



Upper Lillooet Hydro Project

Weekly Environmental Monitoring Report #56

Reporting Period: April 5 – April 11, 2015

Upper Lillooet River Hydroelectric Facility (Water File No. 2002561, Water licence No. C130613), Boulder Creek Hydroelectric Facility (Water File No. 2003049, Water licence No. C129969) & Transmission Line

Distribution List		Prepared By
Name	Organization	
Murray Manson	Fisheries and Oceans Canada	 <p>J. Alex Sartori, RPBio <i>Independent Environmental Monitor (IEM)</i></p>  <p>J. Stephen Sims, RPBio <i>Delegated IEM</i></p>
James Davies	MFLNRO – Water Allocation	
Danielle Cunningham	MFLNRO – Land and Resources	
Frank DeGagne	MFLNRO – Land and Resources	
Nathan Braun	BC Environmental Assessment Office	
George Steeves	True North Energy – Independent Engineer	
Jennifer McCash	JEM Energy Ltd. – Independent Engineer	
Thomas Hicks	Sartori Environmental Services	
Peter Ramsden	Innergex Renewable Energy Inc.	
Oliver Robson	Innergex Renewable Energy Inc.	
Grant Lindemulder	Innergex Renewable Energy Inc.	
Greg Davis	Innergex Renewable Energy Inc.	
Julia Mancinelli	Innergex Renewable Energy Inc.	
Liz Scroggins	Innergex Renewable Energy Inc.	
Bas Brusche	Innergex Renewable Energy Inc.	
Matt Kennedy	Innergex Renewable Energy Inc.	
Renaud DeBatz	Innergex Renewable Energy Inc.	
Richard Blanchet	Innergex Renewable Energy Inc.	
Dara McDermott	Innergex Renewable Energy Inc.	
Yannick Tardif	CRT-ebc Construction Inc.	
Jonathan Drapeau	CRT-ebc Construction Inc.	
Éric Ayotte	CRT-ebc Construction Inc.	
Jean Pelletier	CRT-ebc Construction Inc.	
Jordan Gagne	CRT-ebc Construction Inc.	
Ian McKeachie	CRT-ebc Construction Inc.	
D’Arcy Soutar	Westpark Electric Ltd.	
Pontus Lindgren	Westpark Electric Ltd.	
Harriet VanWart	Lil’wat Nation	

