

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Pembina	Red River of the North - Tamarac River	09020311	N/A	w-160n50w6-a	7/23/2014	801.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	--	--	0.00	0.00	160	50	5	NWSW	48.711170	-97.124591		
Pembina	Red River of the North - Tamarac River	09020311	N/A	w-160n50w5-b	7/22/2014	801.5	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	HDD (Red River of the North MP 801.8) / Open Cut	N/A	1,905.5	5.04	--	--	5.04	160	50	5	NWSW	48.708712	-97.117830		
Pembina	Red River of the North - Tamarac River	09020311	N/A	w-160n50w5-b	7/22/2014	801.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Red River of the North MP 801.8) / Open Cut	N/A	43.8	--	0.05	--	0.05	160	50	5	NWSW	48.708712	-97.117830		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w9-a	7/7/2015	801.9	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Red River of the North MP 801.8)	N/A	258.0	--	0.18	--	0.18	160	50	4, 9	NENE, NWNE, SESE	48.703738	-97.113170		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w9-a	7/7/2015	801.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Red River of the North MP 801.8) / Open Cut / Water Appropriation	N/A	808.4	3.37	--	--	3.37	160	50	4, 9	NENE, NWNE, SESE	48.703738	-97.113170		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w10-a	6/26/2014	802.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.2	0.02	--	--	0.02	160	50	10	SWNW	48.698287	-97.106611		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w10-c	6/27/2014	803.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	354.8	0.97	--	--	0.97	160	50	10	SESW, SWSE	48.690974	-97.095201		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w10-d	6/27/2014	803.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	722.9	2.05	--	--	2.05	160	50	10, 15	NENE, NWNE, SWSE	48.688442	-97.091285		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w14-a	6/30/2014	803.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.6	0.03	--	--	0.03	160	50	14	SWNW	48.683073	-97.084649		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w23-a	7/2/2014	805.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.04	--	--	0.04	160	50	23	SWNE	48.668940	-97.070290		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w23-e	7/29/2014	805.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	181.2	0.44	--	--	0.44	160	50	23	NESE	48.664851	-97.066361		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n50w23-d	7/2/2014	805.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	0.01	0.05	160	50	23	SESE	48.662180	-97.063058		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n49w30-a	6/28/2016	807.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	28.0	0.09	--	--	0.09	160	49	30	SWSW	48.646386	-97.039608		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n49w31-a	7/1/2014	807.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	15.5	0.03	--	--	0.03	160	49	31	NWNW	48.645848	-97.039161		
Kittson	Red River of the North - Tamarac River	09020311	3	w-160n49w31-b	7/1/2014	808.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.7	0.02	--	--	0.02	160	49	31	SESE	48.633400	-97.020416		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w5-a	7/2/2014	809.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	21.5	0.05	--	--	0.05	159	49	5	NWSE, SWNE	48.623998	-97.006506		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w5-b	7/7/2014	809.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	213.8	0.70	--	--	0.70	159	49	5	SESE	48.619755	-97.000478		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w5-b	7/7/2014	809.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	159	49	5	SESE	48.619755	-97.000478		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w5-b	7/7/2014	809.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	159	49	5	SESE	48.619755	-97.000478	Forested Seasonal Ponds	
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w9-a	7/7/2014	810.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	26.2	0.07	--	--	0.07	159	49	9	SENW	48.611979	-96.988816		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w10-b	7/30/2014	811.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	15.2	0.04	--	--	0.04	159	49	10	SWSW	48.603337	-96.976315		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w10-a	7/30/2014	811.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	94.5	0.18	--	--	0.18	159	49	10	SWSW	48.602893	-96.975470		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w15-a	7/29/2014	812.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	31.9	0.07	--	--	0.07	159	49	15	SESE	48.588621	-96.955391		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w23-g	7/2/2014	812.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	41.8	0.10	--	--	0.10	159	49	23	NWNW	48.587291	-96.953859		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w25-d	6/28/2014	814.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	15.3	0.01	--	0.09	0.10	159	49	25	NWNW, SWNW	48.568953	-96.933043		

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Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w26-a	6/28/2014	814.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	5.7	0.01	--	--	0.01	159	49	26	NENE, SENE	48.568945	-96.933281		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n48w31-g	6/27/2014	815.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	15.0	0.03	--	--	0.03	159	49	36	NENE	48.556543	-96.911348		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n49w36-a	6/27/2014	815.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	20.8	0.04	--	--	0.04	159	49	36	NENE	48.556763	-96.911644		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n48w31-f	6/26/2014	816.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	164.2	0.44	--	--	0.44	159	48	31	NWSE	48.547783	-96.899531		
Kittson	Red River of the North - Tamarac River	09020311	3	w-159n48w31-e	6/26/2014	816.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	127.4	0.23	--	--	0.23	159	48	31	NWSE, SWSE	48.546791	-96.898111		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w6-b	7/7/2015	817.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	32.0	0.07	--	--	0.07	158	48	6	NENE	48.542108	-96.891136		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w6-c	7/7/2015	817.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	10.8	0.02	--	--	0.02	158	48	6	NENE	48.542102	-96.891539		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w6-d	7/27/2016	817.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	29.7	0.06	--	--	0.06	158	48	6	NENE	48.542147	-96.892012		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w6-a	6/23/2014	817.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	9.5	0.01	--	--	0.01	158	48	5, 6	NENE, NWNW	48.541957	-96.889662		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w5-a	6/23/2014	818.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.1	0.03	--	--	0.03	158	48	5	NESW, NWSE	48.532402	-96.878813		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w5-c	6/23/2014	818.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.3	0.02	--	--	0.02	158	48	5	NESW	48.532548	-96.879006		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w5-b	6/23/2014	818.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	42.3	0.07	--	--	0.07	158	48	5	SWSE	48.528934	-96.874313		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w8-b	6/26/2014	818.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	23.6	0.05	--	--	0.05	158	48	8	NWNE	48.528674	-96.874023		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w8-a	6/26/2014	818.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	22.8	0.05	--	--	0.05	158	48	8	SENE	48.523885	-96.867829		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w9-c	6/25/2014	818.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	158	48	9	SWNW	48.523545	-96.867593		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w9-b	6/25/2014	818.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	72.6	0.15	--	--	0.15	158	48	9	SWNW	48.522577	-96.866071		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w9-a	6/25/2014	819.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	23.1	0.11	--	--	0.11	158	48	9	NWSW, SWNW	48.521549	-96.864892		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w16-a	6/25/2014	819.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	25.7	0.05	--	--	0.05	158	48	16	NWNE	48.514175	-96.855235		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w15-b	6/25/2014	820.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	20.7	0.06	--	--	0.06	158	48	15	NWSW, SWNW	48.506855	-96.845667		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w15-a	6/23/2014	820.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	16.7	0.04	--	--	0.04	158	48	15	SESW	48.499870	-96.836749		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w22-a	6/23/2014	821.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	30.7	0.05	--	--	0.05	158	48	22	SENE	48.492632	-96.827393		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w22-b	6/23/2014	821.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	158	48	22	NESE	48.490013	-96.824110		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w22-c	6/23/2014	821.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	158	48	22	NESE	48.490238	-96.824110		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w23-a	6/23/2014	822.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	13.2	0.02	--	--	0.02	158	48	23	SESW	48.485502	-96.818071		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w26-a	6/23/2014	822.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	7.6	0.02	--	--	0.02	158	48	23, 26	NENW, SESW	48.485327	-96.817979		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w26-b	6/26/2014	822.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	158	48	26	SWNE	48.478258	-96.811492		

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Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w36-a	7/28/2014	824.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	13.3	0.03	--	--	0.03	158	48	36	SWSE	48.456635	-96.789025		
Marshall	Red River of the North - Tamarac River	09020311	3	w-158n48w36-b	7/29/2014	824.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	7.8	0.02	--	--	0.02	158	48	36	SWSE	48.456406	-96.788787		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n48w1-a	7/29/2014	825.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	28.6	0.05	--	--	0.05	157	48	1	NESE	48.448762	-96.780294		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w6-a	8/18/2016	826.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	35.6	0.15	--	--	0.15	157	47	6	SWSE	48.442285	-96.768075		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w7-a	7/29/2014	826.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	157	47	7	NWNE	48.441981	-96.768097		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w7-b	7/29/2014	826.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	20.2	0.03	--	--	0.03	157	47	7	NWNE	48.441953	-96.767695		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w16-db	10/9/2018	828.5	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Tamarac River MP 828.5) / Water Appropriation	N/A	193.9	0.08	0.17	--	0.26	157	47	16	SWSW	48.414173	-96.735586		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w21-b	7/30/2014	829.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	26.7	0.06	--	--	0.06	157	47	21	NENE, SENE	48.409585	-96.715124		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w22-a	7/31/2014	829.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	23.3	0.05	--	--	0.05	157	47	22	SWNW	48.409256	-96.714713		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w22-b	7/31/2014	830.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.0	0.01	--	--	0.01	157	47	27	NWNE	48.398940	-96.700698		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w27-a	7/30/2014	830.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	71.7	0.11	--	--	0.11	157	47	27	NWNE	48.398138	-96.699396		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w26-h	9/17/2019	831.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	Open Cut	N/A	55.0	0.15	--	--	0.15	157	47	26	SESW	48.387647	-96.685517		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w36-a	8/1/2014	832.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	157	47	36	NWSW	48.376798	-96.670974		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w36-c	8/4/2014	832.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	260.6	0.60	--	--	0.60	157	47	36	SESW	48.372606	-96.664787		
Marshall	Red River of the North - Tamarac River	09020311	3	w-157n47w36-b	8/1/2014	833.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	143.8	0.35	--	--	0.35	156, 157	47	2, 36	NWNE, SESW	48.369991	-96.660876		
Marshall	Red River of the North - Tamarac River	09020311	3	w-156n47w2-a	8/4/2014	833.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	14.4	0.03	--	--	0.03	156	47	1	SWNW	48.364369	-96.652861		
Marshall	Red River of the North - Tamarac River	09020311	3	w-156n47w1-a	8/5/2014	833.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	128.1	0.36	--	--	0.36	156	47	1	SWNW	48.363674	-96.651808		
Marshall	Red River of the North - Tamarac River	09020311	3	w-156n47w1-a	8/5/2014	833.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	93.6	0.19	--	--	0.19	156	47	1	SWNW	48.363674	-96.651808		
Marshall	Red River of the North - Tamarac River	09020311	3	w-156n47w1-b	8/5/2014	833.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	77.9	0.38	--	--	0.38	156	47	1	NWSW, SWNW	48.362444	-96.650149		
Marshall	Red River of the North - Tamarac River	09020311	3	w-156n47w1-b	8/5/2014	833.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	83.3	0.10	--	--	0.10	156	47	1	NWSW, SWNW	48.362444	-96.650149		
Marshall	Snake River	09020309	3	w-156n47w1-c	8/12/2014	834.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.06	--	--	0.06	156	47	1	SWSE	48.356825	-96.641250		
Marshall	Snake River	09020309	3	w-156n47w12-a	8/12/2014	834.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	31.2	0.07	--	--	0.07	156	47	12	NENE, NWNE	48.353778	-96.636584		
Marshall	Snake River	09020309	3	w-156n46w7-c	8/13/2014	835.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.00	--	0.00	156	46	7	SWSE	48.342435	-96.618825		
Marshall	Snake River	09020309	3	w-156n46w7-c	8/13/2014	835.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Middle River MP 835.9)	N/A	135.7	--	0.09	--	0.09	156	46	7	SWSE	48.342435	-96.618825	Forested Seasonal Ponds	
Marshall	Snake River	09020309	3	w-156n46w7-bb	10/9/2019	835.9	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	--	N/A	--	0.03	--	--	0.03	156	46	7, 18	NWNE, SWSE	48.340875	-96.619396		
Marshall	Snake River	09020309	3	w-156n46w17-a	6/21/2017	836.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.09	--	0.02	0.11	156	46	17	SWNW	48.334671	-96.608989		
Marshall	Snake River	09020309	3	w-156n46w17-b	8/13/2014	837.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	156	46	17	SESW	48.329694	-96.602365		
Marshall	Snake River	09020309	3	w-156n46w17-c	8/13/2014	837.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	156	46	17	SESW	48.328302	-96.600513		
Marshall	Snake River	09020309	3	w-156n46w17-e	8/14/2014	837.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	445.7	0.97	--	--	0.97	156	46	17	SESW, SWSE	48.327302	-96.598899		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Marshall	Snake River	09020309	3	w-156n46w20-a	8/14/2014	837.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	111.3	0.31	--	--	0.31	156	46	20	NWNE	48.325032	-96.595683		
Marshall	Snake River	09020309	3	w-156n46w20-b	8/15/2014	838.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	30.6	0.05	--	--	0.05	156	46	21	NWSW, SWNW	48.319203	-96.587520		
Marshall	Snake River	09020309	3	w-156n46w21-a	8/21/2014	838.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	75.9	0.16	--	--	0.16	156	46	21	NWSW	48.317380	-96.585277		
