



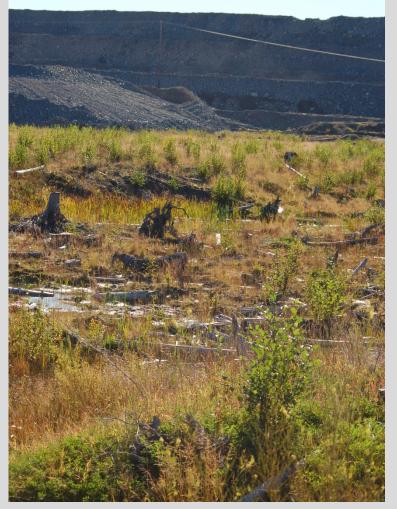
Mount Polley – Public Liaison Committee Meeting

October 7, 2020

Public Liaison Committee Meeting



- Roll Call
- Additions to the Agenda
- Approval of Agenda
- MPMC Discussion Items
- Roundtable Discussion
- PLC Questions/Comments
- Next meeting



Vegetation at Polley Flats, Sept. 29, 2020

Additions to the Agenda



- Are there any additions to the agenda?
- Approval of agenda



Discussion Topics



- Care and maintenance update
- COVID-19 Update
- PLC Membership Review
- Environmental Monitoring Update
 - CEMP sample site changes
- Discharge/WTP Update
- Water Management Update
- Remediation Update
- Exploration Update
- ENV/EMPR Discussion
 - Review EMA Permit 11678 Inspection Warning Letter



Edney Creek HRWG Tour, September 29, 2020

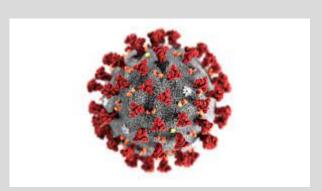


Edney Creek High Flow Bypass, October 1, 2020

COVID-19 Update



- Care and maintenance activities are ongoing, and all employees are still reporting to work.
- As of March 19 all personnel at the mine site must:
 - practice social distancing
 - frequently wash hands
 - Practice safe sneeze/cough etiquette
 - wear face mask while in vehicle with others
 - must stay home if feeling sick.
 - keep hands away from eyes, nose and mouth
 - Keep work areas and tools clean and hygienic
- Everyone must fill out a COVID-19 questionnaire prior to entering the site and will be turned away if showing symptoms of illness.
- Room occupancy limits and additional cleaning requirements have been implemented



PLC Membership Review



We have vacant seats on the committee, should we fill them?

	_		1
Member Organization	Seats	Name	
BC Ministry of Indigenous Relations and Reconciliation	1	Vacant	
BC Ministry of Agriculture*	1	Vacant	
BC Ministry of Environment and Climate Change Strategy (ENV)	2	Carol Danyluk, Alan Gibson, Abhirosh Chandran	
BC Ministry of Energy and Mines and Petroleum Resources	1	Sean Shaw ? Lowell Constable?	
BC Ministry of Forests, Lands and Natural Resource Operations	1	Vacant	
BC Ministry of Transportation and Infrastructure	1	Vacant	
Interior Health Authority*	1	Vacant	
Environment and Climate Change Canada*	1	Vacant	
Department of Fisheries and Oceans Canada*	1	Vacant	
Soda Creek Indian Band	1	Edna Boston, Mike Stinson	
Williams Lake Indian Band	1	Aaron Higgenbottom	
Mount Polley Mining Corporation	2	Gabriel Holmes, Dale Reimer, Matt O'Leary, Don Parsons (Imperial Metals), Lyn Anglin (Anglin and Associates), Alicia Lalonde (DWB Consulting)	
University of Northern British Columbia	1	Vacant	
Cariboo Regional District	1	Maureen Lebourdais	
Environmental Advocacy Group	2	Christine Mclean (Concerned Citizens of Quesnel Lake), 1 seat vacant	
Local communities ¹ - Community Member	1 each	Doug Watt (Likely), Steve Hocqard (Horsefly), Richard Holmes (Little Lake), Mickey McIntosh (Likely), Bill Carruthers (Williams Lake)	8 Members Tota
Local communities -Business Member	1 each	Bee Hooker (Big Lake), Claudine Kadonaga (Likely), Linda Barsch (Horsefly)	8 Members Tota
Local communities - Government Member	1 each	Jackie Sarginson, Walt Cobb	8 Members Tota
Local communities - Chamber of Commerce Member	1 each	Lisa Kraus, Jaylyn Bayer	8 Members Tota
United Steel Workers	1	Vacant	
MPMC Employee Representative	1	Vacant	
The Interested Public (if determined by the membership of the PLC	1		
that additional representation of the public is needed)		Vacant	

