

**NEW GOLD RAINY RIVER MINE
APPENDIX K
WILDLIFE MORTALITY LOG**

Date	Location_Description	Wildlife Sighted	Number		Dead or Alive	Comments	Sighted_By	Hour	Minute	x	y
			Sighted	Behaviour							
1/4/2019	Wildlife exclosure fence	Grouse	1	dead	Dead	looks like it ran into the reptile barrier	Nathan Baird	11	30	423820.4	5413372
4/10/2019	Korpi Rd, 300 m from hwy 71	Deer	1	dead	Dead	hit by vehicle, reported to NG environment, removed next morning	Dave Spellman	19	0	432365.7	5411703
5/16/2019	Haul Rd 8	Deer	1	dead	Dead	hit by haul truck	Mark Davis	12	0	423612.7	5411673
5/18/2019	korpi rd	Deer	1	dead	Dead	hit by truck near korpi ld	Ben Mondher	12	0	431219	5411649
6/8/2019	Water Treatment Plant	Other	1	Chestnut sided warbler	Dead	found dead	Alexco	12	0	420628	5412383
6/18/2019	South side of edge on Korpi Road	Turtle	1	Dead	Dead	Painted Turtle was crushed	Amy Shute	16	45	427129.6	5411854
6/18/2019	Admin Building	Other	1	dead	Dead	Sora	Ben Mondher	9	30	426436.8	5410941
6/21/2019	Wildlife Exclusion Fence	Sandhill Crane	1	Dead	Dead	dead	Ken Angus	8	30	422535.5	5414562
7/30/2019	East end of Korpi	Crows	1	dead	Dead	dead	Nathan Baird	6	30	432623	5411686
7/30/2019	east access	Snake	1	dead	Dead	dead	nathan baird	14	30	429392.5	5412316
8/14/2019	Shoulder of road	Grouse	1	Dead	Dead		Kari Larson	11	22	428394.6	5412386
8/14/2019	Haul rd 3	Bear	1	dead	Dead	dead was captured and taken to the vet. Was deemed too injured and put down by vet	Mike Higgins	16	0	427240.6	5409767
11/4/2019	marr gate	Swan	1	appears to be injured	Dead	found dead by security on side of road with broken jaw. Trapper took possession of the carcass	Security	14	1	424811.3	5411808
12/27/2019	Korpi rd	Bobcat	1	dead	Dead		security	12	0	432012.6	5411682