Marshall	Snake River	09020309	3	w-156n46w21-c	8/21/2014	838.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	526.3	1.17	--	--	1.17	156	46	21	NESW, NWSW, SWSW	48.315642	-96.582530		
Marshall	Snake River	09020309	3	w-156n46w21-d	7/8/2015	838.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	46.4	0.10	--	--	0.10	156	46	21	NESW, SESW, SWSW	48.315389	-96.582118		
Marshall	Snake River	09020309	3	w-156n46w21-e	8/21/2014	838.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	31.4	0.07	--	--	0.07	156	46	21	SESW	48.315143	-96.581783		
Marshall	Snake River	09020309	3	w-156n46w21-f	8/21/2014	838.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	8.8	0.02	--	--	0.02	156	46	28	NENW	48.311786	-96.577664		
Marshall	Snake River	09020309	3	w-156n46w28-c	6/24/2014	838.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	10.7	0.03	--	--	0.03	156	46	28	NENW	48.311594	-96.577412		
Marshall	Snake River	09020309	3	w-156n46w28-b	6/24/2014	839.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	45.6	0.10	--	--	0.10	156	46	28	SESW	48.300687	-96.577052		
Marshall	Snake River	09020309	3	w-156n46w28-a	6/24/2014	839.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.8	0.03	--	--	0.03	156	46	33	NENW	48.297295	-96.577066		
Marshall	Snake River	09020309	3	w-156n46w33-a	6/24/2014	839.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	10.4	0.02	--	--	0.02	156	46	33	NENW	48.297125	-96.577054		
Marshall	Snake River	09020309	3	w-156n46w33-c	9/16/2014	839.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.10	--	--	0.10	156	46	33	NENW	48.296833	-96.577645		
Marshall	Snake River	09020309	3	w-156n46w33-c	9/16/2014	839.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	--	--	0.04	156	46	33	NENW	48.296833	-96.577645		
Marshall	Snake River	09020309	3	w-156n46w33-e	9/16/2014	839.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	156	46	33	NENW	48.294723	-96.577270		
Marshall	Snake River	09020309	3	w-156n46w33-f	9/16/2014	839.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	156	46	33	NENW	48.294785	-96.576981		
Marshall	Snake River	09020309	3	w-156n46w33-g	9/16/2014	839.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.07	--	--	0.07	156	46	33	SENW	48.292865	-96.576984		
Marshall	Snake River	09020309	3	w-156n46w33-h	9/16/2014	839.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.00	--	--	0.00	156	46	33	SENW	48.292096	-96.577140		
Marshall	Snake River	09020309	3	w-156n46w33-h	9/16/2014	839.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	6.3	0.02	--	--	0.02	156	46	33	SENW	48.292096	-96.577140		
Marshall	Snake River	09020309	3	w-156n46w33-i	9/16/2014	839.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	24.0	0.04	--	--	0.04	156	46	33	NESW	48.289153	-96.577161		
Marshall	Snake River	09020309	3	w-156n46w33-k	9/17/2014	840.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	4.8	0.02	--	--	0.02	156	46	33	SWSE	48.286389	-96.574966		
Marshall	Snake River	09020309	3	w-156n46w33-l	9/17/2014	840.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	156	46	33	SWSE	48.285254	-96.573371		
Marshall	Snake River	09020309	3	w-156n46w33-m	9/17/2014	840.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	205.5	0.25	--	--	0.25	156	46	33	SWSE	48.283795	-96.571756		
Marshall	Snake River	09020309	3	w-155n46w3-a	9/17/2014	840.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	21.1	0.05	--	--	0.05	155	46	4	SENE	48.278635	-96.565662		
Marshall	Snake River	09020309	3	w-155n46w3-d	6/3/2015	841.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	40.7	0.09	--	--	0.09	155	46	3	NWSE	48.275236	-96.550712		
Marshall	Snake River	09020309	3	w-155n46w2-f	6/5/2015	841.9	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	61.7	0.06	--	--	0.06	155	46	2	NESW, NWSE	48.275310	-96.533128		
Marshall	Snake River	09020309	3	w-155n46w2-f	6/5/2015	841.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	38.3	0.13	--	--	0.13	155	46	2	NESW, NWSE	48.275310	-96.533128		
Marshall	Snake River	09020309	3	w-155n46w2-f	6/5/2015	841.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	161.7	0.50	--	--	0.50	155	46	2	NESW, NWSE	48.275310	-96.533128		
Marshall	Snake River	09020309	3	w-155n46w2-f	6/5/2015	841.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	177.5	0.12	0.19	--	0.31	155	46	2	NESW, NWSE	48.275310	-96.533128		
Marshall	Snake River	09020309	3	w-155n46w2-f	6/5/2015	841.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	155	46	2	NESW, NWSE	48.275310	-96.533128		
Marshall	Snake River	09020309	3	w-155n46w2-c	7/31/2014	842.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.7	0.03	--	--	0.03	155	46	2	NESE	48.275246	-96.522428		
Marshall	Snake River	09020309	3	w-155n46w2-d	8/1/2014	842.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	16.3	0.03	--	--	0.03	155	46	1	NWSW	48.275200	-96.522234		
Marshall	Snake River	09020309	3	w-155n46w1-b	8/1/2014	842.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.08	--	--	0.08	155	46	1	NWSW, SWSW	48.271917	-96.518171		
Marshall	Snake River	09020309	3	w-155n46w1-c	8/1/2014	842.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.08	--	--	0.08	155	46	1	SWSW	48.271625	-96.517496		
Marshall	Snake River	09020309	3	w-155n46w12-a	8/1/2014	842.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	17.8	0.03	--	--	0.03	155	46	12	NENW	48.268131	-96.513257		
Marshall	Snake River	09020309	3	w-155n46w1-a	8/1/2014	842.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	155	46	1	SESW	48.268331	-96.513682		
Marshall	Snake River	09020309	3	w-155n46w12-b	8/1/2014	843.1	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Snake River MP 843.2) / Water Appropriation	N/A	173.3	--	0.14	--	0.14	155	46	12	NWNE	48.265631	-96.509750		
Marshall	Snake River	09020309	3	w-155n46w12-b	8/1/2014	843.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Snake River MP 843.2)	N/A	67.3	0.04	--	--	0.04	155	46	12	NWNE	48.265631	-96.509750		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Marshall	Snake River	09020309	3	w-155n46w12-d	8/14/2015	843.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	155	46	12	NWNE, SENE, SWNE	48.264784	-96.506760		
Marshall	Snake River	09020309	3	w-155n45w7-a	8/2/2014	843.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	31.3	0.08	--	--	0.08	155	45	7	NWSW	48.259478	-96.500578		
Marshall	Snake River	09020309	3	w-155n46w12-f	8/2/2014	843.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	28.8	0.05	--	--	0.05	155	45	7	NWSW	48.259647	-96.500805		
Marshall	Snake River	09020309	3	w-155n45w7-c	8/2/2014	844.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	141.9	0.15	--	--	0.15	155	45	7, 18	NENW, NWNW, SESW, SWSW	48.254175	-96.495829		
Marshall	Snake River	09020309	3	w-155n45w7-c	8/2/2014	844.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	326.5	0.66	--	--	0.66	155	45	7, 18	NENW, NWNW, SESW, SWSW	48.254175	-96.495829		
Marshall	Snake River	09020309	3	w-155n45w7-c	8/2/2014	844.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.07	--	--	0.07	155	45	7, 18	NENW, NWNW, SESW, SWSW	48.254175	-96.495829		
Marshall	Snake River	09020309	3	w-155n45w7-c	8/2/2014	844.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.28	0.03	--	0.31	155	45	7, 18	NENW, NWNW, SESW, SWSW	48.254175	-96.495829		
Marshall	Snake River	09020309	3	w-155n45w18-b	8/4/2014	844.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	353.3	0.74	--	--	0.74	155	45	18	NWSE	48.245311	-96.486448		
Marshall	Snake River	09020309	3	w-155n45w18-c	8/4/2014	845.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	20.1	0.05	--	--	0.05	155	45	18	NWSE	48.245238	-96.484644		
Marshall	Snake River	09020309	3	w-155n45w18-e	8/4/2014	845.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	22.9	0.05	--	--	0.05	155	45	18	NESE	48.244807	-96.479207		
Marshall	Snake River	09020309	3	w-155n45w17-a	8/4/2014	845.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	2,189.3	4.66	--	--	4.66	155	45	17, 20	NENW, NWSW, SESW, SWSW	48.241318	-96.474093		
Marshall	Snake River	09020309	3	w-155n45w17-a	8/4/2014	845.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	60.2	0.09	0.07	--	0.16	155	45	17, 20	NENW, NWSW, SESW, SWSW	48.241318	-96.474093		
Marshall	Snake River	09020309	3	w-155n45w20-a	8/6/2014	845.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	736.7	1.43	--	--	1.43	155	45	20	NENW	48.238561	-96.470150	Wetlands with Known Occurrences of MDNR State-Listed Species	
Marshall	Snake River	09020309	3	w-155n45w20-a	8/6/2014	845.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	134.8	0.27	--	--	0.27	155	45	20	NENW	48.238561	-96.470150	Wetlands with Known Occurrences of MDNR State-Listed Species	
Marshall	Snake River	09020309	3	w-155n45w20-a	8/6/2014	845.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.29	0.00	--	0.29	155	45	20	NENW	48.238561	-96.470150	Wetlands with Known Occurrences of MDNR State-Listed Species	
Marshall	Snake River	09020309	3	w-155n45w20-b	8/7/2014	846.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	155	45	20	NWNE	48.236094	-96.466083		
Marshall	Snake River	09020309	3	w-155n45w20-d	8/22/2014	846.2	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	Open Cut	N/A	45.8	0.06	--	--	0.06	155	45	20	SWNE	48.234423	-96.463994		
Marshall	Snake River	09020309	3	w-155n45w20-f	8/22/2014	846.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	289.4	0.58	--	--	0.58	155	45	20	SENE, SWNE	48.233291	-96.462278		
Marshall	Snake River	09020309	3	w-155n45w20-f	8/22/2014	846.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	155	45	20	SENE, SWNE	48.233291	-96.462278	Forested Seasonal Ponds	
Marshall	Snake River	09020309	3	w-155n45w20-g	8/22/2014	846.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	73.7	0.16	--	--	0.16	155	45	20	NESE, SENE	48.231979	-96.460388		
Marshall	Snake River	09020309	3	w-155n45w20-g	8/22/2014	846.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	155	45	20	NESE, SENE	48.231979	-96.460388		
Marshall	Snake River	09020309	3	w-155n45w20-h	8/22/2014	846.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	18.9	0.15	--	--	0.15	155	45	20	SESE	48.227060	-96.457015		
Marshall	Snake River	09020309	3	w-155n45w20-h	8/22/2014	846.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	155	45	20	SESE	48.227060	-96.457015		
Marshall	Snake River	09020309	3	w-155n45w21-a	8/25/2014	847.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	20.6	0.05	--	--	0.05	155	45	21	SWSW	48.225075	-96.453972		
Marshall	Snake River	09020309	3	w-155n45w28-a	8/25/2014	847.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	20.5	0.04	--	--	0.04	155	45	28	NWNW	48.224919	-96.453758		
Marshall	Snake River	09020309	3	w-155n45w28-b	8/25/2014	847.2	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	106.0	0.17	--	--	0.17	155	45	28	NENW, NWNW	48.222851	-96.450900		
Marshall	Snake River	09020309	3	w-155n45w28-b	8/25/2014	847.2	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.10	0.00	--	0.10	155	45	28	NENW, NWNW	48.222851	-96.450900		
Marshall	Snake River	09020309	3	w-155n45w28-c	8/25/2014	847.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	15.4	0.04	--	--	0.04	155	45	28	SENW	48.220863	-96.447799		
Marshall	Snake River	09020309	3	w-155n45w28-e	9/18/2014	847.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.07	--	--	0.07	155	45	28	NWSE	48.217449	-96.442856		
Marshall	Snake River	09020309	3	w-155n45w28-h	9/18/2014	848.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	260.0	0.53	--	--	0.53	155	45	28	SESE	48.213436	-96.439112		
Marshall	Snake River	09020309	3	w-155n45w28-h	9/18/2014	848.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.03	--	--	0.03	155	45	28	SESE	48.213436	-96.439112		
Marshall	Snake River	09020309	3	w-155n45w33-a	9/23/2014	848.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	155	45	33	NENE	48.209942	-96.434354		
Marshall	Snake River	09020309	3	w-155n45w34-a	9/23/2014	848.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	4.7	0.01	--	--	0.01	155	45	34	NWNW	48.209823	-96.434124		
Marshall	Snake River	09020309	3	w-155n45w34-b	9/23/2014	848.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	155	45	34	NWNW	48.209618	-96.433265		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Marshall	Snake River	09020309	3	w-155n45w34-c	9/23/2014	848.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	45.6	0.08	--	--	0.08	155	45	34	SENW	48.206366	-96.427676		
Marshall	Snake River	09020309	3	w-155n45w34-e	9/23/2014	849.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	15.0	0.07	--	--	0.07	155	45	34	SENW	48.204444	-96.425144		
Marshall	Snake River	09020309	3	w-155n45w34-g	9/23/2014	849.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.8	0.03	--	--	0.03	155	45	34	NESW	48.203696	-96.424065		
Marshall	Snake River	09020309	3	w-155n45w34-h	9/24/2014	849.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	207.6	0.23	--	--	0.23	155	45	34	NWSE	48.201491	-96.420879		
Marshall	Snake River	09020309	3	w-155n45w34-l	9/24/2014	849.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.06	--	--	0.06	155	45	34	SESE, SWSE	48.199723	-96.418345		
Marshall	Snake River	09020309	3	w-155n45w34-k	9/24/2014	849.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.06	--	--	0.06	155	45	34	SESE	48.197998	-96.415287		
Marshall	Snake River	09020309	3	w-154n45w2-a	9/24/2014	849.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	263.1	0.50	--	--	0.50	154	45	2	NWNW	48.196299	-96.412787		
Marshall	Snake River	09020309	3	w-154n45w2-a	9/24/2014	849.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	15.3	0.05	--	--	0.05	154	45	2	NWNW	48.196299	-96.412787		
Marshall	Snake River	09020309	3	w-154n45w3-a	9/24/2014	849.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	154	45	3	NENE	48.196464	-96.413351		
Marshall	Snake River	09020309	3	w-155n45w34-m	9/24/2014	849.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut / Bore Pit	N/A	72.9	0.20	--	--	0.20	155	45	34	SESE	48.196742	-96.413500		
Marshall	Snake River	09020309	3	w-155n45w34-m	9/24/2014	849.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	23.1	0.04	--	--	0.04	155	45	34	SESE	48.196742	-96.413500		
Marshall	Snake River	09020309	3	w-155n45w35-a	9/24/2014	849.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	155	45	35	SWSW	48.196601	-96.413065		
Marshall	Red River of the North - Grand Marais Creek	09020306	3	w-154n45w2-c	9/25/2014	850.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.17	--	--	0.17	154	45	2	SENW	48.190426	-96.403791		
Marshall	Red River of the North - Grand Marais Creek	09020306	3	w-154n45w2-e	9/25/2014	850.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	738.8	1.13	--	--	1.13	154	45	2	NWSE, SWSE	48.186202	-96.399050		
Marshall	Red River of the North - Grand Marais Creek	09020306	3	w-154n45w2-e	9/25/2014	850.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	29.4	0.85	--	--	0.85	154	45	2	NWSE, SWSE	48.186202	-96.399050		
Marshall	Red River of the North - Grand Marais Creek	09020306	3	w-154n45w11-a	9/25/2014	851.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	69.0	0.27	--	--	0.27	154	45	11	NENE	48.179443	-96.392024		
Marshall	Red River of the North - Grand Marais Creek	09020306	3	w-154n45w12-d	7/24/2014	851.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	36.7	0.16	--	--	0.16	154	45	12	SWNW	48.175415	-96.387937		
Pennington	Red River of the North - Grand Marais Creek	09020306	3	w-154n45w13-a	7/24/2014	852.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	31.6	0.09	--	--	0.09	154	45	13	NWNE	48.166780	-96.374851		
Pennington	Red Lake River	09020303	3	w-154n44w18-i	9/25/2014	853.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	678.4	1.47	--	--	1.47	154	44	18	SWNW	48.161579	-96.367078		
Pennington	Red Lake River	09020303	3	w-154n44w18-a	8/23/2014	853.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	498.8	0.76	--	--	0.76	154	44	18	NWSW, SWNW	48.159678	-96.364232		