^{*} These members will be invited to PLC meetings when there ae topics relevant to their mandates to discuss

¹ Local communities are defined in the Definitions section - 150 Mile House, Big Lake, Horsefly, Likely, Mitchell Bay, Morehead, Little Lake, Williams Lake

Care and Maintenance Update

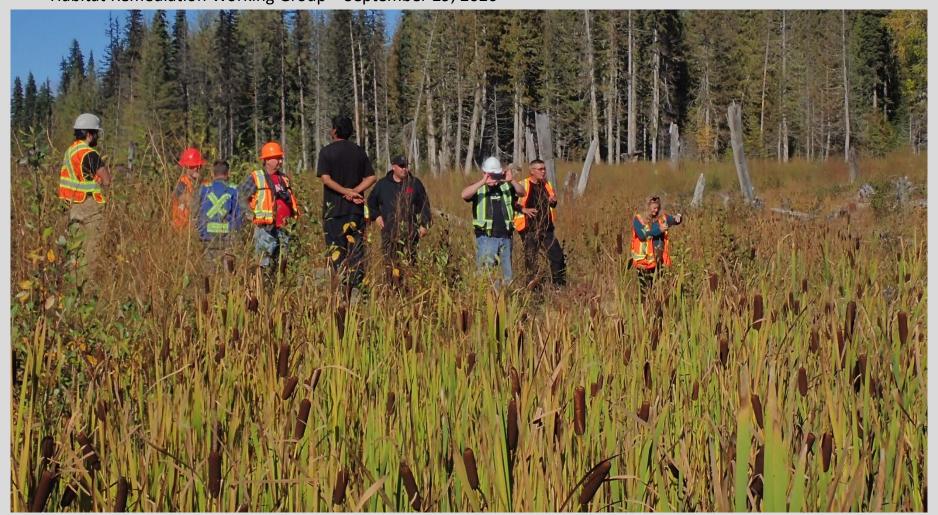




Site Tours

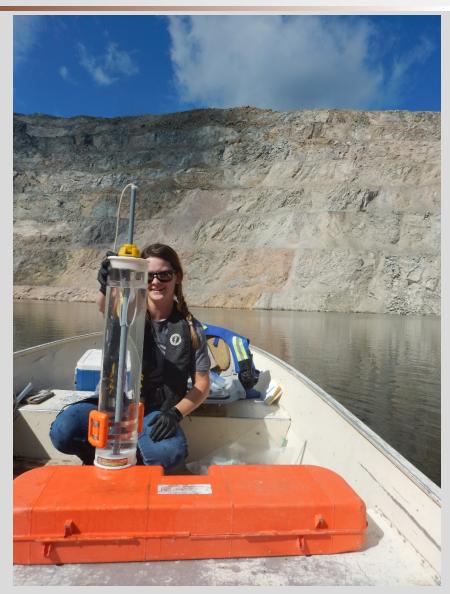


- Community Meeting August 26, 2020
- Habitat Remediation Working Group September 29, 2020



HRWG tour Sept. 29, 2020





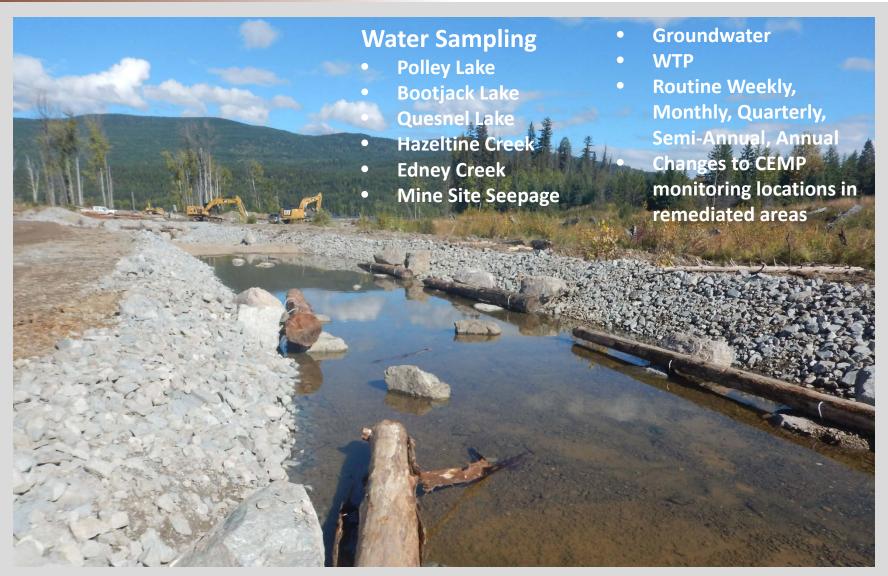
Cariboo Pit Lake Sampling, August 13, 2020

