

Attachment A
List of Public Lands Crossed

Attachment A List of Public Lands Crossed

Parcel ID Number	Tract Name	Approx. Milepost ^a	Township	Range	Section	County	Forty	Forty Desc.	Govt. Lot	Land Administrator	Land Crossing Method ^b	Construction Right-of-Way ^c			Operational Right-of-Way Width (feet) ^d	Temporary Workspace Width (feet) ^e	Additional Temporary Workspace ^f			Catholic Protection Operational Impacts (acres)	Valve Site Operational Impacts (acres) ^g	Third-Party Buffer Area			Potential Seasonal Ponds (acres)	Waterbody Crossed (Depth of Cover)	Current State Land Crossing Plan Sheet	Comments ^h	
												Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)					
1	MN-CL-C5-032.000	921.3	147	37	17	Clearwater	44	SESE	1	Forestry	Trench	95	423	0.7	50	45	0	0	0.0	0.0	0.0	20.8	467.8	0.2	N/A	N/A	October 2020		
2	MN-CL-C5-033.000	921.3	147	37	16	Clearwater	34	SESE	3	Forestry	Trench	120	384	0.5	50	70	0	0	0.0	0.0	0.0	20.8	80.5	<0.1	<0.1	N/A	N/A	October 2020	Snowmobile Trail Forestry Road Crossing
3	MN-CL-C5-035.000	921.9	147	37	21	Clearwater	24	SENE	0	Forestry	Trench	95	457	0.7	50	45	0	0	0.0	0.0	0.0	18.6	226.3	0.1	<0.1	N/A	N/A	October 2020	Forestry Road Crossing NPC/SOBS BMPs
4	MN-CL-C5-048.000	924.2	147	37	34	Clearwater	13	SWNE	0	Forestry	Trench	95	1086	2.1	50	45	13	20	<0.1	0.0	0.0	10.6	881.4	0.2	N/A	Walker Brook (6.6 feet)	October 2020	Public Water ID No. 21 / SSRP Bridge Type: Span - In Stream Support NPC/SOBS BMPs	
5	MN-CL-C5-100.000	941.5	145	36	36	Clearwater	23	SWNW	0	Forestry	Trench	120	335	0.5	50	70	100	576	1.1	0.0	0.0	25.8	59.1	<0.1	N/A	N/A	October 2020	Mississippi Headwaters State Forest HDD Pullback ATWS NPC/SOBS BMPs	
6	MN-CL-C5-100.000	941.7	145	36	36	Clearwater	32	NWSW	0	Forestry	Trench	120	1542	4.2	50	70	100	803	1.9	0.0	0.0	29.5	1541.8	1.0	0.1	N/A	October 2020	Mississippi Headwaters State Forest HDD Pullback ATWS Forestry Road Crossing	
7	MN-CL-C5-100.000	941.9	145	36	36	Clearwater	33	SWSW	0	Forestry	Trench	120	1379	3.2	50	70	0	0	0.0	0.0	0.0	28.1	1431.4	0.9	<0.1	N/A	October 2020	Mississippi Headwaters State Forest Forestry Road Crossings NPC/SOBS BMPs	
8	MN-CL-C5-101.000	942.1	145	36	36	Clearwater	34	SESE	0	Forestry	Trench	120	416	0.6	50	70	0	0	0.0	0.0	0.0	16.1	49.1	<0.1	N/A	N/A	October 2020	Mississippi Headwaters State Forest NPC/SOBS BMPs	
9	MN-HU-C5-041.000	955.1	143	35	32	Hubbard	43	SWSE	0	Forestry	Trench	120	1351	3.3	50	70	57	235	0.2	0.0	0.0	30.3	1350.8	0.9	0.1	N/A	October 2020	Administrative and Scattered Sites	
10	MN-HU-C5-122.000	974.2	139	35	6	Hubbard	41	NESE	0	Forestry	HDD	30	1282	0.9	50	0	0	0	0.0	0.0	0.0	39.2	1283.6	1.1	N/A	Straight River (HDD)	October 2020	Public Water ID No. 33 No HDD Bridge	
11	MN-HU-C5-165.000	981.8	139	35	34	Hubbard	23	SWNW	0	Forestry	Trench	120	1091	2.3	50	70	75	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	Unnamed Basin (N/A; temporary impacts only)	October 2020	Snowmobile Trail Lease - Long Term Non Forest Road Public Water ID No. 36 No HDD Bridge	
12	MN-HU-C5-175.200	984.2	139	35	36	Hubbard	21	NENW	0	Forestry	Trench	25	57	<0.1	25	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020		
13	MN-HU-C5-178.000	984.3	139	35	36	Hubbard	12	NWNE	0	Forestry	Trench	120	1516	3.9	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020		
14	MN-HU-C5-178.000	984.6	139	35	36	Hubbard	11	NESE	0	Forestry	Trench	120	1458	4.0	50	70	75	100	0.2	0.0	0.0	86.6	654.8	0.9	N/A	N/A	October 2020	NPC/SOBS BMPs	
15	MN-HU-C5-177.000	984.0	139	35	36	Hubbard	24	SENE	0	Forestry	Trench	120	1495	4.1	50	70	45	650	2.0	0.0	0.0	54.9	711.4	0.7	N/A	N/A	October 2020		
16	MN-HU-C5-178.000	984.2	139	35	36	Hubbard	13	SWNE	0	Forestry	Trench	98	226	0.3	29	69	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020		
17	MN-WA-002.000	991.0	138	34	1	Wadena	24	SENE	0	Forestry	Trench	120	354	0.6	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020		
18	MN-WA-002.000	991.1	138	34	1	Wadena	13	SWNE	0	Forestry	Trench & HDD	120	1589	2.0	50	70	100	315	0.7	0.0	0.0	0.0	0.0	0.0	N/A	Shell River (HDD)	October 2020	Huntersville State Forest Lease - Infiltration Area NPC/SOBS BMPs Huntersville State Forest Forestry Road Crossing Lease - Infiltration Area NPC/SOBS BMPs Public Water ID No. 39 No HDD Bridge	
19	MN-WA-002.000	991.5	138	34	1	Wadena	41	NESE	0	Forestry	Trench	120	1065	2.6	50	70	39	227	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest NPC/SOBS BMPs	
20	MN-WA-006.000	993.1	138	33	5	Wadena	42	NWSE	0	Forestry	Trench & HDD	120	1326	3.0	50	70	100	200	0.8	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Forestry Road Crossing Lease - Infiltration Area NPC/SOBS BMPs	
21	MN-WA-006.000	993.4	138	33	5	Wadena	41	NESE	0	Forestry	HDD	30	1313	0.9	50	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	Crow Wing River (HDD)	October 2020	Huntersville State Forest Public Water ID No. 40 No HDD Bridge	