Pennington	Red Lake River	09020303	3	w-154n44w18-a	8/23/2014	853.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.28	--	--	0.28	154	44	18	NWSW, SWNW	48.159678	-96.364232	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-154n44w18-a	8/23/2014	853.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	154	44	18	NWSW, SWNW	48.159678	-96.364232	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-154n44w18-b	8/23/2014	853.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	117.2	0.16	--	--	0.16	154	44	18	NESW	48.156800	-96.360243		
Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	Public Water Inventory (Public Water Wetland - Unnamed)	24.3	0.05	--	--	0.05	154	44	18	SESW, SWSE	48.154929	-96.357224		
Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	Public Water Inventory (Public Water Wetland - Unnamed)	57.4	0.11	--	--	0.11	154	44	18	SESW, SWSE	48.154929	-96.357224	Wetlands with High or Outstanding Biodiversity Sites	
Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.55	--	--	0.55	154	44	18	SESW, SWSE	48.154929	-96.357224	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	Public Water Inventory (Public Water Wetland - Unnamed)	810.8	1.21	--	--	1.21	154	44	18	SESW, SWSE	48.154929	-96.357224	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	154	44	18	SESW, SWSE	48.154929	-96.357224		

Line 3 Replacement Project  
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Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	0.00	--	0.02	154	44	18	SESW, SWSE	48.154929	-96.357224	Wetlands with High or Outstanding Biodiversity Sites	
Pennington	Red Lake River	09020303	3	w-154n44w18-f	8/23/2014	853.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	0.00	--	0.02	154	44	18	SESW, SWSE	48.154929	-96.357224	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Pennington	Red Lake River	09020303	3	w-154n44w18-g	8/25/2014	853.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	154	44	18	SWSE	48.152532	-96.353869		
Pennington	Red Lake River	09020303	3	w-154n44w18-g	8/25/2014	853.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	25.1	0.02	0.03	--	0.05	154	44	18	SWSE	48.152532	-96.353869		
Pennington	Red Lake River	09020303	3	w-154n44w19-a	9/26/2014	854.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	195.3	0.70	--	--	0.70	154	44	19	NENE, NWNE	48.151429	-96.353028		
Pennington	Red Lake River	09020303	3	w-154n44w19-a	9/26/2014	854.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	154.8	0.29	--	--	0.29	154	44	19	NENE, NWNE	48.151429	-96.353028		
Pennington	Red Lake River	09020303	3	w-154n44w19-a	9/26/2014	854.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	18.5	0.02	0.02	--	0.04	154	44	19	NENE, NWNE	48.151429	-96.353028		
Pennington	Red Lake River	09020303	3	w-154n44w19-c	9/26/2014	854.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	120.8	0.62	--	--	0.62	154	44	19	NENE, SENE	48.148663	-96.349750		
Pennington	Red Lake River	09020303	3	w-154n44w19-c	9/26/2014	854.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	507.6	0.84	--	--	0.84	154	44	19	NENE, SENE	48.148663	-96.349750		
Pennington	Red Lake River	09020303	3	w-154n44w19-c	9/26/2014	854.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	--	--	0.04	154	44	19	NENE, SENE	48.148663	-96.349750		
Pennington	Red Lake River	09020303	3	w-154n44w19-c	9/26/2014	854.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.00	--	0.05	154	44	19	NENE, SENE	48.148663	-96.349750	Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-154n44w20-c	9/26/2014	854.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	33.3	0.08	--	--	0.08	154	44	20	SWNW	48.147180	-96.347349		
Pennington	Red Lake River	09020303	3	w-154n44w20-b	6/23/2016	854.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	263.4	0.58	--	--	0.58	154	44	20	NESW, NWSW, SWNW	48.144954	-96.344386		
Pennington	Red Lake River	09020303	3	w-154n44w20-b	6/23/2016	854.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	426.4	1.30	--	--	1.30	154	44	20	NESW, NWSW, SWNW	48.144954	-96.344386		
Pennington	Red Lake River	09020303	3	w-154n44w20-ac	6/23/2016	854.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	103.7	0.35	--	--	0.35	154	44	20	NESW, SESW	48.142041	-96.340110		
Pennington	Red Lake River	09020303	3	w-154n44w20-ab	6/23/2016	855.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.0	0.03	--	--	0.03	154	44	20	SWSE	48.140186	-96.337314		
Pennington	Red Lake River	09020303	3	w-154n44w20-ad	6/23/2016	855.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	69.7	0.17	--	--	0.17	154	44	20	SWSE	48.139516	-96.336312		
Pennington	Red Lake River	09020303	3	w-154n44w20-aa	6/23/2016	855.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	20.5	0.04	--	--	0.04	154	44	20	SWSE	48.137614	-96.333557		
Pennington	Red Lake River	09020303	3	w-154n44w20-ae	6/23/2016	855.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	20.1	0.04	--	--	0.04	154	44	20	SWSE	48.137383	-96.333226		
Pennington	Red Lake River	09020303	3	w-154n44w29-aa	6/23/2016	855.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	40.2	0.28	--	--	0.28	154	44	29	NENE	48.135965	-96.330964		
Pennington	Red Lake River	09020303	3	w-154n44w29-ab	6/23/2016	855.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	23.4	0.06	--	--	0.06	154	44	29	NENE, SENE	48.133264	-96.327154		
Pennington	Red Lake River	09020303	3	w-154n44w28-aa	6/23/2016	855.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	417.3	1.21	--	--	1.21	154	44	28, 29	SENE, SWNW	48.132262	-96.325886		
Pennington	Red Lake River	09020303	3	w-154n44w28-aa	6/23/2016	855.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.39	--	--	0.39	154	44	28, 29	SENE, SWNW	48.132262	-96.325886		
Pennington	Red Lake River	09020303	3	w-154n44w28-aa	6/23/2016	855.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	154	44	28, 29	SENE, SWNW	48.132262	-96.325886	Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-154n44w28-b	9/27/2014	856.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.37	--	--	0.37	154	44	28	NESW, NWSW, SESW, SWSE	48.126709	-96.318693		
Pennington	Red Lake River	09020303	3	w-154n44w28-b	9/27/2014	856.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,827.3	3.23	--	--	3.23	154	44	28	NESW, NWSW, SESW, SWSE	48.126709	-96.318693		
Pennington	Red Lake River	09020303	3	w-154n44w28-b	9/27/2014	856.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	--	--	0.04	154	44	28	NESW, NWSW, SESW, SWSE	48.126709	-96.318693		
Pennington	Red Lake River	09020303	3	w-154n44w28-b	9/27/2014	856.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.32	--	--	0.32	154	44	28	NESW, NWSW, SESW, SWSE	48.126709	-96.318693		
Pennington	Red Lake River	09020303	3	w-154n44w28-e	9/27/2014	856.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	330.5	0.69	--	--	0.69	154	44	28	SWSE	48.123422	-96.314501		
Pennington	Red Lake River	09020303	3	w-154n44w28-f	9/27/2014	856.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	20.5	0.04	--	--	0.04	154	44	28	SWSE	48.122821	-96.313768		
Pennington	Red Lake River	09020303	3	w-154n44w33-u	9/23/2014	856.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	44.5	0.10	--	--	0.10	154	44	33	NWNE	48.122498	-96.313392		
Pennington	Red Lake River	09020303	3	w-154n44w33-cc	9/24/2014	856.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	154	44	33	NENE	48.120304	-96.310644		
Pennington	Red Lake River	09020303	3	w-154n44w33-a	9/15/2014	857.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	11.5	0.02	--	--	0.02	154	44	33	SENE	48.116772	-96.305679		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Pennington	Red Lake River	09020303	3	w-154n44w34-a	9/15/2014	857.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	16.5	0.03	--	--	0.03	154	44	34	SWNW	48.116630	-96.305475		
Pennington	Red Lake River	09020303	3	w-154n44w34-d	9/24/2014	857.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	13.1	0.04	--	--	0.04	154	44	34	NWSW	48.114895	-96.302841		
Pennington	Red Lake River	09020303	3	w-154n44w34-e	9/25/2014	857.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	567.4	0.91	--	--	0.91	154	44	34	NESW, NWSW, SESW	48.112293	-96.299043		
Pennington	Red Lake River	09020303	3	w-154n44w34-e	9/25/2014	857.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	387.6	0.44	0.35	--	0.79	154	44	34	NESW, NWSW, SESW	48.112293	-96.299043		
Pennington	Red Lake River	09020303	3	w-154n44w34-e	9/25/2014	857.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	154	44	34	NESW, NWSW, SESW	48.112293	-96.299043	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-154n44w34-g	9/25/2014	857.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	24.0	0.05	--	--	0.05	154	44	34	SESW	48.109273	-96.295165		
Pennington	Red Lake River	09020303	3	w-154n44w34-h	9/25/2014	858.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	7.7	0.03	--	--	0.03	154	44	34	SWSE	48.107883	-96.292765		
Pennington	Red Lake River	09020303	3	w-154n44w34-h	9/25/2014	858.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	19.5	0.04	--	--	0.04	154	44	34	SWSE	48.107883	-96.292765		
Pennington	Red Lake River	09020303	3	w-153n44w3-c	9/26/2014	858.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.04	--	--	0.04	153	44	3	NWNE	48.106498	-96.290838		
Pennington	Red Lake River	09020303	3	w-153n44w3-a	9/26/2014	858.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	8.6	0.03	--	--	0.03	153	44	3	NENE, NWNE	48.106289	-96.290874		
Pennington	Red Lake River	09020303	3	w-153n44w3-a	9/26/2014	858.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	475.6	0.27	--	--	0.27	153	44	3	NENE, NWNE	48.106289	-96.290874		
Pennington	Red Lake River	09020303	3	w-153n44w3-a	9/26/2014	858.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	318.3	0.95	--	--	0.95	153	44	3	NENE, NWNE	48.106289	-96.290874	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-153n44w3-a	9/26/2014	858.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.11	--	--	0.11	153	44	3	NENE, NWNE	48.106289	-96.290874	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-153n44w3-d	9/26/2014	858.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.02	--	--	0.02	153	44	3	NENE, NWNE	48.105701	-96.289796		
Pennington	Red Lake River	09020303	3	w-153n44w3-g	9/26/2014	858.4	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	127.0	0.09	--	--	0.09	153	44	3	NENE, SENE	48.103924	-96.287755		
Pennington	Red Lake River	09020303	3	w-153n44w3-g	9/26/2014	858.4	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.23	--	--	0.23	153	44	3	NENE, SENE	48.103924	-96.287755	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-153n44w3-l	9/27/2014	858.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	153	44	3	SENE	48.102739	-96.286361	Wetlands with S1, S2, or S3 Native Plant Communities	
Pennington	Red Lake River	09020303	3	w-153n44w2-d	7/8/2015	859.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	153	44	2, 11	NENW, NWNE, SESW, SWSE	48.093201	-96.273619		
Pennington	Red Lake River	09020303	3	w-153n44w2-d	7/8/2015	859.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	16.1	0.08	--	--	0.08	153	44	2, 11	NENW, NWNE, SESW, SWSE	48.093201	-96.273619		
Pennington	Red Lake River	09020303	3	w-153n44w2-d	7/8/2015	859.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	0.1	0.01	--	--	0.01	153	44	2, 11	NENW, NWNE, SESW, SWSE	48.093201	-96.273619		
Pennington	Red Lake River	09020303	3	w-153n44w11-b	7/9/2015	859.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	143.1	0.25	--	--	0.25	153	44	11	NWNE	48.092674	-96.272629		
Pennington	Red Lake River	09020303	3	w-153n44w11-b	7/9/2015	859.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	38.7	0.09	--	--	0.09	153	44	11	NWNE	48.092674	-96.272629		
Pennington	Red Lake River	09020303	3	w-153n44w11-b	7/9/2015	859.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	148.0	0.13	0.12	--	0.25	153	44	11	NWNE	48.092674	-96.272629		
Pennington	Red Lake River	09020303	3	w-153n44w11-c	7/8/2015	859.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	666.9	1.23	--	--	1.23	153	44	11	NWNE	48.090317	-96.269302		
Pennington	Red Lake River	09020303	3	w-153n44w11-c	7/8/2015	859.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.05	--	--	0.05	153	44	11	NWNE	48.090317	-96.269302		
Pennington	Red Lake River	09020303	3	w-153n44w11-c	7/8/2015	859.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	27.1	0.12	0.05	--	0.18	153	44	11	NWNE	48.090317	-96.269302		
Pennington	Red Lake River	09020303	3	w-153n44w11-c	7/8/2015	859.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.00	--	0.03	153	44	11	NWNE	48.090317	-96.269302	Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-153n44w11-d	9/30/2014	859.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	64.8	0.26	--	--	0.26	153	44	11	SENE	48.088583	-96.266472		
Pennington	Red Lake River	09020303	3	w-153n44w11-e	9/30/2014	859.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	153	44	11	SENE	48.088122	-96.266196		
Pennington	Red Lake River	09020303	3	w-153n44w12-b	9/30/2014	860.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	36.9	0.12	--	--	0.12	153	44	12	SESW	48.080775	-96.256004		
Pennington	Red Lake River	09020303	3	w-153n44w12-b	9/30/2014	860.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	139.8	0.29	--	--	0.29	153	44	12	SESW	48.080775	-96.256004		
Pennington	Red Lake River	09020303	3	w-153n44w12-c	9/30/2014	860.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	23.0	0.05	--	--	0.05	153	44	12	SESW	48.078722	-96.253522		
Pennington	Red Lake River	09020303	3	w-153n44w13-a	9/30/2014	860.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	29.4	0.06	--	--	0.06	153	44	13	NENW	48.078452	-96.253233		
Pennington	Red Lake River	09020303	3	w-153n44w13-b	10/1/2014	861.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	49.8	0.11	--	--	0.11	153	44	13	NESE	48.071096	-96.244916		



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Pennington	Red Lake River	09020303	3	w-153n44w13-c	10/1/2014	861.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	22.9	0.06	--	--	0.06	153	44	13	NESE	48.068197	-96.241623		
Pennington	Red Lake River	09020303	3	w-153n43w29-a	9/23/2014	863.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	34.5	0.08	--	--	0.08	153	43	29	NWNW	48.048691	-96.216876		
Pennington	Red Lake River	09020303	3	w-153n43w29-b	9/23/2014	863.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	10.1	0.02	--	--	0.02	153	43	29	NENW, SENW	48.045895	-96.213472		
Pennington	Red Lake River	09020303	3	w-153n43w29-c	9/23/2014	863.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	153	43	29	NENW	48.046242	-96.213797		
Pennington	Red Lake River	09020303	3	w-153n43w29-d	9/24/2014	863.8	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	18.9	0.04	--	--	0.04	153	43	29	SENW	48.045675	-96.213253		
Pennington	Red Lake River	09020303	3	w-153n43w29-e	7/8/2015	864.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	23.9	0.03	--	--	0.03	153	43	29	NESW, SENW	48.042455	-96.209460		
Pennington	Red Lake River	09020303	3	w-153n43w29-f	9/24/2014	864.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	79.7	0.12	--	--	0.12	153	43	29	NWSE	48.041281	-96.208104	Wetlands Hydrologically Connected to Wild Rice Waters	
Pennington	Red Lake River	09020303	3	w-153n43w29-g	9/24/2014	864.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	148.5	0.29	--	--	0.29	153	43	29	NWSE	48.040863	-96.207863	Wetlands Hydrologically Connected to Wild Rice Waters	
Pennington	Red Lake River	09020303	3	w-153n43w29-h	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	44.7	--	0.03	--	0.03	153	43	29	SWSE	48.038394	-96.204335	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Pennington	Red Lake River	09020303	3	w-153n43w29-i	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	14.1	--	0.01	--	0.01	153	43	29	SWSE	48.038612	-96.204647	Wetlands Hydrologically Connected to Wild Rice Waters	