Water Sampling
Surveys and Studies
Sump and Ditch Inspections
Seep Surveys
Flow Monitoring
Wildlife observation
Construction Monitoring
Reporting



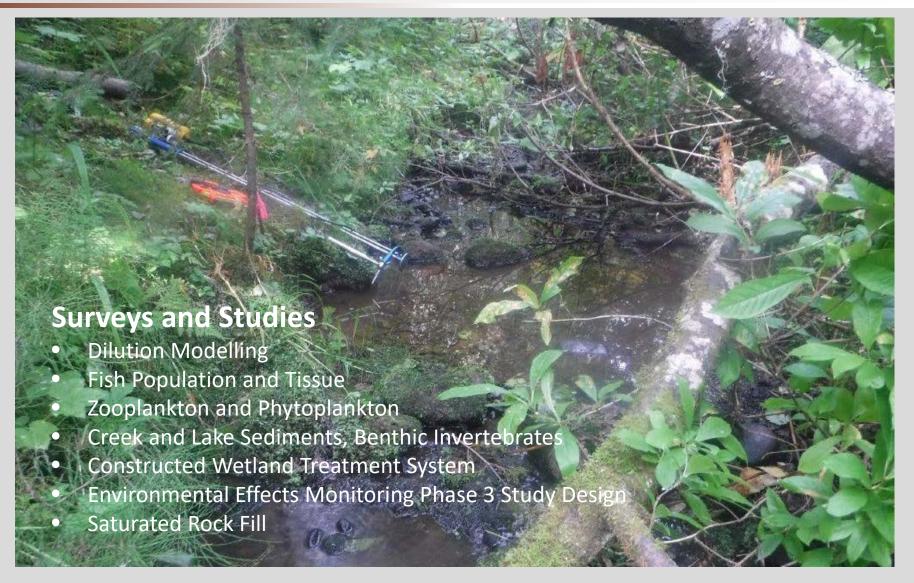
Constructed Wetland Treatment System, September 17, 2020



