<1	0.43	20	1.12	842	<1	0.02	11	670	66	1.35	<2	2	91
Target Range - Lower Bound		<10	<1	0.38	<10	1.03	771	<1	<0.01	9	620	60	1.25	<2	<1	83
Upper Bound		20	2	0.44	30	1.15	863	2	0.03	13	700	70	1.40	4	3	94
1123002106																
DUP																
Target Range - Lower Bound																
Upper Bound																

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							DUPLICATES									
V835525		<20	0.42	<10	<10	69	<10	48								
DUP		<20	0.41	<10	<10	69	<10	47								
Target Range - Lower Bound		<20	0.38	<10	<10	65	<10	43								
Upper Bound		40	0.45	20	20	73	20	52								
1122004035											64		28	35.9	1.78	2
DUP											64		28	35.9	1.78	2
Target Range - Lower Bound											60		26	33.8	1.68	<1
Upper Bound											68		30	38.0	1.88	3
1123018125																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123018021									0.58	0.79						
DUP									0.58	0.76						
Target Range - Lower Bound									0.56	0.75						
Upper Bound									0.60	0.80						
1122004125																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123017189												8.7				
DUP												8.8				
Target Range - Lower Bound												8.2				
Upper Bound												9.3				
1123017241		<20	0.05	<10	<10	14	<10	2750								
DUP		<20	0.05	<10	<10	15	<10	2850								
Target Range - Lower Bound		<20	0.04	<10	<10	13	<10	2660								
Upper Bound		40	0.06	20	20	16	20	2940								
1123002106											49		43	6.3	7.84	2
DUP											51		45	6.3	8.16	2
Target Range - Lower Bound											47		41	5.7	7.59	<1
Upper Bound											54		47	6.9	8.41	3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 10-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
1123009043	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124024034	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123001306	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		0.396														
DUP		0.628														
Target Range - Lower Bound		0.481														
Upper Bound		0.543														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.011														
DUP		0.009														
Target Range - Lower Bound		<0.005														
Upper Bound		0.016														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1123009043	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124024034	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123001306	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
1123009043									1.24	2.26						
DUP									1.26	2.26						
Target Range - Lower Bound									1.21	2.19						
Upper Bound									1.29	2.33						
1124024034												9.3				
DUP												9.3				
Target Range - Lower Bound												8.7				
Upper Bound												9.9				
1123001306											37		-63	100.3	0.37	2
DUP											37		-63	100.3	0.37	2
Target Range - Lower Bound											34		-67	95.0	0.34	<1
Upper Bound											40		-59	105.6	0.40	3
ORIGINAL										0.12						
DUP										0.12						
Target Range - Lower Bound										0.11						
Upper Bound										0.13						
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL			17.25													
DUP			17.45													
Target Range - Lower Bound			16.45													
Upper Bound			18.25													

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QC CERTIFICATE OF ANALYSIS TB18315376

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315376

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

QC CERTIFICATE TB18315377

Project: Mine Site Lab Pulps Nov 2018

P.O. No.: 4500023138

This report is for 132 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 10-DEC-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34				3.8	2.42	108	<10	110	<0.5	4	1.38	1.0	42	183	5900	4.46
CDN-CM-34				3.6	2.41	102	<10	90	<0.5	5	1.33	0.8	40	177	5740	4.37
CDN-CM-34				3.8	2.63	108	<10	80	<0.5	4	1.44	1.1	43	192	6150	4.61
Target Range - Lower Bound				3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91
Upper Bound				4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
EMOG-17				66.5	1.55	566	<10	50	<0.5	7	0.94	19.2	742	45	8320	4.57
EMOG-17				65.1	1.56	563	<10	40	<0.5	6	0.92	19.0	738	45	8360	4.58
EMOG-17				67.5	1.61	572	<10	30	<0.5	6	0.97	19.7	757	47	8530	4.67
Target Range - Lower Bound				60.1	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18
Upper Bound				73.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14
G915-10			49.2													
Target Range - Lower Bound			45.7													
Upper Bound			51.7													
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		10	<1	1.23	10	2.54	304	276	0.10	235	1180	21	3.08	6	9	106
CDN-CM-34		10	<1	1.23	10	2.44	299	268	0.10	227	1150	23	2.94	3	9	103
CDN-CM-34		10	<1	1.26	10	2.68	320	284	0.11	239	1210	25	3.11	3	10	106
Target Range - Lower Bound		<10	<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92
Upper Bound		30	2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		<10	2	0.67	20	0.76	625	1055	0.16	7680	760	7110	3.10	662	5	52
EMOG-17		<10	1	0.66	20	0.74	631	1045	0.16	7610	740	7070	3.05	681	5	52
EMOG-17		<10	<1	0.68	20	0.78	643	1060	0.17	7690	770	7260	3.11	667	5	54
Target Range - Lower Bound		<10	<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47
Upper Bound		30	3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59
G915-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																

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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
STANDARDS																
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Target Range - Lower Bound												5.3				
Upper Bound												6.7				
CDN-CM-34		<20	0.18	<10	<10	106	10	180								
CDN-CM-34		<20	0.17	<10	<10	104	10	171								
CDN-CM-34		<20	0.19	<10	<10	110	10	178								
Target Range - Lower Bound		<20	0.15	<10	<10	95	<10	159								
Upper Bound		40	0.21	20	20	118	30	199								
DS-1									3.13	2.53						
DS-1									3.20	2.58						
DS-1									3.20	2.57						
Target Range - Lower Bound									3.01	2.51						
Upper Bound									3.25	2.71						
EMOG-17		<20	0.21	10	<10	64	20	7350								
EMOG-17		<20	0.21	<10	<10	64	10	7260								
EMOG-17		<20	0.21	<10	<10	64	<10	7430								
Target Range - Lower Bound		<20	0.18	<10	<10	58	<10	6780								
Upper Bound		50	0.25	20	20	74	20	8290								
G915-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10									1.10							
GS310-10									1.08							
Target Range - Lower Bound									1.03							
Upper Bound									1.13							