Pennington	Red Lake River	09020303	3	w-153n43w29-j	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	43.2	--	0.03	--	0.03	153	43	29	SWSE	48.038612	-96.204647	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-153n43w29-k	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	82.5	--	0.06	--	0.06	153	43	29	SWSE	48.038915	-96.205090	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-153n43w29-l	9/25/2014	864.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	50.1	--	0.03	--	0.03	153	43	29	SWSE	48.037964	-96.203727	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Pennington	Red Lake River	09020303	3	w-153n43w29-m	9/25/2014	864.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	0.6	--	0.01	--	0.01	153	43	29	SESE	48.037482	-96.202989	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-153n43w29-n	9/25/2014	864.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Red Lake River MP 864.3)	N/A	89.4	--	0.06	--	0.06	153	43	29	SESE	48.036402	-96.201548	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-153n43w32-aa	8/7/2018	864.7	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.10	--	--	0.10	153	43	32	0, NENE	48.034714	-96.200880	Wetlands Hydrologically Connected to Wild Rice Waters	
Pennington	Red Lake River	09020303	3	w-153n43w32-ab	8/7/2018	864.7	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.03	--	--	0.03	153	43	32	0, NENE	48.034714	-96.200880	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Pennington	Red Lake River	09020303	3	w-153n43w33-a	9/26/2014	865.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.05	--	--	0.05	153	43	33	NWSE	48.026373	-96.186464		
Pennington	Red Lake River	09020303	3	w-153n43w33-b	9/26/2014	865.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	153.4	0.33	--	--	0.33	153	43	33	NWSE	48.025359	-96.185300		
Pennington	Red Lake River	09020303	3	w-153n43w33-c	9/26/2014	865.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.06	--	--	0.06	153	43	33	NWSE, SWSE	48.024012	-96.183689		
Pennington	Red Lake River	09020303	3	w-152n43w5-b	9/26/2014	866.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	10.9	0.02	--	--	0.02	152	43	5	NENE	48.020274	-96.180301		
Pennington	Red Lake River	09020303	3	w-153n43w33-d	6/5/2015	866.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	14.1	0.03	--	--	0.03	153	43	33	SESE	48.020512	-96.180459		
Pennington	Red Lake River	09020303	3	w-152n43w4-a	9/26/2014	866.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Bore	N/A	53.0	0.12	--	--	0.12	152	43	4	NWNW	48.018962	-96.178628		
Pennington	Red Lake River	09020303	3	w-152n43w5-a	9/26/2014	866.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	14.5	0.03	--	--	0.03	152	43	5	NENE	48.019508	-96.179471		
Pennington	Red Lake River	09020303	3	w-152n43w4-b	9/27/2014	866.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	20.4	0.04	--	--	0.04	152	43	4	NWNW, SWNW	48.017094	-96.175968		
Pennington	Red Lake River	09020303	3	w-152n43w4-c	9/27/2014	866.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	77.0	0.26	--	--	0.26	152	43	4	SENW, SWNW	48.015856	-96.174117		
Pennington	Red Lake River	09020303	3	w-152n43w4-d	9/27/2014	866.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.15	--	--	0.15	152	43	4	SENW	48.015023	-96.172738		
Pennington	Red Lake River	09020303	3	w-152n43w4-f	9/27/2014	866.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	170.5	0.25	--	--	0.25	152	43	4	NESW	48.013113	-96.170053		
Pennington	Red Lake River	09020303	3	w-152n43w9-a	9/29/2014	867.6	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	2.7	0.02	--	--	0.02	152	43	9	NENE	48.004615	-96.158438		
Pennington	Red Lake River	09020303	3	w-152n43w9-b	9/29/2014	867.6	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	14.0	0.03	--	--	0.03	152	43	9, 10	NENE, NWNW	48.004560	-96.158225		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Pennington	Red Lake River	09020303	3	w-152n43w10-a	9/29/2014	868.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	21.2	0.05	--	--	0.05	152	43	10	NESW, SENW	47.999407	-96.151215		
Pennington	Red Lake River	09020303	3	w-152n43w10-b	9/29/2014	868.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	18.1	0.04	--	--	0.04	152	43	10	NESW	47.997656	-96.149556		
Pennington	Red Lake River	09020303	3	w-152n43w10-c	9/29/2014	868.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	14.4	0.04	--	--	0.04	152	43	10	NESW	47.996335	-96.148474		
Pennington	Red Lake River	09020303	3	w-152n43w10-d	9/29/2014	868.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.00	--	--	0.00	152	43	10	SWSE	47.995652	-96.147722		
Pennington	Red Lake River	09020303	3	w-152n43w10-e	9/29/2014	868.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	99.9	0.18	--	--	0.18	152	43	10	SWSE	47.995251	-96.147548		
Pennington	Red Lake River	09020303	3	w-152n43w10-f	9/30/2014	868.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	378.0	0.91	--	--	0.91	152	43	10	SWSE	47.993479	-96.145660		
Pennington	Red Lake River	09020303	3	w-152n43w10-f	9/30/2014	868.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	--	--	0.05	152	43	10	SWSE	47.993479	-96.145660		
Pennington	Red Lake River	09020303	3	w-152n43w15-a	9/30/2014	868.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	13.8	0.03	--	--	0.03	152	43	15	NWNE	47.991926	-96.143481		
Pennington	Red Lake River	09020303	3	w-152n43w15-b	9/30/2014	868.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	26.2	0.06	--	--	0.06	152	43	15	NENE	47.990561	-96.141608		
Pennington	Red Lake River	09020303	3	w-152n43w15-c	9/30/2014	868.9	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.00	--	--	0.00	152	43	15	NENE	47.989401	-96.139857		
Pennington	Red Lake River	09020303	3	w-152n43w15-d	9/30/2014	869.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	14.9	0.03	--	--	0.03	152	43	15	SENE	47.988452	-96.138789		
Pennington	Red Lake River	09020303	3	w-152n43w15-e	9/30/2014	869.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	19.3	0.03	--	--	0.03	152	43	15	SENE	47.987746	-96.137856		
Pennington	Red Lake River	09020303	3	w-152n43w15-f	10/1/2014	869.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	152	43	14	SWNW	47.987493	-96.137655		
Pennington	Red Lake River	09020303	3	w-152n43w14-a	10/1/2014	869.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	61.2	0.17	--	--	0.17	152	43	14	NESW	47.981555	-96.129327		
Pennington	Red Lake River	09020303	3	w-152n43w14-a	10/1/2014	869.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore	N/A	9.4	0.01	--	--	0.01	152	43	14	NESW	47.981555	-96.129327		
Pennington	Red Lake River	09020303	3	w-152n43w14-c	10/8/2014	869.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	2.7	0.01	--	--	0.01	152	43	14	SESW	47.979933	-96.127310		
Pennington	Red Lake River	09020303	3	w-152n43w23-a	10/8/2014	870.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	128.4	0.16	--	--	0.16	152	43	14, 23	NWNE, SWSE	47.977626	-96.124118		
Pennington	Red Lake River	09020303	3	w-152n43w24-a	10/8/2014	870.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	25.6	0.08	--	--	0.08	152	43	24	NWSW, SWNW	47.970531	-96.114534		
Pennington	Red Lake River	09020303	3	w-152n43w24-b	10/8/2014	871.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	33.4	0.14	--	--	0.14	152	43	24	NWSW, SESW, SWSE	47.965257	-96.107369		
Pennington	Red Lake River	09020303	3	w-152n43w24-b	10/8/2014	871.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	27.5	0.09	--	--	0.09	152	43	24	NWSW, SESW, SWSE	47.965257	-96.107369		
Pennington	Red Lake River	09020303	3	w-152n43w24-b	10/8/2014	871.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	152	43	24	NWSW, SESW, SWSE	47.965257	-96.107369		
Pennington	Red Lake River	09020303	3	w-152n43w24-c	10/8/2014	871.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	33.4	0.09	--	--	0.09	152	43	24	SWSE	47.964489	-96.106313		
Pennington	Red Lake River	09020303	3	w-152n43w24-c	10/8/2014	871.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	26.8	0.05	--	--	0.05	152	43	24	SWSE	47.964489	-96.106313		
Red Lake	Red Lake River	09020303	3	w-152n43w25-a	9/29/2014	871.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	152	43	25	NWNE	47.961637	-96.102637		
Red Lake	Red Lake River	09020303	3	w-152n42w30-b	9/27/2014	872.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.0	0.02	--	--	0.02	152	42	30	SESW	47.949257	-96.087866		
Red Lake	Red Lake River	09020303	3	w-152n42w31-b	9/27/2014	872.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	8.5	0.02	--	--	0.02	152	42	30, 31	NENW, SESW	47.949091	-96.087663		
Red Lake	Red Lake River	09020303	3	w-152n42w31-a	9/29/2014	873.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	230.2	0.36	--	--	0.36	152	42	31	NESE	47.940449	-96.077298		
Red Lake	Red Lake River	09020303	3	w-152n42w32-a	9/29/2014	873.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	10.7	0.03	--	--	0.03	152	42	32	NWSW	47.938972	-96.075396		
Red Lake	Red Lake River	09020303	3	w-151n42w5-a	9/30/2014	873.9	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.02	--	--	0.02	151	42	5	NENW, NWNW	47.934471	-96.069986		
Red Lake	Red Lake River	09020303	3	w-151n42w5-a	9/30/2014	873.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.7	0.03	--	--	0.03	151	42	5	NENW, NWNW	47.934471	-96.069986		
Red Lake	Red Lake River	09020303	3	w-151n42w5-b	9/30/2014	874.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.10	--	--	0.10	151	42	5	SWNE	47.930632	-96.063964		
Red Lake	Red Lake River	09020303	3	w-151n42w5-c	9/30/2014	874.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	39.2	0.05	--	--	0.05	151	42	5	SWNE	47.928891	-96.061473		
Red Lake	Red Lake River	09020303	3	w-151n42w5-d	9/30/2014	874.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.05	--	--	0.05	151	42	5	SWNE	47.927994	-96.060203		
Red Lake	Red Lake River	09020303	3	w-151n42w5-e	9/30/2014	874.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	151	42	5	NESE, NWSE	47.927249	-96.059260		
Red Lake	Red Lake River	09020303	3	w-151n42w5-e	9/30/2014	874.7	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.00	--	--	0.00	151	42	5	NESE, NWSE	47.927249	-96.059260		
Red Lake	Clearwater River	09020305	3	w-151n42w4-a	10/1/2014	875.4	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM	HDD (Clearwater River MP 875.4) / Water Appropriation	N/A	20.8	0.01	--	--	0.01	151	42	9	NENW, NWNW	47.919604	-96.048459	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-151n42w4-a	10/1/2014	875.4	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Clearwater River MP 875.4) / Water Appropriation	N/A	5.8	--	0.01	--	0.01	151	42	9	NENW, NWNW	47.919604	-96.048459	Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Red Lake	Clearwater River	09020305	3	w-151n42w9-a	10/1/2014	875.5	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM	HDD (Clearwater River MP 875.4) Water Appropriation	N/A	569.1	0.71	--	--	0.71	151	42	9	NENW	47.919005	-96.046156	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-151n42w9-a	10/1/2014	875.5	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Clearwater River MP 875.4)	N/A	136.9	--	0.11	--	0.11	151	42	9	NENW	47.919005	-96.046156	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-151n42w9-a	10/1/2014	875.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	HDD (Clearwater River MP 875.4)	N/A	47.5	0.05	--	--	0.05	151	42	9	NENW	47.919005	-96.046156	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-151n42w9-b	10/1/2014	875.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 875.4)	N/A	12.0	0.01	--	--	0.01	151	42	9	NWNE	47.917910	-96.042231		
Red Lake	Clearwater River	09020305	3	w-151n42w9-c	10/1/2014	875.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 875.4)	N/A	17.5	0.01	--	--	0.01	151	42	9	NWNE	47.917821	-96.041904		
Red Lake	Clearwater River	09020305	3	w-151n42w9-e	10/1/2014	875.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 875.4)	N/A	14.4	0.02	--	--	0.02	151	42	9	NWNE	47.917832	-96.040709		
Red Lake	Clearwater River	09020305	3	w-151n42w9-d	10/1/2014	875.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	HDD (Clearwater River MP 875.4)	N/A	30.2	0.02	--	--	0.02	151	42	9	NWNE	47.917554	-96.040928		
Red Lake	Clearwater River	09020305	3	w-151n42w9-j	10/3/2014	876.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.06	--	--	0.06	151	42	9	SENE	47.916287	-96.035716		
Red Lake	Clearwater River	09020305	3	w-151n42w9-i	10/2/2014	876.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.17	--	--	0.17	151	42	9	SENE	47.915328	-96.032347		
Red Lake	Clearwater River	09020305	3	w-151n42w9-g	10/3/2014	876.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore	N/A	3,139.9	7.40	--	--	7.40	151	42	9, 10	NESE, NWSW, SENE, SESW, SWNE, SWNW, SWSW	47.910255	-96.028862		
Red Lake	Clearwater River	09020305	3	w-151n42w9-g	10/3/2014	876.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	151.6	0.18	--	--	0.18	151	42	9, 10	NESE, NWSW, SENE, SESW, SWNE, SWNW, SWSW	47.910255	-96.028862		
Red Lake	Clearwater River	09020305	3	w-151n42w9-g	10/3/2014	876.5	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.04	--	--	0.04	151	42	9, 10	NESE, NWSW, SENE, SESW, SWNE, SWNW, SWSW	47.910255	-96.028862		
Red Lake	Clearwater River	09020305	3	w-151n42w9-g	10/3/2014	876.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	993.1	2.15	1.22	--	3.37	151	42	9, 10	NESE, NWSW, SENE, SESW, SWNE, SWNW, SWSW	47.910255	-96.028862		
Red Lake	Clearwater River	09020305	3	w-151n42w15-n	10/1/2014	876.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	14.2	0.03	--	0.04	0.07	151	42	15	NENW	47.905491	-96.024050		
Red Lake	Clearwater River	09020305	3	w-151n42w15-y	10/2/2014	877.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	151	42	15	NWNE	47.903035	-96.020447		
Red Lake	Clearwater River	09020305	3	w-151n42w15-ii	10/8/2014	877.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	19.7	0.04	--	--	0.04	151	42	14, 15	SENE, SWNW	47.899111	-96.010170		
Red Lake	Clearwater River	09020305	3	w-151n42w14-d	10/8/2014	878.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	17.8	0.04	--	--	0.04	151	42	14	SWSE	47.891256	-95.997836		
Red Lake	Clearwater River	09020305	3	w-151n42w23-a	10/8/2014	878.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	20.8	0.05	--	--	0.05	151	42	23	NWNE	47.891092	-95.997580		
Red Lake	Clearwater River	09020305	3	w-151n42w23-c	10/8/2014	878.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	54.1	0.35	--	--	0.35	151	42	23	NWNE	47.890534	-95.996817		
Red Lake	Clearwater River	09020305	3	w-151n42w23-b	10/8/2014	878.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	980.2	2.14	--	--	2.14	151	42	23	NENE, NWNE	47.889198	-95.994514		
Red Lake	Clearwater River	09020305	3	w-151n42w23-b	10/8/2014	878.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	151	42	23	NENE, NWNE	47.889198	-95.994514		
Red Lake	Clearwater River	09020305	3	w-151n42w23-b	10/8/2014	878.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	151	42	23	NENE, NWNE	47.889198	-95.994514	Forested Seasonal Ponds	
Red Lake	Clearwater River	09020305	3	w-151n42w24-a	10/10/2014	879.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.4	0.03	--	--	0.03	151	42	24	SWNW	47.885596	-95.988355		
Red Lake	Clearwater River	09020305	3	w-151n42w24-b	10/10/2014	879.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	10.1	0.02	--	--	0.02	151	42	24	SWNW	47.885529	-95.988134		
Red Lake	Clearwater River	09020305	3	w-151n42w24-f	10/11/2014	879.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	11.7	0.02	--	--	0.02	151	42	24	SWNW	47.884751	-95.985489		
Red Lake	Clearwater River	09020305	3	w-151n42w24-i	10/11/2014	879.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	979.1	2.04	--	--	2.04	151	42	24	NESW	47.883032	-95.980261		
Red Lake	Clearwater River	09020305	3	w-151n42w24-i	10/11/2014	879.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	151	42	24	NESW	47.883032	-95.980261		
Red Lake	Clearwater River	09020305	3	w-151n42w24-j	10/14/2014	879.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	300.2	0.68	--	--	0.68	151	42	24	NESW, NWSE	47.882002	-95.977235		
Red Lake	Clearwater River	09020305	3	w-151n42w24-n	10/14/2014	879.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	22.4	0.04	--	--	0.04	151	42	24	NWSE	47.881734	-95.976155		