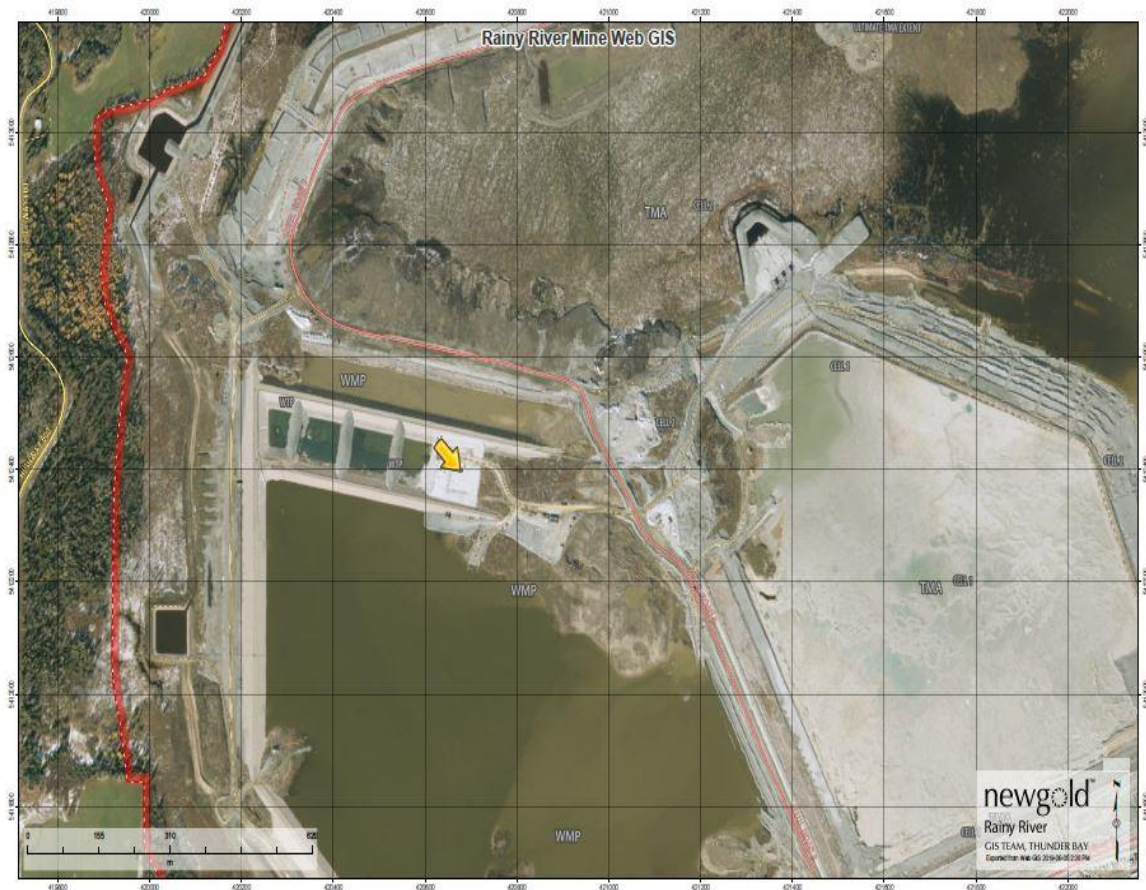
June 6, 2019

Melissa Hagmann.
Enforcement Officer
Environmental Enforcement Directorate
Enforcement Branch – Ontario Region
Environment Canada, 335 River Road
Ottawa Ontario, K1V 1C7
T-613-991-0568
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Dear Ms. Hagmann,

RE: Deceased Chestnut-sided Warbler

On June 2, 2019 at 1749 a deceased Chestnut-sided Warbler was discovered within the Water Treatment Plant which is currently under construction at the Tailings Management Area. (See photos below)





A contractor discovered the bird laying dead on the floor of the building and an assumption was made that it contacted some fans running on the ceiling. The doors of the building were open as construction is on going at the Water Treatment Plant but are closed whenever possible.

An email was sent to the site Environmental Manager shortly after the time of the incident and the bird was collected for identification.

As per public notice: allowing the possession of found dead migratory birds dated August 24, 2018, the Chestnut-sided Warbler will be submitted to the Canadian Wildlife Health Cooperative for analysis unless otherwise directed by June 10, 2019 1100 CST.

The following is a copy of the internal incident report form filled out by the contractor.

Wildlife Incident Report Form					
Date (yyyy-mm-dd):	2019-06-02	Time (24hr):	17:49	Weather:	Sunny 17
Observer(s):	Chris Mason		Contractor: Automation Now		
Name of Supervisor or Manager:	Peter Johnson				
Incident Reported To:	New Gold Environment Sylvie St Jean				
1. Incident Type					
<input type="checkbox"/> Vehicle Collision <input type="checkbox"/> Near Miss <input checked="" type="checkbox"/> Other: Dead Chestnut-sided Warbler found on the floor					
2. Incident Outcome					
<input checked="" type="checkbox"/> Mortality <input type="checkbox"/> Injury <input type="checkbox"/> Other:					
3. Incident Summary					
3.1. Location	Water Treatment plant in the Tailings area		UTMs	E:	N:
3.2. Species	Chestnut-sided Warbler		Number of Animals:	1	
3.3. Description of Incident and Outcome	A Chestnut sided Warbler was found on the floor behind the polymer tanks.				
	No one witnessed what happened to the bird however the building fans were running				
	It is suspected that the bird flew into the fan at some point.				
3.4. Could the Incident Have Been Avoided? (If yes, describe how)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
	If fan caused the mortality it could have been prevented by having them turned off				
	and having the doors closed. Fans were turned off and will remain off if the doors				
Need to be opened during construction					
4. Additional Comments					
Personnel were reminded to keep the doors closed when not required to be open and to leave fans off unless they					
Are absolutely needed.					