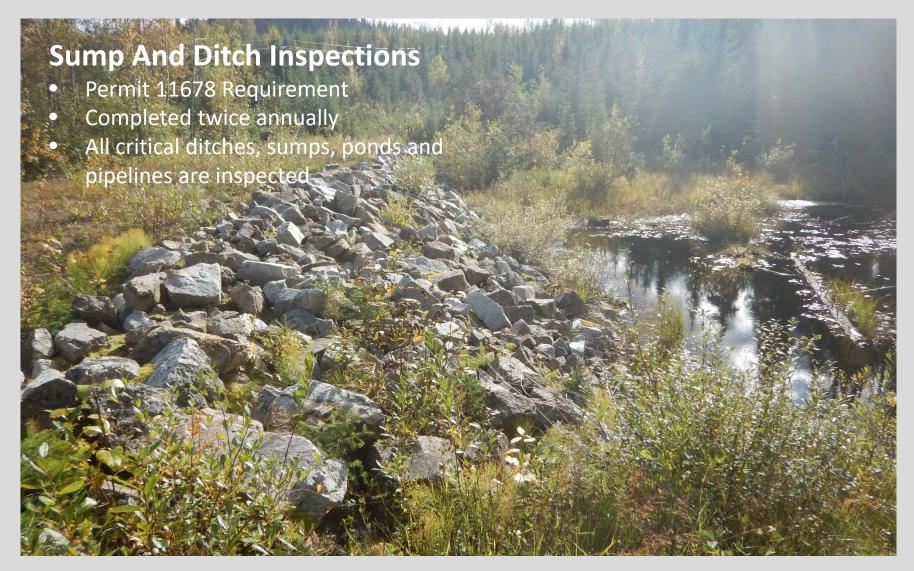


Newly Constructed Edney Creek Channel, September 22, 2020





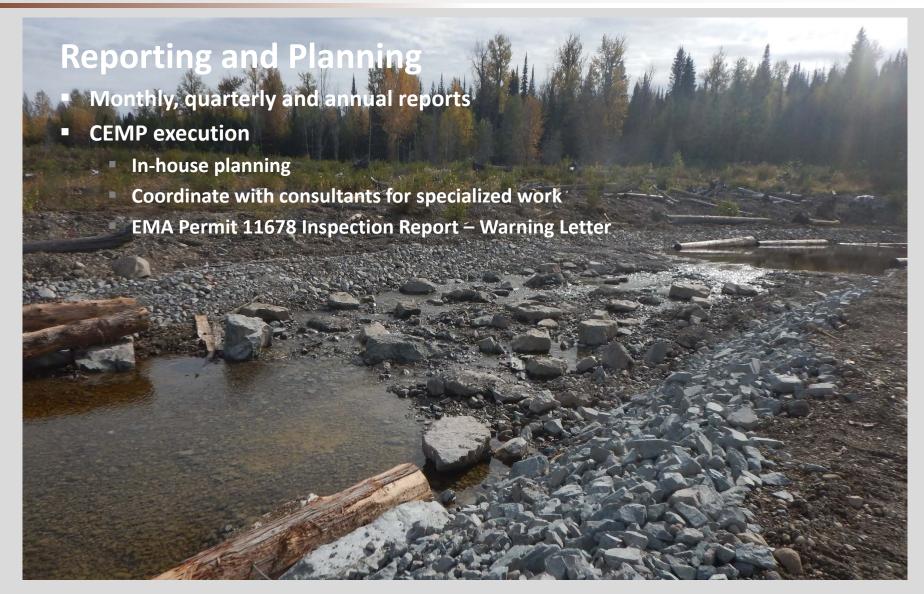






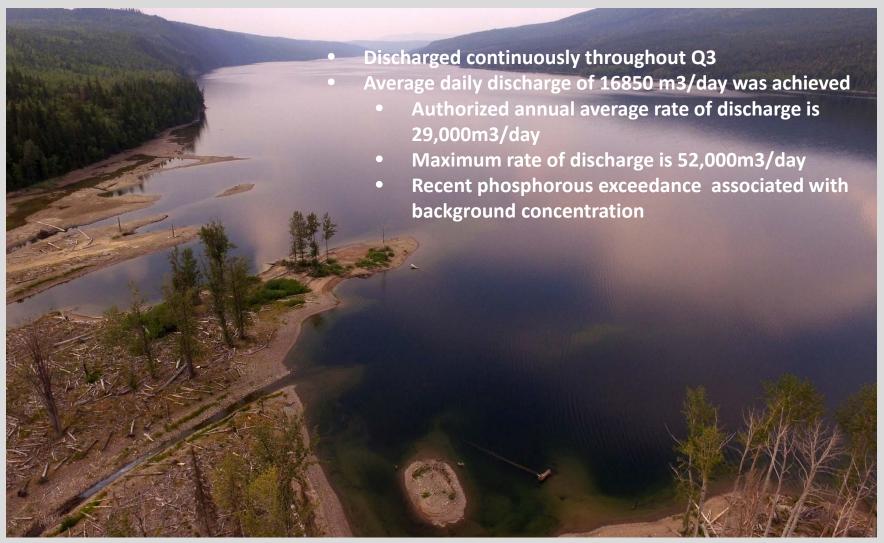






Discharge/WTP Update



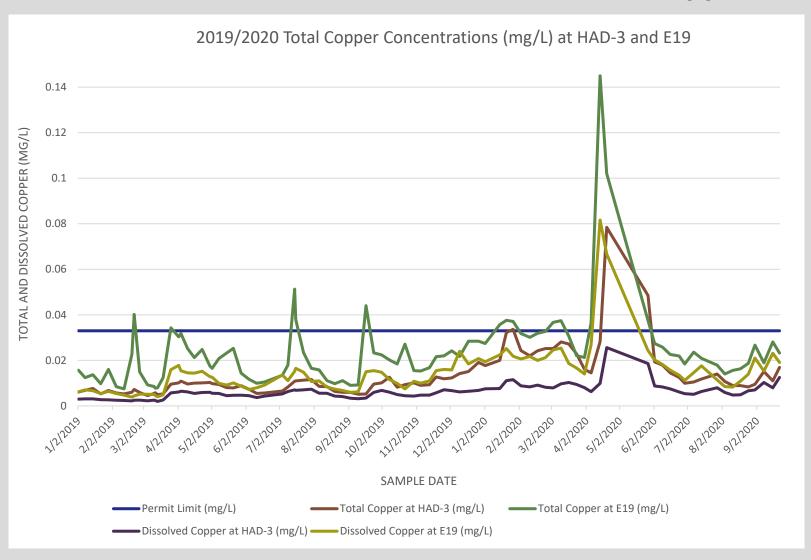


Quesnel Lake Looking Toward Diffusers, July 31, 2018

Discharge/WTP Update



Water Treatment Plant – Influent vs. Effluent – Copper



Discharge/WTP Update

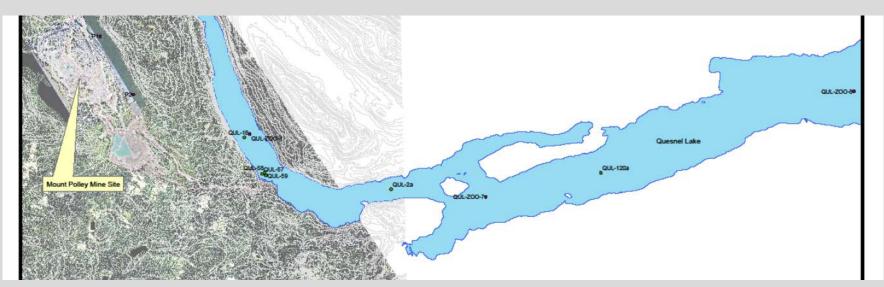


Quesnel Lake

- Environmental Effects Monitoring Phase 3 Study Design is being developed
- Fish population study will be discontinued as per MDMER Schedule 5, Part 2, Section
 - 9. Previous study and modelling results indicate that the criteria has been met.