22	MN-WA-009.000	993.6	138	33	4	Wadena	32	NWSW	0	Forestry	Trench & HDD	120	1336	1.9	50	70	100	386	1.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest NPC/SOBS BMPs	
23	MN-WA-011.000	994.2	138	33	4	Wadena	42	NWSE	0	Forestry	Trench	53	1166	0.7	39	14	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest	
24	MN-WA-010.000	993.7	138	33	4	Wadena	33	SWSW	0	Forestry	Trench	120	899	1.9	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest	
25	MN-WA-010.000	993.9	138	33	4	Wadena	34	SESE	0	Forestry	Trench	120	1320	3.4	50	70	75	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Forestry Road Crossing	
26	MN-WA-011.000	994.1	138	33	4	Wadena	43	SWSE	0	Forestry	Trench	120	1341	3.0	50	70	75	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest	
27	MN-WA-015.000	994.6	138	33	3	Wadena	32	NWSW	0	Forestry	Trench	111	1327	3.0	50	61	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Forestry Road Crossing Snowmobile Trail NPC/SOBS BMPs	
28	MN-WA-015.000	994.9	138	33	3	Wadena	31	NESW	0	Forestry	Trench	84	1311	2.2	50	34	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Forestry Road Crossing NPC/SOBS BMPs	
29	MN-WA-015.000	995.1	138	33	3	Wadena	42	NWSE	0	Forestry	Trench	60	1230	1.4	43	17	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest NPC/SOBS BMPs	
30	MN-WA-015.000	994.6	138	33	3	Wadena	33	SWSW	0	Forestry	Trench	41	1326	0.7	0	41	75	135	0.4	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Snowmobile Trail NPC/SOBS BMPs	
31	MN-WA-015.000	994.9	138	33	3	Wadena	34	SESE	0	Forestry	Trench	63	1307	1.4	4	54	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest NPC/SOBS BMPs	
32	MN-WA-017.000	995.7	138	33	2	Wadena	33	SWSW	0	Forestry	Trench	120	1438	3.7	50	70	75	116	0.6	0.2	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Catholic Protection Facility Winter Construction NPC/SOBS BMPs	
33	MN-WA-017.000	995.9	138	33	2	Wadena	34	SESE	0	Forestry	Trench	120	1344	3.2	50	70	74	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Peatland/Wetland Construction Plan	
34	MN-WA-017.000	996.2	138	33	2	Wadena	43	SWSE	0	Forestry	Trench	120	1345	3.1	50	70	75	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Huntersville State Forest Winter Construction NPC/SOBS BMPs	
35	MN-WA-017.000	996.5	138	33	2	Wadena	44	SESE	0	Forestry	Trench	95	1345	2.9	50	45	75	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	WA017aWB (Non-PWI, 4.0 feet)	October 2020	Huntersville State Forest Peatland/Wetland Construction Plan	
37	MN-CA-C5-020.000	1005.9	138	31	9	Cass	23	SWNW	0	Forestry	Trench	120	1115	2.7	50	70	75	542	0.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Foot Hills State Forest Forestry Road Crossing NPC/SOBS BMPs	
38	MN-CA-C5-020.000	1006.0	138	31	9	Cass	32	NWSW	0	Forestry	Trench	120	716	1.6	50	70	89	78	0.1	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Foot Hills State Forest NPC/SOBS BMPs	
39	MN-CA-C5-020.000	1006.3	138	31	9	Cass	31	NESW	0	Forestry	Trench	120	1468	3.9	50	70	77	102	0.6	0.0	0.0	63.5	942.8	0.8	N/A	N/A	October 2020	Foot Hills State Forest Forestry Road Crossing NPC/SOBS BMPs	
40	MN-CA-C5-020.000	1006.4	138	31	9	Cass	42	NWSE	0	Forestry	Trench	120	1307	3.4	50	70	75	230	0.6	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Foot Hills State Forest NPC/SOBS BMPs	
41	MN-CA-C5-020.000	1006.7	138	31	9	Cass	41	NESE	0	Forestry	Trench	120	1306	3.4	50	70	75	267	0.6	0.0	0.0	0.0	0.0	0.0	<0.1	N/A	October 2020	Foot Hills State Forest Beaver Lodge	
42	MN-CA-C5-021.000	1007.0	138	31	10	Cass	32	NWSW	0	Forestry	Trench	120	1319	3.6	50	70	75	113	0.2	0.0	0.0	22.7	300.1	0.1	N/A	N/A	October 2020	Foot Hills State Forest NPC/SOBS BMPs	
43	MN-CA-C5-021.000	1007.2	138	31	10	Cass	31	NESW	0	Forestry	Trench	120	1623	4.5	50	70	50	134	0.4	0.0	0.0	369.732	574.665	4.3	N/A	N/A	October 2020	Foot Hills State Forest NPC/SOBS BMPs	
44	MN-CA-C5-021.000	1007.5	138	31	10	Cass	42	NWSE	0	Forestry	Trench	120	1338	3.3	50	70	75	267	0.5	0.0	0.0	198.044	375.389	5.5	<0.1	N/A	October 2020	Foot Hills State Forest NPC/SOBS BMPs	
45	MN-CA-C5-021.000	1007.7	138	31	10	Cass	41	NESE	0	Forestry	Trench	120	1219	3.5	50	70	50	188	0.2	0.0	0.0	125.5	894.2	1.8	N/A	N/A	October 2020	Foot Hills State Forest Forestry Road Crossing	
46	MN-CA-C5-037.000-TX	1011.8	138	30	8	Cass	44	SESE	0	Trails and Waterways	Bore	120	113	0.3	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Paul Bunyan State Trail NPC/SOBS BMPs	
47	MN-CA-C5-153.000	1042.1	139	26	11	Cass	42	NWSE	0	Forestry	Trench	120	296	0.5	50	70	75	150	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
48	MN-CA-C5-153.000	1041.9	139	26	11	Cass	43	SWSE	0	Forestry	Trench	120	1746	4.0	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
49	MN-CA-C5-153.000	1042.2	139	26	11	Cass	41	NESE	0	Forestry	Trench	120	1325	3.1	50	70	75	100	0.2	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
50	MN-CA-C5-155.000	1042.6	139	26	12	Cass	32	NWSW	0	Forestry	Trench	120	1300	3.1	50	70	50												

