

**APPENDIX 2**

**ENVIRONMENTAL ALIGNMENT SHEET PACKAGE**

ENVIRONMENTAL ALIGNMENT SHEET PACKAGE  
FOR THE ENBRIDGE PIPELINES INC.  
LINE 3 REPLACEMENT PROGRAM

November 2014

Prepared for:



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GENERAL INFORMATION

STATION/TERMINAL LOCATIONS

Station	Station KP Enter	Station KP Exit	Legal Location
Hardisty Terminal	184.55	185.20	E ½ 19-42-9 W4M and SW 19-42-9 W4M
Metiskow Station	239.01	239.22	SE 1-40-5 W4M
Cactus Lake Station	300.32	300.74	NE 32-36-27 W3M
Kerrobert Station	362.49	363.48	SE 34-33-22 W3M
Herschel Station	425.60	426.02	S ½ 16-31-16 W3M
Milden Station	487.85	488.24	SE 6-29-10 W3M
Loreburn Station	551.11	551.65	SW 12-26-5 W3M and NW 1-26-5 W3M
Craik Station	603.92	604.13	SE 10-23-29 W2M and NE 3-23-29 W2M
Bethune Station	666.00	666.43	SE 22-19-24 W2M
Rowatt Station	723.65	723.83	SW 33-16-19 W2M
Odessa Station	778.84	779.17	SW 35-15-14 W2M
Glenavon Station	829.61	830.22	W ½ 22-14-9 W2M
Langbank Station	894.33	894.75	S ½ 2-13-3 W2M
Cromer Terminal	980.29	981.15	NE 17-9-28 WPM and SE 20-9-28 WPM
West Souris Station	1053.02	1053.25	E ½ 16-8-21 WPM
Glenboro Station	1126.01	1126.42	SE 3-7-14 WPM
St. Leon Station	1180.93	1181.24	SW 33-4-9 WPM
Gretna Station	1278.09	1278.99	SE 8-1-1 WPM

GENERAL INFORMATION

The Environmental Alignment Sheets (EAS) provide information pertaining to the environmental and socio-economic setting below the photomosaic. Potential environmental and socio-economic issues identified during Project planning, and their corresponding mitigation measures, are positioned above their respective location on the photomosaic.

Environmental Issues and corresponding mitigation notes are positioned above the photomosaic. Mitigation measures consist of measures described in the Pipeline Environmental Protection Plan (Pipeline EPP) to be implemented during construction of the Project. The mitigation measures included in the mitigation notes do not include all of the potential mitigation measures to be implemented. Consult the Pipeline EPP for additional protection measures. Pipeline EPP Section, Appendix and Construction Drawing references are provided in these Environmental Notes where applicable. Construction Drawings are provided in Appendix E of the Pipeline EPP.

For ease of reference, locations along the replacement pipeline route have been calibrated to each pump station/terminal and are referred to as Station KPs (SKPs). SKPs are numbered sequentially along the Line 3 replacement pipeline route, starting at SKP 0.00 at the Edmonton Terminal in Alberta and ending at Gretna Station in Manitoba at SKP 1279.16.

Items included on these EAS were documented during the planning phase of the Line 3 Replacement Program. For all Environmental Notes (EN), refer to page 5 of these EAS Index Sheets. For example, EN-06 refers to Note 06 and has corresponding mitigation measures to be implemented during construction.

Feature identification numbers have been assigned to:

- watercourses and waterbodies (AB-WC##, SK-WC##, MB-WC##);
- wildlife features and areas (WF-##); and
- wetlands (AB-###, SK-###, MB-###).

These numbers (e.g., AB-WC##) can be used to cross reference specific environmental features with the summary tables provided in the index sheets which provide additional information. Although there is no reason to believe that there are any errors associated with the data used to generate this product itself, users of the data are advised that errors in the data may be present.

Remotely-operated sectionalizing valves are indicated on the alignment sheets as “Valve Sites”. The locations depicted are preliminary sites.

GENERAL LANDOWNER INFORMATION

**Municipal Authority** - The regional or municipal jurisdictional authority of the land encountered along the pipeline route.

**Ownership** - Identifies privately-owned (Patented) or public (Crown) land.

ENVIRONMENTAL PROTECTION PLAN MEASURES

**Seed Mix** - Recommended seed mixes to be used on non-cultivated lands. Special landowner requests from the Line List have not been considered and the line list must be consulted to identify landowner requests prior to seeding.

**Topsoil Salvage Procedure** - Recommended topsoil salvage width to be conducted along the route. These recommendations do not account for the presence of site-specific features which may require additional mitigation.

**Topsoil Salvage Depth** - Recommended topsoil salvage depths to be used as a guide during topsoil salvage.

**Compaction and Rutting** - Soils with increased susceptibility to compaction and rutting.

**Topsoil** - Locations with deep topsoil (over 25 cm) or shallow topsoil (under 10 cm).

**Erosion** - Locations with soil properties susceptible to wind erosion and conditions that present water erosion potential.

**Trench** - Soils with properties that may cause trench walls to be prone to sloughing.

**General** - Locations with soil conditions that warrant additional mitigation.

**Wetlands** - Mitigation measures to be implemented at wetlands encountered by the construction right-of-way and identification of specific wetlands which require shrub staking.

**Watercourses/Hydrology** - Crossing methods to be used at watercourses encountered by the construction right-of-way.

**Wildlife and Wildlife Habitat** - Mitigation measures to be implemented at locations along the construction right-of-way with concerns relating to wildlife and wildlife habitat.

**Vegetation** - Mitigation measures to be implemented for rare plants and rare ecological community sites encountered by the construction right-of-way and also specifies locations where swamp matting is recommended.

**Socio-Economic** - Mitigation measures to be implemented to address socio-economic concerns along the construction right-of-way.

**Construction Timing Restrictions** - Identifies timing restrictions associated with environmental features.

**Biosecurity** - Indicates the level of vehicle sanitation measures to be implemented at vehicle cleaning stations along the construction right-of-way.

**Land Use** - Predominant land use at the time of Application.

ENVIRONMENTAL SETTING INFORMATION

**Natural Regions and Ecoregions** - Ecoregions for all provinces in addition to Natural Region in Alberta.

**Soils Parent Material** - Parent material encountered along the pipeline route from which current soils have evolved.

**Canada Land Inventory (CLI) Soils Classification** - Soil Capability Classification of Agriculture as defined by the CLI classification system.

**Wetlands** - Classification of the portions of wetlands that are encountered by the construction right-of-way as well as artificial wetlands and dugouts. The wetland class encountered by the right-of-way may differ from the overall wetland class provided in the summary table.

**Watercourses/Hydrology** - Watercourse and waterbody crossings.

**Fish Habitat Quality** - Fish habitat quality of watercourses or waterbodies encountered by the construction right-of-way.

**Wildlife and Wildlife Habitat** - Locations along the construction right-of-way with concerns related to important wildlife habitat areas and site-specific features.

**Vegetation** - Species abbreviation codes for rare plants or rare ecological communities encountered by the construction right-of-way.

**Socio-Economic** - Locations along the construction right-of-way with socio-economic land-use and infrastructure concerns.

**Biosecurity** - Type of biosecurity concern encountered along the construction right-of-way.

CROWN LAND LOCATIONS

ALBERTA

Jurisdiction	Disposition/Land Tenure Type	SKP	Legal Location(s)
Provincial	Bed and Shore of Lake	185.8 to 186.2	NW 17-42-9 W4M
	Grazing Lease	191.2 to 192.8	NW 11-42-9 W4M NE 11-42-9 W4M SE 11-42-9 W4M
	Farm Development Lease	194.7 to 195.6	NW 6-42-8 W4M
	Grazing Lease	205.0 to 205.6	NE 24-41-8 W4M
	Grazing Lease	206.1 to 207.1	SW 19-41-7 W4M
	SE of LSD 1 Within the Bed and Shore of Unnamed Lake/Grazing Lease	229.6 to 229.9	NE 18-40-5 W4M SE 19-40-5 W4M
	Grazing Lease	233.6 to 234.6	NW 10-40-5 W4M
	Protective Notation	243.5 to 243.6	NE 29-39-4 W4M

SASKATCHEWAN

Jurisdiction	Disposition/Land Tenure Type	SKP	Legal Location(s)
Federal	Agriculture and Agri-food Canada Community Pasture Program (AAFC-CPP) Lands/Progress Community Pasture	335.3 to 342.0	NE 9-35-24 W3M SE 9-35-24 W3M SW 10-35-24 W3M SE 10-35-24 W3M NE 3-35-24 W3M NW 2-35-24 W3M SW 2-35-24 W3M SE 2-35-24 W3M SW 1-35-24 W3M NW 35-34-24 W3M NE 35-34-24 W3M
	AAFC-CPP Lands/Progress Community Pasture	342.1 to 342.9	SW 36-34-24 W3M
Provincial	Wildlife Habitat Protection Act Lands	345.7 to 347.4	NW 29-34-23 W3M SW 29-34-23 W3M SE 29-34-23 W3M
Federal	AAFC-CPP Lands/Mariposa Community Pasture	358.9 to 360.0	SE 5-34-22 W3M SW 4-34-22 W3M
Provincial	Agricultural Crown Land	511.4 to 511.8	NW 4-28-8 W3M
	Agricultural Crown Land	515.3 to 515.6	SE 2-28-8 W3M
	Agricultural Crown Land Wildlife Habitat Protection Act Lands	517.0 to 521.4	NE 36-27-8 W3M NW 31-27-7 W3M SW 31-27-7 W3M SE 31-27-7 W3M SW 32-27-7 W3M SE 32-27-7 W3M NE 29-27-7 W3M
	Agricultural Crown Land	522.4 to 523.4	SE 28-27-7 W3M
	Wildlife Habitat Protection Act Lands	524.0 to 524.3	NW 22-27-7 W3M
	Agricultural Crown Land (Canal)	526.1 to 526.2	SW 23-27-7 W3M SE 23-27-7 W3M
	Saskatchewan Land Bank Commission Lands	545.5 to 545.9	NW 16-26-5 W3M
	Saskatchewan Ministry of Environment/Fish and Wildlife Development Fund Land	572.3 to 573.4	NE 34-24-3 W3M NW 35-24-3 W3M
	AAFC-CPP Lands/Elbow Community Pasture	573.4 to 579.3	NE 35-24-3 W3M SE 35-24-3 W3M SW 36-24-3 W3M NW 25-24-3 W3M NE 25-24-3 W3M NW 30-24-2 W3M SW 30-24-2 W3M SE 30-24-2 W3M NE 19-24-2 W3M NW 20-24-2 W3M

SASKATCHEWAN cont'd

Jurisdiction	Disposition/Land Tenure Type	SKP	Legal Location(s)
Provincial	Wildlife Habitat Protection Act Lands	579.5 to 580.3	SE 20-24-2 W3M
Provincial	Agricultural Crown Land	588.2 to 590.2	SW 6-24-1 W3M SE 6-24-1 W3M NE 31-23-1 W3M
	Saskatchewan Land Bank Commission Lands	597.1 to 598.1	SE 23-23-1 W3M
	Saskatchewan Land Bank Commission Lands	598.2 to 599.2	NW 13-23-1 W3M
	Wildlife Habitat Protection Act Lands	600.4 to 602.0	SW 16-23-29 W2M NW 9-23-29 W2M NE 9-23-29 W2M
	Agricultural Crown Land	602.0 to 603.9	NW 10-23-29 W2M SW 10-23-29 W2M SE 10-23-29 W2M NE 3-23-29 W2M
	Agricultural Crown Land	607.0 to 607.5	NW 35-22-29 W2M
	Agricultural Crown Land	608.2 to 611.5	SE 35-22-29 W2M SW 36-22-29 W2M SE 36-22-29 W2M NE 25-22-29 W2M NW 30-22-28 W2M SW 30-22-28 W2M
	Saskatchewan Crown Land	620.3 to 620.4	SE 11-22-28 W2M
	Wildlife Habitat Protection Act Lands	661.7 to 662.7	NE 29-19-24 W2M SE 29-19-24 W2M
	Saskatchewan Crown Land (Highways and Infrastructure)	713.9 to 714.0	SW 33-16-20 W2M
	Agricultural Crown Land	730.5 to 730.6	NW 31-16-18 W2M
	Wildlife Habitat Protection Act Lands	800.1 to 801.5	SW 11-15-12 W2M SE 11-15-12 W2M
	Saskatchewan Crown Land	838.3 to 838.5	SE 17-14-8 W2M
	Saskatchewan Crown Land (Drainage)	895.9 to 895.9	NW 36-12-3 W2M
	Agricultural Crown Land	911.6 to 911.8	NE 17-12-1 W2M
	Wildlife Habitat Protection Act Lands	915.5 to 917.2	NW 11-12-1 W2M NE 11-12-1 W2M
	Saskatchewan Land Bank Commission Lands	943.4 to 944.2	NE 36-10-32 WPM
	Agricultural Crown Land	948.7 to 949.3	NE28-10-31 WPM
	Saskatchewan Crown Land	954.1 to 954.9	SE 24-10-31 WPM
	Wildlife Habitat Protection Act Lands	962.1 to 963.8	NW 11-10-30 WPM SW 11-10-30 WPM SE 11-10-30 WPM

MANITOBA

Jurisdiction	Disposition/Land Tenure Type	SKP	Legal Location(s)
Provincial	Agriculture and Food/Wildlife Habitat	1032.8 to 1033.1	NE 28-8-23 WPM
Federal	Swan Lake Indian Reserve	1163.4 to 1164.3	NE 23-5-11 WPM
Provincial	Creek/Manitoba Infrastructure and Transportation	1255.6 to 1255.7	NW 5-2-3 WPM
	Buffalo Creek/Department of Highways and Transportation	1262.9 to 1263.0	NW 25-1-3 WPM
	Creek/Land Management Services	1267.2 to 1267.3	NE 20-1-2 WPM



STOCKPILE SITES

Stockpile Site	SKP <sup>1</sup>	Spread	Legal Location	Land Use	Waterbody Within 30 m	Soils	Vegetation	Wildlife and Wildlife Habitat
Amisk	202.3	1	SW 26-41-8 W4M	Tame Pasture	No concerns.	To be determined	Central Parkland Natural Subregion. No trees requiring clearing.	Tame pasture land use, suitable wildlife habitat.
Provost	285.2	1	SW 30-37-28 W3M	Cultivation	No concerns.	To be determined	Aspen Parkland Ecoregion. No trees requiring clearing.	Cultivation land use, limited wildlife habitat potential.
Cactus Lake	300.5	1	SE 5-37-27 W3M	Cultivation	No concerns.	To be determined	Moist Mixed Grassland Ecoregion. No trees requiring clearing.	Cultivation or hay land use, limited wildlife habitat potential.
Cactus Lake (Preferred)	300.9 + 5,000 m south	1	SE 17-36-27 W3M	Cultivation or Hay	Class I/II wetland crossed by north boundary.	To be determined	Moist Mixed Grassland Ecoregion. No trees requiring clearing.	Cultivation or hay land use, limited wildlife habitat potential.
Kerrobert	353.5 + 1,850 m north	2	SE 23-34-23 W3M	Cultivation	No concerns.	To be determined	Mixed Grassland Ecoregion. No trees requiring clearing.	Cultivation land use, limited wildlife habitat potential.
Stranraer	404.9	2	SE 4-32-18 W3M	Native Prairie	Class I/II wetland inside stockpile boundary.	Regina, Grill Lake, Bradwell, Disturbed Land	Moist Mixed Grassland Ecoregion. Several trees next to road for clearing.	Native prairie land use, suitable wildlife habitat.
Rosetown	440.4 + 3,880 m south	2	SW 14-30-15 W3M	Cultivation	No concerns.	Regina	Moist Mixed Grassland Ecoregion. No trees requiring clearing.	Cultivation land use, limited wildlife habitat potential.
Rosetown (Preferred)	441.8 + 2,800 m north	2	SE 1-31-15 W3M	Cultivation	Class I/II wetland inside stockpile boundary. A Class I/II wetland is located within 30 m of the proposed west boundary.	To be determined	Moist Mixed Grassland Ecoregion. No trees requiring clearing.	Cultivation land use, limited wildlife habitat potential.
Milden	500.5 + 7,600 m north	2	NW 9-29-9 W3M	Tame Pasture	A Class V wetland is located within 30 m of the proposed south boundary.	To be determined	Moist Mixed Grassland Ecoregion. No trees requiring clearing.	Tame pasture land use, suitable wildlife habitat.
Loreburn	551.1	3	SW 12-26-5 W3M	Cultivation	Class III wetland inside stockpile boundary. A Class I/II wetland is located within 30 m of the proposed southeast boundary.	To be determined	Moist Mixed Grassland Ecoregion. Northwest corner requires clearing.	Cultivation land use, limited wildlife habitat potential.
Craik	603.7	4	NE 3-23-29 W2M	Native Prairie	A Class IV wetland is located within 30 m of the proposed southwest boundary. A Class I/II wetland is crossing the proposed northwest boundary of the stockpile site. Two Class I/II wetlands are inside of the proposed boundaries of the stockpile site.	To be determined	Moist Mixed Grassland Ecoregion. No trees present, clearing not required.	Native prairie land use, suitable wildlife habitat.
Bethune	670.2	4	SE 12-19-24 W2M SW 7-19-23 W2M	Native Prairie and Disturbed Land	A Class III wetland is located within 30 m of the proposed northeast boundary.	Biggar, Bradwell and Disturbed Land	Moist Mixed Grassland Ecoregion. Few trees, some clearing required.	Native prairie land use, suitable wildlife habitat.
Regina	720.5 + 1,300 m south	5	SW 30-16-19 W2M	Disturbed Land	A Class V wetland complex is crossed by the proposed south boundary of the stockpile site. The stockpile site is located within the Class I/II portion of the wetland complex.	Disturbed Land	Moist Mixed Grassland Ecoregion. Few trees, some clearing required.	Disturbed land use, limited wildlife habitat potential.
Odessa	780.3	5	SE 35-15-14 W2M NE 26-15-14 W2M	Cultivation	A Class IV wetland complex is located within 30 m of the proposed north boundary of the stockpile site.	To be determined	Aspen Parkland Ecoregion. No trees present, clearing not required.	Cultivation land use, limited wildlife habitat potential.
Montmarte	818.0 + 2,700 m south	5	NE 17-14-10 W2M NW 16-14-10 W2M SW 16-14-10 W2M	Disturbed Land	A Class III wetland crossed by the proposed east boundary.	Disturbed Land	Aspen Parkland Ecoregion. No trees present, clearing not required.	Disturbed land use, limited wildlife habitat potential. The stockpile site is located adjacent to Moose Mountain Upland Migratory Bird Concentration Site.
Kipling	871.1 + 1,400 m north	6	NE 21-13-5 W2M	Cultivation	A Class III wetland crossed by the proposed northeast boundary.	Oxbow, Windthorst, Whitesand	Aspen Parkland Ecoregion. Few trees, some clearing required.	Cultivation land use, limited wildlife habitat potential.
Fairlight	944.2	6	NW 31-10-31 WPM	Hay	A Class III wetland is located within 30 m of the proposed west boundary of the stockpile site. Five wetlands are crossed by the proposed stock pile site boundaries: two Class III wetlands cross the southwest boundary, one Class III wetland crosses the north boundary; one Class II wetland crosses the southeast boundary and one Class I/II wetland crosses the west boundary.	Oxbow, Osborne, Disturbed Land	Aspen Parkland Ecoregion. Trees present, some clearing required.	Cultivation land use, limited wildlife habitat potential.
Cromer	979.2	6	SE 20-9-28 WPM	Hay	No concerns.	To be determined	Aspen Parkland Ecoregion. No trees present, clearing not required.	Hay land use, limited wildlife habitat potential.
Oak Lake	1024.3 + 4,400 m north	7	NW 14-9-24 WPM	Hay and Wetland	A Class I/II wetland complex crossed by the proposed east boundary of the stockpile site.	Scarth	Aspen Parkland Ecoregion. No trees present, clearing not required.	Wetland, suitable wildlife habitat; hay land use, limited wildlife habitat potential. The Oak Lake stockpile site is located within the Oak Lake Important Bird Area.
Souris	1057.5 + 1,990 m south	7	NW 1-8-21 WPM NE 1-8-21 WPM	Disturbed Land	No concerns.	Disturbed Land	Aspen Parkland Ecoregion. No trees present, clearing not required.	Disturbed land use, limited wildlife habitat potential.
Glenboro	1127.5	8	SW 2-7-14 WPM	Cultivation	A Class I/II wetland is located within 30 m of the proposed east boundary.	Glenboro	Aspen Parkland Ecoregion. No trees present, clearing not required.	Cultivation land use, limited wildlife habitat potential.
Swan Lake	1162.3	8	NE 22-5-11 WPM NW 23-5-11 WPM	Tame Pasture	Two Class I/II wetlands crossed by the proposed boundary of the stockpile site: one wetland by the west boundary and one wetland by the east boundary.	To be determined	Boreal Transition Ecoregion. Few trees present, some clearing required.	Tame pasture land use, suitable wildlife habitat.
Manitou	1188.4	8	SE 24-4-9 WPM	Cultivation	No concerns.	To be determined	Aspen Parkland Ecoregion. No trees present, clearing not required.	Cultivation land use, limited wildlife habitat potential.
Morden	1219.6 + 6,000 m south	9	NW 1-3-6 WPM	Hay and Tame Pasture	A Class I/II wetland inside of the proposed boundaries of the stockpile site.	Darlingford, Agassiz, Osborne	Aspen Parkland Ecoregion. Few trees present, some clearing required.	Tame pasture land use, suitable wildlife habitat; hay land use, limited wildlife habitat potential.
Winkler	1246.4	9	SW 16-2-4 WPM	Cultivation	No concerns.	To be determined	Lake Manitoba Plain Ecoregion. No trees present, clearing not required.	Cultivation land use, limited wildlife habitat potential.

Notes: 1 All SKP locations are approximate.

## GENERAL NOTES

### Topsoil Salvage Procedures

Topsoil salvage widths vary depending on land use and ground conditions (*i.e.*, frozen vs. non-frozen). Recommended topsoil salvage procedures indicated on the EAS are for non-frozen soil conditions. Implement topsoil salvage procedures as outlined in Section 7.2 of the Pipeline EPP. Refer to Table 1 for the topsoil salvage procedures to be implemented during frozen and non-frozen ground conditions. Refer to the Criteria for Alternate Topsoil Salvage Width (see Appendix D1 of the Pipeline EPP) to assist in the determination of the appropriate salvage procedure and width in areas where the recommended topsoil salvage procedure is not appropriate. Refer to the Wetlands note below for soils handling procedures in and near wetlands.

Implement the Soil Handling Contingency Measures (see Appendix D16 of the Pipeline EPP) during topsoil salvage if any of the following are encountered: little or no topsoil; poor colour separation or an uneven boundary between topsoils and subsoils; stony soils; uneven surface on native prairie or tame pasture; high winds; or requests for alternate topsoil handling methods by a landowner. Implement the Contaminated Soils Discovery Contingency Plan (see Appendix D10 of the Pipeline EPP) in the event that contaminated or potentially contaminated soils are encountered.

Reduce the topsoil salvage width at localized, sensitive areas during frozen or non-frozen conditions where feasible or as directed by the Environmental Inspector (see Appendix D1 of the Pipeline EPP). Salvage topsoil from the entire construction right-of-way on tame pasture, hay and cultivated lands if wet or thawing soil conditions are anticipated, or when Project activities cannot be postponed. Salvage a greater width of topsoil at sharp sidebends and at crossings of watercourses, roads, rail lines and foreign lines to accommodate a wider and deeper trench, and increased workspace. Increase the width of topsoil salvage at known locations (*e.g.*, sandy soils, high water table) where the trench may be prone to sloughing or the trench walls require sloping in order to prevent topsoil from sloughing into the trench.

For dry (*i.e.*, lacking surface water and/or saturated soils) Class I/II marsh wetlands, as well as swamp wetlands, topsoil is to be salvaged and handled as per surrounding land-use. Reduce topsoil salvage widths at any Class of wetland containing surface water and/or saturated soils to the width of the trench area (see Details 17 to 19 in Appendix E of the Pipeline EPP). Consult with the Environmental Inspector to identify the boundaries and appropriate salvage widths in the field at the time of construction. For wet wetlands, store wetland topsoil and spoil separately from upland topsoil and spoil and mark/flag appropriately. Refer to Appendix Q of the Pipeline EPP for further details on crossing methods.

Disc well-sodded lands prior to topsoil salvage in order to facilitate topsoil salvage activities. Retain sod on native prairie if a competent sod layer exists and grade only where safety considerations dictate in order to reduce disturbance to the sod.

TABLE 1

### GENERAL TOPSOIL SALVAGE PROCEDURES

Ground Conditions	Land Use	Topsoil Salvage Method (EAS abbreviation) <sup>1</sup>
Non-Frozen	Native Prairie	Trench and spoil (TS); Detail 12
	Native Prairie susceptible to work lane compaction	Trench, spoil and work lane (TSWL); Detail 18
	Native Prairie where topsoil salvage from the entire construction right-of-way is warranted due to grading or other safety requirements.	Full right-of-way (ROW); Detail 13
	All Other Land Uses: <ul style="list-style-type: none"><li>• Cultivated;</li><li>• Hay;</li><li>• Tame Pasture;</li><li>• Treed;</li><li>• Treed Pasture;</li><li>• Hay Pasture;</li><li>• Shrub Pasture; and</li><li>• Disturbed Land.</li></ul>	Full right-of-way (ROW); Detail 13
Frozen	Native Prairie (all).	Trench and spoil (TS); Detail 12
	Wetland Soils.	Trench and spoil (TS); Detail 12, or salvage width of adjacent lands
	All Other Land Uses: <ul style="list-style-type: none"><li>• Cultivated;</li><li>• Hay;</li><li>• Tame Pasture;</li><li>• Treed;</li><li>• Treed Pasture;</li><li>• Hay Pasture;</li><li>• Shrub pasture; and</li><li>• Disturbed Land.</li></ul>	Trench and spoil (TS); Detail 12

Note: - Details are provided in Appendix E of the Pipeline EPP.  
1 Alternate topsoil salvage procedures and the criteria for alternative topsoil salvage handling are provided in Appendix D1 of the Pipeline EPP.

### Topsoil Salvage Depth

Topsoil depths provided on the EAS indicate ranges of topsoil likely to be present and are intended to be used as a guide during topsoil salvage activities. Salvage topsoil to the plow layer, to the color change or to 10 cm, whichever is greatest, at locations where there is little to no topsoil on hay and cultivated land. Salvage all available root zone material to the color change or to 10 cm, whichever is greatest, at locations where there is little to no topsoil on native prairie, tame pasture, hay pasture, shrub pasture, treed pasture or treed lands. Salvage to a maximum depth of 40 cm unless a greater depth is specifically noted on the EAS for selected soils. Where soils are not readily distinguishable by colour, the Environmental Inspector will provide direction. Alternative soils handling measures to be applied in areas with problem lower subsoils are outlined under the Three-Lift Soils Handling and Overstripping sections on these Index Sheets.

### Three-Lift Soils Handling

Conduct three-lift soils handling on lands with problem lower subsoils (*e.g.*, a higher salt content in the lower subsoil than the upper subsoil, variable textured soils) as indicated on the EAS. At three-lift soil handling areas, square brackets indicate upper subsoil salvage depths. For example, “20 [30]” noted on the Environmental Alignment Sheet indicates 20 cm of topsoil is to be salvaged followed by the salvage of 30 cm of upper subsoil. Note that salvaging of the upper subsoil may be deferred until trenching (see Section 7.3 of the Pipeline EPP). Salvage topsoil from the full right-of-way during non-frozen conditions (Detail 15) and from a minimal width centered over the trench (Detail 16) during frozen conditions (see Table 2). Salvage and store the upper subsoil separately from the lower subsoil at locations where three-lift soil handling is to be conducted and grading is necessary. Salvage the upper subsoil from a width at least twice the width of the trench during both non-frozen and frozen soil conditions. Ensure that the lower lift of subsoil is backfilled and compacted before the upper lift of subsoil where three-lift soils handling has been conducted.

TABLE 2

### TOPSOIL SALVAGE PROCEDURES FOR DESIGNATED THREE-LIFT AREAS

Ground Conditions	Land Use	Topsoil Salvage Method
Non-Frozen	All	Full right-of-way; Details 14, 15
Frozen	All	Minimal Width; Details 14, 15

### Overstripping

Areas requiring overstripping should salvage topsoil to the depth specified on the EAS so sufficient depth of desirable material can be returned over the pipeline during final clean-up.

### Seed Mix

Seed disturbed areas of the construction right-of-way on non-cultivated lands, or as requested by landowners or the land authority as soon as practical after final clean-up and as weather and soil conditions permit as per Section 7.6 of the Pipeline EPP (see Detail 36). Conduct seeding in the spring, if feasible. When seeding cannot be completed in the spring, suspend seeding during the summer and seed in the fall. If seeding cannot take place until fall, install temporary erosion control measures in erosion-prone sites and adjacent to watercourses and wetlands.

Allow Class III and higher wetlands, including shrubby swamps, to naturally regenerate following construction (*i.e.*, do not seed). Hand broadcast seed within the disturbed margins of Class I and Class II wetlands with Seed Mix No. 23 in the Mixed Grassland, Moist Mixed Grassland and Lake Manitoba Plain Ecoregions (*i.e.*, SKP 289.20 to SKP 751.21 and SKP 1217.42 to SKP 1281.36) and Seed Mix No. 24 in the Aspen Parkland and Southwest Manitoba Upland Ecoregions (*i.e.*, SKP 185.20 to SKP 289.20 and SKP 751.21 to SKP 1217.42).

Seed disturbed soil on upland and saline range sites within Progress and Mariposa AAFC-CPP lands with Seed Mix No. 15. Seed disturbed soil on sandy and sandy loam range sites within Progress and Mariposa AAFC-CPP land with Seed Mix No. 16 (see Detail 36 in Appendix E of the Pipeline EPP). Seed disturbed soil within Elbow AAFC-CPP lands with Seed Mix No. 16. Native seed used for reclamation on AAFC-CPP lands must be analyzed by a Canadian Food Inspection Agency accredited laboratory and tested for purity and germination.

Determine seed mix requirements for hay/pasture lands through consultation with the landowner.

ENVIRONMENTAL NOTES

**EN-01 - Compaction and Rutting:** Ensure there is sufficient frost or low enough soil moisture to allow construction without causing excessive rutting or soil compaction. Suspend activities during wet soil conditions. Narrow down temporary workspace if necessary. Postpone topsoil salvage activities until immediately prior to trenching. Reduce the width of grading in order to limit and avoid the potential for subsoil compaction. Assess the need for special trench compaction measures or equipment prior to the commencement of backfilling. Determine the locations where subsoil compaction has occurred by comparing compaction levels on and off the construction right-of-way. Decompect compacted subsoils, temporary construction access and soils damaged during wet weather to a depth of 30 cm, prior to topsoil replacement. If soils are wet, postpone decompaction until soils dry to ensure that compaction alleviation measures are effective. Employ a subsoiler plow (e.g., Paratiller) or other appropriate equipment, along segments of the construction right-of-way where topsoil salvage did not occur and subsoil compaction is severe. Do not use a subsoiler plow on native prairie or treed lands.

**EN-02 - Shallow/Deep Topsoil:** Locations with less than 10 cm of topsoil are indicated with “*shallow topsoil*” and locations with topsoils greater than 25 cm are indicated with “*deep topsoil*” on the EAS. Where there is little to no topsoil, salvage topsoil (or root zone material) to the plow layer, to the colour change or to 10 cm, whichever is greatest. However, no topsoil salvage is warranted on disturbed land where no topsoil is present. Locations with no observed topsoil cover are also labeled as “*shallow topsoil*”, indicating that a minimum of 10 cm of upper material must be salvaged and returned during final cleanup. Adjust temporary workspace areas in areas with deep topsoil, if warranted, to allow for suitable topsoil storage for construction during non-frozen soil conditions. Salvage topsoil to a maximum depth of 40 cm unless a greater depth is specifically noted for selected soils.

**EN-03 - Wind Erosion:** Implement erosion control measures as outlined in the Pipeline EPP (Sections 7.2 and 7.6, and Appendix D12 and D20 of the Pipeline EPP) at locations where soils prone to wind erosion have been identified. Suspend topsoil handling operations if drifting or topsoil loss is evident. Postpone topsoil salvage activities until 3 days prior to trenching in areas with limited topsoil depth that are prone to erosion by wind. Conduct straw crimping on wind erosion prone soils where identified by the Environmental Inspector and approved by the landowner (see Section 7.6 of the Pipeline EPP for types of straw to be used). Evaluate windrowed topsoils and tackify, apply a cereal cover crop or pack the topsoil windrow with a sheep's-foot packer or other approved equipment during non-frozen conditions, if the assessment by the Environmental Inspector indicates that soils are likely to be prone to erosion by wind. Walk-down topsoil windrow and windrow snow over it to reduce the risk of wind erosion during frozen conditions. Consider tackifying or watering down the topsoil windrow if snow is not available during frozen soil conditions.

**EN-04 - Water Erosion:** Implement erosion control measures as outlined in the Pipeline EPP (see Section 7.2, 7.6 and Appendix D12 of the Pipeline EPP) at locations with identified water erosion concerns. Install cross ditches and diversion berms on moderate to strong slopes on tame pasture, treed, treed-pasture and native prairie lands, where needed, to prevent runoff along the construction right-of-way and subsequent erosion (see Detail 31 in Appendix E of the Pipeline EPP). Exact locations of berms will be determined in the field. Tie berms into existing erosion control structures where prevalent on the adjacent right-of-way. Install berms immediately downslope of all breakers on moderate to steep slopes, where present. Construct temporary berms of subsoil, utilize sandbags or bales, or construct temporary cross berms, if approved by the landowner on cultivated and hay lands.

**EN-05 - Unstable Trench:** Increase the width of topsoil salvage where full right-of-way topsoil salvage is not planned and the trench may be prone to sloughing or the trench walls may be sloped in order to prevent topsoil from sloughing into the trench (see Detail 19 in Appendix E of the Pipeline EPP). Increase the topsoil salvage width if: trench walls do not stand up; a wider or deeper trench is otherwise needed; and extra storage is required for trench spoil. Back slope the trench until stable (up to 1:1). Limit the length of open trench and the amount of time between trenching and backfilling operations to reduce the amount of trench sloughing.

**EN-06 - Problem Lower Subsoils:** Conduct alternative soils handling (i.e., three-lift soils handling or overstripping) on lands with problem lower subsoils (e.g., soils with a higher salt content in the lower subsoil than the upper subsoil or variable textured soils).

**EN-07 - Saline, Coarse and Droughty Soils:** Straw crimp on saline, sandy and droughty soils where vegetation may be difficult to re-establish, where identified by the Environmental Inspector and approved by the landowner (see Section 7.6 of the Pipeline EPP for types of straw to be used). Crimp or anchor straw into the soil to an approximate depth of 5 cm. Straw should stand vertically 5-20 cm out of the ground in rows spaced approximately 15 cm apart. Ensure straw used for erosion control is free of regulated and non-native invasive weeds and disease. Straw to be crimped must have a minimum stem length of 30 cm.

**EN-08 - High Water Table:** Delay trenching until immediately prior to lowering-in at locations with a high water table. Assess the need for well points or other dewatering methods prior to commencing trenching to intercept groundwater at site-specific locations before it enters the trench. Dewater the trench, if warranted, when laying pipe in areas with high water tables. Direct water to an approved (when applicable), well-vegetated, upland area (see Detail 20 in Appendix E of the Pipeline EPP) at a rate that promotes infiltration of the ground surface. Ensure ground protection measures are in place to prevent scouring and/or erosion. Discharge trench water through an appropriate sediment filtering medium (e.g., geotextile bag, straw bale/silt fence dewatering structure), where warranted (see Details 20 and 21 in Appendix E of the Pipeline EPP). Monitor the water discharge site to ensure that erosion, saturation of the discharge site, flooding or flow off of the property does not occur. Suspend dewatering and either apply erosion control measures, reduce the flow or move the discharge site if it appears that the above effects could occur. Do not dewater any wetlands. Although temporary dewatering may be necessary during trenched wetland crossings, water should not be permanently removed from wetland.

**EN-09 - Wetlands:** Implement the mitigation measures outlined in Section 7.8 of the Pipeline EPP for wetlands crossed or disturbed during construction (a list of wetlands encountered by the route is provided in Table 6 of these EAS Index Sheets). Avoid or reduce grading at wetlands where practical. Narrow down the area of disturbance, including brushing and mowing at Class III, IV and V marsh wetlands and swamp wetlands, if feasible. See Appendix Q of the Pipeline EPP for topsoil salvge widths to be used at wetland crossings.

Salvage the upper surface material of all wetlands to a maximum depth of 40 cm, or to the depth of colour change where there is less than 40 cm of surface material, or as advised by the Environmental Inspector.

Salvage live, flagged or fenced willows and other shrubs and trees from the banks of wetlands where present, or as directed by the Environmental Inspector. Store at the side of the construction right-of-way in a manner in which they will not dry out before they are replanted during restoration. Install willow staking along the disturbed margins of the wetland to stabilize disturbance, reduce the potential for sediment introduction and restore habitat function where shrubs were present prior to construction in wetlands where “*willow staking*” is noted or as directed by the Environmental Inspector (see Detail 40 in Appendix E of the Pipeline EPP).

**EN-10 - Watercourses and Fish-Bearing Drainages:** Refer to Table 4 of these EAS Index Sheets for crossing methods and reclamation procedures for watercourses and fish bearing drainages. Maintain low vegetation or a vegetative ground mat within the riparian buffer of watercourses and wetlands, to the extent practical, by walking, storing and constructing over the undisturbed areas. Clearing and grading within the riparian buffer may be approved if completion of these activities will result in a reduction in erosion or sedimentation risk. Clearing and grading within the riparian buffer will be subject to the approval of the Environmental Inspector after considering slope gradient both before grading and after the slope has been graded out; and potential for sedimentation (i.e., soil texture of materials to be graded). Abide by all federal and provincial regulatory requirements and notification procedures. Adhere to the notification measures in Section 5.0 of the Pipeline EPP for navigable watercourses and implement the mitigation measures in Section 7.7 of the Pipeline EPP for navigation safety.

**EN-11 - Nonfish-Bearing Drainages:** Adhere to the relevant general mitigation measures outlined in Section 6.0 of the Pipeline EPP. See Table 4 of these EAS Index Sheets for detailed information regarding nonfish-bearing drainages.

**EN-12 - Wildlife Feature:** Implement the mitigation measures found in Section 6.0 of the Pipeline EPP. Adhere to the restricted activity period applicable to site-specific/species-specific habitat features when necessary. Refer to Appendix O of Pipeline EPP for detailed information regarding RAPs and Table 5 of these EAS Index Sheets for detailed site-specific mitigation measures.

**EN-13 - Wildlife Areas:** Adhere to the general pipeline construction mitigation measures found in Section 6.0 of the Pipeline EPP. Implement timing restriction and mitigation measures identified for each wildlife area in Appendix O of the Pipeline EPP. Refer to Table 5 of these EAS Index Sheets for site-specific mitigation recommendations.

**EN-14 - Rare Plants/Rare Communities:** Narrow down the construction right-of-way to avoid rare plants and rare ecological communities where feasible. Ensure rare plant populations are signed, staked, flagged and/or fenced-off and ensure they are maintained throughout topsoil salvage and grading activities. Implement the site-specific mitigative measures related to known vegetation species of concern as identified in Table 7 of these EAS Index Sheets. Restrict the application of herbicide within 30 m of known rare plant populations. Implement the measures outlined in the Plant Species of Concern Discovery Contingency Plan (see Appendix D2 of the Pipeline EPP) if vegetation species of concern are discovered prior to or during construction.

**EN-15 - Recreational Disturbance:** Implement the Environmental Traffic Control Plan (see Appendix D6 of the Pipeline EPP). Ensure all identified cross-country ski trails, snowmobile trails, hiking trails, equestrian trails or obvious wildlife trails are not blocked by clearing debris or slash windrows. Protect public safety near populated areas by controlling public access. Provide nearby landowners and residents, local recreation groups and Aboriginal communities with schedules prior to the initiation of construction activities to reduce disturbance to outdoor recreation and, if warranted, install signs at recreational access points notifying users of construction activities in the vicinity. Ensure that schedule changes are communicated to these groups prior to construction.

**EN-16 - Biosecurity:** Establish vehicle cleaning stations to clean equipment used during clearing and topsoil handling activities (see Appendix G of the Pipeline EPP). Implement the following vehicle cleaning methods as indicated on the EAS:

Level 1 (Rough Clean): Remove clumps of accumulated soil or crop debris from openings, tracks, tires and wheels using a hand scraper, shovel, broom or wire brush. This level of cleaning must occur on-site before leaving the selected cleaning location or the work area. Ensure cleaning is completed off of the travel lane, preferably in temporary workspace, and ensure a visual inspection is completed.

Level 2 (Mechanical Clean): Utilize compressed air after completing a rough clean, in accordance with Detail 1a (Appendix E) of the Pipeline EPP.

Level 3 (Fine Clean): Wash vehicles using a pressure washer, paying extra attention to areas where soil can accumulate (i.e., tires or undercarriage). For hydrovac trucks, cleaning includes the inside of the tank and any implement in contact with soil. This level of cleaning can be completed on-site as per Detail 1b (Appendix E) of the Pipeline EPP or at a central cleaning location. If cleaning is to occur at a central cleaning location, the equipment must be rough cleaned on-site and directly transported to the central cleaning location (i.e., car/equipment wash station or yard).

Level 4 (Disinfection): Disinfect all tracks, openings, tires, wheels and implements which may come in contact with soil with a 1-2% bleach (or alternative) solution. Where feasible, allow contact with bleach solution for approximately 15 to 20 minutes (keep areas wet with bleach solution by reapplying disinfectant when areas start to dry out). Under frozen conditions, the requirement to wait 15 to 20 minutes can be waived if the bleach mixture is freezing on the equipment. All equipment must be fine cleaned prior to disinfection with the exception of all-terrain vehicles, hand tools and boots that can be misted with disinfectant after a rough clean on-site (if a fine wash station is not available). Foot traffic may also utilize disposable boots. Hydrovac truck bleaching includes the inside of the tank and any implement in contact with soil. This level of cleaning can be completed on-site or at a central cleaning location. If cleaning is to occur at a central cleaning location the equipment must be rough cleaned on-site and directly transported to the central cleaning location (i.e., car/equipment wash station or yard).

LEGEND/GLOSSARY

TOPOGRAPHY CLASSES

Symbol	% Slope	Description
1	0-0.5	Level
2	> 0.5-2	Nearly Level
3	> 2-5	Very Gentle Slopes
4	> 6-9	Gentle Slopes
5	> 10-15	Moderate Slopes
6	> 16-30	Strong Slopes
7	> 31-45	Very Strong Slopes

LAND USE

Land Use	EAS Abbreviation	Description
Cultivated	C	Land under agricultural usage where the ground is tilled or disturbed regularly and used for the purposes of growing crops (excluding hay).
Disturbed Land	DL	Industrial or residential land or soils which have been disturbed due to prior construction activity.
Drainage Channel <sup>1</sup>	DC	Areas generally without defined bed and banks with poorly drained undifferentiated gleysolic soils along intermittent drains.
Hay	H	Land used primarily for hay production.
Hay/Pasture	HP	Land that is used for hay cultivation some years and left for grazing during others. Landowners must be consulted to determine seeding and reclamation requirements.
Native Prairie	NP	Land that supports native prairie vegetation.
Open Water <sup>2</sup>	Q	Open bodies of water.
River <sup>2</sup>	RI	Notable rivers.
Rough Broken <sup>1</sup>	RB	Steep slopes along drainage channels highly susceptible to soil erosion and slumping when the protective vegetation is removed.
Shrub Pasture	SP	Pasture land with shrub cover in excess of 10-20%.
Stream Channel <sup>1</sup>	SC	Channels with defined banks with undifferentiated regosolic and gleysolic soils developed on recent fluvial sediments.
Tame Pasture	P	Cleared land that is not being cultivated and does not support native prairie vegetation which is predominantly used for grazing.
Treed	T	Land with tree cover in excess of 5%.
Treed Pasture	T-P	Areas that are a mixture of trees and pasture.
Not Surveyed	NS	Locations where surveys will be completed prior to construction.

**Note:**

1

Miscellaneous land units identified by the soils program are delineated and labelled on the photomosaic portion of the alignment sheets. These areas are assigned at a smaller scale than general land use designations and are, therefore, not included in land use.

2

Land Units which have implications to soil properties and are labelled on the photomosaic. These areas may be assigned at a smaller scale than general land use designations and therefore may differ from the overall land use designation.

SOIL PHASES

Soil Phase	EAS Label	Soils Description
Gleyed	gl	Imperfectly-drained and exhibit mottling and gleying features in the subsoil.
Gravelly	gv	Areas of Biggar soils that are gravelly.
Shallow	sh	Soils with an unconforming parent material within 1.7 m of the surface ( <i>i.e.</i> , till overlying weathered bedrock, glaciofluvial material overlying till, or glaciolacustrine material overlying till).
Stony	st	Asquith, Darlingford, Oxbow and Weyburn soils that are stonier than normal. Usually these soils are very to exceedingly stony at the surface.
Saline lower subsoil	sc	Chernozemic soils with a higher level of salts in the lower subsoil than upper subsoil. Usually salts are displayed in the lower subsoil.
Saline	sa	Areas of Chernozemic and Gleysolic soils that are moderately to strongly saline at or near the surface. The topsoil horizon may also be saline.

Source: Mentiga Pedology Consultants (Mentiga) 2014

FISH AND FISH HABITAT QUALITY

Rating	Description
Low	No suitable habitat present for a specific fish species and/or life history stage. Indicators of low quality habitat include: A reach where habitat characteristics, such as water quality, were considered inadequate to support aquatic life (Canadian Council of Ministers of the Environment) and/or physical attributes of the reach were insufficient to provide for the life history stage requirements of fish species that may be present within the study reach.
Moderate	Habitat that has low productive capacity and contributes marginally to fish production. Moderate quality habitat provides limited habitat potential for fish life history requirements. Moderate quality habitat includes habitat that is not available to fish due to natural permanent barriers as well as habitat that is available to fish but supports limited fish use. Indicators of moderate quality habitat include: the absence of suitable spawning or wintering habitat and habitat with low rearing potential ( <i>e.g.</i> , locations with a distinct absence of deep pools, undercut banks or stable debris and with little or no suitable spawning substrate for the fish species present), poor water quality and/or limiting hydrological or physical conditions.
High	Habitat that is used by fish for feeding, rearing, wintering and migration that is important to the fish population but is not deemed to be critical. This category of habitat usually contains a large amount of similar habitat that is readily available to fish. High quality habitat provides the necessary physical and biological requirements for a fish species and life history stage. Generally, habitat with optimal or suboptimal habitat potential is high quality. Indicators of high quality habitat include: Important migration corridors, the presence of suitable spawning and wintering habitat, and/or habitat with moderate rearing potential for the fish species present.
Very High	Habitat that is essential in sustaining a subsistence, commercial or recreational fishery, or a species of management concern ( <i>i.e.</i> , provincially-listed species, those designated by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) or <i>Species at Risk Act</i> (SARA)-listed species). Very high quality habitat is rare or uncommon, exceptionally productive, has very high habitat values, and is not often encountered. Indicators of very high quality habitat include: the presence of exceptionally high value spawning or rearing habitat ( <i>e.g.</i> , locations with an abundance of suitable spawning substrate, deep pools, undercut banks, or stable debris) which are essential to the fish population present; or the presence of a SARA-listed species, its residence or essential habitat identified in a SARA recovery strategy or action plan.

**Note:** Fish habitat ratings pertain to sportfish only and low quality habitat may still contain non sportfish.

WATERCOURSES/HYDROLOGY

Feature	Description
Watercourse	Defined bed and banks and sufficient annual flow to scour out the land and leave behind some deposition. Usually the bottom is covered with fine silt, sand, gravel, cobble, etc.
Waterbody	Lacks defined bed or banks.

GENERAL SOILS ISSUES

Issue	Description
Problem Lower Subsoils	Soils that meet the criteria for alternative soils handling.
High Water Table	Locations along the construction right-of-way with increased potential to experience groundwater discharge in open excavations by intersecting the water table.
Coarse Soils	Soils with very coarse textures that may hinder revegetation efforts.
Saline Upper Soils	Soils which are strongly saline at the surface that may hinder revegetation efforts.
Droughty Soils	Soils with low water-holding capacities that may hinder revegetation efforts.

Source: Mentiga 2014

SOIL PARENT MATERIALS

Parent Material	EAS Label	Description
Colluvium	C	Colluvium refers to sediments that are deposited by the force of gravity. Colluvium deposits are usually loose, weathered materials located at the foot of a cliff or slope.
Eolian	E	Eolian deposits are sediments that have been transported by wind and generally consist of medium to fine sand and coarse silt.
Fluvial	F	Fluvial deposits are sediments that have been transported by rivers and streams ( <i>i.e.</i> , moving water). Generally these sediments are composed of sand and gravel with minor silt.
Glaciofluvial	GF	Glaciofluvial deposits are fluvial deposits that been deposited in front of, or in contact with, glacier ice.
Glaciolacustrine	GL	Glaciolacustrine refers to sediments associated with glacial lakes. Glaciolacustrine sediments are generally stratified fine sand, silt, and clay deposited on a glacial lake bed, or moderately well sorted and stratified sand and coarser material deposited by wave action.
Organic	O	Organic deposits form when the rate of organic accumulation exceeds the rate of decomposition. Generally, organic deposits contain greater than 40 cm of organic material overlaying mineral deposits.
Till	T	Till is unstratified and poorly sorted material deposited by glacial ice. Till is composed of varying degrees of sand, silt or clay.
Veneer	V	Unconsolidated materials too thin to mask the minor irregularities of the underlying surface. Veneer's range in depth from 10-100 cm and show no form typical of parent genesis.
Weathered bedrock	B	Underlying bedrock that is soft and can be excavated using normal construction equipment.
Not applicable	-	Soil parent material not discernible or not present.
Not surveyed	NS	Surveys will be completed prior to construction.

Source: Mentiga 2014

ECOREGIONS

Province	Ecoregion (AB Natural Region)	Proportion of Route	Description
AB	Aspen Parkland (Central Parkland Natural Subregion)	9.36%	<ul style="list-style-type: none"><li>Native vegetation consists of plans rough fescue, western porcupine grass, northern wheatgrass, slender wheatgrass and hooker's oatgrass.</li><li>Aspen stands restricted to moist sites.</li><li>Leafy spurge has been identified in cultivated and pasture lands.</li></ul>
AB	Aspen Parkland (Northern Fescue Natural Subregion)	0.34%	<ul style="list-style-type: none"><li>Native vegetation consists of plans rough fescue, and mountain rough fescue.</li><li>Willow and buck brush in moist sites.</li></ul>
SK	Aspen Parkland	20.25%	<ul style="list-style-type: none"><li>Native vegetation consists of a mosaic of aspen groves and fescue grasslands.</li><li>Trembling aspen, Saskatoon, wolf willow, and bluegrass.</li></ul>
SK	Mixed Grassland	5.81%	<ul style="list-style-type: none"><li>Native vegetation consists of speargrass, blue grama, wheatgrass, June grass and sedges.</li></ul>
SK	Moist Mixed Grassland	37.58%	<ul style="list-style-type: none"><li>Native vegetation consists of speargrass, wheatgrass, blue grama, rough fescue, chokecherry, wolf willow and Saskatoon.</li></ul>
MB	Aspen Parkland	17.37%	<ul style="list-style-type: none"><li>Native vegetation consists of a mosaic of aspen groves and fescue grasslands.</li><li>Trembling aspen, willow, Saskatoon, and bluegrass.</li></ul>
MB	Lake Manitoba Plain	5.61%	<ul style="list-style-type: none"><li>Native vegetation consists of a mosaic of aspen groves, bur oak and fescue grasslands.</li><li>Trembling aspen, bur oak, willow, sedges and fescue.</li></ul>
MB	Southwest Manitoba Uplands	3.67%	<ul style="list-style-type: none"><li>Native vegetation consists of trees with understories of tall shrubs and herbs.</li><li>Trembling aspen, balsam poplar, and willow.</li></ul>

Source: Saskatchewan Environment and Resource Management 1998, W. L Strong Ecological Land Surveys LTD 1992, Smith *et al.* 1998

CLI SOIL CLASSES

Class	Description
1	No significant limitations in use for crops.
2	Moderate limitations that restrict the range of crops or require moderate conservation practices.
3	Moderately severe limitations that restrict the range of crops or require special conservation practices.
4	Severe limitations that restrict the range of crops or require special conservation practices.
5	Very severe limitations that restrict their capability in producing perennial forage crops, and improvement practices are feasible.
6	Capable only of producing perennial forage crops, and improvement practices are not feasible.
7	No capacity for arable culture or permanent pasture.
0	Organic Soils (not placed in capability classes).

Source: Agriculture and Agri-Food Canada 2013.

CLI SOIL SUBCLASSES

Subclass	Description
C	Adverse climate
D	Undesirable soils structure and/or low permeability
E	Erosion
F	Low fertility
I	Inundation by streams or lakes
M	Moisture limitations
N	Salinity
P	Stoniness
R	Consolidated bedrock
S	Combination of subclasses
T	Topography
W	Excess water
X	This subclass is comprised of soils having a limitation resulting from the cumulative effect of two or more adverse characteristics

Source: Agriculture and Agri-Food Canada 2013.

WETLANDS

Dominant Wetland Class	General Wetland Class Characteristics
Class I (Ephemeral Marsh)	Occur in low areas and contain prairie vegetation species such as arnicas and white camas, as well as Kentucky bluegrass.
Class II (Temporary Marsh)	The wet meadow zone dominates the deepest part of the wetland area. A peripheral low-prairie zone is usually present. The central zone is usually dominated by vegetation species that can tolerate some salts, such as western wheatgrass, foxtail barley and salt-grass.
Class I/Class II (Ephemeral Marsh/Temporary Marsh)	Class I and II wetlands identified during the helicopter overflight and not identified in previous projects, were identified as Class I/II. The vegetation community structure must be assessed during ground-based surveys to categorize as a Class I or Class II wetland with certainty.
Class III (Seasonal Marsh)	Seasonal potholes are wetlands with a shallow-marsh zone dominating the deepest part of the wetland area. These ponds are frequently surrounded by a ring of willows with a wet centre containing sedges for freshwater wetlands, or bulrushes in more brackish wetlands. Pondweeds may occur in the open-water. Brackish ponds may have halophytic vegetation in the drawdown area, such as foxtail barley, red goosefoot, oak-leaved goosefoot or summer cypress.
Class IV (Semi-Permanent Marsh)	The deep-marsh zone dominates the deepest part of the wetland area. Shallow-marsh, wet meadow and low-prairie zones are usually present. Cattails and rushes are typical emergent species, while aquatic plants such as pondweeds, bladderwort, water-milfoil and water hornwort are found floating in the centre. The edges of brackish semi-permanent potholes typically contain prairie bulrush, alkali grass and red samphire.
Class V (Open Water Pond)	The permanent open-water zone dominates the deepest part of the wetland area. Peripheral deep-marsh, shallow-marsh, wet meadow and low-prairie zones are often present. The centre portion of a permanent lake or pothole is typically open-water, although submerged vegetation may occur, such as widgeon-grass (S1).
Class VI (Alkali Marsh)	The intermittent alkali zone dominates the deepest part of the wetland area. This zone is characterized by highly saline shallow water that, in its drawn-down phase, appears as white alkali salt flats. In Alkali Ponds and Lakes peripheral shallow-marsh, wet meadow, and low-prairie zones are usually present and populated with more salt-tolerant vegetation, such as Nuttall's salt-meadow grass, salt grass, samphire, western wheatgrass, arrowgrass and scratch grass.
Swamp (Treed and Shrubby)	Mineral wetland with the occasional peat veneer. The water table in these wetlands is typically at or below the surface. Deciduous and/or coniferous tree species dominate the vegetation community of treed swamps. Shrub species ( <i>e.g.</i> , willows) dominate the vegetation community of shrubby swamps.
Wetland Complex	Features that are hydrologically connected ( <i>e.g.</i> , through drainage features) or exhibit more than one wetland type ( <i>e.g.</i> , swamp and marsh).
Artificial Wetland	Artificial wetlands likely contain surface water and may contain wetland vegetation and hydric soils. These features have been anthropogenically altered and may have features that impede surficial hydrology ( <i>e.g.</i> , berms, roads). Artificial wetlands may be associated with naturally occurring wetlands, watercourses, or drainage features.
Dugout	Considered artificial wetlands intended for agricultural use.
Non-Wetland	Wetland classes are assigned based on the presence of three necessary wetland criteria: hydrology, hydric soils and wetland vegetation. Features that lack one of the three wetland criteria ( <i>e.g.</i> , wetland lacks necessary vegetation as it seeded with agronomic species), have been delineated as non-wetland features.

RARE PLANTS AND RARE COMMUNITIES

Feature	Description
Rare Plant	A population of a plant species considered to be uncommon, rare or in decline by provincial ( <i>e.g.</i> , Alberta Conversation Information Management System [ACIMS], Saskatchewan CDC, Manitoba CDC) and federal ( <i>e.g.</i> SARA, COSEWIC) conservation authorities.
Rare Community	A recurring assemblage of plant species considered to be uncommon, rare or in decline by provincial ( <i>e.g.</i> , ACIMS, Saskatchewan CDC, Manitoba CDC) and federal ( <i>e.g.</i> SARA, COSEWIC) conservation authorities.

RARE PLANTS AND RARE COMMUNITY RANKINGS

Rank <sup>1</sup>	Description
S1 Critically Imperilled	Due to extreme rarity or due to some factor(s) making it especially vulnerable to extirpation. Typically five or fewer occurrences or very few remaining individuals (<1,000).
S2 Imperilled	Due to rarity or due to some factor(s) making it very vulnerable to extirpation. Typically 6-20 occurrences or few remaining individuals (1,000-3,000).
S3 Vulnerable	Rare and uncommon, or found in a restricted range (even if abundant at some locations), or due to other factors making it vulnerable to extirpation. Typically 21-100 occurrences or between 3,000 and 10,000 individuals.
S4 Apparently Secure	Uncommon, however, not rare and usually widespread in the province. Possible cause of long-term concern. Usually more than 100 occurrences and more than 10,000 individuals.
S5 Secure	Common, widespread and abundant in the province. Essentially ineradicable under present conditions. Typically with considerably more than 100 occurrences and more than 10,000 individuals.
SNo. SNo. Range Rank	A numeric range rank ( <i>e.g.</i> , S2S3) is used to indicate the range of uncertainty about the exact status of the element.
SH Possibly Extirpated	Known from only historical records but still some hope of rediscovery. There is evidence that the species may no longer be present in the jurisdiction, but not enough to state this with certainty.
SU Unrankable	Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
SNo. ? Inexact numeric rank	Denotes inexact numeric rank.
Q Questionable taxonomy	Taxonomic status is questionable; numeric rank may change with taxonomy.
T	Designates a rank associated with a subspecies.
(W) Watch List	Elements that are not currently considered as high conservation concern, but there is some information to suggest that they may become rare should there be significant alterations to the element's habitats or population. Data for watch listed elements are collected by ACIMS (Alberta Tourism, Parks and Recreation [ATPR] 2013).
NR Unranked	Rank not yet assessed.

**Note:** 1 Provincial (S) ranks are assigned by the provincial and federal Conservation Data Centre(s) (CDC[s]); in cases of conflict or missing data, the provincial CDC will have preference. Ranks range from 1 (five or fewer occurrences) to 5 (demonstrably secure under present conditions); definitions are adapted from NatureServe (2013b) unless noted otherwise.

WILDLIFE AND WILDLIFE HABITAT

EAS Label	Species/Feature
STGR	Sharp-tailed grouse
AMBI	American bittern
BLTE	Black tern
CATO	Canadian toad
LOSH	Loggerhead shrike
PLSP	Plains spadefoot
FEHA	Ferruginous hawk
EAGR	Eared grebe
HOGH	Horned grebe
NLFR	Northern leopard frog
MBC SITE	Migratory Bird Convention Site

WILDLIFE AND WILDLIFE HABITAT PROVINCIAL RANKINGS

Rank <sup>1</sup>	Description
S1 Critically Imperilled	At high risk of extirpation in the jurisdiction due to very restricted range, very few populations or occurrences, very steep declines, severe threats or other factors.
S2 Imperilled	At risk of extirpation in the jurisdiction due to restricted range, few populations or occurrences, steep declines, severe threats or other factors.
S3 Vulnerable	At moderate risk of extirpation in the jurisdiction due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats or other factors.
S4 Apparently Secure	At a fairly low risk of extirpation in the jurisdiction due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats or other factors.
S5 Secure	At very low or no risk of extirpation in the jurisdiction due to a very extensive range, abundant populations or occurrences, with little to no concern from declines or threats.
SNo. SNo. Range Rank	A numeric range rank ( <i>e.g.</i> , S2S3) is used to indicate any range of uncertainty about the status of the species.
SU Unrankable	Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
SNo. ? Inexact numeric rank	Inexact numeric rank: denotes inexact numeric rank.
Q Questionable taxonomy	Taxonomic status is questionable; numeric rank may change with taxonomy.
(W) Watch List	Elements that are not currently considered as high conservation concern, but there is some information to suggest that they may become rare should there be significant alterations to the element's habitats or population (ACIMS 2014a).
--	Data unavailable.

**Note:** 1 Provincial (S) ranks are assigned by ATPR (2014). Only ranks S1 to S3 or a rank involving S1 to S3 (*e.g.*, S3S4) are included in this table, as well as all species on the ACIMS Tracking and Watch lists. All definitions are adapted from NatureServe (2014), unless otherwise noted.

WILDLIFE AND WILDLIFE HABITAT FEDERAL RANKINGS

Rank <sup>1</sup>	Description
Endangered	A wildlife species facing imminent extirpation or extinction.
Threatened	A wildlife species that is likely to become Endangered if nothing is done to reverse the factors leading to its extirpation or extinction.
Special Concern	A wildlife species that may become Threatened or Endangered because of a combination of biological characteristics and identified threats.