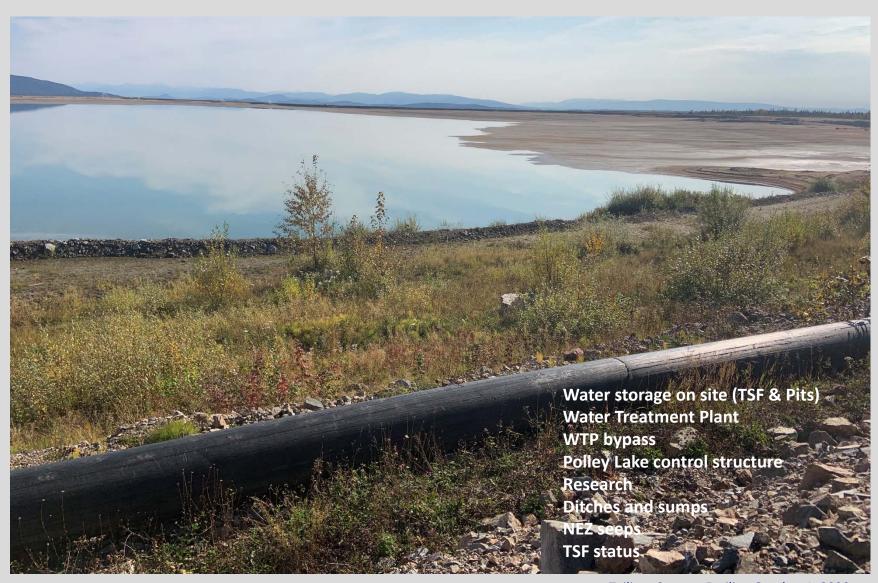
"a study respecting fish population, if the highest concentration of effluent in the exposure area, during a period in which there are deposits, is greater than 1% at any location that is 250 m from a point at which the effluent enters the area from a final discharge point, unless the results of the previous two biological monitoring studies indicate

- •(i) for all effect indicators with no assigned critical effect size, no effect on the fish population, and
- •(ii) for all effect indicators with an assigned critical effect size, no effect on the fish population or an effect on the fish population the absolute value of the magnitude of which is less than the absolute value of its assigned critical effect size;"