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Parcel ID Number	Tract Name	Approx. Milepost ^a	Township	Range	Section	County	Forty	Forty Desc.	Govt. Lot	Land Administrator	Land Crossing Method ^b	Construction Right-of-Way ^c			Operational Right-of-Way Width (feet) ^d	Temporary Workspace Width (feet) ^e	Additional Temporary Workspace ^f			Cathodic Protection Operational Impacts (acres)	Valve Site Operational Impacts (acres) ^g	Third-Party Buffer Area			Potential Seasonal Ponds (acres)	Waterbody Crossed (Depth of Cover)	Current State Land Crossing Plan Sheet	Comments ^h	
												Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)					
52	MN-CA-C5-155.000	1042.9	139	26	12	Cass	42	NWSE	0	Forestry	Trench	120	1328	3.4	50	70	75	167	0.3	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossings	
53	MN-CA-C5-155.000	1043.2	139	26	12	Cass	41	NESE	0	Forestry	Trench	120	1311	3.2	50	70	25	238	0.1	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Land O'Lakes State Forest	
54	MN-CA-C5-156.000	1043.5	139	25	7	Cass	32	NWSW	0	Forestry	Trench	120	1366	3.3	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
55	MN-CA-C5-156.000	1043.8	139	25	7	Cass	31	NESW	0	Forestry	Trench	120	1315	3.5	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	N/A	October 2020	Land O'Lakes State Forest	
56	MN-CA-C5-156.000	1044.0	139	25	7	Cass	42	NWSE	0	Forestry	Trench	120	1315	3.1	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
57	MN-CA-C5-156.000	1044.3	139	25	7	Cass	41	NESE	0	Forestry	Trench	120	1274	3.3	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	N/A	October 2020	Land O'Lakes State Forest	
58	MN-CA-C5-157.000	1044.5	139	25	8	Cass	32	NWSW	0	Forestry	Trench	120	1401	3.6	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossings OHV Trails	
59	MN-CA-C5-157.000	1044.8	139	25	8	Cass	31	NESW	0	Forestry	Trench	120	1368	3.2	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Land O'Lakes State Forest	
60	MN-CA-C5-157.000	1045.0	139	25	8	Cass	42	NWSE	0	Forestry	Trench	120	1432	3.9	50	70	25	240	0.1	0.0	0.0	0.0	16.2	146.6	-0.1	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
61	MN-CA-C5-157.000	1045.3	139	25	8	Cass	41	NESE	0	Forestry	Trench	120	1520	3.9	50	70	25	198	0.1	0.0	0.0	0.0	0.0	0.0	0.1	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
62	MN-CA-C5-157.000	1045.4	139	25	8	Cass	14	SENE	0	Forestry	Trench	106	224	0.3	36	70	25	136	0.1	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest	
63	MN-CA-C5-158.000	1045.6	139	25	9	Cass	23	SWNW	0	Forestry	Trench	120	1628	3.6	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	N/A	October 2020	Land O'Lakes State Forest	
64	MN-CA-C5-158.000	1046.0	139	25	9	Cass	21	NENW	0	Forestry	Trench	120	1579	3.9	50	70	75 75 75	106 136 100	0.7	0.0	0.0	222.4	1343.2	4.3	N/A	CAC5160aWB (Non-PWI, 4.0 feet)	October 2020	Land O'Lakes State Forest Forestry Road Crossings OHV Trails Bridges Type: Span	
65	MN-CA-C5-158.000	1046.2	139	25	9	Cass	12	NWNE	0	Forestry	Trench	120	997	2.2	50	70	0	0	0.0	0.0	0.0	111.2	377.0	0.4	0.2	N/A	October 2020	Land O'Lakes State Forest	
66	MN-CA-C5-161.000	1046.4	139	25	4	Cass	43	SWSE	0	Forestry	Trench	120	842	1.9	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	N/A	October 2020	Land O'Lakes State Forest	
67	MN-CA-C5-161.000	1046.6	139	25	4	Cass	44	SESE	0	Forestry	Trench	120	1414	3.7	50	70	50 75 0	348 100 0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	N/A	CAC5161aWB (Non-PWI, 4.0 feet)	October 2020	Land O'Lakes State Forest Bridges Type: Span - In Stream Support
68	MN-CA-C5-162.000	1046.7	139	25	3	Cass	33	SWSW	0	Forestry	Trench	120	334	0.6	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing OHV Trail	
70	MN-CA-C5-162.000	1046.9	139	25	3	Cass	32	NWSW	0	Forestry	Trench	120	1766	4.2	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
71	MN-CA-C5-162.000	1047.1	139	25	3	Cass	31	NESW	0	Forestry	Trench	120	761	1.5	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	N/A	October 2020	Land O'Lakes State Forest	
72	MN-CA-C5-162.000	1047.3	139	25	3	Cass	24	SENW	0	Forestry	Trench	120	1132	2.4	50	70	0	0	0.0	0.0	0.0	0.0	4.5	78.2	-0.1	0.3	CA162aWB (Non-PWI, 4.0 feet)	October 2020	Land O'Lakes State Forest Bridges Type: Span
73	MN-CA-C5-162.000	1047.5	139	25	3	Cass	13	SWNE	0	Forestry	Trench	120	1472	3.7	50	70	75	128	0.5	0.0	0.0	63.0	920.7	0.8	0.2	CA162aWB (Non-PWI, 4.0 feet)	October 2020	Land O'Lakes State Forest Forestry Road Crossing Bridges Type: Span	
74	MN-CA-C5-162.000	1047.7	139	25	3	Cass	14	SENE	0	Forestry	Trench	120	1176	3.2	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing	