**Note:** 1 Values in this table are based on information from the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) (2014) and the *Species at Risk Act (SARA)*. The *Act* establishes Schedule 1 as the list of species to be protected on all federal lands in Canada. The *Act* also applies to all lands in Canada for Schedule 1 bird species cited in the *Migratory Birds Convention Act*. This table only includes designations of Endangered, Threatened and Special Concern.

TABLE 3AB

SUMMARY OF SOIL CHARACTERISTICS ALONG ROUTE IN ALBERTA

Soil Type	Soil Name	SKP Range¹	Proportion (length) of Route	Soils Classification	Parent Material	Texture Class	Drainage Class	Topsoil Depth Range (cm)	Colour Differentiation	Erosion Hazard²		Susceptible to		Comments or Other Concerns
										Wind	Water	Compaction and Rutting	Trench Instability	
AQ	Asquith	283.9 to 284.8	0.94% (0.94 km)	Orthic Dark Brown Chernozem	glaciofluvial	sandy loam to loamy sand	well to rapidly	8-75	Good	H	S-M	-	Yes	Highly susceptible to wind erosion when vegetation is disturbed.
BG	Biggar	280.5 to 283.9	2.37% (2.37 km)	Orthic Dark Brown Chernozem	glaciofluvial	coarse sandy loam to loamy coarse sand	well to rapidly	8-25	Good	H	S-M	-	Yes	Very coarse textures may hinder revegetation efforts.
CNN	Coronation	254.6 to 279.0	4.92% (4.93 km)	Orthic Dark Brown Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	15-28	Good	M	S-M	-	-	-
saCNN	saline Coronation	256.9 to 261.2	1.80% (1.80 km)	saline Orthic Dark Brown Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	20-25	Good	M	S	-	-	Strongly saline at the surface which may hinder revegetation efforts.
scCNN	Coronation with saline lower subsoil	258.8 to 270.9	4.60% (4.61 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciolacustrine	loam to silty clay loam	well to moderately well	18-25	Good	M	S	-	-	Lower subsoil is more saline than upper subsoil - some of these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil.
DCY	Dolcy	188.0 to 281.9	8.57% (8.59 km)	Orthic Dark Brown Chernozem	glaciofluvial overlying till	sandy loam overlying loam to clay loam	well	15-50	Good	H	S-H	-	Yes³	Surface stoniness may be increased due to underlying till.
scDCY	Dolcy with saline lower subsoil	253.0 to 260.3	0.25% (0.25 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciofluvial overlying till	sandy loam overlying loam to clay loam	well	15	Good	H	S	-	-	Weakly to moderately saline in the lower subsoil at the 35-50 cm depth.
DS	Dune Sand	206.2 to 233.2	1.73% (1.74 km)	Orthic Regisol	eolian	loamy sand to sand	rapidly	0-10	Poor	H	S-H	-	Yes	Often lacks a topsoil horizon but salvage upper 10 cm - very coarse textures and droughty soil will hinder revegetation efforts.
DSJ	Desjarlais	185.8 to 243.7	0.74% (0.75 km)	Rego Gleysol	glaciofluvial	loamy sand	poorly	5-7	Good	H	S	Yes	Yes	Salvage upper 10-15 cm of material.
GR	Grill Lake	222.6 to 282.3	2.36% (2.37 km)	saline Rego Gleysol	glaciolacustrine	clay to heavy clay	poorly	0-25	Poor	S	S	Yes	-	These soils are usually saline at or near the surface which may hinder revegetation efforts - may have unstable trench walls in excessively wet areas.
HND	Hughenden	187.6 to 225.4	18.57% (18.62 km)	Orthic Dark Brown Chernozem	till	loam to clay loam	well to moderately well	5-30	Good	M	S-H	-	-	-
schND	Hughenden with saline lower subsoil	217.0 to 217.4	0.40% (0.40 km)	Orthic Dark Brown Chernozem with saline lower subsoil	till	loam to clay loam	well to moderately well	12	Good	M	S	-	-	Lower subsoil is more saline than upper subsoil - these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil.
HYL	Hairy Hill	260.1 to 260.7	0.36% (0.36 km)	saline Rego Humic Gleysol	glaciolacustrine or till	loam to clay loam	poorly to very poor	15-40	Good	S	S	Yes	-	Strongly saline and sodic to the surface which may hinder revegetation efforts - may have unstable trench walls in excessively wet areas.
MET	Metiskow	235.8 to 280.3	9.49% (9.52 km)	Orthic Dark Brown Chernozem	glaciofluvial	sandy loam	well	10-55	Good	H	S-M	-	Yes	-
scMET	Metiskow with saline lower subsoil	258.3 to 258.8	0.51% (0.51 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciofluvial	sandy loam	well	18-20	Good	H	S	-	Yes	Lower subsoil is more saline than upper subsoil - these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil.
PRO	Provost	271.7 to 277.6	5.31% (5.33 km)	Orthic Dark Brown Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	13-22	Good	M	S	-	-	Surface stoniness may be increased due to underlying till.
saPRO	saline Provost	280.3 to 280.5	0.21% (0.21 km)	saline Orthic Dark Brown Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	20	Good	M	M	-	-	May be strongly saline at the surface which may hinder revegetation efforts.
scPRO	Provost with saline lower subsoil	270.9 to 278.3	1.75% (1.75 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	13-15	Good	M	S	-	-	Lower subsoil is more saline than upper subsoil.
SCD	Scollard	184.8 to 224.7	2.47% (2.48 km)	Orthic Dark Brown Chernozem	glaciofluvial	gravelly sandy loam	rapidly	14-22	Good	H	S-M	-	Yes	Some of these soils have been recommended for the 3-lift soils handling procedure due to coarse sands and pea-gravel at the 50-70 cm depth.
WWT	Wainwright	184.6 to 264.1	32.1% (32.19 km)	Orthic Dark Brown Chernozem	glaciofluvial-eolian	loamy sand to sand	rapidly	5-65	Fair-Good	H	S-H	-	Yes	Droughty soil and difficult to re-establish vegetation - highly susceptible to wind erosion when the vegetation is disturbed.
DL	Disturbed Land	-	0.24% (0.24 km)	-	-	-	-	-	-	-	-	-	-	-
O	Open Water	-	0.32% (0.32 km)	-	-	-	-	-	-	-	-	-	-	-

- Source: Mentiga 2014
- Notes:

1

Soil occurs intermittently between listed SKP locations.

2

Erosion Hazard Ratings:

S - slight

M - moderate

H - high

3

Susceptible to trench instability when sandy textured material is greater than 60 cm thick after topsoil removal.

TABLE 3SK

SUMMARY OF SOIL CHARACTERISTICS ALONG ROUTE IN SASKATCHEWAN

Soil Type	Soil Name	SKP Range¹	Proportion (length) of Route	Soils Classification	Parent Material	Texture Class	Drainage Class	Topsoil Depth Range (cm)	Colour Differentiation	Erosion Hazard²		Susceptible to		Comments or Other Concerns
										Wind	Water	Compaction and Rutting	Trench Instability	
AQ	Asquith	284.8 to 749.8	4.16% (28.35 km)	Orthic Dark Brown Chernozem	glaciofluvial	sandy loam to loamy sand	well to rapidly	8-75	Good	H	S-M	-	Yes	Highly susceptible to wind erosion when vegetation is disturbed
shAQ	shallow Asquith	287.0 to 573.0	0.75% (5.10 km)	Orthic Dark Brown Chernozem	glaciofluvial overlying glaciolacustrine	sandy loam to loamy sand overlying loam to silty clay loam	well to rapidly	10-30	Good	H	S	-	Yes³	Highly susceptible to wind erosion when vegetation is disturbed
stAQ	stony Asquith	636.0 to 638.5	0.24% (1.65 km)	Orthic Dark Brown Chernozem	glaciofluvial	stony sandy loam to stony loamy sand	well to rapidly	10-12	Good	H	S-M	-	Yes	Highly susceptible to wind erosion when vegetation is disturbed
AV	Alluvium	518.1 to 670.9	0.30% (2.04 km)	Gleyed Cumulic and Orthic Humic Regosol	fluvial	sandy loam to loam to silty clay loam	well to imperfectly	8-30	Good	M	S	-	-	May have thin layers of gravel or sand at depth
saAV	saline Alluvium	437.6 to 479.7	0.13% (0.87 km)	saline Gleyed Cumulic and Orthic Humic Regosol	fluvial	sandy loam to loam to silty clay loam	imperfectly to moderately well	15-22	Good	M	S	Yes	-	Strongly saline at the surface which may hinder revegetation efforts
BG	Biggar	321.2 to 802.7	1.21% (8.23 km)	Orthic Dark Brown Chernozem	glaciofluvial	coarse sandy loam to loamy coarse sand	well to rapidly	8-25	Good	H	S-M	-	Yes	Very coarse textures may hinder revegetation efforts
gvBG	gravelly Biggar	598.9 to 611.5	0.36% (2.45 km)	Orthic Dark Brown Chernozem	glaciofluvial	gravelly coarse sandy loam to gravelly loamy coarse sand	rapidly	10-15	Good	H	S	-	Yes	Gravelly subsoil may increase gravel content on surface
shBG	shallow Biggar	598.0 to 598.3	0.04% (0.27 km)	Orthic Dark Brown Chernozem	glaciofluvial overlying till	coarse sandy loam to loamy coarse sand overlying loam to clay loam	well	18	Good	H	S	-	Yes	Very coarse textures may hinder revegetation efforts
BR	Bradwell	521.1 to 777.7	2.48% (16.91 km)	Orthic Dark Brown Chernozem	glaciofluvial-glaciolacustrine	sandy loam to loam	well	10-40	Good	M-H	S	-	-	-
saBR	saline Bradwell	524.4 to 639.0	0.39% (2.68 km)	saline Orthic Dark Brown Chernozem	glaciofluvial-glaciolacustrine	sandy loam to loam	well	15-35	Good	M-H	S	-	-	May be strongly saline at the surface which may hinder revegetation efforts
sashBR	saline, shallow Bradwell	527.8 to 528.3	0.08% (0.56 km)	saline Orthic Dark Brown Chernozem	glaciofluvial overlying till	sandy loam to loam overlying loam to clay loam	well	20-30	Good	M-H	S	-	-	May be strongly saline at the surface which may hinder revegetation efforts - surface stoniness may be increased due to underlying till
scBR	Bradwell with saline lower subsoil	677.4 to 678.6	0.17% (1.14 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciofluvial-glaciolacustrine	sandy loam to loam	well	15-40	Good	M-H	S	-	-	Lower subsoil is more saline than upper subsoil
scshBR	shallow Bradwell with saline lower subsoil	688.0 to 689.1	0.16% (1.09 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciofluvial overlying till	sandy loam to loam overlying loam to silty clay loam	well	15-30	Good	M-H	S	-	-	Finer textured and more saline in lower subsoil than upper subsoil - surface stoniness may be increased due to underlying till
shBR	shallow Bradwell	289.2 to 751.6	1.61% (10.94 km)	Orthic Dark Brown Chernozem	glaciofluvial overlying till	sandy loam to loam overlying loam to clay loam	well	10-40	Good	M-H	S-M	-	-	Finer textured and stonier in lower subsoil than upper subsoil - surface stoniness may be increased due to underlying till
CD	Cudworth	949.7 to 950.1	0.07% (0.49 km)	Orthic and Rego Black Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	30	Good	M	S	-	-	-
saCD	saline Cudworth	889.4 to 889.8	0.06% (0.39 km)	saline Orthic and Rego Black Chernozem	glaciolacustrine	loam to silty clay loam	moderately well	40	Good	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
sashCD	saline, shallow Cudworth	857.2 to 857.9	0.11% (0.74 km)	saline Orthic and Rego Black Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	13	Good	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts - surface stoniness may be increased due to underlying till
shCD	shallow Cudworth	879.9 to 951.7	0.42% (2.87 km)	Orthic and Rego Black Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	13-33	Good	M	S	-	-	Surface stoniness may be increased due to underlying till
CH	Chaplin	343.6 to 354.8	0.14% (0.96 km)	Orthic Brown Chernozem	glaciofluvial	gravelly sandy loam to gravelly loamy sand	rapidly	8-15	Poor	H	S-M	-	Yes	Gravelly subsoil may increase gravel content on surface
CT	Cathkin	286.5 to 683.8	0.24% (1.66 km)	saline Rego Gleysol	fluvial-glaciofluvial	sandy loam	poorly	18-22	Fair-Poor	H	S	Yes	Yes	Can be strongly saline at surface which may hinder revegetation efforts
CZK	Cazlake	812.0 to 923.4	0.27% (1.81 km)	Rego and Orthic Humic Gleysol	till	clay loam to clay	poorly	20-60	Fair-Good	S	S	Yes	-	Susceptible to unstable trench walls when excessively wet
saCZK	saline Cazlake	821.3 to 948.9	0.87% (5.96 km)	saline Rego and Orthic Humic Gleysol	till	clay loam to clay	poorly	15-40	Fair-Good	S	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts - susceptible to unstable trench walls when excessively wet
DS	Dune Sand	573.6 to 579.7	0.22% (1.48 km)	Orthic Regisol	eolian	loamy sand to sand	rapidly	0-10	Poor	H	S-H	-	Yes	Often lacks a topsoil horizon but salvage upper 10 cm - very coarse textures and droughty soil will hinder revegetation efforts
shDS	shallow Dune Sand	576.8 to 580.3	0.33% (2.23 km)	Orthic Regisol	eolian overlying glaciofluvial or till	loamy sand to sand overlying sandy loam to loam	rapidly	0-8	Poor	H	S	-	Yes	Often lacks a topsoil horizon but salvage upper 10 cm - very coarse textures and droughty soil will hinder revegetation efforts
EW	Elstow	301.0 to 693.1	2.36% (16.03 km)	Orthic Dark Brown Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	10-25	Good	M	S	-	-	-
saEW	saline Elstow	307.5 to 690.7	1.09% (7.41 km)	saline Orthic Dark Brown Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	12-30	Good	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
scEW	Elstow with saline lower subsoil	291.0 to 441.1	0.89% (6.06 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciolacustrine	loam to silty clay loam	well to moderately well	10-17	Good	M	S	-	-	Lower subsoil is more saline than upper subsoil - some of these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil
FG	Forget	778.0 to 803.6	2.17% (14.81 km)	Orthic Dark Brown Chernozem	till	loam to sandy loam	well	8-25	Good	M-H	S-M	-	-	Sometimes very stony and sandy textured



TABLE 3SK Cont'd

Soil Type	Soil Name	SKP Range <sup>1</sup>	Proportion (length) of Route	Soils Classification	Parent Material	Texture Class	Drainage Class	Topsoil Depth Range (cm)	Colour Differentiation	Erosion Hazard <sup>2</sup>		Susceptible to		Comments or Other Concerns
										Wind	Water	Compaction and Rutting	Trench Instability	
saFG	saline Forget	779.7 to 780.0	0.05% (0.35 km)	saline Orthic Dark Brown Chernozem	till	loam to sandy loam	well	25	Good	M-H	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
scFG	Forget with saline lower subsoil	792.5 to 792.9	0.06% (0.40 km)	Orthic Dark Brown Chernozem with saline lower subsoil	till	loam to sandy loam	well	17-20	Good	M-H	S	-	-	Lower subsoil is more saline than upper subsoil - these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil
FK	Flat Lake	335.3 to 803.5	1.29% (8.80 km)	saline Rego Gleysol	till or glaciolacustrine	loam to clay loam	poorly	0-35	Fair-Good	S	S	Yes	-	These soils are usually saline at or near the surface which may hinder revegetation efforts - may have unstable trench walls in excessively wet areas
GN	Glenavon	834.2 to 936.4	0.33% (2.25 km)	Orthic and Rego Black Chernozem	glaciolacustrine overlying till	loam to clay overlying clay loam	well to moderately well	5-20	Good	M	S	-	-	Finer textured members may be susceptible to soil compaction
glGN	gleyed Glenavon	814.9 to 815.3	0.05% (0.33 km)	gleyed Black Chernozem and gleyed Rego Black Chernozem	glaciolacustrine overlying till	loam to clay overlying clay loam	imperfectly	25	Good	M	S	Yes	-	-
GR	Grill Lake	304.0 to 726.3	0.9% (6.14 km)	saline Rego Gleysol	glaciolacustrine	clay to heavy clay	poorly	0-25	Poor	S	S	Yes	-	These soils are usually saline at or near the surface which may hinder revegetation efforts - may have unstable trench walls in excessively wet areas
GY	Gilroy	341.5 to 342.2	0.10% (0.69 km)	Brown Solonetz	glaciolacustrine	loam	moderately well	24	Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)
shGY	shallow Gilroy	345.0 to 345.4	0.06% (0.39 km)	Brown Solonetz	glaciolacustrine overlying till	loam overlying loam to clay loam	moderately well	12	Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)
HR	Haverhill	343.8 to 357.7	0.72% (4.88 km)	Orthic Brown Chernozem	till	loam	well	10-20	Poor	M	S-M	-	-	-
HT	Hatton	338.8 to 348.1	0.76% (5.17 km)	Orthic Brown Chernozem	glaciofluvial	sandy loam to loamy sand	well to rapidly	15-32	Poor	H	S	-	Yes	Highly susceptible to wind erosion when vegetation is disturbed
shHT	shallow Hatton	348.1 to 348.6	0.06% (0.44 km)	Orthic Brown Chernozem	glaciofluvial overlying till	sandy loam to loamy sand overlying loam	well	14	Poor	H	S	-	-	Highly susceptible to wind erosion when vegetation is disturbed - surface stoniness may be increased due to underlying till
shHY	shallow Hanley	558.5 to 602.7	0.95% (6.46 km)	Dark Brown Solonetz	glaciolacustrine overlying till	silty loam to silty clay loam overlying loam to clay loam	moderately well to imperfectly	10-20	Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)
KH	Kettlehut	346.1 to 374.6	1.20% (8.16 km)	Brown Solonetz	till	clay loam	moderately well to imperfectly	8-15	Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)
KN	Kelstern	336.1 to 370.3	0.46% (3.16 km)	Brown Solodized Solonetz	glaciolacustrine	loam to silty clay loam	moderately well to imperfectly	4-13	Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)
shKN	shallow Kelstern	353.8 to 366.3	0.88% (5.98 km)	Brown Solodized Solonetz	glaciolacustrine overlying till	silty loam to silty clay loam overlying clay loam	moderately well to imperfectly	8-17	Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)
OBO	Osborne	905.7 to 908.1	0.04% (0.29 km)	Rego Humic Gleysol	glaciolacustrine	silty clay loam to clay	poorly	20-65	Fair-Good	S	S	Yes	-	Susceptible to unstable trench walls in excessively wet areas
saOBO	saline Osborne	825.7 to 953.9	0.31% (2.14 km)	saline Rego Humic Gleysol	glaciolacustrine	silty clay loam to clay	poorly	20-40	Fair-Good	S	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts - susceptible to unstable trench walls in excessively wet areas
OX	Oxbow	810.7 to 965.6	11.55% (78.62 km)	Orthic and Rego Black Chernozem	till	loam to clay loam	well to moderately well	5-30	Excellent	M	S-M	-	-	Can have very strongly calcareous subsoils
saOX	saline Oxbow	813.2 to 956.4	1.94% (13.21 km)	saline Orthic and Rego Black Chernozem	till	loam to clay loam	moderately well	12-30	Excellent	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
scOX	Oxbow with saline lower subsoil	817.7 to 835.1	0.21% (1.45 km)	Orthic and Rego Black Chernozem with saline lower subsoil	till	loam to clay loam	well to moderately well	10-16	Excellent	M	S	-	-	Lower subsoil is more saline than upper subsoil
stOX	stony Oxbow	813.3 to 923.3	0.52% (3.56 km)	Orthic and Rego Black Chernozem	stony till	stony loam to stony clay loam	well	5-20	Excellent	M	S-M	-	-	Stony conditions may hamper topsoil stripping procedures
RA	Regina	374.6 to 743.6	19.29% (131.33 km)	Vertic Dark Brown Chernozem	glaciolacustrine	clay to heavy clay	moderately well	5-24	Poor	M	S-M	Yes	-	Extremely poor colour change between topsoil and subsoil: <ul style="list-style-type: none"><li>• susceptible to wind erosion if material is pulverized</li></ul>
saRA	saline Regina	291.3 to 730.5	0.36% (2.48 km)	saline Vertic Dark Brown Chernozem	glaciolacustrine	clay to heavy clay	moderately well	10-30	Poor	M	S-M	Yes	-	Extremely poor colour change between topsoil and subsoil: <ul style="list-style-type: none"><li>• susceptible to wind erosion if material is pulverized</li><li>• may be moderately to strongly saline at the surface which may hinder revegetation efforts</li></ul>
scRA	Regina with saline lower subsoil	292.1 to 737.5	2.26% (15.41 km)	Vertic Dark Brown Chernozem with saline lower subsoil	glaciolacustrine	clay to heavy clay	moderately well	10-24	Poor	M	S	Yes	-	Extremely poor colour change between topsoil and subsoil: <ul style="list-style-type: none"><li>• susceptible to wind erosion if material is pulverized</li><li>• some of these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil</li></ul>
shRA	shallow Regina	436.0 to 437.4	0.19% (1.33 km)	Vertic Dark Brown Chernozem	glaciolacustrine overlying till	clay to heavy clay overlying loam to clay loam	moderately well	12	Poor	M	S	Yes	-	Extremely poor colour change between topsoil and subsoil: <ul style="list-style-type: none"><li>• susceptible to wind erosion if material is pulverized</li><li>• surface stoniness may be increased due to underlying till</li></ul>
RM	Rosemae	589.2 to 589.4	0.03% (0.20 km)	Dark Brown Solodized Solonetz	till	loam	moderately well	12	Fair-Poor	M	S	-	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil - upper subsoil consists of a hardpan layer (Bnt horizon)

TABLE 3SK Cont'd

Soil Type	Soil Name	SKP Range <sup>1</sup>	Proportion (length) of Route	Soils Classification	Parent Material	Texture Class	Drainage Class	Topsoil Depth Range (cm)	Colour Differentiation	Erosion Hazard <sup>2</sup>		Susceptible to		Comments or Other Concerns
										Wind	Water	Compaction and Rutting	Trench Instability	
SCK	Stockton	940.4 to 940.9	0.08% (0.53 km)	Calcareous Rego Black Chernozem and Orthic Black Chernozem	glaciofluvial	fine sandy loam	well	15-80	Excellent	H	S	-	Yes	Usually calcareous to the surface
shSCK	shallow Stockton	874.9 to 875.4	0.08% (0.56 km)	Rego and Orthic Black Chernozem	glaciofluvial overlying till or glaciolacustrine	fine sandy loam overlying loam to clay loam	well	15-35	Excellent	H	S	-	Yes <sup>3</sup>	Surface stoniness may be increased due to underlying till
SF	Swift Creek	890.5 to 964.7	0.59% (4.01 km)	Rego and Orthic Black Chernozem	glaciofluvial-till	loam to gravelly loamy sand	well	10-28	Good	M-H	S	-	Possible	Variable textured; often sandy, gravelly or stony
saSF	saline Swift Creek	933.0 to 935.7	0.40% (2.71 km)	saline Rego and Orthic Black Chernozem	glaciofluvial-till	loam to gravelly loamy sand	well	20-25	Good	M-H	S	-	Possible	Variable textured; often sandy, gravelly or stony - may be strongly saline to the surface which may hinder revegetation efforts
shSF	shallow Swift Creek	944.0 to 945.1	0.16% (1.11 km)	Rego and Orthic Black Chernozem	glaciofluvial-till overlying till	loam to gravelly loamy sand overlying loam to clay loam	well	20-25	Good	M-H	S	-	Possible <sup>3</sup>	Variable textured; often sandy, gravelly or stony in upper material
ST	Scott	299.2 to 673.2	4.90% (33.34 km)	Orthic Dark Brown Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	5-33	Good	M	S	-	-	Surface stoniness may be increased due to underlying till
saST	saline Scott	328.2 to 648.6	1.05% (7.14 km)	saline Orthic Dark Brown Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	11-40	Good	M	S	-	-	May be strongly saline at the surface which may hinder revegetation efforts
scST	Scott with saline lower subsoil	312.8 to 616.1	2.83% (19.27 km)	Orthic Dark Brown Chernozem with saline lower subsoil	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	10-26	Good	M	S	-	-	Lower subsoil is more saline than upper subsoil - some of these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil
VA	Valor	350.1 to 351.7	0.24% (1.62 km)	Orthic Brown Chernozem	glaciolacustrine overlying till	silty loam to silty clay loam overlying loam to clay loam	well	13-15	Poor	M	S	-	-	Surface stoniness may be increased due to underlying till
WG	Wingello	589.4 to 592.2	0.29% (2.00 km)	Dark Brown Solod	glaciofluvial	sandy loam	well	15	Fair-Poor	H	S	-	Yes	-
WH	Whitewood	914.9 to 923.9	0.82% (5.57 km)	Orthic and Rego Dark Gray Chernozem	till	loam to clay loam	well to moderately well	10-30	Good	M	S-M	-	-	-
WN	Windthorst	826.4 to 958.0	1.89% (12.89 km)	Orthic and Rego Black Chernozem	till-glaciofluvial	loam to sandy loam	well	9-33	Excellent	M-H	S	-	-	Variable textured soil
glWN	gleyed Windthorst	813.7 to 813.7	0.01% (0.06 km)	gleyed Black Chernozem and gleyed Rego Black Chernozem	till-glaciofluvial	loam to sandy loam	imperfectly	30	Excellent	M-H	S	-	-	Variable textured soil
shWN	shallow Windthorst	911.5 to 948.5	0.14% (0.94 km)	Orthic and Rego Black Chernozem	till-glaciofluvial overlying till	loam to sandy loam overlying loam to clay loam	well	20	Excellent	M-H	S	-	-	Variable textured soil
WR	Weyburn	289.9 to 810.7	11.66% (79.39 km)	Orthic and Rego Dark Brown Chernozem	till	loam to clay loam	well to moderately well	5-27	Good	M	S-M	-	-	-
saWR	saline Weyburn	290.1 to 798.1	1.48% (10.10 km)	saline Orthic and Rego Dark Brown Chernozem	till	loam to clay loam	well to moderately well	10-28	Good	M	S	-	-	May be strongly saline at the surface which may hinder revegetation efforts
scWR	Weyburn with saline lower subsoil	309.8 to 809.5	3.69% (25.10 km)	Orthic and Rego Dark Brown Chernozem with saline lower subsoil	till	loam to clay loam	well to moderately well	10-24	Good	M	S	-	-	Lower subsoil is more saline than upper subsoil - some of these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil
stWR	stony Weyburn	479.0 to 480.3	0.14% (0.92 km)	Orthic Dark Brown Chernozem	stony till	stony loam to stony clay loam	well to moderately well	10-17	Good	M	S	-	-	Soils are exceedingly stony at the surface
WS	Whitesand	855.4 to 883.9	0.14% (0.95 km)	Orthic Black Chernozem	glaciofluvial	loamy sand to coarse sand	rapidly	15-18	Excellent	H	S	-	Yes	-
DC	Drainage Channel	-	0.03% (0.23 km)	-	-	-	-	-	-	-	-	-	-	-
DL	Disturbed Land	-	0.39% (2.62 km)	-	-	-	-	-	-	-	-	-	-	-
NS	Not Surveyed	-	1.49% (10.13 km)	-	-	-	-	-	-	-	-	-	-	-
O	Open Water	-	0.22% (1.53 km)	-	-	-	-	-	-	-	-	-	-	-
RB	Rough Broken	-	1.15% (7.86 km)	-	-	-	-	-	-	-	H	-	-	-
RI	River	-	0.12% (0.84 km)	-	-	-	-	-	-	-	-	-	-	-
SC	Stream Channel	-	0.08% (0.58 km)	-	-	-	-	-	-	-	-	-	-	-

Source: Mentiga 2014

- Notes:
- 1

Soil occurs intermittently between listed SKP locations.
- 2

Erosion Hazard Ratings:  
S - slight  
M - moderate  
H - high
- 3

Susceptible to trench instability when sandy textured material is greater than 60 cm thick after topsoil removal.

TABLE 3MB

SUMMARY OF SOIL CHARACTERISTICS ALONG ROUTE IN MANITOBA

Soil Type	Soil Name	SKP Range <sup>1</sup>	Proportion (length) of Route	Soils Classification	Parent Material	Texture Class	Drainage Class	Topsoil Depth Range (cm)	Colour Differentiation	Erosion Hazard <sup>2</sup>		Susceptible to		Comments or Other Concerns
										Wind	Water	Compaction and Rutting	Trench Instability	
AV	Alluvium	971.9 to 1095.6	0.38% (1.11 km)	Gleyed Cumulic and Orthic Humic Regosol	fluvial	sandy loam to loam to silty clay loam	well to imperfectly	8-30	Good	M	S	-	-	May have thin layers of gravel or sand at depth
BFD	Beresford	1083.7 to 1084.1	0.12% (0.36 km)	Orthic and Rego Black Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	18-29	Excellent	M	S	-	-	Surface stoniness may be increased due to underlying till
saBFD	saline Beresford	1054.1 to 1057.7	0.65% (1.91 km)	saline Orthic and Rego Black Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	moderately well	20-43	Excellent	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
scBFD	Beresford with saline lower subsoil	1055.7 to 1056.2	0.17% (0.51 km)	Orthic and Rego Black Chernozem	glaciolacustrine overlying till	loam to silty clay loam overlying loam to clay loam	well to moderately well	23	Excellent	M	S	-	-	Lower subsoil is more saline than the upper subsoil
CXF	Carroll	1001.7 to 1108.2	8.34% (24.37 km)	Rego and Orthic Black Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	14-50	Excellent	M	S	-	-	Very strongly calcareous subsoils
saCXF	saline Carroll	1054.4 to 1087.6	0.2% (0.60 km)	saline Rego and Orthic Black Chernozem	glaciolacustrine	loam to silty clay loam	moderately well	23-26	Excellent	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
scCXF	Carroll with saline lower subsoil	1066.9 to 1103.0	0.51% (1.48 km)	Rego and Orthic Black Chernozem	glaciolacustrine	loam to silty clay loam	well to moderately well	24-30	Excellent	M	S	-	-	Lower subsoil is more saline than the upper subsoil
CZK	Cazlake	1072.9 to 1191.4	0.35% (1.02 km)	Rego and Orthic Humic Gleysol	till	clay loam to clay	poorly	20-60	Fair-Good	S	S	Yes	-	Susceptible to unstable trench walls when excessively wet
saCZK	saline Cazlake	1082.3 to 1082.4	0.04% (0.11 km)	saline Rego and Orthic Humic Gleysol	till	clay loam to clay	poorly	15-40	Fair-Good	S	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts - susceptible to unstable trench walls when excessively wet
DGF	Darlingford	1154.8 to 1218.4	6.82% (19.95 km)	Orthic and Rego Black Chernozem	till	loam to clay loam	well to moderately well	13-36	Excellent	M	S-M	-	-	-
saDGF	saline Darlingford	1182.7 to 1183.6	0.30% (0.89 km)	saline Orthic and Rego Black Chernozem	till	loam to clay loam	moderately well	20	Excellent	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
scshDGF	shallow Darlingford with saline lower subsoil	1216.5 to 1218.2	0.60% (1.74 km)	Orthic and Rego Black Chernozem	till overlying weathered bedrock	laom to clay loam overlying clay	moderately well	17-23	Excellent	M	S	-	-	Lower subsoil is more saline than upper subsoil - some of these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil
stDGF	stony Darlingford	1153.2 to 1153.6	0.15% (0.43 km)	Orthic and Rego Black Chernozem	stony till	stony loam to stony clay loam	well	20	Excellent	M	S	-	-	Stony conditions may hamper topsoil stripping procedures
DHO	Deadhorse	1218.4 to 1279.0	3.69% (10.80 km)	Rego and Orthic Black Chernozem	glaciolacustrine	silty clay to clay	moderately well to imperfectly	18-50	Fair	M	S	Yes	-	May encounter the water table within trench depth
saDHO	saline Deadhorse	1215.5 to 1278.1	1.02% (2.99 km)	saline Rego and Orthic Black Chernozem	glaciolacustrine	silty clay to clay	imperfectly	24-50	Fair	M	S	Yes	-	May encounter the water table within trench depth - may be strongly saline to the surface which may hinder revegetation efforts
scDHO	Deadhorse with saline lower subsoil	1220.3 to 1220.6	0.10% (0.28 km)	Rego and Orthic Black Chernozem with saline lower subsoil	glaciolacustrine	silty clay to clay	moderately well to imperfectly	25	Fair	M	S	Yes	-	- Lower subsoil is more saline than the upper subsoil
DS	Dune Sand	1031.1 to 1033.2	0.72% (2.10 km)	Orthic Regisol	eolian	loamy sand to sand	rapidly	0-10	Poor	H	S-H	-	Yes	Often lacks a topsoil horizon but salvage upper 10 cm - very coarse textures and droughty soil will hinder revegetation efforts
DZW	Dezwood	1156.6 to 1177.0	2.97% (8.69 km)	Orthic Dark Gray Chernozem	till	loam to clay loam	well to moderately well	10-40	Good	M	S-H	-	-	-
EGF	Eigenhof	1272.2 to 1274.9	0.92% (2.69 km)	Orthic Black Chernozem	glaciolacustrine	silty loam to silty clay loam	well to moderately well	25-40	Excellent	M	S	-	-	-
FIR	Firdale	1159.3 to 1168.9	1.85% (5.41 km)	Orthic Dark Gray Chernozem	glaciolacustrine	silty loam to silty clay loam	well	15-40	Good	M	S	-	-	-
shFIR	shallow Firdale	1167.4 to 1167.8	0.13% (0.39 km)	Orthic Dark Gray Chernozem	glaciolacustrine overlying till	silty loam to silty clay loam overlying loam to clay loam	well	20	Good	M	S	-	-	Surface stoniness may be increased due to underlying till
GBO	Glenboro	1114.1 to 1127.6	4.45% (13.00 km)	Orthic Black Chernozem	glaciolacustrine-glaciofluvial	silty loam to fine sandy loam to silty clay loam	well	15-57	Excellent	M	S	-	-	Variable textured strata with depth
glGBO	gleyed Glenboro	1110.4 to 1143.5	1.75% (5.12 km)	Gleyed Black Chernozem	glaciolacustrine-glaciofluvial	silty loam to fine sandy loam to silty clay loam	imperfectly	15-35	Excellent	M	S	Yes	-	Variable textured strata with depth
GDH	Gnadenthal	1235.8 to 1266.9	3.12% (9.12 km)	Gleyed Rego Black Chernozem	glaciolacustrine-glaciofluvial	silty loam to fine sandy loam to silty clay loam	imperfectly	20-37	Good	M	S	Yes	-	May encounter the water table within trench depth - susceptible to trench instability in excessively wet areas
saGDH	saline Gnadenthal	1239.4 to 1263.5	0.98% (2.86 km)	saline gleyed Rego Black Chernozem	glaciolacustrine-glaciofluvial	silty loam to fine sandy loam to silty clay loam	imperfectly	20-30	Good	M	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts - susceptible to trench instability in excessively wet areas
scGDH	Gnadenthal with saline lower subsoil	1260.0 to 1260.9	0.31% (0.90 km)	gleyed Rego Black Chernozem with saline lower subsoil	glaciolacustrine-glaciofluvial	silty loam to fine sandy loam to silty clay loam	imperfectly	25-30	Good	M	S	Yes	-	Lower subsoil is more saline than the upper subsoil - these soils have been recommended for the 3-lift soils handling procedure due to a higher level of salinity in the lower subsoil - susceptible to trench instability in excessively wet areas

TABLE 3MB Cont'd

Soil Type	Soil Name	SKP Range <sup>1</sup>	Proportion (length) of Route	Soils Classification	Parent Material	Texture Class	Drainage Class	Topsoil Depth Range (cm)	Colour Differentiation	Erosion Hazard <sup>2</sup>		Susceptible to		Comments or Other Concerns
										Wind	Water	Compaction and Rutting	Trench Instability	
HIT	Hilton	1057.7 to 1146.9	7.57% (22.12 km)	Orthic and Rego Black Chernozem	till	loam to clay loam	well to moderately well	10-40	Excellent	M	S-M	-	-	Very strongly calcareous subsoil
JYL	Joyale	1153.6 to 1197.5	0.54% (1.59 km)	Gleyed Rego Black Chernozem	glaciolacustrine overlying till	silty loam to silty clay loam overlying loam to clay loam	imperfectly	25-28	Good	M	S	Yes	-	Surface stoniness may be increased due to underlying till
KUD	Knudson	1161.5 to 1198.7	4.25% (12.41 km)	Orthic and gleyed Black Chernozem	glaciolacustrine overlying till	silty clay to clay overlying clay loam	moderately well to imperfectly	20-40	Fair-Good	M	S	Yes	-	Surface stoniness may be increased due to underlying till
NBG	Neuenberg	1219.2 to 1253.1	2.21% (6.46 km)	gleyed Rego Black Chernozem and gleyed Black Chernozem	glaciolacustrine overlying glaciofluvial	silty loam to silty clay loam overlying fine sandy loam	imperfectly	27-35	Good	M	S	Yes	Yes	Susceptible to trench instability in lower portion of trench - may encounter the water table within trench depth
saNBG	saline Neuenberg	1247.3 to 1251.8	0.37% (1.09 km)	saline gleyed Rego Black Chernozem and gleyed Black Chernozem	glaciolacustrine overlying glaciofluvial	silty loam to silty clay loam overlying fine sandy loam	imperfectly	30	Good	M	S	Yes	Yes	May be strongly saline to the surface which may hinder revegetation efforts - may encounter the water table within trench depth
scNBG	Neuenberg with saline lower subsoil	1218.7 to 1219.2	0.17% (0.50 km)	gleyed Rego Black Chernozem and gleyed Black Chernozem with saline lower subsoil	glaciolacustrine overlying glaciofluvial	silty loam to silty clay loam overlying fine sandy loam	imperfectly	16	Good	M	S	Yes	Yes	Lower subsoil is more saline than upper subsoil - may encounter the water table within trench depth
OBO	Osborne	1089.5 to 1267.4	1.60% (4.67 km)	Rego Humic Gleysol	glaciolacustrine	silty clay loam to clay	poorly	20-65	Fair-Good	S	S	Yes	-	Susceptible to unstable trench walls in excessively wet areas
saOBO	saline Osborne	1104.4 to 1186.4	2.48% (7.26 km)	saline Rego Humic Gleysol	glaciolacustrine	silty clay loam to clay	poorly	20-40	Fair-Good	S	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts - susceptible to unstable trench walls in excessively wet areas
OIV	Oliver	1105.4 to 1140.6	1.56% (4.56 km)	Gleyed Solonetzic Black Chernozem	glaciolacustrine	silty clay to clay	moderately well to imperfectly	20-32	Poor	M	S	Yes	-	Saline and sodic subsoils may hinder revegetation efforts; do not overstrip topsoil
saOIV	saline Oliver	1103.0 to 1137.8	0.65% (1.91 km)	saline Gleyed Solonetzic Black Chernozem	glaciolacustrine	silty clay to clay	moderately well to imperfectly	15-30	Poor	M	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts
OKL	Oak Lake	1014.4 to 1014.6	0.09% (0.26 km)	Rego Humic Gleysol	glaciofluvial	sandy loam to loamy sand	poorly	25	Good	H	S	Yes	Yes	-
OX	Oxbow	965.6 to 980.7	4.27% (12.48 km)	Orthic and Rego Black Chernozem	till	loam to clay loam	well to moderately well	5-30	Excellent	M	S-M	-	-	Can have very strongly calcareous subsoils
saOX	saline Oxbow	967.1 to 977.8	0.29% (0.86 km)	saline Orthic and Rego Black Chernozem	till	loam to clay loam	moderately well	12-30	Excellent	M	S	-	-	May be strongly saline to the surface which may hinder revegetation efforts
stOX	stony Oxbow	979.7 to 980.4	0.22% (0.63 km)	Orthic and Rego Black Chernozem	stony till	stony loam to stony clay loam	well	5-20	Excellent	M	S-M	-	-	Stony conditions may hamper topsoil stripping procedures
RAM	Ramada	1143.6 to 1145.1	0.48% (1.40 km)	Orthic Black Chernozem	glaciolacustrine	silty clay loam	well to moderately well	20-40	Good	M	S	-	-	-
glRAM	gleyed Ramada	1152.5 to 1153.2	0.23% (0.67 km)	Gleyed Black Chernozem	glaciolacustrine	silty clay loam	imperfectly	25	Good	M	S	Yes	-	-
saRAM	saline Ramada	1145.1 to 1145.5	0.13% (0.38 km)	saline Orthic Black Chernozem	glaciolacustrine	silty clay loam	moderately well	25	Good	M	S	Yes	-	May be strongly saline to the surface which may hinder revegetation efforts
SCH	Scarth	1003.6 to 1239.4	16.82% (49.19 km)	Calcareous Rego Black Chernozem and Orthic Black Chernozem	glaciofluvial	loamy fine sand	rapidly	17-93	Good	H	S	-	Yes	Usually calcareous to the surface
SCK	Stockton	1004.4 to 1247.3	4.14% (12.09 km)	Calcareous Rego Black Chernozem and Orthic Black Chernozem	glaciofluvial	fine sandy loam	well	15-80	Excellent	H	S	-	Yes	Usually calcareous to the surface
glSCK	gleyed Stockton	1108.2 to 1243.5	1.04% (3.04 km)	Gleyed Rego Black Chernozem	glaciofluvial	fine sandy loam	imperfectly	25-45	Excellent	H	S	-	Yes	-
shSCK	shallow Stockton	1106.2 to 1223.6	0.34% (1.00 km)	Rego and Orthic Black Chernozem	glaciofluvial overlying till or glaciolacustrine	fine sandy loam overlying loam to clay loam	well	15-35	Excellent	H	S	-	Yes <sup>3</sup>	Surface stoniness may be increased due to underlying till
TGL	Tiger Hills	1151.8 to 1152.5	0.24% (0.69 km)	Orthic Dark Gray Chernozem	till	loam to clay loam	well to moderately well	10-20	Good	M	S-M	-	-	Strongly calcareous subsoils
VDL	Vandal	1160.5 to 1164.0	0.72% (2.09 km)	Orthic Dark Gray Chernozem	glaciofluvial	sandy loam	well	15-20	Good	H	S	-	Yes	-
DC	Drainage Channel	-	0.13% (0.38 km)	-	-	-	-	-	-	-	-	-	-	-
DL	Disturbed Land	-	0.09% (0.25 km)	-	-	-	-	-	-	-	-	-	-	-
NS	Not Surveyed	-	7.87% (23.01 km)	-	-	-	-	-	-	-	-	-	-	-
RB	Rough Broken	-	0.80% (2.33 km)	-	-	-	-	-	-	-	H	-	-	-
SC	Stream Channel	-	0.08% (0.25 km)	-	-	-	-	-	-	-	-	-	-	-

Source: Mentiga 2014

Notes: 1 Soil occurs intermittently between listed SKP locations.

2 Erosion Hazard Ratings:  
S - slight  
M - moderate  
H - high

3 Susceptible to trench instability when sandy textured material is greater than 60 cm thick after topsoil removal

TABLE 4AB

SUMMARY OF THE WATERCOURSE AND WATERBODY CROSSINGS ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN ALBERTA

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP <sup>2</sup> /Restricted Activity Timing Window <sup>3</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>4</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
AB-WC13	Ribstone Creek 223.03	13-27-40-6 W4M	12U 514232E 5813924N	No RAP	N/A	49.6	0.4	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate
AB-WC14	Drainage 224.78	5-26-40-6 W4M	12U 515800E 5813141N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
AB-WC15	Drainage 225.07	6-26-40-6 W4M	12U 516055E 5813011N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
AB-WC16	Eyehill Creek 282.08	7-35-37-1 W4M	12U 565591E 5786178N	April 16 to June 30	40.4	40.8	0.5	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate

- Notes:
- N/A: Not applicable, TBD: To be determined, NCD: Non-classified drainage

1

List is preliminary and subject to change following additional fieldwork and supplemental studies. Those crossings not visited by TERA in 2013/2014 have previous data on channel morphology collected by Applied Aquatic Research included from the Enbridge Clipper and Southern Lights Projects where available. Those crossings not visited by TERA in 2013/2014 have preliminary crossing recommendations made and are subject to change. All crossing recommendations assume instream construction outside the RAP/Restricted Activity Timing Windows.

2

Determined from the COP Management Area Map for Camrose (AENV 2006).

3

Determined from the Manitoba and Saskatchewan DFO Timing Windows (DFO 2013d, e).

4

Based on previous determinations of navigability by Transport Canada and watercourse characteristics (see Appendix 11 of ESA). Additional information on navigation may be obtained from Enbridge's ongoing consultation program.

TABLE 4SK

SUMMARY OF THE WATERCOURSE AND WATERBODY CROSSINGS ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN SASKATCHEWAN

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
SK-WC1	Unnamed Tributary to Cactus Lake 294.04	10-11-37-28 W3M	12U 575994E 5780369N	April 1 to May 31	1.8	1.8	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate. Reduce excessive boulder/riprap placement at right-of-way added previously and restore closer to natural conditions.
SK-WC2 <sup>4</sup>	Unnamed Tributary to Cactus Lake 298.82	1-6-37-27 W3M	12U 579471E 5777902N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC3 <sup>4</sup>	Drainage 299.07	4-5-37-27 W3M	12U 579719E 5777903N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	TBD	Recontour and revegetate
SK-WC91	Unnamed Tributary to Cactus Lake 301.49	11-33-36-27 W3M	12U 581964E 5777112N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
SK-WC4	Drainage 302.28	8-33-36-27 W3M	12U 582678E 5776778N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC92	Drainage 312.21	12-16-36-26 W3M	12U 591412E 5772194N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC93	Drainage 320.36	2-6-36-25 W3M	12U 598675E 5768610N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC94	Drainage 359.45	1-5-34-22 W3M	12U 632286E 5749896N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC5	Drainage 363.66	13-26-33-22 W3M	12U 635800E 5748051N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC6	Drainage 371.15	9-17-33-21 W3M	12U 642222E 5744330N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC7	Unnamed Tributary to Eagle Creek 376.74	15-2-33-21 W3M	12U 646940E 5741556N	April 1 to May 31	5.7	6.4	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC8	Unnamed Tributary to Eagle Creek 378.69	7-1-33-21 W3M	12U 648566E 5740825N	April 1 to May 31	3.1	2.9	0.3	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC9 <sup>4</sup>	Unnamed Tributary to Eagle Creek 394.8	9-16-32-19 W3M	12U 663634E 5735190N	April 1 to May 31	6.6	5.2	0.3	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC10 <sup>4</sup>	Unnamed Tributary to Eagle Creek 396.68	1-15-32-19 W3M	12U 665436E 5734656N	April 1 to May 31	2.8	5.1	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC11	Drainage 401.98	4-8-32-18 W3M	12U 670515E 5733140N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC12	Drainage 403.02	15-5-32-18 W3M	12U 671516E 5732849N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC13	Eagle Creek 405.57	5-3-32-18 W3M	12U 673928E 5732018N	April 1 to May 31	14.2	14.2	0.6	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes <sup>3</sup>	Recontour and revegetate
SK-WC14	Unnamed Tributary to Eagle Creek 413.53	11-29-31-17 W3M	12U 681070E 5729644N	April 1 to May 31	7.5	2.0	0.1	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC15	Drainage 418.50	12-23-31-17 W3M	12U 685745E 5728045N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC16	Drainage 419.94	5-24-31-17 W3M	12U 687105E 5727591N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC17	Drainage 423.09	9-18-31-16 W3M	12U 690096E 5726594N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC19	Drainage 428.40	8-10-31-16 W3M	12U 695101E 5724911N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC20 <sup>4</sup>	Unnamed Tributary to Eagle Creek 433.49	8-6-31-15 W3M	12U 699921E 5723317N	April 1 to May 31	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC21 <sup>4</sup>	Unnamed Tributary to Eagle Creek 435.71	14-32-30-15 W3M	12U 702011E 5722572N	April 1 to May 31	1.5	0.8	0.3	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC22	Eagle Creek 438.13	5-33-30-15 W3M	12U 704238E 5721605N	April 1 to May 31	10.0	8.8	0.5	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate
SK-WC23	Drainage 469.53	2-28-29-12 W3M	13U 317494E 5709454N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC24	Drainage 473.55	1-23-29-12 W3M	13U 321142E 5707768N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions

TABLE 4SK Cont'd

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
SK-WC25 <sup>4</sup>	Unnamed Tributary to MacDonald Creek 474.68	15-13-29-12 W3M	13U 322192E 5707336N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC26	MacDonald Creek 479.69	12-9-29-11 W3M	13U 326475E 5705137N	April 1 to May 31	19.1	22.0	0.4	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate
SK-WC27	Irrigation Canal 511.35	13-4-28-8 W3M	13U 355480E 5693138N	April 1 to May 31	14.7	15.6	1.0	Low	Trenchless (Contingency trenchless location)	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate if disturbed
SK-WC101	Drainage 512.26	9-4-28-8 W3M	13U 356311E 5692814N	NCD	N/A	N/A	N/A	Low	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC28	South Saskatchewan River 518.23	6-31-27-7 W3M	13U 362203E 5690602N	October 1 to July 15	641.0	641.0	1.4	High	Trenchless (Contingency trenchless location)	Existing	Existing	Yes	Recontour and revegetate if disturbed
SK-WC29	Irrigation Canal 520.64	2-32-27-7 W3M	13U 364101E 5689968N	April 1 to May 31	1.5	1.0	0.1	Low	Isolate if water present/open cut if dry or frozen to bottom or trenchless depending on landowner/agricultural considerations	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
SK-WC30	Drainage 522.34	11-28-27-7 W3M	13U 365554E 5689076N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC31 <sup>4</sup>	Irrigation Canal 522.58	7-28-27-7 W3M	13U 365757E 5688952N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC32 <sup>4</sup>	Irrigation Canal 522.86	7-28-27-7 W3M	13U 365993E 5688802N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC33 <sup>4</sup>	Unnamed Tributary to the South Saskatchewan River 523.17	8-28-27-7 W3M	13U 366261E 5688642N	April 1 to May 31	10.6	5.7	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC35 <sup>4</sup>	Irrigation Canal 524.29	14-22-27-7 W3M	13U 367208E 5688055N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC36 <sup>4</sup>	Irrigation Canal 525.21	9-22-27-7 W3M	13U 367993E 5687575N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC37	Drainage 526.16	6-23-27-7 W3M	13U 368803E 5687077N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC39	Irrigation Canal 527.76	14-13-27-7 W3M	13U 370159E 5686234N	April 1 to May 31	14.9	7.0	0.4	Low	Trenchless (Contingency trenchless location)	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC40	Drainage 530.00	2-18-27-6 W3M	13U 372072E 5685078N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC42 <sup>4</sup>	Unnamed Tributary to Lake Diefenbaker 532.83	5-9-27-6 W3M	13U 374490E 5683600N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC44	Iskwao Creek 599.68	7-13-23-1 W3M	13U 428971E 5645381N	April 1 to May 31	2.5	17.1	0.5	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC46	Unnamed drainage to the Qu'Appelle River 609.46	3-36-22-29 W2M	13U 436863E 5640129N	April 1 to May 31	N/A	4.9	0.2	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC47 <sup>4</sup>	Unnamed Tributary to the Qu'Appelle River 627.80	15-28-21-27 W2M	13U 451708E 5629679N	April 1 to May 31	48.9	47.7	0.3	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC95	Drainage 663.18	4-28-19-24 W2M	13U 480214E 5609024N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC48	Qu'Appelle River 670.21	4-18-19-23 W2M	13U 486321E 5605571N	April 1 to May 31	21.9	18.9	2.5	Very High	Trenchless (Contingency trenchless location)	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour, revegetate and incorporate bank stabilization if disturbed
SK-WC49 <sup>4</sup>	Unnamed Tributary to the Qu'Appelle River 676.07	1-4-19-23 W2M	13U 491099E 5602380N	April 1 to May 31	N/A, no defined channel. Ponded water with 0.07 m depth			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC50	High Hill Creek 680.15	9-27-18-23 W2M	13U 494545E 5600148N	April 1 to May 31	15.4	20.6	0.5	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC52	Cottonwood Creek 696.72	6-25-17-22 W2M	13U 506567E 5589647N	April 1 to May 31	4.8	18.8	0.6	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC53	Unnamed drainage to Cottonwood Creek 700.33	6-20-17-21 W2M	13U 509780E 5588081N	April 1 to May 31	N/A	6	0.1	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate

TABLE 4SK Cont'd

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
SK-WC54 <sup>4</sup>	Unnamed Drainage 724.38	3-33-16-19 W2M	13U 531163E 5581258N	April 1 to May 31	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC55 <sup>4</sup>	Unnamed Drainage 724.58	2-33-16-19 W2M	13U 531368E 5581258N	April 1 to May 31	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC56 <sup>4</sup>	Unnnamed Drainage 724.90	1-33-16-19 W2M	13U 531689E 5581261N	April 1 to May 31	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC57 <sup>4</sup>	Unnamed Drainage 725.29	1-34-16-19 W2M	13U 532073E 5581261N	April 1 to May 31	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC58 <sup>4</sup>	Unnamed Drainage 726.20	2-34-16-19 W2M	13U 532962E 5581348N	April 1 to May 31	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC59 <sup>4</sup>	Wascana Creek 730.21	9-36-16-19 W2M	13U 536680E 5582280N	April 1 to May 31	12.8	10.7	0.7	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate
SK-WC60 <sup>4</sup>	Unnamed Drainage 735.41	9-33-16-18 W2M	13U 541684E 5582240N	April 1 to May 31	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
SK-WC62	Unnamed Tributary to Wascana Creek 745.55	16-28-16-17 W2M	13U 551618E 5581231N	April 1 to May 31	5.9	5.3	0.2	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC63	Drainage (Kronau Creek) 752.08	8-30-16-16 W2M	13U 558091E 5580358N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC64	Manybone Creek 757.07	16-22-16-16 W2M	13U 562914E 5579763N	April 1 to May 31	N/A	0.8	0.2	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
SK-WC65	Drainage 758.76	16-23-16-16 W2M	13U 564607E 5579717N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC66	Drainage 762.54	5-20-16-15 W2M	13U 568118E 5578842N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC67	Drainage 790.42	6-14-15-13 W2M	13U 593290E 5567835N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC68	Chapleau Lakes 800.08	4-11-15-12 W2M	13U 602795E 5566151N	April 1 to May 31	N/A	220.4	0.3	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Access from both sides/Existing crossing	Yes	Recontour and revegetate
SK-WC69	Unnamed drainage to Chapleau Lakes 802.22	14-1-15-12 W2M	13U 604755E 5565802N	April 1 to May 31	N/A	67.3	0.3	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC96	Drainage 807.39	15-32-14-11 W2M	13U 609213E 5564193N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC70	Unnamed drainage to Moose Mountain Creek 810.14	5-34-14-11 W2M	13U 611630E 5563266N	April 1 to May 31	N/A	15.2	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC71	Drainage 819.21	10-28-14-10 W2M	13U 620623E 5562334N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC72	Vipond Creek 838.27	1-17-14-8 W2M	13U 638839E 5559020N	April 1 to May 31	1.9	6.1	0.4	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC74	Unnamed Drainage 847.79	3-8-14-7 W2M	13U 647958E 5557469N	April 1 to May 31	N/A	4.2	0.2	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC97	Drainage 874.02	14-14-13-5 W2M	13U 672393E 5551390N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC76	Drainage 875.44	13-13-13-5 W2M	13U 673807E 5551432N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC99	Drainage 883.73	13-11-13-4 W2M	13U 681892E 5550054N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC100	Drainage 885.97	11-12-13-4 W2M	13U 684082E 5549636N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC77	Unnamed drainage to Montgomery Creek 887.97	7-7-13-3 W2M	13U 686033E 5549216N	April 1 to May 31	N/A	12.3	0.2	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC78	Montgomery Creek 890.74	14-4-13-3 W2M	13U 688727E 5548559N	April 1 to May 31	0.6	dry	dry	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
SK-WC79	Unnamed Tributary to Montgomery Creek 892.32	5-3-13-3 W2M	13U 690215E 5548024N	April 1 to May 31	2.5	dry	dry	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate



TABLE 4SK Cont'd

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
SK-WC80	Unnamed Drainage Ditch 895.84	13-36-12-3 W2M	13U 693525E 5547265N	April 1 to May 31	3.6	3.1	0.3	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC81	Drainage 900.72	4-33-12-2 W2M	13U 698293E 5546210N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC84	Unnamed Wetland 911.75	16-17-12-1 W2M	13U 707964E 5542918N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC85	Drainage 917.03	9-11-12-1 W2M	13U 712805E 5541020N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC86	Drainage 923.34	4-33-11-33 WPM	14U 288372E 5538465N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC87	Little Pipestone Creek 927.21	4-26-11-33 WPM	14U 291856E 5536830N	April 1 to May 31	N/A	17.3	0.3	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
SK-WC88	Drainage (Jackson Creek) 953.02	9-23-10-31 WPM	14U 314547E 5525252N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
SK-WC89	Stony Creek 963.01	7-11-10-30 WPM	14U 323729E 5521460N	April 1 to May 31	2.9	dry	dry	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
SK-WC90	Drainage 963.12	7-11-10-30 WPM	14U 323827E 5521419N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions

- Notes:
- N/A: Not applicable, TBD: To be determined, NCD: Non-classified drainage

1

List is preliminary and subject to change following additional fieldwork and supplemental studies. Those crossings not visited by TERA in 2013/2014 have previous data on channel morphology collected by Applied Aquatic Research included from the Enbridge Clipper and Southern Lights Projects where available. Those crossings not visited by TERA in 2013/2014 have preliminary crossing recommendations made and are subject to change. All crossing recommendations assume instream construction outside the RAP/Restricted Activity Timing Windows.

2

Determined from the Manitoba and Saskatchewan DFO Timing Windows (DFO 2013d, e).

3

Based on previous determinations of navigability by Transport Canada and watercourse characteristics (see Appendix 11 of ESA). Additional information on navigation may be obtained from Enbridge's ongoing consultation program.

4

Crossings that have not been visited in 2013/2014 due to land access constraints and will have updated data collected in supplemental studies.

5

Navigation by small non-motorized craft may be possible in these crossings, however navigation use is anticipated to be minimal.