Red Lake	Clearwater River	09020305	3	w-151n42w24-o	10/14/2014	879.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	258.9	0.47	--	--	0.47	151	42	24	NESE, NWSE	47.880582	-95.972503		
Red Lake	Clearwater River	09020305	3	w-151n42w24-o	10/14/2014	879.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	151	42	24	NESE, NWSE	47.880582	-95.972503		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Red Lake	Clearwater River	09020305	3	w-151n41w19-a	10/15/2014	880.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	21.7	0.05	--	--	0.05	151	41	19	SWSW	47.878536	-95.966496		
Red Lake	Clearwater River	09020305	3	w-151n41w19-d	10/16/2014	880.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.12	--	--	0.12	151	41	19	SWSW	47.877872	-95.964061		
Red Lake	Clearwater River	09020305	3	w-151n41w19-f	10/16/2014	880.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.09	--	--	0.09	151	41	19	SESW, SWSW	47.877218	-95.961973		
Red Lake	Clearwater River	09020305	3	w-151n41w19-b	10/15/2014	880.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	15.4	0.05	--	--	0.05	151	41	19	SESW, SWSW	47.876858	-95.961312		
Red Lake	Clearwater River	09020305	3	w-151n41w29-a	10/17/2014	881.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	8.0	0.02	--	--	0.02	151	41	29	SWNW	47.871731	-95.945508		
Red Lake	Clearwater River	09020305	3	w-151n41w29-c	10/17/2014	881.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	10.7	0.01	--	--	0.01	151	41	29	SWNW	47.871595	-95.945264		
Red Lake	Clearwater River	09020305	3	w-151n41w28-b	10/16/2014	882.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	272.4	0.65	--	--	0.65	151	41	28	SWSW	47.864306	-95.922275		
Red Lake	Clearwater River	09020305	3	w-151n41w34-f	10/14/2014	883.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	11.7	0.02	--	--	0.02	151	41	34	SWNW	47.857742	-95.901916		
Red Lake	Clearwater River	09020305	3	w-151n41w34-e	10/14/2014	883.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	270.3	0.75	--	--	0.75	151	41	34	SWNW	47.856215	-95.897273		
Red Lake	Clearwater River	09020305	3	w-151n41w34-d	10/14/2014	884.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	229.6	0.41	--	--	0.41	151	41	34	NESW, SENW	47.855176	-95.893187		
Red Lake	Clearwater River	09020305	3	w-151n41w34-d	10/14/2014	884.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.17	0.00	--	0.17	151	41	34	NESW, SENW	47.855176	-95.893187		
Red Lake	Clearwater River	09020305	3	w-151n41w34-d	10/14/2014	884.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	151	41	34	NESW, SENW	47.855176	-95.893187		
Red Lake	Clearwater River	09020305	3	w-151n41w34-c	10/14/2014	884.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	74.2	0.21	--	--	0.21	151	41	34	NWSE	47.853774	-95.889769		
Red Lake	Clearwater River	09020305	3	w-151n41w34-b	10/14/2014	884.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.02	--	--	0.02	151	41	34	NWSE	47.853035	-95.887797		
Red Lake	Clearwater River	09020305	3	w-151n41w34-a	10/14/2014	884.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	21.6	0.31	--	--	0.31	151	41	34	NWSE	47.852689	-95.886407		
Red Lake	Clearwater River	09020305	3	w-151n41w35-b	10/14/2014	884.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	562.5	0.90	--	--	0.90	151	41	35	SWSW	47.849814	-95.877539		
Red Lake	Clearwater River	09020305	3	w-151n41w35-a	10/13/2014	885.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	16.0	0.03	--	--	0.03	151	41	35	SESW	47.848125	-95.872356		
Red Lake	Clearwater River	09020305	3	w-150n41w2-c	10/13/2014	885.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	17.7	0.04	--	--	0.04	150	41	2	NENW	47.847974	-95.871894		
Red Lake	Clearwater River	09020305	3	w-150n41w2-b	10/13/2014	885.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	24.7	0.10	--	--	0.10	150	41	2	NENE	47.845977	-95.861510	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w2-b	10/13/2014	885.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.2	0.03	--	--	0.03	150	41	2	NENE	47.845977	-95.861510	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w2-a	10/13/2014	885.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	18.7	0.04	--	--	0.04	150	41	2	NENE	47.845660	-95.858817	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w1-c	10/2/2014	885.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	15.4	0.05	--	--	0.05	150	41	1	NWNW	47.845139	-95.855553	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w1-f	10/2/2014	886.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	150	41	1	SWNW	47.844231	-95.853218	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w1-h	9/7/2019	886.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	202.1	0.53	--	--	0.53	150	41	1	SENW	47.842981	-95.851061	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w1-h	9/7/2019	886.1	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	--	N/A	--	0.03	--	--	0.03	150	41	1	SENW	47.842981	-95.851061	Wetlands Hydrologically Connected to Wild Rice Waters	
Red Lake	Clearwater River	09020305	3	w-150n41w1-h	9/7/2019	886.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	150	41	1	SENW	47.842981	-95.851061	Wetlands Hydrologically Connected to Wild Rice Waters	
Polk	Clearwater River	09020305	3	w-150n40w8-a	10/3/2014	889.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	26.1	0.10	--	--	0.10	150	40	8	NESE	47.823207	-95.796454		
Polk	Clearwater River	09020305	3	w-150n40w16-b	10/3/2014	890.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	163.1	0.28	--	--	0.28	150	40	16	NENE	47.815947	-95.774208		
Polk	Clearwater River	09020305	3	w-150n40w23-b	10/4/2014	891.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	150	40	14, 23	NWNE, SESW, SWSE	47.804700	-95.740109		
Polk	Clearwater River	09020305	3	w-150n40w23-b	10/4/2014	891.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,168.3	2.45	--	--	2.45	150	40	14, 23	NWNE, SESW, SWSE	47.804700	-95.740109		
Polk	Clearwater River	09020305	3	w-150n40w23-b	10/4/2014	891.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	150	40	14, 23	NWNE, SESW, SWSE	47.804700	-95.740109		
Polk	Clearwater River	09020305	3	w-150n40w23-a	10/4/2014	892.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	235.8	0.54	--	--	0.54	150	40	23	NENE	47.802974	-95.734873		
Polk	Clearwater River	09020305	3	w-150n40w23-a	10/4/2014	892.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	150	40	23	NENE	47.802974	-95.734873		
Polk	Clearwater River	09020305	3	w-150n40w24-a	10/3/2014	892.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	17.8	0.04	--	--	0.04	150	40	24	NWNW	47.801760	-95.730410		
Polk	Clearwater River	09020305	3	w-150n40w24-c	10/3/2014	892.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.11	--	--	0.11	150	40	24	NWNW	47.802298	-95.725516		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Polk	Clearwater River	09020305	3	w-150n40w24-e	10/6/2014	892.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	86.8	0.18	0.09	--	0.27	150	40	24	NWNE	47.803571	-95.718036		
Polk	Clearwater River	09020305	3	w-150n40w24-g	10/6/2014	893.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.3	0.11	--	--	0.11	150	40	24	NWNE	47.803992	-95.715543		
Polk	Clearwater River	09020305	3	w-150n40w24-h	10/6/2014	893.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	852.8	1.83	--	--	1.83	150	40	24	NENE	47.803925	-95.712390		
Polk	Clearwater River	09020305	3	w-150n39w19-a	10/4/2014	893.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.2	0.03	--	--	0.03	150	39	19	NWNW	47.803870	-95.708993		
Polk	Clearwater River	09020305	3	w-150n39w19-b	10/6/2014	893.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	Calcareous Fen (Gully 30)	6,156.8	13.35	--	--	13.35	150	39	19, 30	NESW, NWNE, NWNW, NWSW, SESW, SWNW, SWSE	47.794063	-95.699938	Wetlands with Known Occurrences of MDNR State-Listed Species	
Polk	Clearwater River	09020305	3	w-150n39w19-b	10/6/2014	893.9	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,051.4	2.28	--	--	2.28	150	39	19, 30	NESW, NWNE, NWNW, NWSW, SESW, SWNW, SWSE	47.794063	-95.699938	Wetlands with Known Occurrences of MDNR State-Listed Species	
Polk	Clearwater River	09020305	3	w-150n39w19-b	10/6/2014	893.9	3D - Calcareous Fen	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	29.3	0.06	--	--	0.06	150	39	19, 30	NESW, NWNE, NWNW, NWSW, SESW, SWNW, SWSE	47.794063	-95.699938	Wetlands with Known Occurrences of MDNR State-Listed Species	
Polk	Clearwater River	09020305	3	w-150n39w30-a	10/10/2014	894.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,571.9	4.18	--	--	4.18	150	39	30	SENE, SWNE	47.784500	-95.690385		
Polk	Clearwater River	09020305	3	w-150n39w30-a	10/10/2014	894.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	13.9	0.03	--	--	0.03	150	39	30	SENE, SWNE	47.784500	-95.690385		
Polk	Clearwater River	09020305	3	w-150n39w30-a	10/10/2014	894.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	150	39	30	SENE, SWNE	47.784500	-95.690385		
Polk	Clearwater River	09020305	3	w-150n39w29-a	10/10/2014	895.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	2,940.7	6.13	--	--	6.13	150	39	29	NESW, NWSE, NWSW, SWNW, SWSE	47.781821	-95.681081		
Polk	Clearwater River	09020305	3	w-150n39w29-a	10/10/2014	895.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	879.1	1.83	--	--	1.83	150	39	29	NESW, NWSE, NWSW, SWNW, SWSE	47.781821	-95.681081	Wetlands with S1, S2, or S3 Native Plant Communities	
Polk	Clearwater River	09020305	3	w-150n39w29-a	10/10/2014	895.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	45.7	0.10	--	--	0.10	150	39	29	NESW, NWSE, NWSW, SWNW, SWSE	47.781821	-95.681081		
Polk	Clearwater River	09020305	3	w-150n39w29-a	10/10/2014	895.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.16	--	--	0.16	150	39	29	NESW, NWSE, NWSW, SWNW, SWSE	47.781821	-95.681081		
Polk	Clearwater River	09020305	3	w-150n39w29-a	10/10/2014	895.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.11	--	--	0.11	150	39	29	NESW, NWSE, NWSW, SWNW, SWSE	47.781821	-95.681081		
Polk	Clearwater River	09020305	3	w-150n39w29-a	10/10/2014	895.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	150	39	29	NESW, NWSE, NWSW, SWNW, SWSE	47.781821	-95.681081	Wetlands with S1, S2, or S3 Native Plant Communities	
Polk	Clearwater River	09020305	3	w-150n39w34-a	10/11/2014	897.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	48.0	0.12	--	--	0.12	150	39	34	SESE, SWSE	47.762750	-95.628335		
Polk	Clearwater River	09020305	3	w-150n39w34-a	10/11/2014	897.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	150	39	34	SESE, SWSE	47.762750	-95.628335		
Polk	Clearwater River	09020305	3	w-150n39w34-a	10/11/2014	897.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	150	39	34	SESE, SWSE	47.762750	-95.628335	Forested Seasonal Ponds	
Polk	Clearwater River	09020305	3	w-149n39w2-a	10/10/2014	898.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	149	39	2	NENW, SENW	47.757077	-95.613452		
Polk	Clearwater River	09020305	3	w-149n39w2-e	10/11/2014	899.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	75.3	0.17	--	--	0.17	149	39	2	SENE	47.753840	-95.602895		
Polk	Clearwater River	09020305	3	w-149n39w1-a	10/11/2014	899.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	144.2	0.18	--	--	0.18	149	39	1	NWSW	47.752819	-95.599927		
Polk	Clearwater River	09020305	3	w-149n39w1-a	10/11/2014	899.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.06	--	--	0.06	149	39	1	NWSW	47.752819	-95.599927		
Polk	Clearwater River	09020305	3	w-149n39w1-a	10/11/2014	899.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.06	0.03	--	0.08	149	39	1	NWSW	47.752819	-95.599927		
Polk	Clearwater River	09020305	3	w-149n39w1-c	10/13/2014	899.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	261.6	0.83	--	--	0.83	149	39	1	NESW, NWSE, SESW, SWSE	47.750006	-95.591217		
Polk	Clearwater River	09020305	3	w-149n39w1-c	10/13/2014	899.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	447.6	0.84	--	--	0.84	149	39	1	NESW, NWSE, SESW, SWSE	47.750006	-95.591217		
Polk	Clearwater River	09020305	3	w-149n39w1-d	10/13/2014	900.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	19.2	0.07	--	--	0.07	149	39	1	SWSE	47.748504	-95.586494		
Polk	Clearwater River	09020305	3	w-149n39w1-e	10/13/2014	900.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	60.1	0.19	--	--	0.19	149	39	1	SESE, SWSE	47.747768	-95.584360		
Clearwater	Clearwater River	09020305	3	w-149n38w6-a	10/13/2014	900.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	37.9	0.09	--	--	0.09	149	38	6, 7	NWNW, SWSW	47.746060	-95.578717		
Clearwater	Clearwater River	09020305	3	w-149n39w1-g	10/13/2014	900.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	6.8	0.02	--	--	0.02	149	38	6	SWSW	47.746260	-95.579468		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Polk	Clearwater River	09020305	3	w-149n39w1-g	10/13/2014	900.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	9.5	0.02	--	--	0.02	149	38	6	SWSW	47.746260	-95.579468		
Clearwater	Clearwater River	09020305	3	w-149n38w7-a	10/14/2014	900.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	63.2	0.15	--	--	0.15	149	38	7	NWNW	47.745736	-95.577895		
Clearwater	Clearwater River	09020305	3	w-149n38w7-b	10/14/2014	900.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	287.1	0.65	--	--	0.65	149	38	7	NENW	47.744173	-95.573026		
Clearwater	Clearwater River	09020305	3	w-149n38w7-b	10/14/2014	900.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	21.5	0.05	--	--	0.05	149	38	7	NENW	47.744173	-95.573026		
Clearwater	Clearwater River	09020305	3	w-149n38w7-e	10/14/2014	901.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	195.2	0.38	--	--	0.38	149	38	7	SENE	47.741207	-95.563790		
Clearwater	Clearwater River	09020305	3	w-149n38w7-f	10/15/2014	901.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	205.2	0.37	--	--	0.37	149	38	7	SENE	47.740557	-95.561681		
Clearwater	Clearwater River	09020305	3	w-149n38w7-g	10/15/2014	901.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	79.9	0.16	--	--	0.16	149	38	7	SENE	47.740208	-95.560630		
Clearwater	Clearwater River	09020305	3	w-149n38w8-a	10/15/2014	901.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	167.2	0.37	--	--	0.37	149	38	8	SWNW	47.739374	-95.558354		
Clearwater	Clearwater River	09020305	3	w-149n38w8-a	10/15/2014	901.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	--	--	0.04	149	38	8	SWNW	47.739374	-95.558354		
Clearwater	Clearwater River	09020305	3	w-149n38w8-a	10/15/2014	901.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	149	38	8	SWNW	47.739374	-95.558354		
Clearwater	Clearwater River	09020305	3	w-149n38w8-a	10/15/2014	901.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	149	38	8	SWNW	47.739374	-95.558354	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-149n38w8-b	10/15/2014	901.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	10.9	0.06	--	--	0.06	149	38	8	NWSW	47.738637	-95.555761		
Clearwater	Clearwater River	09020305	3	w-149n38w8-d	10/16/2014	902.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	57.4	0.12	--	--	0.12	149	38	8	SESE	47.734387	-95.542817		
Clearwater	Clearwater River	09020305	3	w-149n38w16-a	7/9/2015	902.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	18.4	0.04	--	--	0.04	149	38	9, 16	NWNW, SWSW	47.731530	-95.535722		
Clearwater	Clearwater River	09020305	3	w-149n38w16-c	10/10/2014	903.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	38.0	0.08	--	--	0.08	149	38	16	NENW	47.729898	-95.531871		
Clearwater	Clearwater River	09020305	3	w-149n38w16-e	10/11/2014	903.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	133.4	0.26	--	--	0.26	149	38	16	NENW	47.728559	-95.528706		
Clearwater	Clearwater River	09020305	3	w-149n38w16-e	10/11/2014	903.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	149	38	16	NENW	47.728559	-95.528706		
Clearwater	Clearwater River	09020305	3	w-149n38w16-f	10/11/2014	903.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	35.0	0.08	--	--	0.08	149	38	16	SWNE	47.727750	-95.526742		