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Once you have had the opportunity to review this information please feel free to contact the undersigned or Sylvie St.Jean Environmental Manager (at Sylvie.St.Jean@newgold.com or 807-707-3497) with any additional questions.



Environmental Specialist –Wildlife

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Rainy River Project
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June 21, 2019

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Dear Ms. Hagmann,

RE: Deceased Sora

On June 18, 2019 at 0830 a deceased Sora was discovered in the parking lot between the Mine dry and the Admin building. (See on photo 1)



Photo 1. Site image with location marked out by bulls eye.



Photo 2. Deceased Sora with damage to head and neck.

A Sora was found dead in the parking lot with damage to its head and neck (Photo 2). The incident report stated that it is suspected the bird collided with a vehicle near the West Creek Pond and when the vehicle stopped the bird dropped off the vehicle.

We are not certain this incident occurred on the mine site as a Sora has never been observed on site, but it's habitat is nearby. The speed limit for the area around the Admin building is 20 km/h, indicating that this may not have happened at West Creek Pond. No one reported hitting a bird and no vehicle was nearby when the bird was discovered.

As per public notice: allowing the possession of found dead migratory birds dated August 24, 2018, the Sora will be submitted to the Canadian Wildlife Health Cooperative for analysis unless otherwise directed by June 28, 2019 1100 CST.

The following is a copy of the internal incident report form filled out by the person who discovered the Sora.

Wildlife Incident Report Form					
Date (yyyy-mm-dd):	2019-06-18	Time (24hr):	0930	Weather:	Sunny 17
Observer(s):	Ben Mondher		Contractor: New Gold		
Name of Supervisor or Manager:	Claude McKenzie				
Incident Reported To:	Nathan Baird New Gold Environmental Specialist				
1. Incident Type					
<input checked="" type="checkbox"/> Vehicle Collision (suspected) <input type="checkbox"/> Near Miss <input type="checkbox"/> Other:					
2. Incident Outcome					
<input checked="" type="checkbox"/> Mortality <input type="checkbox"/> Injury <input type="checkbox"/> Other:					
3. Incident Summary					
3.1. Location	Parking lot between Mine dry and Admin buildings		UTMs	E:	N:
3.2. Species	Sora		Number of Animals: 1		
3.3. Description of Incident and Outcome	<p>A Sora was found dead in the parking lot with damage to its head and neck. It is suspected the bird collided with a vehicle near the West Creek Pond and when the vehicle stopped the bird dropped off the vehicle</p>				
3.4. Could the Incident Have Been Avoided? (If yes, describe how)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
4. Additional Comments					
Speed limit in around Admin buildings recently lowered to 20 km/h.					
It is possible that incident did not occur on mine site and the Sora was transported here still on the vehicle.					
It is unknown who hit the Sora, only that their habitat is nearby.					

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Once you have had the opportunity to review this information please feel free to contact the undersigned or Sylvie St.Jean Environmental Manager (at Sylvie.St.Jean@newgold.com or 807-707-3497) with any additional questions.

Regards,



Environmental Specialist –Wildlife

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July 2, 2019

Melissa Hagmann.
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Dear Ms. Hagmann,

RE: Deceased Sandhill Crane

On June 21, 2019 at 0815 a Sandhill Crane was discovered deceased and entangled in the Wildlife Exclusion Fence (See photo 1).



Photo 1. Deceased Sandhill Crane entangled in fencing.

The following is a copy of the internal incident report form.

Wildlife Incident Report Form					
Date (yyyy-mm-dd):	2019-06-21	Time (24hr):	0815	Weather:	Sunny 17
Observer(s):	Ken Angus		Contractor: Trapper		
Name of Supervisor or Manager:	Nathan Baird				
Incident Reported To:	Nathan Baird New Gold Environmental Specialist				
1. Incident Type					
<input type="checkbox"/> Vehicle Collision <input type="checkbox"/> Near Miss <input checked="" type="checkbox"/> Other: Entanglement					
2. Incident Outcome					
<input checked="" type="checkbox"/> Mortality <input type="checkbox"/> Injury <input type="checkbox"/> Other:					
3. Incident Summary					
3.1. Location	Wildlife Exclusion Fence		UTMs	E:	N:
3.2. Species	Sandhill Crane		Number of Animals: 1		
3.3. Description of Incident and Outcome	A Sandhill Crane was discovered entangled in the Wildlife Exclusion Fence some time				
	Between June 7 th and June 21 st and likely died of exhaustion.				
3.4. Could the Incident Have Been Avoided? (If yes, describe how)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
	Since no one was around when this happened it hard to say how it could be avoided				
4. Additional Comments					
The Wildlife Exclusion Fence is basically an 8 foot high page wire fence and is patrolled at least twice a month.					
If further incidents occur mitigation efforts will be made, such as the installation of reflective tape on long the top of the fence.					