TABLE 4MB

SUMMARY OF THE WATERCOURSE AND WATERBODY CROSSINGS ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN MANITOBA

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
MB-WC1	Pipestone Creek 971.92	10-34-9-29 WPM	14U 331981E 5518167N	April 1 to June 30	22.0	16.0	0.8	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate. Route is near a meander bend. Recommend bank stabilization measures that are implemented are a combination of hard armouring (e.g., riprap) and bio-engineering (e.g., live shrub staking). The right bank was noted to be unstable at the proposed crossing location. Ensure disturbance to watercourse and riparian vegetation and/or temporary workspace is only limited to the right-of-way at the crossing
MB-WC2 <sup>4</sup>	Unnamed Tributary to Pipestone Creek 972.97	11-35-9-29 WPM	14U 332997E 5517953N	April 1 to June 30	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC3	Drainage 974.37	1-35-9-29 WPM	14U 334130E 5517128N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC4 <sup>4</sup>	Unnamed Tributary to Pipestone Creek 975.63	10-25-9-29 WPM	14U 335140E 5516373N	April 1 to June 30	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC6	Drainage 978.70	12-20-9-28 WPM	14U 337588E 5514529N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC7	Drainage 979.13	6-20-09-28 WPM	14U 337916E 5514254N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC17 <sup>4</sup>	Unnamed Tributary to Pipestone Creek 1003.80	10-10-9-26 WPM	14U 361254E 5510821N	April 1 to June 30	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC19	Drainage 1055.62	3-14-8-21 WPM	14U 411502E 5500794N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC25	Drainage 1080.94	3-32-7-18 WPM	14U 435881E 5495459N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC27	Black Creek 1087.62	5-25-7-18 WPM	14U 442348E 5494205N	April 1 to June 30	N/A	2.5	0.4	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
MB-WC29	Drainage 1089.54	3-30-7-17 WPM	14U 444232E 5493843N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC30	Drainage 1089.96	2-30-7-17 WPM	14U 444653E 5493764N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC84	Drainage 1090.52	1-30-7-17 WPM	14U 445202E 5493659N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC31	Drainage 1091.09	3-29-7-17 WPM	14U 445754E 5493556N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/Ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC32	Souris River 1095.34	10-22-7-17 WPM	14U 449807E 5492649N	April 1 to June 30	44.2	30.9	0.4	Very High	Trenchless (Contingency trenchless location)	Existing	Existing	No	Recontour and revegetate if disturbed
MB-WC36	Spring Brook 1100.35	12-18-7-16 WPM	14U 453931E 5491228N	April 1 to June 30	3.0	1.9	0.2	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
MB-WC37 <sup>4</sup>	Unnamed Tributary to Spring Brook 1101.38	9-18-7-16 WPM	14U 454956E 5491230N	April 1 to June 30	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC41 <sup>4</sup>	Unnamed Tributary to Oak Creek 1106.09	7-15-7-16 WPM	14U 459631E 5490879N	April 1 to June 30	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC42	Oak Creek 1109.49	2-13-7-16 WPM	14U 462988E 5490342N	April 1 to June 30	11.0			6.3	0.2	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing
MB-WC43	Oak Creek 1131.97	6-31-6-13 WPM	14U 484685E 5485686N	April 1 to June 30	17.2			41.6	1.4	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing
MB-WC44	Oak Creek 1132.98	4-32-6-13 WPM	14U 485594E 5485289N	April 1 to June 30	21.7			23.5	1.0	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/Ice bridge/existing	Clear span bridge/existing

TABLE 4MB Cont'd

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
MB-WC85	Drainage 1134.79	12-28-6-13 WPM	14U 487248E 5484578N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC45	Drainage 1135.5	10-28-6-13 WPM	14U 487895E 5484300N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC48	Cypress River 1143.52	15-18-6-12 WPM	14U 494639E 5481485N	April 1 to June 30	8.9	2.0	0.1	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate. Revegetate particularly on the depositional (left) bank, to facilitate regrowth (previous flood-related revegetation issues were noted with earlier pipeline crossings)
MB-WC49 <sup>4</sup>	Cypress River 1156.17	15-31-5-11 WPM	14U 504529E 5476576N	April 1 to June 30	7.4	4.6	0.3	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC50 <sup>4</sup>	Unnamed Tributary to the Pembina River 1165.00	11-24-5-11 WPM	14U 512297E 5472759N	April 1 to June 30	7.1	42.9	0.3	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC51 <sup>4</sup>	Unnamed Tributary to the Pembina River 1166.36	4-19-5-10 WPM	14U 513535E 5472200N	April 1 to June 30	4.5	3.9	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC54 <sup>4</sup>	Unnamed Lake 1177.13	8-1-5-10 WPM	14U 523149E 5467596N	April 1 to June 30	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC58 <sup>4</sup>	Mary Jane Creek 1189.45	14-18-4-8 WPM	14U 533851E 5461915N	April 1 to June 30	N/R	2.1	0.1	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MB-WC61 <sup>4</sup>	Unnamed Drainage 1201.30	10-31-3-7 WPM	14U 544349E 5456746N	April 1 to June 30	N/A, No defined channel			Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MBR-WC1	Drainage 1207.05	1-34-3-7 WPM	14U 549245E 5455771N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MBR-WC2 <sup>4</sup>	Unnamed drainage to Shannon Creek 1210.41	10-25-3-7 WPM	14U 552421E 5455279N	April 1 to June 30	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MBR-WC3	Thornhill Coulee 1223.49	6-29-3-5 WPM	14U 565023E 5454946N	April 1 to June 30	1.8	0.9	0.1	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate
MBR-WC4	Drainage 1227.60	3-27-3-5 WPM	14U 568160E 5454182N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MBR-WC5 <sup>4</sup>	Deadhorse Creek 1229.04	7-22-3-5 WPM	14U 568563E 5452969N	April 1 to June 30	10.5	8.0	1.1	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MBR-WC6 <sup>4</sup>	Unnamed Tributary to Deadhorse Creek 1230.59	13-14-3-5 WPM	14U 569964E 5452510N	April 1 to June 30	TBD	TBD	TBD	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	TBD	Recontour and revegetate
MBR-WC7	Drainage 1232.95	11-11-3-5 WPM	14U 570233E 5450562N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MBR-WC8	Unnamed drainage to Hespler Drain 1236.11	8-2-3-5 WPM	14U 570910E 5448484N	April 1 to June 30	N/A	dry	dry	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
MBR-WC9	Drainage 1237.42	16-35-2-5 WPM	14U 571149E 5447205N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC71	Drainage 1241.24	2-25-2-5 WPM	14U 572387E 5444373N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC73	Hespeler Drain 1245.91	10-17-2-4 WPM	14U 575961E 5442235N	April 1 to June 30	4.0	3.0	0.2	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No <sup>5</sup>	Recontour and revegetate. Route parallels watercourse for approximately 40 m along a meander bend. Ensure disturbance to watercourse and riparian vegetation and/or temporary workspace is only limited to the right-of-way at the crossing.
MB-WC75	Drainage 1250.56	4-14-2-4 WPM	14U 580187E 5441221N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC76	Rosenheim Drain 1255.66	12-5-2-3 WPM	14U 584854E 5439176N	April 1 to June 30	N/A	N/A	N/A	Low	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	No	Recontour and revegetate
MB-WC77	Drainage (Buffalo Drain) 1259.99	10-34-1-3 WPM	14U 588821E 5437442N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC78	Buffalo Creek 1262.94	13-25-1-3 WPM	14U 591484E 5436184N	April 1 to June 30	7.6	7.6	1.0	High	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate

TABLE 4MB Cont'd

Site No.	Watercourse SKP <sup>1</sup>	Legal Location	UTM Coordinates	RAP/Restricted Activity Timing Window <sup>2</sup>	Mean Channel Morphology (m)			Fish Habitat Quality Rating	Recommended Pipeline Crossing Method (Contingency)	Vehicle/Equipment Crossing Method		Requires Mitigation for Navigation and Navigation Safety (Yes/No) <sup>3</sup>	Restoration Notes
					Bankfull	Wetted	Depth			Frozen	Open Water		
MB-WC79	Unnamed Tributary to Buffalo Creek 1267.19	11-20-1-2 WPM	14U 595321E 5434349N	April 1 to June 30	7.0	9.5	0.8	Moderate	Isolate if water present/open cut if dry or frozen to bottom	Snowfill/ice bridge/existing	Clear span bridge/existing	Yes	Recontour and revegetate, maintain deep pool habitat at crossing.
MB-WC80	Drainage 1275.12	9-12-1-2 WPM	14U 602497E 5431267N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions
MB-WC81	Drainage 1277.00	8-7-1-1 WPM	14U 604273E 5430635N	NCD	N/A	N/A	N/A	N/A	Open cut if water present/standard trench if dry or frozen to bottom	Snowfill/ice bridge	Logfill/swamp mat	No	Restore to pre-construction conditions

- Notes:
- N/A: Not applicable, TBD: To be determined, N/R: Not Recorded, NCD: Non-classified drainage

1

List is preliminary and subject to change following additional fieldwork and supplemental studies. Those crossings not visited by TERA in 2013/2014 have previous data on channel morphology collected by Applied Aquatic Research included from the Enbridge Clipper and Southern Lights Projects where available. Those crossings not visited by TERA in 2013/2014 have preliminary crossing recommendations made and are subject to change. All crossing recommendations assume instream construction outside the RAP/Restricted Activity Timing Windows.

2

Determined from the Manitoba and Saskatchewan DFO Timing Windows (DFO 2013d, e).

3

Based on previous determinations of navigability by Transport Canada and watercourse characteristics (see Appendix 11 of ESA). Additional information on navigation may be obtained from Enbridge's ongoing consultation program.

4

Crossings that have not been visited in 2013/2014 due to land access constraints and will have updated data collected in supplemental studies.

5

Navigation by small non-motorized craft may be possible in these crossings, however navigation use is anticipated to be minimal.

TABLE 5AB

WILDLIFE FEATURES AND AREAS ENCOUNTERED ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN ALBERTA

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-01	208.66 to 208.82	12U 501427E 5820088N	NW 17-41-7 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-02	209.14 to 209.38	12U 501930E 5819897N	NE 17-41-7 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads heard calling from wetland located 30 m northeast of the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-03	209.32 to 209.57	12U 502077E 5819798N	SE 17-41-7 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads heard calling from wetland within 10 m northeast of the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-04	209.65 to 209.82	12U 502318E 5819637N	SE 17-41-7 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-05	209.84 to 210.74	12U 502412E 5819601N	SW 16-41-7 W4M	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Houchrik Nest Structure is crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify nests. Avoid disturbing constructed works (e.g., dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.
WF-06	222.59 to 223.19	12U 514107E 5813983N	NW 27-40-6 W4M to SW 26-40-6 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads heard calling from north of the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-07	228.11 to 228.15	12U 518781E 5811640N	SW 19-40-5 W4M	Black Tern Nesting Colony	S4 (W) <sup>2</sup> , Sensitive <sup>3</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at a wetland crossed by the right-of-way.	Year-round	1,000 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15). If activities are scheduled to occur during this RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-08	229.18 to 229.58	12U 520155E 5810933N	NE 18-40-5 W4M	Black Tern Nesting Colony	S4 (W) <sup>2</sup> , Sensitive <sup>3</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at a wetland crossed by the right-of-way.	Year-round	1,000 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15). If activities are scheduled to occur during this RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-09	229.18 to 229.58	12U 519906E 5811081N	SE 19-40-5 W4M to NW 17-40-5 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads were heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-10	229.18 to 229.58	12U 519906E 5811081N	SE 19-40-5 W4M to NW 17-40-5 W4M	Plains Spadefoot Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	100 m from Class III and above wetlands on native prairie	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-11	233.75 to 234.03	12U 523841E 5808909N	NW 10-40-5 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-12	233.75 to 234.03	12U 523841E 5808909N	NW 10-40-5 W4M	Plains Spadefoot Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	100 m from Class III and above wetlands on native prairie	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-13	234.86 to 234.93	12U 524711E 5808419N	SE 10-40-5 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads were heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-14	235.11 to 235.17	12U 524909E 5808282N	SE 10-40-5 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads were heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-15	246.80 to 246.83	12U 534641E 5802992N	SE 27-39-4 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toads were heard calling from dugout in wetland crossed by the right-of-way and temporary workspace.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-16	246.86 to 246.86	12U 534669E 5802969N	SE 27-39-4 W4M	Loggerhead Shrike Nest	S3(T) <sup>2</sup> , Sensitive <sup>3</sup> , Special Concern <sup>4</sup> , Threatened <sup>5,6</sup>	Inactive loggerhead shrike nest located on the temporary workspace south of the right-of-way.	May 1 to August 15	400 m from nest site	Schedule right-of-way preparation and construction activities outside the migratory bird RAP (April 15 to August 15). If activities are scheduled to occur within the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active. Extend road bores to avoid clearing adjacent shelterbelts, ornamental trees or windbreaks and reduce the width of the right-of-way if clearing of these features is required.
WF-17	249.69 to 249.82	12U 537233E 5801627N	SW 24-39-4 W4M	Plains Spadefoot Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	100 m from Class III and above wetlands on native prairie	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.

TABLE 5AB Cont'd

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-18	249.69 to 249.82	12U 537233E 5801627N	SW 24-39-4 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toad heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-19	252.77 to 252.96	12U 539962E 5800147N	SE 18-39-3 W4M to SW 17-39-3 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toad heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-20	253.34 to 253.42	12U 540402E 5799900N	SW 17-39-3 W4M to NE 8-39-3 W4M	Horned Grebe Nesting Waterbody	S3(W) <sup>2</sup> , Sensitive <sup>3</sup> , Special Concern <sup>5</sup>	Horned grebes were observed at wetland with suitable nesting habitat, crossed by the right-of-way.	April 1 to August 31	100 m from high water mark of waterbody containing nest	Schedule right-of-way preparation and construction activities outside of the federal RAP (April 1 to August 31) for horned grebe nesting waterbodies. If activities are scheduled to occur during this RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-21	253.34 to 253.42	12U 540402E 5799900N	SW 17-39-3 W4M to NE 8-39-3 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toad heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-22	253.34 to 253.42	12U 540402E 5799900N	SW 17-39-3 W4M to NE 8-39-3 W4M	Plains Spadefoot Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	100 m from Class III and above wetlands	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-23	260.56 to 260.60	12U 546716E 5796461N	NE 35-38-3 W4M to NW 36-38-3 W4M	Canadian Toad Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Canadian toad heard calling from wetland crossed by the right-of-way.	Year-round	100 m	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-24	260.56 to 260.60	12U 546716E 5796461N	NE 35-38-3 W4M to NW 36-38-3 W4M	Plains Spadefoot Breeding Waterbody	S3 (T) <sup>2</sup> , May Be At Risk <sup>3</sup>	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	100 m from Class III and above wetlands	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-25	282.05 to 282.98	12U 565535E 5786212N	SE 35-37-1 W4M	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Farkas Project is crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 - August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works ( <i>e.g.</i> , dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.

- Notes:
- 1

All SKP locations are approximate.
- 2

See the Wildlife and Wildlife Habitat Provincial Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of (S) ranks.
- 3

Status designation assigned in the 2010 General Status of Alberta Wild Species (ASRD 2011). Definitions below are from ASRD (2011). This table only includes designations of At Risk, May Be At Risk and Sensitive.  
At Risk: Any species known to be at risk after formal detailed status assessment and legal designation as Endangered or Threatened in Alberta.  
May Be At Risk: Any species that may be at risk of extinction or extirpation, and is therefore a candidate for detailed risk assessment.  
Sensitive: Any species that is not at risk of extinction or extirpation but may require special attention or protection to prevent it from becoming at risk.
- 4

Alberta's *Wildlife Act*. A species legislated as Endangered or Threatened under the *Wildlife Act* and Wildlife Regulation or designated Special Concern by the Endangered Species Conservation Committee (ESCC) using definitions based on those used by the COSEWIC (AESRD 2012) (see Note 5).
- 5

See the Wildlife and Wildlife Habitat Federal Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of COSEWIC (2014) rankings.
- 6

See the Wildlife and Wildlife Habitat Federal Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of SARA rankings.

TABLE 5SK

WILDLIFE FEATURES AND AREAS ENCOUNTERED ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN SASKATCHEWAN

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-26	286.30 to 287.10	12U 569604E 5783970N	SE 30-37-28 W3M to NE 20-37-28 W3M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland located 40 m northeast of the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-27	286.50 to 286.90	12U 569604E 5783970N	SE 30-37-28 W3M to NE 20-37-28 W3M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland with suitable nesting habitat located 40 m northeast of the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are longer active.
WF-28	286.61 to 286.79	12U 569604E 5783970N	SE 30-37-28 W3M to NW 20-37-23 W3M	Horned Grebe Nesting Waterbody	Special Concern <sup>3</sup>	Horned grebes were observed at wetland with suitable nesting habitat, located 40 m north of the right-of-way.	April 1 to August 31	100 m from high water mark of waterbody containing nest	Schedule right-of-way preparation and construction activities outside of the federal RAP (April 1 to August 31) for horned grebe nesting waterbodies. If activities are scheduled to occur during this RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-29	286.66 to 286.83	12U 569604E 5783970N	SE 30-37-28 W3M to NW 20-37-28 W3M	Canadian Toad Breeding Waterbody	N/A	A pair of Canadian toads were heard calling from wetland located 40 m north of the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-30	288.15 to 289.39	12U 570884E 5783253N	NE 20-37-28 W3M to SW 21-37-28 W3M	Migratory Bird Concentration Site	N/A	The Cosine Lake Migratory Bird Concentration Site is located 120 m south of the right-of-way.	For staging waterfowl, peak period of use occurs between September 1 and October 15. Peak period of use for staging shorebirds occurs between May 15 and May 31 and between July 15 and August 15. Peak period for use for nesting waterfowl and colonial nesting birds occurs between May 1 and June 30.	250 m buffer from perimeter of Lake during peak periods of activity	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Implement a 250 m buffer around lake during peak periods of use by waterbirds. No pre-mowing or pre-clearing is allowed.
WF-31	296.15 to 296.55	12U 578002E 5779252N	SW 7-37-27 W3M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland with suitable nesting habitat, located 50 m north of the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-32	337.04 to 337.48	12U 613472E 5760583N	SW 10-35-24 W3M to NW 2-35-24 W3M	Canadian Toad Breeding Waterbody	N/A	Canadian toads were heard calling from dugout in wetland crossed by the right-of-way and temporary workspace.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-33	338.28 to 340.11	12U 614360E 5759969N	NW 2-35-24 W3M to SW 2-35-24 W3M	Migratory Bird Concentration Site	N/A	The Shallow Lake Migratory Bird Concentration Site is located 120 m northeast of the right-of-way.	For staging waterfowl, peak period of use occurs between September 1 and October 15. Peak period of use for staging shorebirds occurs between May 15 and May 31 and between July 15 and August 15. Peak period for use for nesting waterfowl and colonial nesting birds occurs between May 1 and June 30.	250 m buffer from perimeter of Lake during peak periods of activity	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Implement a 250 m buffer around lake during peak periods of use by waterbirds. No pre-mowing or pre-clearing is allowed.
WF-34	341.34 to 341.44	12U 617084E 5758516N	NE 35-34-24 W3M	Canadian Toad Breeding Waterbody	N/A	Canadian toads were heard calling from north part of wetland crossed by the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-35	345.96 to 347.65	12U 622168E 5756592N	SE 29-34-23 W3M	Ferruginous Hawk Nest	S4B, S4M <sup>2</sup> , Threatened <sup>3,4</sup>	A ferruginous hawk nest was located approximately 520 m northeast of the right-of-way.	March 15 to July 15	1,000 m from nest	Schedule clearing and construction activities outside of the RAP (March 15 to July 15). If activities are scheduled to occur during the RAP, conduct a raptor survey prior to right-of-way preparation or construction activities. In the event that an active sensitive raptor nest is discovered during right-of-way preparation or construction activities, the appropriate protective buffer will be applied until the nest is no longer active.
WF-36	359.65 to 360.00	12U 632462E 5749817N	SW 4-34-22 W3M	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada White Heron Lake Project is crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works ( <i>e.g.</i> , dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.

TABLE 5SK Cont'd

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-37	496.24 to 496.40	13U 341726E 5698531N	NE 24-28-10 W3M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at a wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesing colony <sup>1</sup> is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-38	520.90 to 520.90	13U 364388E 5689958N	SE 32-27-7 W3M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located on the temporary workspace and 120 m northeast of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities from March 15 to May 15. In the event that the sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring). Replace topsoil and seed disturbed area as soon as practical after final clean-up and as weather and soil conditions permit.
WF-39	523.17 to 523.19	13U 366261E 5688642N	SE 28-27-7 W3M	Northern Leopard Frog Overwintering Waterbody	S3 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at the drainage crossed by the right-of-way.	Year-round	500 m from ponds used for hibernating	In the event that right-of-way preparation or construction activities are to occur within identified northern leopard frog overwintering habitat, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-40	523.17 to 523.19	13U 366261E 5688642N	SE 28-27-7 W3M	Canadian Toad Breeding Waterbody	N/A	Canadian toads were heard calling from creek crossed by the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-41	529.97 to 530.02	13U 372055E 5685067N	SW 18-27-6 W3M to SE 18-27-6 W3M	Canadian Toad Breeding Waterbody	N/A	Canadian toads were heard calling from wetland crossed by the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-42	529.97 to 530.02	13U 372055E 5685067N	SW 18-27-6 W3M to SE 18-27-6 W3M	Plains Spadefoot Breeding Waterbody	S31	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-43	568.03 to 568.14	13U 403310E 5663734N	SE 8-25-3 W3M	Plains Spadefoot Breeding Waterbody	S31	Plains spadefoot heard calling from wetland crossed by the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified plains spadefoot breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-44	568.03 to 568.14	13U 403310E 5663734N	SE 8-25-3 W3M	Canadian Toad Breeding Waterbody	N/A	Canadian toads were heard calling from wetland crossed by the right-of-way.	Year-round	90 m from ponds used for breeding	In the event that right-of-way preparation or construction activities are to occur within an identified breeding Canadian toad breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , protective setback, restrictive activity period, implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-45	576.77 to 577.33	13U 410856E 5658916N	NW 30-24-02 W3M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located 280 m northeast of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that the sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).
WF-46	579.65 to 579.74	13U 412824E 5657118N	SE 20-24-2 W3M	Northern Leopard Frog Breeding Waterbody	S3 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was heard calling from a creek/drainage crossed by right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-47	600.87 to 602.57	13U 430287E 5643703N	SE 9-23-29 W2M	Ferruginous Hawk Nest	S4B, S4M <sup>2</sup> , Threatened <sup>3,4</sup>	A ferruginous hawk nest was located approximately 530 m southwest of the right-of-way.	March 15 to July 15	1,000 m from nest	Schedule clearing and construction activities outside of the RAP (March 15 to July 15). If activities are scheduled to occur during the RAP, conduct a raptor survey prior to right-of-way preparation or construction activities. In the event that an active sensitive raptor nest is discovered during right-of-way preparation or construction activities, the appropriate protective buffer will be applied until the nest is no longer active.
WF-48	601.54 to 602.35	13U 430741E 5644015N	NE 9-23-29 W2M	Loggerhead Shrike Nest	S3B <sup>2</sup> , Threatened <sup>3,4</sup>	Inactive loggerhead shrike nest observed 20 m south of the right-of-way.	May 1 to August 15	400 m from nest site	Schedule right-of-way preparation and construction activities outside the migratory bird RAP (April 15 to August 15). If activities are scheduled to occur within the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active. Extend road bores to avoid clearing adjacent shelterbelts, ornamental trees or windbreaks and reduce the width of the right-of-way if clearing of these features is required.
WF-49	602.50 to 602.50	13U 431235E 5643767N	SW 10-23-29 W2M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located on the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that the sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).
WF-50	609.39 to 609.60	13U 436868E 5640103N	SW 36-22-29 W2M to SE 36-22-29 W2M	Northern Leopard Frog Breeding Waterbody	S3 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at drainage crossed by the right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-51	610.55 to 610.62	13U 437749E 5639452N	NW 30-22-28 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland located 400 m southwest of the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-52	640.96 to 640.96	13U 461525E 5621073N	NE 33-20-26 W2M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located on temporary workspace, 10 m southwest of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that the sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).
WF-53	661.80 to 662.54	13U 479410E 5609677N	NE 29-19-24 W2M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located 150 m north of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that the sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).



TABLE 5SK Cont'd

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-54	770.34 to 770.42	13U 575095E 5575740N	SW 12-16-15 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at a wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-55	784.43 to 784.77	13U 587846E 5569803N	NW 20-15-13 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-56	784.87 to 785.19	13U 588356E 5570044N	NW 20-15-13 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland located 360 m north of the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-57	789.16 to 789.29	13U 592525E 5568047N	SE 15-15-13 W2M to SW 15-15-13 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-58	789.16 to 789.29	13U 592118E 5568194N	SE 15-15-13 W2M to SW 14-15-13 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland 20 m south of the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-59	792.43 to 792.52	13U 602587E 5566291N	SW 11-15-12 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-60	792.43 to 792.52	13U 595218E 5567309N	NE 12-15-13 W2M to NE 32-14-11 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-61	799.79 to 801.39	13U 602386E 5566306N	SW 11-15-12 W2M to SE 11-15-12 W2M	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Montmartre Project crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works (e.g., dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.
WF-62	801.47 to 801.47	13U 603991E 5565873N	NE 2-15-12 W2M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located on pipe laydown area 40 m south of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation (i.e., mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that an active sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures (i.e., protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).
WF-63	824.10 to 824.28	13U 625529E 5561610N	SE 25-14-10 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-64	824.40 to 824.44	13U 625766E 5561604N	SE 25-14-10 W2M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland crossed by the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-65	825.16 to 825.98	13U 626905E 5561440N	NE 19-14-9 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland located 30 m north of the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-66	834.57 to 834.78	13U 635475E 5559744N	NE 13-14-9 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-67	837.71 to 838.51	13U 638261E 5558970N	SE 17-14-8 W2M	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Deveron Uplands Wetland Project crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works (e.g., dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.
WF-68	840.88 to 840.91	13U 641407E 5558637N	NW 10-14-8 W2M	Horned Grebe Nesting Waterbody	Special Concern <sup>3</sup>	Horned grebes were observed at wetland crossed by the right-of-way.	April 1 to August 31	100 m from high water mark of waterbody containing nest	Schedule right-of-way preparation and construction activities outside of the federal RAP (April 1 to August 31) for horned grebe nesting waterbodies. If activities are scheduled to occur during this RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.

TABLE 5SK Cont'd

Wildlife Feature ID	SKP¹	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-69	840.94 to 841.00	13U 641480E 5558626N	NW 10-14-8 W2M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland crossed by the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-70	847.47 to 847.63	13U 647718E 5557477N	SW 8-14-7 W2M	Black Tern Nesting Colony	S3 (W)²	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-71	855.04 to 855.73	13U 655405E 5556094N	SE 1-14-7 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-72	856.73 to 857.33	13U 657047E 5555896N	NE 31-13-6 W2M	Black Tern Nesting Colony	S3 (W)²	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland located 300 m north of the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-73	862.52 to 862.60	13U 662311E 5554302N	NW 26-13-6 W2M	Black Tern Nesting Colony	S3 (W)²	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-74	864.32 to 864.40	13U 664059E 5553867N	NW 25-13-6 W2M	Horned Grebe Nesting Waterbody	Special Concern³	Horned grebes were observed at wetland crossed by the right-of-way.	April 1 to August 31	100 m from high water mark of waterbody containing nest	Schedule right-of-way preparation and construction activities outside of the federal RAP (April 1 to August 31) for horned grebe nesting waterbodies. If activities are scheduled to occur during this RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-75	873.66 to 873.78	13U 672088E 5551358N	NW 14-13-5 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-76	874.27 to 875.06	13U 673027E 5551320N	NE 14-13-5 W2M	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located 60 m south of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that an active sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).
WF-77	875.14 to 875.65	13U 673769E 5551146N	NW 13-13-5 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland approximately 250 m south of the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-78	895.03 to 895.13	13U 692753E 5547241N	NE 35-12-3 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-79	900.72 to 900.79	13U 699292E 5546015N	SE 33-12-2 W2M to NW 27-12-2 W2M	Black Tern Nesting Colony	S3 (W)²	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-80	900.72 to 900.79	13U 698301E 5546191N	SE 33-12-2 W2M to NE 27-12-2 W2M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland crossed by the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-81	900.72 to 900.79	13U 698301E 5546191N	SW 33-12-2 W2M to NW 27-12-2 W2M	Horned Grebe Nesting Waterbody	Special Concern³	Horned grebes were observed at wetland crossed by the right-of-way.	April 1 to August 31	100 m from high water mark of waterbody containing nest	Schedule right-of-way preparation and construction activities outside of the federal RAP (April 1 to August 31) for horned grebe nesting waterbodies. If activities are scheduled to occur during this RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-82	902.30 to 902.37	13U 699786E 5545979N	NW 27-12-2 W2M	Horned Grebe Nesting Waterbody	Special Concern³	Horned grebes were observed at wetland crossed by the right-of-way.	April 1 to August 31	100 m from high water mark of waterbody containing nest	Schedule right-of-way preparation and construction activities outside of the federal RAP (April 1 to August 31) for horned grebe nesting waterbodies. If activities are scheduled to occur during this RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-83	903.10 to 903.17	13U 700547E 5546052N	NE 27-12-2 W2M	Black Tern Nesting Colony	S3 (W)²	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.

TABLE 5SK Cont'd

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-84	903.56 to 903.69	13U 700913E 5545732N	NE 27-12-2 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-85	903.56 to 903.69	13U 700913E 5545732N	NE 27-12-2 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland crossed by the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-86	903.56 to 903.69	13U 700913E 5545732N	NE 27-12-2 W2M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland crossed by the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-87	903.82 to 903.84	13U 701089E 5545616N	NE 27-12-2 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-89	904.28 to 905.34	13U 701733E 5545128N	SW 26-12-2 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland located 300 m south of the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-90	906.62 to 906.70	13U 703840E 5544332N	NW 24-12-2 W2M to NE 24-12-2 W2M	Eared Grebe Nesting Colony	N/A	Eared grebes were observed at wetland crossed by the right-of-way.	May 15 to July 15	200 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to July 15), which will avoid the provincial RAP (May 15 to July 15) in Saskatchewan. If activities are scheduled to occur during the RAP, conduct a nest sweep prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-91	906.62 to 906.70	13U 703840E 5544332N	NW 24-12-2 W2M to NE 24-12-2 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-92	908.33 to 908.48	13U 704947E 5543967N	NW 19-12-1 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-93	910.69 to 910.93	13U 707034E 5542991N	SW 20-12-1 W2M to NW 17-12-1 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-94	912.08 to 912.53	13U 708467E 5542639N	NW 16-12-1 W2M	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-95	917.01 to 917.07	13U 712801E 5541006N	NE 11-12-1 W2M	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland 100 m north of the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-96	921.67 to 921.72	14U 286868E 5539155N	NW 32-11-33 WPM	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-97	942.75 to 943.09	14U 306383E 5529359N	NE 36-10-32 WPM	Black Tern Nesting Colony	S3 (W) <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 15	400 m setback from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-98	948.71 to 951.17	14U 310720E 5527158N	NE 28-10-31 WPM to SE 27-10-31 WPM	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Fairlight Demo and Sweetening Forage 2006 projects are crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works (e.g., dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.
WF-99	956.52 to 957.35	14U 318263E 5524110N	NW 17-10-30 WPM	Northern Leopard Frog Breeding Waterbody	S3 (W) <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at wetland located 20 m north of the right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures (i.e., implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.

TABLE 5SK Cont'd

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-100	956.77 to 956.78	14U 318091E 5524087N	NW 17-10-30 WPM	American Bittern Nesting Waterbody	N/A	American bittern was heard at wetland directly adjacent to the right-of-way.	May 1 to July 15	350 m from nest site	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Saskatchewan. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nest is found, the appropriate protective buffer will be applied until the nest is no longer active.
WF-101	956.89 to 957.71	14U 318612E 5523998N	NW 17-10-30 WPM	Northern Leopard Frog Breeding Waterbody	S3 (W) <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at wetland located 20 m north of the right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-102	956.98 to 957.02	14U 318297E 5524034N	NW 17-10-30 WPM	Northern Leopard Frog Breeding Waterbody	S3 (W) <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at wetland crossed by the right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-103	957.18 to 957.27	14U 318524E 5523982N	NW 17-10-30 WPM	Northern Leopard Frog Breeding Waterbody	S3 (W) <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at wetland crossed by the right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-104	958.63 to 959.39	14U 319748E 5523308N	SW 16-10-30 WPM	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada MM 10 Yr Conver Hay-Hill project crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 - August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works ( <i>e.g.</i> , dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.
WF-105	958.85 to 959.18	14U 320050E 5523124N	SW 16-10-30 WPM	Northern Leopard Frog Breeding Waterbody	S3 (W) <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at wetland crossed by the right-of-way.	Year-round	400 m from breeding pond	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.

- Notes:
- 1

All SKP locations are approximate.
- 2

See the Wildlife and Wildlife Habitat Provincial Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of (S) ranks.
- 3

See the Wildlife and Wildlife Habitat Federal Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of COSEWIC (2014) rankings.
- 4

See the Wildlife and Wildlife Habitat Federal Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of SARA rankings.

TABLE 5MB

WILDLIFE FEATURES AND AREAS ENCOUNTERED ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN MANITOBA

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-105A	1008.26 to 1009.65	14U 366045E 5509882N	SW 7-9-25 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding 400 m north of the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-106	1008.73 to 1009.02	14U 365935E 5509572N	NW 6-9-25 WPM to NE 6-9-25 WPM	Northern Leopard Frog Breeding Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was heard calling at wetland crossed by the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-107	1009.64 to 1013.66	14U 368733E 5509469N	NW 5-9-25 WPM to NE 2-9-25 WPM	Northern Leopard Frog Breeding Waterbody	S41, Special Concern <sup>3,4</sup>	Northern leopard frog was heard calling at wetland crossed by the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-107A	1010.34 to 10111.76	14U 368141E 5509762N	SE 8-9-25 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding 200 m north of the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-107B	1011.70 to 1013.18	14U 369502E 5509308N	NE 4-9-25 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding 100 m south of the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-107C	1014.89 to 1016.32	14U 372686E 5509457N	NE 2-9-25 WPM to SE 11-9-25 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding 300 m north of the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-108	1016.12 to 1016.84	14U 373554E 5509320N	NW 1-9-25 WPM	Sharp-tailed Grouse Lek	N/A	Sharp-tailed grouse lek was located 160 m north of the right-of-way.	March 15 to May 15	400 m from sharp-tailed grouse lek	Avoid right-of-way preparation ( <i>i.e.</i> , mowing/clearing) and construction activities during the active lek period of March 15 to May 15. In the event that the sharp-tailed grouse lek is identified to be active during right-of-way preparation or construction activities, the lek will be subject to site-specific mitigation measures ( <i>i.e.</i> , protective buffer around the lek, timing constraints during the active lekking period and/or monitoring).
WF-109	1064.97 to 1065.81	14U 420951E 5498715N	SW 11-8-20 WPM	Northern Leopard Frog Breeding Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was heard calling at wetland north of the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-110	1073.78 to 1075.50	14U 428911E 5496488N	NW 34-7-19 WPM to NE 34-7-19 WPM	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Log Cabin Project is crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 31). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works ( <i>e.g.</i> , dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.
WF-111	1073.78 to 1074.67	14U 428911E 5496488N	NW 34-7-19 WPM	Conservation Agreement	N/A	The Manitoba Habitat Heritage Corporation Kozak and Rouire Conservation Agreement is crossed by the right-of-way.	April 15 to August 15	N/A	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. No pre-mowing or pre-clearing allowed.
WF-112	1074.77 to 1075.67	14U 430301E 5496587N	NE 34-7-19 WPM	Northern Leopard Frog Overwintering Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at dugout located 30 m north of the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within identified northern leopard frog overwintering habitat, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-113	1074.82 to 1075.56	14U 430248E 5496669N	NE 34-7-19 WPM	Northern Leopard Frog Overwintering Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at wetland located approximately 100 m north of the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within identified northern leopard frog overwintering habitat, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-114	1078.01 to 1078.83	14U 432987E 5495968N	SE 36-7-19 WPM	Conservation Agreement	N/A	The Manitoba Habitat Heritage Corporation Cunningham Conservation Agreement is crossed by the right-of-way.	April 15 to August 15	N/A	Adhere to the migratory bird RAP (April 15 to August 31). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. No pre-mowing or pre-clearing allowed.
WF-115	1095.34 to 1095.40	14U 449807E 5492649N	NE 22-7-17 WPM	Northern Leopard Frog Overwintering Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was observed at Souris River, crossed by the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within identified northern leopard frog overwintering habitat, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-116	1109.49 to 1109.51	14U 462988E 5490342N	NE 12-7-16 WPM	Northern Leopard Frog Breeding Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was heard calling at watercourse 350 m south of the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding waterbody, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-116A	1128.99 to 1130.49	14U 482593E 5486523N	NW 36-6-14 WPM to NE 36-6-14 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.

TABLE 5MB Cont'd

Wildlife Feature ID	SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature/area	Species Status Designation	Description	Construction Timing Restriction	Recommended Setback Distance	Recommended Mitigation
WF-116B	1131.23 to 1132.74	14U 484669E 5485687N	SE 31-6-13 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-117	1131.84 to 1132.53	14U 484890E 5485577N	SW 31-6-13 WPM to SW 27-6-13 WPM	Northern Leopard Frog Breeding and Overwintering Waterbody	S4 <sup>2</sup> , Special Concern <sup>3,4</sup>	Northern leopard frog was heard at wetland crossed by the right-of-way.	Year-round	400 m from breeding pond or wintering site	In the event that right-of-way preparation or construction activities are to occur within an identified northern leopard frog breeding or overwintering habitat, site-specific mitigation measures ( <i>i.e.</i> , implementation of silt fencing, salvage activities and/or monitoring) will be implemented in consultation with the appropriate provincial authority.
WF-117A	1132.22 to 1133.73	14U 485580E 5485298N	SW 32-6-13 WPM	Black Tern Nesting Colony	S4B <sup>2</sup>	Black terns displayed foraging and breeding behaviour indicative of breeding at wetland crossed by the right-of-way.	May 1 to July 31	750 m from nesting colony	Schedule right-of-way preparation and construction activities outside of the migratory bird RAP (April 15 to August 15), which will avoid the provincial RAP (May 1 to July 15) in Manitoba. If activities are scheduled to occur during the migratory bird RAP, a nest sweep will be conducted prior to right-of-way preparation or construction activities. In the event that an active nesting colony is found, the appropriate protective buffer will be applied until the nests are no longer active.
WF-118	1199.82 to 1200.25	14U 543016E 5457418N	SW 6-4-7 WPM	Ducks Unlimited Canada Wetland Project	N/A	The Ducks Unlimited Canada Lizard Lake Wetland Project is crossed by the right-of-way.	April 15 to August 15 (Migratory Bird RAP)	30 m from wetlands	Adhere to the migratory bird RAP (April 15 to August 15). In the event that the construction schedule changes and right-of-way preparation or construction activities are planned during the migratory bird RAP, a nest sweep will be conducted within seven days prior to the commencement of activities to identify active nests. Avoid disturbing constructed works ( <i>e.g.</i> , dikes, ditches, dams, control structures, etc.) and wetlands or wildlife habitat maintained by Ducks Unlimited Canada. Maintain a 30 m setback from wetlands, where feasible. Prior approval to use heavy equipment on constructed works is required. Restore pre-construction profile in wetlands during reclamation. Use approved Ducks Unlimited Canada grass seed mix during reclamation.

- Notes:
- 1 All SKP locations are approximate.
  - 2 See the Wildlife and Wildlife Habitat Provincial Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of (S) ranks.
  - 3 See the Wildlife and Wildlife Habitat Federal Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of COSEWIC (2014) rankings.
  - 4 See the Wildlife and Wildlife Habitat Federal Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of SARA rankings.

TABLE 6AB

WETLANDS ENCOUNTERED ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN ALBERTA

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland (W4M)	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
AB-001	open water pond (Class V) wetland complex	185.81 to 186.21	NW 17-42-9 W4M	12U 481706E 5830392N	0.30	1.45	shrub staking rare plant concern³	Rare plant observed (scratch grass, <i>Muhlenbergia asperifolia</i> ).²
AB-002	shrubby swamp	187.43 to 187.51	NW 16-42-9 W4M	12U 483194E 5830360N	--	0.18	--	--
AB-003	ephemeral/temporary marsh (Class I/Class II)	188.01 to 188.33	NE 16-42-9 W4M	12U 483867E 5830330N	0.30	1.40	seed mix	--
AB-004	semi-permanent marsh (Class IV)	190.21 to 190.29	SE 15-42-9 W4M	12U 485639E 5829240N	0.07	0.35	--	--
AB-005	seasonal marsh (Class III)	190.69 to 190.75	SE 15-42-9 W4M	12U 486045E 5829006N	0.05	0.20	shrub staking	--
AB-006	shrubby swamp	190.97 to 191.05	SW 14-42-9 W4M	12U 486292E 5828847N	--	0.17	--	--
AB-007	ephemeral/temporary marsh (Class I/Class II)	191.46 to 191.49	NW 11-42-9 W4M	12U 486683E 5828611N	--	0.05	seed mix	--
AB-008	ephemeral/temporary marsh (Class I/Class II)	191.56 to 191.63	NW 11-42-9 W4M	12U 486771E 5828558N	--	0.10	seed mix	--
		191.60 to 191.61	NW 11-42-9 W4M	12U 486791E 5828537N	--	<0.01		
AB-009	ephemeral/temporary marsh (Class I/Class II)	191.66 to 191.69	NW 11-42-9 W4M	12U 486862E 5828515N	--	0.06	rare plant concern³	Rare plant observed (lance-leaved loosestrife, <i>Lysimachia hybrida</i> ).²
AB-010	ephemeral/temporary marsh (Class I/Class II)	191.93 to 191.96	NE 11-42-9 W4M	12U 487084E 5828367N	--	0.04	--	--
AB-011	ephemeral/temporary marsh (Class I/Class II)	192.01 to 192.04	NE 11-42-9 W4M	12U 487169E 5828348N	<0.01	0.03	--	--
AB-012	ephemeral/temporary marsh (Class I/Class II)	192.54 to 192.60	NE 11-42-9 W4M	12U 487621E 5828056N	0.04	0.11	--	--
AB-013	semi-permanent marsh (Class IV) wetland complex	193.09 to 193.28	SW 12-42-9 W4M	12U 488148E 5827728N	0.18	0.79	--	--
AB-014	temporary marsh (Class II)	194.45 to 194.48	NE 1-42-9 W4M	12U 489221E 5827045N	--	0.01	seed mix	--
AB-015	ephemeral/temporary marsh (Class I/Class II)	194.86 to 194.88	NW 6-42-8 W4M	12U 489573E 5826844N	--	0.02	--	--
AB-016	ephemeral/temporary marsh (Class I/Class II)	195.05 to 195.10	NW 6-42-8 W4M	12U 489743E 5826726N	--	0.03	--	--
AB-017	ephemeral/temporary marsh (Class I/Class II)	195.60 to 195.66	NE 6-42-8 W4M	12U 490231E 5826453N	0.04	0.15	--	--
AB-018	shrubby swamp	196.75 to 196.85	SW 5-42-8 W4M	12U 491055E 5825565N	--	0.39	--	Wetland is encountered exclusively by a laydown area.⁶
AB-020	ephemeral/temporary marsh (Class I/Class II)	197.88 to 197.92	NE 32-41-8 W4M	12U 492167E 5825282N	0.03	0.05	--	--
AB-021	ephemeral/temporary marsh (Class I/Class II)	198.43 to 198.45	NE 32-41-8 W4M	12U 492637E 5825007N	--	<0.01	--	--
AB-022	ephemeral/temporary marsh (Class I/Class II) wetland complex	199.81 to 200.54	SE 33-41-8 W4M to SW 34-41-8 W4M	12U 494121E 5824082N	0.68	3.46	--	--
AB-023	shrubby swamp	200.60 to 200.67³	NW 27-41-8 W4M	12U 494487E 5823834N	--	0.10	--	--
AB-024	temporary marsh (Class II)	202.20 to 202.23	NE 27-41-8 W4M to NW 26-41-8 W4M	12U 495866E 5823082N	--	0.04	seed mix	--
AB-025	broad-leaf treed swamp	202.46 to 202.54	SW 26-41-8 W4M	12U 496129E 5822953N	--	0.16	--	--
AB-026	ephemeral/temporary marsh (Class I/Class II)	203.81 to 203.88	SE 26-41-8 W4M	12U 497294E 5822288N	--	0.13	--	--
AB-027	seasonal marsh (Class III)	204.13 to 204.15	NW 24-41-8 W4M	12U 497544E 5822144N	--	0.03	--	--
AB-028	seasonal marsh (Class III)	204.58 to 204.60	NW 24-41-8 W4M	12U 497944E 5821920N	--	<0.01	--	--
AB-029	seasonal marsh (Class III) wetland complex	206.74 to 206.75	SW 19-41-7 W4M	12U 499684E 5821043N	--	0.01	--	--
		206.90 to 206.90	SW 19-41-7 W4M	12U 499816E 5820962N	--	<0.01		
AB-030	alkali marsh (Class VI) wetland complex	208.66 to 208.82	NW 17-41-7 W4M	12U 501427E 5820088N	0.13	0.50	wildlife concern⁵	Potential Canadian toad breeding waterbody. ⁵
AB-031	seasonal marsh (Class III)	208.82 to 208.90	NW 17-41-7 W4M	12U 501538E 5820026N	0.06	0.27	shrub staking	--
AB-032	semi-permanent marsh (Class IV)	209.65 to 209.82	SE 17-41-7 W4M	12U 502318E 5819637N	0.16	0.73	wildlife concern⁵	Potential Canadian toad breeding waterbody. ⁵
AB-033	seasonal marsh (Class III) wetland complex	210.03 to 210.09	SW 16-41-7 W4M	12U 502596E 5819486N	0.02	0.18	--	--
		210.14 to 210.20	SW 16-41-7 W4M	12U 502701E 5819430N	--	0.08		
AB-034	seasonal marsh (Class III) wetland complex	210.25 to 210.27	SW 16-41-7 W4M	12U 502777E 5819384N	--	<0.01	--	--
		210.32 to 210.43	SW 16-41-7 W4M	12U 502874E 5819343N	--	0.15		
AB-035	seasonal marsh (Class III) wetland complex	210.54 to 210.62	SW 16-41-7 W4M	12U 503062E 5819253N	--	0.19	shrub staking	--
AB-036	seasonal marsh (Class III)	210.82 to 210.85	SE 16-41-7 W4M	12U 503287E 5819131N	--	0.10	--	--
AB-037	semi-permanent marsh (Class IV)	211.83 to 211.84	NW 10-41-7 W4M	12U 504185E 5818689N	--	<0.01	--	--
AB-038	seasonal marsh (Class III)	212.01 to 212.06	NW 10-41-7 W4M	12U 504363E 5818616N	0.03	0.18	--	--
AB-039	seasonal marsh (Class III)	212.35 to 212.37	NW 10-41-7 W4M	12U 504637E 5818430N	--	0.04	--	--
AB-040	temporary marsh (Class II)	212.78 to 212.82	NE 10-41-7 W4M	12U 505028E 5818223N	--	0.02	shrub staking	--
AB-041	seasonal marsh (Class III)	212.90 to 213.02	NE 10-41-7 W4M to SE 10-41-7 W4M	12U 505180E 5818180N	--	0.26	--	--
AB-042	temporary marsh (Class II)	213.03 to 213.18	SE 10-41-7 W4M	12U 505321E 5818128N	--	0.30	shrub staking	--
AB-043	shrubby swamp	213.36 to 213.42	SE 10-41-7 W4M	12U 505581E 5818030N	--	0.12	--	--
AB-044	seasonal marsh (Class III)	214.01 to 214.06	SW 11-41-7 W4M	12U 506181E 5817790N	--	0.03	--	--
AB-045	seasonal marsh (Class III)	214.38 to 214.59	SW 11-41-7 W4M to SE 11-41-7 W4M	12U 506584E 5817565N	0.04	0.39	--	--
AB-046	seasonal marsh (Class III)	216.17 to 216.22	NE 1-41-7 W4M	12U 508114E 5816847N	0.05	0.15	--	--
AB-047	ephemeral/temporary marsh (Class I/Class II)	217.07 to 217.10	SE 1-41-7 W4M to SW 6-41-6 W4M	12U 508925E 5816479N	--	<0.01	seed mix	--
AB-048	seasonal marsh (Class III)	217.15 to 217.26	SW 6-41-6 W4M	12U 509026E 5816387N	--	0.28	--	--
AB-049	seasonal marsh (Class III)	218.40 to 218.51	NE 31-40-6 W4M	12U 510065E 5815733N	0.08	0.60	shrub staking	--

TABLE 6AB Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland (W4M)	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
AB-050	semi-permanent marsh (Class IV)	220.66 to 220.81	SE 32-40-6 W4M to SW 33-40-6 W4M	12U 512188E 5814940N	0.10	0.61	--	--
AB-051	Ephemeral/temporary marsh (Class I/Class II)	221.35 to 221.39	SW 33-40-6 W4M	12U 512739E 5814654N	--	0.05	seed mix	--
AB-052	Ephemeral/temporary marsh (Class I/Class II)	221.47 to 221.51	SW 33-40-6 W4M	12U 512839E 5814597N	--	0.08	seed mix	--
		221.51 to 221.58	SW 33-40-6 W4M	12U 512894E 5814572N	--	0.14		
AB-053	seasonal marsh (Class III) wetland complex	222.59 to 223.19	NW 27-40-6 W4M	12U 514107E 5813983N	0.57	2.89	watercourse⁴ and wildlife⁵ concerns	Associated with a fish-bearing watercourse (Ribstone Creek; AB-WC13).⁴ Potential Canadian toad breeding waterbody.⁵
		224.55 to 224.65	SW 26-40-6 W4M	12U 515629E 5813222N	0.03	0.19		
		224.72 to 225.54	SW 26-40-6 W4M to SE 26-40-6 W4M	12U 516077E 5812994N	0.55	3.36		
AB-054	ephemeral/temporary marsh (Class I/Class II)	223.25 to 223.40	NW 27-40-6 W4M	12U 514493E 5813794N	0.12	0.47	seed mix	--
AB-055	ephemeral/temporary marsh (Class I/Class II)	224.26 to 224.30	NE 27-40-6 W4M	12U 515336E 5813354N	--	0.04	--	--
AB-056	seasonal marsh (Class III)	226.40 to 226.50	NW 24-40-6 W4M	12U 517278E 5812399N	0.07	0.33	--	--
AB-057	semi-permanent marsh (Class IV) wetland complex	228.00 to 228.05	SE 24-40-6 W4M to SW 19-40-5 W4M	12U 518678E 5811668N	--	0.08	--	--
AB-058	semi-permanent marsh (Class IV)	228.11 to 228.15	SW 19-40-5 W4M	12U 518781E 5811640N	0.03	0.16	wildlife concern⁵	Potential black tern nesting colony.⁵
		228.23 to 228.30	SW 19-40-5 W4M	12U 518895E 5811591N	0.04	0.20		
AB-059	seasonal marsh (Class III)	228.65 to 228.82	SW 19-40-5 W4M	12U 519325E 5811371N	0.12	0.64	--	--
AB-060	open water pond (Class V) wetland complex	229.18 to 229.58	SE 19-40-5 W4M	12U 519906E 5811081N	0.35	1.73	wildlife concern⁵	Potential black tern nesting colony. Potential plains spadefoot breeding waterbody.⁵
		229.68 to 230.08	NE 18-40-5 W4M to NW 17-40-5 W4M	12U 520332E 5810867N	0.36	1.66		
		230.20 to 230.25	NW 17-40-5 W4M	12U 520641E 5810680N	--	0.04		
AB-061	ephemeral/temporary marsh (Class I/Class II)	230.92 to 230.95	NE 17-40-5 W4M	12U 521255E 5810338N	--	0.03	--	--
AB-062	broad-leaf treed swamp	232.95 to 232.98	SE 16-40-5 W4M	12U 523027E 5809350N	--	0.02	--	--
AB-063	shrubby swamp	233.29 to 233.33	NE 9-40-5 W4M	12U 523335E 5809181N	--	0.04	--	--
AB-064	ephemeral/temporary marsh (Class I/Class II) wetland complex	233.75 to 234.03	NW 10-40-5 W4M	12U 523841E 5808909N	0.11	0.78	seed mix wildlife concern⁵	Potential Canadian toad breeding waterbody. Potential plains spadefoot breeding waterbody.⁵
		234.05 to 234.08	NW 10-40-5 W4M	12U 523982E 5808817N	--	0.01		
		234.08 to 234.14	NW 10-40-5 W4M	12U 524030E 5808800N	--	0.09		
		234.15 to 234.18	NW 10-40-5 W4M	12U 524075E 5808772N	--	0.04		
		234.23 to 234.30	NW 10-40-5 W4M	12U 524162E 5808722N	--	0.08		
		234.32 to 234.34	NW 10-40-5 W4M	12U 524213E 5808687N	--	<0.01		
		234.40 to 234.57	NW 10-40-5 W4M to NE 10-40-5 W4M	12U 524349E 5808634N	0.11	0.59		
AB-065	broad-leaf treed swamp	234.86 to 234.93	SE 10-40-5 W4M	12U 524711E 5808419N	--	0.10	wildlife concern⁵	Potential Canadian toad breeding waterbody.⁵
AB-066	seasonal marsh (Class III)	235.11 to 235.17³	SE 10-40-5 W4M	12U 524909E 5808282N	--	0.08	wildlife concern⁵	Potential Canadian toad breeding waterbody.⁵
AB-067	seasonal marsh (Class III)	236.47 to 236.61	NW 2-40-5 W4M to NE 2-40-5 W4M	12U 526110E 5807608N	0.12	0.47	--	--
AB-068	ephemeral/temporary marsh (Class I/Class II)	237.23 to 237.32	NE 2-40-5 W4M	12U 526748E 5807266N	0.05	0.17	seed mix	--
		237.24 to 237.24	NE 2-40-5 W4M	12U 526711E 5807249N	--	<0.01		
		237.34 to 237.39	NE 2-40-5 W4M	12U 526831E 5807204N	0.02	0.13		
		237.41 to 237.43	NE 2-40-5 W4M to NW 1-40-5 W4M	12U 526863E 5807150N	--	<0.01		
AB-069	seasonal marsh (Class III) wetland complex	240.60 to 240.67	NW 31-39-4 W4M	12U 529169E 5805701N	0.03	0.20	--	--
AB-070	semi-permanent marsh (Class IV) wetland complex	241.14 to 241.29	NE 31-39-4 W4M	12U 529719E 5805666N	0.14	0.64	rare plant concern²	Rare plant observed (leafy pondweed, <i>Potamogeton foliosus</i> ).²
AB-071	seasonal marsh (Class III)	242.33 to 242.38	SW 32-39-4 W4M	12U 530721E 5805116N	--	0.08	--	--
AB-072	ephemeral/temporary marsh (Class I/Class II)	243.67 to 243.72	NW 28-39-4 W4M	12U 531900E 5804491N	0.01	0.08	seed mix rare plant concern²	Rare plants observed (Parry's sedge, <i>Carex parryana</i> ; and northern blue-eyed grass, <i>Sisyrinchium septentrional</i> ).²
AB-073	ephemeral/temporary marsh (Class I/Class II)	245.18 to 245.23	NE 28-39-4 W4M	12U 533227E 5803764N	--	0.05	seed mix	--
AB-074	ephemeral/temporary marsh (Class I/Class II)	245.55 to 245.59	SW 27-39-4 W4M	12U 533550E 5803591N	--	0.05	seed mix	--
AB-075	ephemeral/temporary marsh (Class I/Class II)	247.04 to 247.43	NE 22-39-4 W4M to NW 23-39-4 W4M	12U 535017E 5802818N	0.29	1.50	seed mix	--
AB-076	seasonal marsh (Class III)	247.97 to 248.03	NW 23-39-4 W4M	12U 535676E 5802434N	--	0.08	--	--
AB-077	open water pond (Class V) wetland complex	248.56 to 248.67	NE 23-39-4 W4M	12U 536227E 5802180N	0.08	0.23	--	--
AB-078	semi-permanent marsh (Class IV)	249.69 to 249.82	SW 24-39-4 W4M	12U 537233E 5801627N	0.12	0.54	wildlife concern⁵	Potential Canadian toad breeding waterbody. Potential plains spadefoot breeding waterbody.⁵
AB-079	seasonal marsh (Class III)	250.29 to 250.40	SE 24-39-4 W4M	12U 537753E 5801342N	0.06	0.36	--	--
AB-080	seasonal marsh (Class III)	251.08 to 251.12³	NW 18-39-3 W4M	12U 538396E 5800953N	--	0.02	--	--
AB-081	seasonal marsh (Class III)	252.17 to 252.25	SE 18-39-3 W4M	12U 539385E 5800460N	0.06	0.31	--	--
AB-082	semi-permanent marsh (Class IV)	252.77 to 252.96	SE 18-39-3 W4M to SW 17-39-3 W4M	12U 539962E 5800147N	0.14	0.70	wildlife concern⁵	Potential Canadian toad breeding waterbody.⁵
AB-083	open water pond (Class V) wetland complex	253.34 to 253.42	SW 17-39-3 W4M	12U 540402E 5799900N	0.01	0.17	wildlife concern⁵	Potential Canadian toad breeding waterbody. Potential plains spadefoot breeding waterbody. Potential horned grebe nesting waterbody.⁵
		254.58 to 254.64	NE 8-39-3 W4M	12U 541479E 5799300N	0.06	0.25		
AB-084	seasonal marsh (Class III)	253.74 to 253.78³	NW 8-39-3 W4M	12U 540725E 5799691N	--	0.04	--	--
AB-085	seasonal marsh (Class III)	257.15 to 257.18	NW 3-39-3 W4M	12U 543700E 5798040N	0.03	0.04	--	--
AB-086	semi-permanent marsh (Class IV)	257.61 to 257.65³	NW 3-39-3 W4M to NE 3-39-3 W4M	12U 544031E 5797673N	--	0.04	--	--



TABLE 6AB Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End <sup>1</sup>	Legal Location of Construction within Wetland (W4M)	Centroid UTM <sup>1</sup>	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
AB-087	semi-permanent marsh (Class IV)	260.08 to 260.23	SE 2-39-3 W4M	12U 546346E 5796677N	0.13	0.73	--	--
AB-088	seasonal marsh (Class III)	260.56 to 260.60	NE 35-38-3 W4M to NW 36-38-3 W4M	12U 546716E 5796461N	--	0.08	wildlife concern <sup>5</sup>	Potential Canadian toad breeding waterbody. Potential plains spadefoot breeding waterbody. <sup>5</sup>
		260.67 to 260.76	NW 36-38-3 W4M	12U 546847E 5796403N	--	0.21		
AB-089	ephemeral marsh (Class I)	260.81 to 260.84 <sup>3</sup>	NW 36-38-3 W4M	12U 546926E 5796333N	--	0.03	--	--
AB-090	Ephemeral/temporary marsh (Class I/Class II)	260.88 to 260.93	NW 36-38-3 W4M	12U 547007E 5796312N	0.04	0.23	--	--
AB-091	seasonal marsh (Class III)	261.28 to 261.35	NW 36-38-3 W4M	12U 547376E 5796138N	--	0.06	--	--
AB-092	seasonal marsh (Class III)	262.27 to 262.32	SE 36-38-3 W4M	12U 548218E 5795635N	--	0.10	--	--
AB-093	ephemeral/temporary marsh (Class I/Class II)	262.51 to 262.57	SW 31-38-2 W4M	12U 548417E 5795499N	--	0.11	--	--
AB-094	ephemeral/temporary marsh (Class I/Class II)	263.34 to 263.39	SW 31-38-2 W4M	12U 549159E 5795132N	0.05	0.15	seed mix	--
AB-095	seasonal marsh (Class III)	266.62 to 266.66	SW 28-38-2 W4M	12U 552022E 5793555N	--	0.03	--	--
AB-096	seasonal marsh (Class III)	266.96 to 267.00	SW 28-38-2 W4M	12U 552340E 5793430N	0.01	0.03	--	--
AB-097	seasonal marsh (Class III)	267.33 to 267.39	NE 21-38-2 W4M	12U 552680E 5793253N	0.04	0.09	--	--
AB-098	seasonal marsh (Class III)	267.59 to 267.64	NE 21-38-2 W4M	12U 552905E 5793139N	--	0.04	--	--
AB-099	seasonal marsh (Class III)	267.71 to 267.82	NE 21-38-2 W4M	12U 553028E 5793051N	0.08	0.38	--	--
AB-100	seasonal marsh (Class III)	268.24 to 268.46	NW 22-38-2 W4M	12U 553512E 5792766N	0.04	0.46	--	--
AB-101	seasonal marsh (Class III)	269.18 to 269.29	SE 22-38-2 W4M	12U 554284E 5792301N	0.10	0.43	--	--
AB-102	seasonal marsh (Class III)	269.73 to 269.81	SE 22-38-2 W4M	12U 554736E 5792008N	0.05	0.34	--	--
AB-103	semi-permanent marsh (Class IV)	269.80 to 269.92	SE 22-38-2 W4M	12U 554818E 5791949N	--	0.36	--	--
AB-104	ephemeral/temporary marsh (Class I/Class II)	270.03 to 270.09	SW 23-38-2 W4M	12U 554973E 5791859N	--	0.06	seed mix	--
AB-105	seasonal marsh (Class III)	271.01 to 271.03	NE 14-38-2 W4M	12U 555848E 5791438N	--	<0.01	--	--
AB-106	seasonal marsh (Class III)	271.59 to 271.62	NE 14-38-2 W4M	12U 556353E 5791157N	0.01	0.03	--	--
AB-107	seasonal marsh (Class III)	272.18 to 272.20	SW 13-38-2 W4M	12U 556852E 5790844N	--	0.01	--	--
AB-108	seasonal marsh (Class III)	272.99 to 273.04	SE 13-38-2 W4M	12U 557583E 5790479N	0.03	0.08	--	--
AB-109	seasonal marsh (Class III)	273.95 to 274.02	NW 7-38-1 W4M	12U 558437E 5790003N	0.04	0.23	--	--
AB-110	seasonal marsh (Class III)	276.53 to 276.60	SE 8-38-1 W4M	12U 560729E 5788822N	0.06	0.27	--	--
AB-111	shrubby swamp	277.16 to 277.40	NE 5-38-1 W4M to NW 4-38-1 W4M	12U 561368E 5788474N	0.04	0.67	--	--
AB-112	seasonal marsh (Class III)	277.73 to 277.96	NW 4-38-1 W4M	12U 561837E 5788240N	0.08	0.58	--	--
AB-113	ephemeral/temporary marsh (Class I/Class II)	280.56 to 280.61	NE 34-37-1 W4M	12U 564264E 5786927N	--	0.01	seed mix	--
		280.69 to 280.75	NE 34-37-1 W4M	12U 564375E 5786840N	0.03	0.13		
AB-114	seasonal marsh (Class III) wetland complex	281.32 to 281.36	NW 35-37-1 W4M	12U 564905E 5786527N	--	0.03	--	--
AB-115	ephemeral/temporary marsh (Class I/Class II)	284.69 to 284.70	NE 25-37-1 W4M	12U 567830E 5784900N	--	<0.01	seed mix	--

- Notes:
- 1

The delineated start and end locations provided are intended to identify the transition zone as accurately as possible and were derived during the desktop mapping exercise. Centroid UTM's are specific to the area of disturbance by the replacement pipeline route at each wetland crossing.
- 2

Rare plant occurrence and site-specific mitigation details are provided in Table 7 of these EAS Index Sheets.
- 3

Wetland crossing is located on extra temporary workspace.
- 4

Watercourse associations and site-specific mitigation details are provided in Table 4 of these EAS Index Sheets.
- 5

Wildlife observations, wildlife habitat descriptions and site-specific mitigation details are provided in Table 5 of these EAS Index Sheets.
- 6

Wetland crossing is located on an access road/shoo-fly location or laydown area.