Clearwater	Clearwater River	09020305	3	w-149n38w16-f	10/11/2014	903.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	149	38	16	SWNE	47.727750	-95.526742		
Clearwater	Clearwater River	09020305	3	w-149n38w16-g	10/13/2014	903.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	33.4	0.08	--	--	0.08	149	38	16	SENE	47.725623	-95.521562	Wetlands with Known Occurrences of MDNR State-Listed Species	
Clearwater	Clearwater River	09020305	3	w-149n38w16-g	10/13/2014	903.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	149	38	16	SENE	47.725623	-95.521562	Wetlands with Known Occurrences of MDNR State-Listed Species	
Clearwater	Clearwater River	09020305	3	w-149n38w16-h	10/13/2014	903.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	104.1	0.20	--	--	0.20	149	38	16	NESE	47.724037	-95.517559		
Clearwater	Clearwater River	09020305	3	w-149n38w15-b	10/14/2014	904.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	383.8	0.72	--	--	0.72	149	38	15	NWSW	47.721977	-95.513560		
Clearwater	Clearwater River	09020305	3	w-149n38w15-d	10/14/2014	904.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	124.6	0.25	--	--	0.25	149	38	15	SESW	47.719542	-95.506678		
Clearwater	Clearwater River	09020305	3	w-149n38w15-e	10/16/2014	904.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	23.2	0.07	--	--	0.07	149	38	15	SWSE	47.717824	-95.502529		
Clearwater	Clearwater River	09020305	3	w-149n38w22-b	10/16/2014	904.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	149	38	22	NWNE	47.717124	-95.501186		
Clearwater	Clearwater River	09020305	3	w-149n38w22-a	10/16/2014	904.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	20.4	0.04	0.03	--	0.07	149	38	15, 22	NWNE, SWSE	47.717272	-95.501282		
Clearwater	Clearwater River	09020305	3	w-149n38w22-c	10/16/2014	904.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	149	38	22	NENE	47.717127	-95.500591		
Clearwater	Clearwater River	09020305	3	w-149n38w22-d	10/16/2014	904.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	149	38	22	NENE	47.716718	-95.500240		
Clearwater	Clearwater River	09020305	3	w-149n38w22-e	10/18/2014	904.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	276.5	0.61	--	--	0.61	149	38	22	NENE	47.715817	-95.497703		
Clearwater	Clearwater River	09020305	3	CL013_200l1W	6/7/2014	905.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	80.5	0.31	--	--	0.31	149	38	23	NWNW, SWNW	47.713672	-95.492410		
Clearwater	Clearwater River	09020305	3	CL013_200l1W	6/7/2014	905.1	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PUB	Open Cut	N/A	65.4	0.05	--	--	0.05	149	38	23	NWNW, SWNW	47.713672	-95.492410		
Clearwater	Clearwater River	09020305	3	CL013_200d1W	6/4/2014	905.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	327.7	0.72	--	--	0.72	149	38	23	SENW	47.710990	-95.486130		
Clearwater	Clearwater River	09020305	3	CL013_200d1W	6/4/2014	905.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	179.7	0.22	0.13	--	0.35	149	38	23	SENW	47.710990	-95.486130		
Clearwater	Clearwater River	09020305	3	w-149n38w23-b	10/17/2014	905.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	149	38	23	NWSE	47.709476	-95.481950		
Clearwater	Clearwater River	09020305	3	w-149n38w23-c	10/17/2014	905.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	168.5	0.34	--	--	0.34	149	38	23	NWSE	47.708620	-95.480403		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Clearwater River	09020305	3	w-149n38w23-c	10/17/2014	905.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.08	--	--	0.08	149	38	23	NWSE	47.708620	-95.480403		
Clearwater	Clearwater River	09020305	3	w-149n38w23-a	10/16/2014	905.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	103.8	0.22	--	--	0.22	149	38	23	NESE	47.707622	-95.477861		
Clearwater	Clearwater River	09020305	3	w-149n38w23-a	10/16/2014	905.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	149	38	23	NESE	47.707622	-95.477861	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CL016a1W	7/1/2016	906.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	573.1	0.94	--	--	0.94	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.704847	-95.472714		
Clearwater	Clearwater River	09020305	3	CL016a1W	7/1/2016	906.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	2,500.9	4.73	--	--	4.73	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.704847	-95.472714		
Clearwater	Clearwater River	09020305	3	CL016a1W	7/1/2016	906.2	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	463.6	1.43	--	--	1.43	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.704847	-95.472714		
Clearwater	Clearwater River	09020305	3	CL016a1W	7/1/2016	906.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.27	0.01	--	0.27	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.704847	-95.472714		
Clearwater	Clearwater River	09020305	3	CL016a1W	7/1/2016	906.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.36	0.00	--	0.36	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.704847	-95.472714		
Clearwater	Clearwater River	09020305	3	CL018a1W	10/16/2014	907.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	11.3	0.07	--	--	0.07	149	38	25	SENE	47.698864	-95.456427		
Clearwater	Clearwater River	09020305	3	CL019b1W	10/15/2014	907.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.02	--	--	0.02	149	37	30	NESW, NWSW, SWNW	47.695171	-95.448213		
Clearwater	Clearwater River	09020305	3	CL019b1W	10/15/2014	907.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	236.0	0.95	--	--	0.95	149	37	30	NESW, NWSW, SWNW	47.695171	-95.448213		
Clearwater	Clearwater River	09020305	3	w-149n37w29-b	6/2/2015	908.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	6.9	0.01	--	--	0.01	149	37	29	SWSW	47.689500	-95.430748		
Clearwater	Clearwater River	09020305	3	CL024_200a1W	8/7/2018	909.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	0.37	0.37	149	37	28, 29	NESE, NWSW	47.692472	-95.409256		
Clearwater	Clearwater River	09020305	3	w-149n37w29-c	8/7/2018	909.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	1.46	1.46	149	37	29	NESE	47.692611	-95.410010		
Clearwater	Clearwater River	09020305	3	w-149n37w29-cc	8/7/2018	909.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	0.02	0.02	149	37	28, 29	NESE, NWSW	47.691748	-95.409346		
Clearwater	Clearwater River	09020305	3	w-149n37w29-dd	8/7/2018	909.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.01	0.01	149	37	28, 29	NESE, NWSW	47.691953	-95.409265		
Clearwater	Clearwater River	09020305	3	CL024_200b1W	10/7/2014	909.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	0.22	0.26	149	37	29	NESE	47.693065	-95.412456		
Clearwater	Clearwater River	09020305	3	CL024_200b1W	10/7/2014	909.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	0.00	--	0.01	149	37	29	NESE	47.693065	-95.412456		
Clearwater	Clearwater River	09020305	3	w-149n37w29-a	8/7/2018	909.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,428.6	2.19	--	0.53	2.71	149	37	29	NESE, NWSE, SESW, SWSE	47.690416	-95.417233		
Clearwater	Clearwater River	09020305	3	w-149n37w29-a	8/7/2018	909.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	1,152.0	1.81	--	--	1.81	149	37	29	NESE, NWSE, SESW, SWSE	47.690416	-95.417233		
Clearwater	Clearwater River	09020305	3	w-149n37w29-a	8/7/2018	909.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	11.6	0.14	0.03	--	0.16	149	37	29	NESE, NWSE, SESW, SWSE	47.690416	-95.417233		
Clearwater	Clearwater River	09020305	3	w-149n37w29-a	8/7/2018	909.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	523.2	0.26	0.17	--	0.43	149	37	29	NESE, NWSE, SESW, SWSE	47.690416	-95.417233		
Clearwater	Clearwater River	09020305	3	w-149n37w29-a	8/7/2018	909.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	149	37	29	NESE, NWSE, SESW, SWSE	47.690416	-95.417233	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CL021a1W	10/6/2014	910.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	20.3	0.05	--	--	0.05	149	37	29	SWSW	47.688354	-95.427829		
Clearwater	Clearwater River	09020305	3	w-149n37w32-f	10/13/2015	910.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	277.1	0.65	--	--	0.65	149	37	32	NWNW	47.687406	-95.427792		
Clearwater	Clearwater River	09020305	3	CL021_300b1W	10/13/2015	910.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	161.9	0.35	--	--	0.35	149	37	32	SENW, SWNW	47.681755	-95.426024		
Clearwater	Clearwater River	09020305	3	CL021_310a1W	9/5/2013	911.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.11	--	--	0.11	149	37	32	SENW	47.681096	-95.421230		
Clearwater	Clearwater River	09020305	3	CL021_310a1W	9/5/2013	911.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	31.0	0.02	0.03	--	0.05	149	37	32	SENW	47.681096	-95.421230		
Clearwater	Clearwater River	09020305	3	CL021_310c1W	9/5/2013	911.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	883.4	0.90	1.02	--	1.92	149	37	32	SENE, SWNE	47.681135	-95.413535		
Clearwater	Clearwater River	09020305	3	CLC5020_300a1W	5/23/2014	911.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	27.3	0.06	--	--	0.06	149	37	32	NESE	47.678658	-95.411192		
Clearwater	Clearwater River	09020305	3	CLC5020_300a1W	5/23/2014	911.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	61.1	0.07	0.05	--	0.12	149	37	32	NESE	47.678658	-95.411192		
Clearwater	Clearwater River	09020305	3	CLC5020_300d1W	5/23/2014	911.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.00	--	0.00	149	37	32	NESE	47.679474	-95.411334	Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Clearwater River	09020305	3	CLC5020_300b1W	9/6/2013	911.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	149	37	32	NESE	47.677458	-95.411154		
Clearwater	Clearwater River	09020305	3	CLC5020_310a1W	10/15/2015	911.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.05	--	--	0.05	149	37	32	SESE	47.675700	-95.410698		
Clearwater	Clearwater River	09020305	3	CLC5020_310a1W	10/15/2015	911.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	116.2	0.23	0.15	--	0.38	149	37	32	SESE	47.675700	-95.410698		
Clearwater	Clearwater River	09020305	3	CLC5020_310a1W	10/15/2015	911.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	322.2	0.21	0.30	--	0.51	149	37	32	SESE	47.675700	-95.410698		
Clearwater	Clearwater River	09020305	3	CLC5020_310a1W	10/15/2015	911.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	149	37	32	SESE	47.675700	-95.410698	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5020_310c1W	9/6/2013	912.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	32.5	0.05	--	--	0.05	149	37	32	SESE	47.673858	-95.410403		
Clearwater	Clearwater River	09020305	3	CLC5020_310c1W	9/6/2013	912.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / Bore Pit	N/A	18.8	0.04	0.03	--	0.08	149	37	32	SESE	47.673858	-95.410403		
Clearwater	Clearwater River	09020305	3	CLC5020_310c1W	9/6/2013	912.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.00	--	0.04	149	37	32	SESE	47.673858	-95.410403	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5004o1W	9/6/2013	912.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	106.6	0.22	--	--	0.22	148, 149	37	6, 32	NENE, NWNE, SESE	47.672898	-95.410246		
Clearwater	Clearwater River	09020305	3	CLC5004o1W	9/6/2013	912.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut / Bore Pit	Public Water Inventory (Public Water Wetland - Unnamed)	181.0	0.58	0.18	--	0.76	148, 149	37	6, 32	NENE, NWNE, SESE	47.672898	-95.410246		
Clearwater	Clearwater River	09020305	3	CLC5004o1W	9/6/2013	912.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	292.3	0.23	0.28	--	0.51	148, 149	37	6, 32	NENE, NWNE, SESE	47.672898	-95.410246		
Clearwater	Clearwater River	09020305	3	CLC5004s1W	9/7/2013	912.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	148	37	6	SENE	47.669561	-95.409945		
Clearwater	Clearwater River	09020305	3	CLC5004k1W	9/7/2013	912.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	148	37	6	SENE	47.668409	-95.409377		
Clearwater	Clearwater River	09020305	3	CLC5004k1W	9/7/2013	912.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	270.0	0.08	0.29	--	0.37	148	37	6	SENE	47.668409	-95.409377		
Clearwater	Clearwater River	09020305	3	CLC5004m1W	6/27/2013	912.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	--	--	0.07	148	37	6	SENE	47.667444	-95.408767		
Clearwater	Clearwater River	09020305	3	CLC5004n1W	6/27/2013	912.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	148	37	6	SENE	47.667093	-95.408607		
Clearwater	Clearwater River	09020305	3	CLC5005a1W	6/27/2013	912.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	148	37	6	NESE	47.666298	-95.407997		
Clearwater	Clearwater River	09020305	3	CLC5005a1W	6/27/2013	912.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	119.0	0.16	0.14	--	0.30	148	37	6	NESE	47.666298	-95.407997		
Clearwater	Clearwater River	09020305	3	CLC5005b1W	6/28/2013	912.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	148	37	6	NESE	47.665718	-95.407572		
Clearwater	Clearwater River	09020305	3	CLC5005c1W	6/28/2013	912.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	58.3	0.06	--	--	0.06	148	37	6	NESE	47.664731	-95.407243		
Clearwater	Clearwater River	09020305	3	CLC5005d1W	7/8/2015	912.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	411.6	0.54	0.48	--	1.02	148	37	6	NESE, SESE	47.663418	-95.407596		
Clearwater	Clearwater River	09020305	3	CLC5006a1W	6/28/2013	913.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	36.0	0.11	--	--	0.11	148	37	6	SESE	47.660252	-95.407005		
Clearwater	Clearwater River	09020305	3	CLC5006a1W	6/28/2013	913.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	196.6	0.11	0.16	--	0.27	148	37	6	SESE	47.660252	-95.407005		
Clearwater	Clearwater River	09020305	3	CLC5006a1W	6/28/2013	913.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	31.6	0.08	0.05	--	0.13	148	37	6	SESE	47.660252	-95.407005	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5007a1W	6/28/2013	913.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	105.7	0.50	--	--	0.50	148	37	7	NENE	47.659172	-95.406817		
Clearwater	Clearwater River	09020305	3	CLC5007c1W	6/28/2013	913.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	412.7	0.42	0.47	--	0.89	148	37	7	NENE, SENE	47.656344	-95.406338		
Clearwater	Clearwater River	09020305	3	CLC5007e1W	5/22/2014	913.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	78.4	0.01	0.08	--	0.09	148	37	7	SENE	47.654694	-95.406105		
Clearwater	Clearwater River	09020305	3	CLC5008e1W	6/29/2013	913.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	24.0	0.08	--	--	0.08	148	37	8	SWNW	47.654048	-95.405194		
Clearwater	Clearwater River	09020305	3	CLC5008f1W	6/29/2013	913.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	34.6	0.04	--	--	0.04	148	37	8	SWNW	47.653681	-95.405071		
Clearwater	Clearwater River	09020305	3	CLC5009b1W	6/29/2013	913.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,647.1	2.25	--	--	2.25	148	37	8	NWSW, SWSW	47.648499	-95.404314		
Clearwater	Clearwater River	09020305	3	CLC5009b1W	6/29/2013	913.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.75	0.14	--	0.89	148	37	8	NWSW, SWSW	47.648499	-95.404314		
Clearwater	Clearwater River	09020305	3	CLC5009b1W	6/29/2013	913.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.54	0.11	--	0.65	148	37	8	NWSW, SWSW	47.648499	-95.404314		
Clearwater	Clearwater River	09020305	3	CLC5011a1W	7/8/2013	914.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	323.5	0.86	--	--	0.86	148	37	17	NWNW	47.644598	-95.403659		
Clearwater	Clearwater River	09020305	3	CLC5012b1W	5/23/2014	914.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	887.6	1.56	--	--	1.56	148	37	17	NESW, NWSW, SWNW	47.638069	-95.400918		
Clearwater	Clearwater River	09020305	3	CLC5012b1W	5/23/2014	914.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	36.8	0.14	--	--	0.14	148	37	17	NESW, NWSW, SWNW	47.638069	-95.400918		