Owner Construction Permits and Approvals

Environmental Assessment Certificate No. E13-01 (Amendment 1, 2, 3, 4, 5 & 6)
 Fisheries Act Subsection 35(2)(b) Authorization No. 09-HPAC-PA2-000303 (Amendment 1, 2)
 Letter of Advice for the Transmission Line No. 09-HPAC0-PA2-000303
 Leave To Commence Construction (ULRHEF) File No. 2002561
 Leave To Commence Construction (BDRHEF) File No. 2002453
 Leave To Commence Construction (TX Line) File No. 2002561/2002453
 Conditional Water Licence (ULRHEF C130613) File No. 2002561
 Conditional Water Licence (BDRHEF C129969) File No. 2002453
 Conditional Water Licence (BDRHEF C131153) File No. 2003601
 Licence of Occupation (ULRHEF #232384) File No. 2409871
 Licence of Occupation (BDRHEF #232386) File No. 2409998
 Licence of Occupation (TX Line #2423386) File No. 2410654
 Occupant Licence to Cut (ULRHEF Amendments 1, 2, 3, 4, 5, 6) No. L49717
 Occupant Licence to Cut (BDRHEF – KM 38 laydown) No. L49698
 Occupant Licence to Cut (BDRHEF Amendments 1, 2, 3) No. L49816
 Occupant Licence to Cut (TX Line Amendment 1, 2, 3, 4, 5, 6, 7, 8) No. L49697
 General Wildlife Measure Exemption Approval Letter (TX Line & BDRHEF) File No. 78700-35/06 UWR and 39585-20 WHA
 Heritage Conservation Act – Alteration Permit (ULRHEF) File No. 11200-03/2014-0033
 Road Use Permit No. 6123-13-02 (Lillooet River FSR); 5673-13-01 (Rutherford Creek FSR); 7977-13-01 (Lillooet South FSR); 8015-13-01 (Ryan River); 8188-13-01 (Pemberton Creek FSR); and 9717-13-01 (Miller Bench FSR)
 Junction Permit (ULRHEF & BDRHEF) File No. 11250-32/6123 (Amendment 1)
 Aeronautical Obstruction Approval (Tx Line - Lillooet River Crossing) File No. 2013-004
 Aeronautical Obstruction Approval (Tx Line - Ryan River) File No. 2013-005
 Aeronautical Obstruction Approval (Tx Line - North Miller) File No. 2013-006
 Aeronautical Obstruction Approval (Tx Line - South Miller) File No. 2013-007
 Aeronautical Obstruction Approval (Tx Line - Pemberton Creek) File No. 2013-008
 Aeronautical Obstruction Approval (Tx Line - Lillooet River near Pemberton) File No. 2013-009
 Aeronautical Obstruction Approval (Tx Line - Lillooet River near Meager Creek) File No. 2013-010
 Navigable Water Protection Act (ULRHEF) File No. 8200-2009-500434-001
 Navigable Water Protection Act (BDRHEF) File No. 8200-2012-501-032-001
 Navigable Water Protection Act (Tx Line – North Creek) File No. 8200-2013-500103-001
 Navigable Water Protection Act (Tx Line – Lillooet River) File No. 8200-2013-500101-001
 Navigable Water Protection Act (Tx Line – Lillooet River) File No. 8200-2013-500102-01
 Navigable Water Protection Act (Tx Line – Ryan River) File No. 8200-2013-500104-001
 Navigable Water Protection Act (Tx Line – South Miller River) File No. 8200-2013-500100-001
 Navigable Water Protection Act (Tx Line – Boulder Creek) File No. 8200-2013-500099-001
 Navigable Water Protection Act – Extension Approval (ULRHEF, BDRHEF, Tx Line)
 Navigable Water Protection Act (Bridge – Ryan River) File No. 8200-2013-500381
 Navigable Water Protection Act (Bridge – Upper Lillooet Side Channel; Extension Approval) File No. 8200-2013-500383
 Section 57 Authorization (ULRHEF) File No. 16660-20/REC202717
 SLRD Temporary Use Permit No. 34 – Boulder Creek HEF
 SLRD Temporary Use Permit No. 35 – Upper Lillooet River HEF
 SLRD Building Permit (10864) – Upper Lillooet River HEF Powerhouse
 SLRD Building Permit (10865) – Boulder Creek HEF Powerhouse
 Works Permit for Construction within FSR Right-of-Way No. 6123-14-01
 Section 52(1)(b) FRPA Authorization for Ryan River Wet Crossing File No. FOR-19400-01/2014
 MOTI Permit to Construct, Use and Maintain Works Upon the Right-Of-Way of a Provincial Public Highway No. 2014-06099

Contractor Construction Permits and Approvals

Magazine Licence File No. UL76018
 Section 8 Approval – Short Term Use of Water File (Lillooet River and Tributaries) No. A2006123 (Amendment 1)
 Waste Discharge under the Code of Practice for the Concrete and Concrete Products Industry under the Environmental
 Management Act (Authorization No. 107204) Tracking No. 326969
 Wildlife Act Permits – Pacific Tailed Frog Salvage Permit # SU15-164805 & Fish Salvage Permit #SU14-95329
 Section 52 of the Fisheries (General) Regulations – Fish Salvage Licence # XR 139 2014
 BC Safety Authority – Temporary Construction Electrical Service Permit EL-140698-2014
 Municipal Wastewater Regulation - Authorization # 107032
 Water Supply System Construction Permits – VCH-14-613 for Main Camp
 Water Supply System Permit to Operate Issued July 30th, 2014 for Main Camp
 Section 6(3) and Schedule 3 Wildfire Regulations Fire Exemption for Ryan River Bridge File No. 14350-07
 SLRD Building Inspection Report dated August 13, 2014 - Construction Camp Building Permit No. 10830
 Lillooet River FSR Temporary Road Closures Approval File No. 11250-32/6123 (Amendment 1, 2)
 Lillooet South FSR Temporary Road Closures Approval File No. 11250-32/7977