Water Management





Water Storage

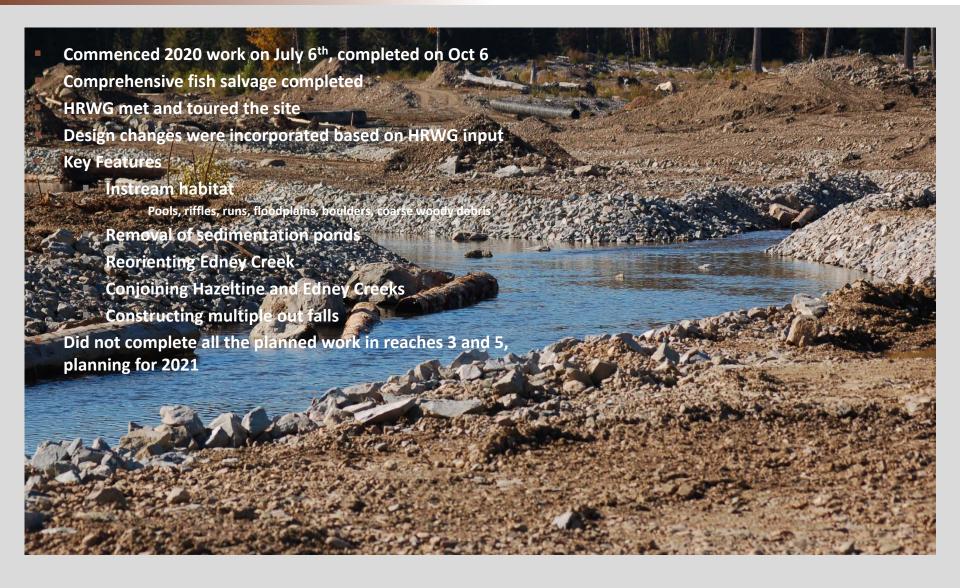


Weekly TSF & Water Management Systems Status					Sat.	Sun.	Mon.	Tue.	We		Location	Volume - This week	
October 1, 2020				20° 8° 2	11 91	16° 5°	1/* /*	1/" /"	1/~	/" 11" 4"	Location	(2.4. 2)	
Water Management Status Instrumentation Status			Pumping/Flow Status								(Mm3)		
Pond Elevation Freeboard	961.92 6.1	m m	Inclinometers Piezometers	within QPO* within QPO*	Location WTP	Pumps 1 of 1	To Quest	nel Lake	Max Vol per Pump (m3/day) 20,000	Usage 97%	Approx Vol Pumped (m3/day) 19,400	TSF	1.83
Current TSF Volume Remaining Storage Min. Till Height WTP	naining Storage in. Till Height 968.0 WTP 809 m³/h Beach @ Corner 1 within QPO sails Remaining 1.15 Mm³ Beach @ P. Emb within QPO	within QPO* within QPO* Golder to Review within QPO*	NEZ Sump NW Sump Barge Wight Pit Till Borrow CCS TSF Booster	1 of 1 1 of 1 2 of 4 1 of 1 2 of 2 1 of 1 2 of 3	To Mine I	To Wight Pit To Mine Drainage To Booster To Long Ditch	20,000 20,000 13,000 10,000 20,000 30,000 13,000	5% 57% 100% 0% 0% 25%	1,000 1,000 14,820 10,000 0 0 6,500	Cariboo Pit	2.24		
SP Tails Remaining SP Tails Removed SP Elevation [Mine Grid]		within QPO* within QPO* within QPO*			To N	TSF Mill				Springer Pit	2.81		
SP Remaining Storage CP Elevation [Mine Grid] CP Remaining Storage	10.00 996.42 6.99	Mm3 m Mm3	TSF Volume Pit Monitors *QPO Ref #:1413803-08	< 1.7Mm3 within system 5-TM-Rev3-5115	TSF Booster Mill	2 of 3 1 gravity	To Caril	boo Pit	13,000 11,500	32% 0%	8,400 0	Wight Pit	0.00
Current TSF Water Elevation 965.50 965.00					Current TSF Water Volume 12,000,000 8,000,000 4,000,000 2,000,000 2,000,000 Pill Curve Reset — Current Volume — Available Storage above sand							Total	6.88
964.50 (E) 964.00 963.50 962.50 961.50 961.50 961.00 Current Water Elevation (m) QPO Beach Width Trigger Switchgear Elevation													
TSE continues to drop. Acres	ra water is so	ing to W/TP		Com	ments							A CONTRACTOR OF THE PARTY OF TH	
*TSF continues to drop. Any ext *TSF needs to be "961.70m to m * Springer and Cariboo Pits still in * Still making excellent progress * No concerns this week	neet QPO Volu	me. to ground inf	iltration it slower this week due to WP pur	mping 100%								46	92-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-