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QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		1.915														
JK-17		2.01														
JK-17		1.970														
JK-17		1.965														
JK-17		1.985														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
JK-17			1.98													
Target Range - Lower Bound			1.83													
Upper Bound			2.17													
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																

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ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
GS310-10									1.10	0.25						
GS310-10									1.09	0.25						
GS310-10										0.27						
Target Range - Lower Bound										0.25						
Upper Bound										0.29						
GS313-8									0.91	1.24						
GS313-8									0.97	1.28						
GS313-8									0.97	1.21						
Target Range - Lower Bound									0.90	1.19						
Upper Bound									0.98	1.29						
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
KZK-1											59		34	25.0	2.36	2
KZK-1											60		35	25.0	2.40	2
Target Range - Lower Bound											54		30	22.9	2.18	
Upper Bound											64		38	27.1	2.54	
MA-1b									2.45							
MA-1b									2.54							
Target Range - Lower Bound									2.34							
Upper Bound									2.54							
MA-1b									2.45	1.17						
MA-1b									2.46	1.16						
MA-1b										1.13						
Target Range - Lower Bound										1.12						
Upper Bound										1.22						

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				4.3	2.60	31	<10	440	0.7	<2	1.05	1.8	19	88	611	3.56
MRGeo08				4.5	2.71	32	10	450	0.8	<2	1.09	1.8	19	91	631	3.69
Target Range - Lower Bound				3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22
Upper Bound				5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 602				>100	0.62	659	<10	30	<0.5	59	0.53	25.0	9	33	5180	2.08
OREAS 602				>100	0.62	664	<10	30	<0.5	61	0.52	25.4	10	37	5240	2.08
Target Range - Lower Bound				106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94
Upper Bound				100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40
OREAS-218		0.526														
OREAS-218		0.559														
OREAS-218		0.531														
OREAS-218		0.530														
Target Range - Lower Bound		0.494														
Upper Bound		0.568														
PMP-18		0.314														
Target Range - Lower Bound		0.277														
Upper Bound		0.323														
BLANKS																
BLANK		<0.005														
BLANK		0.014														
BLANK		0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		10	<1	1.26	30	1.10	402	13	0.33	693	980	1060	0.29	3	7	80
MRGeo08		10	<1	1.32	30	1.14	412	13	0.35	718	1010	1090	0.31	3	7	84
Target Range - Lower Bound		<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71
Upper Bound		30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<10	1	0.09	10	0.10	215	4	0.02	62	230	840	1.98	67	1	50
OREAS 602		<10	1	0.09	10	0.10	214	4	0.02	64	240	841	1.98	66	1	48
Target Range - Lower Bound		<10	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44
Upper Bound		30	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56
OREAS-218																
OREAS-218																
OREAS-218																
OREAS-218																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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STANDARDS																
MP-1b										13.70						
Target Range - Lower Bound										13.30						
Upper Bound										14.30						
MRGeo08		20	0.36	<10	<10	99	<10	759								
MRGeo08		20	0.37	<10	<10	102	<10	781								
Target Range - Lower Bound		<20	0.33	<10	<10	90	<10	708								
Upper Bound		60	0.43	20	30	112	20	870								
NBM-1											51		42	8.8	5.83	2
NBM-1											48		39	8.8	5.49	2
NBM-1											50		41	8.8	5.71	2
NBM-1											50		41	8.8	5.71	2
Target Range - Lower Bound											45		37	7.8	5.26	
Upper Bound											54		47	9.7	6.08	
OREAS 602		<20	0.01	<10	<10	10	10	4100								
OREAS 602		<20	0.01	<10	<10	10	10	4130								
Target Range - Lower Bound		<20	<0.01	<10	<10	8	<10	3680								
Upper Bound		40	0.03	20	20	14	20	4500								
OREAS-218																
OREAS-218																
OREAS-218																
OREAS-218																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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BLANKS																
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Target Range - Lower Bound				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Upper Bound				0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Target Range - Lower Bound		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Upper Bound		20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK									<0.01							
BLANK									<0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<20	<0.01	<10	<10	<1	<10	<2								
Upper Bound		40	0.02	20	20	2	20	4								
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
Target Range - Lower Bound												5.5				
Upper Bound												6.9				
BLANK									<0.01	<0.01						
BLANK									<0.01	0.01						
BLANK									0.01	0.01						
BLANK									<0.01	0.01						
BLANK									0.01	<0.01						
BLANK										0.01						
Target Range - Lower Bound										<0.01						
Upper Bound										0.02						

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DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		0.012														
DUP		0.013														
Target Range - Lower Bound		0.007														
Upper Bound		0.018														
ORIGINAL			18.20													
DUP			16.65													
Target Range - Lower Bound			16.50													
Upper Bound			18.35													
ORIGINAL			8.12													
DUP			8.71													
Target Range - Lower Bound			7.94													
Upper Bound			8.89													
ORIGINAL		0.244														
DUP		0.258														
Target Range - Lower Bound		0.233														
Upper Bound		0.269														
ORIGINAL		0.399														
DUP		0.427														
Target Range - Lower Bound		0.387														
Upper Bound		0.439														
ORIGINAL		0.692														
DUP		0.874														
Target Range - Lower Bound		0.739														
Upper Bound		0.827														
V850864				3.1	0.93	484	<10	20	<0.5	2	0.34	18.2	7	6	248	3.71
DUP				2.5	0.93	460	<10	20	<0.5	2	0.34	18.3	7	6	246	3.69
Target Range - Lower Bound				2.5	0.87	446	<10	<10	<0.5	<2	0.31	16.8	6	5	237	3.51
Upper Bound				3.1	0.99	498	20	30	1.0	4	0.37	19.7	8	7	257	3.90

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DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
V850864		<10	<1	0.19	10	0.59	420	1	<0.01	7	350	46	3.00	3	<1	11
DUP		<10	<1	0.19	10	0.59	417	1	<0.01	7	360	42	2.98	<2	<1	11
Target Range - Lower Bound		<10	<1	0.17	<10	0.55	393	<1	<0.01	6	330	40	2.83	<2	<1	9
Upper Bound		20	2	0.21	20	0.63	444	2	0.02	8	380	48	3.15	4	2	13

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
ORIGINAL									0.23	0.02						
DUP									0.22	0.02						
Target Range - Lower Bound									0.21	<0.01						
Upper Bound									0.24	0.03						
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
V850864		<20	0.01	<10	<10	5	10	4490								
DUP		<20	0.01	<10	<10	5	10	4480								
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	4260								
Upper Bound		40	0.02	20	20	6	20	4710								

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ALS Canada Ltd.