ACRONYMS:

AMBNS	Active Migratory Bird Nesting Survey	ISW	Instream Works
ASMP	Archaeological Sites Management Plan	ITM	Environmental Issue Tracking Matrix
ARD M/L	Acid Rock Drainage and Metal Leaching	JEM	JEM Energy Ltd. (Delegate Independent Engineer)
BCEAO	British Columbia Environmental Assessment Office	LTC	Leave to Construct
BCWQG	British Columbia Water Quality Guidelines	MFLNRO	Ministry of Forests, Lands and Natural Resource Operations
BDRHEF	Boulder Creek Hydroelectric Facility	MOE	Ministry of Environment
BG	Background	MOTI	Ministry of Transportation and Infrastructure
BKL	BKL Consultants Ltd.	NCD	Non Classified Drainage
CE	CRT-ebc Construction Inc.	OLTC	Occupational License to Cut
DFO	Fisheries and Oceans Canada	PAG	Potentially Acid Generating
DS	Downstream	ROW	Right of Way
EAC	Environmental Assessment Certificate	RVMA	Riparian Vegetation Management Area
EAO	Environmental Assessment Office	SES	Sartori Environmental Services
Ecofish	Ecofish Research Ltd.	Stringer Line	Temporary Backfeed Transmission Line
Ecologic	Ecologic Consulting	TX Line	Transmission Line
EIR	Environmental Incident Report	ULRHEF	Upper Lillooet Hydroelectric Facility
ESC	Erosion and Sediment Control	UWR	Ungulate Winter Range
FAM	Field Advice Memorandum	VC	Valued Component
FSR	Forest Service Road	WEL	Westpark Electric Ltd.
GWR	Mountain Goat Winter Range	WEMR	Weekly Environmental Monitoring Report
Hedberg	Hedberg and Associates Ltd.	WHA	Wildlife Habitat Area
IE	Independent Engineer (True North Energy)	WQ	Water Quality
IEM	Independent Environmental Monitor		
INX	Innergex Renewable Energy Inc.		

1.0 Summary of Site Inspections for Reporting Period

The table presented below summarizes the IEM team site presence, weather and monitoring locations by component:

Dates	IEM Team Personnel	Weather Conditions	Key Monitoring Locations & Activities
April 5 – April 11	TH, BA	Mainly sunny with periods of rain on April 10-11	<p>ULRHEF & BDRHEF</p> <ul style="list-style-type: none"> • Routine equipment maintenance and repairs completed at the 38km laydown shop location • Maintaining electric fence, gates, and electrified mats • Formwork and rebar installation at the ULRHEF powerhouse • Formwork, rebar installation and backfill works at the BDRHEF powerhouse • Road maintenance on Lillooet River FSR from 18 – 37km • The IEM conducted a site inspection on April 8 <p>TX Line</p> <ul style="list-style-type: none"> • Segment 1 <ul style="list-style-type: none"> ➢ Grubbing and levelling for temporary generator site near 39km of Lillooet River FSR • Segments 8 and 9 <ul style="list-style-type: none"> ➢ Road works on road 197.2 continued with ballasting and pullback above Black’s Bridge ➢ RVMA ground preparation at structure 193 - IEM was onsite to monitor works ➢ Hand digging (including blasting) from structures 199 -201 ➢ Machine digging (including blasting) at structures 182 and 200 ➢ Pole setting, framing and plumbing from structure 182 - 202 • Segment 9 <ul style="list-style-type: none"> ➢ Helicopter access clearing continued • Segment 12 <ul style="list-style-type: none"> ➢ Miller Bench FSR road upgrades continued • Segment 13 <ul style="list-style-type: none"> ➢ Hand falling from structure 319-321 • Segment 16 <ul style="list-style-type: none"> ➢ Spur road construction, hoe chucking and log decking