75	MN-CA-C5-163.000	1048.1	139	25	2	Cass	23	SWNW	0	Forestry	Trench	120	1502	3.9	50	70	75 50 75 30	100 150 100 75	0.6	0.0	0.0	0.0	0.0	0.0	0.0	N/A	CA163aWB (Non-PWI, 4.0 feet)	October 2020	Land O'Lakes State Forest Forestry Road Crossings OHV Trail Snowmobile-Trail Public Water ID No. 49 / SSRP Bridges Types: Span and Span - In Stream Support NPC/SOBS BMPs
76	MN-CA-C5-163.000	1048.3	139	25	2	Cass	24	SENW	0	Forestry	Trench	120	1312	2.6	50	70	75	83	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
78	MN-CA-C5-163.000	1048.4	139	25	2	Cass	31	NESW	0	Forestry	Trench	120	716	1.0	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
79	MN-CA-C5-163.000	1048.5	139	25	2	Cass	42	NWSE	0	Forestry	Trench	120	1325	3.6	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
80	MN-CA-C5-163.000	1048.8	139	25	2	Cass	41	NESE	0	Forestry	Trench	120	1211	3.3	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
81	MN-CA-C5-166.000	1049.5	139	25	1	Cass	42	NWSE	0	Forestry	Trench	120	1369	3.0	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest Forestry Road Crossing NPC/SOBS BMPs	
82	MN-CA-C5-166.000	1049.7	139	25	1	Cass	41	NESE	4	Forestry	Trench	120	1225	2.3	50	70	50 75	100 100	0.3	0.0	0.0	0.0	0.0	0.0	0.0	N/A	CA166aWB (Non-PWI, 4.0 feet)	October 2020	Land O'Lakes State Forest Forestry Road Crossing Bridges Type: Span NPC/SOBS BMPs
83	MN-CA-C5-166.000	1049.9	139	25	1	Cass	44	SESE	0	Forestry	Trench	95	747	1.0	50	45	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Land O'Lakes State Forest NPC/SOBS BMPs	
84	MN-AI-C5-001.000	1049.9	51	27	28	Aitkin	21	NENW	1	Forestry	Trench	120	425	1.1	50	70	75	100	0.2	0.0	0.0	0.0	0.0	0.0	0.0	N/A	A1001aWB (Non-PWI, 4.0 feet)	October 2020	Bridges Type: Span - In Stream Support
85	MN-AI-C5-019.000	1053.0	51	27	36	Aitkin	21	NENW	0	Forestry	Trench	95	579	0.7	50	45	0	0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	N/A	October 2020	N/A	
86	MN-AI-036.000	1056.9	51	26	34	Aitkin	23	SWNW	0	Forestry	Trench	35	1314	0.3	0	35	49	299	0.3	0.0	0.0	82.2	1312.5	1.9	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
87	MN-AI-037.000	1057.1	51	26	34	Aitkin	24	SENW	0	Forestry	Trench	120	1374	3.1	50	70	78 50	100 37	0.1	0.0	0.0	25.7	1026.6	0.6	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
88	MN-AI-038.000	1057.3	51	26	34	Aitkin	13	SWNE	0	Forestry	Trench	120	1336	3.4	50	70	50 50	455 302	0.9	0.0	0.0	25.7	1335.3	0.8	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
89	MN-AI-039.000	1057.6	51	26	34	Aitkin	14	SENE	0	Forestry	Trench	95	1335	2.9	50	45	75	100	0.2	0.0	0.0	25.9	1334.9	0.8	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
90	MN-AI-040.000	1057.8	51	26	35	Aitkin	23	SWNW	0	Forestry	Trench	120	1321	3.4	50	70	50 50	609 61	0.8	0.0	0.0	25.6	1320.7	0.7	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
91	MN-AI-040.000	1058.0	51	26	35	Aitkin	24	SENW	0	Forestry	Trench	113	1316	2.2	50	63	49	387	0.4	0.0	0.0	9.7	221.1	-0.1	N/A	N/A	October 2020	Hill River State Forest Forestry Road Crossing Winter Construction Peatland/Wetland Construction Plan	
92	MN-AI-040.000	1058.3	51	26	35	Aitkin	13	SWNE	0	Forestry	Trench	30	710	0.3	1	29	30	300	0.2	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan
93	MN-AI-036.001	1056.8	51	26	34	Aitkin	32	NWSW	0	Forestry	Trench	85	1313	2.6	50	35	76	212	0.2	0.0	0.0	20.5	1287.1	0.6	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
94	MN-AI-037.001	1057.0	51	26	34	Aitkin	31	NESW	0	Forestry	Trench	55	117	0.1	42	13	86	200	0.3	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
95	MN-AI-040.000	1057.9	51	26	35	Aitkin	32	NWSW	0	Forestry	Trench	5	117	-0.1	0	5	0	0	0.0	0.0	0.0	15.4	348.8	0.1	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
96	MN-AI-040.000	1058.1	51	26	35	Aitkin	31	NESW	0	Forestry	Trench	63	1316	1.0	48	15	0	0	0.0	0.0	0.0	24.9	1315.6	0.7	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
97	MN-AI-040.000	1058.3	51	26	35	Aitkin	42	NWSE	0	Forestry	Trench	95	1316	2.6	50	45	0	0	0.0	0.0	0.0	25.4	1315.5	0.8	N/A	N/A	October 2020	Hill River State Forest Winter Construction Peatland/Wetland Construction Plan	
98	MN-AI-040.000	1058.6	51	26	35	Aitkin	41	NESE	0	Forestry	Trench	95	1361	3.0	50	45	0	0	0.0	0.0	0.0	24.9	1360.7	0.8	N/A	N/A	October 2020	Hill River State Forest Forestry Road Crossing Winter Construction Peatland/Wetland Construction Plan	
99	MN-AI-041.000	1058.8	51	26	36	Aitkin	32	NWSW	0	Forestry	Trench	120	1306	3.5	50	70	50	1028	1.2	0.0	0.0	24.9	1305.3	0.7	N/A	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Peatland/Wetland Construction Plan	
100	MN-AI-041.000	1059.1	51	26	36	Aitkin	31	NESW	0	Forestry	Trench	120	1351	3.3	50	70	50	614	0.7	0.0	0.0	24.3	1350.7	0.7	N/A	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Pe	

