



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 5

DECEMBER 10TH TO DECEMBER 16TH, 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)	2	HER134, HER135, HER128, HER129& HER123	Ongoing	Y
Rock Formations (rocks of significance, tipi rings, etc.)	0			
Artifacts	0			
Bones	0			
Potential Gravesites	0			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	2	SSKP625.75	Ongoing	Y
Aquatic Life	0			
Animal Observations or Burrows	0			
Bird Nests	0			
Trees (Red Willow)	0			
Wetlands	0			
Watercourse Crossing	1	SK WC63, SK WC68	Ongoing	Y

Additional Observations and Summary of Activities or Concerns

This week Banister crews were working on spring mitigation at Water Course Crossing Kronau Creek SK WC63 SSKP576.6, monitored the berm diversions being installed at this location throughout the entire week, this area is also located in a native prairie zone area.

Water Course Crossing Kronau Creek SK WC63 SSKP576.6 An excavator was building up the berm on the west side of the creek hillside an oiler was assisting the operator. The operator created a secondary berm for the spring runoff so it would not affect the water course crossing feature. An excavator along and crew members created a 6-inch trench on the west side at the toe of the slope and labourers put up a silt fence - the fence catches sediment that washes down slopes and keeps it from settling in waterways, typically helps short term effects of erosion, the removed dirt was reserved.

Banister crews started working on the east side of the creek scraping the area that would be used as diversion berms and used the excavator to create a fence line which the labourers put up T-bars and silt fence on the bottom of the hill with the use of a spotter during this task. The operator continued to build the diversion berms closer to the top of the hill, Banister crew finished on the east side of the creek creating a diversion berm on the top of the east hillside top, Kronau Creek spring mitigation clean-up was completed on Friday. No concerns with the crews, they were great and did an excellent job!

The backfill process was completed on spread 5 Tuesday, SSKP684+830- Banister crews were on the west side of the road, backfilling the mainline ditch near overhead power lines- the operator was assisted by an oiler when he passed under the overhead power lines which were clearly visible as well as signs in the area. Once completed the backfilling in the mainline trench area and levelling the Right of Way, the equipment crossed over to the east side of the road - flaggers and signs were used to direct traffic in the area.

At end of the week, monitored clean up at SSKP607+000 Banister crews continued the clean up on the east side of the road passed the high voltage area, levelling the right of way going east through a Heritage Resource area HER128 SSKP607.21-SSKP607.45 & Wet land crossing SK472 SSKP606.75-SSKP607.46 another crew was clearing the right of way moving subsoil and levelling near Heritage Resource & TLU HER129 SSKP607.67-SSKP607.90 & Wet Land Crossing SK473 SSKP607.68-SSKP607.76 and up to wet land crossing SK474 which is located west side of SF42, will follow up in these areas before holidays!

Photos of Sites Visited & Topics Discussed This Week



Building berm diversion west side of Kronau Creek SK WC63



Secondary berm installed at Kronau Creek



Berms completed West side of Kronau Creek



Banister work continues east side of Kronau Creek



Backfill process completed on spread 5



Clean up at Heritage Resource HER128

Approvals

Prepared by

Jennifer Wolfe

Jennifer Wolfe
Senior Construction Monitor

December 16, 2018

Reviewed by

J Roach

Joseph Roach
Project Manager

December 19, 2018

Approved by

Emmanuel Olotu

Emmanuel Olotu, P.Eng.
Technical Manager, Geotechnical

December 19, 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 alternation, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.