IEM Team Personnel: TH – Tom Hicks, BA – Blake Aleksich

2.0 Administrative Summary

Key communications and meetings the IEM team had with the licensees, contractors and/or environmental authorities:

Date	Communication Type	Participants	Issues Discussed	ITM ID No.
April 6, 2015	Email	INX, SES, WEL, Mumleqs	WEL distributed updated RVMA clearing prescription table.	-
April 6 – 7, 2015	Email	INX, SES, WEL	SES reviewed, commented, and subsequently approved the Temporary Diesel Genset Installation Work Plan. The temporary genset is to be located in Segment 2 near 39km on the Lillooet River FSR. SES highlighted the need to comply with the Human-Wildlife Interaction Management Plan	-

Date	Communication Type	Participants	Issues Discussed	ITM ID No.
			(confirm works are 500m from Grizzly Bear polygon BDR-GB04) and the Spill Prevention and Emergency Response Plan (secondary containment, spill kits, inspections, etc.). The plan was confirmed to comply with all environmental restrictions and requirements.	
April 7, 2015	<i>Meeting</i>	INX, SES, Ecofish, Ecologic, MFLNRO, MOE	ULHP Regional Grizzly Bear Program Update meeting was held to obtain an update from MOE and MFLNRO on the results of the 2014 Regional Grizzly Bear Monitoring Program, 2015 field work associated with the regional and Upper Lillooet monitoring programs (collaring and hair snag stations) and grizzly bear movement in relation to field verified Class 1 and 2 forage habitat as well as to discuss successful implementation of human-bear mitigation measures on site.	-
April 7, 2015	<i>Meeting</i>	INX, SES, Ecofish, Ecologic	To review the recommendations in the Ecofish and Sartori Mountain Goat Memos summarizing the results of the Fall 2013 to Fall 2014 effectiveness, field and noise monitoring programs and how best to implement them in 2015. In addition, we discussed the details of adding track surveys to the field monitoring program.	-
April 8, 2015	<i>Email</i>	SES, WEL, INX	WEL sent SES information on the seed mixture to be used for revegetation works on the TX Line ROW. SES confirmed the seed mixture to be appropriate and recommended the spreading of organics and coarse woody debris to promote natural revegetation.	-
	<i>Email</i>	INX, SES, Ecofish	Ecofish sent an update on the status and results of the wildlife cameras installed in the Mountain Goat migration corridor near the ULRHEF downstream tunnel portal and Truckwash Creek.	-
April 9, 2015	<i>Meeting</i>	INX, SES, CE	INX and SES discussed their comments with CE on their draft Reclamation & Revegetation and what approach should be taken in the next revision of the plans.	-
April 9, 2015	<i>Field communication and email</i>	SES, WEL, INX	Warm weather conditions and bird activity observed in the field prompted SES and WEL to discuss the initiation of bird nest surveys prior to the May 1 window suggested in the CEMP. Assessment bird nest surveys were scheduled to begin April 13.	-
April 10, 2015	<i>Email</i>	INX, EAO, MOE, CO	INX formally submitted their response to BCEAO providing documentation showing compliance with the CEMP pertaining to the Human-Bear Conflict Management Plan and the firearms ban at the ULHP Site. A meeting has been arranged with BCEAO on April 13, 2015 to review the submission.	-

3.0 Current Work Restrictions and Timing Windows

The table presented below outlines work restrictions applicable during the reporting period for each active Project component location:

Component	Location	Wildlife/Archeology Concern	Construction/Timing Restrictions & Mitigations
TX Line	Segments 6 – 12	Within 150m of wetlands or 100m of Coastal Tailed Frog Streams	IEM presence is required when clearing within 150m of wetlands or 100m of CTF Streams, to ensure clearing area is minimized.
		Riparian Vegetation Management Areas (RVMA)	IEM monitoring is required during clearing within RVMAs.
		Surface Water Quality	IEM monitoring is required during culvert installation activities in non-fish bearing waters to document adherence to the Surface Water Quality Protection Plan objectives.
		Suitable Raptor Nesting Habitat	IEM presence is required when clearing within suitable Northern Goshawk (NOGO) and SPOW (Spotted Owl) nesting habitat during the breeding period.
		Suitable Class 1 & 2 Grizzly Bear forage habitat	IEM monitoring is required when clearing within identified Class 1 & 2 Grizzly Bear forage habitat, to ensure clearing area is minimized.
		Wildlife Habitat Area (WHA) 2-399	Construction of the transmission line within the Grizzly Bear WHA 2-399 must be construction outside of April 1 to June 1 and October 15 to December 31 to minimize disturbance to Grizzly Bears expected to use the WHA during spring and fall.
		Ryan River Drainage	Construction of the TX Line into and across the Ryan River drainage will occur during the less critical Grizzly Bear summer foraging period (June 1 – September 1)
		Moose, Deer, & Mountain Goat UWRs	Helicopter flight paths will avoid UWRs and landing locations will be located further than 500m away from the UWRs during the sensitive late winter period (March 1 – May 15).
Lillooet River FSR & ULRHEF	Access roads above the lower limit of the 200m buffer Truckwash Creek Migration Corridor to the ULRHEF intake	Mountain Goat UWR	<p>Snow depths measured on March 25, 2015 resulted in the implementation of the 2 week spring shutdown as detailed in the Mountain Goat Management Plan. The spring shutdown was lifted on April 8, 2015. Additional information is provided in Section 8.0.</p> <p>If a goat is observed within 500 m of construction operations, construction must cease for at least 48 hours. The IEM must record and submit all goat observations to FLNR within 48 hours.</p>

Component	Location	Wildlife/Archeology Concern	Construction/Timing Restrictions & Mitigations
ULRHEF & BDRHEF	ULRHEF work areas above the powerhouse (beyond 41.5km of the Lillooet River FSR) & BDRHEF intake	Wolverine den emergence	Construction will not occur beyond 41.5km of the Lillooet River FSR or above the BDRHEF intake access road gate from March 1 – April 30 during the critical den emergence period.
	BDRHEF intake	Mountain Goat UWR habitat (u-2-002 UL 12)	During winter construction and operations, access to Boulder Creek HEF intake must be gated at least 500 m from the original UWR u-2-002 UL 12 to restrict motorized use within the UWR, unless otherwise directed by FLNR.

4.0 Upper Lillooet River Hydroelectric Facility & Boulder Creek Hydroelectric Facility – Monitoring Results

4.1 Construction Camp, 38 km Laydown & Lillooet River FSR

Operations:

- The electric fence was fully operational and clear of snow throughout the reporting period as identified in CE weekly reports provided to the IEM.
- Routine maintenance of construction equipment within the mechanic shop and fuel management continued at the 38km laydown.
- Spring road maintenance continued on the Lillooet River FSR from 18 – 37km by the Primary Road Use Permit holder (Squamish Mills).

Environmental Summary:

- CE performed daily inspections of the electric fence and fuel storage areas.

4.2 Upper Lillooet River HEF Powerhouse

Construction Activities:

- Formwork and rebar installation (Photo 1).
- Backfill works.
- Dewatering to settling ponds (Photo 2).

Environmental Summary:

- No environmental issues were observed during this reporting period.

Photos:



Photo 1 – Formwork installation at ULRHEF powerhouse (April 8, 2015).



Photo 2 – Current condition of ULRHEF settling ponds (April 8, 2015).

4.3 ***Boulder Creek HEF Powerhouse***

Construction Activities:

- Formwork, rebar installation and backfill works (Photo 3).
- Tunnel portal dewatering to oil water separator and settling ponds (Photo 4, Photo 5 and Photo 6).

Environmental Summary:

- All dewatering of the powerhouse excavation and tunnel was directed to the reconstructed settling ponds (Photo 5 and Photo 6). All water introduced to the settling ponds was observed to be infiltrating to ground in the first cell of the ponds throughout this reporting period.

Photos:



Photo 3 – Current conditions at BDRHEF powerhouse (April 8, 2015).



Photo 4 – BDRHEF tunnel discharge catchment and pump inlet (April 8, 2015).