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Clearwater River	09020305	3	CLC5012b1W	5/23/2014	914.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	42.4	0.44	0.08	--	0.52	148	37	17	NESW, NWSW, SWNW	47.638069	-95.400918		
Clearwater	Clearwater River	09020305	3	CLC5012b1W	5/23/2014	914.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	--	--	0.07	148	37	17	NESW, NWSW, SWNW	47.638069	-95.400918		
Clearwater	Clearwater River	09020305	3	CLC5012b1W	5/23/2014	914.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	148	37	17	NESW, NWSW, SWNW	47.638069	-95.400918	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5012f1W	7/11/2013	914.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	148	37	17	NWSW	47.635920	-95.400664		
Clearwater	Clearwater River	09020305	3	CLC5012g1W	7/11/2013	914.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	75.8	0.08	--	--	0.08	148	37	17	NESW, NWSW	47.635441	-95.400726		
Clearwater	Clearwater River	09020305	3	CLC5012g1W	7/11/2013	914.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	44.1	0.05	0.05	--	0.11	148	37	17	NESW, NWSW	47.635441	-95.400726		
Clearwater	Clearwater River	09020305	3	CLC5012g1W	7/11/2013	914.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	148	37	17	NESW, NWSW	47.635441	-95.400726	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5013a1W	7/11/2013	914.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	105.8	0.24	--	--	0.24	148	37	17	SESW	47.633924	-95.400214		
Clearwater	Clearwater River	09020305	3	CLC5013b1W	6/20/2017	915.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	273.2	0.62	--	--	0.62	148	37	17, 20	NWNW, SESW, SWSW	47.630971	-95.400635		
Clearwater	Clearwater River	09020305	3	CLC5013b1W	6/20/2017	915.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	307.1	0.71	--	--	0.71	148	37	17, 20	NWNW, SESW, SWSW	47.630971	-95.400635		
Clearwater	Clearwater River	09020305	3	w-148n37w20-a	6/20/2017	915.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	17.5	0.01	0.00	--	0.01	148	37	20	NWNW, SWSW	47.626934	-95.401613		
Clearwater	Clearwater River	09020305	3	w-148n37w20-a	6/20/2017	915.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	17.5	0.01	0.02	--	0.03	148	37	20	NWNW, SWSW	47.626934	-95.401613	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-148n37w20-b	6/20/2017	915.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	58.0	0.02	0.06	--	0.08	148	37	20	NWNW, SWSW	47.625095	-95.401994		
Clearwater	Clearwater River	09020305	3	w-148n37w20-b	6/20/2017	915.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	148	37	20	NWNW, SWSW	47.625095	-95.401994	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5015c1W	6/20/2017	915.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	127.4	0.20	--	--	0.20	148	37	20	NESW, NWNW, SENW, SWNW	47.625224	-95.399728		
Clearwater	Clearwater River	09020305	3	CLC5015c1W	6/20/2017	915.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	21.9	0.05	--	--	0.05	148	37	20	NESW, NWNW, SENW, SWNW	47.625224	-95.399728		
Clearwater	Clearwater River	09020305	3	CLC5015c1W	6/20/2017	915.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,143.6	1.40	1.31	--	2.70	148	37	20	NESW, NWNW, SENW, SWNW	47.625224	-95.399728		
Clearwater	Clearwater River	09020305	3	CLC5015c1W	6/20/2017	915.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.01	--	0.06	148	37	20	NESW, NWNW, SENW, SWNW	47.625224	-95.399728	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5015a1W	7/10/2013	916.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	3.3	0.01	0.00	--	0.01	148	37	20	SESW	47.618401	-95.397408		
Clearwater	Clearwater River	09020305	3	CLC5015a1W	7/10/2013	916.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	35.2	0.03	0.03	--	0.06	148	37	20	SESW	47.618401	-95.397408	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5016b1W	7/10/2013	916.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	55.7	0.24	--	--	0.24	148	37	20, 29	NENW, SESW	47.616957	-95.397027		
Clearwater	Clearwater River	09020305	3	CLC5016b1W	7/10/2013	916.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	541.5	1.21	--	--	1.21	148	37	20, 29	NENW, SESW	47.616957	-95.397027		
Clearwater	Clearwater River	09020305	3	CLC5017b1W	7/12/2013	916.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	168.4	0.36	--	--	0.36	148	37	29	SENW	47.610406	-95.396131		
Clearwater	Clearwater River	09020305	3	CLC5017b1W	7/12/2013	916.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	--	--	0.07	148	37	29	SENW	47.610406	-95.396131		
Clearwater	Clearwater River	09020305	3	CLC5017c1W	7/12/2013	916.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	348.1	0.75	--	--	0.75	148	37	29	NESW, NWSE	47.607236	-95.395708		
Clearwater	Clearwater River	09020305	3	CLC5017c1W	7/12/2013	916.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	558.7	1.27	--	--	1.27	148	37	29	NESW, NWSE	47.607236	-95.395708		
Clearwater	Clearwater River	09020305	3	CLC5018c1W	7/13/2013	917.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	148	37	29	SESW	47.604185	-95.395101		
Clearwater	Clearwater River	09020305	3	CLC5018c1W	7/13/2013	917.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	234.7	0.28	0.25	--	0.53	148	37	29	SESW	47.604185	-95.395101		
Clearwater	Clearwater River	09020305	3	CLC5018f1W	7/13/2013	917.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	261.5	0.47	--	--	0.47	148	37	29, 32	NENW, NWNE, SESW, SWSE	47.601799	-95.394785		
Clearwater	Clearwater River	09020305	3	CLC5019a1W	7/15/2013	917.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.23	--	--	0.23	148	37	32	NENW, NWNE	47.599280	-95.394762		
Clearwater	Clearwater River	09020305	3	CLC5019a1W	7/15/2013	917.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	0.02	--	0.11	148	37	32	NENW, NWNE	47.599280	-95.394762		
Clearwater	Clearwater River	09020305	3	CLC5025a1W	7/10/2013	919.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	265.5	0.04	0.23	--	0.26	147	37	5	SWSE	47.575397	-95.392825		
Clearwater	Clearwater River	09020305	3	CLC5025a1W	7/10/2013	919.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	56.9	0.10	0.04	--	0.14	147	37	5	SWSE	47.575397	-95.392825	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5027c1W	5/24/2014	919.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	13.2	--	0.00	--	0.00	147	37	8	SWNE	47.566350	-95.391780		
Clearwater	Clearwater River	09020305	3	CLC5027c1W	5/24/2014	919.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	13.2	0.04	0.03	--	0.07	147	37	8	SWNE	47.566350	-95.391780	Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Clearwater	Clearwater River	09020305	3	CLC5031a1W	9/6/2013	921.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	408.2	0.44	--	--	0.44	147	37	16, 17	SESE, SESW	47.544812	-95.383799		
Clearwater	Clearwater River	09020305	3	CLC5031a1W	9/6/2013	921.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.43	0.05	--	0.47	147	37	16, 17	SESE, SESW	47.544812	-95.383799		
Clearwater	Clearwater River	09020305	3	CLC5031a1W	9/6/2013	921.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	147	37	16, 17	SESE, SESW	47.544812	-95.383799	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	589.7	0.56	--	--	0.56	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,569.5	1.71	--	--	1.71	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.12	0.03	--	0.15	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.10	0.02	--	0.12	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.24	0.07	--	0.31	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.80	0.21	--	1.01	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	0.01	--	0.08	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	26.1	0.13	0.03	--	0.16	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.42	0.13	--	0.55	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.02	--	0.02	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.24	0.02	--	0.27	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5035a1W	9/6/2013	921.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	147	37	21	NWNW, SENW, SWNW	47.538954	-95.379234	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 922.2) / Open Cut / Water / Water Appropriation	N/A	286.4	0.90	--	--	0.90	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 922.2) / Open Cut / Water / Water Appropriation	N/A	537.9	0.40	--	--	0.40	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 922.2) / Open Cut / Water / Water Appropriation	N/A	293.8	0.21	--	--	0.21	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Clearwater River MP 922.2)	N/A	43.3	--	0.03	--	0.03	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Clearwater River MP 922.2)	N/A	22.3	--	0.01	--	0.01	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	147	37	21	NESW, SESW	47.534525	-95.375823	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.00	--	0.04	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater River	09020305	3	CLC5037a1W	10/2/2014	922.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.00	--	0.00	147	37	21	NESW, SESW	47.534525	-95.375823	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5038c1W	9/10/2013	922.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 922.2)	N/A	77.1	0.05	--	--	0.05	147	37	21	SESW	47.531057	-95.373203		
Clearwater	Clearwater River	09020305	3	CLC5038a1W	9/7/2013	922.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Clearwater River MP 922.2)	N/A	322.4	0.22	--	--	0.22	147	37	21	SESW, SWSE	47.530146	-95.372481		
Clearwater	Clearwater River	09020305	3	CLC5038a1W	9/7/2013	922.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Clearwater River MP 922.2)	N/A	139.4	--	0.10	--	0.10	147	37	21	SESW, SWSE	47.530146	-95.372481		
Clearwater	Clearwater River	09020305	3	CLC5038d1W	9/10/2013	922.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Clearwater River MP 922.2)	N/A	34.1	--	0.02	--	0.02	147	37	28	NWNE	47.529436	-95.371921		
Clearwater	Clearwater River	09020305	3	CLC5040_000RRa1 W	7/28/2016	922.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	HDD (Clearwater River MP 922.2)	N/A	19.6	0.01	--	--	0.01	147	37	28	NWNE	47.529207	-95.371742		
Clearwater	Clearwater River	09020305	3	CLC5042a1W	9/16/2013	922.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	147	37	28	NWNE	47.527257	-95.369784		
Clearwater	Clearwater River	09020305	3	CLC5045_900CRa1 W	5/29/2014	923.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	33.6	0.03	--	--	0.03	147	37	34	NENW	47.514883	-95.355947		
Clearwater	Clearwater River	09020305	3	CLC5045a1W	7/1/2015	923.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	136.3	0.44	--	--	0.44	147	37	27	SESW	47.515338	-95.355871		
Clearwater	Clearwater River	09020305	3	CLC5046c1W	10/4/2013	924.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	16.8	0.02	--	--	0.02	147	37	34	NENW	47.512246	-95.353433		
Clearwater	Clearwater River	09020305	3	CLC5046c1W	10/4/2013	924.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	147	37	34	NENW	47.512246	-95.353433		
Clearwater	Clearwater River	09020305	3	CLC5046a1W	10/4/2013	924.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.00	--	0.03	147	37	34	NENW	47.511848	-95.352953	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5047a1W	9/7/2013	924.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,342.0	2.47	--	--	2.47	147	37	34	NWSE, SENW, SWNE	47.508434	-95.349565		
Clearwater	Clearwater River	09020305	3	CLC5047a1W	9/7/2013	924.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	286.2	0.36	0.32	--	0.68	147	37	34	NWSE, SENW, SWNE	47.508434	-95.349565		
Clearwater	Clearwater River	09020305	3	CLC5047a1W	9/7/2013	924.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.10	--	--	0.10	147	37	34	NWSE, SENW, SWNE	47.508434	-95.349565		
Clearwater	Clearwater River	09020305	3	CLC5047a1W	9/7/2013	924.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	334.7	0.62	0.38	--	1.01	147	37	34	NWSE, SENW, SWNE	47.508434	-95.349565		
Clearwater	Clearwater River	09020305	3	CLC5047a1W	9/7/2013	924.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	205.0	0.15	0.25	--	0.39	147	37	34	NWSE, SENW, SWNE	47.508434	-95.349565		
Clearwater	Clearwater River	09020305	3	CLC5049e1W	7/16/2013	924.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	51.0	0.06	0.04	--	0.11	147	37	34	SESE	47.502297	-95.343285		
Clearwater	Clearwater River	09020305	3	CLC5049f1W	7/16/2013	924.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	7.2	0.02	0.03	--	0.04	147	37	34	SESE	47.502605	-95.343596		
Clearwater	Clearwater River	09020305	3	CLC5049f1W	7/16/2013	924.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.01	--	0.06	147	37	34	SESE	47.502605	-95.343596	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5049c1W	7/16/2013	924.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	46.2	0.12	--	--	0.12	147	37	34	SESE	47.501410	-95.342391		
Clearwater	Clearwater River	09020305	3	CLC5051d1W	7/16/2013	925.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	146	37	2	NWNW	47.496775	-95.337887		

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Clearwater	Clearwater River	09020305	3	CLC5051b1W	7/16/2013	925.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	141.1	0.09	--	--	0.09	146	37	2	NWNW	47.496414	-95.337299		
Clearwater	Clearwater River	09020305	3	CLC5051b1W	7/16/2013	925.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	17.8	0.17	0.07	--	0.24	146	37	2	NWNW	47.496414	-95.337299		
Clearwater	Clearwater River	09020305	3	CLC5051a1W	7/15/2013	925.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	235.2	0.32	--	--	0.32	146	37	2	SWNW	47.495104	-95.335940		
Clearwater	Clearwater River	09020305	3	CLC5051a1W	7/15/2013	925.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	66.8	0.14	0.07	--	0.21	146	37	2	SWNW	47.495104	-95.335940		
Clearwater	Clearwater River	09020305	3	CLC5053e1W	7/15/2013	925.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	52.5	0.02	--	--	0.02	146	37	2	NESW	47.491082	-95.332004		
Clearwater	Clearwater River	09020305	3	CLC5053d1W	7/15/2013	925.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	13.2	0.03	--	--	0.03	146	37	2	NESW	47.490298	-95.331091		
Clearwater	Clearwater River	09020305	3	CLC5053d1W	7/15/2013	925.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	336.8	0.25	0.20	--	0.45	146	37	2	NESW	47.490298	-95.331091		
Clearwater	Clearwater River	09020305	3	CLC5053a1W	7/15/2013	926.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	44.9	0.05	--	--	0.05	146	37	2	SWSE	47.488290	-95.329092		
Clearwater	Clearwater River	09020305	3	CLC5054a1W	7/13/2013	926.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.00	--	0.00	146	37	2	SWSE	47.486160	-95.326834		
Clearwater	Clearwater River	09020305	3	CLC5054c1W	7/13/2013	926.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	87.1	0.09	--	--	0.09	146	37	2	SWSE	47.487022	-95.327821		
Clearwater	Clearwater River	09020305	3	CLC5055k1W	7/13/2013	926.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	146	37	11	NWNE	47.485542	-95.325727		
Clearwater	Clearwater River	09020305	3	CLC5055h1W	7/12/2013	926.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	34.6	0.05	--	--	0.05	146	37	11	NENE, NWNE	47.484037	-95.324118		
Clearwater	Clearwater River	09020305	3	CLC5055f1W	7/12/2013	926.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	146	37	11	NENE	47.483366	-95.323344		
Clearwater	Clearwater River	09020305	3	CLC5055f1W	7/12/2013	926.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	43.1	0.03	0.05	--	0.07	146	37	11	NENE	47.483366	-95.323344	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5055g1W	7/12/2013	926.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	166.4	0.13	--	--	0.13	146	37	11	NENE	47.482853	-95.322795		
Clearwater	Clearwater River	09020305	3	CLC5055j1W	7/13/2013	926.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	146	37	11	SENE	47.482013	-95.322162		
Clearwater	Clearwater River	09020305	3	CLC5055e1W	7/12/2013	926.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	59.1	0.10	0.07	--	0.17	146	37	11	SENE	47.481150	-95.321003		