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835520																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124025119																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123002091																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124019104				0.8	2.52	23	<10	130	<0.5	<2	2.48	<0.5	16	97	27	3.65
DUP				0.7	2.51	24	<10	130	<0.5	<2	2.47	<0.5	15	94	27	3.60
Target Range - Lower Bound				0.5	2.38	20	<10	110	<0.5	<2	2.34	<0.5	14	90	25	3.43
Upper Bound				1.0	2.65	27	20	150	1.0	4	2.61	1.0	17	101	29	3.82
1124012085																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124019110		0.429														
DUP		0.440														
Target Range - Lower Bound		0.408														
Upper Bound		0.461														
V835510																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835520																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124025119																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123002091																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124019104		10	<1	0.51	20	0.96	724	1	0.18	25	600	18	1.51	<2	4	186
DUP		10	<1	0.51	20	0.94	709	1	0.19	24	590	19	1.49	<2	4	187
Target Range - Lower Bound		<10	<1	0.47	<10	0.89	676	<1	0.17	22	560	16	1.42	<2	3	176
Upper Bound		20	2	0.55	30	1.01	757	2	0.20	27	630	21	1.59	4	5	197
1124012085																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124019110																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835510																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
ORIGINAL									0.21	0.03						
DUP									0.21	0.03						
Target Range - Lower Bound									0.19	0.02						
Upper Bound									0.23	0.04						
V835520									0.02							
DUP									0.02							
Target Range - Lower Bound									<0.01							
Upper Bound									0.03							
1124025119												9.0				
DUP												9.0				
Target Range - Lower Bound												8.5				
Upper Bound												9.6				
1123002091											43		35	8.4	5.10	2
DUP											44		36	8.4	5.21	2
Target Range - Lower Bound											40		33	7.7	4.89	<1
Upper Bound											47		38	9.1	5.42	3
1124019104		<20	0.09	<10	<10	70	<10	160								
DUP		<20	0.09	<10	<10	69	<10	157								
Target Range - Lower Bound		<20	0.08	<10	<10	65	<10	149								
Upper Bound		40	0.10	20	20	74	20	168								
1124012085									0.78	1.00						
DUP									0.80	0.99						
Target Range - Lower Bound									0.76	0.96						
Upper Bound									0.82	1.03						
1124019110																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835510									0.01							
DUP									0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1124018094	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124018075	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124013120	DUP	0.084														
		0.088														
	Target Range - Lower Bound	0.077														
	Upper Bound	0.095														
1124021127	DUP			1.2	1.47	55	<10	30	<0.5	2	1.97	18.7	9	69	95	2.43
				1.2	1.48	58	<10	30	<0.5	3	1.97	18.6	8	70	94	2.38
	Target Range - Lower Bound			0.9	1.39	52	<10	20	<0.5	<2	1.86	17.2	7	65	90	2.27
	Upper Bound			1.5	1.56	61	20	40	1.0	4	2.08	20.1	10	74	99	2.54
1124026020	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123001198	DUP		19.30													
			12.15													
	Target Range - Lower Bound		14.90													
	Upper Bound		16.55													
1124012018	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124012044	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1124018094	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124018075	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124013120	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124021127		<10	1	0.15	10	0.58	734	1	0.14	12	410	95	2.37	<2	<1	34
	DUP	<10	<1	0.15	10	0.58	730	1	0.14	11	410	94	2.32	<2	<1	35
	Target Range - Lower Bound	<10	<1	0.13	<10	0.54	690	<1	0.12	10	380	88	2.22	<2	<1	32
	Upper Bound	20	2	0.17	20	0.62	774	2	0.16	13	440	101	2.47	4	2	37
1124026020	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1123001198	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124012018	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1124012044	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	C-IR07	S-IR08	OA-VOL08	OA-ELE07	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08
	Analyte	Th	Ti	Tl	U	V	W	Zn	C	S	NP	pH	NNP	MPA	Ratio (N	FIZZ RAT
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity
	LOD	20	0.01	10	10	1	10	2	0.01	0.01	1	0.1	1	0.3	0.01	1
DUPLICATES																
1124018094												8.7				
DUP												8.7				
Target Range - Lower Bound												8.2				
Upper Bound												9.2				
1124018075											25		-28	53.1	0.47	2
DUP											24		-29	53.1	0.45	2
Target Range - Lower Bound											22		-31	50.1	0.43	<1
Upper Bound											27		-26	56.1	0.49	3
1124013120																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124021127		<20	<0.01	<10	<10	4	10	3920								
DUP		<20	<0.01	<10	<10	4	10	3930								
Target Range - Lower Bound		<20	<0.01	<10	<10	3	<10	3730								
Upper Bound		40	0.02	20	20	5	20	4120								
1124026020									0.87	1.32						
DUP									0.89	1.31						
Target Range - Lower Bound									0.85	1.27						
Upper Bound									0.91	1.36						
1123001198																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124012018												9.3				
DUP												9.3				
Target Range - Lower Bound												8.7				
Upper Bound												9.9				
1124012044											41		27	14.4	2.85	2
DUP											42		28	14.4	2.92	2
Target Range - Lower Bound											38		25	13.4	2.73	<1
Upper Bound											45		30	15.4	3.04	3