Photo 5 – Oil water separator discharging to settling ponds (April 8, 2015).



Photo 6 – BDRHEF powerhouse settling ponds; water infiltrating to ground in first cell (April 8, 2015).

4.4 *Water Quality Results*

Weekly water quality monitoring at the ULRHEF and BDRHEF intakes will resume the week of May 1, 2015 once access to the sites are open. Water quality will continue to be monitored at the ULRHEF and BDRHEF powerhouse sites to ensure site discharge meets surface water quality objectives.

4.5 *Recommendations*

IEM recommendations for the hydroelectric facilities are as follows:

- The IEM recommends that the BDRHEF and ULRHEF sediment ponds continue to be utilized and are closely monitored to ensure that they are effectively promoting infiltration/ and treating water quality prior to discharging water offsite.
- Once the ULRHEF and BDRHEF intake sites can be accessed the IEM recommends that the effectiveness of installed winterization and ESC measures be assessed to ensure that regular maintenance is performed as needed.

4.6 *Upcoming Works*

The following construction activities are scheduled to occur the in the upcoming reporting period(s):

- Rebar and formwork installation, and concrete pours at the ULRHEF and BDRHEF powerhouses are scheduled to occur in the upcoming reporting period.
- Road maintenance on the Lillooet River FSR is scheduled to continue.

5.0 Transmission Line – Monitoring Results

5.1 Transmission Line Construction Activities

Clearing, Existing Road Upgrades and Access Road Construction:

- Grubbing and levelling for temporary generator site in Segment 2 near 39km of the Lillooet River FSR (Photo 7).
- Road upgrades continued in Segment 8 on road 197.2 with ballasting, pullback and a dry culvert installation near Black's Bridge (Photo 8).
- RVMA clearing was completed by hand falling crews accessing the sites by helicopter in Segment 9.
- Road upgrades (including dry culvert installations) continued in Segment 12 on Miller Bench FSR.
- Hand falling in Segment 13 from structure 319 – 321 (Photo 9).
- Spur road construction, hoe chucking and log decking in Segment 16 (Photo 10).

Transmission Line Pole Installation, Line Stringing and Clipping:

- Ground works for pole foundations (including hand digging, machine digging and blasting) were completed in Segment 8 and 9 from structure 188 – 201.
- Pole setting with helicopter, framing and plumbing in Segment 8 and 9 from structures 182 – 202 (Photo 11).
- RVMA machine digging at structure 193 (Photo 12 and Photo 13).

Environmental Summary:

- On April 7, 8 and 9 the IEM was onsite in Segment 8 to monitor machine works in the RVMA surrounding structure 193 (Photo 12 and Photo 13). The IEM reviewed the site conditions with crews prior to works to ensure the ground conditions were suitable. The surrounding watercourses had low flow and the weather conditions were dry for the three days of work. The IEM confirmed that synthetic biodegradable hydraulic oil was used in the small excavator and a spill kit barrel was on hand for the duration of works. Following the completion of works the IEM inspected the area to ensure it was fully stabilized for erosion and sediment control. The IEM conducted water quality sampling in stream 194A and 192B during works. See Section 5.2 Water Quality Results.

Photos:



Photo 7 – Levelling of temporary generator site in Segment 1 (April 8, 2015).



Photo 8 - Dry culvert installation on road 197.2 (April 8, 2015).



Photo 9 – Hand falling completed near structure 319 (April 8, 2015).



Photo 10 – Spur road construction in segment 16 (April 9, 2015).

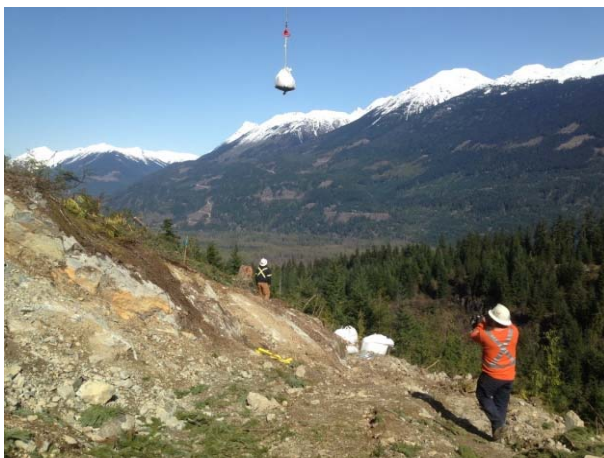


Photo 11 – Helicopter dropping gravel for pole setting at structure 191 (April 8, 2015).