TABLE 6SK

WETLANDS ENCOUNTERED ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN SASKATCHEWAN

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-001	ephemeral/temporary marsh (Class I/Class II)	284.88 to 284.92	NE 25-37-29 W3M	12U 568012E 5784798N	--	0.03	--	--
SK-002	ephemeral/temporary marsh (Class I/Class II)	285.68 to 285.73	SW 30-37-28 W3M	12U 568714E 5784417N	--	0.07	--	--
SK-003	seasonal marsh (Class III)	288.45 to 288.52	SE 20-37-28 W3M	12U 571152E 5783083N	--	0.11	--	--
SK-004	seasonal marsh (Class III)	288.60 to 288.67	SE 20-37-28 W3M	12U 571289E 5783027N	0.07	0.28	--	--
		288.72 to 288.89	SE 20-37-28 W3M to SW 21-37-28 W3M	12U 571446E 5782934N	0.09	0.52		
SK-005	temporary marsh (Class II)	291.21 to 291.23	NW 15-37-28 W3M	12U 573565E 5781813N	--	<0.01	seed mix	--
SK-006	ephemeral/temporary marsh (Class I/Class II)	292.53 to 292.57²	SE 15-37-28 W3M to SW 14-37-28 W3M	12U 574691E 5781101N	--	0.04	--	--
SK-007	ephemeral/temporary marsh (Class I/Class II)	292.91 to 292.94	SW 14-37-28 W3M	12U 575024E 5780937N	0.02	0.10	--	--
		292.95 to 292.97	SW 14-37-28 W3M	12U 575037E 5780893N	--	0.01		
SK-008a	seasonal marsh (Class III)	293.63 to 293.64	NE 11-37-28 W3M	12U 575621E 5780551N	--	<0.01	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to Cactus Lake (SK-WC1).⁵
		293.77 to 294.08	NE 11-37-28 W3M	12U 575870E 5780412N	0.03	0.69		
SK-009	seasonal marsh (Class III)	301.49 to 301.52	NW 33-36-27 W3M	12U 581966E 5777095N	0.02	0.13	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to Cactus Lake (SK-WC91).⁵
SK-010	seasonal marsh (Class III)	302.29 to 302.34	SE 33-36-27 W3M	12U 582686E 5776754N	0.02	0.15	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to Cactus Lake (SK-WC4).⁵
SK-011	ephemeral/temporary marsh (Class I/Class II)	302.45 to 302.46	SE 33-36-27 W3M	12U 582827E 5776709N	--	<0.01	--	--
SK-012	seasonal marsh (Class III)	302.53 to 302.60	SE 33-36-27 W3M to SW 34-36-27 W3M	12U 582909E 5776628N	0.03	0.23	--	--
SK-013	semi-permanent marsh (Class IV)	304.01 to 304.18	NE 27-36-27 W3M	12U 584256E 5775905N	0.16	0.41	--	--
SK-014	seasonal marsh (Class III)	304.46 to 304.48	NE 27-36-27 W3M to NW 26-36-27 W3M	12U 584593E 5775722N	0.01	0.03	--	--
SK-015	seasonal marsh (Class III)	305.03 to 305.04	NW 26-36-27 W3M	12U 585055E 5775406N	--	<0.01	--	--
		305.05 to 305.17	NW 26-36-27 W3M	12U 585138E 5775395N	0.08	0.38		
SK-016	ephemeral/temporary marsh (Class I/Class II)	306.34 to 306.36	SE 26-36-27 W3M	12U 586217E 5774794N	0.02	0.05	seed mix	--
SK-017	seasonal marsh (Class III)	309.69 to 309.79	SE 19-36-26 W3M	12U 589232E 5773233N	0.04	0.21	--	--
SK-018	seasonal marsh (Class III)	310.18 to 310.24	SW 20-36-26 W3M	12U 589652E 5773040N	0.02	0.06	--	--
		310.27 to 310.29	SW 20-36-26 W3M	12U 589716E 5773013N	--	<0.01		
SK-019	semi-permanent marsh (Class IV)	310.74 to 310.78	NW 17-36-26 W3M	12U 590136E 5772769N	0.04	0.20	--	--
SK-020	seasonal marsh (Class III)	311.08 to 311.14	NE 17-36-26 W3M	12U 590434E 5772599N	--	0.12	--	--
SK-021	seasonal marsh (Class III)	312.01 to 312.08	NW 16-36-26 W3M	12U 591288E 5772297N	0.05	0.34	--	--
SK-022	open water pond (Class V) wetland complex	312.14 to 312.23	NW 16-36-26 W3M	12U 591392E 5772215N	0.07	0.32	--	--
SK-023	seasonal marsh (Class III) wetland complex	316.84 to 316.86	SE 11-36-26 W3M	12U 595587E 5770199N	--	<0.01	--	--
SK-024	seasonal marsh (Class III)	319.44 to 319.44²	NW 6-36-25 W3M	12U 597969E 5769065N	--	<0.01	--	
		319.44 to 319.44	NW 6-36-25 W3M	12U 597955E 5769123N	--	0.03		
SK-025	seasonal marsh (Class III)	319.80 to 319.91	SW 6-36-25 W3M	12U 598208E 5768797N	--	0.18	seed mix	--
		319.91 to 319.94	SW 6-36-25 W3M	12U 598263E 5768769N	--	0.03		
SK-026	seasonal marsh (Class III)	321.01 to 321.14	SE 6-36-25 W3M	12U 599299E 5768299N	0.12	0.46	--	--
SK-027	open water pond (Class V)	321.26 to 321.29²	NW 32-35-25 W3M	12U 599468E 5768167N	--	<0.01	--	--
SK-028	seasonal marsh (Class III)	323.46 to 323.54	SW 33-35-25 W3M	12U 601481E 5767231N	0.07	0.31	--	--
SK-029	seasonal marsh (Class III)	323.76 to 323.80	SW 33-35-25 W3M	12U 601727E 5767092N	--	0.05	--	--
SK-030	seasonal marsh (Class III)	324.39 to 324.42	SE 33-35-25 W3M	12U 602300E 5766837N	0.03	0.09	--	--
SK-031	seasonal marsh (Class III) wetland complex	326.04 to 326.07	NE 27-35-25 W3M	12U 603773E 5766091N	--	0.05	--	--
SK-032	temporary marsh (Class II)	326.35 to 326.40	NE 27-35-25 W3M	12U 604077E 5765981N	--	0.02	seed mix	--
SK-033	seasonal marsh (Class III)	326.48 to 326.60	NE 27-35-25 W3M to SE 27-35-25 W3M	12U 604194E 5765916N	0.07	0.20	shrub staking	--
SK-034	seasonal marsh (Class III)	327.10 to 327.15	SW 26-35-25 W3M	12U 604757E 5765649N	--	<0.01	--	--
SK-035	shrubby swamp wetland complex	327.17 to 327.20	SW 26-35-25 W3M	12U 604790E 5765603N	0.01	0.07	--	--
SK-036	seasonal marsh (Class III)	328.03 to 328.06	SE 26-35-25 W3M	12U 605566E 5765237N	0.02	0.04	--	--
SK-037	seasonal marsh (Class III)	329.47 to 329.50	NW 24-35-25 W3M to NE 24-35-25 W3M	12U 606839E 5764576N	--	0.03	--	--
SK-038	seasonal marsh (Class III)	329.84 to 329.88	NE 24-35-25 W3M	12U 607161E 5764377N	--	0.02	--	--
SK-039	seasonal marsh (Class III)	331.41 to 331.49	SE 19-35-24 W3M to NE 18-35-24 W3M	12U 608531E 5763574N	0.08	0.31	--	--
		331.44 to 331.46	SE 19-35-24 W3M to NE 18-35-24 W3M	12U 608510E 5763550N	--	<0.01		
SK-040	seasonal marsh (Class III)	335.37 to 335.43	NE 9-35-24 W3M	12U 611901E 5761517N	--	0.04	--	--
SK-041	seasonal marsh (Class III) wetland complex	335.56 to 335.59	NE 9-35-24 W3M	12U 612052E 5761427N	--	0.03	--	--
		335.65 to 335.70	NE 9-35-24 W3M	12U 612148E 5761393N	0.05	0.16		
		335.83 to 335.90	NE 9-35-24 W3M	12U 612316E 5761283N	0.02	0.14		
		335.92 to 336.02	NE 9-35-24 W3M to SE 9-35-24 W3M	12U 612394E 5761237N	0.07	0.34		

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End <sup>1</sup>	Legal Location of Construction within Wetland	Centroid UTM <sup>1</sup>	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-042	ephemeral/temporary marsh (Class I/Class II)	336.21 to 336.25	SE 9-35-24 W3M to SW 10-35-24 W3M	12U 612621E 5761100N	0.03	0.11	seed mix	--
SK-043	seasonal marsh (Class III)	336.29 to 336.42	SW 10-35-24 W3M	12U 612721E 5761039N	0.10	0.47	--	--
SK-044	alkali marsh (Class VI)	337.04 to 337.48	SW 10-35-24 W3M to NE 3-35-24 W3M	12U 613472E 5760583N	0.41	1.75	wildlife concern <sup>5</sup>	Potential Canadian toad breeding waterbody. <sup>5</sup>
		337.05 to 337.21 <sup>3</sup>	SW 10-35-24 W3M to SE 10-35-24 W3M	12U 613445E 5760736N	--	0.27		
		337.41 to 337.42	SE 10-35-24 W3M to NE 3-35-24 W3M	12U 613603E 5760452N	--	<0.01		
		337.52 to 338.11	NE 3-35-24 W3M	12U 613934E 5760266N	0.48	1.82		
		338.28 to 338.38	NW 2-35-24 W3M	12U 614364E 5759948N	0.04	0.24		
		338.44 to 338.61	NW 2-35-24 W3M	12U 614528E 5759838N	0.16	0.72		
SK-045	seasonal marsh (Class III)	339.11 to 339.15	SW 2-35-24 W3M	12U 615040E 5759514N	--	0.03	--	--
SK-046	ephemeral/temporary marsh (Class I/Class II)	340.30 to 340.37	SW 1-35-24 W3M	12U 616130E 5758995N	0.02	0.08	seed mix	--
SK-047	alkali marsh (Class VI)	340.71 to 340.95	NW 35-34-24 W3M	12U 616569E 5758771N	0.22	0.93	--	--
SK-048	seasonal marsh (Class III)	341.34 to 341.44	NE 35-34-24 W3M	12U 617084E 5758516N	0.05	0.21	wildlife concern <sup>5</sup>	Potential Canadian toad breeding waterbody. <sup>5</sup>
SK-049	seasonal marsh (Class III)	341.78 to 341.96	NE 35-34-24 W3M	12U 617507E 5758306N	0.12	0.46	--	--
SK-050	ephemeral/temporary marsh (Class I/Class II)	342.30 to 342.37	SW 36-34-24 W3M	12U 617912E 5758104N	0.06	0.24	seed mix	--
SK-051	ephemeral/temporary marsh (Class I/Class II)	342.49 to 342.56	SW 36-34-24 W3M	12U 618086E 5758002N	--	0.12	seed mix	--
		342.62 to 342.75	SW 36-34-24 W3M	12U 618228E 5757943N	0.12	0.46		
		342.82 to 342.87	SW 36-34-24 W3M	12U 618363E 5757872N	0.02	0.13		
SK-052	seasonal marsh (Class III)	344.72 to 344.75	NW 30-34-23 W3M to NE 30-34-23 W3M	12U 620063E 5757031N	0.03	0.11	--	--
SK-053	seasonal marsh (Class III)	345.47 to 345.48	NE 30-34-23 W3M	12U 620717E 5756680N	--	<0.01	--	--
SK-054	seasonal marsh (Class III) wetland complex	345.81 to 345.89	SW 29-34-23 W3M	12U 621050E 5756531N	<0.01	0.15	--	--
		345.90 to 345.91	SW 29-34-23 W3M	12U 621096E 5756481N	--	<0.01		
		345.92 to 345.97	SW 29-34-23 W3M	12U 621150E 5756486N	0.02	0.10		
		346.01 to 346.06	SW 29-34-23 W3M	12U 621224E 5756447N	0.05	0.25		
		346.14 to 346.20	SW 29-34-23 W3M	12U 621343E 5756386N	0.04	0.19		
SK-055	shrubby swamp	346.75 to 346.80	SE 29-34-23 W3M	12U 621874E 5756095N	--	0.02	--	--
SK-056	ephemeral/temporary marsh (Class I/Class II)	347.57 to 347.68	NW 21-34-23 W3M	12U 622622E 5755730N	0.07	0.33	seed mix	--
SK-057	shrubby swamp	348.08 to 348.15	NW 21-34-23 W3M	12U 623065E 5755475N	--	0.12	--	--
SK-058	seasonal marsh (Class III)	348.47 to 348.59	NW 21-34-23 W3M to NE 21-34-23 W3M	12U 623366E 5755220N	0.10	0.51	--	--
SK-059	open water pond (Class V)	348.98 to 349.18	SE 21-34-23 W3M	12U 623843E 5754943N	0.11	0.90	--	--
SK-060	shrubby swamp	349.40 to 349.44	SE 21-34-23 W3M	12U 624135E 5754773N	--	0.05	--	--
SK-061	seasonal marsh (Class III)	349.56 to 349.69	SW 22-34-23 W3M	12U 624333E 5754673N	0.05	0.26	--	--
		349.79 to 349.88	SW 22-34-23 W3M	12U 624505E 5754579N	0.08	0.38		
SK-062	seasonal marsh (Class III)	350.09 to 350.19	SW 22-34-23 W3M	12U 624752E 5754422N	--	0.12	--	--
SK-063	seasonal marsh (Class III)	350.23 to 350.38	SW 22-34-23 W3M	12U 624906E 5754341N	0.08	0.56	--	--
		350.29 to 350.39 <sup>3</sup>	SW 22-34-23 W3M	12U 624904E 5754270N	--	0.15		
SK-064	seasonal marsh (Class III)	350.47 to 350.60	NE 15-34-23 W3M	12U 625092E 5754218N	--	0.39	--	--
SK-065	ephemeral/temporary marsh (Class I/Class II)	352.85 to 352.87	SE 14-34-23 W3M	12U 626668E 5752752N	--	0.04	seed mix	--
SK-066	ephemeral/temporary marsh (Class I/Class II)	354.65 to 354.69	NW 12-34-23 W3M	12U 628319E 5752196N	--	0.02	seed mix	--
SK-067	seasonal marsh (Class III)	356.11 to 356.20	SW 7-34-22 W3M	12U 629573E 5751476N	--	0.19	--	--
SK-068	seasonal marsh (Class III)	358.81 to 358.82 <sup>2</sup>	SE 5-34-22 W3M	12U 631694E 5750007N	--	0.01	--	--
SK-069	open water pond (Class V) wetland complex	359.12 to 359.21	SE 5-34-22 W3M	12U 632015E 5749983N	0.03	0.14	--	--
		359.46 to 359.57	SE 5-34-22 W3M	12U 632323E 5749868N	0.03	0.24		
SK-070	semi-permanent marsh (Class IV)	359.80 to 360.09	SW 4-34-22 W3M to NW 33-33-22 W3M	12U 632720E 5749643N	0.11	1.09	rare plant concern <sup>4</sup>	Rare plant observed (least mouseltail, <i>Myosurus minimus</i> ). <sup>4</sup>
SK-071	ephemeral/temporary marsh (Class I/Class II)	360.36 to 360.47	NW 33-33-22 W3M	12U 633120E 5749434N	0.09	0.41	seed mix	--
		360.55 to 360.59	NW 33-33-22 W3M	12U 633245E 5749341N	--	0.01		
SK-072	seasonal marsh (Class III)	361.52 to 361.64	SE 33-33-22 W3M to SW 34-33-22 W3M	12U 634074E 5748796N	0.06	0.52	seed mix	--
		361.67 to 361.74	SW 34-33-22 W3M	12U 634211E 5748786N	--	0.11		
SK-073	seasonal marsh (Class III)	361.95 to 362.07	SW 34-33-22 W3M	12U 634501E 5748787N	0.09	0.60	--	--
		362.10 to 362.23	SW 34-33-22 W3M	12U 634640E 5748699N	0.12	0.56		
SK-074	ephemeral/temporary marsh (Class I/Class II)	362.25 to 362.50	SW 34-33-22 W3M to SE 34-33-22 W3M	12U 634826E 5748592N	0.23	1.06	seed mix	--
SK-075	seasonal marsh (Class III) wetland complex	363.10 to 363.46	SE 34-33-22 W3M	12U 635399E 5748080N	--	0.07	--	--
		363.61 to 363.71	SW 35-33-22 W3M to W 26-33-22 W3M	12U 635818E 5748054N	0.05	0.29		
SK-076	ephemeral/temporary marsh (Class I/Class II)	363.98 to 364.05	NW 26-33-22 W3M	12U 636060E 5747854N	0.07	0.19	--	--
SK-077	semi-permanent marsh (Class IV)	365.20 to 365.26	SE 26-33-22 W3M	12U 637118E 5747266N	--	0.04	--	--
SK-078	seasonal marsh (Class III)	365.90 to 366.09	SW 25-33-22 W3M	12U 637770E 5746880N	0.08	0.53	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-079	seasonal marsh (Class III)	366.44 to 366.48	SW 25-33-22 W3M	12U 638190E 5746662N	--	<0.01	--	--
SK-080	seasonal marsh (Class III)	366.66 to 366.77	SE 25-33-22 W3M to NE 24-33-22 W3M	12U 638402E 5746536N	--	0.10	--	--
		366.89 to 366.93	NE 24-33-22 W3M	12U 638581E 5746439N	--	0.02		
SK-090	seasonal marsh (Class III) wetland complex	367.57 to 367.95	NW 19-33-21 W3M	12U 639244E 5745974N	0.37	1.66	--	--
		367.77 to 367.80³	NW 19-33-21 W3M	12U 639241E 5745914N	--	<0.01		
SK-091	seasonal marsh (Class III)	368.87 to 368.95	SE 19-33-21 W3M	12U 640238E 5745400N	--	0.17	--	--
SK-092	open water pond (Class V)	370.44 to 370.51	NE 17-33-21 W3M	12U 641616E 5744657N	0.06	0.28	--	--
SK-093	open water pond (Class V) wetland complex	371.11 to 371.19	NE 17-33-21 W3M	12U 642209E 5744326N	0.06	0.25	seed mix	--
		371.20 to 371.25	NE 17-33-21 W3M	12U 642248E 5744260N	--	0.03		
SK-094	seasonal marsh (Class III)	372.15 to 372.36	SW 16-33-21 W3M to SE 16-33-21 W3M	12U 643135E 5743797N	0.07	0.57	--	--
SK-095	ephemeral/temporary marsh (Class I/Class II)	373.13 to 373.19	NE 9-33-21 W3M	12U 643961E 5743352N	0.05	0.17	seed mix	--
SK-096	seasonal marsh (Class III)	373.50 to 373.52	NW 10-33-21 W3M	12U 644274E 5743199N	--	<0.01	--	--
SK-097	seasonal marsh (Class III)	374.88 to 374.94	SE 10-33-21 W3M	12U 645496E 5742516N	--	0.04	seed mix	--
SK-098	seasonal marsh (Class III) wetland complex	376.72 to 376.76	NE 2-33-21 W3M	12U 646924E 5741566N	0.04	0.27	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to Eagle Creek (SK-WC7).⁵
SK-099	seasonal marsh (Class III) wetland complex	378.68 to 378.74	SE 1-33-21 W3M	12U 648560E 5740808N	0.03	0.18	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to Eagle Creek (SK-WC8).⁵
SK-100	ephemeral/temporary marsh (Class I/Class II)	378.83 to 378.96	SE 1-33-21 W3M	12U 648727E 5740714N	0.03	0.28	seed mix	--
SK-101	seasonal marsh (Class III)	379.54 to 379.77	SW 6-33-20 W3M	12U 649429E 5740433N	0.20	1.02	--	--
SK-102	seasonal marsh (Class III)	380.10 to 380.15	NE 31-32-20 W3M	12U 649875E 5740278N	0.04	0.10	--	--
SK-103	seasonal marsh (Class III)	381.37 to 381.54	NW 32-32-20 W3M	12U 651112E 5739799N	0.12	0.62	--	--
SK-104	seasonal marsh (Class III)	381.97 to 382.03	NE 32-32-20 W3M to E 32-32-20 W3M	12U 651625E 5739603N	0.04	0.22	--	--
SK-105	seasonal marsh (Class III)	385.36 to 385.45	NW 27-32-20 W3M to NE 27-32-20 W3M	12U 654808E 5738401N	0.06	0.32	--	--
SK-106	seasonal marsh (Class III)	385.58 to 385.66	NE 27-32-20 W3M	12U 655006E 5738323N	0.03	0.22	--	--
SK-107	seasonal marsh (Class III)	385.97 to 386.04	NE 27-32-20 W3M	12U 655368E 5738196N	0.07	0.24	--	--
SK-108	seasonal marsh (Class III)	386.48 to 386.60	SW 26-32-20 W3M	12U 655867E 5738001N	0.10	0.49	--	--
SK-109	seasonal marsh (Class III)	389.04 to 389.19	NE 24-32-20 W3M	12U 658270E 5737076N	--	0.16	--	--
SK-110	seasonal marsh (Class III)	389.78 to 389.89	NE 24-32-20 W3M to NW 19-32-19 W3M	12U 658943E 5736834N	0.08	0.43	--	--
SK-111	seasonal marsh (Class III)	390.06 to 390.16	NW 19-32-19 W3M	12U 659205E 5736739N	0.09	0.42	--	--
SK-112	seasonal marsh (Class III)	394.78 to 394.83	NE 16-32-19 W3M	12U 663627E 5735161N	--	0.07	watercourse concern⁵	Associated with a fish-bearing unnamed tributary to Eagle Creek (SK-WC9).⁵
SK-113	semi-permanent marsh (Class IV) wetland complex	401.94 to 402.08	SW 8-32-18 W3M	12U 670508E 5733132N	0.10	0.45	--	--
SK-114a	ephemeral/temporary marsh (Class I/Class II)	NE 5-32-18 W3M	NE 5-32-18 W3M	12U 671406E 5732845N	--	0.25	seed mix	
SK-115	seasonal marsh (Class III)	409.22 to 409.30	NE 35-31-18 W3M	12U 677022E 5731046N	--	0.21	--	--
		409.31 to 409.32	NE 35-31-18 W3M to NW 36-31-18 W3M	12U 677084E 5731040N	--	<0.01		
SK-116	seasonal marsh (Class III)	415.35 to 415.41	SW 28-31-17 W3M	12U 682821E 5729081N	--	0.10	--	--
SK-117	seasonal marsh (Class III)	419.06 to 419.15	NE 23-31-17 W3M	12U 686298E 5727833N	--	0.07	--	--
SK-118	seasonal marsh (Class III)	426.25 to 426.30	NE 9-31-16 W3M	12U 693073E 5725508N	--	0.08	--	--
SK-119	seasonal marsh (Class III)	426.70 to 426.91	NE 9-31-16 W3M to NW 10-31-16 W3M	12U 693592E 5725411N	0.09	0.73	--	--
SK-120	seasonal marsh (Class III)	427.03 to 427.06	NW 10-31-16 W3M	12U 693801E 5725328N	--	<0.01	--	--
SK-121	ephemeral/temporary marsh (Class I/Class II)	427.13 to 427.19	NW 10-31-16 W3M	12U 693916E 5725312N	0.04	0.21	seed mix	--
SK-122a	seasonal marsh (Class III)	437.89 to 437.96	SE 33-30-15 W3M	12U 704025E 5721684N	0.05	0.24	--	--
SK-123	seasonal marsh (Class III)	441.75 to 442.00	SE 26-30-15 W3M	12U 707760E 5720437N	0.03	0.56	--	--
SK-124	seasonal marsh (Class III)	446.27 to 446.49	SW 20-30-14 W3M	13U 296341E 5718645N	0.19	0.69	--	--
		446.49 to 446.50	SW 20-30-14 W3M	13U 296435E 5718566N	--	<0.01		
SK-125	seasonal marsh (Class III)	447.01 to 447.04	SE 20-30-14 W3M	13U 296926E 5718370N	--	0.04	--	--
SK-126	seasonal marsh (Class III)	447.76 to 447.82	SW 21-30-14 W3M	13U 297632E 5718056N	--	0.04	--	--
SK-127	seasonal marsh (Class III)	448.33 to 448.36	NE 16-30-14 W3M	13U 298136E 5717832N	--	<0.01	--	--
		448.38 to 448.38	NE 16-30-14 W3M	13U 298157E 5717811N	--	<0.01		
SK-128	seasonal marsh (Class III)	448.75 to 448.88	NE 16-30-14 W3M	13U 298566E 5717659N	0.10	0.61	--	--
SK-129	seasonal marsh (Class III)	450.79 to 450.89	SE 15-30-14 W3M	13U 300424E 5716844N	0.04	0.22	--	--
		450.87 to 450.96	SE 15-30-14 W3M to SW 14-30-14 W3M	13U 300500E 5716839N	--	0.07		
SK-130	seasonal marsh (Class III)	453.02 to 453.04²	NW 12-30-14 W3M	13U 302476E 5716088N	--	0.01	--	--
SK-131	seasonal marsh (Class III)	453.62 to 453.69	NE 12-30-14 W3M	13U 303076E 5715888N	0.06	0.23	--	--
SK-132	seasonal marsh (Class III)	454.32 to 454.41	NW 7-30-13 W3M	13U 303729E 5715619N	0.08	0.39	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-133	seasonal marsh (Class III)	456.88 to 457.01	SW 8-30-13 W3M to SE 8-30-13 W3M	13U 306120E 5714661N	0.12	0.52	--	--
SK-134	seasonal marsh (Class III)	457.56 to 457.64	SE 8-30-13 W3M	13U 306712E 5714485N	0.07	0.30	--	--
SK-135	seasonal marsh (Class III)	459.89 to 459.93	SW 3-30-13 W3M	13U 308748E 5713468N	--	0.01	--	--
SK-136	seasonal marsh (Class III)	463.45 to 463.53	NW 36-29-13 W3M	13U 312001E 5711988N	0.04	0.18	--	--
SK-137	seasonal marsh (Class III)	464.98 to 465.04	SW 31-29-12 W3M	13U 313377E 5711332N	--	0.11	--	--
SK-138	seasonal marsh (Class III)	474.18 to 474.24	SW 24-29-12 W3M	13U 321742E 5707524N	0.03	0.06	--	--
SK-139	seasonal marsh (Class III)	474.32 to 474.38	SW 24-29-12 W3M	13U 321864E 5707446N	--	0.12	--	--
SK-140	seasonal marsh (Class III)	475.40 to 475.44	NE 13-29-12 W3M	13U 322869E 5707070N	0.03	0.05	--	--
SK-141	semi-permanent marsh (Class IV)	476.21 to 476.31	NW 18-29-11 W3M	13U 323643E 5706728N	--	0.15	--	--
		476.81 to 476.82³	SE 18-29-11 W3M	13U 324002E 5706418N	--	<0.01		
SK-142	seasonal marsh (Class III)	479.70 to 479.75	NW 9-29-11 W3M	13U 326458E 5705092N	--	0.09	--	--
SK-143	seasonal marsh (Class III)	481.66 to 481.74	NW 10-29-11 W3M	13U 328374E 5704716N	0.05	0.24	--	--
SK-144	seasonal marsh (Class III)	482.17 to 482.19	SE 10-29-11 W3M	13U 328810E 5704513N	--	0.02	--	--
SK-145	seasonal marsh (Class III)	486.48 to 486.66	SW 6-29-10 W3M	13U 332808E 5702717N	0.15	0.69	--	--
SK-146	seasonal marsh (Class III)	487.33 to 487.40	SE 6-29-10 W3M	13U 333528E 5702386N	0.05	0.13	--	--
SK-147	seasonal marsh (Class III)	488.26 to 488.32	NW 32-28-10 W3M	13U 334210E 5701964N	--	0.10	--	--
SK-148	seasonal marsh (Class III)	488.52 to 489.29	NW 32-28-10 W3M to NE 32-28-10 W3M	13U 334772E 5701774N	0.76	3.80	--	--
		489.36 to 489.42	NE 32-28-10 W3M	13U 335199E 5701562N	0.03	0.20		
SK-149	seasonal marsh (Class III)	490.11 to 490.25	NW 33-28-10 W3M to SW 33-28-10 W3M	13U 335906E 5701232N	0.12	0.57	--	--
SK-150	ephemeral/temporary marsh (Class I/Class II)	492.70 to 492.90	NE 27-28-10 W3M	13U 338287E 5700086N	0.11	0.62	seed mix	--
SK-151	seasonal marsh (Class III)	492.98 to 493.00	NE 27-28-10 W3M	13U 338444E 5699999N	--	0.06	seed mix	--
SK-152	ephemeral/temporary marsh (Class I/Class II)	494.62 to 494.67	SE 26-28-10 W3M	13U 339935E 5699282N	--	0.10	seed mix	--
SK-153	seasonal marsh (Class III)	495.32 to 495.35	SE 26-28-10 W3M to SW 25-28-10 W3M	13U 340572E 5699013N	<0.01	0.02	--	--
SK-154	seasonal marsh (Class III)	495.79 to 495.89	SW 25-28-10 W3M	13U 341025E 5698812N	0.09	0.44	seed mix	--
SK-155	semi-permanent marsh (Class IV) wetland complex	496.24 to 496.40	SE 25-28-10 W3M	13U 341476E 5698600N	--	0.24	wildlife concern⁶	Potential black tern nesting colony.⁶
		496.46 to 496.73	NE 24-28-10 W3M	13U 341729E 5698524N	0.24	0.78		
SK-156	seasonal marsh (Class III)	496.87 to 496.92	NE 24-28-10 W3M	13U 342000E 5698405N	0.04	0.15	--	--
SK-157	seasonal marsh (Class III)	498.07 to 498.10	NE 19-28-9 W3M	13U 343106E 5697959N	--	0.09	--	--
SK-158	semi-permanent marsh (Class IV)	498.33 to 498.37	NE 19-28-9 W3M	13U 343346E 5697856N	--	0.02	--	--
SK-159	seasonal marsh (Class III)	498.63 to 498.76	NE 19-28-9 W3M	13U 343679E 5697750N	0.12	0.40	--	--
SK-160	ephemeral/temporary marsh (Class I/Class II)	499.54 to 499.59	SW 20-28-9 W3M	13U 344486E 5697431N	0.05	0.21	seed mix	--
SK-161	ephemeral/temporary marsh (Class I/Class II)	500.08 to 500.12	SE 20-28-9 W3M	13U 344983E 5697233N	0.04	0.17	seed mix	--
SK-162	seasonal marsh (Class III)	500.79 to 500.88	SW 21-28-9 W3M	13U 345675E 5696968N	0.08	0.34	--	--
SK-163	seasonal marsh (Class III)	501.44 to 501.60	NE 16-28-9 W3M	13U 346305E 5696737N	0.10	0.33	--	--
SK-164	seasonal marsh (Class III)	501.69 to 501.76	NE 16-28-9 W3M	13U 346492E 5696619N	--	0.06	--	--
SK-165	ephemeral/temporary marsh (Class I/Class II)	501.99 to 502.02	NE 16-28-9 W3M	13U 346758E 5696542N	0.02	0.09	seed mix	--
SK-166	seasonal marsh (Class III)	502.60 to 502.62	NW 15-28-9 W3M	13U 347320E 5696314N	0.02	0.09	--	--
SK-167	semi-permanent marsh (Class IV)	502.68 to 502.79	NW 15-28-9 W3M	13U 347443E 5696277N	0.10	0.41	--	--
		502.70 to 502.71	NW 15-28-9 W3M	13U 347400E 5696256N	--	<0.01		
		502.79 to 502.79	NW 15-28-9 W3M	13U 347481E 5696232N	--	<0.01		
SK-168	seasonal marsh (Class III)	503.89 to 503.99	SE 15-28-9 W3M	13U 348553E 5695839N	0.08	0.38	--	--
SK-169	seasonal marsh (Class III)	504.05 to 504.19	SW 14-28-9 W3M	13U 348725E 5695765N	0.11	0.58	--	--
SK-170	semi-permanent marsh (Class IV)	504.41 to 504.58	SW 14-28-9 W3M	13U 349089E 5695622N	0.11	0.74	--	--
SK-171	seasonal marsh (Class III)	505.34 to 505.38	SE 14-28-9 W3M	13U 349873E 5695310N	--	0.05	--	--
		505.40 to 505.45	SE 14-28-9 W3M	13U 349939E 5695283N	--	0.05		
SK-172	seasonal marsh (Class III)	505.72 to 505.75	SE 14-28-9 W3M	13U 350238E 5695197N	0.01	0.02	--	--
SK-173	seasonal marsh (Class III)	505.94 to 505.98³	SW 13-28-9 W3M	13U 350433E 5695070N	--	0.04	--	--
SK-174	seasonal marsh (Class III)	506.82 to 506.91	NE 12-28-9 W3M	13U 351280E 5694775N	0.08	0.36	--	--
SK-175	semi-permanent marsh (Class IV)	507.75 to 508.02	NW 7-28-8 W3M	13U 352212E 5694408N	0.19	1.02	--	--
SK-176	seasonal marsh (Class III)	509.49 to 509.67	SW 8-28-8 W3M	13U 353795E 5693796N	0.13	0.51	--	--
SK-177	semi-permanent marsh (Class IV)	511.65 to 512.13	NW 4-28-8 W3M to NE 4-28-8 W3M	13U 355964E 5692944N	0.43	2.02	--	--
SK-178	seasonal marsh (Class III)	515.60 to 515.62	SE 2-28-8 W3M to NE 35-27-8 W3M	13U 359430E 5691607N	--	0.01	--	--
SK-179	seasonal marsh (Class III)	516.92 to 517.00	NW 36-27-8 W3M to NE 36-27-8 W3M	13U 360725E 5691222N	--	0.21	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-180	seasonal marsh (Class III)	520.59 to 520.70²	SE 32-27-7 W3M	13U 364148E 5690035N	--	0.17	watercourse⁵ and rare plant⁴ concerns	Associated with a potentially fish-bearing irrigation canal (SK-WC29).⁵ Rare plants observed in drainage associated with wetland (tall beggar's-ticks, <i>Bidens frondosa</i> ; and narrow-leaved water plantain, <i>Alisma gramineum</i> ).⁴
SK-181	seasonal marsh (Class III)	522.37 to 522.38	NW 28-27-7 W3M to NE 28-27-7 W3M	13U 365581E 5689073N	--	<0.01	--	--
SK-182	ephemeral/temporary marsh (Class I/Class II)	529.06 to 529.09	SW 18-27-6 W3M	13U 371260E 5685539N	--	0.05	seed mix	--
SK-183	semi-permanent marsh (Class IV)	529.97 to 530.02	SE 18-27-6 W3M	13U 372055E 5685067N	0.04	0.28	wildlife concern⁶	Associated with nonfish-bearing drainage (SK-WC40).⁵ Potential Canadian toad breeding waterbody. Potential plains spadefoot breeding waterbody. ⁶
SK-184	seasonal marsh (Class III)	530.16 to 530.18	SE 18-27-6 W3M	13U 372200E 5684972N	--	0.04	--	--
SK-185	seasonal marsh (Class III)	530.91 to 530.91	NW 8-27-6 W3M	13U 372816E 5684570N	--	<0.01	--	--
		530.91 to 530.97	NW 8-27-6 W3M	13U 372859E 5684579N	0.02	0.12		
SK-186	seasonal marsh (Class III)	532.82 to 532.86	SW 9-27-6 W3M	13U 374481E 5683587N	0.02	0.10	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to Lake Diefenbaker (SK-WC42).⁵
SK-187	seasonal marsh (Class III)	534.42 to 534.50	NE 4-27-6 W3M	13U 375836E 5682696N	0.06	0.31	--	--
SK-188	seasonal marsh (Class III) wetland complex	534.53 to 534.63	NE 4-27-6 W3M	13U 375916E 5682626N	--	0.31	--	--
SK-189	seasonal marsh (Class III)	534.65 to 534.67	NE 4-27-6 W3M	13U 376008E 5682609N	--	<0.01	--	--
SK-190	ephemeral/temporary marsh (Class I/Class II)	535.20 to 535.20²	NW 3-27-6 W3M	13U 376433E 5682262N	--	<0.01	seed mix	--
SK-191	ephemeral/temporary marsh (Class I/Class II)	535.81 to 535.83	SE 3-27-6 W3M	13U 376957E 5681938N	--	0.01	--	--
SK-192	ephemeral/temporary marsh (Class I/Class II)	536.31 to 536.35	SE 3-27-6 W3M	13U 377387E 5681656N	--	0.05	seed mix	--
SK-193	ephemeral/temporary marsh (Class I/Class II)	536.43 to 536.49	SE 3-27-6 W3M	13U 377509E 5681609N	0.04	0.10	seed mix	--
SK-194	ephemeral/temporary marsh (Class I/Class II)	536.62 to 536.66	SE 3-27-6 W3M to SW 2-27-6 W3M	13U 377633E 5681482N	--	0.07	seed mix	--
SK-195	shrubby swamp	538.36 to 538.37²	SE 35-26-6 W3M	13U 379026E 5680455N	--	<0.01	-	--
		538.37 to 538.39²	SE 35-26-6 W3M	13U 379033E 5680442N	--	<0.01		
SK-196	seasonal marsh (Class III)	538.43 to 538.48	SE 35-26-6 W3M	13U 379116E 5680427N	0.03	0.16	--	--
SK-197	seasonal marsh (Class III)	538.96 to 539.03	SE 35-26-6 W3M	13U 379541E 5680103N	--	0.10	--	--
SK-198	seasonal marsh (Class III)	539.62 to 539.70	NW 25-26-6 W3M	13U 380077E 5679711N	--	0.14	--	--
SK-199	seasonal marsh (Class III)	540.83 to 540.94	NE 25-26-6 W3M	13U 381066E 5678968N	--	0.19	--	--
SK-200	ephemeral/temporary marsh (Class I/Class II)	543.36 to 543.38	NW 20-26-5 W3M	13U 383101E 5677561N	--	<0.01	seed mix	--
SK-201	seasonal marsh (Class III)	543.81 to 543.90	NW 20-26-5 W3M	13U 383513E 5677295N	0.05	0.24	--	--
		544.24 to 544.27	SE 20-26-5 W3M	13U 383830E 5677057N	--	<0.01		
SK-202	seasonal marsh (Class III)	544.49 to 544.55	SE 20-26-5 W3M	13U 384068E 5676930N	0.05	0.14	--	--
SK-203	seasonal marsh (Class III) wetland complex	544.67 to 544.82	SE 20-26-5 W3M	13U 384242E 5676796N	0.14	0.65	--	--
SK-204	seasonal marsh (Class III)	545.55 to 545.57	NW 16-26-5 W3M	13U 384909E 5676317N	--	0.03	--	--
SK-205	seasonal marsh (Class III)	545.73 to 545.79	NW 16-26-5 W3M	13U 385072E 5676211N	0.03	0.22	--	--
SK-206	seasonal marsh (Class III)	546.99 to 547.06	SW 15-26-5 W3M	13U 386123E 5675497N	0.06	0.27	--	--
SK-207	seasonal marsh (Class III)	547.36 to 547.41	SW 15-26-5 W3M	13U 386421E 5675299N	0.04	0.10	--	--
SK-208	seasonal marsh (Class III)	547.80 to 547.84	SW 15-26-5 W3M to SE 15-26-5 W3M	13U 386771E 5675046N	0.03	0.13	--	--
SK-209	seasonal marsh (Class III)	548.09 to 548.13	SE 15-26-5 W3M	13U 387009E 5674881N	0.02	0.11	--	--
SK-210	seasonal marsh (Class III)	548.38 to 548.41	SE 15-26-5 W3M	13U 387250E 5674737N	0.02	0.04	--	--
SK-211	seasonal marsh (Class III)	548.75 to 548.79	NE 10-26-5 W3M	13U 387568E 5674519N	<0.01	0.03	--	--
SK-212	seasonal marsh (Class III)	549.42 to 549.45	NW 11-26-5 W3M	13U 388110E 5674145N	<0.01	0.03	--	--
SK-213	seasonal marsh (Class III)	549.91 to 549.97	SE 11-26-5 W3M	13U 388508E 5673835N	--	0.13	--	--
SK-214	seasonal marsh (Class III)	550.04 to 550.15	SE 11-26-5 W3M	13U 388638E 5673754N	0.08	0.42	--	--
SK-215	seasonal marsh (Class III)	550.38 to 550.42	SE 11-26-5 W3M	13U 388851E 5673535N	0.03	0.06	--	--
SK-216a	seasonal marsh (Class III)	551.09 to 551.11	NW 1-26-5 W3M to SW 12-26-5 W3M	13U 389211E 5673029N	0.02	0.01	--	--
SK-217	ephemeral/temporary marsh (Class I/Class II)	551.66 to 551.69	NW 1-26-5 W3M	13U 389781E 5672999N	--	0.01	seed mix	--
SK-218	seasonal marsh (Class III)	552.24 to 552.34	NE 1-26-5 W3M	13U 390279E 5672622N	0.05	0.28	--	--
SK-219	seasonal marsh (Class III)	552.37 to 552.45	NE 1-26-5 W3M	13U 390367E 5672564N	0.06	0.32	--	--
SK-220	seasonal marsh (Class III)	552.87 to 552.90³	NE 1-26-5 W3M	13U 390743E 5672267N	--	0.02	--	--
SK-221	seasonal marsh (Class III)	552.90 to 552.92	NE 1-26-5 W3M	13U 390795E 5672293N	--	0.01	seed mix	--
SK-222	seasonal marsh (Class III)	553.71 to 553.80	SW 6-26-4 W3M	13U 391473E 5671783N	0.09	0.36	--	--
SK-223	ephemeral/temporary marsh (Class I/Class II)	555.19 to 555.28	NW 32-25-4 W3M	13U 392680E 5670929N	0.09	0.28	seed mix	--
SK-224	seasonal marsh (Class III)	555.63 to 555.67	NW 32-25-4 W3M	13U 393007E 5670683N	--	0.04	--	--
SK-225	seasonal marsh (Class III)	556.45 to 556.51	SE 32-25-4 W3M	13U 393693E 5670219N	--	0.12	--	--
SK-226	shrubby swamp wetland complex	557.23 to 557.28	SW 33-25-4 W3M	13U 394341E 5669778N	--	0.07	--	--
SK-227	seasonal marsh (Class III)	557.80 to 557.86	NW 28-25-4 W3M to NE 28-25-4 W3M	13U 394825E 5669471N	0.03	0.18	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-228	seasonal marsh (Class III)	558.49 to 558.52	NE 28-25-4 W3M	13U 395372E 5669089N	--	0.07	--	--
SK-229	seasonal marsh (Class III)	559.91 to 559.93	SE 27-25-4 W3M	13U 396548E 5668297N	--	<0.01	--	--
SK-230	seasonal marsh (Class III)	561.48 to 561.65	NW 23-25-4 W3M	13U 397924E 5667396N	0.16	0.72	--	--
SK-231	seasonal marsh (Class III) wetland complex	563.19 to 563.41	SW 24-25-4 W3M	13U 399371E 5666422N	0.19	0.89	shrub staking	--
SK-232	seasonal marsh (Class III)	564.50 to 564.52	NE 13-25-4 W3M	13U 400353E 5665739N	--	0.08	seed mix	--
SK-233	seasonal marsh (Class III)	568.40 to 568.48	SE 8-25-3 W3M	13U 403608E 5663532N	0.07	0.24	seed mix	--
SK-234	ephemeral/temporary marsh (Class I/Class II)	573.00 to 573.04	NW 35-24-3 W3M	13U 407373E 5660926N	--	0.03	seed mix	--
		573.07 to 573.10	NW 35-24-3 W3M	13U 407422E 5660891N	--	0.02		
SK-235	ephemeral/temporary marsh (Class I/Class II)	573.49 to 573.64	NE 35-24-3 W3M	13U 407822E 5660629N	0.03	0.41	seed mix	--
SK-236	ephemeral/temporary marsh (Class I/Class II)	574.26 to 574.26	SE 35-24-3 W3M	13U 408438E 5660309N	--	<0.01	seed mix	--
SK-237	alkali marsh (Class VI)	574.39 to 574.57	SW 36-24-3 W3M	13U 408642E 5660188N	0.11	0.65	rare plant⁴	Rare plant observed (few-flowered aster <i>Almutaster pauciflorus</i> ).⁴
SK-238	ephemeral/temporary marsh (Class I/Class II)	580.38 to 580.42	SW 21-24-2 W3M	13U 413410E 5656731N	0.04	0.07	seed mix	--
SK-239	ephemeral/temporary marsh (Class I/Class II)	580.80 to 580.96	SW 21-24-2 W3M	13U 413798E 5656433N	0.09	0.46	seed mix	--
SK-240	ephemeral/temporary marsh (Class I/Class II)	581.33 to 581.42	NE 16-24-2 W3M	13U 414203E 5656160N	0.08	0.24	seed mix	--
SK-241	ephemeral/temporary marsh (Class I/Class II)	581.53 to 581.77	NE 16-24-2 W3M	13U 414458E 5655964N	0.13	0.51	seed mix	--
SK-242	seasonal marsh (Class III)	583.94 to 584.00	NE 10-24-2 W3M	13U 416313E 5654656N	0.05	0.11	seed mix	--
SK-243	seasonal marsh (Class III) wetland complex	584.26 to 584.36	NW 11-24-2 W3M	13U 416581E 5654440N	0.03	0.30	--	--
SK-244	seasonal marsh (Class III)	585.07 to 585.13	NW 11-24-2 W3M	13U 417236E 5654007N	--	0.05	--	--
SK-245	seasonal marsh (Class III)	586.65 to 586.69²	SW 12-24-2 W3M	13U 418483E 5653056N	--	0.02	--	--
SK-246	seasonal marsh (Class III)	587.02 to 587.08	NW 1-24-2 W3M	13U 418807E 5652864N	0.03	0.15	seed mix	--
SK-247	ephemeral/temporary marsh (Class I/Class II) wetland complex	588.22 to 588.45	SW 6-24-1 W3M	13U 419844E 5652116N	0.05	0.53	seed mix	--
		588.50 to 588.81	SW 6-24-1 W3M	13U 420135E 5651916N	0.13	0.83		
		588.90 to 589.04	SW 6-24-1 W3M	13U 420375E 5651752N	0.12	0.57		
		589.23 to 589.45	SE 6-24-1 W3M	13U 420668E 5651537N	0.05	0.40		
		589.49 to 589.62	SE 6-24-1 W3M to NE 31-23-1 W3M	13U 420844E 5651408N	0.07	0.48		
		589.85 to 589.89	NE 31-23-1 W3M	13U 421119E 5651250N	--	0.03		
		589.98 to 590.21	NE 31-23-1 W3M to NW 32-23-1 W3M	13U 421298E 5651096N	0.20	0.91		
SK-248	open water pond (Class V)	590.49 to 590.67	NW 32-23-1 W3M	13U 421699E 5650820N	0.15	0.57	--	--
SK-249	seasonal marsh (Class III)	591.01 to 591.15	SW 32-23-1 W3M	13U 422100E 5650532N	0.12	0.53	seed mix	--
		591.22 to 591.35	SE 32-23-1 W3M	13U 422261E 5650414N	0.08	0.40		
SK-250	semi-permanent marsh (Class IV)	591.95 to 592.08	SE 32-23-1 W3M	13U 422856E 5649997N	0.11	0.48	--	--
SK-251	seasonal marsh (Class III)	593.77 to 594.12	NE 28-23-1 W3M to SE 28-23-1 W3M	13U 424441E 5648873N	0.28	1.50	--	--
SK-252	seasonal marsh (Class III)	594.29 to 594.48	SW 27-23-1 W3M	13U 424763E 5648656N	0.09	0.37	seed mix	--
SK-253	seasonal marsh (Class III)	594.91 to 594.97	SW 27-23-1 W3M	13U 425259E 5648316N	0.03	0.07	seed mix	--
SK-254	seasonal marsh (Class III)	595.14 to 595.19	SE 27-23-1 W3M	13U 425444E 5648193N	--	0.01	seed mix	--
		595.24 to 595.35	SE 27-23-1 W3M to NE 22-23-1 W3M	13U 425537E 5648097N	0.10	0.51		
SK-255	broad-leaf treed swamp	595.43 to 595.47	NE 22-23-1 W3M	13U 425654E 5648006N	--	0.09	--	--
SK-256	ephemeral/temporary marsh (Class I/Class II)	595.64 to 595.91	NE 22-23-1 W3M	13U 425942E 5647812N	0.15	0.79	seed mix	--
SK-257	shrubby swamp wetland complex	596.03 to 596.15	NE 22-23-1 W3M to NW 23-23-1 W3M	13U 426188E 5647619N	0.01	0.33	--	--
SK-258	seasonal marsh (Class III)	596.71 to 596.81	NW 23-23-1 W3M to SW 23-23-1 W3M	13U 426736E 5647242N	--	0.22	--	--
SK-259	ephemeral/temporary marsh (Class I/Class II)	597.28 to 597.28	SE 23-23-1 W3M	13U 427171E 5646974N	--	<0.01	seed mix	--
SK-260	seasonal marsh (Class III)	597.66 to 597.70	SE 23-23-1 W3M	13U 427496E 5646743N	--	<0.01	--	--
SK-261	seasonal marsh (Class III)	598.01 to 598.20	SE 23-23-1 W3M to NW 13-23-1 W3M	13U 427810E 5646454N	--	0.27	--	--
SK-262	seasonal marsh (Class III) wetland complex	599.34 to 599.55	SE 13-23-1 W3M	13U 428787E 5645536N	<0.01	0.32	watercourse concern⁵	Associated with a fish-bearing watercourse (Iskwao Creek; SK-WC44).⁵
		599.48 to 599.52	SE 13-23-1 W3M	13U 428845E 5645530N	0.01	0.05		
		599.59 to 599.74	SE 13-23-1 W3M	13U 428941E 5645392N	0.13	0.77		
SK-263	seasonal marsh (Class III) wetland complex	599.94 to 600.07	SE 13-23-1 W3M	13U 429186E 5645144N	0.05	0.25	seed mix	--
SK-264	ephemeral/temporary marsh (Class I/Class II)	600.34 to 600.40	SE 13-23-1 W3M to SW 16-23-29 W2M	13U 429423E 5644875N	--	0.08	seed mix	--
SK-265	ephemeral/temporary marsh (Class I/Class II)	600.45 to 600.59	SW 16-23-29 W2M to NW 9-23-29 W2M	13U 429557E 5644793N	--	0.22	seed mix	--
SK-266	seasonal marsh (Class III) wetland complex	600.67 to 600.79	NW 9-23-29 W2M	13U 429742E 5644690N	0.09	0.46	--	--
SK-267	seasonal marsh (Class III) wetland complex	600.97 to 601.10	NW 9-23-29 W2M to NE 9-23-29 W2M	13U 429992E 5644529N	0.03	0.33	--	--
SK-268	seasonal marsh (Class III) wetland complex	601.21 to 601.39	NE 9-23-29 W2M	13U 430220E 5644393N	0.10	0.59	--	--
SK-269	ephemeral/temporary marsh (Class I/Class II) wetland complex	601.68 to 601.77	NE 9-23-29 W2M	13U 430575E 5644160N	--	0.15	--	--
		601.79 to 601.97	NE 9-23-29 W2M	13U 430712E 5644081N	0.01	0.49		
SK-270	ephemeral/temporary marsh (Class I/Class II) wetland complex	602.04 to 602.38	NW 10-23-29 W2M to SW 10-23-29 W2M	13U 430980E 5643915N	0.09	0.99	seed mix	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-271	seasonal marsh (Class III)	602.77 to 602.90	SW 10-23-29 W2M	13U 431519E 5643590N	0.11	0.48	--	--
SK-272	temporary marsh (Class II)	603.15 to 603.21	SE 10-23-29 W2M	13U 431821E 5643406N	0.06	0.22	seed mix rare plant concern⁴	Rare plants observed (moss gentian, <i>Gentiana fremontii</i> ; and Crawe's sedge, <i>Carex crawei</i> ).⁴
SK-273	ephemeral/temporary marsh (Class I/Class II)	603.49 to 603.51	SE 10-23-29 W2M	13U 432078E 5643222N	--	0.03	seed mix	--
SK-274a	seasonal marsh (Class III)	603.58 to 603.67	SE 10-23-29 W2M	13U 432185E 5643168N	0.08	0.39	--	--
SK-274b	ephemeral/temporary marsh (Class I/Class II)	603.90 to 603.90	NE 3-23-29 W2M	13U 432160E 5642893N	--	0.03	seed mix	--
SK-276	seasonal marsh (Class III)	604.21 to 604.29	NW 2-23-29 W2M	13U 432552E 5642894N	0.08	0.28	rare plant⁴	Rare plant observed (narrow-leaved water plantain, <i>Alisma gramineum</i> ).⁴
SK-277	temporary marsh (Class II)	604.69 to 604.79	NW 2-23-29 W2M	13U 432976E 5642684N	0.09	0.43	seed mix	--
SK-278	seasonal marsh (Class III)	605.31 to 605.44	NE 2-23-29 W2M	13U 433518E 5642344N	0.10	0.48	rare plant concern⁴	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴
SK-279	ephemeral/temporary marsh (Class I/Class II)	607.12 to 607.21	NW 35-22-29 W2M	13U 435016E 5641385N	--	0.23	seed mix	--
SK-280	seasonal marsh (Class III)	607.30 to 607.32²	NW 35-22-29 W2M	13U 435129E 5641290N	--	<0.01	--	--
SK-281	seasonal marsh (Class III)	607.53 to 607.62	NE 35-22-29 W2M	13U 435314E 5641116N	0.08	0.38	--	--
SK-282	ephemeral/temporary marsh (Class I/Class II)	608.19 to 608.42	NE 35-22-29 W2M to SE 35-22-29 W2M	13U 435795E 5640583N	--	0.42	seed mix	--
SK-283	ephemeral/temporary marsh (Class I/Class II)	608.93 to 608.93²	SW 36-22-29 W2M	13U 436351E 5640282N	--	<0.01	seed mix	--
SK-284	ephemeral/temporary marsh (Class I/Class II)	609.13 to 609.21	SW 36-22-29 W2M	13U 436593E 5640252N	0.08	0.32	seed mix	--
SK-285	seasonal marsh (Class III) wetland complex	609.39 to 609.60	SW 36-22-29 W2M to SE 36-22-29 W2M	13U 436868E 5640103N	0.14	0.94	watercourse⁵, rare plant⁴ and wildlife concerns⁶	Associated with a fish-bearing unnamed tributary to the Qu'Appelle River (SK-WC46).⁵ Rare plant observed (moss gentian, <i>Gentiana fremontii</i> ).⁴ Potential northern leopard frog breeding waterbody.⁶
SK-286a	ephemeral/temporary marsh (Class I/Class II)	610.15 to 610.22	NE 25-22-29 W2M	13U 437442E 5639707N	0.04	0.20	seed mix	--
SK-286b	seasonal marsh (Class III) wetland complex	610.33 to 610.37	NE 25-22-29 W2M	13U 437571E 5639613N	0.03	0.14	--	--
SK-287a	seasonal marsh (Class III) wetland complex	610.55 to 610.62	NW 30-22-28 W2M	13U 437749E 5639452N	--	0.03	seed mix	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴ Potential black tern nesting colony. ⁶
		610.66 to 610.93	NW 30-22-28 W2M	13U 437943E 5639347N	0.02	0.55	rare plant concern⁴ wildlife concerns⁶	
SK-287b	ephemeral/temporary marsh (Class I/Class II)	611.26 to 611.46	NW 30-22-28 W2M to SE 30-22-28 W2M	13U 438404E 5639035N	0.15	0.66	seed mix rare plant concern⁴	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴
SK-288a	seasonal marsh (Class III)	615.42 to 615.64	SE 21-22-28 W2M	13U 441814E 5636641N	0.08	0.83	rare plant concern⁴	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴
SK-288b	seasonal marsh (Class III)	616.22 to 616.34	NE 16-22-28 W2M	13U 442417E 5636222N	0.05	0.45	--	--
SK-289a	seasonal marsh (Class III)	621.47 to 621.55	SE 12-22-28 W2M	13U 446686E 5633392N	--	0.10	--	--
SK-289b	seasonal marsh (Class III)	621.91 to 621.96	NE 1-22-28 W2M	13U 447032E 5633159N	--	0.06	--	--
SK-290a	seasonal marsh (Class III)	622.69 to 622.75	NW 6-22-27 W2M	13U 447701E 5632749N	0.02	0.06	--	--
SK-290b	seasonal marsh (Class III)	624.27 to 624.27²	SW 5-22-27 W2M	13U 448962E 5631838N	--	<0.01	--	--
		624.29 to 624.32²	SW 5-22-27 W2M	13U 448990E 5631820N	--	<0.01		
SK-291a	seasonal marsh (Class III)	624.92 to 624.94	NW 32-21-27 W2M	13U 449517E 5631484N	--	<0.01	--	--
SK-291b	semi-permanent marsh (Class IV) wetland complex	625.23 to 625.42	NE 32-21-27 W2M	13U 449892E 5631321N	0.11	0.63	--	--
SK-292a	semi-permanent marsh (Class IV) wetland complex	625.71 to 625.82	NE 32-21-27 W2M	13U 450253E 5631107N	0.08	0.38	--	--
SK-292b	semi-permanent marsh (Class IV)	626.01 to 626.17	NE 32-21-27 W2M	13U 450501E 5630900N	0.11	0.65	--	--
SK-293a	seasonal marsh (Class III)	627.79 to 627.84	NE 28-21-27 W2M	13U 451702E 5629670N	0.04	0.20	watercourse concern⁵	Associated with a potentially fish-bearing unnamed tributary to the Qu'Appelle River (SK-WC47).⁵
SK-293b	ephemeral/temporary marsh (Class I/Class II)	629.28 to 629.40	SW 27-21-27 W2M	13U 452786E 5628592N	0.11	0.48	seed mix	--
SK-294a	seasonal marsh (Class III)	630.93 to 631.05	NW 23-21-27 W2M to SW 23-21-27 W2M	13U 453944E 5627443N	0.06	0.29	--	--
SK-294b	seasonal marsh (Class III)	631.29 to 631.37	SW 23-21-27 W2M	13U 454201E 5627200N	0.06	0.19	--	--
SK-295	seasonal marsh (Class III)	632.77 to 632.82²	NE 14-21-27 W2M	13U 455232E 5626159N	--	0.05	--	--
SK-296	ephemeral/temporary marsh (Class I/Class II)	634.88 to 634.94	NE 12-21-27 W2M	13U 456904E 5624862N	0.05	0.13	seed mix	--
SK-297	seasonal marsh (Class III)	635.29 to 635.47	NW 7-21-26 W2M	13U 457267E 5624560N	0.18	0.73	--	--
SK-298	ephemeral/temporary marsh (Class I/Class II)	635.64 to 635.69	NW 7-21-26 W2M	13U 457473E 5624372N	--	0.05	seed mix	--
SK-299	seasonal marsh (Class III)	635.74 to 635.82	NW 7-21-26 W2M	13U 457570E 5624309N	0.06	0.32	--	--
SK-300	seasonal marsh (Class III)	636.09 to 636.20	SW 7-21-26 W2M to SE 7-21-26 W2M	13U 457846E 5624078N	0.05	0.40	--	--
SK-301	seasonal marsh (Class III)	636.79 to 636.86	SE 7-21-26 W2M	13U 458398E 5623668N	--	0.05	--	--
SK-302	ephemeral/temporary marsh (Class I/Class II)	637.28 to 637.36	NW 5-21-26 W2M	13U 458764E 5623347N	0.06	0.29	seed mix	--
SK-303	ephemeral/temporary marsh (Class I/Class II)	637.64 to 637.69	NW 5-21-26 W2M	13U 459043E 5623138N	0.04	0.10	seed mix	--
SK-304	ephemeral/temporary marsh (Class I/Class II)	637.92 to 637.97	NW 5-21-26 W2M	13U 459241E 5622932N	--	0.08	seed mix	--
SK-305	ephemeral/temporary marsh (Class I/Class II)	638.09 to 638.13	NW 5-21-26 W2M	13U 459374E 5622842N	--	0.07	seed mix	--
SK-306	ephemeral/temporary marsh (Class I/Class II)	638.76 to 638.86	SE 5-21-26 W2M	13U 459930E 5622402N	0.07	0.33	seed mix	--
SK-307	seasonal marsh (Class III)	639.30 to 639.32	SW 4-21-26 W2M	13U 460329E 5622107N	--	<0.01	--	--
SK-308	seasonal marsh (Class III)	639.72 to 639.77²	SW 4-21-26 W2M	13U 460635E 5621798N	--	0.04	--	--
SK-309	seasonal marsh (Class III)	640.21 to 640.32	NW 33-20-26 W2M to NE 33-20-26 W2M	13U 461055E 5621495N	0.11	0.51	--	--



TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-310	seasonal marsh (Class III)	641.61 to 641.61	SW 34-20-26 W2M	13U 462088E 5620629N	--	<0.01	--	--
		641.62 to 641.77	SW 34-20-26 W2M	13U 462160E 5620582N	--	0.19		
SK-311	seasonal marsh (Class III)	643.08 to 643.32	NE 27-20-26 W2M	13U 463358E 5619650N	0.21	0.57	--	--
SK-312	seasonal marsh (Class III)	643.41 to 643.49	NW 26-20-26 W2M	13U 463544E 5619505N	0.06	0.12	--	--
SK-313	seasonal marsh (Class III)	643.50 to 643.56²	NW 26-20-26 W2M	13U 463569E 5619412N	--	0.04	--	--
SK-314	seasonal marsh (Class III)	643.66 to 643.70	NW 26-20-26 W2M	13U 463703E 5619341N	--	0.08	--	--
SK-315	seasonal marsh (Class III)	644.43 to 644.52	SW 26-20-26 W2M to SE 26-20-26 W2M	13U 464338E 5618864N	0.06	0.14	--	--
SK-316	seasonal marsh (Class III)	644.64 to 644.73	SE 26-20-26 W2M	13U 464480E 5618705N	--	0.19	--	--
SK-317	ephemeral/temporary marsh (Class I/Class II)	645.06 to 645.08²	NE 23-20-26 W2M	13U 464769E 5618442N	--	0.01	seed mix	--
SK-318	seasonal marsh (Class III)	645.11 to 645.16	NE 23-20-26 W2M	13U 464815E 5618412N	--	0.11	--	--
SK-319	seasonal marsh (Class III)	645.16 to 645.21	NE 23-20-26 W2M	13U 464882E 5618395N	0.02	0.15	--	--
SK-320	seasonal marsh (Class III)	645.58 to 645.67	NW 24-20-26 W2M	13U 465229E 5618116N	0.03	0.18	--	--
SK-321	seasonal marsh (Class III)	645.74 to 645.80	NW 24-20-26 W2M	13U 465339E 5618039N	0.05	0.19	--	--
SK-322	open water pond (Class V)	646.46 to 646.52	SW 24-20-26 W2M	13U 465911E 5617606N	0.02	0.06	--	--
SK-323	seasonal marsh (Class III)	646.97 to 647.10	SE 24-20-26 W2M	13U 466314E 5617283N	0.06	0.31	--	--
SK-324	seasonal marsh (Class III)	647.47 to 647.53	SE 24-20-26 W2M to SW 19-20-25 W2M	13U 466731E 5617015N	0.05	0.22	--	--
SK-325	seasonal marsh (Class III)	647.57 to 647.63	SW 19-20-25 W2M	13U 466822E 5616975N	0.05	0.09	--	--
SK-326	seasonal marsh (Class III)	647.90 to 647.99	NW 18-20-25 W2M	13U 467101E 5616763N	0.06	0.32	--	--
SK-327	seasonal marsh (Class III)	648.21 to 648.43	NW 18-20-25 W2M	13U 467382E 5616575N	0.16	0.58	--	--
		648.45 to 648.48	NW 18-20-25 W2M	13U 467555E 5616508N	--	0.02		
SK-328	seasonal marsh (Class III)	648.76 to 648.78²	NE 18-20-25 W2M	13U 467765E 5616276N	--	<0.01	--	--
SK-329	seasonal marsh (Class III)	648.81 to 648.86	NE 18-20-25 W2M	13U 467839E 5616274N	0.04	0.08	--	--
SK-330	semi-permanent marsh (Class IV)	649.11 to 649.20	NE 18-20-25 W2M to SE 18-20-25 W2M	13U 468085E 5616069N	--	0.27	--	--
SK-331	seasonal marsh (Class III)	649.29 to 649.40	SE 18-20-25 W2M	13U 468251E 5615967N	0.07	0.33	--	--
SK-332	semi-permanent marsh (Class IV)	649.92 to 650.00	SW 17-20-25 W2M	13U 468762E 5615628N	0.08	0.26	--	--
SK-333	semi-permanent marsh (Class IV)	650.19 to 650.44	SW 17-20-25 W2M	13U 469043E 5615404N	0.10	0.72	--	--
SK-334	seasonal marsh (Class III)	650.64 to 650.74	SE 17-20-25 W2M to NE 8-20-25 W2M	13U 469350E 5615219N	0.03	0.14	--	--
SK-335	seasonal marsh (Class III)	650.94 to 650.99	NE 8-20-25 W2M	13U 469596E 5615064N	0.03	0.06	--	--
SK-336	seasonal marsh (Class III)	651.39 to 651.48	NE 8-20-25 W2M to NW 9-20-25 W2M	13U 469975E 5614813N	0.07	0.16	seed mix	--
		651.47 to 651.48³	NW 9-20-25 W2M	13U 469994E 5614746N	--	<0.01		
SK-337	semi-permanent marsh (Class IV)	651.63 to 651.70	NW 9-20-25 W2M	13U 470173E 5614677N	--	0.14	--	--
SK-338	seasonal marsh (Class III)	651.96 to 652.04	NW 9-20-25 W2M	13U 470468E 5614519N	0.05	0.27	--	--
SK-339	ephemeral/temporary marsh (Class I/Class II)	652.27 to 652.41	SW 9-20-25 W2M to SE 9-20-25 W2M	13U 470773E 5614355N	0.11	0.47	seed mix	--
SK-340	seasonal marsh (Class III)	652.71 to 652.73	SE 9-20-25 W2M	13U 471089E 5614145N	--	0.01	--	--
SK-341	seasonal marsh (Class III)	652.72 to 652.78	SE 9-20-25 W2M	13U 471133E 5614161N	0.06	0.14	seed mix	--
SK-342	seasonal marsh (Class III)	653.01 to 653.04	SE 9-20-25 W2M	13U 471356E 5614000N	--	<0.01	--	--
SK-343	seasonal marsh (Class III)	653.15 to 653.20	SE 9-20-25 W2M	13U 471496E 5613951N	0.05	0.15	--	--
SK-344	seasonal marsh (Class III)	653.44 to 653.46	SW 10-20-25 W2M	13U 471741E 5613831N	--	<0.01	--	--
SK-345	seasonal marsh (Class III)	653.56 to 653.58	SW 10-20-25 W2M	13U 471835E 5613742N	--	0.04	--	--
SK-346	seasonal marsh (Class III)	653.64 to 653.71	SW 10-20-25 W2M	13U 471923E 5613684N	--	0.18	--	--
SK-347	seasonal marsh (Class III)	653.97 to 654.09	NW 3-20-25 W2M	13U 472235E 5613519N	0.06	0.38	--	--
SK-348	seasonal marsh (Class III)	654.50 to 654.53	NE 3-20-25 W2M	13U 472658E 5613286N	0.01	0.06	--	--
SK-349	seasonal marsh (Class III)	654.62 to 654.68	NE 3-20-25 W2M	13U 472781E 5613220N	0.06	0.17	--	--
SK-350	seasonal marsh (Class III)	654.82 to 654.87	NE 3-20-25 W2M	13U 472949E 5613132N	0.05	0.13	--	--
SK-351	seasonal marsh (Class III)	655.59 to 655.60²	SW 2-20-25 W2M	13U 473587E 5612727N	--	<0.01	--	--
SK-352	seasonal marsh (Class III)	655.85 to 655.94	SW 2-20-25 W2M	13U 473852E 5612589N	--	0.16	--	--
SK-353	seasonal marsh (Class III)	656.05 to 656.11	SW 2-20-25 W2M	13U 474021E 5612502N	--	0.15	--	--
SK-354	seasonal marsh (Class III)	656.22 to 656.26	SE 2-20-25 W2M	13U 474168E 5612449N	0.03	0.05	--	--
SK-355	seasonal marsh (Class III)	656.50 to 656.53	SE 2-20-25 W2M	13U 474390E 5612286N	--	<0.01	--	--
SK-356	seasonal marsh (Class III)	656.79 to 656.98	SE 2-20-25 W2M	13U 474739E 5612102N	0.08	0.63	--	--
SK-357	semi-permanent marsh (Class IV)	658.00 to 658.06	NW 36-19-25 W2M to NE 36-19-25 W2M	13U 475715E 5611551N	0.03	0.21	--	--
SK-358	seasonal marsh (Class III)	659.09 to 659.20	SW 31-19-24 W2M	13U 476691E 5611008N	0.06	0.30	--	--
		659.31 to 659.36	SW 31-19-24 W2M	13U 476859E 5610917N	0.04	0.17		
SK-359	seasonal marsh (Class III)	659.51 to 659.60	SW 31-19-24 W2M	13U 477036E 5610805N	--	0.22	--	--
SK-360	ephemeral/temporary marsh (Class I/Class II)	660.00 to 660.11	SE 31-19-24 W2M	13U 477474E 5610549N	--	0.39	seed mix	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-361	seasonal marsh (Class III)	660.98 to 661.07	NW 29-19-24 W2M	13U 478317E 5610080N	0.05	0.33	--	--
SK-362	seasonal marsh (Class III)	661.27 to 661.31²	NW 29-19-24 W2M	13U 478545E 5609929N	--	0.02	--	--
SK-363	ephemeral/temporary marsh (Class I/Class II)	661.80 to 661.88	NE 29-19-24 W2M	13U 479028E 5609682N	0.06	0.33	seed mix	--
SK-364	seasonal marsh (Class III)	662.19 to 662.24	SE 29-19-24 W2M	13U 479352E 5609477N	--	0.05	--	--
SK-365	seasonal marsh (Class III)	662.34 to 662.41	SE 29-19-24 W2M	13U 479496E 5609408N	--	0.20	--	--
SK-366	seasonal marsh (Class III)	662.47 to 662.50	SE 29-19-24 W2M	13U 479601E 5609375N	0.04	0.10	--	--
SK-367	seasonal marsh (Class III)	662.72 to 662.77	SW 28-19-24 W2M	13U 479811E 5609215N	--	0.08	shrub staking	--
SK-368	seasonal marsh (Class III)	663.77 to 663.85	SE 28-19-24 W2M to NE 21-19-24 W2M	13U 480742E 5608704N	0.05	0.38	--	--
SK-369	seasonal marsh (Class III)	664.17 to 664.21	NE 21-19-24 W2M	13U 481073E 5608535N	0.02	0.12	--	--
SK-370	seasonal marsh (Class III)	664.28 to 664.32	NE 21-19-24 W2M	13U 481172E 5608466N	--	0.07	--	--
SK-371	seasonal marsh (Class III)	664.59 to 664.62	NW 22-19-24 W2M	13U 481445E 5608336N	0.03	0.06	--	--
SK-372	seasonal marsh (Class III)	665.99 to 666.00	SE 22-19-24 W2M	13U 482656E 5607641N	0.01	0.02	--	--
SK-374	seasonal marsh (Class III)	667.68 to 667.72	NE 14-19-24 W2M	13U 484112E 5606780N	--	0.07	--	--
SK-375	seasonal marsh (Class III)	669.41 to 669.46	SE 13-19-24 W2M	13U 485623E 5605953N	0.03	0.17	--	--
		669.49 to 669.54	SE 13-19-24 W2M	13U 485709E 5605909N	0.02	0.13		
SK-376	seasonal marsh (Class III)	669.63 to 669.69	SE 13-19-24 W2M	13U 485826E 5605832N	0.03	0.21	--	--
SK-377	shrubby swamp	669.94 to 669.96	SE 13-19-24 W2M	13U 486073E 5605678N	--	<0.01	--	--
		669.96 to 669.97	SE 13-19-24 W2M	13U 486074E 5605655N	--	0.01		
SK-378	seasonal marsh (Class III)	670.28 to 670.30²	SW 18-19-23 W2M	13U 486349E 5605486N	--	<0.01	--	--
		670.32 to 670.34²	SW 18-19-23 W2M	13U 486387E 5605468N	--	0.01		
		670.46 to 670.49²	SW 18-19-23 W2M to NW 7-19-23 W2M	13U 486515E 5605402N	--	0.03		
SK-379	seasonal marsh (Class III)	670.59 to 670.63²	NW 7-19-23 W2M	13U 486639E 5605354N	--	0.03	--	--
SK-380	ephemeral/temporary marsh (Class I/Class II)	671.90 to 671.94	SE 7-19-23 W2M	13U 487683E 5604602N	--	0.01	seed mix	--
SK-381	ephemeral/temporary marsh (Class I/Class II)	672.56 to 672.62	SW 8-19-23 W2M	13U 488236E 5604223N	0.04	0.16	seed mix	--
SK-382	seasonal marsh (Class III)	673.25 to 673.36	SE 8-19-23 W2M to NE 5-19-23 W2M	13U 488821E 5603832N	0.04	0.25	--	--
		673.33 to 673.37	NE 5-19-23 W2M	13U 488887E 5603822N	--	0.01		
SK-383	ephemeral/temporary marsh (Class I/Class II)	674.87 to 674.92	SW 4-19-23 W2M	13U 490099E 5603022N	0.05	0.10	seed mix	--
SK-384	ephemeral/temporary marsh (Class I/Class II)	675.09 to 675.26	SW 4-19-23 W2M to SE 4-19-23 W2M	13U 490337E 5602855N	0.11	0.72	seed mix	--
SK-385	seasonal marsh (Class III)	676.00 to 676.11	SE 4-19-23 W2M	13U 491064E 5602379N	0.09	0.52	--	--
SK-386	seasonal marsh (Class III) wetland complex	676.25 to 676.35²	SW 3-19-23 W2M	13U 491249E 5602226N	--	0.15	--	--
SK-387	broad-leaf treed swamp	677.91 to 677.92	NE 33-18-23 W2M	13U 492618E 5601349N	--	<0.01	--	--
		677.93 to 677.96	NE 33-18-23 W2M to SE 33-18-23 W2M	13U 492648E 5601340N	--	<0.01		
SK-388	ephemeral/temporary marsh (Class I/Class II)	678.62 to 678.77	SW 34-18-23 W2M	13U 493287E 5600956N	0.14	0.53	seed mix	--
SK-389	ephemeral/temporary marsh (Class I/Class II)	679.06 to 679.22	SW 34-18-23 W2M	13U 493660E 5600712N	0.15	0.66	seed mix	--
SK-390	seasonal marsh (Class III)	679.66 to 679.76	NE 27-18-23 W2M	13U 494143E 5600396N	0.05	0.22	--	--
SK-391	shrubby swamp	679.73 to 679.74	NE 27-18-23 W2M	13U 494472E 5600876N	--	0.01	--	Wetland is crossed exclusively by an access road/shoo-fly. <sup>3</sup>
SK-392	seasonal marsh (Class III)	680.14 to 680.15²	NE 27-18-23 W2M	13U 494475E 5600134N	--	<0.01	--	--
SK-393	seasonal marsh (Class III)	680.95 to 681.03	SW 26-18-23 W2M	13U 495210E 5599710N	0.05	0.22	--	--
SK-394	seasonal marsh (Class III)	681.69 to 681.78	SE 26-18-23 W2M	13U 495840E 5599292N	0.03	0.21	--	--
SK-395	seasonal marsh (Class III)	683.56 to 683.79	NE 24-18-23 W2M	13U 497457E 5598253N	0.23	1.04	--	--
SK-396	seasonal marsh (Class III)	684.09 to 684.14	SE 24-18-23 W2M to SW 19-18-22 W2M	13U 497817E 5597998N	0.03	0.17	--	--
SK-397	ephemeral/temporary marsh (Class I/Class II)	685.43 to 685.63	NW 18-18-22 W2M	13U 498346E 5596775N	0.19	0.84	seed mix	--
SK-398	seasonal marsh (Class III)	686.13 to 686.21	SW 18-18-22 W2M	13U 498493E 5596150N	0.06	0.27	--	--
		686.31 to 686.34	SW 18-18-22 W2M	13U 498498E 5595989N	--	0.04		
SK-399	seasonal marsh (Class III)	687.52 to 687.75	NE 7-18-22 W2M to NW 8-18-22 W2M	13U 499457E 5595183N	0.06	0.58	--	--
SK-400	ephemeral/temporary marsh (Class I/Class II)	695.63 to 695.67	NE 26-17-22 W2M	13U 505565E 5590054N	--	0.03	seed mix	--
SK-401	ephemeral/temporary marsh (Class I/Class II)	695.72 to 695.72	NE 26-17-22 W2M to SE 26-17-22 W2M	13U 505645E 5590054N	--	<0.01	seed mix	--
SK-402	ephemeral/temporary marsh (Class I/Class II)	695.82 to 695.85	SE 26-17-22 W2M	13U 505737E 5589969N	0.01	0.12	seed mix	--
SK-403	seasonal marsh (Class III)	696.73 to 696.86	SW 25-17-22 W2M	13U 506611E 5589597N	0.03	0.48	watercourse concern <sup>5</sup>	Associated with a fish-bearing watercourse (Cottonwood Creek; SK-WC52). <sup>5</sup>
		696.75 to 696.76³	SW 25-17-22 W2M	13U 506568E 5589581N	--	<0.01		
SK-404	seasonal marsh (Class III)	700.32 to 700.38	SW 20-17-21 W2M	13U 509775E 5588060N	0.02	0.12	watercourse concern <sup>5</sup>	Associated with a fish-bearing unnamed drainage to Cottonwood Creek (SC-WC53). <sup>5</sup>
SK-405	seasonal marsh (Class III)	701.65 to 701.73	NE 17-17-21 W2M	13U 510683E 5587087N	0.09	0.30	--	--
SK-406	seasonal marsh (Class III)	702.35 to 702.47	SW 16-17-21 W2M	13U 511188E 5586574N	0.03	0.33	--	--
SK-407	seasonal marsh (Class III)	703.40 to 703.44	NE 9-17-21 W2M	13U 511852E 5585833N	0.02	0.12	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-408	ephemeral/temporary marsh (Class I/Class II)	704.05 to 704.11	NE 9-17-21 W2M	13U 512429E 5585518N	--	0.10	seed mix	--
SK-409	seasonal marsh (Class III)	706.64 to 706.67	NW 2-17-21 W2M	13U 514716E 5584335N	--	<0.01	--	--
SK-410	seasonal marsh (Class III)	707.37 to 707.47	NE 2-17-21 W2M	13U 515416E 5583987N	0.05	0.25	--	--
SK-411	ephemeral/temporary marsh (Class I/Class II)	707.69 to 707.73	NE 2-17-21 W2M	13U 515650E 5583843N	0.03	0.13	seed mix	--
SK-412	seasonal marsh (Class III)	707.90 to 707.98	NW 1-17-21 W2M	13U 515872E 5583764N	0.07	0.17	--	--
SK-413	seasonal marsh (Class III)	708.00 to 708.26	NW 1-17-21 W2M to SW 33-16-20 W2M	13U 515853E 5583506N	--	0.30	--	Wetland is encountered exclusively by a laydown area. <sup>3</sup>
SK-414	ephemeral/temporary marsh (Class I/Class II)	713.84 to 713.96	SE 32-16-20 W2M to SW 33-16-20 W2M	13U 520692E 5581323N	0.03	0.39	seed mix	--
SK-415	semi-permanent marsh (Class IV)	715.48 to 715.58	SE 33-16-20 W2M to SW 34-16-20 W2M	13U 522322E 5581361N	0.11	0.56	--	--
		715.70 to 715.77	SW 34-16-20 W2M	13U 522518E 5581323N	0.06	0.24		
SK-416	seasonal marsh (Class III)	715.94 to 715.94	SW 34-16-20 W2M	13U 522728E 5581327N	--	<0.01	--	--
		715.94 to 716.03	SW 34-16-20 W2M	13U 522778E 5581308N	0.05	0.23		
SK-417	seasonal marsh (Class III)	716.41 to 716.46	SE 34-16-20 W2M	13U 523217E 5581300N	0.04	0.22	--	--
SK-418	open water pond (Class V)	717.17 to 717.57	SW 35-16-20 W2M	13U 524151E 5581282N	0.37	1.73	potentially navigable wetland <sup>7</sup>	Wetland is identified as potentially navigable.
		717.60 to 719.30	SW 35-16-20 W2M to SW 36-16-20 W2M	13U 525246E 5581266N	1.65	7.76		
SK-419	open water pond (Class V)	720.56 to 720.60	SW 31-16-19 W2M	13U 527356E 5581267N	--	<0.01	--	--
		720.61 to 721.40	SW 31-16-19 W2M to SE 31-16-19 W2M	13U 527792E 5581248N	0.73	3.27		
SK-420	seasonal marsh (Class III)	726.11 to 726.33	SE 34-16-19 W2M	13U 532975E 5581339N	0.19	1.05	watercourse concern <sup>5</sup>	Associated with a potentially fish-bearing unnamed drainage (SK-WC58). <sup>5</sup>
SK-421	semi-permanent marsh (Class IV) wetland complex	727.60 to 727.85	NW 35-16-19 W2M	13U 534193E 5582143N	0.23	0.99	--	--
		728.10 to 728.19	NE 35-16-19 W2M	13U 534597E 5582163N	0.08	0.35		
		728.29 to 728.30	NE 35-16-19 W2M	13U 534753E 5582151N	--	<0.01		
		728.31 to 728.34	NE 35-16-19 W2M	13U 534785E 5582174N	0.02	0.09		
		728.45 to 728.52	NE 35-16-19 W2M	13U 534948E 5582183N	0.02	0.12		
		728.63 to 728.69	NE 35-16-19 W2M	13U 535119E 5582173N	--	0.02		
SK-422	ephemeral/temporary marsh (Class I/Class II) wetland complex	730.13 to 730.46	NE 36-16-19 W2M	13U 536751E 5582264N	0.29	1.79	seed mix watercourse concern <sup>5</sup>	Associated with a fish-bearing watercourse (Wascana Creek; SK-WC59). <sup>5</sup>
		730.47 to 730.48	NE 36-16-19 W2M to NW 31-16-18 W2M	13U 536933E 5582265N	--	<0.01		
		730.48 to 730.50	NW 31-16-18 W2M	13U 536945E 5582258N	--	0.02		
SK-423	seasonal marsh (Class III) wetland complex	734.86 to 734.89	NE 33-16-18 W2M	13U 541263E 5582505N	--	<0.01	watercourse concern <sup>5</sup>	Associated with a fish-bearing unnamed tributary to Wascana Creek (SK-WC60). <sup>5</sup>
		735.41 to 735.44	NE 33-16-18 W2M	13U 541667E 5582236N	0.03	0.19		
SK-424	ephemeral/temporary marsh (Class I/Class II)	735.55 to 735.66	SE 33-16-18 W2M	13U 541760E 5582090N	0.09	0.27	seed mix	--
SK-425	ephemeral/temporary marsh (Class I/Class II)	740.66 to 740.71	SW 31-16-17 W2M	13U 546792E 5581824N	--	0.05	seed mix	--
SK-426	ephemeral/temporary marsh (Class I/Class II)	743.48 to 743.72	SE 32-16-17 W2M	13U 549710E 5581460N	0.11	0.74	--	--
SK-427	seasonal marsh (Class III) wetland complex	745.54 to 745.61	NE 28-16-17 W2M to NW 27-16-17 W2M	13U 551626E 5581196N	0.03	0.27	watercourse concern <sup>5</sup>	Associated with a fish-bearing unnamed tributary to Wascana Creek (SK-WC62). <sup>5</sup>
		745.63 to 745.67	NW 27-16-17 W2M	13U 551707E 5581193N	0.03	0.21		
SK-428	ephemeral/temporary marsh (Class I/Class II)	745.83 to 745.94	NW 27-16-17 W2M	13U 551948E 5581147N	--	0.20	--	--
SK-429	ephemeral/temporary marsh (Class I/Class II)	746.64 to 746.86	NE 27-16-17 W2M	13U 552800E 5581058N	0.21	0.92	seed mix	--
SK-430	ephemeral/temporary marsh (Class I/Class II)	747.11 to 747.31	NE 27-16-17 W2M to NW 26-16-17 W2M	13U 553247E 5580994N	0.18	0.89	seed mix	--
SK-431	ephemeral/temporary marsh (Class I/Class II)	747.60 to 747.69	NW 26-16-17 W2M	13U 553670E 5580937N	0.05	0.27	seed mix	--
SK-432	ephemeral/temporary marsh (Class I/Class II)	749.03 to 749.14	NW 25-16-17 W2M	13U 555090E 5580745N	0.03	0.22	seed mix	--
SK-433	ephemeral/temporary marsh (Class I/Class II)	749.47 to 749.68	NW 25-16-17 W2M	13U 555591E 5580680N	0.17	0.87	seed mix	--
SK-434	seasonal marsh (Class III)	755.68 to 755.71	NW 22-16-16 W2M	13U 561532E 5579758N	0.02	0.03	--	--
SK-435	seasonal marsh (Class III) wetland complex	757.05 to 757.10	NE 22-16-16 W2M	13U 562904E 5579742N	0.03	0.18	watercourse concern <sup>5</sup>	Associated with a fish-bearing watercourse (Manybone Creek; SK-WC64). <sup>5</sup>
SK-436	seasonal marsh (Class III)	758.89 to 759.09	NW 24-16-16 W2M	13U 564776E 5579681N	0.02	0.19	--	--
		759.23 to 759.28	NW 24-16-16 W2M	13U 565078E 5579641N	0.01	0.07		
SK-437	seasonal marsh (Class III)	761.19 to 761.32	NW 19-16-15 W2M to NE 19-16-15 W2M	13U 567036E 5579258N	0.10	0.45	--	--
SK-438	seasonal marsh (Class III)	761.48 to 761.49	NE 19-16-15 W2M	13U 567272E 5579212N	--	<0.01	--	--
SK-439	seasonal marsh (Class III)	763.03 to 763.08	SW 20-16-15 W2M	13U 568502E 5578516N	--	0.11	--	--
SK-440	ephemeral/temporary marsh (Class I/Class II)	764.05 to 764.08	NE 17-16-15 W2M	13U 569385E 5578038N	--	0.04	--	--
SK-441	broad-leaf treed swamp wetland complex	764.96 to 765.06	NW 16-16-15 W2M	13U 570292E 5578034N	0.03	0.25	--	--
SK-442	seasonal marsh (Class III)	765.84 to 766.07	NE 16-16-15 W2M to NW 15-16-15 W2M	13U 571170E 5577745N	0.19	0.95	--	--
SK-443	seasonal marsh (Class III)	766.28 to 766.36	NW 15-16-15 W2M	13U 571500E 5577596N	0.05	0.24	--	--
SK-444	seasonal marsh (Class III) wetland complex	766.77 to 767.08	SW 15-16-15 W2M to SE 15-16-15 W2M	13U 572065E 5577342N	0.26	0.91	--	--
SK-445	seasonal marsh (Class III)	767.46 to 767.47	SE 15-16-15 W2M	13U 572543E 5577139N	--	<0.01	--	--
		767.48 to 767.53	SE 15-16-15 W2M	13U 572579E 5577118N	--	0.04		
SK-446	seasonal marsh (Class III)	767.82 to 767.95	SW 14-16-15 W2M	13U 572899E 5576943N	0.10	0.46	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-447	shrubby swamp wetland complex	768.20 to 768.25	SW 14-16-15 W2M	13U 573207E 5576766N	--	0.11	--	--
SK-448	shrubby swamp wetland complex	768.30 to 768.35	NW 11-16-15 W2M	13U 573302E 5576741N	0.02	0.15	--	--
		768.31 to 768.31	NW 11-16-15 W2M	13U 573279E 5576733N	--	<0.01		
		768.31 to 768.31	NW 11-16-15 W2M	13U 573279E 5576733N	--	<0.01		
		768.31 to 768.31	NW 11-16-15 W2M	13U 573279E 5576733N	--	<0.01		
SK-449	seasonal marsh (Class III) wetland complex	768.51 to 768.57	NW 11-16-15 W2M	13U 573478E 5576621N	--	0.09	--	--
SK-450	seasonal marsh (Class III) wetland complex	768.99 to 769.34	NE 11-16-15 W2M	13U 574024E 5576300N	0.35	1.36	--	--
SK-451	ephemeral/temporary marsh (Class I/Class II)	769.63 to 769.66	NE 11-16-15 W2M to NW 12-16-15 W2M	13U 574411E 5576025N	--	0.03	seed mix	--
SK-452	seasonal marsh (Class III)	769.85 to 769.95	SW 12-16-15 W2M	13U 574637E 5575930N	--	0.28	shrub staking	--
SK-453	semi-permanent marsh (Class IV) wetland complex	770.34 to 770.42	SW 12-16-15 W2M	13U 575095E 5575740N	0.06	0.23	wildlife concern⁶	Potential black tern nesting colony. ⁶
SK-454	seasonal marsh (Class III)	770.78 to 770.85	SE 12-16-15 W2M	13U 575477E 5575555N	0.02	0.15	--	--
SK-455	seasonal marsh (Class III)	770.87 to 771.07	SE 12-16-15 W2M	13U 575615E 5575507N	0.14	0.43	--	--
SK-456	ephemeral/temporary marsh (Class I/Class II)	771.30 to 771.35	SE 12-16-15 W2M	13U 575945E 5575339N	--	0.12	seed mix	--
SK-457	seasonal marsh (Class III)	771.42 to 771.47	SE 12-16-15 W2M	13U 576043E 5575276N	--	0.10	--	--
		771.47 to 771.51	SE 12-16-15 W2M to SW 7-16-14 W2M	13U 576099E 5575264N	0.01	0.10		
SK-458	temporary marsh (Class II)	771.59 to 771.66	SW 7-16-14 W2M	13U 576215E 5575213N	--	0.13	seed mix	--
SK-459	temporary marsh (Class II)	773.08 to 773.12	NE 6-16-14 W2M	13U 577611E 5574739N	--	0.09	seed mix	--
SK-460	seasonal marsh (Class III)	773.15 to 773.20	NE 6-16-14 W2M	13U 577691E 5574736N	0.02	0.05	--	--
SK-461	ephemeral/temporary marsh (Class I/Class II)	773.61 to 773.65	NW 5-16-14 W2M	13U 578108E 5574541N	0.02	0.05	seed mix	--
SK-462	seasonal marsh (Class III) wetland complex	774.39 to 774.58	SE 5-16-14 W2M	13U 578877E 5574140N	0.05	0.36	--	--
SK-463	seasonal marsh (Class III) wetland complex	775.02 to 775.04	SE 5-16-14 W2M to SW 4-16-14 W2M	13U 579378E 5573951N	0.01	0.03	--	--
		775.29 to 775.42	SW 4-16-14 W2M	13U 579653E 5573799N	0.04	0.36		
SK-464	seasonal marsh (Class III)	775.79 to 775.80	NW 33-15-14 W2M	13U 580066E 5573633N	<0.01	0.01	--	--
SK-465	open water pond (Class V)	775.94 to 776.35	NW 33-15-14 W2M to NE 33-15-14 W2M	13U 580384E 5573465N	0.30	1.33	potentially navigable wetland⁷	Wetland is identified as potentially navigable.
		776.28 to 776.31	NE 33-15-14 W2M	13U 580500E 5573370N	--	<0.01		
SK-466	seasonal marsh (Class III)	777.30 to 777.35	NW 34-15-14 W2M	13U 581441E 5572960N	--	0.10	--	--
SK-467	seasonal marsh (Class III)	777.53 to 777.55²	NW 34-15-14 W2M	13U 581629E 5572854N	--	<0.01	seed mix	--
SK-468	seasonal marsh (Class III)	778.79 to 778.82	SE 34-15-14 W2M	13U 582634E 5572252N	--	0.18	--	--
SK-469	seasonal marsh (Class III)	780.69 to 780.78	NW 25-15-14 W2M	13U 584409E 5571540N	--	0.10	--	--
SK-470	ephemeral/temporary marsh (Class I/Class II)	781.65 to 781.67	SE 25-15-14 W2M	13U 585180E 5571020N	--	0.02	--	--
SK-471	seasonal marsh (Class III)	781.90 to 781.95	SE 25-15-14 W2M	13U 585392E 5570870N	0.03	0.14	--	--
SK-472	seasonal marsh (Class III) wetland complex	782.55 to 782.74	SE 25-15-14 W2M to NW 19-15-13 W2M	13U 585982E 5570452N	0.17	0.86	--	--
		782.81 to 782.91	NW 19-15-13 W2M	13U 586191E 5570385N	<0.01	0.09		
		782.94 to 783.10	NW 19-15-13 W2M	13U 586314E 5570302N	0.08	0.46		
		783.18 to 783.27	NW 19-15-13 W2M	13U 586521E 5570208N	0.04	0.23		
SK-473	seasonal marsh (Class III)	783.48 to 783.56	NW 19-15-13 W2M to NE 19-15-13 W2M	13U 586770E 5570080N	--	0.12	--	--
SK-474	semi-permanent marsh (Class IV)	784.08 to 784.33	NE 19-15-13 W2M	13U 587449E 5569922N	0.22	1.02	--	--
SK-475	semi-permanent marsh (Class IV)	784.43 to 784.77	NW 20-15-13 W2M	13U 587846E 5569803N	0.27	1.21	wildlife concern⁶	Potential American bittern nesting waterbody.⁶
SK-476	seasonal marsh (Class III)	784.95 to 785.03	SW 20-15-13 W2M	13U 588180E 5569681N	--	0.10	wildlife concern⁶	Potential black tern nesting colony. ⁶
		785.10 to 785.27	SW 20-15-13 W2M to SE 20-15-13 W2M	13U 588390E 5569618N	0.04	0.23		
SK-477	seasonal marsh (Class III) wetland complex	785.86 to 786.12	SE 20-15-13 W2M	13U 589133E 5569362N	0.22	1.28	--	--
SK-478	seasonal marsh (Class III)	786.25 to 786.43	SW 21-15-13 W2M	13U 589450E 5569232N	0.12	0.68	--	--
SK-479	temporary marsh (Class II)	786.46 to 786.53	SW 21-15-13 W2M	13U 589601E 5569165N	0.05	0.19	seed mix	--
SK-480	semi-permanent marsh (Class IV) wetland complex	786.66 to 786.81	SW 21-15-13 W2M	13U 589814E 5569073N	0.07	0.33	--	Associated with nonfish-bearing drainage (SK-WC67).⁵
		790.34 to 790.51	SW 14-15-13 W2M	13U 593284E 5567824N	0.06	0.43		
SK-481	seasonal marsh (Class III)	787.60 to 787.67	NE 16-15-13 W2M	13U 590619E 5568698N	0.02	0.13	--	--
SK-482	seasonal marsh (Class III)	787.83 to 787.90	NE 16-15-13 W2M	13U 590853E 5568618N	--	0.05	--	--
SK-483	seasonal marsh (Class III)	788.79 to 788.90	NW 15-15-13 W2M to NE 15-15-13 W2M	13U 591767E 5568291N	--	0.15	--	--
SK-484	temporary marsh (Class II)	788.89 to 788.95	NE 15-15-13 W2M	13U 591850E 5568294N	0.05	0.11	seed mix	--
SK-485	seasonal marsh (Class III)	788.99 to 789.04	NE 15-15-13 W2M	13U 591935E 5568241N	--	0.06	seed mix	--
SK-486	seasonal marsh (Class III) wetland complex	789.16 to 789.29	NE 15-15-13 W2M to SE 15-15-13 W2M	13U 592118E 5568194N	0.05	0.27	seed mix wildlife concern⁶	Potential black tern nesting colony.⁶
		789.46 to 789.47	SE 15-15-13 W2M	13U 592365E 5568100N	--	<0.01		
		789.49 to 789.52	SE 15-15-13 W2M	13U 592406E 5568096N	--	0.07		
		789.54 to 789.73	SE 15-15-13 W2M to SW 14-15-13 W2M	13U 592527E 5568047N	--	0.46		
SK-487	seasonal marsh (Class III) wetland complex	789.35 to 789.37	SE 15-15-13 W2M	13U 592276E 5568173N	--	<0.01	seed mix	--
		789.45 to 789.48	SE 15-15-13 W2M	13U 592372E 5568132N	0.03	0.06		

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-488	seasonal marsh (Class III) wetland complex	790.05 to 790.15	SW 14-15-13 W2M	13U 592972E 5567928N	0.09	0.40	--	--
SK-489	open water pond (Class V) wetland complex	792.43 to 792.52	NE 12-15-13 W2M	13U 595218E 5567309N	0.05	0.22	watercourse⁵ and wildlife⁶ concerns	Associated with a fish-bearing watercourse (Chapleau Lakes; SK-WC68), a fish-bearing unnamed drainage to Chapleau Lakes (SK-WC69) and a nonfish-bearing drainage (SK-WC96).⁵ Potential black tern nesting colony. Potential American bittern nesting waterbody.⁶
		798.63 to 798.91	SW 10-15-12 W2M to SE 10-15-12 W2M	13U 601483E 5566672N	0.14	0.99		
		798.96 to 799.03	SE 10-15-12 W2M	13U 601694E 5566639N	--	0.11		
		799.24 to 799.26	SE 10-15-12 W2M	13U 601927E 5566590N	--	<0.01		
		799.28 to 799.31	SE 10-15-12 W2M	13U 601965E 5566565N	--	0.02		
		799.32 to 799.35	SE 10-15-12 W2M	13U 601998E 5566542N	--	0.01		
		799.45 to 799.47	SE 10-15-12 W2M	13U 602095E 5566468N	--	0.01		
		799.47 to 799.51	SE 10-15-12 W2M	13U 602129E 5566453N	--	0.03		
		799.56 to 799.87	SE 10-15-12 W2M to SW 11-15-12 W2M	13U 602316E 5566330N	<0.01	0.46		
		799.90 to 799.94	SW 11-15-12 W2M	13U 602480E 5566202N	--	0.04		
		800.05 to 800.15	SW 11-15-12 W2M	13U 602654E 5566160N	0.06	0.35		
		800.32 to 800.70	SW 11-15-12 W2M to SE 11-15-12 W2M	13U 603060E 5566098N	0.37	2.11		
		801.17 to 801.19	SE 11-15-12 W2M	13U 603723E 5566007N	--	<0.01		
		802.07 to 802.31	NW 1-15-12 W2M to NE 1-15-12 W2M	13U 604697E 5565794N	0.19	1.18		
		802.68 to 802.85	NE 1-15-12 W2M	13U 605253E 5565633N	0.06	0.37		
		803.11 to 803.47	NE 1-15-12 W2M to NW 6-15-11 W2M	13U 605779E 5565414N	0.11	0.90		
		804.52 to 804.54	SE 6-15-11 W2M	13U 606905E 5564991N	0.01	0.05		
		807.40 to 807.43	NE 32-14-11 W2M	13U 609216E 5564182N	0.02	0.07		
SK-490	seasonal marsh (Class III)	793.63 to 793.77	NW 7-15-12 W2M	13U 596447E 5567319N	0.07	0.17	--	--
SK-491	seasonal marsh (Class III)	793.85 to 793.90	NW 7-15-12 W2M	13U 596618E 5567264N	--	0.12	--	--
SK-492	seasonal marsh (Class III)	794.58 to 794.77	NE 7-15-12 W2M to NW 8-15-12 W2M	13U 597408E 5567139N	0.13	0.86	seed mix	--
SK-493	seasonal marsh (Class III)	795.08 to 795.16	NW 8-15-12 W2M	13U 597846E 5567069N	0.04	0.22	--	--
SK-494	seasonal marsh (Class III)	795.57 to 795.60²	NE 8-15-12 W2M	13U 598303E 5566965N	--	0.01	--	--
SK-495	seasonal marsh (Class III)	795.67 to 795.73	NE 8-15-12 W2M	13U 598415E 5566995N	0.03	0.07	--	--
SK-496	seasonal marsh (Class III)	795.87 to 796.01	NE 8-15-12 W2M	13U 598648E 5566944N	0.09	0.32	--	--
SK-497	seasonal marsh (Class III)	795.99 to 796.04	NE 8-15-12 W2M	13U 598737E 5566939N	0.05	0.12	--	--
SK-498	seasonal marsh (Class III)	796.37 to 796.40	NE 8-15-12 W2M to NW 9-15-12 W2M	13U 599102E 5566884N	0.02	0.04	--	--
SK-499	open water pond (Class V) wetland complex	796.73 to 796.86	NW 9-15-12 W2M	13U 599520E 5566822N	0.03	0.32	--	--
SK-500	seasonal marsh (Class III)	796.92 to 796.94²	NW 9-15-12 W2M	13U 599643E 5566800N	--	0.01	--	--
SK-501	seasonal marsh (Class III)	796.97 to 797.00	NW 9-15-12 W2M	13U 599698E 5566834N	0.03	0.06	--	--
SK-502	seasonal marsh (Class III)	797.76 to 797.81	NE 9-15-12 W2M	13U 600496E 5566742N	--	0.05	--	--
SK-503	ephemeral/temporary marsh (Class I/Class II)	798.21 to 798.24	NW 10-15-12 W2M	13U 600929E 5566709N	--	0.05	--	--
SK-504	ephemeral/temporary marsh (Class I/Class II)	798.32 to 798.34	NW 10-15-12 W2M to SW 10-15-12 W2M	13U 601039E 5566715N	--	0.02	seed mix	--
SK-505	ephemeral/temporary marsh (Class I/Class II)	798.45 to 798.47	NW 10-15-12 W2M	13U 601168E 5566714N	0.02	0.02	seed mix	--
SK-506	seasonal marsh (Class III)	804.13 to 804.19	SE 6-15-11 W2M	13U 606556E 5565128N	0.05	0.11	--	--
SK-507	seasonal marsh (Class III)	804.96 to 805.05	SE 6-15-11 W2M to SW 5-15-11 W2M	13U 607350E 5564831N	0.08	0.40	--	--
SK-508	seasonal marsh (Class III)	805.47 to 805.49²	SW 5-15-11 W2M	13U 607803E 5564676N	--	0.01	--	--
SK-509	ephemeral/temporary marsh (Class I/Class II)	806.26 to 806.36	NE 31-14-11 W2M to NW 32-14-11 W2M	13U 608125E 5564187N	0.03	0.11	--	--
SK-510	seasonal marsh (Class III)	807.01 to 807.08	NW 32-14-11 W2M	13U 608851E 5564173N	--	0.08	--	--
SK-511	seasonal marsh (Class III)	808.04 to 808.14	NW 33-14-11 W2M	13U 609858E 5563920N	0.08	0.22	--	--
SK-512	seasonal marsh (Class III)	808.22 to 808.31	NW 33-14-11 W2M	13U 609950E 5563796N	0.03	0.17	--	--
SK-513	seasonal marsh (Class III)	808.84 to 808.92	SW 33-14-11 W2M	13U 610381E 5563359N	0.07	0.16	--	--
SK-514	open water pond (Class V) wetland complex	810.13 to 810.17	SW 34-14-11 W2M	13U 611634E 5563255N	0.03	0.15	watercourse concern⁵	Associated with a fish-bearing unnamed drainage to Moose Mountain Creek (SK-WC70).⁵
SK-515	semi-permanent marsh (Class IV)	811.95 to 812.02	SW 35-14-11 W2M	13U 613442E 5563157N	0.06	0.17	--	--
SK-516	seasonal marsh (Class III)	812.24 to 812.26	SW 35-14-11 W2M	13U 613712E 5563173N	--	<0.01	--	--
SK-517	seasonal marsh (Class III)	812.40 to 812.48	SE 35-14-11 W2M	13U 613911E 5563149N	0.05	0.27	--	--
SK-518	seasonal marsh (Class III)	812.53 to 812.90	SE 35-14-11 W2M	13U 614150E 5563131N	0.19	1.05	--	--
SK-519	seasonal marsh (Class III)	812.91 to 812.95	SE 35-14-11 W2M	13U 614390E 5563109N	0.04	0.12	--	--
SK-520	seasonal marsh (Class III)	813.07 to 813.15	SE 35-14-11 W2M to SW 36-14-11 W2M	13U 614551E 5562995N	--	0.55	--	--
SK-521	seasonal marsh (Class III)	813.18 to 813.27	SW 36-14-11 W2M	13U 614683E 5563056N	0.04	0.29	--	--
SK-522	seasonal marsh (Class III) wetland complex	813.63 to 813.74	SW 36-14-11 W2M	13U 615132E 5562993N	0.05	0.40	--	--
SK-523	seasonal marsh (Class III)	814.70 to 814.78	NE 25-14-11 W2M	13U 616181E 5562852N	0.03	0.33	--	--
SK-524	seasonal marsh (Class III) wetland complex	814.78 to 814.80	NE 25-14-11 W2M to NW 30-14-10 W2M	13U 616236E 5562878N	--	<0.01	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-525	seasonal marsh (Class III)	814.97 to 815.02	NW 30-14-10 W2M	13U 616427E 5562813N	--	0.09	--	--
SK-526	seasonal marsh (Class III) wetland complex	815.00 to 815.01	NW 30-14-10 W2M	13U 616446E 5562852N	--	<0.01	--	--
SK-527	seasonal marsh (Class III)	815.07 to 815.29	NW 30-14-10 W2M	13U 616615E 5562793N	0.05	0.62	--	--
SK-528	seasonal marsh (Class III)	815.39 to 815.48	NW 30-14-10 W2M	13U 616870E 5562764N	0.03	0.30	--	--
SK-529	seasonal marsh (Class III)	815.75 to 815.84	NE 30-14-10 W2M	13U 617229E 5562706N	--	0.15	--	--
SK-530	seasonal marsh (Class III)	815.88 to 815.97	NE 30-14-10 W2M	13U 617366E 5562722N	0.06	0.16	--	--
SK-531	seasonal marsh (Class III)	816.00 to 816.10	NE 30-14-10 W2M	13U 617476E 5562693N	0.05	0.29	--	--
SK-532	seasonal marsh (Class III)	816.14 to 816.33	NE 30-14-10 W2M	13U 617655E 5562655N	0.01	0.55	--	--
SK-533	semi-permanent marsh (Class IV) wetland complex	816.53 to 816.60	NW 29-14-10 W2M	13U 618008E 5562598N	<0.01	0.04	--	--
SK-534	seasonal marsh (Class III)	817.06 to 817.08	NW 29-14-10 W2M	13U 618493E 5562585N	--	0.01	--	--
SK-535	seasonal marsh (Class III)	817.10 to 817.13	NW 29-14-10 W2M	13U 618531E 5562538N	--	0.05	--	--
SK-536	seasonal marsh (Class III)	817.31 to 817.41	NE 29-14-10 W2M	13U 618776E 5562517N	0.06	0.41	--	--
SK-537a	seasonal marsh (Class III)	817.51 to 817.57	NE 29-14-10 W2M	13U 618954E 5562510N	0.06	0.17	--	--
SK-538	seasonal marsh (Class III)	818.02 to 818.06	NE 29-14-10 W2M to NW 28-14-10 W2M	13U 619450E 5562421N	--	0.11	--	--
SK-539	ephemeral/temporary marsh (Class I/Class II)	818.23 to 818.25	NW 28-14-10 W2M	13U 619651E 5562395N	--	0.02	seed mix	--
SK-540	seasonal marsh (Class III) wetland complex	819.15 to 819.26	NE 28-14-10 W2M	13U 620607E 5562323N	0.07	0.28	--	--
SK-541	seasonal marsh (Class III)	819.68 to 819.73	NE 28-14-10 W2M to NW 27-14-10 W2M	13U 621110E 5562290N	<0.01	0.05	--	Associated with nonfish-bearing drainage (SK-WC71). <sup>5</sup>
SK-542	seasonal marsh (Class III)	820.73 to 820.79	SE 27-14-10 W2M	13U 622160E 5562152N	0.06	0.20	--	--
SK-543	seasonal marsh (Class III) wetland complex	821.08 to 821.18	SE 27-14-10 W2M	13U 622510E 5562086N	--	0.14	--	--
		821.34 to 821.47	SW 26-14-10 W2M	13U 622783E 5562050N	0.08	0.59		
SK-544	semi-permanent marsh (Class IV) wetland complex	821.85 to 822.12	SW 26-14-10 W2M	13U 623361E 5561926N	0.23	2.97	--	--
SK-545	seasonal marsh (Class III)	822.32 to 822.39	SE 26-14-10 W2M	13U 623733E 5561923N	0.08	0.32	--	--
SK-546	seasonal marsh (Class III)	822.45 to 822.47 <sup>2</sup>	SE 26-14-10 W2M	13U 623835E 5561882N	--	<0.01	--	--
SK-547	ephemeral/temporary marsh (Class I/Class II)	822.53 to 822.54 <sup>2</sup>	SE 26-14-10 W2M	13U 623907E 5561872N	--	<0.01	seed mix	--
SK-548	ephemeral/temporary marsh (Class I/Class II)	822.88 to 822.92	SE 26-14-10 W2M	13U 624271E 5561824N	--	0.06	--	--
SK-549	ephemeral/temporary marsh (Class I/Class II)	823.22 to 823.29	SW 25-14-10 W2M	13U 624612E 5561771N	--	0.10	seed mix	--
SK-550	open water pond (Class V)	823.64 to 823.85	SW 25-14-10 W2M to SE 25-14-10 W2M	13U 625106E 5561703N	0.18	0.79	potentially navigable wetland <sup>7</sup>	Wetland is identified as potentially navigable.
SK-551	seasonal marsh (Class III)	823.92 to 823.98	SE 25-14-10 W2M	13U 625295E 5561658N	--	0.11	--	--
SK-552	seasonal marsh (Class III)	824.10 to 824.28	SE 25-14-10 W2M	13U 625529E 5561610N	--	0.39	wildlife concern <sup>6</sup>	Potential black tern nesting colony. <sup>6</sup>
		824.26 to 824.26	SE 25-14-10 W2M	13U 625603E 5561582N	--	<0.01		
SK-553	seasonal marsh (Class III)	824.40 to 824.44	SE 25-14-10 W2M to NE 24-14-10 W2M	13U 625766E 5561604N	--	0.02	wildlife concern <sup>6</sup>	Potential eared grebe nesting colony. <sup>6</sup>
SK-554	seasonal marsh (Class III)	824.57 to 824.63	NE 24-14-10 W2M	13U 625943E 5561522N	--	0.07	--	--
SK-555	temporary marsh (Class II)	824.71 to 824.77	NW 19-14-9 W2M	13U 626084E 5561546N	0.02	0.07	seed mix	--
SK-556	temporary marsh (Class II)	824.80 to 824.94	NW 19-14-9 W2M	13U 626203E 5561511N	0.09	0.22	seed mix	--
SK-557	temporary marsh (Class II)	825.13 to 825.17	NW 19-14-9 W2M	13U 626484E 5561441N	--	0.05	seed mix	--
SK-558	temporary marsh (Class II)	825.20 to 825.25	NW 19-14-9 W2M	13U 626558E 5561436N	--	0.08	seed mix	--
SK-559	seasonal marsh (Class III)	825.27 to 825.33	NW 19-14-9 W2M	13U 626632E 5561433N	0.05	0.21	--	--
SK-560	temporary marsh (Class II)	825.49 to 825.49 <sup>2</sup>	NW 19-14-9 W2M	13U 626810E 5561368N	--	<0.01	seed mix	--
SK-561	temporary marsh (Class II)	825.49 to 825.51	NW 19-14-9 W2M to NE 19-14-9 W2M	13U 626829E 5561412N	0.01	0.03	seed mix	--
SK-562	seasonal marsh (Class III)	825.58 to 825.62	NE 19-14-9 W2M	13U 626924E 5561356N	--	0.06	--	--
SK-563	seasonal marsh (Class III)	825.69 to 825.78	NE 19-14-9 W2M	13U 627054E 5561358N	0.07	0.29	--	--
		825.71 to 825.74 <sup>2</sup>	NE 19-14-9 W2M	13U 627047E 5561308N	--	0.03		
SK-564	seasonal marsh (Class III)	825.86 to 825.93	NE 19-14-9 W2M	13U 627214E 5561333N	0.06	0.16	--	--
SK-565	seasonal marsh (Class III)	825.95 to 826.07	NE 19-14-9 W2M	13U 627340E 5561281N	--	0.27	--	--
SK-566	temporary marsh (Class II)	826.14 to 826.18	NE 19-14-9 W2M	13U 627475E 5561265N	--	0.04	seed mix	--
SK-567	open water pond (Class V) wetland complex	826.88 to 826.96	NW 20-14-9 W2M	13U 628236E 5561208N	0.04	0.10	--	--
		827.10 to 827.19	NW 20-14-9 W2M to NE 20-14-9 W2M	13U 628458E 5561166N	0.07	0.36		
SK-568	seasonal marsh (Class III)	826.99 to 827.01 <sup>2</sup>	NW 20-14-9 W2M	13U 628307E 5561156N	--	<0.01	--	--
SK-569	temporary marsh (Class II)	827.27 to 827.29	NE 20-14-9 W2M	13U 628591E 5561172N	0.02	0.03	seed mix	--
SK-570	seasonal marsh (Class III)	827.37 to 827.43	NE 20-14-9 W2M	13U 628708E 5561146N	0.03	0.09	--	--
SK-571	seasonal marsh (Class III)	827.71 to 827.79	NE 20-14-9 W2M	13U 629056E 5561119N	0.07	0.17	--	--
SK-572	shrubby swamp	828.48 to 828.56	NW 21-14-9 W2M	13U 629821E 5561010N	--	0.12	--	--
SK-573a	seasonal marsh (Class III)	829.38 to 829.52	NE 21-14-9 W2M	13U 630732E 5560917N	--	0.24	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-574	open water pond (Class V) wetland complex	829.65 to 829.65	SW 22-14-9 W2M	13U 631129E 5560935N	--	<0.01	potentially navigable wetland⁷	Wetland is identified as potentially navigable.
		830.21 to 830.33	SW 22-14-9 W2M	13U 631364E 5560889N	--	1.21		
		830.22 to 830.46	SW 22-14-9 W2M	13U 631410E 5560623N	0.21	1.04		
		830.23 to 830.33	SW 22-14-9 W2M	13U 631375E 5560735N	--	0.39		
		830.79 to 830.86	SE 22-14-9 W2M	13U 631826E 5560375N	0.04	0.23		
		830.93 to 831.28	SE 22-14-9 W2M	13U 632046E 5560232N	0.31	1.21		
SK-575	seasonal marsh (Class III)	831.57 to 831.59²	NE 15-14-9 W2M	13U 632495E 5560111N	--	<0.01	--	--
SK-576	open water pond (Class V) wetland complex	831.88 to 831.98	NW 14-14-9 W2M	13U 632776E 5559983N	0.05	0.27	--	--
		832.23 to 832.34	NW 14-14-9 W2M	13U 633102E 5559847N	0.01	0.16		
		832.52 to 832.55	NW 14-14-9 W2M	13U 633355E 5559866N	0.03	0.10		
		832.59 to 832.68	NE 14-14-9 W2M	13U 633439E 5559868N	0.03	0.15		
		832.85 to 832.96	NE 14-14-9 W2M	13U 633733E 5559865N	0.06	0.30		
		833.21 to 833.25	NE 14-14-9 W2M	13U 634049E 5559884N	0.04	0.14		
		833.46 to 833.50	NW 13-14-9 W2M	13U 634302E 5559886N	0.04	0.15		
SK-577	seasonal marsh (Class III)	834.14 to 834.23	NW 13-14-9 W2M to NE 13-14-9 W2M	13U 635002E 5559842N	0.08	0.44	--	--
SK-578	ephemeral/temporary marsh (Class I/Class II)	834.40 to 834.44	NE 13-14-9 W2M	13U 635232E 5559787N	<0.01	0.11	seed mix	--
SK-579	semi-permanent marsh (Class IV) wetland complex	834.57 to 834.78	NE 13-14-9 W2M	13U 635475E 5559744N	0.18	0.89	wildlife concern⁶	Potential American bittern nesting waterbody. ⁶
SK-580	open water pond (Class V) wetland complex	835.17 to 835.25	NW 18-14-8 W2M	13U 635999E 5559626N	--	0.10	--	--
SK-581	semi-permanent marsh (Class IV) wetland complex	835.25 to 835.31	NW 18-14-8 W2M	13U 636072E 5559643N	0.03	0.06	--	--
		835.36 to 835.41	NW 18-14-8 W2M	13U 636166E 5559611N	0.04	0.14		
SK-582	seasonal marsh (Class III)	835.60 to 835.71	NW 18-14-8 W2M	13U 636448E 5559562N	0.05	0.11	--	--
SK-583	seasonal marsh (Class III)	835.80 to 835.87	NW 18-14-8 W2M to NE 18-14-8 W2M	13U 636612E 5559523N	0.05	0.14	--	--
SK-584	seasonal marsh (Class III) wetland complex	838.15 to 838.35	SE 17-14-8 W2M	13U 638832E 5558992N	0.07	0.61	watercourse concern⁵	Associated with a fish-bearing watercourse (Vipond Creek; SK-WC72).⁵
SK-585	seasonal marsh (Class III)	840.27 to 840.35	SW 15-14-8 W2M	13U 640832E 5558742N	0.06	0.30	--	--
SK-586	open water pond (Class V)	840.43 to 840.45²	SW 15-14-8 W2M	13U 640957E 5558688N	--	<0.01	--	--
SK-587	seasonal marsh (Class III)	840.69 to 840.71	NW 10-14-8 W2M	13U 641217E 5558650N	--	0.02	--	--
SK-588	seasonal marsh (Class III)	840.73 to 840.75	NW 10-14-8 W2M	13U 641258E 5558668N	0.02	0.06	--	--
SK-589	seasonal marsh (Class III)	840.79 to 840.86	NW 10-14-8 W2M	13U 641343E 5558654N	0.06	0.19	--	--
SK-590	seasonal marsh (Class III)	840.88 to 840.91	NW 10-14-8 W2M	13U 641407E 5558637N	<0.01	0.05	wildlife concern⁶	Potential horned grebe nesting waterbody. ⁶
SK-591	semi-permanent marsh (Class IV)	840.94 to 841.00	NW 10-14-8 W2M	13U 641480E 5558626N	0.03	0.15	wildlife concern⁶	Potential eared grebe nesting colony. ⁶
SK-592	seasonal marsh (Class III)	841.10 to 841.15	NE 10-14-8 W2M	13U 641634E 5558606N	0.04	0.11	--	--
SK-593	seasonal marsh (Class III)	841.21 to 841.24	NE 10-14-8 W2M	13U 641734E 5558599N	--	0.02	--	--
SK-594	shrubby swamp	841.24 to 841.32	NE 10-14-8 W2M	13U 641791E 5558550N	--	0.13	--	--
SK-595	seasonal marsh (Class III)	841.41 to 841.43	NE 10-14-8 W2M	13U 641924E 5558556N	0.02	0.04	--	--
SK-596	seasonal marsh (Class III) wetland complex	841.44 to 841.46	NE 10-14-8 W2M	13U 641952E 5558510N	--	<0.01	seed mix	--
		841.49 to 841.53	NE 10-14-8 W2M	13U 642012E 5558519N	0.01	0.11		
		841.55 to 841.57	NE 10-14-8 W2M	13U 642063E 5558502N	--	0.07		
SK-597	seasonal marsh (Class III)	841.69 to 841.77	NE 10-14-8 W2M	13U 642232E 5558483N	0.04	0.18	--	--
SK-598	seasonal marsh (Class III)	841.79 to 841.89	NE 10-14-8 W2M to NW 11-14-8 W2M	13U 642326E 5558479N	0.07	0.15	--	--
		841.86 to 841.86	NW 11-14-8 W2M	13U 642353E 5558426N	--	<0.01		
		841.88 to 841.91	NW 11-14-8 W2M	13U 642383E 5558428N	--	0.05		
SK-599	seasonal marsh (Class III)	841.93 to 841.98	NW 11-14-8 W2M	13U 642453E 5558442N	0.04	0.20	--	--
SK-600	seasonal marsh (Class III)	842.09 to 842.11	NW 11-14-8 W2M	13U 642601E 5558437N	--	<0.01	--	--
SK-601	semi-permanent marsh (Class IV) wetland complex	842.10 to 842.32	NW 11-14-8 W2M	13U 642682E 5558391N	0.07	0.66	--	--
		842.32 to 842.32	NW 11-14-8 W2M	13U 642800E 5558349N	--	<0.01		
SK-602	seasonal marsh (Class III)	842.37 to 842.44	NW 11-14-8 W2M	13U 642893E 5558370N	0.06	0.16	--	--
SK-603	seasonal marsh (Class III)	842.51 to 842.54	NW 11-14-8 W2M	13U 643007E 5558337N	0.02	0.09	--	--
SK-604	seasonal marsh (Class III)	842.60 to 842.64	NW 11-14-8 W2M	13U 643098E 5558301N	--	0.06	--	--
SK-605	seasonal marsh (Class III)	842.66 to 842.79	NW 11-14-8 W2M to NE 11-14-8 W2M	13U 643204E 5558304N	0.06	0.29	--	--
SK-606	seasonal marsh (Class III)	842.82 to 842.93	NE 11-14-8 W2M	13U 643346E 5558279N	0.11	0.36	--	--
SK-607	seasonal marsh (Class III)	843.03 to 843.09	NE 11-14-8 W2M	13U 643532E 5558251N	0.05	0.14	--	--
SK-608	temporary marsh (Class II)	843.14 to 843.16	NE 11-14-8 W2M	13U 643628E 5558237N	0.02	0.03	seed mix	--
SK-609	seasonal marsh (Class III)	843.19 to 843.32	NE 11-14-8 W2M	13U 643731E 5558215N	0.10	0.23	--	--
SK-610	seasonal marsh (Class III)	843.20 to 843.25	NE 11-14-8 W2M	13U 643689E 5558189N	--	0.07	--	--
SK-611	temporary marsh (Class II)	843.36 to 843.38	NE 11-14-8 W2M	13U 643842E 5558191N	0.01	0.01	seed mix	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-612	open water pond (Class V) wetland complex	843.73 to 843.88	NW 12-14-8 W2M	13U 644269E 5558097N	0.15	0.72	--	
		843.76 to 843.86²	NW 12-14-8 W2M	13U 644247E 5558012N	--	0.13		
SK-613	shrubby swamp	844.24 to 844.30	NW 12-14-8 W2M	13U 644719E 5557997N	--	0.10	--	--
SK-614	ephemeral/temporary marsh (Class I/Class II)	844.51 to 844.59	SE 12-14-8 W2M	13U 645001E 5557972N	0.08	0.16	seed mix	--
SK-615	seasonal marsh (Class III) wetland complex	845.20 to 845.26	SE 12-14-8 W2M	13U 645427E 5557684N	0.05	0.20	seed mix	--
SK-616	seasonal marsh (Class III)	845.94 to 846.10	SW 7-14-7 W2M	13U 646211E 5557732N	0.08	0.52	--	--
SK-617	seasonal marsh (Class III)	846.46 to 846.65	SE 7-14-7 W2M	13U 646745E 5557640N	0.17	0.55	--	--
SK-618	ephemeral/temporary marsh (Class I/Class II)	846.95 to 846.99	SE 7-14-7 W2M	13U 647127E 5557543N	--	0.04	seed mix	--
SK-619	seasonal marsh (Class III)	847.15 to 847.20	SW 8-14-7 W2M	13U 647337E 5557526N	0.05	0.19	--	--
SK-620	seasonal marsh (Class III)	847.47 to 847.63	SW 8-14-7 W2M	13U 647718E 5557477N	0.06	0.55	wildlife concern⁶	Potential black tern nesting colony. ⁶
SK-621	seasonal marsh (Class III) wetland complex	847.65 to 847.75	SW 8-14-7 W2M	13U 647854E 5557460N	--	0.18	shrub staking	--
SK-622	seasonal marsh (Class III)	847.93 to 847.97	SE 8-14-7 W2M	13U 648107E 5557452N	0.03	0.08	--	--
SK-623	seasonal marsh (Class III)	849.11 to 849.17	NW 4-14-7 W2M to SW 9-14-7 W2M	13U 649285E 5557296N	0.01	0.12	--	--
SK-624	semi-permanent marsh (Class IV)	849.54 to 849.59	NW 4-14-7 W2M to NE 4-14-7 W2M	13U 649705E 5557250N	0.05	0.23	--	--
SK-625	semi-permanent marsh (Class IV) wetland complex	849.80 to 849.85	NE 4-14-7 W2M	13U 649972E 5557221N	0.02	0.09	--	--
SK-626	shrubby swamp	849.90 to 849.96	NE 4-14-7 W2M	13U 650070E 5557199N	--	0.06	--	--
SK-627	ephemeral/temporary marsh (Class I/Class II)	850.06 to 850.08	NE 4-14-7 W2M	13U 650211E 5557195N	--	0.03	seed mix	--
SK-628	seasonal marsh (Class III)	850.18 to 850.20	NE 4-14-7 W2M	13U 650330E 5557204N	--	<0.01	--	--
SK-629	seasonal marsh (Class III)	850.25 to 850.36	NE 4-14-7 W2M	13U 650441E 5557175N	0.11	0.37	--	--
SK-630	seasonal marsh (Class III)	850.79 to 850.82²	NW 3-14-7 W2M	13U 650932E 5557071N	--	0.03	--	--
SK-631	seasonal marsh (Class III)	850.80 to 850.88	NW 3-14-7 W2M	13U 650968E 5557105N	0.07	0.17	--	--
		850.90 to 851.04	NW 3-14-7 W2M	13U 651102E 5557077N	0.03	0.15		
SK-632	seasonal marsh (Class III)	851.33 to 851.40	NE 3-14-7 W2M	13U 651482E 5556973N	0.07	0.25	--	--
		851.85 to 851.90	NE 3-14-7 W2M	13U 651977E 5556862N	<0.01	0.04		
SK-633	semi-permanent marsh (Class IV) wetland complex	851.69 to 851.75	NE 3-14-7 W2M	13U 651819E 5556872N	--	0.08	--	--
SK-634	seasonal marsh (Class III)	851.77 to 851.88	NE 3-14-7 W2M	13U 651914E 5556841N	--	0.25	--	--
SK-635	seasonal marsh (Class III)	852.07 to 852.26	NW 2-14-7 W2M	13U 652257E 5556768N	0.12	0.54	shrub staking	--
SK-636	seasonal marsh (Class III)	852.42 to 852.46	NW 2-14-7 W2M	13U 652522E 5556733N	--	<0.01	--	--
		852.49 to 852.53	NW 2-14-7 W2M	13U 652597E 5556715N	--	<0.01		
SK-637	seasonal marsh (Class III)	852.59 to 852.66	NW 2-14-7 W2M	13U 652700E 5556659N	--	0.15	--	--
SK-638	ephemeral/temporary marsh (Class I/Class II)	852.69 to 852.89	NW 2-14-7 W2M	13U 652870E 5556616N	0.03	0.37	seed mix	--
SK-639	seasonal marsh (Class III)	853.07 to 853.10²	SE 2-14-7 W2M	13U 653145E 5556531N	--	0.02	--	--
SK-640	seasonal marsh (Class III)	853.23 to 853.31	SE 2-14-7 W2M	13U 653319E 5556504N	--	0.14	--	--
SK-641	seasonal marsh (Class III)	853.35 to 853.50	SE 2-14-7 W2M	13U 653484E 5556473N	0.12	0.46	--	--
SK-642	seasonal marsh (Class III)	853.99 to 853.99³	SW 1-14-7 W2M	13U 654018E 5556299N	--	<0.01	--	--
		853.99 to 854.27	SW 1-14-7 W2M	13U 654149E 5556304N	0.14	0.85		
		854.07 to 854.13³	SW 1-14-7 W2M	13U 654095E 5556161N	--	0.07		
		854.30 to 854.32³	SW 1-14-7 W2M	13U 654327E 5556209N	--	0.03		
		854.36 to 854.40	SW 1-14-7 W2M	13U 654409E 5556262N	0.03	0.06		
SK-643	ephemeral/temporary marsh (Class I/Class II)	854.26 to 854.29	SW 1-14-7 W2M	13U 654268E 5556141N	--	0.04	seed mix	--
SK-644	seasonal marsh (Class III)	854.69 to 854.80	SE 1-14-7 W2M	13U 654748E 5556158N	0.04	0.34	--	--
SK-645	ephemeral/temporary marsh (Class I/Class II)	854.87 to 854.91	SE 1-14-7 W2M	13U 654899E 5556110N	--	0.07	seed mix	--
SK-646	seasonal marsh (Class III)	855.00 to 855.08	SE 1-14-7 W2M	13U 655054E 5556087N	0.07	0.29	wildlife concern⁶	Potential American bittern nesting waterbody. ⁶
		855.16 to 855.21	SE 1-14-7 W2M	13U 655196E 5556070N	--	0.03		
SK-647	seasonal marsh (Class III)	855.13 to 855.16	SE 1-14-7 W2M	13U 655139E 5556035N	--	<0.01	--	--
		855.17 to 855.25	SE 1-14-7 W2M	13U 655211E 5556022N	--	0.08		
SK-648	seasonal marsh (Class III)	855.29 to 855.35	SE 1-14-7 W2M	13U 655318E 5555995N	--	0.10	--	--
SK-649	seasonal marsh (Class III)	855.91 to 855.94²	SW 6-14-6 W2M	13U 655895E 5555842N	--	0.01	--	--
SK-650	shrubby swamp	855.97 to 855.99	SW 6-14-6 W2M	13U 655951E 5555834N	--	0.04	shrub staking	--
SK-651	seasonal marsh (Class III)	856.03 to 856.05²	NW 31-13-6 W2M	13U 656010E 5555814N	--	<0.01	--	--
SK-652	seasonal marsh (Class III)	856.16 to 856.20	NW 31-13-6 W2M	13U 656147E 5555796N	--	0.01	--	--
SK-653	seasonal marsh (Class III)	856.30 to 856.36	NE 31-13-6 W2M	13U 656296E 5555798N	0.05	0.09	--	--
SK-654	seasonal marsh (Class III)	856.37 to 856.46	NE 31-13-6 W2M	13U 656383E 5555748N	0.02	0.23	--	--
SK-655	broad-leaf treed swamp wetland complex	856.49 to 856.55	NE 31-13-6 W2M	13U 656477E 5555730N	0.02	0.13	--	--
		856.60 to 856.69	NE 31-13-6 W2M	13U 656615E 5555690N	0.02	0.20		



TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-656	seasonal marsh (Class III)	856.76 to 856.84	NE 31-13-6 W2M	13U 656770E 5555678N	0.05	0.12	--	--
SK-657	temporary marsh (Class II)	856.87 to 856.90²	NE 31-13-6 W2M	13U 656833E 5555621N	--	0.02	seed mix	--
SK-658	shrubby swamp	856.94 to 857.02	NE 31-13-6 W2M	13U 656929E 5555612N	--	0.20	shrub staking	--
SK-659	seasonal marsh (Class III)	857.07 to 857.13	NE 31-13-6 W2M to NW 32-13-6 W2M	13U 657046E 5555603N	0.05	0.16	--	--
		857.13 to 857.15	NW 32-13-6 W2M	13U 657072E 5555552N	--	<0.01		
SK-660	semi-permanent marsh (Class IV) wetland complex	857.17 to 857.31	NW 32-13-6 W2M	13U 657194E 5555559N	0.08	0.39	--	--
		857.38 to 857.55	NW 32-13-6 W2M	13U 657390E 5555506N	0.10	0.63		
		857.69 to 857.77	NW 32-13-6 W2M	13U 657656E 5555440N	0.06	0.36		
SK-661	seasonal marsh (Class III)	857.97 to 858.03	NE 32-13-6 W2M	13U 657910E 5555379N	0.02	0.16	--	--
SK-662	seasonal marsh (Class III)	858.09 to 858.12	NE 32-13-6 W2M	13U 658017E 5555339N	--	0.05	--	--
SK-663	seasonal marsh (Class III)	858.20 to 858.25	NE 32-13-6 W2M	13U 658141E 5555341N	0.05	0.12	--	--
SK-664	seasonal marsh (Class III)	858.39 to 858.42	NE 32-13-6 W2M	13U 658307E 5555268N	--	0.05	--	--
SK-665	seasonal marsh (Class III)	858.84 to 858.93	NW 33-13-6 W2M	13U 658774E 5555170N	0.07	0.37	--	--
SK-666	seasonal marsh (Class III)	858.98 to 859.02	NW 33-13-6 W2M	13U 658891E 5555150N	0.03	0.06	--	--
SK-667	seasonal marsh (Class III)	859.10 to 859.16	SW 33-13-6 W2M	13U 659021E 5555129N	0.03	0.06	--	--
		859.10 to 859.24	SW 33-13-6 W2M	13U 659092E 5555086N	0.03	0.24		
SK-668	seasonal marsh (Class III)	859.61 to 859.64	SW 33-13-6 W2M	13U 659477E 5554945N	--	0.02	--	--
SK-669	seasonal marsh (Class III)	859.85 to 859.90	SE 33-13-6 W2M	13U 659720E 5554890N	0.03	0.07	--	--
SK-670	seasonal marsh (Class III)	859.95 to 859.96	SE 33-13-6 W2M	13U 659782E 5554828N	--	<0.01	--	--
SK-671	temporary marsh (Class II)	860.24 to 860.27	SE 33-13-6 W2M	13U 660066E 5554723N	--	0.04	seed mix	--
SK-672	seasonal marsh (Class III)	860.38 to 860.42	SE 33-13-6 W2M	13U 660207E 5554693N	0.03	0.05	--	--
SK-673	seasonal marsh (Class III)	860.55 to 860.61	SW 34-13-6 W2M	13U 660376E 5554619N	--	0.14	--	--
SK-674	seasonal marsh (Class III)	860.66 to 860.78	SW 34-13-6 W2M	13U 660517E 5554621N	0.04	0.40	--	--
SK-675	seasonal marsh (Class III) wetland complex	861.16 to 861.21	SW 34-13-6 W2M	13U 660975E 5554631N	0.04	0.19	--	
		861.32 to 861.65	SW 34-13-6 W2M to SE 34-13-6 W2M	13U 661193E 5554587N	0.14	0.46		
		861.53 to 861.53	SE 34-13-6 W2M	13U 661303E 5554515N	--	<0.01		
		861.77 to 861.84	SE 34-13-6 W2M	13U 661576E 5554455N	--	0.03		
SK-676	semi-permanent marsh (Class IV) wetland complex	861.40 to 861.44	SE 34-13-6 W2M	13U 661200E 5554547N	--	0.03	--	--
SK-677	seasonal marsh (Class III)	861.68 to 861.73	SE 34-13-6 W2M	13U 661477E 5554484N	--	0.05	shrub staking	--
SK-678	seasonal marsh (Class III)	861.85 to 861.91	SE 34-13-6 W2M	13U 661658E 5554474N	0.06	0.14	--	--
SK-679	temporary marsh (Class II)	862.14 to 862.15	NE 27-13-6 W2M	13U 661915E 5554423N	--	<0.01	seed mix	--
		862.19 to 862.21	NE 27-13-6 W2M	13U 661969E 5554408N	--	<0.01		
SK-680	seasonal marsh (Class III)	862.41 to 862.46	NW 26-13-6 W2M	13U 662189E 5554345N	0.04	0.10	--	--
SK-681	semi-permanent marsh (Class IV) wetland complex	862.52 to 862.58³	NW 26-13-6 W2M	13U 662289E 5554237N	--	0.03	wildlife concern⁶	Potential black tern nesting colony.⁶
		862.52 to 862.60	NW 26-13-6 W2M	13U 662311E 5554302N	0.07	0.31		
		862.60 to 862.69	NW 26-13-6 W2M	13U 662406E 5554270N	0.05	0.29		
SK-682	seasonal marsh (Class III)	862.76 to 862.84	NW 26-13-6 W2M	13U 662542E 5554238N	<0.01	0.12	--	--
SK-683	seasonal marsh (Class III)	862.94 to 863.04	NW 26-13-6 W2M	13U 662718E 5554193N	0.03	0.22	--	--
SK-684	semi-permanent marsh (Class IV)	863.13 to 863.15	NE 26-13-6 W2M	13U 662868E 5554123N	--	<0.01	--	--
		863.13 to 863.38	NE 26-13-6 W2M	13U 663011E 5554123N	0.10	0.58		
		863.20 to 863.20²	NE 26-13-6 W2M	13U 662907E 5554037N	--	<0.01		
		863.21 to 863.22²	NE 26-13-6 W2M	13U 662927E 5554055N	--	<0.01		
		863.24 to 863.25²	NE 26-13-6 W2M	13U 662963E 5554085N	--	<0.01		
		863.27 to 863.27²	NE 26-13-6 W2M	13U 662982E 5554069N	--	<0.01		
SK-685	semi-permanent marsh (Class IV) wetland complex	863.54 to 863.65	NE 26-13-6 W2M	13U 663313E 5554046N	0.02	0.22	--	--
SK-686	seasonal marsh (Class III)	863.88 to 863.89	NE 26-13-6 W2M	13U 663608E 5554002N	--	<0.01	--	--
SK-687	seasonal marsh (Class III)	864.02 to 864.05	NW 25-13-6 W2M	13U 663751E 5553965N	--	0.02	--	--
SK-688	open water pond (Class V) wetland complex	864.20 to 864.21³	NW 25-13-6 W2M	13U 663893E 5553858N	--	0.01	--	--
		864.21 to 864.28	NW 25-13-6 W2M	13U 663943E 5553899N	0.06	0.22		
SK-689a	semi-permanent marsh (Class IV)	864.32 to 864.40	NW 25-13-6 W2M	13U 664059E 5553867N	0.08	0.30	wildlife concern⁶	Potential horned grebe nesting waterbody.⁶
		864.42 to 864.46	NW 25-13-6 W2M	13U 664132E 5553829N	--	0.06		
SK-689b	seasonal marsh (Class III)	864.60 to 864.65	NW 25-13-6 W2M	13U 664315E 5553799N	0.03	0.19	--	--
SK-689c	seasonal marsh (Class III)	864.74 to 864.80	NW 25-13-6 W2M to NE 25-13-6 W2M	13U 664452E 5553752N	--	0.14	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-690	semi-permanent marsh (Class IV) wetland complex	864.95 to 865.13	NE 25-13-6 W2M to SE 25-13-6 W2M	13U 664722E 5553702N	0.17	0.80	--	--
		865.46 to 865.53	SE 25-13-6 W2M	13U 665168E 5553605N	0.04	0.10		
		865.60 to 866.32	SW 30-13-5 W2M	13U 665582E 5553490N	0.67	3.09		
SK-691	seasonal marsh (Class III)	866.72 to 866.79	SE 30-13-5 W2M	13U 666382E 5553287N	0.03	0.19	--	--
SK-692	semi-permanent marsh (Class IV)	867.19 to 867.24	SE 30-13-5 W2M	13U 666821E 5553154N	--	0.07	--	--
SK-693	seasonal marsh (Class III)	867.66 to 867.72	NW 20-13-5 W2M	13U 666968E 5552806N	0.04	0.18	--	--
SK-694	seasonal marsh (Class III)	867.85 to 867.92	NW 20-13-5 W2M	13U 667010E 5552631N	0.05	0.30	--	--
SK-695	seasonal marsh (Class III)	868.33 to 868.36	NW 20-13-5 W2M	13U 667473E 5552665N	0.03	0.06	--	--
SK-696	seasonal marsh (Class III) wetland complex	868.83 to 868.92	NE 20-13-5 W2M	13U 667846E 5552470N	0.09	0.37	--	--
SK-697	seasonal marsh (Class III)	868.98 to 869.10	NE 20-13-5 W2M	13U 667878E 5552326N	--	0.17	--	--
SK-698	seasonal marsh (Class III)	869.11 to 869.18	NE 20-13-5 W2M to SE 20-13-5 W2M	13U 667942E 5552209N	0.06	0.12	--	--
SK-699	temporary marsh (Class II)	869.37 to 869.41	SE 20-13-5 W2M	13U 668066E 5552002N	0.02	0.05	seed mix	--
SK-700	broad-leaf treed swamp	870.04 to 870.09	SE 20-13-5 W2M	13U 668449E 5551460N	--	0.05	--	--
		870.09 to 870.09	SE 20-13-5 W2M	13U 668472E 5551435N	--	<0.01		
SK-701	semi-permanent marsh (Class IV) wetland complex	870.09 to 870.39	SE 20-13-5 W2M to NW 16-13-5 W2M	13U 668641E 5551420N	0.28	1.34	--	--
		870.14 to 870.17	SE 20-13-5 W2M	13U 668551E 5551417N	--	0.04		
		870.58 to 871.01	NW 16-13-5 W2M	13U 669106E 5551293N	0.32	1.19		
SK-703	seasonal marsh (Class III)	871.31 to 871.60	NE 16-13-5 W2M	13U 669744E 5551295N	0.19	0.88	--	--
SK-704	ephemeral/temporary marsh (Class I/Class II)	872.17 to 872.30	NW 15-13-5 W2M	13U 670585E 5551303N	--	0.22	seed mix	--
SK-705	seasonal marsh (Class III)	872.78 to 872.81	NE 15-13-5 W2M	13U 671162E 5551328N	--	0.05	--	--
SK-706	seasonal marsh (Class III)	872.84 to 872.89	NE 15-13-5 W2M	13U 671225E 5551330N	--	0.14	--	--
SK-707	semi-permanent marsh (Class IV) wetland complex	873.04 to 873.12	NE 15-13-5 W2M	13U 671441E 5551347N	0.06	0.27	--	--
SK-708	broad-leaf treed swamp	873.17 to 873.22	NE 15-13-5 W2M	13U 671563E 5551325N	--	0.08	--	--
SK-709	seasonal marsh (Class III)	873.27 to 873.35	NE 15-13-5 W2M	13U 671670E 5551358N	0.07	0.28	shrub staking	--
SK-710	ephemeral/temporary marsh (Class I/Class II)	873.38 to 873.40	NE 15-13-5 W2M	13U 671754E 5551370N	0.02	0.05	seed mix	--
SK-711	seasonal marsh (Class III)	873.66 to 873.78	NW 14-13-5 W2M	13U 672088E 5551358N	--	0.21	wildlife concern⁶	Potential American bittern nesting waterbody.⁶
SK-712	seasonal marsh (Class III)	873.79 to 873.86	NW 14-13-5 W2M	13U 672190E 5551383N	0.07	0.18	--	--
SK-713	temporary marsh (Class II)	874.01 to 874.04	NW 14-13-5 W2M	13U 672389E 5551381N	0.01	0.06	--	Associated with nonfish-bearing drainage (SK-WC97).⁵
SK-714	semi-permanent marsh (Class IV) wetland complex	874.40 to 874.53	NE 14-13-5 W2M	13U 672839E 5551398N	0.11	0.34	--	Associated with nonfish-bearing drainage (SK-WC76).⁵
		874.67 to 875.09	NE 14-13-5 W2M	13U 673284E 5551408N	0.38	1.58		
		875.43 to 875.54	NW 13-13-5 W2M	13U 673829E 5551406N	0.01	0.16		
		875.64 to 875.67	NW 13-13-5 W2M	13U 674017E 5551401N	--	0.01		
SK-715	semi-permanent marsh (Class IV)	876.15 to 876.45	NE 13-13-5 W2M	13U 674659E 5551448N	0.26	1.21	--	--
		876.43 to 876.46	NE 13-13-5 W2M	13U 674812E 5551297N	--	<0.01		
		876.48 to 876.50	NE 13-13-5 W2M	13U 674851E 5551477N	--	<0.01		
SK-716	seasonal marsh (Class III)	876.18 to 876.21	NE 13-13-5 W2M	13U 674560E 5551318N	--	<0.01	--	Wetland is crossed exclusively by an access road/shoo-fly.³
SK-717	seasonal marsh (Class III)	876.60 to 876.68	NE 13-13-5 W2M	13U 675000E 5551437N	--	0.15	--	--
SK-718	semi-permanent marsh (Class IV)	876.63 to 876.67	NE 13-13-5 W2M	13U 675011E 5551478N	--	0.03	--	--
SK-719	semi-permanent marsh (Class IV)	877.21 to 877.61	NW 18-13-4 W2M to NE 18-13-4 W2M	13U 675756E 5551418N	0.39	1.82	--	--
		877.50 to 877.51²	NW 18-13-4 W2M	13U 675838E 5551326N	--	0.01		
SK-720	seasonal marsh (Class III)	878.56 to 878.72	NW 17-13-4 W2M	13U 676945E 5551166N	0.12	0.50	--	--
SK-721	seasonal marsh (Class III)	878.90 to 879.03	NW 17-13-4 W2M	13U 677314E 5551089N	0.07	0.23	--	--
SK-722	ephemeral/temporary marsh (Class I/Class II)	879.28 to 879.31	NE 17-13-4 W2M	13U 677607E 5551024N	0.03	0.06	seed mix	--
SK-723	semi-permanent marsh (Class IV)	879.64 to 879.70	NE 17-13-4 W2M	13U 677964E 5550939N	0.05	0.24	--	--
SK-724	seasonal marsh (Class III)	879.87 to 879.94	NE 17-13-4 W2M to SE 17-13-4 W2M	13U 678203E 5550902N	0.05	0.15	--	--
SK-725	seasonal marsh (Class III)	880.20 to 880.25	SW 16-13-4 W2M	13U 678509E 5550825N	0.05	0.16	--	--
SK-726	seasonal marsh (Class III)	880.56 to 880.70	SW 16-13-4 W2M	13U 678901E 5550743N	0.09	0.39	--	--
SK-727	open water pond (Class V) wetland complex	880.77 to 880.92	SW 16-13-4 W2M	13U 679117E 5550683N	0.04	0.45	--	--
		880.94 to 881.03	SE 16-13-4 W2M	13U 679258E 5550662N	0.07	0.36		
SK-728	seasonal marsh (Class III)	881.14 to 881.20	SE 16-13-4 W2M	13U 679426E 5550606N	--	0.08	--	--
SK-729	seasonal marsh (Class III)	881.23 to 881.33	SE 16-13-4 W2M	13U 679540E 5550588N	--	0.20	--	--
SK-730	ephemeral/temporary marsh (Class I/Class II)	881.41 to 881.48	SE 16-13-4 W2M	13U 679699E 5550548N	--	0.12	seed mix	--
SK-731	ephemeral/temporary marsh (Class I/Class II)	881.60 to 881.62	SE 16-13-4 W2M	13U 679866E 5550535N	0.01	0.04	seed mix	--
SK-732	temporary marsh (Class II)	882.20 to 882.23	SW 15-13-4 W2M	13U 680412E 5550279N	--	0.03	seed mix	--
SK-733	seasonal marsh (Class III)	882.36 to 882.41	SW 15-13-4 W2M	13U 680567E 5550212N	--	0.16	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-734	seasonal marsh (Class III) wetland complex	883.71 to 883.80	NW 11-13-4 W2M	13U 681897E 5550046N	0.09	0.34	--	Associated with nonfish-bearing drainage (SK-WC99). <sup>5</sup>
SK-735	seasonal marsh (Class III) wetland complex	883.90 to 883.95	NW 11-13-4 W2M	13U 682074E 5550037N	0.03	0.21	--	--
SK-736	seasonal marsh (Class III)	885.05 to 885.15	NE 11-13-4 W2M	13U 683208E 5549828N	0.06	0.13	--	--
SK-737	seasonal marsh (Class III)	885.66 to 885.71	NW 12-13-4 W2M	13U 683795E 5549704N	0.04	0.08	--	--
SK-738	temporary marsh (Class II)	885.85 to 885.88	NW 12-13-4 W2M	13U 683967E 5549649N	0.03	0.14	seed mix	--
SK-739	seasonal marsh (Class III)	885.94 to 885.99	NW 12-13-4 W2M	13U 684068E 5549626N	0.05	0.25	--	Associated with nonfish-bearing drainage (SK-WC100). <sup>5</sup>
SK-740	temporary marsh (Class II)	886.09 to 886.13	NE 12-13-4 W2M	13U 684212E 5549614N	0.03	0.06	seed mix	--
SK-741	seasonal marsh (Class III)	886.26 to 886.32	NE 12-13-4 W2M	13U 684382E 5549558N	0.04	0.19	--	--
SK-742	seasonal marsh (Class III)	886.36 to 886.42	NE 12-13-4 W2M	13U 684479E 5549509N	--	0.15	--	--
SK-743	seasonal marsh (Class III)	886.47 to 886.50	NE 12-13-4 W2M	13U 684579E 5549520N	0.03	0.14	--	--
SK-744	seasonal marsh (Class III)	886.61 to 886.67	NE 12-13-4 W2M	13U 684717E 5549465N	--	0.09	--	--
SK-745	seasonal marsh (Class III)	886.86 to 886.91	SW 7-13-3 W2M	13U 684946E 5549431N	0.02	0.06	--	--
SK-746	seasonal marsh (Class III) wetland complex	887.27 to 887.36	SW 7-13-3 W2M	13U 685393E 5549348N	0.08	0.30	--	--
SK-747	seasonal marsh (Class III)	887.48 to 887.52	SW 7-13-3 W2M	13U 685565E 5549304N	0.03	0.12	--	--
SK-748	seasonal marsh (Class III)	887.69 to 887.79	SE 7-13-3 W2M	13U 685802E 5549257N	0.10	0.42	--	--
SK-749	semi-permanent marsh (Class IV) wetland complex	887.88 to 888.04	SE 7-13-3 W2M	13U 686003E 5549204N	0.12	0.77	watercourse concern <sup>5</sup>	Associated with a fish-bearing unnamed drainage to Montgomery Creek (SK-WC77). <sup>5</sup>
		887.98 to 887.99 <sup>3</sup>	SE 7-13-3 W2M	13U 686017E 5549107N	--	<0.01		
		888.11 to 888.14 <sup>3</sup>	SE 7-13-3 W2M	13U 686141E 5549005N	--	0.04		
SK-750	seasonal marsh (Class III)	888.16 to 888.25	SE 7-13-3 W2M	13U 686258E 5549172N	0.07	0.15	--	--
SK-751	seasonal marsh (Class III)	889.03 to 889.10	SW 8-13-3 W2M	13U 687095E 5548980N	0.06	0.26	rare plant concern <sup>4</sup>	Rare plant observed ( <i>crystalwort</i> , <i>Riccia fluitans</i> )). <sup>4</sup>
		889.05 to 889.11 <sup>3</sup>	SW 8-13-3 W2M	13U 687105E 5548929N	--	0.08		
SK-752	seasonal marsh (Class III)	889.95 to 890.08	NE 5-13-3 W2M	13U 688027E 5548779N	0.12	0.54	--	--
		890.03 to 890.08 <sup>3</sup>	NE 5-13-3 W2M	13U 688051E 5548700N	--	0.04		
SK-753	seasonal marsh (Class III)	890.73 to 890.77	NW 4-13-3 W2M	13U 688723E 5548544N	0.03	0.21	watercourse concern <sup>5</sup>	Associated with fish-bearing watercourse (Montgomery Creek; SK-WC78). Associated with unnamed tributary to Montgomery Creek (SK-WC79) <sup>5</sup>
		892.28 to 892.35	SW 3-13-3 W2M	13U 690199E 5548008N	0.03	0.25		
SK-754	temporary marsh (Class II)	892.19 to 892.22	NW 3-13-3 W2M	13U 690090E 5548066N	0.03	0.08	seed mix	--
SK-755	seasonal marsh (Class III)	892.96 to 893.17	SE 3-13-3 W2M	13U 690872E 5547769N	0.07	0.59	--	--
		893.21 to 893.26	SE 3-13-3 W2M	13U 691051E 5547698N	--	0.06		
SK-756	seasonal marsh (Class III)	893.63 to 893.69	SE 3-13-3 W2M	13U 691478E 5547621N	0.04	0.18	--	--
SK-757	temporary marsh (Class II)	894.03 to 894.07	SW 2-13-3 W2M	13U 691862E 5547540N	--	0.06	seed mix	--
SK-758	seasonal marsh (Class III)	894.12 to 894.20	SW 2-13-3 W2M	13U 691970E 5547536N	0.06	0.30	--	--
SK-759	seasonal marsh (Class III) wetland complex	895.03 to 895.13	NE 35-12-3 W2M	13U 692753E 5547241N	0.02	0.22	shrub staking wildlife concern <sup>6</sup>	Potential American bittern nesting waterbody. <sup>6</sup>
SK-760	ephemeral/temporary marsh (Class I/Class II)	897.15 to 897.33	NW 31-12-2 W2M	13U 694884E 5547009N	0.18	0.67	seed mix	--
SK-761	seasonal marsh (Class III) wetland complex	897.88 to 898.10	NW 31-12-2 W2M to NE 31-12-2 W2M	13U 695622E 5546852N	0.16	0.63	--	--
SK-762	seasonal marsh (Class III)	898.13 to 898.28	NE 31-12-2 W2M	13U 695834E 5546799N	0.13	0.45	--	--
SK-763	seasonal marsh (Class III)	898.50 to 898.58	NE 31-12-2 W2M	13U 696165E 5546717N	0.08	0.31	--	--
SK-764	broad-leaf treed swamp wetland complex	898.66 to 898.83	NE 31-12-2 W2M to SW 32-12-2 W2M	13U 696381E 5546645N	0.02	0.31	--	--
SK-765	seasonal marsh (Class III)	898.92 to 899.10	SW 32-12-2 W2M	13U 696572E 5546615N	0.05	0.38	--	--
SK-766	ephemeral/temporary marsh (Class I/Class II)	899.25 to 899.29	SW 32-12-2 W2M	13U 696867E 5546559N	0.03	0.06	seed mix	--
SK-767	open water pond (Class V) wetland complex	899.36 to 899.42	SW 32-12-2 W2M	13U 696985E 5546514N	0.03	0.15	--	--
SK-768	temporary marsh (Class II)	899.48 to 899.51	SW 32-12-2 W2M	13U 697084E 5546474N	--	0.06	seed mix	--
SK-769	seasonal marsh (Class III)	899.99 to 900.06	SE 32-12-2 W2M	13U 697601E 5546379N	0.06	0.18	--	--
SK-770	seasonal marsh (Class III)	900.32 to 900.37	SE 32-12-2 W2M	13U 697913E 5546291N	0.05	0.19	--	--
SK-771	open water pond (Class V) wetland complex	900.72 to 900.79	SW 33-12-2 W2M	13U 698301E 5546191N	0.04	0.25	wildlife concern <sup>6</sup>	Associated with nonfish-bearing drainage (SK-WC81). <sup>5</sup> Potential eared grebe nesting colony. Potential black tern nesting colony. Potential horned grebe nesting waterbody. <sup>6</sup>
		901.82 to 902.12	SE 33-12-2 W2M	13U 699425E 5546029N	0.28	1.07		
		902.63 to 902.67	SW 34-12-2 W2M	13U 700105E 5546021N	--	0.02		
		902.72 to 902.77	SW 34-12-2 W2M	13U 700198E 5546040N	--	0.01		
		902.90 to 902.97	SW 34-12-2 W2M	13U 700401E 5546072N	--	0.04		
SK-776a	seasonal marsh (Class III)	901.12 to 901.19	SW 33-12-2 W2M	13U 698691E 5546084N	0.06	0.16	--	--
SK-776b	seasonal marsh (Class III) wetland complex	901.13 to 901.14 <sup>2</sup>	SW 33-12-2 W2M	13U 698663E 5546059N	--	<0.01	--	--
		901.18 to 901.20 <sup>2</sup>	SW 33-12-2 W2M	13U 698715E 5546040N	--	<0.01		
		901.30 to 901.33 <sup>2</sup>	SW 33-12-2 W2M	13U 698835E 5545999N	--	0.02		
SK-777	seasonal marsh (Class III)	901.29 to 901.34	SW 33-12-2 W2M	13U 698847E 5546047N	--	0.01	--	--
SK-778	temporary marsh (Class II)	901.43 to 901.47	SE 33-12-2 W2M	13U 698956E 5545959N	--	0.03	seed mix	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-779	semi-permanent marsh (Class IV)	901.50 to 901.59	SE 33-12-2 W2M to NE 28-12-2 W2M	13U 699058E 5545933N	--	0.11	--	--
SK-780	seasonal marsh (Class III)	901.67 to 901.67²	NE 28-12-2 W2M	13U 699199E 5545861N	--	0.01	--	--
SK-781	temporary marsh (Class II)	901.83 to 901.86	SE 33-12-2 W2M	13U 699305E 5545989N	--	0.02	seed mix	--
SK-782	semi-permanent marsh (Class IV)	902.30 to 902.37²	SW 34-12-2 W2M	13U 699786E 5545979N	--	0.03	wildlife concern⁶	Potential horned grebe nesting waterbody.⁶
SK-783	seasonal marsh (Class III)	902.36 to 902.37	SW 34-12-2 W2M	13U 699815E 5546045N	--	<0.01	--	--
		902.40 to 902.41	SW 34-12-2 W2M	13U 699851E 5546038N	--	<0.01	--	--
SK-784	seasonal marsh (Class III)	902.47 to 902.55	SW 34-12-2 W2M	13U 699965E 5546001N	--	0.05	--	--
SK-785	open water pond (Class V)	903.10 to 903.17	SW 34-12-2 W2M to SE 34-12-2 W2M	13U 700547E 5546052N	0.03	0.08	wildlife concern⁶	Potential black tern nesting colony.⁶
		903.19 to 903.25	SE 34-12-2 W2M to NE 27-12-2 W2M	13U 700606E 5545998N	0.04	0.11	--	--
		903.35 to 903.39	NE 27-12-2 W2M	13U 700729E 5545904N	--	0.03	--	--
SK-786	seasonal marsh (Class III)	903.12 to 903.14	SE 34-12-2 W2M	13U 700523E 5546025N	--	<0.01	--	--
SK-787	seasonal marsh (Class III) wetland complex	903.23 to 903.28	NE 27-12-2 W2M	13U 700621E 5545948N	--	0.05	--	--
SK-788	semi-permanent marsh (Class IV) wetland complex	903.56 to 903.69	NE 27-12-2 W2M	13U 700913E 5545732N	0.12	0.38	wildlife concern⁶	Potential black tern nesting colony. Potential American bittern nesting waterbody. Potential eared grebe nesting colony.⁶
SK-789	seasonal marsh (Class III)	903.77 to 903.83	NE 27-12-2 W2M	13U 701080E 5545656N	0.02	0.06	--	--
SK-790	semi-permanent marsh (Class IV)	903.82 to 903.84	NE 27-12-2 W2M	13U 701089E 5545616N	--	<0.01	wildlife concern⁶	Potential black tern nesting colony.⁶
		903.95 to 904.01	NE 27-12-2 W2M	13U 701235E 5545566N	--	0.04	--	--
SK-791	temporary marsh (Class II)	904.05 to 904.09	NE 27-12-2 W2M	13U 701319E 5545532N	--	0.06	seed mix	--
SK-792	broad-leaf treed swamp	904.28 to 904.32	NW 26-12-2 W2M	13U 701553E 5545493N	--	0.01	rare plant concern⁴	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴
SK-793	ephemeral/temporary marsh (Class I/Class II)	904.45 to 904.52	NW 26-12-2 W2M	13U 701727E 5545451N	--	0.12	seed mix	--
SK-794	ephemeral/temporary marsh (Class I/Class II) wetland complex	904.88 to 904.94	NW 26-12-2 W2M	13U 702072E 5545336N	0.02	0.18	seed mix rare plant concern⁴	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴
SK-795	shrubby swamp	905.16 to 905.21	SW 26-12-2 W2M	13U 702105E 5545055N	0.01	0.04	--	--
SK-796	shrubby swamp	905.18 to 905.20	SW 26-12-2 W2M	13U 702067E 5545058N	--	<0.01	--	--
SK-797	seasonal marsh (Class III)	905.28 to 905.32	SW 26-12-2 W2M	13U 702105E 5544946N	0.03	0.06	shrub staking	--
SK-798	seasonal marsh (Class III)	905.49 to 905.54	SW 26-12-2 W2M to SE 26-12-2 W2M	13U 702199E 5544784N	--	0.04	shrub staking	--
		905.54 to 905.54	SE 26-12-2 W2M	13U 702226E 5544767N	--	<0.01	--	--
SK-799	semi-permanent marsh (Class IV)	905.55 to 905.78	SE 26-12-2 W2M	13U 702348E 5544759N	0.19	0.96	--	--
		905.63 to 905.64³	SE 26-12-2 W2M	13U 702314E 5544728N	--	<0.01	--	--
SK-800	seasonal marsh (Class III)	905.81 to 905.89	SE 26-12-2 W2M	13U 702533E 5544723N	0.04	0.11	--	--
		905.93 to 905.97	SE 26-12-2 W2M	13U 702635E 5544697N	--	0.02	--	--
SK-801	seasonal marsh (Class III)	905.83 to 905.84²	SE 26-12-2 W2M	13U 702511E 5544683N	--	<0.01	shrub staking	--
SK-802	semi-permanent marsh (Class IV) wetland complex	905.90 to 906.14	SE 26-12-2 W2M	13U 702742E 5544634N	--	0.33	--	--
SK-803	seasonal marsh (Class III)	906.16 to 906.22	SE 26-12-2 W2M	13U 702850E 5544594N	--	0.07	--	--
SK-804	seasonal marsh (Class III)	906.50 to 906.52²	SW 25-12-2 W2M	13U 703156E 5544485N	--	0.01	--	--
SK-805	open water pond (Class V) wetland complex	906.62 to 906.70	NW 24-12-2 W2M	13U 703313E 5544485N	--	0.06	wildlife concern⁶	Potential black tern nesting colony. Potential eared grebe nesting colony.⁶
		907.10 to 907.34	NW 24-12-2 W2M to NE 24-12-2 W2M	13U 703853E 5544320N	0.22	0.93	--	--
SK-806	seasonal marsh (Class III)	906.76 to 906.83	NW 24-12-2 W2M	13U 703434E 5544411N	--	0.18	--	--
SK-807	ephemeral/temporary marsh (Class I/Class II)	907.55 to 907.62	NE 24-12-2 W2M	13U 704167E 5544168N	--	0.08	seed mix	--
SK-809	seasonal marsh (Class III) wetland complex	907.92 to 907.96	NE 24-12-2 W2M	13U 704466E 5543989N	0.01	0.07	--	--
SK-811	seasonal marsh (Class III)	908.22 to 908.34	NW 19-12-1 W2M	13U 704795E 5543958N	0.08	0.43	--	--
SK-813	semi-permanent marsh (Class IV)	908.33 to 908.48	NW 19-12-1 W2M	13U 704947E 5543967N	0.10	0.37	wildlife concern⁶	Potential black tern nesting colony.⁶
SK-815	semi-permanent marsh (Class IV)	908.67 to 908.82	NW 19-12-1 W2M	13U 705241E 5543889N	0.05	0.44	--	--
		908.73 to 908.73³	NW 19-12-1 W2M	13U 705220E 5543859N	--	<0.01	--	--
SK-816	semi-permanent marsh (Class IV) wetland complex	908.88 to 909.01	NW 19-12-1 W2M	13U 705460E 5543822N	0.03	0.30	--	--
SK-817	seasonal marsh (Class III)	909.18 to 909.23	NE 19-12-1 W2M to SE 19-12-1 W2M	13U 705689E 5543753N	0.05	0.19	--	--
SK-818	seasonal marsh (Class III)	909.30 to 909.34³	SE 19-12-1 W2M	13U 705769E 5543653N	--	0.01	--	--
		909.30 to 909.40	SE 19-12-1 W2M	13U 705830E 5543701N	0.06	0.31	--	--
SK-819	temporary marsh (Class II)	909.48 to 909.53	SE 19-12-1 W2M	13U 705962E 5543637N	--	0.10	seed mix	--
SK-820	temporary marsh (Class II)	909.64 to 909.67²	SE 19-12-1 W2M	13U 706104E 5543574N	--	0.02	seed mix	--
SK-821	seasonal marsh (Class III)	909.89 to 909.91²	SE 19-12-1 W2M	13U 706330E 5543484N	--	<0.01	--	--
SK-822	semi-permanent marsh (Class IV)	910.69 to 910.93	SW 20-12-1 W2M to NW 17-12-1 W2M	13U 707034E 5542991N	0.11	0.80	wildlife concern⁶	Potential black tern nesting colony.⁶
SK-823	ephemeral/temporary marsh (Class I/Class II)	911.04 to 911.10	NE 17-12-1 W2M	13U 707287E 5542962N	0.03	0.22	seed mix	--
SK-824	ephemeral/temporary marsh (Class I/Class II)	911.23 to 911.27	NE 17-12-1 W2M	13U 707465E 5542988N	0.03	0.05	seed mix	--
SK-825	seasonal marsh (Class III)	911.45 to 911.50	NE 17-12-1 W2M	13U 707690E 5542996N	0.04	0.08	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-826	open water pond (Class V) wetland complex	911.66 to 911.87	NE 17-12-1 W2M to NW 16-12-1 W2M	13U 707965E 5542916N	0.18	0.95	potentially navigable wetland⁷	Associated with nonfish-bearing drainage (SK-WC84).⁵ Wetland is identified as potentially navigable.
SK-827	ephemeral/temporary marsh (Class I/Class II)	911.96 to 912.02	NW 16-12-1 W2M	13U 708186E 5542859N	0.05	0.11	seed mix	--
SK-828	semi-permanent marsh (Class IV)	912.08 to 912.53	NW 16-12-1 W2M	13U 708467E 5542639N	0.42	2.71	wildlife concern⁶	Potential black tern nesting colony. ⁶
SK-829	semi-permanent marsh (Class IV)	912.59 to 912.79	NW 16-12-1 W2M to NE 16-12-1 W2M	13U 708826E 5542601N	0.10	0.72	--	--
SK-830	ephemeral/temporary marsh (Class I/Class II)	912.93 to 912.94²	NE 16-12-1 W2M	13U 709053E 5542459N	--	0.01	seed mix	--
SK-831	ephemeral/temporary marsh (Class I/Class II)	912.95 to 913.00	NE 16-12-1 W2M	13U 709082E 5542566N	0.04	0.11	seed mix	--
SK-832	open water pond (Class V) wetland complex	913.11 to 913.39	NE 16-12-1 W2M	13U 709368E 5542475N	0.27	1.07	--	--
SK-833	seasonal marsh (Class III)	913.59 to 913.62²	NW 15-12-1 W2M	13U 709692E 5542388N	--	0.01	--	--
SK-834	seasonal marsh (Class III)	913.67 to 913.77	NW 15-12-1 W2M to SW 15-12-1 W2M	13U 709790E 5542317N	0.07	0.43	--	--
SK-835	ephemeral/temporary marsh (Class I/Class II)	913.87 to 913.87²	SW 15-12-1 W2M	13U 709975E 5542257N	--	0.02	seed mix	--
SK-836	ephemeral/temporary marsh (Class I/Class II)	913.90 to 913.93	SW 15-12-1 W2M	13U 709897E 5542177N	--	0.07	seed mix	--
SK-837	ephemeral/temporary marsh (Class I/Class II)	913.97 to 914.00	SW 15-12-1 W2M	13U 709964E 5542154N	--	0.03	seed mix	--
SK-838	ephemeral/temporary marsh (Class I/Class II)	914.03 to 914.06²	SW 15-12-1 W2M	13U 710022E 5542124N	--	0.01	seed mix	--
SK-839	ephemeral/temporary marsh (Class I/Class II)	914.08 to 914.12	SW 15-12-1 W2M	13U 710084E 5542134N	0.04	0.11	seed mix	--
SK-840	ephemeral/temporary marsh (Class I/Class II)	914.19 to 914.23	SW 15-12-1 W2M	13U 710181E 5542081N	0.02	0.10	seed mix	--
SK-841	seasonal marsh (Class III)	914.44 to 914.50	SW 15-12-1 W2M	13U 710429E 5542003N	0.05	0.09	--	--
SK-842	seasonal marsh (Class III)	914.67 to 914.76	SE 15-12-1 W2M	13U 710655E 5541912N	0.03	0.09	--	--
SK-843	broad-leaf treed swamp	914.68 to 914.72	SE 15-12-1 W2M	13U 710629E 5541889N	--	0.06	--	--
SK-844	semi-permanent marsh (Class IV) wetland complex	914.91 to 915.10	SE 15-12-1 W2M	13U 710915E 5541773N	0.04	0.50	--	--
		915.16 to 915.43	SE 15-12-1 W2M	13U 711157E 5541672N	0.08	0.76		
SK-845	ephemeral/temporary marsh (Class I/Class II)	915.53 to 915.60²	SW 14-12-1 W2M to NW 11-12-1 W2M	13U 711464E 5541626N	--	0.10	seed mix	--
SK-846	seasonal marsh (Class III)	915.64 to 915.70	NW 11-12-1 W2M	13U 711537E 5541531N	0.03	0.17	rare plant concern⁴	Rare plant observed (tall beggar's-ticks, <i>Bidens frondosa</i> ).⁴
SK-847	shrubby swamp wetland complex	915.91 to 916.13	NW 11-12-1 W2M	13U 711811E 5541418N	0.13	0.63	--	--
		916.25 to 916.30	NW 11-12-1 W2M	13U 712088E 5541307N	0.03	0.13		
		916.35 to 916.43	NE 11-12-1 W2M	13U 712212E 5541256N	0.06	0.26		
		916.47 to 916.50	NE 11-12-1 W2M	13U 712281E 5541204N	--	0.01		
		916.53 to 916.64	NE 11-12-1 W2M	13U 712381E 5541177N	0.03	0.22		
		916.65 to 916.71	NE 11-12-1 W2M	13U 712468E 5541136N	--	0.11		
SK-848	temporary marsh (Class II)	916.14 to 916.22	NW 11-12-1 W2M	13U 712009E 5541347N	0.08	0.14	seed mix	--
SK-849	seasonal marsh (Class III)	917.01 to 917.07	NE 11-12-1 W2M	13U 712801E 5541006N	0.03	0.18	wildlife concern⁶	Associated with nonfish-bearing drainage (SK-WC85).⁵ Potential American bittern nesting waterbody. ⁶
SK-850	seasonal marsh (Class III)	917.40 to 917.45	NW 12-12-1 W2M	13U 713162E 5540879N	0.04	0.08	--	--
SK-851	semi-permanent marsh (Class IV) wetland complex	917.65 to 917.82	SW 12-12-1 W2M	13U 713446E 5540748N	0.16	0.60	--	--
SK-852	semi-permanent marsh (Class IV) wetland complex	917.81 to 917.83	SW 12-12-1 W2M	13U 713471E 5540590N	--	<0.01	--	Wetland is crossed exclusively by an access road/shoo-fly.³
		917.99 to 918.00	SW 12-12-1 W2M	13U 713645E 5540550N	--	0.01		
SK-853	seasonal marsh (Class III)	917.84 to 917.88	SW 12-12-1 W2M	13U 713545E 5540670N	--	0.12	--	--
SK-854	broad-leaf treed swamp	917.92 to 917.94	SW 12-12-1 W2M	13U 713616E 5540654N	--	0.05	--	--
SK-855	seasonal marsh (Class III) wetland complex	918.02 to 918.13	SW 12-12-1 W2M	13U 713775E 5540632N	--	0.07	--	--
SK-856	temporary marsh (Class II)	918.19 to 918.22	SE 12-12-1 W2M	13U 713874E 5540542N	--	0.02	seed mix	--
SK-857	seasonal marsh (Class III)	918.26 to 918.30	SE 12-12-1 W2M	13U 713961E 5540559N	--	<0.01	--	--
		918.29 to 918.40	SE 12-12-1 W2M	13U 714000E 5540509N	0.02	0.27		
		918.51 to 918.61	SE 12-12-1 W2M	13U 714211E 5540421N	0.03	0.27		
SK-858	temporary marsh (Class II)	918.71 to 918.80	SE 12-12-1 W2M	13U 714386E 5540369N	0.06	0.20	seed mix	--
SK-859	ephemeral/temporary marsh (Class I/Class II)	918.99 to 919.03	SE 12-12-1 W2M	13U 714613E 5540235N	--	0.05	seed mix	--
SK-860	seasonal marsh (Class III)	919.10 to 919.16	SE 1-12-34 WPM	13U 714754E 5540222N	0.05	0.16	--	--
		919.18 to 919.19	SE 1-12-34 WPM	13U 714775E 5540168N	--	<0.01		
SK-861	ephemeral/temporary marsh (Class I/Class II)	919.38 to 919.41	SE 1-12-34 WPM	13U 714987E 5540134N	--	0.03	seed mix	--
SK-862	broad-leaf treed swamp	919.62 to 919.66	SE 1-12-34 WPM	14U 284991E 5539995N	--	0.05	--	--
SK-863	open water pond (Class V) wetland complex	920.72 to 920.95	NE 31-11-33 WPM	14U 286080E 5539513N	0.12	0.63	--	--
SK-864	shrubby swamp wetland complex	921.01 to 921.15	NE 31-11-33 WPM	14U 286325E 5539394N	0.07	0.48	--	--
SK-865	seasonal marsh (Class III) wetland complex	921.19 to 921.36	NE 31-11-33 WPM	14U 286491E 5539327N	0.17	0.57	--	--
SK-866	seasonal marsh (Class III)	921.56 to 921.60	NW 32-11-33 WPM	14U 286754E 5539177N	--	0.08	--	--
SK-867	seasonal marsh (Class III)	921.67 to 921.72	NW 32-11-33 WPM	14U 286868E 5539155N	0.05	0.16	wildlife concern⁶	Potential black tern nesting colony.⁶
SK-868	seasonal marsh (Class III)	922.26 to 922.33	SW 32-11-33 WPM	14U 287411E 5538888N	0.03	0.13	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-869	semi-permanent marsh (Class IV)	922.43 to 922.50	SE 32-11-33 WPM	14U 287566E 5538827N	0.07	0.32	--	--
		922.66 to 922.75	SE 32-11-33 WPM	14U 287788E 5538742N	0.05	0.11		
SK-870	open water pond (Class V) wetland complex	923.32 to 923.37	SW 33-11-33 WPM	14U 288362E 5538453N	0.04	0.24	--	Associated with nonfish-bearing drainage (SK-WC86). <sup>5</sup>
SK-871	temporary marsh (Class II)	923.50 to 923.54	SW 33-11-33 WPM	14U 288512E 5538362N	--	0.09	seed mix	--
SK-872	temporary marsh (Class II)	923.96 to 924.01	SW 33-11-33 WPM	14U 288940E 5538189N	--	0.06	seed mix	--
SK-873	ephemeral/temporary marsh (Class I/Class II)	925.10 to 925.14 <sup>2</sup>	NW 27-11-33 WPM	14U 289992E 5537750N	--	0.03	seed mix	--
SK-874	semi-permanent marsh (Class IV) wetland complex	926.34 to 926.50	SE 27-11-33 WPM	14U 291204E 5537260N	--	0.30	watercourse concern <sup>5</sup>	Associated with fish-bearing watercourse (Little Pipestone Creek; SK-WC87). <sup>5</sup>
		926.58 to 926.63	SE 27-11-33 WPM	14U 291358E 5537178N	--	0.02		
		926.71 to 926.78	SE 27-11-33 WPM	14U 291484E 5537128N	0.05	0.32		
		926.91 to 927.03	SW 26-11-33 WPM	14U 291641E 5537022N	0.04	0.12		
		927.19 to 927.26	SW 26-11-33 WPM	14U 291842E 5536818N	0.04	0.31		
SK-875	shrubby swamp wetland complex	927.40 to 927.60	SW 26-11-33 WPM	14U 292080E 5536656N	0.11	0.70	--	--
SK-876	semi-permanent marsh (Class IV) wetland complex	928.31 to 928.37	NE 23-11-33 WPM	14U 292827E 5536282N	0.05	0.17	--	--
		928.37 to 928.37 <sup>3</sup>	NE 23-11-33 WPM	14U 292836E 5536234N	--	<0.01		
		928.44 to 929.07	NE 23-11-33 WPM to NW 24-11-33 WPM	14U 293175E 5536086N	0.38	2.47		
		928.45 to 928.48 <sup>3</sup>	NE 23-11-33 WPM	14U 292804E 5535966N	--	0.09		
		928.46 to 928.51	NE 23-11-33 WPM	14U 292963E 5536235N	--	<0.01		
		928.49 to 928.49 <sup>3</sup>	NE 23-11-33 WPM	14U 292860E 5536026N	--	<0.01		
		928.57 to 928.62 <sup>3</sup>	NE 23-11-33 WPM	14U 292830E 5535733N	--	0.07		
		928.68 to 928.80 <sup>3</sup>	NE 23-11-33 WPM to NW 24-11-33 WPM	14U 292917E 5535579N	--	0.20		
		928.89 to 929.02 <sup>3</sup>	NW 24-11-33 WPM	14U 293038E 5535401N	--	0.14		
		929.04 to 929.22 <sup>3</sup>	NW 24-11-33 WPM	14U 293302E 5535450N	--	0.53		
		929.05 to 929.21	NW 24-11-33 WPM	14U 293542E 5535917N	0.14	0.54		
SK-877	ephemeral/temporary marsh (Class I/Class II)	929.93 to 929.97	SE 24-11-33 WPM	14U 294243E 5535528N	--	0.03	seed mix	--
SK-878	seasonal marsh (Class III)	930.02 to 930.18	SE 24-11-33 WPM	14U 294388E 5535481N	0.13	0.58	--	--
SK-879	seasonal marsh (Class III)	930.50 to 930.58	SE 24-11-33 WPM to SW 19-11-32 WPM	14U 294749E 5535269N	--	0.08	shrub staking	--
SK-880	ephemeral/temporary marsh (Class I/Class II)	930.73 to 930.81	SW 19-11-32 WPM	14U 294983E 5535173N	--	0.18	seed mix	--
SK-881	seasonal marsh (Class III)	931.37 to 931.67	SW 19-11-32 WPM to NE 18-11-32 WPM	14U 295637E 5534844N	0.23	1.14	--	--
		932.36 to 932.51	NE 18-11-32 WPM to NW 17-11-32 WPM	14U 296474E 5534416N	0.12	0.69		
		933.98 to 934.15	SE 17-11-32 WPM	14U 297913E 5533667N	--	0.23		
SK-882	seasonal marsh (Class III) wetland complex	931.80 to 931.85	NE 18-11-32 WPM	14U 295939E 5534718N	--	0.02	--	--
SK-883	seasonal marsh (Class III)	933.51 to 933.58	SE 17-11-32 WPM	14U 297456E 5533911N	--	0.13	--	--
SK-884	semi-permanent marsh (Class IV) wetland complex	934.18 to 934.42	SW 16-11-32 WPM	14U 298132E 5533588N	0.15	0.47	--	--
		934.50 to 935.00	SW 16-11-32 WPM	14U 298610E 5533333N	0.19	1.17		
		935.10 to 935.37	SE 16-11-32 WPM	14U 298973E 5533145N	0.24	1.23		
SK-885	ephemeral/temporary marsh (Class I/Class II)	934.59 to 934.70	SW 16-11-32 WPM	14U 298429E 5533406N	--	0.22	seed mix	--
SK-886	seasonal marsh (Class III)	935.52 to 935.59	NE 9-11-32 WPM	14U 299245E 5532997N	0.03	0.26	--	--
SK-887	seasonal marsh (Class III)	935.65 to 935.73	NE 9-11-32 WPM	14U 299372E 5532947N	0.04	0.20	--	--
SK-888	seasonal marsh (Class III)	935.86 to 935.95	NE 9-11-32 WPM	14U 299557E 5532869N	0.06	0.10	--	--
SK-889	seasonal marsh (Class III)	936.35 to 936.46	NW 10-11-32 WPM	14U 299901E 5532492N	0.07	0.34	--	--
SK-890	ephemeral/temporary marsh (Class I/Class II)	936.63 to 936.70	NW 10-11-32 WPM	14U 300062E 5532293N	0.06	0.10	seed mix	--
SK-891	ephemeral/temporary marsh (Class I/Class II)	936.72 to 936.74 <sup>3</sup>	NW 10-11-32 WPM	14U 300066E 5532211N	--	<0.01	seed mix	--
SK-892	temporary marsh (Class II)	936.77 to 936.82	NW 10-11-32 WPM to SW 10-11-32 WPM	14U 300132E 5532183N	0.01	0.06	seed mix	--
SK-893	seasonal marsh (Class III) wetland complex	936.92 to 937.31	SW 10-11-32 WPM to SE 10-11-32 WPM	14U 300381E 5532004N	0.31	1.41	--	--
SK-894	ephemeral/temporary marsh (Class I/Class II)	937.42 to 937.45	SE 10-11-32 WPM	14U 300655E 5531816N	--	0.03	seed mix	--
SK-895	open water pond (Class V)	938.05 to 938.24	SE 10-11-32 WPM to SW 11-11-32 WPM	14U 301264E 5531451N	0.13	0.71	--	--
SK-896	ephemeral/temporary marsh (Class I/Class II) wetland complex	938.45 to 938.54	NW 2-11-32 WPM	14U 301567E 5531282N	0.06	0.13	seed mix	--
SK-897	semi-permanent marsh (Class IV)	938.78 to 938.94	NW 2-11-32 WPM	14U 301857E 5531078N	0.08	0.33	--	--
SK-898	ephemeral/temporary marsh (Class I/Class II)	939.37 to 939.40	NE 2-11-32 WPM	14U 302296E 5530772N	--	0.01	seed mix	--
SK-899	seasonal marsh (Class III)	940.11 to 940.27	SW 1-11-32 WPM	14U 302995E 5530361N	0.11	0.58	--	--
SK-900	seasonal marsh (Class III)	940.94 to 941.00	SW 1-11-32 WPM to SE 1-11-32 WPM	14U 303641E 5529945N	--	0.13	--	--
		941.06 to 941.43	SE 1-11-32 WPM	14U 303869E 5529809N	0.21	1.17		
SK-901	temporary marsh (Class II)	942.52 to 942.53	NE 35-10-32 WPM	14U 305079E 5529474N	--	<0.01	seed mix	--
SK-902	semi-permanent marsh (Class IV) wetland complex	942.75 to 943.09	NW 36-10-32 WPM	14U 305467E 5529432N	0.32	1.74	wildlife concern <sup>6</sup>	Potential black tern nesting colony. <sup>6</sup>
		943.63 to 944.07	NE 36-10-32 WPM	14U 306369E 5529350N	0.38	1.94		

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-903	shrubby swamp	944.17 to 944.23	NE 36-10-32 WPM to NW 31-10-31 WPM	14U 306682E 5529169N	--	0.13	--	--
SK-904	seasonal marsh (Class III)	944.92 to 945.12²	NW 31-10-31 WPM to NE 31-10-31 WPM	14U 307443E 5528833N	0.15	0.59	--	--
		945.19 to 945.19²	NE 31-10-31 WPM	14U 307582E 5528750N	--	<0.01		
SK-905	seasonal marsh (Class III)	945.49 to 945.64	SE 31-10-31 WPM	14U 307906E 5528591N	0.08	0.43	--	--
		945.75 to 945.95	SE 31-10-31 WPM	14U 308175E 5528453N	0.20	0.94		
SK-906	ephemeral/temporary marsh (Class I/Class II)	946.08 to 946.11	SW 32-10-31 WPM	14U 308394E 5528361N	0.02	0.05	seed mix	--
SK-907	ephemeral/temporary marsh (Class I/Class II)	946.09 to 946.12	SW 32-10-31 WPM	14U 308383E 5528315N	--	0.05	seed mix	--
SK-908	semi-permanent marsh (Class IV) wetland complex	946.32 to 946.39	SW 32-10-31 WPM	14U 308596E 5528216N	0.06	0.15	--	--
		946.42 to 946.49	SW 32-10-31 WPM	14U 308668E 5528164N	0.05	0.22		
		946.52 to 946.61	SW 32-10-31 WPM	14U 308765E 5528094N	0.04	0.26		
		946.64 to 946.68	SW 32-10-31 WPM	14U 308866E 5528061N	--	0.03		
		946.69 to 946.69	SW 32-10-31 WPM	14U 308902E 5528050N	--	<0.01		
		946.72 to 947.31	SW 32-10-31 WPM to SE 32-10-31 WPM	14U 308937E 5527806N	0.37	1.93		
SK-909	seasonal marsh (Class III)	947.51 to 947.87	NE 29-10-31 WPM to NW 28-10-31 WPM	14U 309817E 5527614N	0.31	1.54	--	--
SK-910	ephemeral marsh (Class I)	948.30 to 948.35	NW 28-10-31 WPM	14U 310364E 5527317N	--	0.06	seed mix	--
SK-911	semi-permanent marsh (Class IV)	948.50 to 948.91	NW 28-10-31 WPM to NE 28-10-31 WPM	14U 310709E 5527157N	0.39	2.07	rare plant concern⁴	Rare plant observed (crystalwort, <i>Riccia fluitans</i> ).⁴
SK-912	temporary marsh (Class II)	949.03 to 949.08	NE 28-10-31 WPM	14U 311027E 5527007N	0.03	0.09	seed mix	--
SK-913	ephemeral/temporary marsh (Class I/Class II)	949.15 to 949.19	NE 28-10-31 WPM	14U 311131E 5526952N	0.03	0.09	seed mix	--
SK-914	ephemeral/temporary marsh (Class I/Class II)	949.34 to 949.44	SE 28-10-31 WPM	14U 311322E 5526849N	0.08	0.37	seed mix	--
SK-915	ephemeral/temporary marsh (Class I/Class II)	949.88 to 949.91	SW 27-10-31 WPM	14U 311767E 5526606N	--	0.03	seed mix	--
SK-916	open water pond (Class V) wetland complex	949.96 to 950.19	SW 27-10-31 WPM	14U 311927E 5526539N	0.22	1.02	--	--
		951.37 to 951.51	NE 22-10-31 WPM to NW 23-10-31 WPM	14U 313110E 5525875N	0.11	0.71		
		953.03 to 953.14	NE 23-10-31 WPM	14U 314593E 5525252N	0.02	0.08		
		953.22 to 953.27	NE 23-10-31 WPM to NW 24-10-31 WPM	14U 314753E 5525236N	--	0.16		
		953.68 to 953.75	NW 24-10-31 WPM	14U 315189E 5525074N	--	0.07		
		953.76 to 953.93	SW 24-10-31 WPM	14U 315323E 5525051N	0.10	0.53		
		954.16 to 954.20	SE 24-10-31 WPM	14U 315628E 5524917N	--	0.04		
		954.17 to 954.18	SE 24-10-31 WPM	14U 315630E 5524928N	--	<0.01		
		954.34 to 954.41	SE 24-10-31 WPM	14U 315816E 5524884N	0.05	0.25		
		955.95 to 956.03	SE 19-10-30 WPM	14U 317344E 5524366N	0.01	0.09		
		956.18 to 956.21	SE 19-10-30 WPM	14U 317552E 5524297N	0.02	0.08		
SK-917	ephemeral/temporary marsh (Class I/Class II)	950.42 to 950.45	SW 27-10-31 WPM	14U 312267E 5526393N	--	<0.01	seed mix	--
SK-918	ephemeral/temporary marsh (Class I/Class II)	950.58 to 950.65	SE 27-10-31 WPM	14U 312425E 5526304N	0.05	0.11	seed mix	--
SK-919	ephemeral/temporary marsh (Class I/Class II)	950.82 to 950.89	SE 27-10-31 WPM	14U 312633E 5526166N	--	0.07	seed mix	--
SK-920	seasonal marsh (Class III)	951.67 to 951.79	NW 23-10-31 WPM	14U 313382E 5525802N	0.08	0.32	--	--
SK-921	temporary marsh (Class II)	953.91 to 953.97	SW 24-10-31 WPM	14U 315425E 5525037N	0.03	0.06	seed mix	--
SK-922	ephemeral/temporary marsh (Class I/Class II)	954.09 to 954.12	SW 24-10-31 WPM to SE 24-10-31 WPM	14U 315573E 5524986N	0.02	0.05	seed mix	--
SK-923	temporary marsh (Class II)	954.62 to 954.89	SE 24-10-31 WPM	14U 316195E 5524749N	0.06	0.67	seed mix	--
SK-924	seasonal marsh (Class III)	955.23 to 955.26	SW 19-10-30 WPM	14U 316643E 5524592N	--	0.03	--	--
SK-925	seasonal marsh (Class III)	955.32 to 955.34	SW 19-10-30 WPM	14U 316719E 5524557N	--	<0.01	--	--
SK-926	seasonal marsh (Class III)	955.42 to 955.50	SW 19-10-30 WPM	14U 316849E 5524531N	--	0.18	--	--
SK-927	seasonal marsh (Class III)	956.38 to 956.61	SE 19-10-30 WPM to NE 18-10-30 WPM	14U 317866E 5524179N	0.05	0.46	--	--
SK-928	seasonal marsh (Class III)	956.77 to 956.78	NW 17-10-30 WPM	14U 318091E 5524087N	--	0.02	wildlife concern⁶	Potential American bittern nesting waterbody. ⁶
		956.79 to 956.84	NW 17-10-30 WPM	14U 318134E 5524089N	--	0.05		
SK-929	seasonal marsh (Class III)	956.86 to 956.88	NW 17-10-30 WPM	14U 318181E 5524078N	--	0.04	--	--
SK-930	seasonal marsh (Class III)	956.98 to 957.02	NW 17-10-30 WPM	14U 318297E 5524034N	--	0.04	wildlife concern⁶	Potential northern leopard frog breeding waterbody. ⁶
		957.04 to 957.11	NW 17-10-30 WPM	14U 318383E 5524008N	--	0.15		
SK-931	temporary marsh (Class II)	957.12 to 957.16	NW 17-10-30 WPM	14U 318437E 5523994N	0.02	0.12	seed mix	--
SK-932	seasonal marsh (Class III)	957.18 to 957.27	NW 17-10-30 WPM	14U 318524E 5523982N	0.07	0.21	wildlife concern⁶	Potential northern leopard frog breeding waterbody. ⁶
SK-933	seasonal marsh (Class III)	957.33 to 957.38	NW 17-10-30 WPM	14U 318650E 5523929N	0.05	0.24	--	--
SK-934	ephemeral/temporary marsh (Class I/Class II)	957.40 to 957.45	NW 17-10-30 WPM	14U 318703E 5523894N	--	0.08	seed mix	--
SK-935	semi-permanent marsh (Class IV) wetland complex	957.49 to 957.66	NW 17-10-30 WPM to NE 17-10-30 WPM	14U 318851E 5523817N	0.08	0.58	--	--
SK-936	seasonal marsh (Class III)	957.75 to 957.84	NE 17-10-30 WPM	14U 319031E 5523723N	0.08	0.37	shrub staking	--
SK-937	seasonal marsh (Class III)	957.91 to 958.00	NE 17-10-30 WPM	14U 319171E 5523641N	0.08	0.37	shrub staking	--
SK-938	seasonal marsh (Class III)	958.06 to 958.12	NE 17-10-30 WPM	14U 319285E 5523571N	0.05	0.22	--	--

TABLE 6SK Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End <sup>1</sup>	Legal Location of Construction within Wetland	Centroid UTM <sup>1</sup>	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site-Specific Mitigation	Comments
SK-939	ephemeral/temporary marsh (Class I/Class II)	958.44 to 958.50	NE 17-10-30 WPM to NW 16-10-30 WPM	14U 319621E 5523389N	0.06	0.16	seed mix	--
SK-940	ephemeral/temporary marsh (Class I/Class II)	958.55 to 958.58	NW 16-10-30 WPM	14U 319700E 5523338N	0.03	0.07	seed mix	--
SK-941	semi-permanent marsh (Class IV) wetland complex	958.85 to 959.18	SW 16-10-30 WPM	14U 320050E 5523124N	0.11	0.79	wildlife concern <sup>6</sup>	Potential northern leopard frog breeding waterbody. <sup>6</sup>
		959.18 to 959.19	SW 16-10-30 WPM	14U 320211E 5522998N	--	<0.01		
SK-942	seasonal marsh (Class III)	959.17 to 959.19	SW 16-10-30 WPM	14U 320183E 5522942N	--	<0.01	shrub staking	Wetland is crossed exclusively by an access road/shoo-fly. <sup>3</sup>
SK-943	ephemeral/temporary marsh (Class I/Class II)	959.71 to 959.75	SE 16-10-30 WPM	14U 320698E 5522743N	--	0.10	seed mix	--
SK-944	seasonal marsh (Class III) wetland complex	959.81 to 959.94	SE 16-10-30 WPM	14U 320815E 5522681N	0.06	0.36	shrub staking watercourse concern <sup>5</sup>	Associated with fish-bearing watercourse (Stony Creek; SK-WC89) and a nonfish-bearing drainage (SK-WC90). <sup>5</sup>
		959.96 to 959.97	SE 16-10-30 WPM	14U 320908E 5522625N	--	0.01		
		960.42 to 960.49	SW 15-10-30 WPM	14U 321348E 5522418N	--	0.02		
		960.51 to 960.52	NW 10-10-30 WPM	14U 321405E 5522392N	--	<0.01		
		960.66 to 960.76	NW 10-10-30 WPM	14U 321593E 5522347N	0.01	0.12		
		961.56 to 961.59	NE 10-10-30 WPM	14U 322390E 5522003N	<0.01	0.08		
		963.00 to 963.08	SE 11-10-30 WPM	14U 323739E 5521441N	0.05	0.28		
		963.11 to 963.16	SE 11-10-30 WPM	14U 323826E 5521401N	0.03	0.19		
		964.69 to 964.76	SW 12-10-30 WPM to SE 12-10-30 WPM	14U 325281E 5520781N	--	0.09		
		964.80 to 964.87	SE 12-10-30 WPM	14U 325384E 5520733N	--	0.12		
SK-945	seasonal marsh (Class III)	960.21 to 960.28	SE 16-10-30 WPM	14U 321173E 5522535N	0.06	0.21	--	--
SK-946	broad-leaf treed swamp	962.16 to 962.21	NW 11-10-30 WPM	14U 322953E 5521752N	--	0.04	--	--
SK-947	temporary marsh (Class II)	962.33 to 962.36	NW 11-10-30 WPM	14U 323111E 5521734N	--	0.01	seed mix	--
SK-948	seasonal marsh (Class III)	962.46 to 962.50	NW 11-10-30 WPM	14U 323210E 5521648N	--	0.05	--	--
SK-949	temporary marsh (Class II)	962.95 to 962.97	SE 11-10-30 WPM	14U 323662E 5521465N	--	0.02	seed mix	--
SK-950	ephemeral marsh (Class I)	963.23 to 963.32	SE 11-10-30 WPM	14U 323935E 5521342N	--	0.09	seed mix	--
SK-951	broad-leaf treed swamp	964.94 to 964.98	SE 12-10-30 WPM	14U 325499E 5520687N	--	0.09	--	--
SK-952	ephemeral/temporary marsh (Class I/Class II)	965.23 to 965.27	NE 1-10-30 WPM	14U 325774E 5520568N	--	0.06	seed mix	--
SK-953	broad-leaf treed swamp wetland complex	965.45 to 965.48	NE 1-10-30 WPM	14U 325971E 5520494N	0.03	0.15	--	--
SK-954	seasonal marsh (Class III)	965.51 to 965.54	NE 1-10-30 WPM	14U 326026E 5520457N	--	0.04	--	--
		965.54 to 965.56	NE 1-10-30 WPM	14U 326044E 5520443N	--	0.01		

Notes: Wetlands listed include those that are crossed by the construction right-of-way and/or extra temporary workspaces (e.g., for laydown areas, temporary access roads, shoo-flies, etc.). Wetlands that are located internal to the boundaries of pump stations/terminals are shown on the environmental photomosaics.