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QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
V835513				9.4	0.93	<2	<10	80	<0.5	<2	0.54	<0.5	11	8	50	2.87
DUP				9.5	0.98	<2	<10	80	<0.5	<2	0.57	<0.5	11	9	50	2.95
Target Range - Lower Bound				8.8	0.90	<2	<10	60	<0.5	<2	0.52	<0.5	9	7	47	2.75
Upper Bound				10.1	1.01	4	20	100	1.0	4	0.59	1.0	13	10	53	3.07
1123001101		0.635														
DUP		0.580														
Target Range - Lower Bound		0.572														
Upper Bound		0.643														
1123001018																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124024034																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123001306																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124026001		0.021														
DUP		0.014														
Target Range - Lower Bound		0.012														
Upper Bound		0.023														
1124026016				0.7	2.62	65	<10	70	<0.5	<2	2.98	0.6	31	149	78	7.82
DUP				0.6	2.57	63	<10	70	<0.5	<2	2.90	0.7	30	146	83	7.65
Target Range - Lower Bound				0.4	2.46	59	<10	50	<0.5	<2	2.78	<0.5	28	139	77	7.34
Upper Bound				0.9	2.73	69	20	90	1.0	4	3.10	1.0	33	156	84	8.13
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
							DUPLICATES									
V835513		<10	<1	0.20	10	0.40	261	19	0.14	13	620	8	0.06	<2	2	19
DUP		<10	<1	0.20	10	0.41	270	19	0.15	13	610	6	0.06	<2	2	20
Target Range -	Lower Bound	<10	<1	0.18	<10	0.37	247	17	0.13	11	570	5	0.05	<2	<1	18
	Upper Bound	20	2	0.22	20	0.44	284	21	0.16	15	660	9	0.07	4	3	21
1123001101																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1123001018																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124024034																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1123001306																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124026001																
DUP																
Target Range -	Lower Bound															
	Upper Bound															
1124026016		10	<1	0.27	10	1.27	1040	1	0.06	50	600	4	2.00	<2	8	64
DUP		10	<1	0.26	10	1.25	1010	1	0.05	55	590	5	1.95	<2	7	63
Target Range -	Lower Bound	<10	<1	0.24	<10	1.19	969	<1	0.04	49	560	<2	1.87	<2	6	59
	Upper Bound	20	2	0.29	20	1.33	1080	2	0.07	56	630	7	2.08	4	9	68
ORIGINAL																
DUP																
Target Range -	Lower Bound															
	Upper Bound															

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							DUPLICATES									
V835513		<20	0.41	<10	<10	70	<10	47								
DUP		<20	0.42	<10	<10	71	<10	50								
Target Range - Lower Bound		<20	0.38	<10	<10	66	<10	44								
Upper Bound		40	0.45	20	20	75	20	53								
1123001101																
DUP																
Target Range - Lower Bound																
Upper Bound																
1123001018									0.42	1.74						
DUP									0.43	1.67						
Target Range - Lower Bound									0.40	1.65						
Upper Bound									0.45	1.76						
1124024034												9.3				
DUP												9.3				
Target Range - Lower Bound												8.7				
Upper Bound												9.9				
1123001306											37		-63	100.3	0.37	2
DUP											37		-63	100.3	0.37	2
Target Range - Lower Bound											34		-67	95.0	0.34	<1
Upper Bound											40		-59	105.6	0.40	3
1124026001																
DUP																
Target Range - Lower Bound																
Upper Bound																
1124026016		<20	0.12	10	<10	138	<10	232								
DUP		<20	0.12	10	<10	135	<10	226								
Target Range - Lower Bound		<20	0.10	<10	<10	129	<10	216								
Upper Bound		40	0.14	20	20	144	20	242								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
		DUPLICATES														
ORIGINAL		<0.005														
DUP		0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		>10.0														
DUP		>10.0														
Target Range - Lower Bound		9.50														
Upper Bound		10.00														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 9-JAN-2019
Account: RRR

Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL										0.64						
DUP										0.61						
Target Range - Lower Bound										0.60						
Upper Bound										0.65						

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Finalized Date: 9-JAN-2019
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Project: Mine Site Lab Pulps Nov 2018

QC CERTIFICATE OF ANALYSIS TB18315377

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	

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OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

QC CERTIFICATE TB19005962

Project: Mine Site Lab Pulps Nov2018 V2

P.O. No.: 4500023138

This report is for 214 Pulp samples submitted to our lab in Thunder Bay, ON, Canada on 28-DEC-2018.

The following have access to data associated with this certificate:

RAINY RIVER AP TIM SCHWARTZ	JOHN BLIGH	JASON PATTISON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
C-IR07	Total Carbon (Leco)	LECO
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34				4.1	2.50	106	<10	120	<0.5	7	1.41	1.2	41	183	5910	4.51
CDN-CM-34				3.6	2.46	106	<10	60	<0.5	5	1.38	1.0	40	181	6030	4.46
CDN-CM-34				3.7	2.40	105	<10	120	<0.5	7	1.39	1.1	42	181	5890	4.36
Target Range - Lower Bound				3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91
Upper Bound				4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
EMOG-17				66.1	1.58	577	<10	50	<0.5	10	0.97	19.4	750	46	8370	4.66
EMOG-17				66.9	1.58	586	<10	30	<0.5	6	0.95	19.2	744	46	8530	4.68
EMOG-17				67.3	1.56	593	<10	50	<0.5	9	0.97	19.9	765	47	8510	4.62
Target Range - Lower Bound				60.1	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18
Upper Bound				73.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14

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To: NEW GOLD INC. - RAINY RIVER PROJECT
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5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Buffer pH6																
Target Range - Lower Bound																
Upper Bound																
CDN-CM-34		10	<1	1.24	10	2.61	306	279	0.11	233	1190	23	3.13	5	9	106
CDN-CM-34		10	1	1.23	10	2.58	304	278	0.11	234	1160	20	3.03	4	9	105
CDN-CM-34		10	<1	1.20	10	2.55	303	276	0.11	232	1160	22	3.01	6	9	103
Target Range - Lower Bound		<10	<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92
Upper Bound		30	2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115
DS-1																
Target Range - Lower Bound																
Upper Bound																
DS-1																
DS-1																
DS-1																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		<10	<1	0.67	20	0.78	631	1065	0.17	7680	770	7140	3.16	712	5	53
EMOG-17		<10	1	0.67	20	0.78	631	1070	0.17	7850	750	7230	3.13	636	5	54
EMOG-17		<10	<1	0.65	20	0.79	644	1085	0.16	7820	780	7460	3.15	694	4	53
Target Range - Lower Bound		<10	<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47
Upper Bound		30	3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59