Attachment A List of Public Lands Crossed

Parcel ID Number	Tract Name	Approx. Milepost ^a	Township	Range	Section	County	Forty	Forty Desc.	Govt. Lot	Land Administrator	Land Crossing Method ^b	Construction Right-of-Way ^c			Operational Right-of-Way Width (feet) ^d	Temporary Workspace Width (feet) ^e	Additional Temporary Workspace ^f			Cathodic Protection Operational Impacts (acres)	Valve Site Operational Impacts (acres) ^g	Third-Party Buffer Area			Potential Seasonal Ponds (acres)	Waterbody Crossed (Depth of Cover)	Current State Land Crossing Plan Sheet	Comments ^h
												Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)				
104	MN-AI-043.000	1060.2	51	25	31	Aitkin	31	NESW	0	Forestry	Trench	120	1320	3.3	50	70	75	460	0.9	0.0	0.0	25.0	1320.1	0.8	N/A	N/A	October 2020	Hill River State Forest Forestry Road Crossing Rare Flora Avoidance Area Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
105	MN-AI-044.000	1060.4	51	25	31	Aitkin	42	NWSE	0	Forestry	Trench	120	1274	2.8	50	70	50	291	0.3	0.0	0.0	25.7	1274.1	0.7	N/A	N/A	October 2020	Hill River State Forest Snowmobile Trail Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
106	MN-AI-044.000	1060.6	51	25	31	Aitkin	41	NESE	0	Forestry	Trench	95	1366	3.0	50	45	0	0	0.0	0.0	0.0	25.2	1366.3	0.8	N/A	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
107	MN-AI-045.000	1060.9	51	25	32	Aitkin	32	NWSW	0	Forestry	Trench	95	1272	2.8	50	45	0	0	0.0	0.0	0.0	25.2	1272.4	0.7	N/A	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
108	MN-AI-045.000	1061.1	51	25	32	Aitkin	31	NESW	0	Forestry	Trench	120	1370	3.1	50	70	50	201	0.2	0.0	0.0	25.7	1369.6	0.8	N/A	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
109	MN-AI-046.000	1061.4	51	25	32	Aitkin	42	NWSE	0	Forestry	Trench	95	1317	2.9	50	45	50	300	0.3	0.0	0.0	25.8	1317.0	0.8	N/A	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
110	MN-AI-046.000	1061.6	51	25	32	Aitkin	41	NESE	0	Forestry	Trench	120	1331	3.1	50	70	0	0	0.0	0.0	0.0	25.9	1329.7	0.8	<0.1	N/A	October 2020	Hill River State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
111	MN-AI-050.000	1062.6	51	25	33	Aitkin	41	NESE	0	Forestry	Trench	95	1320	2.9	50	45	0	0	0.0	0.0	0.0	26.9	1319.8	0.8	N/A	N/A	October 2020	Hill River State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
112	MN-AI-051.000	1062.9	51	25	34	Aitkin	32	NWSW	0	Forestry	Trench	95	1369	3.0	50	45	0	0	0.0	0.0	0.0	27.2	1366.7	0.9	N/A	N/A	October 2020	Hill River State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
113	MN-AI-051.000	1063.1	51	25	34	Aitkin	31	NESW	0	Forestry	Trench	95	1291	2.8	50	45	0	0	0.0	0.0	0.0	26.9	1290.6	0.8	N/A	N/A	October 2020	Hill River State Forest Wetland/Peatland Construction Plan
114	MN-AI-051.000	1063.4	51	25	34	Aitkin	42	NWSE	0	Forestry	Trench	95	1291	2.8	50	45	50	301	0.6	0.0	0.0	27.7	1290.6	0.8	N/A	N/A	October 2020	Hill River State Forest Wetland/Peatland Construction Plan
115	MN-AI-051.000	1063.6	51	25	34	Aitkin	41	NESE	0	Forestry	Trench	95	1359	3.0	50	45	50	57	0.1	0.0	0.0	27.7	1358.4	0.9	N/A	N/A	October 2020	Hill River State Forest Forestry Road Crossing Wetland/Peatland Construction Plan
116	MN-AI-052.000	1063.9	51	25	35	Aitkin	32	NWSW	0	Forestry	Trench	120	1261	3.2	50	70	50	324	0.4	0.0	0.0	27.6	1260.1	0.8	N/A	N/A	October 2020	Hill River State Forest Wetland/Peatland Construction Plan
117	MN-AI-052.000	1064.1	51	25	35	Aitkin	31	NESW	0	Forestry	Trench	120	1391	3.7	50	70	50	1095	1.3	0.0	0.0	27.2	1390.6	0.9	0.1	N/A	October 2020	Hill River State Forest Wetland/Peatland Construction Plan
118	MN-AI-053.000	1064.4	51	25	35	Aitkin	42	NWSE	0	Forestry	Trench	120	1266	3.4	50	70	50	1023	1.2	0.0	0.0	27.7	1266.0	0.8	N/A	N/A	October 2020	Hill River State Forest Wetland/Peatland Construction Plan
119	MN-AI-053.000	1064.6	51	25	35	Aitkin	41	NESE	0	Forestry	Trench	120	1384	3.4	50	70	50	525	0.6	0.0	0.0	27.5	1384.0	0.9	N/A	N/A	October 2020	Hill River State Forest Forestry Road Crossing NPC/SOBS BMPs Wetland/Peatland Construction Plan
120	MN-AI-054.000	1064.8	51	25	36	Aitkin	32	NWSW	0	Forestry	Trench	120	1281	3.0	50	70	50	380	0.4	0.0	0.0	27.8	1281.2	0.8	N/A	N/A	October 2020	Hill River State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
121	MN-AI-054.000	1065.1	51	25	36	Aitkin	31	NESW	0	Forestry	Trench	120	1337	3.0	50	70	0	0	0.0	0.0	0.0	27.8	1336.8	0.9	0.4	N/A	October 2020	Hill River State Forest Rare Flora Avoidance Area Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
122	MN-AI-054.000	1065.4	51	25	36	Aitkin	42	NWSE	0	Forestry	Trench	120	1433	3.6	50	70	50	607	0.7	0.0	0.0	42.1	1433.7	1.1	0.2	N/A	October 2020	Hill River State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