Photo 12 – Machine works in RVMA near pole 193, spill kit onsite (April 7, 2015).



Photo 13 – RVMA near structure 193 following completion of works, anchor in foreground (April 9, 2015).

5.2 Water Quality Results

The following table presents the results of water quality sampling collected during TX - Line water management activities according to the conditions outlined in the Surface Water Quality Protection Plan. Exceedances of in-situ water quality (turbidity) deemed to be caused by project-related activities are highlighted in bold font and are discussed above in Section 5.1.

Date	Time	Sample Location Description	pH	Turbidity (NTU)	Cond (uS)	Temp (°C)
Segment 8 – RVMA machine digging near structure 193						
April 7, 2015	12:10	Background in S6 tributary to 194A	-	0.71	-	-
	12:30	5m Downstream of works in tributary	-	0.85	-	-
	13:00	5m Downstream of works in tributary	-	0.61	-	-
	14:00	5m Downstream of works in tributary	-	0.98	-	-

5.3 Recommendations

- The IEM recommends all access roads be inspected to assess any slope failures or drainage/erosion concerns that have resulted from recent heavy rains and rain on snow events.

5.4 Upcoming Works

The following new and/or environmentally sensitive construction activities are scheduled to occur along the TX Line in the upcoming reporting period(s):

- Segment 8 road works will continue.
- Ground works for pole installation will continue in Segment 8 and 9 including RVMA ground works at structure 193.
- Clearing of the Segment 9 ROW will continue.

- Road upgrades and repairs in Segment 12 on the Miller Bench FSR are scheduled to continue.
- Clearing of the Segment 13 ROW will begin once the clearing plan is finalized.
- Log decking and hoe chucking will commence in Segment 16.

6.0 Wildlife Sightings

As per the CEMP, a wildlife sightings record has been implemented and will be updated regularly by Project Personnel. It is mandatory for all personnel to report wildlife sightings including, but not limited to bears, cougars, mountain goats and deer. Wildlife sighting will be reported and recorded by the contractor(s) and submitted to the IEM on a weekly basis. Observation or detection of the following species will trigger notification to identified parties according to the following table.

Species Observed or Detected	Notification Period	Agencies to be Notified
Northern Rubber Boa	Immediately	IEM, Owner
Grizzly Bear	24hrs	IEM, Safety Officer, Conservation Officer, Owner
Wolverine Den	24hrs	IEM, MFLNRO, Owner
Spotted Owls	24hrs	IEM, MOE, Owner
Mountain Goats	48hrs	IEM, MFLNRO, Owner

7.0 Mountain Goat Monitoring Program

Mountain Goat monitoring will resume in the spring of 2015, once construction activities resume. The two-week spring shutdown was lifted on April 8, 2015.

8.0 Environmental Issues Tracking Matrix (ITM)

8.1 Hydroelectric Facilities (ULRHEF & BDRHEF)

ITM Tracking Legend:		Work Item Open					
		Work Item Complete					
		Issue Closed					
Issue Tracking		Environmental Issue		Mitigation Measures			
ID No.	Status	Location	Issue Description	Action Taken/Recommended	Date of Identification	Targeted Date for Completion	Date Completed
<i>next ITM – ULR#23</i>							

8.2 Transmission Line

ITM Tracking Legend:		Work Item Open					
		Work Item Complete					
		Issue Closed					
Issue Tracking		Environmental Issue		Mitigation Measures			
ID No.	Status	Location	Issue Description	Action Taken/Recommended	Date of Identification	Targeted Date for Completion	Date Completed
<i>next ITM – Tx#3</i>							