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OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Buffer pH6												6.0				
Target Range - Lower Bound												5.3				
Upper Bound												6.7				
CDN-CM-34		<20	0.18	<10	<10	105	10	175								
CDN-CM-34		<20	0.18	<10	<10	105	10	178								
CDN-CM-34		<20	0.18	<10	<10	104	10	177								
Target Range - Lower Bound		<20	0.15	<10	<10	95	<10	159								
Upper Bound		40	0.21	20	20	118	30	199								
DS-1									3.12							
Target Range - Lower Bound									3.01							
Upper Bound									3.25							
DS-1									3.19	2.69						
DS-1									3.10	2.66						
DS-1									3.11	2.63						
Target Range - Lower Bound									3.01	2.51						
Upper Bound									3.25	2.71						
EMOG-17		<20	0.21	<10	<10	62	<10	7170								
EMOG-17		<20	0.21	10	<10	63	<10	7350								
EMOG-17		<20	0.21	<10	<10	63	<10	7420								
Target Range - Lower Bound		<20	0.18	<10	<10	58	<10	6780								
Upper Bound		50	0.25	20	20	74	20	8290								

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
G915-10			49.0													
Target Range - Lower Bound			45.7													
Upper Bound			51.7													
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17		2.01														
JK-17		2.03														
JK-17		2.00														
JK-17		2.04														
JK-17		2.03														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
JK-17			1.94													
Target Range - Lower Bound			1.83													
Upper Bound			2.17													
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
G915-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
GS310-10																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
GS313-8																
GS313-8																
GS313-8																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
KZK-1																
Target Range - Lower Bound																
Upper Bound																

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STANDARDS																
G915-10																
Target Range - Lower Bound																
Upper Bound																
GS310-10									1.04	0.25						
GS310-10									1.09	0.27						
GS310-10									1.09	0.25						
Target Range - Lower Bound									1.03	0.25						
Upper Bound									1.13	0.29						
GS313-8									0.90							
Target Range - Lower Bound									0.90							
Upper Bound									0.98							
GS313-8									0.91	1.21						
GS313-8									0.94	1.21						
GS313-8									0.94	1.26						
Target Range - Lower Bound									0.90	1.19						
Upper Bound									0.98	1.29						
JK-17																
JK-17																
JK-17																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
KZK-1											59		34	25.0	2.36	2
KZK-1											61		36	25.0	2.44	2
KZK-1											61		36	25.0	2.44	2
KZK-1											59		34	25.0	2.36	2
KZK-1											59		34	25.0	2.36	2
KZK-1											62		37	25.0	2.48	2
Target Range - Lower Bound											54		30	22.9	2.18	
Upper Bound											64		38	27.1	2.54	

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QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
STANDARDS																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				4.7	2.79	32	<10	450	0.8	4	1.17	2.4	20	93	642	3.78
MRGeo08				4.7	2.72	32	<10	450	0.8	5	1.14	2.4	20	94	644	3.69
MRGeo08				4.5	2.58	31	<10	440	0.7	3	1.07	2.2	19	90	607	3.56
MRGeo08				4.6	2.70	36	<10	440	0.8	5	1.12	2.4	19	92	629	3.72
Target Range - Lower Bound				3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22
Upper Bound				5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 602				>100	0.66	677	<10	30	<0.5	60	0.54	25.1	10	30	5280	2.06
OREAS 602				>100	0.63	672	<10	30	<0.5	62	0.54	25.4	10	34	5200	2.04
OREAS 602				>100	0.65	705	<10	30	<0.5	63	0.56	26.7	10	33	5370	2.13
OREAS 602				>100	0.61	645	<10	30	<0.5	59	0.52	24.4	10	31	5060	1.98
Target Range - Lower Bound				106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94
Upper Bound				100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40
OREAS-218		0.538														
OREAS-218		0.554														
Target Range - Lower Bound		0.494														
Upper Bound		0.568														
PMP-18		0.310														
PMP-18		0.314														
PMP-18		0.314														
Target Range - Lower Bound		0.277														
Upper Bound		0.323														

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
STANDARDS																
MA-1b																
MA-1b																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		10	<1	1.33	30	1.20	425	14	0.37	724	1020	1105	0.32	<2	7	87
MRGeo08		10	<1	1.28	30	1.20	427	14	0.35	729	1030	1130	0.32	5	7	84
MRGeo08		10	<1	1.24	30	1.14	408	14	0.32	701	1000	1090	0.29	3	7	78
MRGeo08		10	<1	1.28	30	1.18	419	14	0.34	713	1040	1085	0.31	6	7	82
Target Range - Lower Bound		<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71
Upper Bound		30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
NBM-1																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<10	1	0.10	10	0.11	213	4	0.02	61	230	845	2.05	69	1	51
OREAS 602		<10	<1	0.09	10	0.10	212	4	0.02	63	230	867	1.98	65	1	49
OREAS 602		<10	<1	0.09	10	0.11	222	4	0.03	64	240	908	2.07	67	1	51
OREAS 602		<10	<1	0.09	10	0.10	204	4	0.02	60	230	818	1.97	69	1	47
Target Range - Lower Bound		<10	<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44
Upper Bound		30	3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56
OREAS-218																
OREAS-218																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
STANDARDS																
MA-1b									2.45	1.16						
MA-1b									2.48	1.21						
MA-1b									2.49	1.20						
Target Range - Lower Bound									2.34	1.12						
Upper Bound									2.54	1.22						
MRGeo08		20	0.39	<10	<10	102	<10	786								
MRGeo08		20	0.39	<10	<10	103	<10	795								
MRGeo08		20	0.38	<10	<10	99	<10	766								
MRGeo08		20	0.39	<10	<10	101	<10	771								
Target Range - Lower Bound		<20	0.33	<10	<10	90	<10	708								
Upper Bound		60	0.43	20	30	112	20	870								
NBM-1											48		39	8.8	5.49	2
NBM-1											52		43	8.8	5.94	2
NBM-1											52		43	8.8	5.94	2
NBM-1											51		42	8.8	5.83	2
NBM-1											51		42	8.8	5.83	2
NBM-1											50		41	8.8	5.71	2
Target Range - Lower Bound											45		37	7.8	5.26	
Upper Bound											54		47	9.7	6.08	
OREAS 602		<20	0.01	<10	<10	10	<10	3990								
OREAS 602		<20	0.01	<10	<10	10	<10	4060								
OREAS 602		<20	0.01	<10	<10	11	<10	4260								
OREAS 602		<20	0.01	<10	<10	10	<10	3850								
Target Range - Lower Bound		<20	<0.01	<10	<10	8	<10	3680								
Upper Bound		40	0.03	20	20	14	20	4500								
OREAS-218																
OREAS-218																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
BLANK				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Target Range - Lower Bound				<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01
Upper Bound				0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
BLANK		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1
Target Range - Lower Bound		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1
Upper Bound		20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
							BLANKS									
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK									<0.01							
Target Range - Lower Bound									<0.01							
Upper Bound									0.02							
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
BLANK		<20	<0.01	<10	<10	<1	<10	<2								
Target Range - Lower Bound		<20	<0.01	<10	<10	<1	<10	<2								
Upper Bound		40	0.02	20	20	2	20	4								
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
BLANK												6.0				
Target Range - Lower Bound												5.5				
Upper Bound												6.9				
BLANK									<0.01	<0.01						
BLANK									<0.01	<0.01						
BLANK									<0.01	<0.01						
BLANK									<0.01	0.01						
BLANK									<0.01	0.01						
BLANK									<0.01	<0.01						
Target Range - Lower Bound									<0.01	<0.01						
Upper Bound									0.02	0.02						