- 1
- The delineated start and end locations provided are intended to identify the transition zone as accurately as possible and were derived during the desktop mapping exercise. Centroid UTMs are specific to the area of disturbance by the replacement pipeline route at each wetland crossing.
- 2
- Wetland crossing is located on extra temporary workspace.
- 3
- Wetland crossing is located on an access road/shoo-fly location or laydown area.
- 4
- Rare plant occurrence and site-specific mitigation details are provided in Table 7 of these EAS Index Sheets.
- 5
- Watercourse associations and site-specific mitigation details are provided in Table 4 of these EAS Index Sheets.
- 6
- Wildlife observations, wildlife habitat descriptions and site-specific mitigation details are provided in Table 5 of these EAS Index Sheets.
- 7
- Implement measures outlined in sections 5.0 and 7.8 of the Pipeline EPP at potentially navigable wetland crossings.



TABLE 6MB

WETLANDS ENCOUNTERED ALONG THE LINE 3 REPLACEMENT PIPELINE ROUTE IN MANITOBA

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site Specific Mitigation	Comments
MB-001	seasonal marsh (Class III)	965.64 to 965.73	NW 6-10-29 WPM	14U 326171E 5520407N	0.02	0.28	--	--
MB-002	seasonal marsh (Class III)	965.92 to 965.96	NW 6-10-29 WPM	14U 326419E 5520328N	0.03	0.07	--	--
MB-003	seasonal marsh (Class III)	965.97 to 966.04	NW 6-10-29 WPM	14U 326473E 5520276N	--	0.23	--	--
MB-004	seasonal marsh (Class III)	966.09 to 966.12	NW 6-10-29 WPM	14U 326560E 5520242N	0.01	0.11	--	--
MB-005	seasonal marsh (Class III)	966.17 to 966.24	NW 6-10-29 WPM	14U 326662E 5520215N	0.07	0.18	--	--
MB-006	seasonal marsh (Class III) wetland complex	966.31 to 966.45	NW 6-10-29 WPM to NE 6-10-29 WPM	14U 326828E 5520126N	0.03	0.36	--	--
MB-007	seasonal marsh (Class III)	966.48 to 966.57	NE 6-10-29 WPM	14U 326948E 5520088N	0.05	0.19	--	--
MB-008	seasonal marsh (Class III)	966.64 to 966.71	NE 6-10-29 WPM	14U 327088E 5520020N	--	0.14	--	--
MB-009	seasonal marsh (Class III)	966.73 to 966.75	NE 6-10-29 WPM	14U 327160E 5520024N	--	<0.01	--	--
MB-010	ephemeral/temporary marsh (Class I/Class II)	966.95 to 966.98	NE 6-10-29 WPM	14U 327358E 5519925N	0.03	0.08	seed mix	--
MB-011	ephemeral/temporary marsh (Class I/Class II)	967.03 to 967.05	NE 6-10-29 WPM	14U 327418E 5519871N	--	0.01	seed mix	--
MB-012	semi-permanent marsh (Class IV) wetland complex	967.13 to 967.25	NE 6-10-29 WPM	14U 327555E 5519824N	0.07	0.49	--	--
		967.26 to 967.30	NE 6-10-29 WPM to NW 5-10-29 WPM	14U 327642E 5519774N	--	0.12		
		967.47 to 967.54	SW 5-10-29 WPM	14U 327838E 5519688N	--	0.08		
		967.58 to 967.69	SW 5-10-29 WPM	14U 327971E 5519647N	<0.01	0.19		
MB-013	seasonal marsh (Class III)	968.16 to 968.18	SW 5-10-29 WPM	14U 328457E 5519428N	--	<0.01	--	--
MB-014	ephemeral/temporary marsh (Class I/Class II) wetland complex	968.34 to 968.35	SE 5-10-29 WPM	14U 328619E 5519353N	--	<0.01	--	--
		968.35 to 968.48	SE 5-10-29 WPM	14U 328714E 5519319N	--	0.17		
MB-015	seasonal marsh (Class III)	968.47 to 968.55	SE 5-10-29 WPM	14U 328779E 5519315N	0.03	0.16	--	--
MB-016	seasonal marsh (Class III)	969.04 to 969.06²	SE 5-10-29 WPM to SW 4-10-29 WPM	14U 329268E 5519078N	--	<0.01	--	
MB-017	seasonal marsh (Class III) wetland complex	969.51 to 969.55	SW 4-10-29 WPM	14U 329722E 5518917N	0.02	0.10	--	--
		969.59 to 969.63	SW 4-10-29 WPM	14U 329803E 5518901N	0.01	0.04		
MB-018	ephemeral/temporary marsh (Class I/Class II)	970.27 to 970.33	NE 33-9-29 WPM	14U 330437E 5518591N	<0.01	0.10	seed mix	--
MB-019	ephemeral/temporary marsh (Class I/Class II)	970.57 to 970.62	NE 33-9-29 WPM	14U 330699E 5518506N	0.01	0.06	seed mix	--
MB-020	ephemeral/temporary marsh (Class I/Class II)	972.91 to 972.99	NW 35-9-29 WPM	14U 332969E 5517957N	0.03	0.32	seed mix watercourse concern³	Associated with fish-bearing watercourse (Pipestone Creek; MB-WC1).³
MB-021	ephemeral/temporary marsh (Class I/Class II)	973.18 to 973.24	SW 35-9-29 WPM	14U 333170E 5517806N	--	0.15	seed mix	--
MB-022	ephemeral/temporary marsh (Class I/Class II)	973.86 to 973.94	SE 35-9-29 WPM	14U 333743E 5517410N	0.08	0.20	seed mix	--
MB-023	ephemeral/temporary marsh (Class I/Class II)	974.36 to 974.45	SE 35-9-29 WPM to NW 25-9-29 WPM	14U 334146E 5517103N	0.03	0.18	seed mix	Associated with nonfish-bearing drainage (MB-WC3).⁵
MB-024	ephemeral/temporary marsh (Class I/Class II)	975.57 to 975.75	NE 25-9-29 WPM	14U 335163E 5516347N	0.15	0.63	seed mix watercourse concern³	Associated with potentially fish-bearing unnamed tributary to Pipestone Creek (MB-WC4).³
MB-025	broad-leaf treed swamp	975.88 to 976.01	NE 25-9-29 WPM to SE 25-9-29 WPM	14U 335367E 5516173N	--	0.21	--	--
MB-026	ephemeral/temporary marsh (Class I/Class II)	976.05 to 976.11	SE 25-9-29 WPM	14U 335477E 5516093N	--	0.08	seed mix	--
MB-027	ephemeral/temporary marsh (Class I/Class II)	976.27 to 976.31	SE 25-9-29 WPM	14U 335655E 5515986N	0.04	0.08	seed mix	--
MB-028	ephemeral/temporary marsh (Class I/Class II)	979.14 to 979.31	SW 20-9-28 WPM	14U 337928E 5514194N	0.01	0.18	seed mix	Associated with nonfish-bearing drainage (MB-WC7).⁵
		979.55 to 979.72	SW 20-9-28 WPM to NW 17-9-28 WPM	14U 337914E 5513759N	0.02	0.35		
MB-029	ephemeral/temporary marsh (Class I/Class II) wetland complex	1005.53 to 1006.02	SE 11-9-26 WPM	14U 362924E 5509940N	0.39	1.88	seed mix	--
MB-030	seasonal marsh (Class III) wetland complex	1006.52 to 1007.50	NW 1-9-26 WPM to NE 1-9-26 WPM	14U 364122E 5509622N	0.74	4.18	seed mix	--
		1007.61 to 1007.95	NE 1-9-26 WPM	14U 364878E 5509597N	0.16	1.12		
MB-031	ephemeral/temporary marsh (Class I/Class II)	1008.04 to 1008.06	NW 6-9-25 WPM	14U 365129E 5509563N	--	0.01	seed mix	--
		1008.06 to 1008.08	NW 6-9-25 WPM	14U 365152E 5509583N	--	0.03		
MB-032	ephemeral/temporary marsh (Class I/Class II)	1008.31 to 1008.67	NW 6-9-25 WPM	14U 365535E 5509580N	0.12	1.01	seed mix	
MB-033	seasonal marsh (Class III) wetland complex	1008.73 to 1009.02	NW 6-9-25 WPM to NE 6-9-25 WPM	14U 365935E 5509572N	0.19	0.98	wildlife concern⁴	Potential northern leopard frog breeding waterbody. ⁴
MB-034	ephemeral/temporary marsh (Class I/Class II)	1009.13 to 1009.33	NE 6-9-25 WPM	14U 366309E 5509562N	0.14	0.70	seed mix	--
MB-035	ephemeral/temporary marsh (Class I/Class II)	1009.34 to 1009.40	NE 6-9-25 WPM	14U 366440E 5509550N	0.02	0.14	seed mix	--
MB-036	ephemeral/temporary marsh (Class I/Class II)	1009.58 to 1009.59	NE 6-9-25 WPM	14U 366664E 5509522N	--	0.02	seed mix	--
MB-037	open water pond (Class V) wetland complex	1009.64 to 1013.66	NW 5-9-25 WPM to NW 3-9-25 WPM	14U 368733E 5509469N	3.99	18.50	rare plant⁵ and wildlife⁴ concern	Rare plant observed (eastern yellow stargrass, <i>Hypoxis hirsuta</i> ).⁵ Potential northern leopard frog breeding waterbody.⁴
		1013.79 to 1013.92	NE 3-9-25 WPM	14U 370909E 5509359N	--	0.16		
		1014.24 to 1015.56	NE 3-9-25 WPM to NE 2-9-25 WPM	14U 372045E 5509266N	0.87	5.24		
		1015.78 to 1016.16	NE 2-9-25 WPM	14U 373052E 5509169N	0.29	1.43		
MB-038	seasonal marsh (Class III) wetland complex	1017.24 to 1017.27	NE 1-9-25 WPM	14U 374273E 5508960N	--	0.03	--	--
		1017.29 to 1017.46	NE 1-9-25 WPM	14U 374421E 5508971N	0.16	0.67		
MB-039	ephemeral/temporary marsh (Class I/Class II)	1017.67 to 1017.84	NE 1-9-25 WPM	14U 374786E 5508992N	0.17	0.61	seed mix	--

TABLE 6MB Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site Specific Mitigation	Comments
MB-040	seasonal marsh (Class III)	1018.08 to 1018.35	NW 6-9-24 WPM	14U 375205E 5508950N	0.15	0.81	--	--
MB-041	ephemeral/temporary marsh (Class I/Class II)	1018.46 to 1018.52	NW 6-9-24 WPM	14U 375507E 5508942N	0.04	0.08	seed mix	--
MB-042	ephemeral/temporary marsh (Class I/Class II)	1020.06 to 1020.32	NW 5-9-24 WPM	14U 377204E 5508795N	0.21	0.48	seed mix	--
MB-043	ephemeral/temporary marsh (Class I/Class II)	1021.73 to 1021.85	NW 4-9-24 WPM	14U 378789E 5508648N	0.09	0.41	seed mix	--
MB-044	ephemeral/temporary marsh (Class I/Class II)	1021.92 to 1022.05	NW 4-9-24 WPM to NE 4-9-24 WPM	14U 378980E 5508620N	--	0.14	seed mix	--
MB-045	ephemeral/temporary marsh (Class I/Class II)	1022.49 to 1022.72	NE 4-9-24 WPM	14U 379612E 5508593N	0.19	0.50	seed mix	--
MB-046	open water pond (Class V) wetland complex	1022.80 to 1022.94	NW 3-9-24 WPM	14U 379854E 5508546N	0.04	0.39	--	--
		1023.01 to 1023.01 <sup>6</sup>	NW 3-9-24 WPM	14U 379988E 5508507N	--	<0.01		
		1023.18 to 1023.22	SW 3-9-24 WPM	14U 380166E 5508429N	--	0.02		
MB-047a	ephemeral/temporary marsh (Class I/Class II)	1024.57 to 1024.85	SW 2-9-24 WPM	14U 381541E 5507837N	0.25	1.24	seed mix	--
MB-048	ephemeral/temporary marsh (Class I/Class II)	1025.16 to 1025.25	SW 2-9-24 WPM to NW 35-8-24 WPM	14U 382013E 5507624N	0.04	0.20	seed mix	--
MB-049	seasonal marsh (Class III)	1025.47 to 1025.52	NW 35-8-24 WPM to NE 35-8-24 WPM	14U 382266E 5507517N	0.06	0.16	--	--
MB-050	semi-permanent marsh (Class IV) wetland complex	1025.68 to 1026.04	NE 35-8-24 WPM	14U 382549E 5507380N	0.16	0.80	--	--
MB-051	ephemeral/temporary marsh (Class I/Class II)	1026.25 to 1026.34	NE 35-8-24 WPM	14U 383001E 5507175N	0.03	0.17	seed mix	--
MB-052	seasonal marsh (Class III)	1026.93 to 1027.01	NW 36-8-24 WPM	14U 383625E 5506956N	0.06	0.24	--	--
MB-053	ephemeral/temporary marsh (Class I/Class II) wetland complex	1027.05 to 1027.14	NW 36-8-24 WPM	14U 383736E 5506918N	0.07	0.28	seed mix	--
MB-054	semi-permanent marsh (Class IV) wetland complex	1027.19 to 1029.60	NW 36-8-24 WPM to SE 31-8-23 WPM	14U 384987E 5506396N	2.33	10.66	--	--
MB-055	seasonal marsh (Class III)	1029.68 to 1029.70 <sup>2</sup>	SE 31-8-23 WPM	14U 386224E 5506264N	--	0.03	--	--
MB-056	ephemeral/temporary marsh (Class I/Class II)	1029.78 to 1029.81	SW 32-8-23 WPM	14U 386331E 5506301N	0.02	0.04	seed mix	--
MB-057	ephemeral/temporary marsh (Class I/Class II)	1029.96 to 1030.02	SW 32-8-23 WPM	14U 386530E 5506290N	0.03	0.07	seed mix	--
		1030.06 to 1030.15	SW 32-8-23 WPM	14U 386640E 5506284N	--	0.05		
MB-058	ephemeral/temporary marsh (Class I/Class II)	1030.36 to 1030.44	SW 32-8-23 WPM	14U 386935E 5506233N	0.06	0.12	seed mix	--
MB-059	ephemeral/temporary marsh (Class I/Class II)	1030.68 to 1030.86	SE 32-8-23 WPM	14U 387324E 5506171N	0.07	0.26	seed mix	--
MB-060	broad-leaf treed swamp wetland complex	1031.32 to 1031.41	SE 32-8-23 WPM	14U 387878E 5506052N	--	0.24	--	--
		1031.36 to 1031.44	SE 32-8-23 WPM to SW 33-8-23 WPM	14U 387908E 5505996N	--	0.08		
		1031.46 to 1031.60	SW 33-8-23 WPM	14U 388027E 5505971N	--	0.11		
MB-061	broad-leaf treed swamp wetland complex	1031.56 to 1031.59	SW 33-8-23 WPM	14U 388092E 5506055N	--	0.03	--	--
MB-062	ephemeral/temporary marsh (Class I/Class II)	1031.77 to 1031.82	SW 33-8-23 WPM	14U 388312E 5505992N	--	0.10	seed mix	--
MB-063	ephemeral/temporary marsh (Class I/Class II)	1031.96 to 1032.12	SW 33-8-23 WPM	14U 388595E 5505964N	0.14	0.40	seed mix	--
MB-064	ephemeral/temporary marsh (Class I/Class II)	1032.67 to 1032.76	SE 33-8-23 WPM	14U 389217E 5505869N	0.06	0.19	seed mix	--
MB-065	seasonal marsh (Class III)	1033.76 to 1033.90	NW 27-8-23 WPM	14U 390313E 5505695N	0.14	0.42	--	--
MB-066	seasonal marsh (Class III) wetland complex	1034.00 to 1034.36	NE 27-8-23 WPM	14U 390692E 5505619N	0.11	1.00	--	--
MB-067	seasonal marsh (Class III) wetland complex	1034.40 to 1034.56	NE 27-8-23 WPM	14U 390939E 5505530N	--	0.48	--	--
MB-068	broad-leaf treed swamp	1034.77 to 1034.79	NW 26-8-23 WPM	14U 391241E 5505483N	--	0.02	rare plant <sup>5</sup>	Rare plant observed (eastern yellow stargrass, <i>Hypoxis hirsuta</i> ). <sup>5</sup>
MB-069	seasonal marsh (Class III) wetland complex	1034.97 to 1035.39	NW 26-8-23 WPM	14U 391642E 5505483N	0.39	1.72	--	--
MB-070	ephemeral/temporary marsh (Class I/Class II)	1035.69 to 1035.93	NE 26-8-23 WPM	14U 392254E 5505390N	0.24	0.79	seed mix	--
MB-071	semi-permanent marsh (Class IV) wetland complex	1036.06 to 1036.40	NE 26-8-23 WPM	14U 392669E 5505321N	0.30	1.39	--	--
		1036.42 to 1037.06	NE 26-8-23 WPM to NW 25-8-23 WPM	14U 393208E 5505217N	0.51	3.07		
		1037.45 to 1037.91	NE 25-8-23 WPM	14U 394084E 5505096N	0.31	1.90		
MB-072	ephemeral/temporary marsh (Class I/Class II)	1037.94 to 1038.06	NE 25-8-23 WPM	14U 394398E 5505027N	--	0.23	seed mix	--
MB-073	seasonal marsh (Class III) wetland complex	1038.21 to 1038.53	NW 30-8-22 WPM	14U 394754E 5504959N	0.27	1.18	--	--
		1038.56 to 1038.57	SW 30-8-22 WPM	14U 394947E 5504884N	--	<0.01		
		1038.65 to 1038.71	SW 30-8-22 WPM	14U 395063E 5504863N	--	0.12		
MB-074	seasonal marsh (Class III) wetland complex	1039.10 to 1039.30	SE 30-8-22 WPM	14U 395570E 5504732N	0.17	0.71	--	--
		1039.30 to 1039.37	SE 30-8-22 WPM	14U 395708E 5504711N	0.01	0.06		
MB-075	ephemeral/temporary marsh (Class I/Class II)	1039.77 to 1039.78	SE 30-8-22 WPM to SW 29-8-22 WPM	14U 396107E 5504542N	--	<0.01	seed mix	--
		1039.78 to 1039.88	SE 30-8-22 WPM to SW 29-8-22 WPM	14U 396168E 5504540N	--	0.27		
MB-076	seasonal marsh (Class III)	1040.59 to 1040.66	SW 29-8-22 WPM to SE 29-8-22 WPM	14U 396945E 5504364N	0.04	0.08	--	--
MB-077	semi-permanent marsh (Class IV) wetland complex	1040.67 to 1040.71	SE 29-8-22 WPM	14U 396996E 5504312N	--	0.01	--	--
		1040.75 to 1040.76	SE 29-8-22 WPM	14U 397056E 5504297N	--	0.01		
		1040.76 to 1041.34	SE 29-8-22 WPM	14U 397357E 5504233N	0.54	2.46		
MB-078	ephemeral/temporary marsh (Class I/Class II)	1041.92 to 1041.98	NW 21-8-22 WPM	14U 398205E 5503985N	0.04	0.23	seed mix	--
MB-079	seasonal marsh (Class III)	1042.16 to 1042.41	NW 21-8-22 WPM to NE 21-8-22 WPM	14U 398547E 5503910N	0.24	0.59	--	--
MB-080	seasonal marsh (Class III) wetland complex	1042.47 to 1042.78	NE 21-8-22 WPM	14U 398862E 5503825N	0.21	0.68	--	--
MB-081	broad-leaf treed swamp wetland complex	1042.87 to 1043.33	NE 21-8-22 WPM to NW 22-8-22 WPM	14U 399303E 5503678N	0.19	1.39	--	--

TABLE 6MB Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End <sup>1</sup>	Legal Location of Construction within Wetland	Centroid UTM <sup>1</sup>	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site Specific Mitigation	Comments
MB-082	broad-leaf treed swamp wetland complex	1043.36 to 1043.57	NW 22-8-22 WPM	14U 399671E 5503591N	0.20	0.81	--	--
		1043.65 to 1043.67	NW 22-8-22 WPM	14U 399855E 5503521N	--	<0.01		
MB-083	semi-permanent marsh (Class IV) wetland complex	1043.95 to 1044.97	NW 22-8-22 WPM to NW 23-8-22 WPM	14U 400637E 5503331N	0.80	4.83	--	--
MB-084	seasonal marsh (Class III) wetland complex	1045.35 to 1045.75	SW 23-8-22 WPM to SE 23-8-22 WPM	14U 401680E 5503073N	0.38	1.68	--	--
MB-085	broad-leaf treed swamp wetland complex	1045.99 to 1046.27	SE 23-8-22 WPM	14U 402229E 5502936N	0.23	0.72	--	--
MB-086	broad-leaf treed swamp	1047.30 to 1047.48	SW 24-8-22 WPM to SE 24-8-22 WPM	14U 403455E 5502605N	0.08	0.69	--	--
MB-087	ephemeral/temporary marsh (Class I/Class II)	1047.98 to 1048.07	SE 24-8-22 WPM	14U 404078E 5502431N	--	0.16	--	--
MB-088	seasonal marsh (Class III)	1048.18 to 1048.24	SE 24-8-22 WPM to SW 19-8-21 WPM	14U 404264E 5502391N	<0.01	0.20	--	--
MB-089	ephemeral/temporary marsh (Class I/Class II)	1049.03 to 1049.12	NW 18-8-21 WPM to NE 18-8-21 WPM	14U 405098E 5502229N	0.06	0.19	seed mix	--
MB-090	ephemeral/temporary marsh (Class I/Class II)	1051.11 to 1051.14 <sup>2</sup>	NE 17-8-21 WPM	14U 407101E 5501725N	--	0.05	seed mix	--
MB-091	seasonal marsh (Class III) wetland complex	1051.68 to 1051.93	NW 16-8-21 WPM	14U 407775E 5501622N	0.22	0.98	--	--
MB-092	semi-permanent marsh (Class IV) wetland complex	1052.43 to 1052.67	NW 16-8-21 WPM to NE 16-8-21 WPM	14U 408501E 5501459N	0.17	0.76	--	--
MB-093	temporary marsh (Class II)	1053.17 to 1053.26	SE 16-8-21 WPM	14U 409146E 5501341N	--	0.14	seed mix	--
MB-094	broad-leaf treed swamp	1053.29 to 1053.47	SW 15-8-21 WPM	14U 409294E 5501260N	--	0.46	--	--
MB-095	seasonal marsh (Class III)	1055.61 to 1055.67	SW 14-8-21 WPM	14U 411512E 5500774N	0.05	0.28	--	Associated with nonfish-bearing drainage (MB-WC19). <sup>5</sup>
MB-096	ephemeral/temporary marsh (Class I/Class II)	1057.70 to 1057.72	NE 12-8-21 WPM	14U 413537E 5500345N	--	<0.01	seed mix	--
MB-097	seasonal marsh (Class III)	1061.58 to 1061.64	SE 8-8-20 WPM	14U 417304E 5499438N	--	0.04	--	--
MB-098	seasonal marsh (Class III)	1062.88 to 1062.91	SE 9-8-20 WPM	14U 418558E 5499179N	--	0.02	--	--
MB-099	semi-permanent marsh (Class IV)	1064.71 to 1064.75 <sup>2</sup>	SE 10-8-20 WPM	14U 420328E 5498721N	--	0.01	--	--
		1064.75 to 1064.83	SE 10-8-20 WPM	14U 420417E 5498698N	--	0.10		
MB-100	seasonal marsh (Class III)	1065.71 to 1065.85	NW 2-8-20 WPM	14U 421365E 5498492N	--	0.24	--	--
MB-101	seasonal marsh (Class III)	1068.34 to 1068.52	NE 1-8-20 WPM to NW 6-8-19 WPM	14U 423935E 5497882N	--	0.34	--	--
MB-102	ephemeral/temporary marsh (Class I/Class II)	1069.55 to 1069.60	SE 6-8-19 WPM	14U 425057E 5497643N	--	0.03	seed mix	--
MB-103	seasonal marsh (Class III)	1072.86 to 1073.04	NW 33-7-19 WPM to NE 33-7-19 WPM	14U 428090E 5496644N	0.07	0.52	--	--
MB-104	seasonal marsh (Class III)	1073.25 to 1073.33	NE 33-7-19 WPM	14U 428444E 5496605N	0.04	0.21	--	--
MB-105	ephemeral/temporary marsh (Class I/Class II)	1073.54 to 1073.61	NE 33-7-19 WPM	14U 428720E 5496565N	0.06	0.17	seed mix	--
MB-106	seasonal marsh (Class III)	1073.66 to 1073.71	NE 33-7-19 WPM	14U 428815E 5496509N	0.01	0.09	--	--
MB-107	seasonal marsh (Class III)	1073.87 to 1073.97	NW 34-7-19 WPM	14U 429037E 5496413N	--	0.23	shrub staking rare plant concern <sup>5</sup>	Rare plant observed (crystalwort, <i>Riccia fluitans</i> ). <sup>5</sup>
MB-108	ephemeral/temporary marsh (Class I/Class II)	1073.93 to 1073.93	NW 34-7-19 WPM	14U 429068E 5496481N	--	<0.01	seed mix	Wetland is encountered exclusively by a laydown area. <sup>6</sup>
MB-109	ephemeral/temporary marsh (Class I/Class II)	1074.07 to 1074.09	NW 34-7-19 WPM	14U 429195E 5496380N	--	<0.01	seed mix	--
MB-110	semi-permanent marsh (Class IV) wetland complex	1074.26 to 1074.28	NW 34-7-19 WPM	14U 429391E 5496292N	--	0.02	wildlife concern <sup>4</sup>	Potential northern leopard frog overwintering waterbody. <sup>4</sup>
		1074.35 to 1074.52	NW 34-7-19 WPM	14U 429494E 5496376N	0.08	0.51		
		1074.52 to 1074.59	NW 34-7-19 WPM	14U 429624E 5496445N	--	0.17		
		1074.58 to 1074.66	NW 34-7-19 WPM	14U 429676E 5496499N	0.05	0.11		
		1074.59 to 1074.91	NW 34-7-19 WPM to NE 34-7-19 WPM	14U 429810E 5496523N	0.07	0.73		
MB-111	seasonal marsh (Class III)	1074.30 to 1074.32	NW 34-7-19 WPM	14U 429402E 5496353N	<0.01	0.03	--	--
MB-112	seasonal marsh (Class III)	1075.35 to 1075.37	NE 34-7-19 WPM	14U 430385E 5496482N	--	<0.01	--	--
MB-113	seasonal marsh (Class III)	1075.66 to 1075.76	NW 35-7-19 WPM	14U 430716E 5496403N	0.08	0.23	--	--
MB-114	ephemeral/temporary marsh (Class I/Class II)	1076.36 to 1076.39	NE 35-7-19 WPM	14U 431378E 5496263N	--	0.05	seed mix	--
MB-115	seasonal marsh (Class III)	1077.24 to 1077.29	NW 36-7-19 WPM	14U 432258E 5496110N	0.04	0.19	--	--
MB-116	ephemeral/temporary marsh (Class I/Class II)	1077.93 to 1077.95	SW 36-7-19 WPM	14U 432915E 5495988N	0.01	0.03	seed mix	--
MB-117	ephemeral/temporary marsh (Class I/Class II)	1078.28 to 1078.33	SE 36-7-19 WPM	14U 433269E 5495876N	--	0.12	seed mix	--
MB-118	ephemeral/temporary marsh (Class I/Class II)	1079.67 to 1079.68	SE 31-7-18 WPM	14U 434613E 5495639N	--	0.01	seed mix	--
MB-119	ephemeral/temporary marsh (Class I/Class II)	1079.68 to 1079.72	SW 31-7-18 WPM to SE 31-7-18 WPM	14U 434647E 5495667N	0.03	0.05	seed mix	--
MB-120	ephemeral/temporary marsh (Class I/Class II)	1079.79 to 1079.80	SE 31-7-18 WPM	14U 434732E 5495615N	--	<0.01	seed mix	--
MB-121	seasonal marsh (Class III) wetland complex	1079.84 to 1079.85	SE 31-7-18 WPM	14U 434790E 5495650N	--	<0.01	--	--
		1079.87 to 1079.90	SE 31-7-18 WPM	14U 434829E 5495640N	--	0.02		
		1079.89 to 1079.91	SE 31-7-18 WPM	14U 434837E 5495609N	--	0.03		
		1079.93 to 1080.50	SE 31-7-18 WPM	14U 435140E 5495568N	0.47	2.14		
MB-122	ephemeral/temporary marsh (Class I/Class II)	1080.94 to 1080.98	SW 32-7-18 WPM	14U 435884E 5495442N	0.02	0.13	seed mix	Associated with nonfish-bearing drainage (MB-WC25). <sup>5</sup>
MB-123	seasonal marsh (Class III) wetland complex	1082.52 to 1082.54	NW 28-7-18 WPM	14U 437381E 5495139N	0.01	0.05	--	--
MB-124	ephemeral/temporary marsh (Class I/Class II)	1082.70 to 1082.72	NW 28-7-18 WPM	14U 437559E 5495115N	--	0.01	seed mix	--
MB-125	ephemeral/temporary marsh (Class I/Class II)	1082.78 to 1082.80	NW 28-7-18 WPM	14U 437643E 5495114N	--	0.03	seed mix	--
MB-126	ephemeral/temporary marsh (Class I/Class II)	1082.89 to 1082.98	NW 28-7-18 WPM	14U 437804E 5495117N	--	0.09	seed mix	--

TABLE 6MB Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End¹	Legal Location of Construction within Wetland	Centroid UTM¹	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site Specific Mitigation	Comments
MB-127	ephemeral/temporary marsh (Class I/Class II)	1083.52 to 1083.58	NE 28-7-18 WPM	14U 438390E 5495037N	0.03	0.17	seed mix	--
MB-128	seasonal marsh (Class III) wetland complex	1085.78 to 1085.89	NW 26-7-18 WPM	14U 440585E 5494528N	--	0.27	watercourse concern³	Associated with fish-bearing watercourse (Black Creek; MB-WC27).³
		1087.35 to 1087.45⁶	SW 25-7-18 WPM	14U 442103E 5493911N	--	0.19		
		1087.39 to 1087.53	SW 25-7-18 WPM	14U 442157E 5494223N	0.04	0.26		
		1087.49 to 1087.50⁶	SW 25-7-18 WPM	14U 442209E 5494181N	--	<0.01		
		1087.53 to 1087.64	SW 25-7-18 WPM	14U 442326E 5494181N	0.04	0.29		
MB-129	seasonal marsh (Class III) wetland complex	1089.52 to 1089.58	SW 30-7-17 WPM	14U 444228E 5493834N	0.02	0.10	--	Associated with nonfish-bearing drainage (MB-WC29) and nonfish-bearing drainage (MB-WC30).⁵
		1089.77 to 1089.83	SE 30-7-17 WPM	14U 444481E 5493807N	--	0.01		
		1089.88 to 1090.18	SE 30-7-17 WPM	14U 444721E 5493737N	0.13	0.81		
		1091.03 to 1091.11	SW 29-7-17 WPM	14U 445727E 5493539N	0.04	0.27		
MB-130	shrubby swamp	1094.96 to 1095.06	NE 22-7-17 WPM	14U 449454E 5492706N	--	0.19	--	--
MB-131	seasonal marsh (Class III)	1096.11 to 1096.16²	SW 23-7-17 WPM	14U 450460E 5492248N	--	0.05	--	--
MB-132	ephemeral/temporary marsh (Class I/Class II) wetland complex	1097.09 to 1097.17	NW 14-7-17 WPM	14U 450718E 5491365N	0.05	0.33	--	--
MB-133	seasonal marsh (Class III)	1097.76 to 1097.83	NE 14-7-17 WPM	14U 451362E 5491242N	0.06	0.35	--	--
MB-134	ephemeral/temporary marsh (Class I/Class II)	1098.18 to 1098.28	NE 14-7-17 WPM	14U 451798E 5491215N	0.10	0.48	seed mix	--
MB-135	seasonal marsh (Class III)	1098.36 to 1098.44	NW 13-7-17 WPM	14U 451971E 5491214N	0.09	0.48	--	--
MB-136	seasonal marsh (Class III) wetland complex	1098.55 to 1098.63	NW 13-7-17 WPM	14U 452149E 5491217N	0.03	0.16	--	--
MB-137	seasonal marsh (Class III)	1098.96 to 1099.01	NW 13-7-17 WPM	14U 452554E 5491200N	--	0.04	--	--
MB-138	ephemeral/temporary marsh (Class I/Class II)	1099.78 to 1099.86	NE 13-7-17 WPM	14U 453385E 5491213N	0.07	0.39	seed mix	--
MB-139	seasonal marsh (Class III) wetland complex	1100.28 to 1100.29	NW 18-7-16 WPM	14U 453852E 5491184N	--	<0.01	watercourse concern³	Associated with fish-bearing watercourse (Spring Brook; MB-WC36) and with fish-bearing unnamed tributary to Spring Brook (MB-WC37).³
		1100.34 to 1100.40	NW 18-7-16 WPM	14U 453937E 5491220N	0.04	0.18		
		1101.34 to 1101.40	NE 18-7-16 WPM	14U 454938E 5491210N	0.02	0.12		
MB-140	ephemeral/temporary marsh (Class I/Class II)	1102.35 to 1102.36	NW 17-7-16 WPM	14U 455920E 5491202N	--	0.02	seed mix	--
MB-141	ephemeral/temporary marsh (Class I/Class II)	1103.10 to 1103.17	NE 17-7-16 WPM	14U 456707E 5491199N	0.02	0.27	seed mix	--
MB-142	ephemeral/temporary marsh (Class I/Class II)	1103.28 to 1103.43	NW 16-7-16 WPM	14U 456916E 5491217N	0.14	0.53	seed mix	--
MB-143	ephemeral/temporary marsh (Class I/Class II)	1103.91 to 1104.07	NW 16-7-16 WPM to NE 16-7-16 WPM	14U 457542E 5491206N	0.02	0.41	seed mix	--
MB-144	seasonal marsh (Class III) wetland complex	1104.35 to 1104.71	NE 16-7-16 WPM	14U 458039E 5491125N	0.17	1.02	--	--
MB-145	seasonal marsh (Class III)	1106.11 to 1106.25	SE 15-7-16 WPM	14U 459698E 5490840N	--	0.32	watercourse concern³	Associated with potentially fish-bearing unnamed tributary to Spring Brook (MB-WC41).³
MB-146	ephemeral/temporary marsh (Class I/Class II)	1120.81 to 1120.86	SE 7-7-14 WPM	14U 474120E 5488464N	0.03	0.18	seed mix	--
MB-147	ephemeral/temporary marsh (Class I/Class II)	1127.66 to 1127.70	SE 2-7-14 WPM	14U 480623E 5486996N	--	0.01	seed mix	--
MB-148	ephemeral/temporary marsh (Class I/Class II)	1129.01 to 1129.12	SW 1-7-14 WPM	14U 481967E 5486766N	0.09	0.22	seed mix	--
MB-149	ephemeral/temporary marsh (Class I/Class II)	1129.10 to 1129.20	SW 1-7-14 WPM	14U 482041E 5486698N	--	0.21	seed mix	--
MB-150	seasonal marsh (Class III)	1129.36 to 1129.45	NW 36-6-14 WPM	14U 482275E 5486628N	--	0.14	--	--
MB-151	seasonal marsh (Class III)	1129.58 to 1129.72	NW 36-6-14 WPM	14U 482516E 5486571N	0.13	0.58	--	--
MB-152	semi-permanent marsh (Class IV) wetland complex	1129.73 to 1130.19	NW 36-6-14 WPM to NE 36-6-14 WPM	14U 482860E 5486449N	0.22	1.29	wildlife concern⁴	Potential black tern nesting colony. Potential northern leopard frog breeding waterbody.⁴
MB-153	seasonal marsh (Class III)	1130.37 to 1130.41	NE 36-6-14 WPM	14U 483358E 5486664N	--	0.08	--	Wetland is crossed exclusively by an access road/shoo-fly.⁶
MB-154	seasonal marsh (Class III)	1130.45 to 1130.49	NE 36-6-14 WPM	14U 483358E 5486454N	--	0.06	--	Wetland is crossed exclusively by an access road/shoo-fly.⁶
MB-155	seasonal marsh (Class III) wetland complex	1130.76 to 1130.92	NE 36-6-14 WPM	14U 483611E 5486139N	0.14	0.58	--	--
MB-156	ephemeral/temporary marsh (Class I/Class II)	1131.04 to 1131.10	NW 31-6-13 WPM	14U 483823E 5486014N	--	0.08	seed mix	--
MB-157	semi-permanent marsh (Class IV) wetland complex	1131.84 to 1132.53	SW 31-6-13 WPM to SE 31-6-13 WPM	14U 484890E 5485577N	0.56	3.15	watercourse³, rare plant⁵, and wildlife⁴ concern	Associated with fish-bearing watercourse (Oak Creek; MB-WC43 and MB-WC44) Associated with nonfish-bearing drainage (MB-WC85) and nonfish-bearing drainage (MB-WC45)³ A rare plant community was observed in the wetland on the Project (plant silvery atriplex, <i>Artiplex argentea</i> ), and rare plant community was observed adjacent to the Project in the wetland (sprangletop, <i>Scolochloa festuacea</i> ).⁵ Potential black tern nesting colony.⁴
		1132.85 to 1135.82	SW 32-6-13 WPM to SE 28-6-13 WPM	14U 486748E 5484783N	2.95	13.74		
		1136.45 to 1136.61	SW 27-6-13 WPM	14U 488831E 5483879N	0.11	0.65		
MB-158	seasonal marsh (Class III)	1146.40 to 1146.55	SW 16-6-12 WPM	14U 497334E 5480320N	0.14	0.63	--	--
MB-159	seasonal marsh (Class III)	1147.47 to 1147.66	SE 16-6-12 WPM	14U 498285E 5480414N	0.13	0.85	--	--
MB-160	seasonal marsh (Class III)	1147.83 to 1147.88	SW 15-6-12 WPM	14U 498583E 5480401N	--	0.12	--	--
MB-161	seasonal marsh (Class III)	1147.89 to 1147.93	SW 15-6-12 WPM	14U 498642E 5480438N	0.02	0.05	--	--
MB-162	shrubby swamp	1147.97 to 1148.07	SW 15-6-12 WPM	14U 498749E 5480417N	0.04	0.29	shrub staking rare plant concern⁵	Rare plant observed (common tall sunflower, <i>Helianthus nuttallii</i> var. <i>Rydbergii</i> ).⁵
MB-163	seasonal marsh (Class III) wetland complex	1150.94 to 1150.95	SW 11-6-12 WPM	14U 500283E 5479057N	<0.01	0.04	--	--
MB-164	ephemeral/temporary marsh (Class I/Class II)	1152.36 to 1153.05	NE 2-6-12 WPM	14U 501449E 5477976N	0.68	3.06	seed mix	--

TABLE 6MB Cont'd

Wetland Report ID	Overall Wetland Class	SKP start to SKP End <sup>1</sup>	Legal Location of Construction within Wetland	Centroid UTM <sup>1</sup>	Length of Disturbance by Centre Line (km)	Area of Disturbance by Footprint (ha)	Site Specific Mitigation	Comments
MB-165	ephemeral/temporary marsh (Class I/Class II)	1154.15 to 1154.16	SE 1-6-12 WPM	14U 502766E 5477380N	<0.01	0.03	seed mix	--
MB-166	seasonal marsh (Class III) wetland complex	1156.00 to 1156.11	NE 31-5-11 WPM	14U 504524E 5476683N	0.07	0.37	--	--
MB-167	ephemeral/temporary marsh (Class I/Class II)	1156.54 to 1156.60	NE 31-5-11 WPM	14U 504768E 5476354N	--	0.14	seed mix	--
MB-168	open water pond (Class V) wetland complex	1157.17 to 1157.27	NW 32-5-11 WPM	14U 505385E 5476298N	--	0.18	--	--
MB-169	seasonal marsh (Class III)	1158.82 to 1158.86 <sup>2</sup>	SW 33-5-11 WPM	14U 506799E 5475528N	--	0.04	--	--
MB-170	ephemeral/temporary marsh (Class I/Class II)	1158.90 to 1158.93	SW 33-5-11 WPM	14U 506885E 5475527N	0.02	0.06	seed mix	--
MB-171	ephemeral/temporary marsh (Class I/Class II)	1159.44 to 1159.48	SW 33-5-11 WPM	14U 507368E 5475286N	0.04	0.08	seed mix	--
MB-172a	ephemeral/temporary marsh (Class I/Class II)	1161.41 to 1161.70	NW 27-5-11 WPM to SE 27-5-11 WPM	14U 509249E 5474335N	0.21	1.00	seed mix	--
MB-173	ephemeral/temporary marsh (Class I/Class II)	1177.44 to 1177.50	SW 6-5-9 WPM	14U 523432E 5467432N	0.06	0.32	seed mix	--
MB-174	ephemeral/temporary marsh (Class I/Class II)	1178.04 to 1178.09	SW 6-5-9 WPM to SE 6-5-9 WPM	14U 523960E 5467173N	--	0.07	seed mix	--
MB-175	ephemeral/temporary marsh (Class I/Class II)	1178.76 to 1178.78	NE 31-4-9 WPM	14U 524609E 5466875N	0.01	0.05	seed mix	--
MB-176	seasonal marsh (Class III)	1179.01 to 1179.17	NW 32-4-9 WPM	14U 524860E 5466737N	0.05	0.44	--	--
MB-177	seasonal marsh (Class III)	1179.48 to 1179.49	NW 32-4-9 WPM	14U 525227E 5466525N	--	<0.01	--	--
		1179.49 to 1179.61	NW 32-4-9 WPM	14U 525304E 5466512N	0.03	0.27		
MB-178	seasonal marsh (Class III) wetland complex	1181.65 to 1181.84	SW 33-4-9 WPM	14U 527189E 5465542N	0.11	0.88	--	--
		1181.86 to 1182.24	SE 33-4-9 WPM to NE 28-4-9 WPM	14U 527457E 5465387N	0.09	1.20		
		1182.29 to 1182.39	NE 28-4-9 WPM	14U 527701E 5465271N	0.07	0.35		
MB-179	seasonal marsh (Class III) wetland complex	1185.99 to 1186.41	NE 23-4-9 WPM	14U 531009E 5463470N	0.40	1.75	--	--
		1186.40 to 1186.42 <sup>6</sup>	NE 23-4-9 WPM	14U 531139E 5463290N	--	0.03		
MB-180	seasonal marsh (Class III)	1189.42 to 1189.53	NW 18-4-8 WPM to NE 18-4-8 WPM	14U 533856E 5461896N	0.02	0.29	watercourse concern <sup>3</sup>	Associated with fish-bearing watercourse (Mary Jane Creek; MB-WC58). <sup>3</sup>
MB-181	ephemeral/temporary marsh (Class I/Class II)	1190.63 to 1190.68	NW 17-4-8 WPM	14U 534748E 5461289N	--	0.06	seed mix	--
MB-182	semi-permanent marsh (Class IV)	1192.95 to 1192.96	NW 9-4-8 WPM	14U 536819E 5460357N	--	0.02	--	--
		1193.02 to 1193.06	NW 9-4-8 WPM	14U 536906E 5460345N	0.02	0.11		
		1193.08 to 1193.25	NW 9-4-8 WPM	14U 537028E 5460280N	0.12	0.65		
MB-183	seasonal marsh (Class III)	1193.37 to 1193.50	NW 9-4-8 WPM to NE 9-4-8 WPM	14U 537258E 5460157N	0.02	0.27	shrub staking	--
MB-184	ephemeral/temporary marsh (Class I/Class II)	1198.49 to 1198.54	NW 1-4-8 WPM to SW 1-4-8 WPM	14U 541840E 5457980N	0.01	0.16	seed mix	--
MB-185	seasonal marsh (Class III)	1200.61 to 1200.63	NW 31-3-7 WPM	14U 543733E 5457050N	0.01	0.06	--	--
MB-186	ephemeral/temporary marsh (Class I/Class II)	1201.29 to 1201.37	NE 31-3-7 WPM	14U 544369E 5456732N	0.06	0.25	seed mix watercourse concern <sup>3</sup>	Associated with potentially fish-bearing unnamed drainage (MB-WC61). <sup>3</sup>
MB-187	ephemeral/temporary marsh (Class I/Class II)	1201.66 to 1201.67	NE 31-3-7 WPM	14U 544674E 5456599N	--	<0.01	seed mix	--
MB-188	seasonal marsh (Class III)	1202.22 to 1202.28	NW 32-3-7 WPM	14U 545243E 5456550N	0.03	0.07	shrub staking	--
MB-189	seasonal marsh (Class III) wetland complex	1202.66 to 1202.72	NE 32-3-7 WPM	14U 545681E 5456561N	0.03	0.10	--	--
MB-190	seasonal marsh (Class III)	1203.47 to 1203.51	NW 33-3-7 WPM	14U 546452E 5456744N	0.03	0.12	--	--
MB-191	temporary marsh (Class II)	1204.42 to 1204.46	NE 33-3-7 WPM	14U 547374E 5456944N	0.03	0.16	seed mix	--
MB-192	seasonal marsh (Class III) wetland complex	1207.05 to 1207.13	SE 34-3-7 WPM	14U 549236E 5455747N	0.03	0.15	--	Associated with nonfish-bearing drainage (MBR-WC1). <sup>3</sup>
		1207.34 to 1207.34 <sup>6</sup>	NE 27-3-7 WPM	14U 549364E 5455507N	--	<0.01		
		1207.35 to 1207.36 <sup>6</sup>	NE 27-3-7 WPM	14U 549380E 5455508N	--	<0.01		
		1207.35 to 1207.41	NE 27-3-7 WPM	14U 549409E 5455547N	0.01	0.07		
MB-193	ephemeral/temporary marsh (Class I/Class II)	1208.54 to 1208.58	NE 26-3-7 WPM	14U 550571E 5455439N	--	0.06	seed mix watercourse concern <sup>3</sup>	Associated with potentially fish-bearing unnamed tributary to Shannon Creek (MBR-WC2). <sup>3</sup>
MB-194	ephemeral/temporary marsh (Class I/Class II)	1215.35 to 1215.44	SW 28-3-6 WPM to SE 28-3-6 WPM	14U 557066E 5454693N	0.08	0.34	seed mix	--
MB-195a	ephemeral/temporary marsh (Class I/Class II)	1215.53 to 1215.59	SE 28-3-6 WPM	14U 557244E 5454710N	0.04	0.12	seed mix	--
MB-196a	seasonal marsh (Class III)	1236.07 to 1236.15	NE 2-3-5 WPM to SE 2-3-5 WPM	14U 570925E 5448496N	0.04	0.32	watercourse concern <sup>3</sup>	Associated with fish-bearing unnamed drainage to Hespeler Drain (MBR-WC8). <sup>3</sup>
MB-197	seasonal marsh (Class III)	1241.11 to 1241.16	NE 24-2-5 WPM	14U 572388E 5444361N	0.03	0.15	watercourse concern <sup>3</sup>	Associated with nonfish-bearing drainage (MB-WC71). <sup>3</sup>
MB-198	seasonal marsh (Class III)	1267.16 to 1267.24	NW 20-1-2 WPM to NE 20-1-2 WPM	14U 595316E 5434342N	0.06	0.26	watercourse concern <sup>3</sup>	Associated with fish-bearing unnamed tributary to Buffalo Creek (MB-WC79). <sup>3</sup>

Notes: Wetlands listed include those that are crossed by the construction right-of-way and/or extra temporary workspaces (e.g., for laydown areas, temporary access roads, shoo-flies, etc.). Wetlands that are located internal to the boundaries of pump stations/terminals are shown on the environmental photomosaics.

- 1
- The delineated start and end locations provided are intended to identify the transition zone as accurately as possible and were derived during the desktop mapping exercise. Centroid UTM's are specific to the area of disturbance by the replacement pipeline route at each wetland crossing.
- 2
- Wetland crossing is located on extra temporary workspace.
- 3
- Watercourse associations and site-specific mitigation details are provided in Table 4 of these EAS Index Sheets.
- 4
- Wildlife observations, wildlife habitat descriptions and site-specific mitigation details provided are in Table 5 of these EAS Index Sheets.
- 5
- Rare plant occurrence and site-specific mitigation details provided are in Table 7 of these EAS Index Sheets.
- 6
- Wetland crossing is located on an access road/shoo-fly location or laydown area.

TABLE 7AB

RARE PLANTS AND RARE ECOLOGICAL COMMUNITIES OBSERVED ALONG THE ENBRIDGE LINE 3 REPLACEMENT ROUTE IN ALBERTA

SKPA	Species (Scientific Name) [Rank] <sup>B</sup>	UTM Coordinates	EAS Label	Legal Location	Abundance and Distribution	Relation to Footprint <sup>C</sup>	Mitigation		
							Planning Phase <sup>D</sup>	Construction Phase <sup>E</sup>	Post-Construction/ Operation Phase <sup>F</sup>
Between 185.86 and 186.05	scratch grass ( <i>Muhlenbergia asperifolia</i> ) [S3W]	12U 481634E 5830383N 12U 481772E 5830391N 12U 481589E 5830286N	MUHLASP	NW 17-42-9 W4M	Thousands of plants in a 105 m x 180 m area were observed in 2010.	This occurrence is located on the footprint, approximately 12119 m south of the trench line.	--	5A	13, 14
185.90 to 185.96	prairie wedge grass ( <i>Sphenopholis obtusata</i> ) [S2]	12U 481687E 5830385N 12U 481658E 5830380N 12U 481646E 5830384N 12U 481625E 5830369N 12U 481622E 5830353N 12U 481631E 5830355N 12U 481662E 5830360N	SPHEOBT	SW 20-42-9 W4M	Approximately 150 to 200 plants in a 65 m x 34 m area were observed in 2011.	This occurrence is located on the Footprint, from approximately 19-52 m south of the trench line.	--	5A	13, 14
191.66	lance-leaved loosestrife ( <i>Lysimachia hybrida</i> ) [S2]	12U 486846E 5828515N	LYSIHYB	NW 11-42-9 W4M	A total of 32 plants in a 6 m x 1 m area were observed in July 2013.	This occurrence is located on the Footprint, approximately 20 m south of the trench line.	--	5A, 9, 12	13, 14
191.90	leathery grape-fern ( <i>Botrychium multifidum</i> ) [S3W]	12U 487053E 5828394N	BOTRMULINT	NE 11-42-9 W4M	A single plant was observed in August 2007.This population was not included in post-construction monitoring efforts ACEP as it was off of the ACEP right-of-way.	This occurrence is located on the Footprint, in an open aspen stand approximately 14 m south of the trench line.	--	5A, 9	13, 14
201.00	northern blue-eyed-grass ( <i>Sisyrinchium septentrionale</i> ) [S3]	12U 494818E 5823691N 12U 494819E 5823687N	SISYSEP	NW 27-41-8 W4M	Two plants, 4 m apart, were observed in July 2013.	This occurrence is located on the Footprint, approximately 9 m and 13 m south of the trench line.	--	5A, 9	13, 14
206.55	Schweinitz's flatsedge ( <i>Cyperus schweinitzii</i> ) [S2] enclosure	12U 499184E 5821377N 12U 499194E 5821404N 12U 499180E 5821348N	CYPESCH	SW 19-41-7 W4M	The enclosure site was last monitored in 2012.	The enclosure is located off the Footprint, approximately 72 m north of the trench line.	--	7, 8	--
241.25	leafy pondweed ( <i>Potamogeton foliosus</i> ) [S2]	12U 529756E 5805645N	POTAFOL	NE 31-39-4 W4M	More than 500 plants in a 15 m x 30 m area were observed in July 2013.	This occurrence is located on the Footprint, approximately 12 m south of the center line.	--	9, 12	13, 14
243.64 to 243.65	prairie wedge grass ( <i>Sphenopholis obtusata</i> ) [S2]	12U 531849E 5804497N	SPHEOBT	NW 28-39-4 W4M	Three plants in a 10 cm x 5 cm area were observed in July 2013.	This occurrence is located on the Footprint, approximately 32 m south of the trench line within the workspace buffer.	--	5A	13, 14
243.68	Parry's sedge ( <i>Carex parryana</i> ) [S3W]	12U 531866E 5804453N 12U 531848E 5804498N	CAREPAR	NW 28-39-4 W4M	A total of 60 plants, in a 2.5 m x 1.5 m patch and a 2 m x 1.5 m patch, were observed in July 2013.	This occurrence has two patches. One patch is located on the Footprint, approximately 32 m south of the trench line. The other patch is located off the Footprint, approximately 63 m south of the trench line.	--	5A	13, 14
243.68	northern blue-eyed-grass ( <i>Sisyrinchium septentrionale</i> ) [S3]	12U 531864E 5804458N	SISYSEP	NW 28-39-4 W4M	A total of 22 plants in a 30 m x8 m area were observed in July 2013.	This occurrence is located off the Footprint, approximately 60 m south of the trench line.	--	7	--
282.44 to 282.50	northern blue-eyed-grass ( <i>Sisyrinchium septentrionale</i> ) [S3]	12U 565866E 5786004N 12U 565887E 5786038N	SISYSEP	SE 35-37-1 W4M	Approximately 500 plants in an 87 m x 105 m area were observed in 2010.	This occurrence is located on and off the Footprint, from approximately 82 m north to 22 m south of the trench line.	--	7, 9	13, 14

- Notes:
- A

All Environment SKP locations are approximate.
- B

See the Rare Plant and Plant Community Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of rarity ranks.
- C

The construction right-of-way Footprint will typically be 45 m wide.
- D

Mitigation measures recommended for implementation during the Planning Phase of the Project include:

1)

If feasible, schedule construction to occur after the seed set period to enhance the survival of the population.