- Dewater TSF and conveying water around site
- Operate WTP
- Temporarily store water in pits for future treatment and discharge

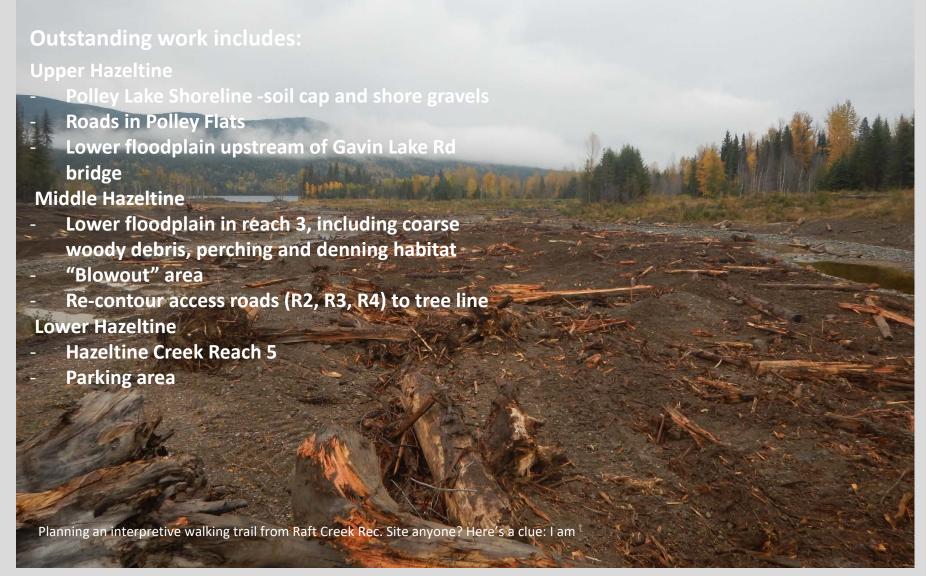
Remediation Update





Remediation Update





2020 Exploration



Completed Work

- Notice of Work Application (NoW) on Mineral Claims.
- Deemed Authorization Permit on Mine Permit Area.
- Geological Mapping of "New" areas.
- Ground truth the exploration drill targets.
- Plan easiest, non-invasive access and diamond drill sites.
- Complete 3-D IP over mine site known mineralization for new exploration and create fingerprint of known mineralized bodies.
- Diamond drill prioritized targets, MMI and Geophysical targets.

Planned Work

Diamond drilling



Compliance Review Update





Compliance Review Update



EMA Permit 11678 Inspection Report – Warning Letter

- Outlines review of the MPMC 2019 Annual Environmental Report
- "Out" of compliance issues are reviewed and resolved, if possible
- Some out of compliance items cannot be resolved and will likely occur in the future
 - Quesnel Lake sample depths
 - Requirement to sample at same depths is often not achievable due different site depths
 - Requirement to sample below plume is not achievable if the plume is at the bottom of the lake
 - Permit conditions change

Other Issues include

- 2019 CEMP submitted in Oct 2019, still not approved. New plan is due March 2023
- ENV communication on aspects of monitoring plan that are planned to be discontinued
 - Sediment toxicity testing in Polley Lake
 - Variance to remove DGT monitoring from the plan
- EMA permit appeal

Roundtable Discussion





Next Meeting





Resources



PLC Sharepoint Site:

https://imperialmetals.sharepoint.com/sites/MountPolleyLiaison/Shared%20Documents/Forms/AllItems.aspx

BC Ministry of Environment Natural Resource and Enforcement Database:

https://a100.gov.bc.ca/pub/ocers/searchApproved.do?submitType=menu

BC Mine Information page:

https://mines.nrs.gov.bc.ca/

mountpolley.com

imperialmetals.com

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