123	MN-AI-054.000	1065.7	51	25	36	Aitkin	41	NESE	0	Forestry	Trench	120	1432	3.2	50	70	0	0	0.0	0.0	0.0	35.8	1432.0	1.1	N/A	N/A	October 2020	Hill River State Forest Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
124	MN-AI-055.000	1065.8	51	24	31	Aitkin	32	NWSW	3	Forestry	Trench	95	338	0.5	50	45	0	0	0.0	0.0	0.0	33.9	389.1	0.3	N/A	N/A	October 2020	Savanna State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
126	MN-AI-056.000	1066.0	51	24	31	Aitkin	23	SWNW	2	Forestry	Trench	120	1799	3.9	50	70	50	403	0.9	0.0	0.0	35.6	975.4	0.8	0.2	N/A	October 2020	Savanna State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
127	MN-AI-057.000	1066.2	51	24	31	Aitkin	24	SENW	0	Forestry	Trench	120	1456	2.8	50	70	55	47	4.5	0.0	<0.1	19.0	1455.9	0.5	N/A	N/A	October 2020	Savanna State Forest Forestry Road Crossing Valve Site (RA-22-2) Lease - Long Term Non-Forest Road Construction Yard Wetland/Peatland Construction Plan
128	MN-AI-059.000	1066.6	51	24	31	Aitkin	12	NWNE	0	Forestry	Trench	95	803	1.5	50	45	14	37	<0.1	0.0	0.0	22.7	812.2	0.3	N/A	N/A	October 2020	Savanna State Forest Wetland/Peatland Construction Plan
129	MN-AI-059.000	1066.9	51	24	31	Aitkin	11	NENE	0	Forestry	Trench	95	1474	3.2	50	45	0	0	0.0	0.0	0.0	27.6	1473.5	0.8	N/A	s-51n24w31-a (Non-PWI, 4.0 feet)	October 2020	Savanna State Forest Bridge Type: Span Wetland/Peatland Construction Plan
130	MN-AI-060.000	1067.1	51	24	32	Aitkin	22	NWNW	0	Forestry	Trench	95	1290	2.5	50	45	0	0	0.0	0.0	0.0	27.5	1070.1	0.6	N/A	N/A	October 2020	Savanna State Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
131	MN-AI-061.000	1067.2	51	24	29	Aitkin	33	SWSW	0	Forestry	Trench	120	374	0.6	50	70	0	0	0.0	0.0	0.0	29.8	405.1	0.2	N/A	s-51n24w29-a (Non-PWI, 4.0 feet)	October 2020	Savanna State Forest Bridge Type: Span - In Stream Support Wetland/Peatland Construction Plan
132	MN-AI-061.000	1067.3	51	24	29	Aitkin	34	SESW	0	Forestry	Trench	120	1481	3.7	50	70	50	496	0.8	0.0	0.0	35.9	1480.4	1.0	N/A	N/A	October 2020	Savanna State Forest Wetland/Peatland Construction Plan
133	MN-AI-062.000	1067.7	51	24	29	Aitkin	43	SWSE	0	Forestry	Trench	95	1413	3.1	50	45	50	179	0.2	0.0	0.0	34.2	1412.6	1.2	N/A	N/A	October 2020	Savanna State Forest Wetland/Peatland Construction Plan
134	MN-AI-062.000	1067.8	51	24	29	Aitkin	44	SESE	0	Forestry	Trench	95	287	0.3	50	45	19	51	<0.1	0.0	0.0	25.0	68.1	<0.1	N/A	N/A	October 2020	Savanna State Forest Wetland/Peatland Construction Plan
135	MN-AI-063.000	1067.9	51	24	29	Aitkin	41	NESE	0	Forestry	Trench	95	1352	2.7	50	45	49	410	0.4	0.0	0.0	45.3	1355.3	0.9	0.1	N/A	October 2020	Savanna State Forest Wetland/Peatland Construction Plan
136	MN-AI-064.000	1068.2	51	24	28	Aitkin	32	NWSW	0	Forestry	Trench	120	1324	3.2	50	70	0	0	0.0	0.0	0.0	0.0	1323.4	0.5	<0.1	N/A	October 2020	Savanna State Forest Wetland/Peatland Construction Plan
137	MN-AI-064.000	1068.4	51	24	28	Aitkin	31	NESW	0	Forestry	Trench	120	1324	3.3	50	70	0	0	0.0	0.0	0.0	13.8	1324.2	0.4	N/A	s-51n24w28-a (Non-PWI, 4.0 feet)	October 2020	Savanna State Forest Bridge Type: Span - In Stream Support Wetland/Peatland Construction Plan
138	MN-AI-067.000	1069.2	51	24	27	Aitkin	32	NWSW	0	Forestry	Trench	120	1278	2.9	50	70	50	163	0.2	0.0	0.0	36.9	1276.1	1.1	N/A	N/A	October 2020	Savanna State Forest
139	MN-AI-067.000	1069.4	51	24	27	Aitkin	31	NESW	0	Forestry	Trench/HDD	95	1383	2.2	50	45	100	300	0.7	0.0	<0.1	36.6	1383.2	1.1	N/A	N/A	October 2020	Savanna State Forest Valve Site (RA-22-3) Lease - Long Term Non-Forest Road Lease - Infiltration Area
140	MN-AI-068.000	1069.6	51	24	27	Aitkin	42	NWSE	7	Forestry	HDD	30	666	0.5	50	0	0	0	0.0	0.0	0.0	25.8	664.8	0.5	0.1	N/A	October 2020	Savanna State Forest
141	MN-AI-079.000	1074.3	51	23	28	Aitkin	32	NWSW	0	Forestry	Trench	120	1308	3.4	50	70	38	651	0.5	0.0	0.0	185.0	1307.4	5.8	0.2	N/A	October 2020	Savanna State Forest Forestry Road Crossing NPC/SOBS BMPs
142	MN-AI-088.000	1076.3	51	23	22	Aitkin	44	SESE	0	Forestry	Trench	95	341	0.5	50	45	0	0	0.0	0.0	0.0	26.6	134.6	0.1	N/A	N/A	October 2020	Savanna State Forest NPC/SOBS BMPs
143	MN-AI-092.000	1078.8	51	22	19	Aitkin	32	NWSW	8	Forestry	Trench	0	0	0.0	0	0	10	26	<0.1	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
144	MN-AI-092.000	1078.8	51	22	19	Aitkin	31	NESW	7	Forestry	Trench	0	0	0.0	0	0	9	273	<0.1	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
145	MN-AI-091.000	1078.4	51	22	19	Aitkin	84	First government lot W. of SWSW	10	Forestry	Trench	120	854	2.3	50	70	50	806	0.9	0.0	0.0	86.7	853.5	1.7	<0.1	N/A	October 2020	Savanna State Forest Snowmobile Trail Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan

Attachment A List of Public Lands Crossed

Parcel ID Number	Tract Name	Approx. Milepost ^a	Township	Range	Section	County	Forty	Forty Desc.	Govt. Lot	Land Administrator	Land Crossing Method ^b	Construction Right-of-Way ^c			Operational Right-of-Way Width (feet) ^d	Temporary Workspace Width (feet) ^e	Additional Temporary Workspace ^f			Cathodic Protection Operational Impacts (acres)	Valve Site Operational Impacts (acres) ^g	Third-Party Buffer Area			Potential Seasonal Ponds (acres)	Waterbody Crossed (Depth of Cover)	Current State Land Crossing Plan Sheet	Comments ^h
												Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)				
146	MN-AI-092.000	1076.6	51	22	19	Aitkin	33	SWSW	11	Forestry	Trench	120	1496	3.5	50	70	53 27	167 50	0.2	0.0	0.0	62.3012 25.7255	131.729 1003.61	0.7	N/A	N/A	October 2020	Savanna State Forest Snowmobile Trail Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
147	MN-AI-092.000	1078.9	51	22	19	Aitkin	34	SESW	12	Forestry	Trench	95	1192	2.6	50	45	48	272	0.3	0.0	0.0	25.5	1192.1	0.7	N/A	s-51n22w19-c_DESKTOP (Non-PWI, 4.0 feet)	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan Bridge Type: Mat with Flume - EPP Fig. 49
148	MN-AI-093.000	1079.1	51	22	19	Aitkin	43	SWSE	0	Forestry	Trench	120	1415	3.2	50	70	50	300	0.3	0.0	0.0	25.1	1414.2	0.8	0.3	N/A	October 2020	Savanna State Forest Forestry Road Crossing Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
149	MN-AI-093.000	1079.4	51	22	19	Aitkin	44	SESE	0	Forestry	Trench	120	1206	2.9	50	70	0	0	0.0	0.0	0.0	25.3	1204.0	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
150	MN-AI-094.000	1079.6	51	22	20	Aitkin	33	SWSW	0	Forestry	Trench	120	1415	3.6	50	70	0	0	0.0	0.0	0.0	24.6	1414.7	0.8	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
151	MN-AI-094.000	1079.9	51	22	20	Aitkin	34	SESW	0	Forestry	Trench	95	1316	2.9	50	45	0	0	0.0	0.0	0.0	23.7	1315.3	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
152	MN-AI-094.000	1080.1	51	22	20	Aitkin	43	SWSE	0	Forestry	Trench	120	1315	3.3	50	70	0	0	0.0	0.0	0.0	23.0	1315.0	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
153	MN-AI-094.000	1080.4	51	22	20	Aitkin	44	SESE	0	Forestry	Trench	121	1282	3.1	50	71	0	0	0.0	0.0	0.0	22.8	1281.2	0.7	N/A	N/A	October 2020	Savanna State Forest Forestry Road Crossing Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
154	MN-AI-095.000	1080.6	51	22	21	Aitkin	33	SWSW	0	Forestry	Trench	121	1346	3.7	50	71	0	0	0.0	0.0	0.0	22.4	1346.1	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
155	MN-AI-095.000	1080.9	51	22	21	Aitkin	34	SESW	0	Forestry	Trench	120	1313	3.6	50	70	0	0	0.0	0.0	0.0	22.4	1312.2	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
156	MN-AI-095.000	1081.1	51	22	21	Aitkin	43	SWSE	0	Forestry	Trench	120	1313	3.5	50	70	50	86	0.1	0.0	0.0	22.3	1311.9	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
157	MN-AI-095.000	1081.4	51	22	21	Aitkin	44	SESE	0	Forestry	Trench	120	1277	3.0	50	70	50 75	213 150	0.5	0.0	0.0	21.7	1276.8	0.6	N/A	N/A	October 2020	Savanna State Forest Forestry Road Crossing Winter Construction Old Growth Forest NPC/SOBS BMPs Wetland/Peatland Construction Plan
158	MN-AI-096.000	1081.6	51	22	22	Aitkin	33	SWSW	0	Forestry	Trench	95	1360	3.0	50	45	75	150	0.3	0.0	0.0	21.4	1359.8	0.7	N/A	s-51n22w22-a (Non-PWI, 4.0 feet)	October 2020	Savanna State Forest Bridge Type: Span - In Stream Support Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
159	MN-AI-096.000	1081.9	51	22	22	Aitkin	34	SESW	0	Forestry	Trench	95	1277	2.8	50	45	0	0	0.0	0.0	0.0	21.4	1277.3	0.6	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
160	MN-AI-097.000	1082.1	51	22	22	Aitkin	43	SWSE	0	Forestry	Trench	95	1373	3.0	50	45	0	0	0.0	0.0	0.0	21.4	1371.8	0.7	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
161	MN-AI-097.000	1082.4	51	22	22	Aitkin	44	SESE	0	Forestry	Trench	95	1266	2.8	50	45	0	0	0.0	0.0	0.0	20.8	1265.6	0.6	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
162	MN-AI-098.000	1082.6	51	22	23	Aitkin	33	SWSW	0	Forestry	Trench	95	1379	3.0	50	45	0	0	0.0	0.0	0.0	19.5	1377.8	0.6	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
163	MN-AI-098.000	1082.8	51	22	23	Aitkin	34	SESW	0	Forestry	Trench	95	1320	2.9	50	45	50	300	0.3	0.0	0.0	19.5	1319.5	0.6	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
164	MN-AI-098.000	1083.1	51	22	23	Aitkin	43	SWSE	0	Forestry	Trench	95	1320	2.9	50	45	0	0	0.0	0.0	0.0	19.0	1319.8	0.6	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
165	MN-AI-098.000	1083.4	51	22	23	Aitkin	44	SESE	0	Forestry	Trench	95	1231	2.7	50	45	0	0	0.0	0.0	0.0	18.5	1231.4	0.5	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
166	MN-AI-099.000	1083.6	51	22	24	Aitkin	33	SWSW	0	Forestry	Trench	95	1407	3.1	50	45	0	0	0.0	0.0	0.0	18.1	1406.9	0.6	N/A	N/A	October 2020	Savanna State Forest Forestry Road Crossing Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
167	MN-AI-099.000	1083.9	51	22	24	Aitkin	34	SESW	0	Forestry	Trench	95	1318	2.9	50	45	0	0	0.0	0.0	0.0	18.1	1318.2	0.5	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
168	MN-AI-099.000	1084.1	51	22	24	Aitkin	43	SWSE	0	Forestry	Trench	95	1318	2.9	50	45	0	0	0.0	0.0	0.0	17.6	1318.2	0.5	N/A	N/A	October 2020	Savanna State Forest Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
169	MN-AI-099.000	1084.4	51	22	24	Aitkin	44	SESE	0	Forestry	Trench	95	1272	2.8	50	45	75	150	0.3	0.0	0.0	18.2	1272.3	0.5	N/A	s-51n22w24-a (Non-PWI, 4.0 feet)	October 2020	Savanna State Forest Bridge Type: Span - In Stream Support Winter Construction NPC/SOBS BMPs Wetland/Peatland Construction Plan
170	T-0157	1100.6	50	19	16	St. Louis	32	NWSW	0	Forestry	Trench	120	693	1.5	50	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	<0.1	N/A	October 2020	
171	T-0157	1100.8	50	19	16	St. Louis	33	SWSW	0	Forestry	Trench	120	1449	3.3	50	70	39 49	488 249	0.7	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	
172	T-0157	1100.9	50	19	16	St. Louis	34	SESW	0	Forestry	Trench	69	133	0.1	50	19	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	
173	T-0141-F	1105.1	49	19	1	Carlton	63	First government lot N. of NWNW	4	Forestry	Trench	9	19	<0.1	0	9	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Fond du Lac State Forest NPC/SOBS BMPs
174	T-0141	1105.3	49	19	1	Carlton	64	First government lot N. of NENW	3	Forestry	Trench	95	1707	3.8	50	45	100	300	0.7	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Fond du Lac State Forest Minor centerline shift, no workspace change NPC/SOBS BMPs
175	T-0141-E	1105.5	49	19	1	Carlton	21	NENW	6	Forestry	Trench	95	332	0.5	50	45	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Fond du Lac State Forest NPC/SOBS BMPs
176	T-0141-B	1105.6	49	19	1	Carlton	12	NWNE	7	Forestry	Trench	95	1621	3.3	50	45	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Fond du Lac State Forest NPC/SOBS BMPs
177	T-0141-C	1105.8	49	19	1	Carlton	13	SWNE	10	Forestry	Trench	120	816	1.8	50	70	50	510	0.6	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Fond du Lac State Forest NPC/SOBS BMPs
178	T-0141-D	1106.0	49	19	1	Carlton	14	SENE	9	Forestry	Trench	120	1508	3.4	50	70	55	288	0.3	0.0	0.0	0.0	0.0	0.0	0.0	N/A	October 2020	Fond du Lac State Forest