2)

Obtain agreement with landowners regarding transplant receiving sites, where identified on private lands. Receiving sites are typically placed adjacent to the proposed Footprint, where appropriate habitat can be found near the construction right-of-way.
- E

Mitigation measures recommended for implementation during the Construction Phase of the Project include:

3)

Consider extending the road bore to avoid the rare plant population and, if applicable, the associated wetland.

4)

Leave a gap in the spoil pile within a 10 m radius of this population and flag/stake with flagging tape and/or lathe as appropriate around the occurrence area to avoid accidental encroachment.

5A)

Narrow the construction right-of-way, to the extent feasible, in the vicinity of the rare plant population or rare ecological community.

5B)

Narrow the temporary workspace, to the extent feasible, in the vicinity of the rare plant population or rare ecological community.

6A)

Fence the edge of the construction right-of-way nearest to the population to avoid accidental encroachment.

6B)

Flag the edge of the construction right-of-way nearest to the population to avoid accidental encroachment.

6C)

Flag the edge of the shoo-fly nearest to the population to avoid accidental encroachment.

7)

Avoid taking extra temporary workspace in this area.

8)

If feasible, utilize the proposed right-of-way for travel.

9)

Construct a temporary travel surface using appropriate protective material (e.g., subsoil and geotextile or matting) in order to reduce soil and vegetation disturbance within the population extent. If matting is expected to be needed for more than one season and will not be in constant use during this time (e.g., matting installed during winter will remain until the following winter), matting should be removed prior to the growing season and replaced immediately before construction activities resume.

10)

Transplant the population (or a portion of the population) expected to be affected by construction to an appropriate habitat outside of the Footprint, during the growing season prior to construction.

11)

Salvage topsoil in the vicinity of this location, where grading is necessary. Salvage topsoil to a depth of up to 15 cm from within a 10 m radius of this location. Isolate topsoil from other spoil piles and identify by labeled stakes or flags. Redistribute salvaged topsoil over the construction right-of-way at the location from which it was salvaged.

12)

Pay particular attention to restoring pre-construction contours following construction near this population to ensure site microtopography and hydrology are maintained.
- F

Mitigation measures recommended for implementation during the Post-Construction/Operation Phase of the Project include:

13)

Monitor the effectiveness of implemented mitigation measures during rare plant Post-construction Environmental Monitoring.

14)

Avoid blanket use of herbicides within 30 m of, or between the ranges of, the provided UTM coordinates. Target spraying, wicking, mowing or hand-picking are acceptable weed control measures in proximity to rare plants and rare ecological communities and may be important to prevent competition with invasive plant species.

TABLE 7SK

RARE PLANTS AND RARE ECOLOGICAL COMMUNITIES OBSERVED ALONG THE ENBRIDGE LINE 3 REPLACEMENT ROUTE IN SASKATCHEWAN

SKP <sup>A</sup>	Species ( <i>Scientific Name</i> ) [Rank] <sup>B</sup>	UTM Coordinates	EAS Label	Legal Location	Abundance and Distribution	Relation to Footprint <sup>C</sup>	Mitigation		
							Planning Phase <sup>D</sup>	Construction Phase <sup>E</sup>	Post-Construction/ Operation Phase <sup>F</sup>
335.37 to 335.39	northern blue-eyed-grass ( <i>Sisyrinchium septentrionale</i> ) [S3?]	12U 611914E 5761564N 12U 611911E 5761569N 12U 611908E 5761570N 12U 611902E 5761577N	SISYSEP	NE 9-35-24 W3M	A total of 22 plants in a 20 m x 3 m area were observed in 2011.	This occurrence is located off the Footprint, approximately 19-24 m north of the trench line, between two existing pipelines.	--	7	--
359.96	least mouseltail ( <i>Myosurus minimus</i> ) [S2S3]	12U 632736E 5749675N	MYOSMIN	SW 4-34-22 W3M	Greater than 50 plants observed in a 15 m x 15 m area in 2014.	This occurrence is located approximately 14 m north of the trench line.	--	4, 9, 12	13, 14
406.15 to 406.19	few-flowered aster ( <i>Almutaster pauciflorus</i> ) [S3]	12U 674495E 5731877N 12U 674435E 5731817N 12U 674455E 5731812N	ALMUPAU	SW 3-32-18 W3M	More than 600 plants in a 64 m x 60 m area were observed in 2010.	This occurrence is located on and off the Footprint, from approximately 47 m north to 29 m south of the trench line.	--	4, 9, 12	13, 14
478.77	western smooth cliff-brake ( <i>Pellaea glabella</i> spp. <i>occidentalis</i> ) [S1S2]	13U 325586E 5705421N	PALLGLA	NE 8-29-11 W3M	Approximately 400 plants on a 4 m x 3 m glacial erratic were observed in 2007. This population was not included in post-construction monitoring efforts for AECF as it was off of the AECF right-of-way.	This occurrence is located off the Footprint, approximately 40 m south of the trench line.	--	6A	13
519.03 to 519.06	small lupine ( <i>Lupinus pusillus</i> ssp. <i>pusillus</i> ) [S3]	13U 362615E 5690586N 13U 362618E 5690576N 13U 362622E 5690525N	LUPIPUS	SE 31-27-7 W3M	A total of 39 plants in a 42 m x 65 m area along the east slope of the South Saskatchewan River valley were observed in June 2007.	This occurrence is located off the Footprint, approximately 42 m north of the trench line.	--	7	--
518.06 to 518.07	small-flowered sand-verbena ( <i>Tripterocalyx micranthus</i> ) [S1; Endangered]	13U 362616E 5690556N 13U 362617E 5690555N 13U 652618E 5690551N 13U 362619E 5690531N 13U 362614E 5690561N 13U 362620E 5690500N	TRIPMIC	SE 31-27-7 W3M	A total of 102 plants were observed in 2008 during vegetation surveys for the Enbridge ACEP. This population was not included in post-construction monitoring efforts as it was avoided on ACEP via horizontal directional drilling.  The population was revisited in June 2014. Approximately 94 plants were observed within a 64 m area.	The occurrence observed in 2008 was located off the Footprint, approximately 47 m north of the trench line.  The occurrence observed in June 2014 was located approximately 22 m north of the trench line and population extent continues off of the construction right-of-way.	--	6A, 7	13, 14
519.63	small lupine ( <i>Lupinus pusillus</i> ) [S3]	13U 363170E 5690298N	LUPIPUS	SW 32-27-7 W3M	A total of nine plants occurring on two subpopulations, with extents of 1.5-5 m, were observed in July 2013.	The southern subpopulation of this occurrence is located on the Footprint, approximately 22 m south of the trench line. The northern subpopulation is off the Footprint, approximately 40 m north of the trench line.	1	5A, 6B	13, 14
519.64 to 519.67	low milk-vetch ( <i>Astragalus lotiflorus</i> ) [S3]	13U 363162E 5690302N 13U 363192E 5690308N 13U 363204E 5690324N	ASTRLOT	SW 32-27-7 W3M	Approximately 56 plants within 3 subpopulations, each with an approximate extent of 1-9 m, were observed in July 2013.	This occurrence includes sub-populations that span the Footprint, from approximately 12 m north of the trench line to 20 m south of the trench line.	2	9, 10	13, 14
520.63 to 520.65	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 364092E 5689953N 13U 364099E 5690003N	BIDEFRO	SE 32-27-7 W3M	Five plants were observed in July 2013.	This occurrence includes four plants located on the Footprint, approximately 18 m south of the trench line, and one plant located off the Footprint, approximately 30 m north of the trench line.	1	6B, 7, 9	13, 14
520.64 to 520.65	narrow-leaved water plantain ( <i>Alisma gramineum</i> ) [S3]	13U 364093E 5689951N 13U 364100E 5689970N 13U 364109E 5689988N	ALISGRA	SE 32-27-7 W3M	Approximately 150 individuals within a 38 m x 2 m area were observed in July 2013.	This occurrence is located on the Footprint, spanning from approximately 21 m north to 19 m south of the trench line.	--	4, 9, 12	13, 14
568.06 to 568.08	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 403322E 5663760N 13U 403312E 5663767N 13U 403313E 5663761N 13U 403287E 5663739N 13U 403279E 5663717N	BIDEFRO	SE 8-25-3 W3M	Approximately 130 plants within 6 subpopulations, each with a 3-5 m extent, were observed in July 2013.	This occurrence is located on and off the Footprint, spanning from approximately 17 m north to 64 m south of the trench line.	1	9	13, 14
573.41	low milk-vetch ( <i>Astragalus lotiflorus</i> ) [S3]	13U 407692E 5660708N 13U 407859E 5660553N	ASTRLOT	NE 35-24-3 W3M	A single plant was observed in 2011.  There were five plants observed within a 1 m area in 2014.	The popution observed in 2011 is located on the Footprint, approximately 26 m south of the trench line.  This population observed in 2014 is located on the Footprint, approximately 18 m south of the trench line.	--	9, 5A, 7	13, 14
574.39 to 574.56	few-flowered aster ( <i>Almutaster pauciflorus</i> ) [S3]	13U 408532E 5660186N 13U 408582E 5660222N 13U 408689E 5660188N 13U 408696E 5660164N 13U 408622E 5660109N	ALMUPAU	SW 36-24-3 W3M	Between 300 and 500 plants in a 113 m x 164 m area were observed in 2010.	This occurrence is located on and off the Footprint, spanning from approximately 4 m north to 100 m south of the trench line.	--	4, 5A, 9	13, 14
602.45 to 602.50	northern blue-eyed-grass ( <i>Sisyrinchium septentrionale</i> ) [S3?]	13U 431237E 5643763N 13U 431186E 5643772N	SISYSEP	SW 10-23-29 W2M	Approximately 17 plants observed within 2 subpopulations, each with an extent of less than 1 m, were observed in 2014.	This occurrence is located on the Footprint, spanning from approximately 10 m south to 20 m south of the trench line.	--	9	13, 14
603.20	moss gentian ( <i>Gentiana fremontii</i> ) [S2]	13U 431825E 5643388N	GENTFRE	SE 10-23-29 W2M	More than 50 plants in a 2 m x 5 m area were observed in July of 2013.	This occurrence is located on the Footprint, approximately 18 m south of the trench line.	--	5A, 9, 12	13, 14
603.20	moss gentian ( <i>Gentiana fremontii</i> ) [S2]	13U 431827E 5643380N	GENTFRE	SE 10-23-29 W2M	There were two plants located less than 1 cm apart that were observed in June 2014.	This occurrence is located 45 m south of the trench line.	--	7, 12	13, 14
603.21	Crawe's sedge ( <i>Carex crawei</i> ) [S1]	13U 431834E 5643385N	CARECRA	SE 10-23-29 W2M	More than 100 plants within a 2 m x 9 m area were observed in July 2013	This occurrence is located on the Footprint, approximately 16 m south of the trench line.	--	5A, 9, 12	13, 14

TABLE 7SK Cont'd

SKP <sup>A</sup>	Species ( <i>Scientific Name</i> ) [Rank] <sup>B</sup>	UTM Coordinates	EAS Label	Legal Location	Abundance and Distribution	Relation to Footprint <sup>C</sup>	Mitigation		
							Planning Phase <sup>D</sup>	Construction Phase <sup>E</sup>	Post-Construction/ Operation Phase <sup>F</sup>
604.23 to 604.24	narrow-leaved water plantain ( <i>Alisma gramineum</i> ) [S3]	13U 432535E 5642946N	ALISGRA	NW 2-23-29 W2M	More than 20 plants in a 5 m x 2 m area were observed in July 2013. Abundance and distribution are estimated as the habitat was submerged. The population was revisited in June 2014 and the habitat was still submerged.	This occurrence was observed off the Footprint, approximately 45 m north of the trench line.	--	7, 12	13, 14
605.43	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 433567E 5642325N 13U 433550E 5642331N	BIDEFRO	NE 2-23-29 W2M	Approximately 180 plants within 6 subpopulations, each with an extent of approximately 3 m², were observed in 2013.	This occurrence is located on the Footprint, spanning from approximately 6 m north to 6 m south of the trench line.	1	9, 4	13, 14
609.52	moss gentian ( <i>Gentiana fremontii</i> ) [S2]	13U 436892E 5640089N 13U 436889E 5640092N	GENTFRE	SE 36-22-29 W2M	Approximately 114 plants in four patches within a 7 m x 2 m area were observed in July of 2013.	This occurrence is located on the Footprint, approximately 15 m south of the trench line.	2	5A, 9, 10, 12	13, 14
610.15	Macoun's cryptantha ( <i>Crypantha celosioides</i> ) [S1]	13U 437402E 5639729N	CRYPCEL	NE 25-22-29 W2M	Approximately 54 plants within a 3 m x 1 m area were observed in July 2013.	This occurrence is located on the Footprint, approximately 17 m south of the trench line.	--	5A, 6A	13, 14
615.56	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 441846E 5636644N 13U 441786E 5636671N	BIDEFRO	SE 21-22-28 W2M	More than 160 plants within 3 subpopulations, each with an extent of 3-10 m, were observed in July 2013.	This occurrence is located on the Footprint, between 5-18 m south of the trench line.	1	9	13, 14
Between 625.30 and 625.40	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 449861E 5631331N 13U 449916E 5631335N 13U 449941E 5631319N 13U 449946E 5631297N	BIDEFRO	NE 32-21-27 W2M	Approximately 61 plants within 4 subpopulations, each with an extent of 3-5 m, were observed in August 2013.	This occurrence is located on the Footprint, spanning from approximately 3 m north to 21 m south of the trench line.	1	9	13, 14
Between 626.05 and 626.16	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 450461E 5630928N 13U 450490E 5630843N 13U 450505E 5630838N 13U 450508E 5630838N 13U 450524E 5630843N	BIDEFRO	NE 32-21-27 W2M	Approximately 175 plants within 5 subpopulations, each with an extent of 1-5 m, were observed in July 2013.	This occurrence is located on and off the Footprint, from approximately 30 m north to 59 m south of the trench line.	1	6B, 6C	13, 14
676.10 to 676.17	prairie dunewort ( <i>Botrychium campestre</i> ) [S1]	13U 491113E 5602364N 13U 491113E 5602340N 13U 491119E 5602346N 13U 491123E 5602341N 13U 491125E 5602360N 13U 491190E 5602364N 13U 491102E 5602341N	BOTRCAM	SE 4-19-23 W2M	A total of 51 plants in a 24 m x 88 m area were observed in 2010.	This occurrence is located on and off the Footprint, spanning from approximately 39 m north to 25 m south of the trench line.	2	3, 9, 10	13, 14
889.09	crystalwort ( <i>Riccia fluitans</i> ) [SNR]	13U 687100E 5548895N	RICCFU	SW 8-13-3 W2M	Approximately 270,000 plants in a 30 m x 30 m area were observed in July 2013.	This occurrence is located off the Footprint, approximately 89 m south of the trench line.	--	6C,12	--
897.64 to 897.66	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 695284E 5546904N 13U 695284E 5546919N 13U 695291E 5546899N 13U 695297E 5546921N 13U 695298E 5546914N	BIDEFRO	NW 31-12-2 W2M	More than 100 plants around a 25-30 m diameter watering hole were observed in 2011.	This occurrence is located on and off the Footprint, from approximately 17-40 m south of the trench line.	1	5A	13,14
904.25 to 904.32	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 701510E 5545524N 13U 701519E 5545525N 13U 701533E 5545507N 13U 701578E 5545510N 13U 701548E 5545527N	BIDEFRO	NW 26-12-2 W2M	Approximately 200 plants within 5 subpopulations, each with an extent of 1-10 m, were observed in August 2013.	This occurrence is located on the northern edge of the Footprint. Sub-populations occur from approximately 18-42 m north of the trench line.	--	6B	13, 14
904.93	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 702080E 5545318N	BIDEFRO	NW 26-12-2 W2M	A total of 13 plants in a 1 m x 1 m area were observed in August 2013.	This occurrence is located on the Footprint, approximately 7 m west of the trench line.	1	9	13, 14
915.64 to 915.65	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	13U 711511E 5541548N 13U 711517E 5541546N 13U 711522E 5541548N 13U 711525E 5541546N	BIDEFRO	SW 14-12-1 W2M	A total of 31 plants in a 10 m² area were observed in August 2013.	This occurrence is located on the Footprint, approximately 1-3 m south of the trench line.	1	11	13, 14
948.53 to 948.54	crystalwort ( <i>Riccia fluitans</i> ) [SNR]	14U 310560E 5527233N	RICCFU	NW 28-10-31 WPM	Plants at a density of approximately 100 individuals per m², making up approximately 5% of the vegetation in the standing water, were observed in July 2013.	This occurrence is located on the Footprint, approximately 14 m south of the trench line.	--	9, 12	13, 14
Between 964.89 and 964.98	tall beggar's-ticks ( <i>Bidens frondosa</i> ) [S2S3]	14U 325476E 5520792N 14U 325548E 5520693N 14U 325487E 5520712N 14U 325497E 5520722N 14U 325499E 5520682N 14U 325502E 5520672N 14U 325504E 5520701N 14U 325517E 5520662N	BIDEFRO	SE 12-10-30 WPM	Approximately 450 plants within 8 subpopulations, each with an extent of 1-10 m, were observed in August 2013.	This occurrence is located on and off the Footprint. Sub-populations occur from 5 m north to 40 m south of the trench line.	1	9	13, 14

Notes: A All Environment SKP locations are approximate.  
B See the Rare Plant and Plant Community Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of rarity ranks.  
C The construction right-of-way Footprint will typically be 45 m wide.



TABLE 7SK Cont'd

- D
- Mitigation measures recommended for implementation during the Planning Phase of the Project include:
- 1

If feasible, schedule construction to occur after the seed set period to enhance the survival of the population.
- 2)

Obtain agreement with landowners regarding transplant receiving sites, where identified on private lands. Receiving sites are typically placed adjacent to the proposed Footprint, where appropriate habitat can be found near the construction right-of-way.
- E
- Mitigation measures recommended for implementation during the Construction Phase of the Project include:
- 3)

Consider extending the road bore to avoid the rare plant population and, if applicable, the associated wetland.
- 4)

Leave a gap in the spoil pile within a 10 m radius of this population and flag/stake with flagging tape and/or lathe as appropriate around the occurrence area to avoid accidental encroachment.
- 5A)

Narrow the construction right-of-way, to the extent feasible, in the vicinity of the rare plant population or rare ecological community.
- 5B)

Narrow the temporary workspace, to the extent feasible, in the vicinity of the rare plant population or rare ecological community.
- 6A)

Fence the edge of the construction right-of-way nearest to the population to avoid accidental encroachment.
- 6B)

Flag the edge of the construction right-of-way nearest to the population to avoid accidental encroachment.
- 6C)

Flag the edge of the shoo-fly nearest to the population to avoid accidental encroachment.
- 7)

Avoid taking extra temporary workspace in this area.
- 8)

If feasible, utilize the proposed right-of-way for travel.
- 9)

Construct a temporary travel surface using appropriate protective material (*e.g.*, subsoil and geotextile or matting) in order to reduce soil and vegetation disturbance within the population extent. If matting is expected to be needed for more than one season and will not be in constant use during this time (*e.g.*, matting installed during winter will remain until the following winter), matting should be removed prior to the growing season and replaced immediately before construction activities resume.
- 10)

Transplant the population (or a portion of the population) expected to be affected by construction to an appropriate habitat outside of the Footprint, during the growing season prior to construction.
- 11)

Salvage topsoil in the vicinity of this location, where grading is necessary. Salvage topsoil to a depth of up to 15 cm from within a 10 m radius of this location. Isolate topsoil from other spoil piles and identify by labeled stakes or flags. Redistribute salvaged topsoil over the construction right-of-way at the location from which it was salvaged.
- 12)

Pay particular attention to restoring pre-construction contours following construction near this population to ensure site microtopography and hydrology are maintained.
- F
- Mitigation measures recommended for implementation during the Post-Construction/Operation Phase of the Project include:
- 13)

Monitor the effectiveness of implemented mitigation measures during rare plant Post-construction Environmental Monitoring.
- 14)

Avoid blanket use of herbicides within 30 m of, or between the ranges of, the provided UTM coordinates. Target spraying, wicking, mowing or hand-picking are acceptable weed control measures in proximity to rare plants and rare ecological communities and may be important to prevent competition with invasive plant species.

TABLE 7MB

RARE PLANTS AND RARE ECOLOGICAL COMMUNITIES OBSERVED ALONG THE ENBRIDGE LINE 3 REPLACEMENT ROUTE IN MANITOBA

SKP <sup>A</sup>	Species ( <i>Scientific Name</i> ) [Rank] <sup>B</sup>	UTM Coordinates	EAS Label	Legal Location	Abundance and Distribution	Relation to Footprint <sup>C</sup>	Mitigation		
							Planning Phase <sup>D</sup>	Construction Phase <sup>E</sup>	Post-Construction/ Operation Phase <sup>F</sup>
971.73	green needlegrass ( <i>Nassella viridula</i> ) [S3]	14U 331798E 5518254N	NASSVIR	NE 34-9-29 WPM	More than 100 plants extending for at least 30 m were observed in 2011.	This occurrence is located off the Footprint, approximately 45 m north of the trench line.	--	7	--
971.73	golden-bean ( <i>Thermopsis rhombifolia</i> ) [S2]	14U 331798E 5518254N	THERRHO	NE 34-9-29 WPM	More than 100 plants extending for at least 30 m were observed in 2011.	This occurrence is located off the Footprint approximately 45 m north of the trench line.	--	7	--
1009.65	eastern yellow stargrass ( <i>Hypoxis hirsuta</i> ) [S4]	14U 366726E 5509523N 14U 366733E 5509476N	HYPOHIR	NW 5-9-25 WPM	Approximately 72 plants in two subpopulations.	This occurrence is located both on and off the Footprint, starting from 20 m south of the trench line and extending south greater than 60 m from the trench line.	--	9	13, 14
1013.91	Schweinitz's flatsedge ( <i>Cyperus schweinitzii</i> ) [S2]	14U 370977E 5509373N	CYPESCH	NE 3-9-25 WPM	Approximately 60-75 plants in a 5 m x 20 m area were observed in 2010.	This occurrence is located on the Footprint, approximately 9 m south of the trench line.	--	5A, 9	13, 14
1026.36	sand bluestem ( <i>Andropogon hallii</i> ) [S2]	14U 383062E 5507188N	ANDRHAL	NW 36-8-24 WPM	At least three clumps were observed in 2010.	This occurrence is located on the Footprint, approximately 22 m north of the trench line in the east road trench and east of the fenced road trench.	--	3, 6A, 9	13, 14
1032.85 to 1032.91	Schweinitz's flatsedge ( <i>Cyperus schweinitzii</i> ) [S2]	14U 389354E 5505873N 14U 389385E 5505875N 14U 389363E 5505874N 14U 389390E 5505873N 14U 389361E 5505833N 14U 389407E 5505826N	CYPESCH	SE 33-8-23 WPM	Approximately 200 clumps were observed in a 48 m x 46 m area in 2011.	This occurrence is located on and off the Footprint, from approximately 39 m north to 16 m south of the trench line.	--	5A, 9, 11	13, 14
1032.86 to 1032.89	sand bluestem ( <i>Andropogon hallii</i> ) [S2S3]	14U 389385E 5505825N 14U 389381E 5505826N 14U 389363E 5505829N 14U 389359E 5505829N 14U 389393E 5505859N 14U 389389E 5505859N	ANDRHAL	SE 33-8-23 WPM	Approximately 100 stalks were observed within a 34 m x 25 m area in 2012.	This occurrence is located on the Footprint, spanning from approximately 15 m north to 20 m south of the trench line.	--	5A, 9, 11	13, 14
1032.85 to 1032.91	Schweinitz's flatsedge ( <i>Cyperus schweinitzii</i> ) [S2]	14U 389355E 5505878N 14U 389424E 5505869N 14U 389440E 5505823N 14U 389398E 5505828N 14U 389407E 5505825N	CYPESCH	SE 33-8-23 WPM	A total of 48 plants and 56 clumps within 3 patches were observed in 2010.	This occurrence is located on and off the Footprint. One patch is located 28-30 m north of the trench line, one patch is located 14 m south of the trench line and one patch is located 15-17 m south of the trench line.	--	5A, 9, 11	13, 14
1034.57	common tall sunflower ( <i>Helianthus nuttallii</i> var. <i>rydbergii</i> ) [S2]	14U 391019E 5505485N 14U 391020E 5505492N	HELINUT	NE 27-8-23 WPM	More than 150 plants in a greater than 100 m x 20 m area were observed in 2010.	This occurrence is located on the Footprint, approximately 24 m and 31 m south of the trench line.	--	5B, 9	13, 14
1034.75 to 1034.78	eastern yellow stargrass ( <i>Hypoxis hirsuta</i> ) [S4]	14U 391208E 5505503N 14U 391219E 5505504N 14U 391223E 5505498N 14U 391227E 5505501N 14U 391233E 5505496N 14U 391239E 5505500N	HYPOHIR	NW 26-8-23 WPM	More than 100 plants in a 30 m x 10 m area were observed in 2011.	This occurrence is located on the Footprint, from approximately 5 m to 15 m south of the trench line.	--	9	13, 14
1043.12	bracted vervain ( <i>Verbena bracteata</i> ) [S3]	14U 399349E 5503720N	VERBBRA	NE 21-8-22 WPM	A total of 4 plants in a 1 m x 1 m area were observed in 2010.	This occurrence is located off the Footprint, approximately 35 m north of the trench line.	--	7	--
1072.67	crystalwort ( <i>Riccia fluitans</i> ) [SNR]	14U 427832E 5496705N	RICCFLU	NW 33-7-19 WPM	Approximately 270,000 individuals in a 30 m x 30 m area were observed in July 2013.	This occurrence is located on the northern edge of the Footprint, approximately 18 m north of the trench line.	--	5A, 6B	13
1073.95	crystalwort ( <i>Riccia fluitans</i> ) [SNR]	14U 429059E 5496396N	RICCFLU	NW 34-7-19 WPM	Approximately 800,000 individuals in a 20 m x 20 m area were observed in July 2013.	This occurrence is located on the Footprint, approximately 27 m south of the trench line.	--	5A, 9, 12	13, 14
1135.50	sprangletop community ( <i>Scolochloa festuacea</i> community) [S3S4]	14U 487870E 5484245N 14U 487874E 5484255N	SCOLFEScom	SW 28-6-13 WPM	This community was observed in an area of 10 m x 50 m in July 2013.	This community is located off the Footprint, from approximately 50-60 m south of the trench line.	--	7	--
1136.54 to 1136.57	silvery atriplex ( <i>Atriplex argentea</i> ) [S2]	14U 488876E 5483881N 14U 488879E 5483932N 14U 488872E 5483908N 14U 488855E 5483911N 14U 488848E 5483892N	ATRIARG	SW 27-6-13 WPM	Approximately 310 plants, within 5 subpopulations, each with an approximate extent of 5-10 m <sup>2</sup> , were observed in July 2013.	This occurrence is located on and off the Footprint, from approximately 2-50 m north of the trench line.	1	5A, 4, 11	13, 14
1143.55 to 1143.58	green needlegrass ( <i>Nassella viridula</i> ) [S3]	14U 494663E 5481451N 14U 494673E 5481453N 14U 494672E 5481478N 14U 494660E 5481479N	NASSVIR	NE 18-6-12 WPM	A total of seven patches of plants, each with an extent of approximately 3 m <sup>2</sup> , were observed in August 2013.	This occurrence is located on the Footprint, from approximately 6 m north to 18 m south of the trench line.	--	4, 5A, 6A	13, 14
1148.02	common tall sunflower ( <i>Helianthus nuttallii</i> var. <i>rydbergii</i> ) [S2]	14U 498753E 5480417N	HELIRYD	SW 15-6-12 WPM	A total of 35 plants in an area of 5 m x 1 m were observed in August 2013.	This occurrence is located on the Footprint, approximately 17 m south of the trench line.	--	5A, 9	13, 14
1149.33	Bur oak - Saskatoon - sarsaparilla - assiniboia community ( <i>Quercus macrocarpa</i> / <i>Amelanchier alnifolia</i> / <i>Aralia nudicaulis</i> - <i>Carex assiniboinensis</i> forest) (S3?)	14U 500062E 5480433N	QUERoakforest	SE 15-6-12 WPM	The community was observed in an area 200 m x 130 m, in August 2013.	This community is located on and off the Footprint, spanning the width of the Footprint at this location.	--	5A	13,14

TABLE 7MB Cont'd

Notes:	A	All Environment SKP locations are approximate.
	B	See the Rare Plant and Plant Community Rankings Table in the Legend/Glossary of these EAS Index Sheets for definitions of rarity ranks.
	C	The construction right-of-way Footprint will typically be 45 m wide.
	D	Mitigation measures recommended for implementation during the Planning Phase of the Project include: <div><div>1</div><div>If feasible, schedule construction to occur after the seed set period to enhance the survival of the population.</div></div> <div><div>2)</div><div>Obtain agreement with landowners regarding transplant receiving sites, where identified on private lands. Receiving sites are typically placed adjacent to the proposed Footprint, where appropriate habitat can be found near the construction right-of-way.</div></div>
	E	Mitigation measures recommended for implementation during the Construction Phase of the Project include: <div><div>3)</div><div>Consider extending the road bore to avoid the rare plant population and, if applicable, the associated wetland.</div></div> <div><div>4)</div><div>Leave a gap in the spoil pile within a 10 m radius of this population and flag/stake with flagging tape and/or lathe as appropriate around the occurrence area to avoid accidental encroachment.</div></div> <div><div>5A)</div><div>Narrow the construction right-of-way, to the extent feasible, in the vicinity of the rare plant population or rare ecological community.</div></div> <div><div>5B)</div><div>Narrow the temporary workspace, to the extent feasible, in the vicinity of the rare plant population or rare ecological community.</div></div> <div><div>6A)</div><div>Fence the edge of the construction right-of-way nearest to the population to avoid accidental encroachment.</div></div> <div><div>6B)</div><div>Flag the edge of the construction right-of-way nearest to the population to avoid accidental encroachment.</div></div> <div><div>6C)</div><div>Flag the edge of the shoo-fly nearest to the population to avoid accidental encroachment.</div></div> <div><div>7)</div><div>Avoid taking extra temporary workspace in this area.</div></div> <div><div>8)</div><div>If feasible, utilize the proposed right-of-way for travel.</div></div> <div><div>9)</div><div>Construct a temporary travel surface using appropriate protective material (<i>e.g.</i>, subsoil and geotextile or matting) in order to reduce soil and vegetation disturbance within the population extent. If matting is expected to be needed for more than one season and will not be in constant use during this time (<i>e.g.</i>, matting installed during winter will remain until the following winter), matting should be removed prior to the growing season and replaced immediately before construction activities resume.</div></div> <div><div>10)</div><div>Transplant the population (or a portion of the population) expected to be affected by construction to an appropriate habitat outside of the Footprint, during the growing season prior to construction.</div></div> <div><div>11)</div><div>Salvage topsoil in the vicinity of this location, where grading is necessary. Salvage topsoil to a depth of up to 15 cm from within a 10 m radius of this location. Isolate topsoil from other spoil piles and identify by labeled stakes or flags. Redistribute salvaged topsoil over the construction right-of-way at the location from which it was salvaged.</div></div> <div><div>12)</div><div>Pay particular attention to restoring pre-construction contours following construction near this population to ensure site microtopography and hydrology are maintained.</div></div>

TABLE 8

SOCIO-ECONOMIC FEATURES ALONG THE ENBRIDGE LINE 3 REPLACEMENT ROUTE

SKP <sup>1</sup>	UTM Coordinates	Legal Location	Feature	Concern/Issue	Mitigation
518.20 to 519.10	13U 361789E 5690724N	NW-31-27-07 W3M	South Saskatchewan Paddling Route	Physical disturbance to recreational areas Interference with navigation of watercourses used for recreational activities	Refer to the Pipeline EPP for notification requirements, timing restrictions and for measures to be implemented during construction.
518.98	13U 362534E 5690506N	SE-31-27-07 W3M	Trans Canada Trail	Physical disturbance to recreational areas	
527.80	13U 370187E 5686219N	NW-13-27-07 W3M	Trans Canada Adventure Trail	Physical disturbance to recreational areas	
588.22	13U 419767E 5652193N	SW-06-24-01 W3M	Trans Canada Trail	Physical disturbance to recreational areas	
616.38	13U 442518E 5636181N	NE-16-22-28 W2M	Trans Canada Trail	Physical disturbance to recreational areas	
670.20	13U 486302E 5605582N	SW-18-19-23 W2M	Qu'appelle River Route	Physical disturbance to recreational areas Interference with navigation of watercourses used for recreational activities	
676.40	13U 491366E 5602204N	SW-03-19-23 W2M	Trans Canada Trail	Physical disturbance to recreational areas	
858.20	13U 658116E 5555345N	NE-32-13-06 W2M	Snowmobile Trail	Physical disturbance to recreational areas	
871.80	13U 670163E 5551321N	NE-16-13-05 W2M	Snowmobile Trail	Physical disturbance to recreational areas	
1022.70	14U 379701E 5508585N	NE-4-9-24 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1033.00	14U 389503E 5505827N	NE-28-8-23 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1036.20	14U 392644E 5505335N	NE-26-8-23 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1093.70	14U 448256E 5492913N	NE-21-7-17 WPM	Souris River Paddling Route	Physical disturbance to recreational areas Interference with navigation of watercourses used for recreational activities	
1095.70	14U 450100E 5492496N	SE-22-7-17 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1121.50	14U 474775E 5488350N	NE-6-7-14 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1125.00	14U 478195E 5487620N	NW-3-7-14 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1149.37	14U 500104E 5480439N	SW-14-6-12 WPM	Trans Canada Trail	Physical disturbance to recreational areas	
1151.80	14U 500647E 5478399N	SW-11-6-12 WPM	Trans Canada Trail	Physical disturbance to recreational areas	
1166.00	14U 513198E 5472357N	SE-24-5-11 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1184.70	14U 529630E 5464026N	SE-27-4-9 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1214.56	14U 556237E 5454703N	SW-28-3-6 WPM	Trans Canada Trail	Physical disturbance to recreational areas	
1250.00	14U 579666E 5441448N	SW-14-2-4 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1259.00	14U 587906E 5437840N	NW-34-1-3 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1267.18	14U 595300E 5434360N	NW-20-1-2 WPM	Trans Canada Trail	Physical disturbance to recreational areas	
1277.20	14U 604451E 5430574N	SW-8-1-1 WPM	Snowmobile Trail	Physical disturbance to recreational areas	
1278.07	14U 605229E 5430854N	SW-8-1-1 WPM	Trans Canada Trail	Physical disturbance to recreational areas	

Note: 1 All SKP locations are approximate.

TABLE 9

RECOMMENDED VEHICLE CLEANING STATION LOCATIONS ALONG THE ENBRIDGE LINE 3 REPLACEMENT ROUTE

SKP <sup>1</sup>	UTM Coordinates	Legal Location	Concern/Issue	Mitigation
284.87 to 285.07	12U 568000E 5784841N	NE-25-37-29 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
300.03 to 300.23	12U 580620E 5777685N	NE-32-36-27 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
319.15 to 319.35	12U 597645E 5769167N	NE-1-36-26 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
355.51 to 355.71	12U 629050E 5751857N	SW-7-34-22 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
359.94 to 360.14	12U 632710E 5749673N	NW-33-33-22 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
367.44 to 367.64	12U 638971E 5746137N	NW-19-33-21 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
400.09 to 400.29	12U 668697E 5733687N	SW-7-32-18 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
432.01 to 432.21	12U 698506E 5723790N	NE-1-31-16 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
435.11 to 435.31	12U 701444E 5722806N	NW-32-30-15 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
464.80 to 465.00	13U 313196E 5711446N	SE-36-29-13 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
486.17 to 486.37	13U 332456E 5702897N	SE-1-29-11 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
516.90 to 517.10	13U 361655E 5690763N	NW-31-27-7 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
564.48 to 564.68	13U 400348E 5665778N	NW-18-25-3 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
572.22 to 572.42	13U 406724E 5661400N	NE-34-24-3 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
600.27 to 600.47	13U 429361E 5644957N	SE-13-23-1 W3M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
634.97 to 635.17	13U 456949E 5624826N	NW-7-21-26 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
676.33 to 676.53	13U 491306E 5602243N	NW-33-18-23 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
697.72 to 697.92	13U 507490E 5589291N	SE-25-17-22 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
730.37 to 730.57	13U 536824E 5582286N	NE-36-16-19 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
750.38 to 750.58	13U 556394E 5580585N	SW-30-16-16 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
760.38 to 760.58	13U 566181E 5579406N	NW-19-16-15 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
792.96 to 793.16	13U 595715E 5567318N	NW-7-15-12 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
824.53 to 824.73	13U 625877E 5561574N	NW-19-14-9 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
855.30 to 855.50	13U 655301E 5556037N	SE-1-14-7 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
886.74 to 886.94	13U 684826E 5549477N	SE-12-13-4 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
894.87 to 895.07	13U 692628E 5547387N	NE-35-12-3 W2M	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
918.92 to 919.12	13U 714545E 5540306N	SE-1-12-34 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
944.11 to 944.31	14U 306620E 5529240N	NE-36-10-32 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
965.47 to 965.67	14U 325986E 5520508N	NW-6-10-29 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
969.60 to 969.80	14U 329789E 5518899N	NW-33-9-29 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1007.87 to 1008.07	14U 364950E 5509612N	NE-1-9-26 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1037.97 to 1038.17	14U 394383E 5505065N	NW-30-8-22 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1068.34 to 1068.54	14U 423856E 5497933N	NE-1-8-20 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1099.78 to 1099.98	14U 453348E 5491227N	NE-13-7-17 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1129.17 to 1129.37	14U 482065E 5486732N	NW-36-6-14 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1142.33 to 1142.53	14U 493480E 5481469N	NE-13-6-13 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1178.49 to 1178.69	14U 524359E 5467004N	SE-6-5-9 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1210.80 to 1211.00	14U 552785E 5455170N	NE-25-3-7 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)
1253.47 to 1253.67	14U 582845E 5440061N	SW-7-2-3 WPM	Municipal Boundary	Level 4 Vehicle Cleaning (Disinfection)

Note: 1 All SKP locations are approximate. Final vehicle cleaning station locations will be determined based upon the direction of construction activities.

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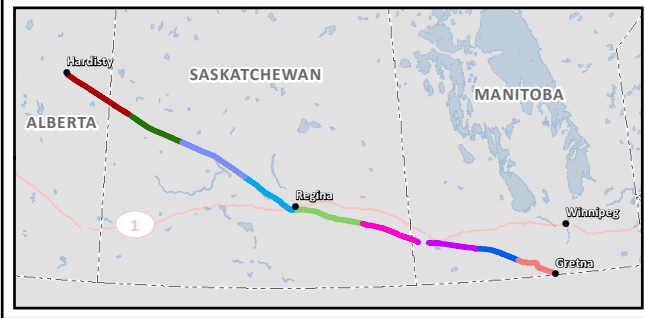
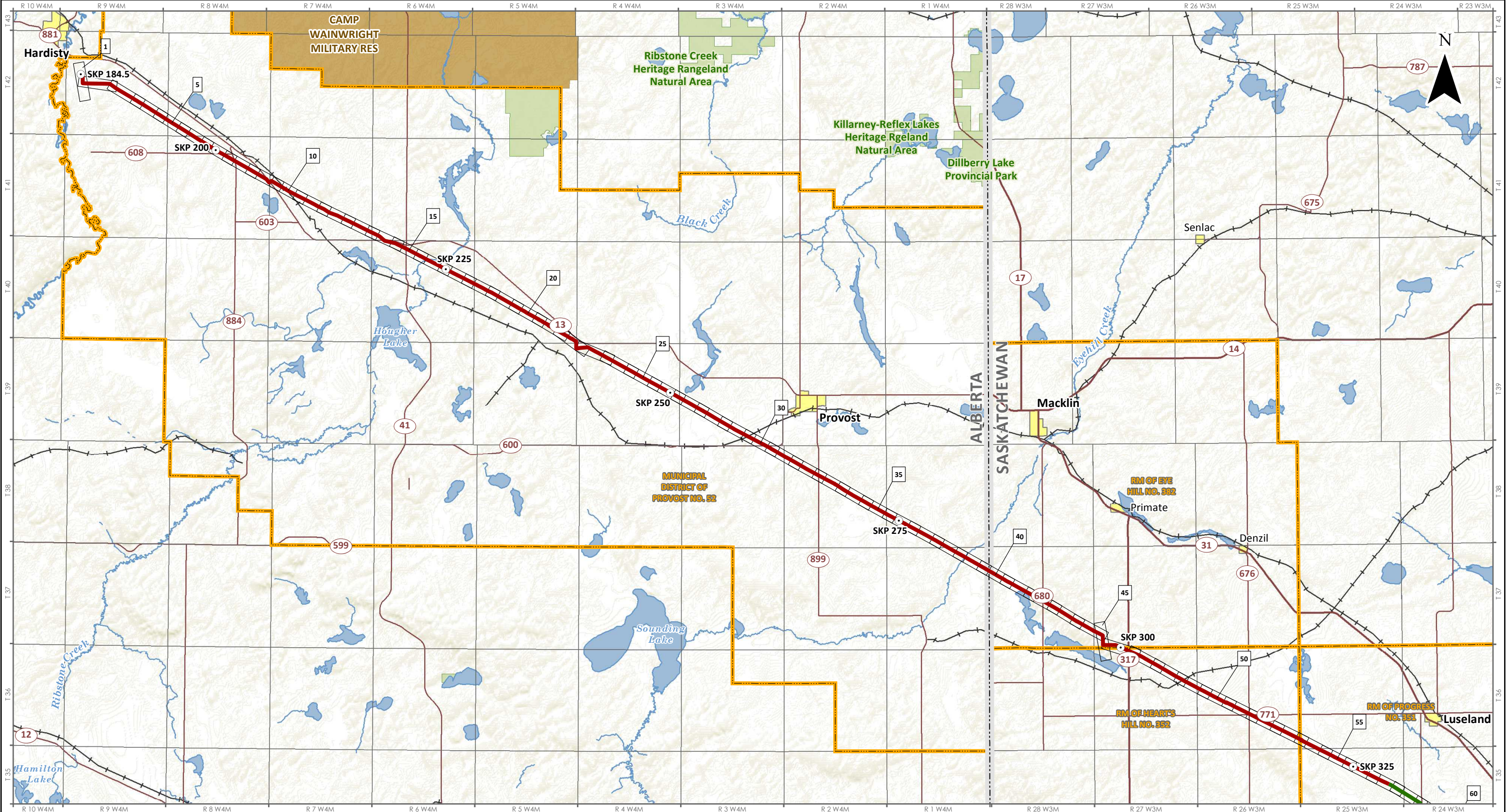
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CONSTRUCTION SPREADS		
Line	Contractor & Spread	Construction Timing
1	1	Summer 2016
2	2	Winter 2017
3	3	Summer 2016
4	4	Winter 2017
5	5	Summer 2016
6	6	Winter 2017
7	7	Summer 2017
8	8	Summer 2017
9	9	Summer 2017


LEGEND	
	Station Kilometre Post (R1, 140624)
	Environmental Alignment Sheet Frame
	Provincial Border
	Municipal Boundary
	Highway
	Railway
	Military
	City/Town Boundary
	Indian Reserve
	Parks & Protected Area

SOURCES	
UTM Zone 12, 13 & 14N	
Hillshade: TERA Environmental Consultants 2008; Proposed Pipeline Current to June 2014 (Rev1); AB Roads: NRCan 2013; SK & MB Roads: NRCan 2012; Rural Municipalities/Cities/Towns: ISCS 2014, MCPS 2007, AltaUS 2014; Hydrography: IHS Inc. 2004; Railways: USNIMA 2000; Indian Reserves: Government of Canada 2014 and IHS Inc. 2013; Parks & Protected Areas: ATPR 2012, ISCS 2014 and MDC 2011; Military: IHS Inc. 2013; Provincial Boundaries: ESRI 2005.	



**LINE 3 REPLACEMENT PROGRAM**

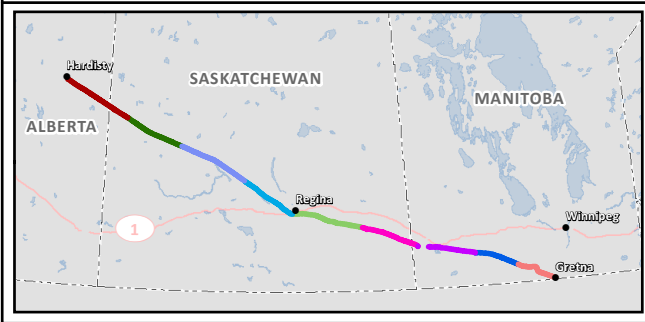
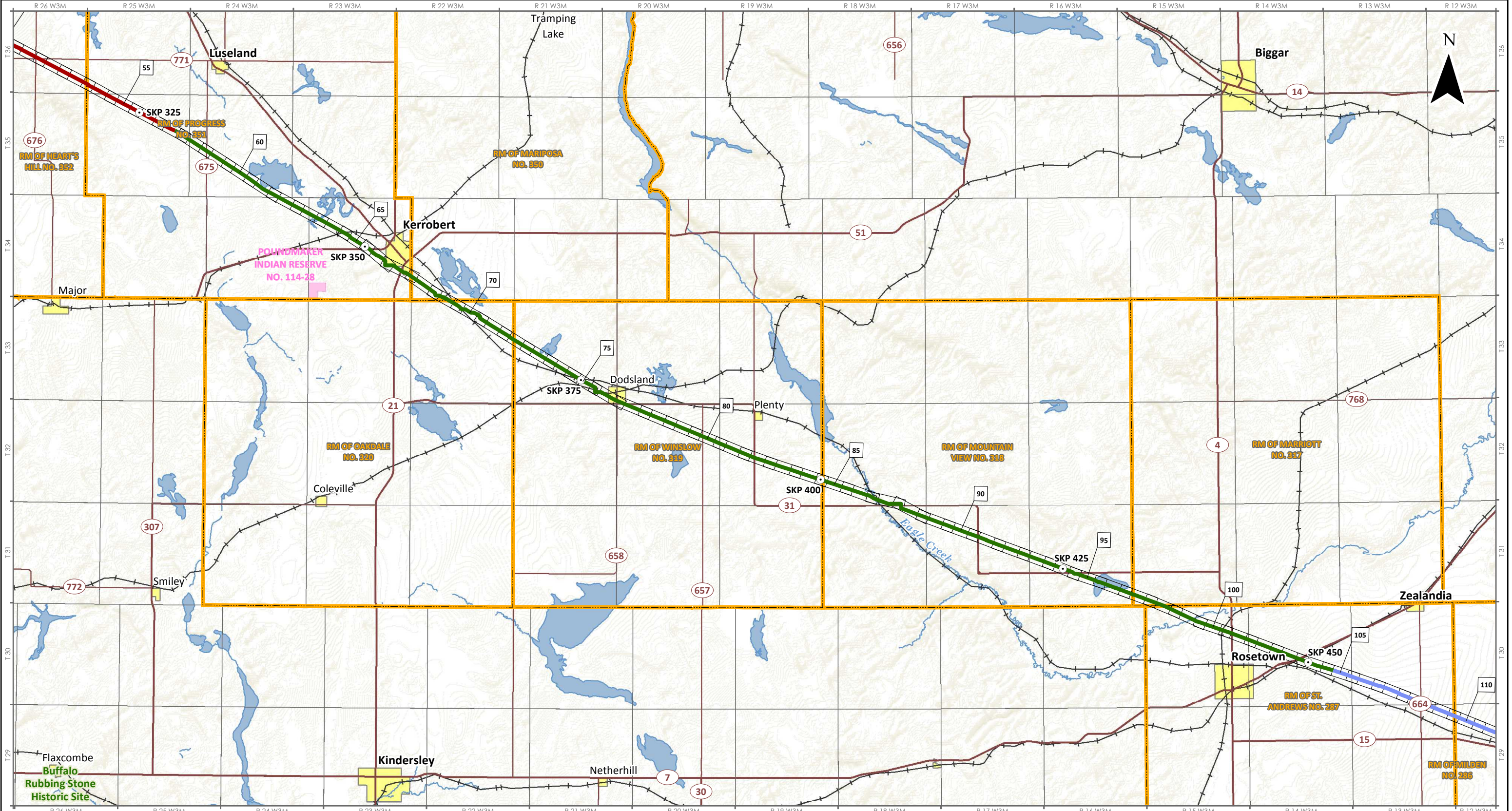
ENVIRONMENTAL ALIGNMENT  
SHEETS INDEX MAP



A  
CH2M HILL  
Company

DATE: November 2014	L3RP_EAS_IndexMaps_R1_20_10_2014
SCALE: 1:350,000	SHEET: 1 of 9






CONSTRUCTION SPREADS		
Line	Contractor & Spread	Construction Timing
1	1	Summer 2016
2	2	Winter 2017
3	3	Summer 2016
4	4	Winter 2017
5	5	Summer 2016
6	6	Winter 2017
7	7	Summer 2017
8	8	Summer 2017
9	9	Summer 2017


LEGEND	
	Station Kilometre Post (R1, 140624)
	Environmental Alignment Sheet Frame
	Provincial Border
	Municipal Boundary
	Highway
	Railway
	Military
	City/Town Boundary
	Indian Reserve
	Parks & Protected Area

SOURCES
UTM Zone 12, 13 & 14N Hillshade: TERA Environmental Consultants 2008; Proposed Pipeline Current to June 2014 (Rev1); AB Roads: NRCan 2013; SK & MB Roads: NRCan 2012; Rural Municipalities/Cities/Towns: ISCS 2014, MCPS 2007, AltaUS 2014; Hydrography: IHS Inc. 2004; Railways: USNIMA 2000; Indian Reserves: Government of Canada 2014 and IHS Inc. 2013; Parks & Protected Areas: ATPR 2012, ISCS 2014 and MDC 2011; Military: IHS Inc. 2013; Provincial Boundaries: ESRI 2005.



**LINE 3 REPLACEMENT PROGRAM**

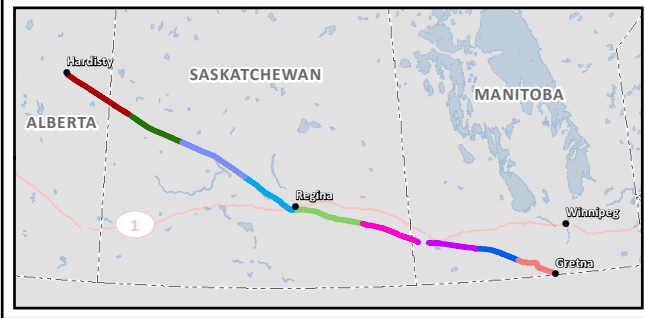
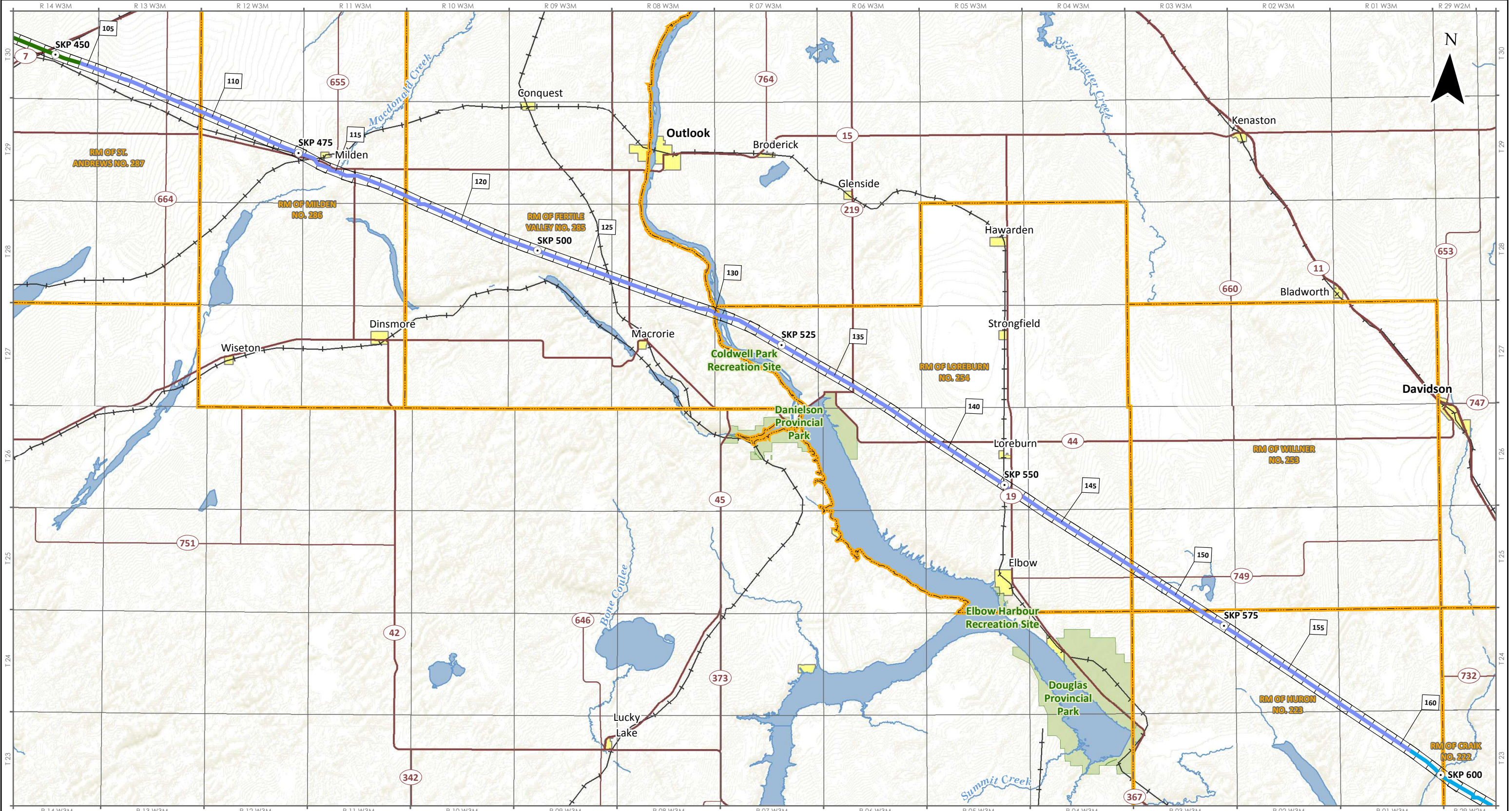
ENVIRONMENTAL ALIGNMENT  
SHEETS INDEX MAP



A  
CH2M HILL  
Company

DATE: November 2014	L3RP_EAS_IndexMaps_R1_20_10_2014
SCALE: 1:350,000	SHEET: 2 of 9






CONSTRUCTION SPREADS		
Line	Contractor & Spread	Construction Timing
1	1	Summer 2016
2	2	Winter 2017
3	3	Summer 2016
4	4	Winter 2017
5	5	Summer 2016
6	6	Winter 2017
7	7	Summer 2017
8	8	Summer 2017
9	9	Summer 2017


LEGEND	
	Station Kilometre Post (R1, 140624)
	Environmental Alignment Sheet Frame
	Provincial Border
	Municipal Boundary
	Highway
	Railway
	Military
	City/Town Boundary
	Indian Reserve
	Parks & Protected Area

SOURCES
UTM Zone 12, 13 & 14N Hillshade: TERA Environmental Consultants 2008; Proposed Pipeline Current to June 2014 (Rev1); AB Roads: NRCan 2013; SK & MB Roads: NRCan 2012; Rural Municipalities/Cities/Towns: ISCS 2014, MCPS 2007, AltaUS 2014; Hydrography: IHS Inc. 2004; Railways: USNIMA 2000; Indian Reserves: Government of Canada 2014 and IHS Inc. 2013; Parks & Protected Areas: ATPR 2012, ISCS 2014 and MDC 2011; Military: IHS Inc. 2013; Provincial Boundaries: ESRI 2005.



**LINE 3 REPLACEMENT PROGRAM**

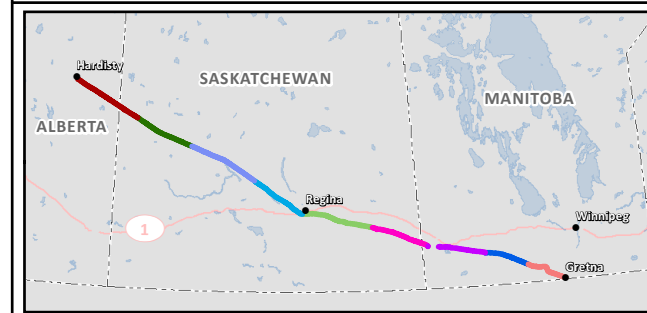
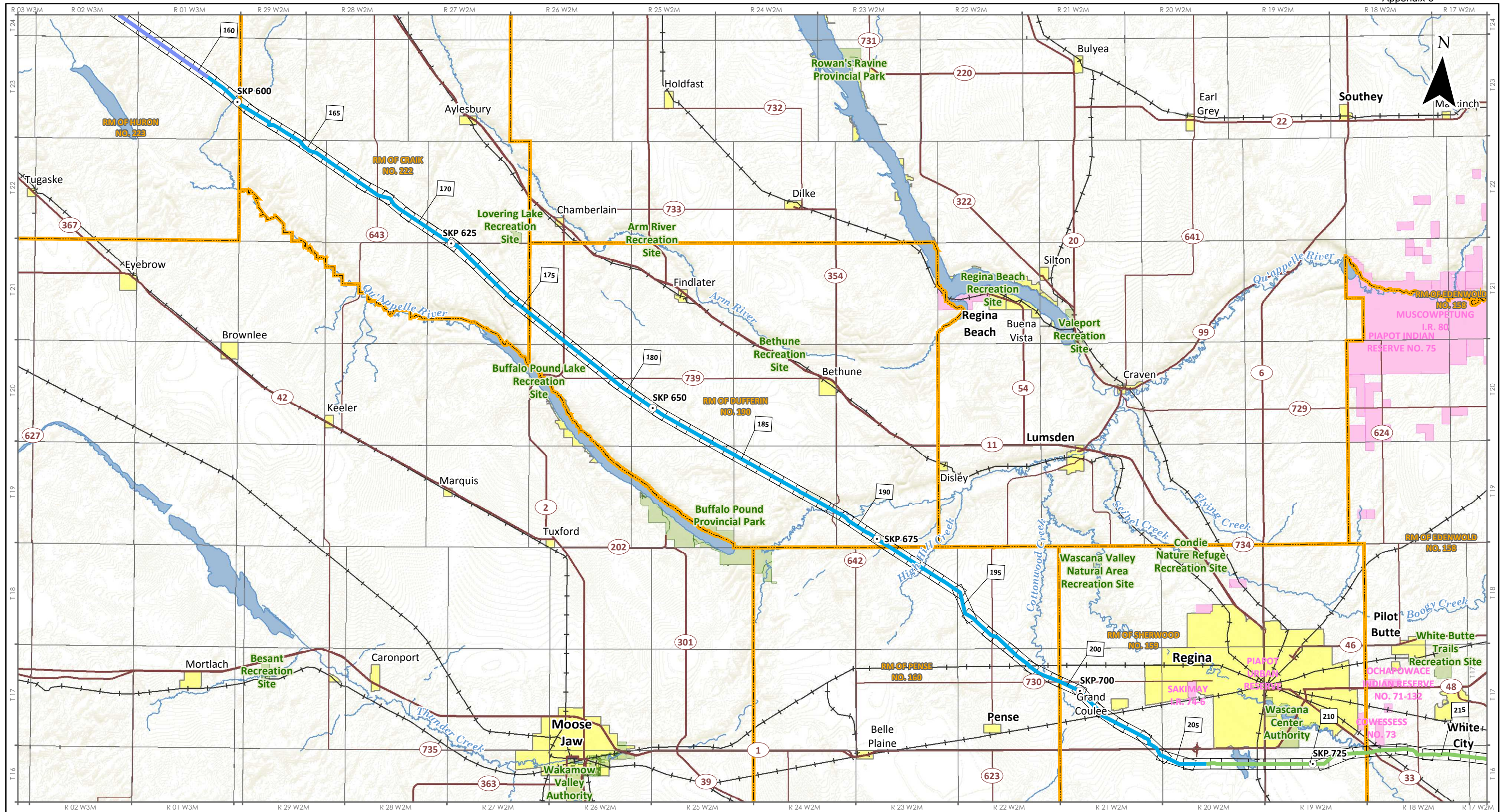
ENVIRONMENTAL ALIGNMENT  
SHEETS INDEX MAP






















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CH2M HILL  
Company

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CONSTRUCTION SPREADS		
Line	Contractor & Spread	Construction Timing
	1	Summer 2016
	2	Winter 2017
	3	Summer 2016
	4	Winter 2017
	5	Summer 2016
	6	Winter 2017
	7	Summer 2017
	8	Summer 2017
	9	Summer 2017

LEGEND	
	Station Kilometre Post (R1, 140624)
	Environmental Alignment Sheet Frame
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## SOURCES

UTM Zone 12, 13 & 14N

Hillshade: TERA Environmental Consultants 2008; Proposed Pipeline Current to June 2014 (Rev1); AB Roads: NRCan 2013; SK & MB Roads: NRCan 2012; Rural Municipalities/Cities/Towns: ICS 2014, MCP5 2007, AltaLIS 2014; Hydrography: IHS Inc. 2004; Railways: USNIMA 2000; Indian Reserves: Government of Canada 2014 and IHS Inc. 2013; Parks & Protected Areas: ATPR 2012, ICS 2014 and MDC 2011; Military: IHS Inc. 2013; Provincial Boundaries: ESRI 2005.



## LINE 3 REPLACEMENT PROGRAM

# ENVIRONMENTAL ALIGNMENT SHEETS INDEX MAP



DATE: November 2014

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SCALE: 1:350,000

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