



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 6

AUGUST 13TH TO AUGUST 19TH, 2018

Social and Cultural Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Traditional Use Area (hunting, fishing, gathering, trapping)	1	Monitoring was requested by the First nation at Spread 5 SF 63 643+400 to 643+600 Valley west of old rail bed as there was potential for deeply buried cultural deposits.	No artifacts were found	No
Rock Formations (rocks of significance, tipi rings, etc.)				
Artifacts				
Bones				
Potential Gravesites				

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	Many	625+691,805+567,740+300 625+681,622+223 Various types of Medicinal and cultural plants were observed throughout these areas.	On going	Continue to monitor
Aquatic Life	1	622+223 dug out/ fish were observed by Environment	To be determined	Yes
Animal Observations or Burrows				
Bird Nests				
Trees (Red Willow)				
Wetlands	4	643+300 691+850, 684+640 676+340	Areas clearly staked and marked	No
Watercourse Crossing	2	625+691Chapleau Lake and 805+567 Pipestone Creek	Ongoing/ Continue to Monitor	Yes

Additional Observations and Summary of Activities or Concern

Monitors of spread six ensured they complied with the Bio security system with washing of trucks and spraying boots and tires before leaving to sites and repeating procedure before entering new locations. The system was created to eliminate cross contamination from field to field. The Bio Security system also protects the medicinal and cultural plants within the areas as well.

Daily Construction meetings were attended, our team holds a toolbox and Field level risk assessment before leaving every day. To recognize and eliminate hazards before heading out to sites and kept in our trucks should task or conditions change.

Aug 13th Our team travelled to Spread 5 SF 63 643+400 to 643+600 to monitor hydro vac at (Valley West of the old rail bed). This is one of the areas the First Nation requested monitoring, as there was potential for deeply buried cultural deposits. A pre-meeting was conducted between the crew and our monitors before the hydro vac procedure began. We Monitored three areas that had Hydro vac completed Including 643+455, Our team did not see any cultural deposits. Within the same area a ramp was constructed at 643+300. A slurry pit was dug out on the North side of the ROW. Observed the wet land (shrubby swamp) along the south of the ROW. Area was marked with large signage and (Buffer) area was clearly marked with stakes.

684+640 and 676+340 observed wetlands no concerns were noted.

Aug 14th Travelled with Indigenous Liaison to Spread 5 SF 75 666+082 for meeting and observed wetland area. Continued to SF 53 625+691 Chapleau Lake Heritage site to observe buffer area, Rock circles and Cairn. A tour of the ROW from 625+691 to 629+167 observe crews stripping and grading topsoil. Continued observations to 770+522. Additional observation was at Pipestone Creek SF 147 805+567 Acquired information from the biologist on site marking bird buffers.

Aug 15th Coordinated jr. monitors from spread five and six to meet at SF 63 643+400 The Valley west of the old rail bed site. Spread six monitors shared information of the three locations we had monitored hydro vac and the significance of the area. Monitors observed the wetland buffer, and additional signage at the slurry pit and the area was properly roped off. I travelled to SF 53 625+691 to meet with (Archaeologist) Steve Kasston, to participate in a tour of the Chapleau lake Alchological Heritage site. Members from the Indigenous advisory committee and members of the National Energy Board were on the tour. Travelled to SF 111 740+300 to do observations and harvest sweetgrass.

Aug 16th SF 58 634+079 and SF 59 637+338 Observed crews stripping topsoil on ROW SF 86 691+850 did observations at wetland area with (Wet lands specialist) & Terrestrial Ecologist and Environmental team from WLCS. Wet land was marked and staked.

Aug 17th SF 53 625+681 Observed site where stripping of 30m into the Alchological site will be done to lengthen the HDD pad. Observed the bird buffers were taken down which will allow the grader to strip the additional area. Additional observations were done with Clear stream environmental and their team. SF 51 622+223 observed crew setting up pump at non-bearing fish dug out on West side.

Aug 18th SF 53 625+691 Travel to Chapleau Lake monitored stripping on East side. With Archaeologist (Rob Wondrasek) Equipment Stripped top layer to extend HDD pad to 624+700 additional 30m within Areological site. Equipment stopped, and we walked the site (no archaeological or sacred site surface features were observed).

SF 51 622-223 East Chapleau lake Monitored pumping of dug out, observed silt fence put up at east corner of dug out. Spill pan was in place and hose was placed properly for non-erosion. Environment noticed fish in the dugout and pumping ceased.

SF 51 623+400 Monitored the grading in 2 areas where previous bird buffers were located.

Photos of Sites Visited & Topics Discussed This Week



SF 58 Stripping and piling topsoil



Equipment Stripped top layer to extend HDD pad to 624+700 additional 30m within Areological site.



SF 63 643+400 to 643+600 hydro vac (Valley west of the old rail bed) Hydrovac to expose the pipe.



SF 51 622-223 East Chapleau lake, dug out before and after pumping out



SF 53 Chapleau Lake Heritage site 624+700 South Side

Approvals

Prepared by

D. Masney

Darlene Masney
Senior Construction Monitor

Aug 22, 2018

Reviewed by

J Roach

Joseph Roach
Project Manager

August 22, 2018

Approved by

Emmanuel Olotu

Emmanuel Olotu, P.Eng.
Technical Manager, Geotechnical

Aug 22, 2018

This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.