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL		0.373														
DUP		0.372														
Target Range - Lower Bound		0.349														
Upper Bound		0.396														
ORIGINAL			0.48													
DUP			0.43													
Target Range - Lower Bound			0.38													
Upper Bound			0.53													
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.370														
DUP		0.353														
Target Range - Lower Bound		0.338														
Upper Bound		0.385														
ORIGINAL		1.060														
DUP		1.110														
Target Range - Lower Bound		1.025														
Upper Bound		1.145														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL											219		214	5.0	43.80	3
DUP											220		215	4.7	46.93	3
Target Range - Lower Bound											208		203	4.3	43.09	2
Upper Bound											231		226	5.4	47.64	>4
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description / Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES															
1122014105															
DUP															
Target Range - Lower Bound															
Upper Bound															
1231003342			1.1	0.77	196	<10	50	<0.5	<2	1.48	1.7	7	131	24	1.83
DUP			1.3	0.76	188	<10	50	<0.5	<2	1.47	1.7	8	127	25	1.84
Target Range - Lower Bound			0.9	0.72	180	<10	40	<0.5	<2	1.39	1.1	6	122	23	1.73
Upper Bound			1.5	0.81	204	20	60	1.0	4	1.56	2.3	9	136	26	1.94
1122014181															
DUP															
Target Range - Lower Bound															
Upper Bound															
1122011118	0.076														
DUP	0.075														
Target Range - Lower Bound	0.067														
Upper Bound	0.084														
1122011187															
DUP															
Target Range - Lower Bound															
Upper Bound															
1122016065															
DUP															
Target Range - Lower Bound															
Upper Bound															
V835530			9.5	0.99	<2	<10	80	<0.5	4	0.61	<0.5	12	9	50	2.99
DUP			9.6	0.97	<2	<10	80	<0.5	2	0.60	<0.5	11	9	50	2.94
Target Range - Lower Bound			8.9	0.92	<2	<10	60	<0.5	<2	0.56	<0.5	10	8	47	2.81
Upper Bound			10.2	1.04	4	20	100	1.0	4	0.65	1.0	13	10	53	3.12
1231009008															
DUP															
Target Range - Lower Bound															
Upper Bound															

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Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description / Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DUPLICATES															
1122014105 DUP															
Target Range - Lower Bound															
Upper Bound															
1231003342 DUP	<10	<1	0.37	10	0.59	1145	1	0.01	9	380	533	1.54	<2	<1	13
	<10	<1	0.37	10	0.59	1150	<1	0.01	8	390	531	1.54	<2	<1	13
Target Range - Lower Bound	<10	<1	0.34	<10	0.55	1085	<1	<0.01	7	360	503	1.45	<2	<1	11
Upper Bound	20	2	0.40	20	0.63	1210	2	0.02	10	410	561	1.63	4	2	15
1122014181 DUP															
Target Range - Lower Bound															
Upper Bound															
1122011118 DUP															
Target Range - Lower Bound															
Upper Bound															
1122011187 DUP															
Target Range - Lower Bound															
Upper Bound															
1122016065 DUP															
Target Range - Lower Bound															
Upper Bound															
V835530 DUP	<10	<1	0.20	10	0.43	269	19	0.15	14	610	9	0.05	<2	2	20
	<10	<1	0.20	10	0.42	262	19	0.15	12	610	8	0.05	<2	2	20
Target Range - Lower Bound	<10	<1	0.18	<10	0.39	247	17	0.13	11	570	6	0.04	<2	<1	18
Upper Bound	20	2	0.22	20	0.46	284	21	0.17	15	650	11	0.06	4	3	22
1231009008 DUP															
Target Range - Lower Bound															
Upper Bound															

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To: NEW GOLD INC. - RAINY RIVER PROJECT
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

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QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
								DUPLICATES								
1122014105									0.31	1.56						
DUP									0.31	1.55						
Target Range - Lower Bound									0.29	1.51						
Upper Bound									0.33	1.60						
1231003342		<20	<0.01	<10	<10	4	<10	450								
DUP		<20	<0.01	<10	<10	4	<10	460								
Target Range - Lower Bound		<20	<0.01	<10	<10	3	<10	430								
Upper Bound		40	0.02	20	20	5	20	480								
1122014181												9.1				
DUP												9.1				
Target Range - Lower Bound												8.5				
Upper Bound												9.7				
1122011118																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122011187											45		33	12.2	3.69	2
DUP											45		33	12.2	3.69	2
Target Range - Lower Bound											42		30	11.3	3.50	<1
Upper Bound											48		36	13.1	3.88	3
1122016065									0.47	1.75						
DUP									0.48	1.78						
Target Range - Lower Bound									0.45	1.71						
Upper Bound									0.50	1.82						
V835530		<20	0.43	<10	<10	71	<10	50								
DUP		<20	0.43	<10	<10	70	<10	48								
Target Range - Lower Bound		<20	0.40	<10	<10	66	<10	45								
Upper Bound		40	0.46	20	20	75	20	53								
1231009008												8.4				
DUP												8.5				
Target Range - Lower Bound												7.9				
Upper Bound												9.0				