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To summarize, a Sandhill Crane was found entangled and deceased in the Wildlife Exclusion Fence. It is unknown how this happened as Sandhill Cranes are not often observed attempting to roost on a fence, possibly wind was a factor.

We will continue to patrol the fence and if other similar incidents occur, mitigation efforts will be explored.

The crane was in an advancing state of decomposition and was not kept for analysis. It was buried on site.

Once you have had the opportunity to review this information please feel free to contact the undersigned or Sylvie St.Jean Environmental Manager (at Sylvie.St.Jean@newgold.com or 807-707-3497) with any additional questions.

Regards,



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Email: Nathan.Baird@newgold.com

July 19, 2019

Jonelle St-Onge
Compliance and Enforcement Officer
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Dear Ms. St-Onge,

RE: Deceased White-tailed Deer Fawn

On July 12th, 2019 at 0705 a deceased White-tailed Deer Fawn was discovered entangled in the Wildlife Exclusion Fence. (See photo 1 below)



The Wildlife Exclusion Fence is over 14 kilometers long and not visible along its entirety. The services of a trapper are retained by New Gold. As part of his normal duties he patrols the fence to keep incidents like this from happening and ensure the fence is in good repair. His assessment of the tracks in the area led to the conclusion that a black bear had chased the fawn into and through the fence, which caused it to become entangled and die of exhaustion.

The following is a copy of the internal incident report form.

Wildlife Incident Report Form					
Date (yyyy-mm-dd):	2019-07-12	Time (24hr):	0705	Weather:	Sunny 17
Observer(s):	Ken Angus		Contractor: Trapper		
Name of Supervisor or Manager:	Nathan Baird				
Incident Reported To:	Nathan Baird New Gold Environmental Specialist				
1. Incident Type					
<input type="checkbox"/> Vehicle Collision <input type="checkbox"/> Near Miss <input checked="" type="checkbox"/> Other: Entanglement					
2. Incident Outcome					
<input checked="" type="checkbox"/> Mortality <input type="checkbox"/> Injury <input type="checkbox"/> Other:					
3. Incident Summary					
3.1. Location	Wildlife Exclusion Fence		UTMs	E:	N:
3.2. Species	Deer		Number of Animals:	1	
3.3. Description of Incident and Outcome	<p>A Deer fawn was discovered entangled in the Wildlife Exclusion Fence and likely died of exhaustion. The tracks in the mud around the area lead the trapper to come the conclusion that a bear chased the fawn from the outside into the fence where it became entangled.</p>				
3.4. Could the Incident Have Been Avoided? (If yes, describe how)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <p>Since no one was around when this happened it hard to say how it could be avoided</p>				
4. Additional Comments					
The Wildlife Exclusion Fence is basically an 8 foot high page wire fence and is patrolled at least twice a month.					

The Wildlife Exclusion Fence was erected to satisfy federal EA condition 8.5.1, which states; "maintain a fence around the tailings management area to prevent access by wildlife"

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It was built out of standard gap page wire and stands 8 feet in height with 2 feet of reptile barrier along to bottom. It is not uncommon for White-tailed deer to become entangled in this type of fencing when used to control livestock.

Should further incidents occur patrols may be increased and other options may also be explored.

Once you have had the opportunity to review this information please feel free to contact the undersigned or Sylvie St.Jean Environmental Manager (at Sylvie.St.Jean@newgold.com or 807-707-3497) with any additional questions.



Environmental Specialist -Wildlife

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