Attachment A List of Public Lands Crossed

Parcel ID Number	Tract Name	Approx. Milepost ^a	Township	Range	Section	County	Forty	Forty Desc.	Govt. Lot	Land Administrator	Land Crossing Method ^b	Construction Right-of-Way ^c			Operational Right-of-Way Width (feet) ^d	Temporary Workspace Width (feet) ^e	Additional Temporary Workspace ^f			Catholic Protection Operational Impacts (acres)	Valve Site Operational Impacts (acres) ^g	Third-Party Buffer Area			Potential Seasonal Ponds (acres)	Waterbody Crossed (Depth of Cover)	Current State Land Crossing Plan Sheet	Comments ^h
												Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)			Width (feet)	Length (feet)	Area (acres)				
179	T-0101	1115.6	48	17	6	Carlton	43	SWSE	0	Fisheries	Trench	103	861	1.7	50	53	50	75	0.1	0.0	0.0	0.0	0.0	0.0	N/A	Unnamed Stream (4.3 feet)	October 2020	Little Otter Aquatic Management Area New ATWS to address DOC requirements Public Water ID Nos. 63a/63b / SSRP Bridge Type: Span - In Stream Support
180	T-0097	1115.7	48	17	7	Carlton	12	NWNE	0	Fisheries	Trench	105	1006	2.1	50	55	74	196	0.3	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Little Otter Aquatic Management Area Snowmobile Trail
181	MN-CR-087.000	1118.0	48	17	16	Carlton	24	SENW	0	Trails and Waterways	Bore	95	255	0.4	50	45	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Willard Munger State Trail Snowmobile Trail
182	MN-CR-088.300	1118.1	48	17	16	Carlton	13	SWNE	0	Trails and Waterways	Bore	95	106	0.1	50	45	0	0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	October 2020	Willard Munger State Trail

Note: Parcel Nos. 36, 69, 77, and 125 were crossed by the Project in the September 2018 application but are no longer crossed. Parcel No. 182 was not crossed in the September 2018 submittal but is a new parcel for the December 2019 update.

a Entries with a zero value indicate that the parcel is not crossed by the centerline, but crossed by some element of the construction right-of-way or catholic bed.

b All MDNR parcels will be crossed "under", or below, MDNR lands, as opposed to "over," or above. Low-impact crossing types such as horizontal directional drills (HDDs) or bore crossings are noted when applicable.

c The construction right-of-way includes both the operational right-of-way and the temporary workspace. The width of the construction right-of-way across the parcel may vary; in all instances Enbridge presents the widest standard width within a parcel. The construction right-of-way length represents the longest point across the parcel. Acreage impacts are rounded up to the nearest tenth of an acre. For State Trail crossings (ID Nos. 46 and 181), Enbridge presented the "length" of crossing using the width of the Trail easement parcel.

d The width of the operational right-of-way across the parcel may vary; in all instances Enbridge presents the widest standard width within a parcel. Acreage impacts are rounded up to the nearest tenth of an acre.

e The width of the temporary workspace across the parcel may vary; in all instances Enbridge presents the widest standard width within a parcel.

f In instances of parcels two or more Additional Temporary Workspaces (ATWS), the dimensions are presented for each unique ATWS and the total area represents the sum of all areas, calculated by GIS.

g Acreage presented is for valve site impacts only; the impacts from permanent access roads to each valve site are considered in Enbridge's application for a Lease for long-term access roads.

h No clearing on MDNR lands between June and July unless a bat protection plan has been approved by the MDNR.