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QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1122015189		0.073														
DUP		0.073														
Target Range - Lower Bound		0.064														
Upper Bound		0.082														
1231008150																
DUP																
Target Range - Lower Bound																
Upper Bound																
1230010341				0.7	1.75	10	10	40	<0.5	3	1.66	<0.5	17	155	80	3.30
DUP				0.8	1.79	8	10	40	<0.5	<2	1.68	<0.5	17	154	82	3.32
Target Range - Lower Bound				0.5	1.67	7	<10	30	<0.5	<2	1.58	<0.5	15	146	77	3.13
Upper Bound				1.0	1.87	11	20	50	1.0	4	1.76	1.0	19	163	85	3.49
1230010402		0.166														
DUP		0.134														
Target Range - Lower Bound		0.138														
Upper Bound		0.163														
1231009207																
DUP																
Target Range - Lower Bound																
Upper Bound																
1231009049																
DUP																
Target Range - Lower Bound																
Upper Bound																
1231009017				0.9	1.55	11	<10	30	<0.5	<2	0.43	1.7	14	199	81	2.58
DUP				0.9	1.62	12	<10	30	<0.5	<2	0.44	1.7	15	201	84	2.67
Target Range - Lower Bound				0.7	1.50	9	<10	20	<0.5	<2	0.40	1.1	13	189	79	2.48
Upper Bound				1.1	1.67	14	20	40	1.0	4	0.47	2.3	16	211	86	2.77
1122011196		0.022														
DUP		0.019														
Target Range - Lower Bound		0.014														
Upper Bound		0.027														

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		DUPLICATES														
1122015189	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1231008150	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1230010341		10	<1	0.26	10	1.39	1220	1	0.03	27	570	8	0.98	<2	6	29
	DUP	10	<1	0.27	10	1.41	1235	1	0.03	27	600	6	0.99	2	6	30
	Target Range - Lower Bound	<10	<1	0.24	<10	1.32	1160	<1	0.02	25	550	5	0.93	<2	5	27
	Upper Bound	20	2	0.29	20	1.48	1295	2	0.04	29	620	9	1.04	4	7	32
1230010402	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1231009207	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1231009049	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1231009017		<10	<1	0.11	20	1.16	455	1	0.08	35	680	8	2.32	<2	2	31
	DUP	<10	<1	0.11	20	1.21	467	1	0.09	36	700	7	2.40	<2	3	33
	Target Range - Lower Bound	<10	<1	0.09	<10	1.12	433	<1	0.07	33	650	5	2.23	<2	<1	29
	Upper Bound	20	2	0.13	30	1.25	489	2	0.10	38	730	10	2.49	4	4	35
1122011196	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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								DUPLICATES								
1122015189																
DUP																
Target Range - Lower Bound																
Upper Bound																
1231008150											20		-85	104.7	0.19	1
DUP											20		-85	104.7	0.19	1
Target Range - Lower Bound											18		-90	99.2	0.17	<1
Upper Bound											22		-80	110.2	0.21	2
1230010341		<20	0.03	<10	<10	45	<10	88	0.50	1.00						
DUP		<20	0.03	<10	<10	45	<10	89	0.50	0.96						
Target Range - Lower Bound		<20	0.02	<10	<10	42	<10	82	0.48	0.95						
Upper Bound		40	0.04	20	20	48	20	95	0.52	1.01						
1230010402																
DUP																
Target Range - Lower Bound																
Upper Bound																
1231009207												8.3				
DUP												8.3				
Target Range - Lower Bound												7.8				
Upper Bound												8.8				
1231009049											17		-101	117.5	0.14	1
DUP											18		-100	117.5	0.15	1
Target Range - Lower Bound											16		-107	111.3	0.13	<1
Upper Bound											19		-94	123.7	0.16	2
1231009017		<20	<0.01	<10	<10	21	<10	447								
DUP		<20	<0.01	<10	<10	21	<10	458								
Target Range - Lower Bound		<20	<0.01	<10	<10	19	<10	428								
Upper Bound		40	0.02	20	20	23	20	477								
1122011196									0.43	0.36						
DUP									0.45	0.35						
Target Range - Lower Bound									0.42	0.34						
Upper Bound									0.46	0.37						

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DUPLICATES																
1129009304	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122012108	DUP			1.5	1.07	50	<10	20	<0.5	2	0.84	17.4	7	235	42	2.59
				2.6	1.15	51	<10	20	<0.5	2	0.87	18.3	7	246	44	2.77
	Target Range - Lower Bound			1.7	1.04	46	<10	<10	<0.5	<2	0.80	16.5	6	227	40	2.54
	Upper Bound			2.4	1.18	55	20	30	1.0	4	0.91	19.2	8	254	46	2.82
1122012063	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122009089	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122012123	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122006013	DUP			0.7	1.35	49	10	30	<0.5	<2	1.67	<0.5	8	79	27	1.73
				0.6	1.34	31	10	30	<0.5	<2	1.62	<0.5	7	72	24	1.71
	Target Range - Lower Bound			0.4	1.27	36	<10	20	<0.5	<2	1.55	<0.5	6	71	24	1.62
	Upper Bound			0.9	1.42	44	20	40	1.0	4	1.74	1.0	9	80	27	1.82
1122008014	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122008031	DUP															
	Target Range - Lower Bound															
	Upper Bound															

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		DUPLICATES														
1129009304	DUP															
Target Range - Lower Bound																
	Upper Bound															
1122012108	DUP	<10	<1	0.15	10	0.81	576	1	0.01	9	390	24	1.84	4	<1	15
		<10	1	0.16	10	0.87	608	1	0.01	10	410	26	1.96	4	<1	16
Target Range - Lower Bound		<10	<1	0.14	<10	0.79	557	<1	<0.01	8	370	22	1.80	<2	<1	14
	Upper Bound	20	2	0.17	20	0.89	627	2	0.02	11	430	28	2.01	6	2	17
1122012063	DUP															
Target Range - Lower Bound																
	Upper Bound															
1122009089	DUP															
Target Range - Lower Bound																
	Upper Bound															
1122012123	DUP															
Target Range - Lower Bound																
	Upper Bound															
1122006013	DUP	<10	<1	0.12	10	0.84	437	1	0.03	9	400	13	1.10	2	1	27
		<10	<1	0.12	10	0.84	434	1	0.03	9	390	13	1.08	<2	1	26
Target Range - Lower Bound		<10	<1	0.10	<10	0.79	409	<1	0.02	8	370	10	1.03	<2	<1	24
	Upper Bound	20	2	0.14	20	0.89	462	2	0.04	10	420	16	1.15	4	2	29
1122008014	DUP															
Target Range - Lower Bound																
	Upper Bound															
1122008031	DUP															
Target Range - Lower Bound																
	Upper Bound															

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								DUPLICATES								
1129009304												9.0				
DUP												9.0				
Target Range - Lower Bound												8.5				
Upper Bound												9.6				
1122012108		<20	0.02	<10	<10	5	<10	4300								
DUP		<20	0.02	<10	<10	5	<10	4520								
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	4190								
Upper Bound		40	0.03	20	20	6	20	4630								
1122012063											34		-12	46.3	0.74	2
DUP											34		-12	46.3	0.74	2
Target Range - Lower Bound											31		-14	43.7	0.69	<1
Upper Bound											37		-10	48.9	0.79	3
1122009089									0.11	1.10						
DUP									0.12	1.14						
Target Range - Lower Bound									0.10	1.08						
Upper Bound									0.13	1.16						
1122012123												8.9				
DUP												8.9				
Target Range - Lower Bound												8.4				
Upper Bound												9.4				
1122006013		<20	<0.01	<10	<10	6	<10	150								
DUP		<20	<0.01	<10	<10	5	<10	154								
Target Range - Lower Bound		<20	<0.01	<10	<10	4	<10	142								
Upper Bound		40	0.02	20	20	7	20	162								
1122008014											49		25	24.1	2.04	2
DUP											49		25	24.1	2.04	2
Target Range - Lower Bound											46		23	22.6	1.93	<1
Upper Bound											52		27	25.6	2.15	3
1122008031									1.17	1.84						
DUP									1.18	1.85						
Target Range - Lower Bound									1.14	1.79						
Upper Bound									1.21	1.90						

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
1122008001		0.102														
DUP		0.104														
Target Range - Lower Bound		0.093														
Upper Bound		0.113														
V835538																
DUP																
Target Range - Lower Bound																
Upper Bound																
1122005206																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL				<0.2	1.91	46	<10	190	0.8	2	0.57	<0.5	16	57	11	2.92
DUP				<0.2	1.96	48	<10	200	0.8	2	0.59	<0.5	17	59	11	3.00
Target Range - Lower Bound				<0.2	1.83	43	<10	170	<0.5	<2	0.54	<0.5	15	54	10	2.80
Upper Bound				0.4	2.04	51	20	220	1.0	4	0.62	1.0	18	62	12	3.12
ORIGINAL		0.207														
DUP		0.213														
Target Range - Lower Bound		0.195														
Upper Bound		0.226														
ORIGINAL		<0.005														
DUP		0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
		DUPLICATES														
1122008001	DUP															
	Target Range - Lower Bound															
	Upper Bound															
V835538	DUP															
	Target Range - Lower Bound															
	Upper Bound															
1122005206	DUP															
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL		10	<1	0.97	30	1.62	505	<1	0.04	13	740	6	<0.01	3	5	58
DUP		10	<1	1.00	30	1.67	517	<1	0.04	13	750	5	<0.01	3	5	60
	Target Range - Lower Bound	<10	<1	0.93	20	1.55	480	<1	0.03	11	700	3	<0.01	<2	4	55
	Upper Bound	20	2	1.04	40	1.74	542	2	0.05	15	790	8	0.02	4	6	63
ORIGINAL																
DUP																
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
	Target Range - Lower Bound															
	Upper Bound															
ORIGINAL																
DUP																
	Target Range - Lower Bound															
	Upper Bound															

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: **NEW GOLD INC. - RAINY RIVER PROJECT**
OPERATIONS
5967 HWY 11/71
EMO ON P0W 1E0

Finalized Date: 1-FEB-2019
Account: RRR

Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
1122008001																
DUP																
Target Range - Lower Bound																
Upper Bound																
V835538									0.06							
DUP									0.06							
Target Range - Lower Bound									0.05							
Upper Bound									0.07							
1122005206												9.2				
DUP												9.2				
Target Range - Lower Bound												8.6				
Upper Bound												9.8				
ORIGINAL		<20	0.17	<10	<10	58	<10	42								
DUP		<20	0.18	<10	<10	60	<10	43								
Target Range - Lower Bound		<20	0.16	<10	<10	55	<10	38								
Upper Bound		40	0.19	20	20	63	20	47								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
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Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	Au-AA23 Au g/t 0.005	Au-GRA21 Au g/t 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DUPLICATES																
ORIGINAL		0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	C-IR07 C % 0.01	S-IR08 S % 0.01	OA-VOL08 NP tCaCO3/1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 Ratio (N Unity 0.01	OA-VOL08 FIZZ RAT Unity 1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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To: **NEW GOLD INC. - RAINY RIVER PROJECT OPERATIONS**
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Finalized Date: 1-FEB-2019
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Project: Mine Site Lab Pulps Nov2018 V2

QC CERTIFICATE OF ANALYSIS TB19005962

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	LOG-23	LOG-QC	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-AA23	Au-GRA21	C-IR07	ME-ICP41
	OA-ELE07	OA-VOL08	S-IR08	