Clearwater	Clearwater River	09020305	3	CLC5055e1W	7/12/2013	926.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	2.4	0.07	0.01	--	0.09	146	37	11	SENE	47.481150	-95.321003		
Clearwater	Clearwater River	09020305	3	CLC5055e1W	7/12/2013	926.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	18.8	0.05	0.02	--	0.06	146	37	11	SENE	47.481150	-95.321003	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5055b1W	7/11/2013	926.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	146	37	11	SENE	47.479882	-95.319486	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	CLC5055_210a1W	7/11/2013	926.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Bore	N/A	9.7	0.03	0.01	--	0.04	146	37	12	SWNW	47.479041	-95.318544		
Clearwater	Clearwater River	09020305	3	CLC5055_210a1W	7/11/2013	926.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	146	37	12	SWNW	47.479041	-95.318544	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-146n37w12-i	7/27/2018	927.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	159.8	0.55	--	--	0.55	146	37	12	NESW, NWSW	47.478319	-95.312622		
Clearwater	Clearwater River	09020305	3	w-146n37w12-i	7/27/2018	927.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	110.2	0.30	--	--	0.30	146	37	12	NESW, NWSW	47.478319	-95.312622		
Clearwater	Clearwater River	09020305	3	w-146n37w12-i	7/27/2018	927.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.26	0.01	--	0.27	146	37	12	NESW, NWSW	47.478319	-95.312622		
Clearwater	Clearwater River	09020305	3	w-146n37w12-i	7/27/2018	927.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	381.6	0.69	0.41	--	1.10	146	37	12	NESW, NWSW	47.478319	-95.312622		
Clearwater	Clearwater River	09020305	3	w-146n37w12-i	7/27/2018	927.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	57.8	0.11	0.07	--	0.19	146	37	12	NESW, NWSW	47.478319	-95.312622	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-146n37w12-l	7/27/2018	927.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	146	37	12	NWSE	47.478630	-95.307146		
Clearwater	Clearwater River	09020305	3	w-146n37w12-m	7/27/2018	927.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	36.6	0.11	--	--	0.11	146	37	12	NWSE, SWNE	47.478625	-95.306325		
Clearwater	Clearwater River	09020305	3	w-146n37w12-p	7/27/2018	927.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	34.3	0.10	--	--	0.10	146	37	12	SWNE	47.479416	-95.303071		
Clearwater	Clearwater River	09020305	3	w-146n37w12-r	7/27/2018	927.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	101.0	0.26	--	--	0.26	146	37	12	SENE	47.479493	-95.301576		
Clearwater	Clearwater River	09020305	3	w-146n37w12-s	7/27/2018	927.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	146	37	12	SENE	47.479580	-95.301893		
Clearwater	Clearwater River	09020305	3	w-146n37w12-t	7/27/2018	927.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	133.5	0.23	--	--	0.23	146	37	12	SENE	47.479465	-95.298399		
Clearwater	Clearwater River	09020305	3	w-146n37w12-t	7/27/2018	927.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	54.1	0.07	0.07	--	0.14	146	37	12	SENE	47.479465	-95.298399		
Clearwater	Clearwater River	09020305	3	w-146n37w12-t	7/27/2018	927.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	146	37	12	SENE	47.479465	-95.298399	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-146n36w7-k	7/28/2018	927.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	29.1	0.09	0.04	--	0.13	146	36	7	NESE, SENE	47.478848	-95.297198		
Clearwater	Clearwater River	09020305	3	w-146n36w7-k	7/28/2018	927.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	30.0	0.08	0.02	--	0.10	146	36	7	NESE, SENE	47.478848	-95.297198	Forested Seasonal Ponds	

Line 3 Replacement Project  
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County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Clearwater River	09020305	3	w-146n36w7-h	6/19/2017	927.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	146	36	7	NESE	47.477618	-95.296032		
Clearwater	Clearwater River	09020305	3	w-146n36w7-e	6/19/2017	928.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	170.7	0.12	0.18	--	0.29	146	36	7	NESE	47.477096	-95.293602		
Clearwater	Clearwater River	09020305	3	w-146n36w7-e	6/19/2017	928.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	57.8	0.13	0.10	--	0.23	146	36	7	NESE	47.477096	-95.293602	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-146n36w7-c	6/17/2017	928.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	146	36	7	NESE	47.476458	-95.291424		
Clearwater	Clearwater River	09020305	3	w-146n36w7-c	6/17/2017	928.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	146	36	7	NESE	47.476458	-95.291424	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-146n36w8-b	6/17/2017	928.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	29.2	0.04	0.03	--	0.07	146	36	8	NWSW	47.475667	-95.288211		
Clearwater	Clearwater River	09020305	3	w-146n36w8-b	6/17/2017	928.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.02	146	36	8	NWSW	47.475667	-95.288211	Forested Seasonal Ponds	
Clearwater	Clearwater River	09020305	3	w-146n36w8-a	6/17/2017	928.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	666.3	1.45	--	--	1.45	146	36	8	NESW, NWSW	47.476086	-95.284116		
Clearwater	Clearwater River	09020305	3	w-146n36w8-a	6/17/2017	928.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	122.4	0.13	0.14	--	0.28	146	36	8	NESW, NWSW	47.476086	-95.284116		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w9-c	6/16/2017	929.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	55.3	0.11	--	--	0.11	146	36	9	NWSW	47.476983	-95.264224		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w9-c	6/16/2017	929.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	150.6	0.26	0.16	--	0.41	146	36	9	NWSW	47.476983	-95.264224		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w9-c	6/16/2017	929.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	64.6	0.10	0.08	--	0.18	146	36	9	NWSW	47.476983	-95.264224	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w15-b	7/28/2018	931.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	191.8	0.12	0.19	--	0.31	146	36	15	SWNE	47.464690	-95.232485		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w15-b	7/28/2018	931.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	419.6	0.45	0.51	--	0.96	146	36	15	SWNE	47.464690	-95.232485		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w14-a	6/15/2017	932.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	78.2	0.12	--	--	0.12	146	36	14	SWSW	47.456090	-95.221764		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w14-a	6/15/2017	932.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.02	--	0.04	146	36	14	SWSW	47.456090	-95.221764		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w23-c	6/15/2017	932.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut / Bore Pit	N/A	113.2	0.12	0.13	--	0.25	146	36	23	NWNW	47.455714	-95.221695		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	719.9	1.58	--	--	1.58	146	36	23	NWSW, SWNW	47.447347	-95.221514		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	272.2	0.26	0.31	--	0.57	146	36	23	NWSW, SWNW	47.447347	-95.221514		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	247.4	0.28	0.30	--	0.58	146	36	23	NWSW, SWNW	47.447347	-95.221514		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	68.1	0.02	0.06	--	0.09	146	36	26	NWSW, SWSW	47.431007	-95.224718		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	70.7	0.19	0.07	--	0.27	146	36	26	NWSW, SWSW	47.431007	-95.224718	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	0.01	--	0.09	146	36	26	NWSW, SWSW	47.431007	-95.224718		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	146	36	26	NWSW, SWSW	47.431007	-95.224718		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	246.2	0.14	0.28	--	0.42	146	36	26	NWSW, SWSW	47.431007	-95.224718	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-g	6/14/2017	935.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	30.3	0.08	0.04	--	0.12	146	36	35	NWSW, SWNW	47.420122	-95.224852		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-g	6/14/2017	935.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	408.2	0.61	0.44	--	1.05	146	36	35	NWSW, SWNW	47.420122	-95.224852		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-g	6/14/2017	935.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	101.6	0.15	0.17	--	0.32	146	36	35	NWSW, SWNW	47.420122	-95.224852	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-f	6/14/2017	935.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.19	0.00	--	0.19	146	36	35	NWSW	47.417112	-95.225176		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-e	6/14/2017	935.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	146	36	35	SWSW	47.416109	-95.224807		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-e	6/14/2017	935.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	146	36	35	SWSW	47.416109	-95.224807	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-c	6/14/2017	935.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	146	36	35	SWSW	47.414987	-95.225235		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-c	6/14/2017	935.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	146	36	35	SWSW	47.414987	-95.225235	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-q	6/14/2017	935.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	28.6	0.13	--	--	0.13	145	36	2	NWNW	47.412459	-95.224759		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-q	6/14/2017	935.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	145	36	2	NWNW	47.412459	-95.224759		
Clearwater	Mississippi River - Headwaters	07010101	5	w-146n36w35-a	6/14/2017	935.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	11.6	0.02	0.01	--	0.03	146	36	35	SWSW	47.412699	-95.224719		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	28.0	0.07	--	--	0.07	145	36	2	NWNW	47.409558	-95.222752		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	145	36	2	NWNW	47.409558	-95.222752		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	98.3	0.01	0.07	--	0.08	145	36	2	NWNW	47.409558	-95.222752		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	0.1	0.02	0.02	--	0.04	145	36	2	NWNW	47.409558	-95.222752	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-m	6/14/2017	935.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	33.7	0.08	--	--	0.08	145	36	2	NWNW, SWNW	47.408878	-95.222051		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-k	6/14/2017	936.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	145	36	2	SWNW	47.407913	-95.220490		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-h	8/2/2018	936.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	237.9	0.53	--	--	0.53	145	36	2	NWSW, SWNW	47.404683	-95.220505		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-h	8/2/2018	936.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	230.6	0.50	--	--	0.50	145	36	2	NWSW, SWNW	47.404683	-95.220505		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-h	8/2/2018	936.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	171.4	0.18	0.20	--	0.38	145	36	2	NWSW, SWNW	47.404683	-95.220505		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-f	6/13/2017	936.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	45.7	0.10	--	--	0.10	145	36	2	SWSW	47.400799	-95.220371		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-c	6/12/2017	936.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	54.1	0.09	--	--	0.09	145	36	2	SWSW	47.399222	-95.220424		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w2-a	6/12/2017	936.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	43.1	0.07	--	--	0.07	145	36	2	SWSW	47.398827	-95.220485		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-h	6/12/2017	936.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	142.1	0.21	0.16	--	0.36	145	36	11	NWNW	47.397677	-95.220356		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-h	6/12/2017	936.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	72.9	0.12	0.11	--	0.23	145	36	11	NWNW	47.397677	-95.220356		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-h	6/12/2017	936.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	46.4	0.08	0.04	--	0.12	145	36	11	NWNW	47.397677	-95.220356	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-g	6/12/2017	936.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	145	36	11	NWNW	47.394842	-95.220490		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-f	6/12/2017	937.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	121.8	0.10	--	--	0.10	145	36	11	SWNW	47.392777	-95.220273		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-f	6/12/2017	937.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	145	36	11	SWNW	47.392777	-95.220273		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-f	6/12/2017	937.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	0.02	--	0.09	145	36	11	SWNW	47.392777	-95.220273	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-b	6/12/2017	937.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	46.8	0.08	0.05	--	0.14	145	36	11	SWSW	47.386410	-95.220179		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-c	6/12/2017	937.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	0.02	--	0.05	145	36	11	SWSW	47.385346	-95.221419		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-a	6/12/2017	937.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	16.7	0.09	--	--	0.09	145	36	11	SWSW	47.384342	-95.221264		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-a	6/12/2017	937.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	103.0	0.20	0.10	--	0.29	145	36	11	SWSW	47.384342	-95.221264		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w11-a	6/12/2017	937.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	46.8	0.10	0.08	--	0.17	145	36	11	SWSW	47.384342	-95.221264	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-c	6/10/2017	938.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	95.9	0.10	--	--	0.10	145	36	14	NWNW, NWSW, SWNW	47.379838	-95.221194		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-c	6/10/2017	938.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	322.8	0.33	0.37	--	0.70	145	36	14	NWNW, NWSW, SWNW	47.379838	-95.221194		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-c	6/10/2017	938.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	548.4	0.50	0.57	--	1.07	145	36	14	NWNW, NWSW, SWNW	47.379838	-95.221194		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-c	6/10/2017	938.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.03	--	0.08	145	36	14	NWNW, NWSW, SWNW	47.379838	-95.221194	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-d	6/10/2017	938.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.00	--	0.06	145	36	14	SWNW	47.378294	-95.220581		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-e	6/10/2017	938.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	145	36	14	SWNW	47.379207	-95.220544		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	145	36	14	NWSW, SWSW	47.373052	-95.221213		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	219.6	0.23	0.25	--	0.48	145	36	14	NWSW, SWSW	47.373052	-95.221213		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	157.9	0.16	0.19	--	0.35	145	36	14	NWSW, SWSW	47.373052	-95.221213		
Clearwater	Mississippi River - Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	231.4	0.10	0.24	--	0.34	145	36	14	NWSW, SWSW	47.373052	-95.221213	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5092b1W	7/18/2013	939.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	248.0	0.45	--	0.06	0.51	145	36	23, 26	NWNW, NWSW, SWSW	47.357212	-95.222610		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5092b1W	7/18/2013	939.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	532.4	0.84	0.61	0.00	1.45	145	36	23, 26	NWNW, NWSW, SWSW	47.357212	-95.222610		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5094a1W	7/22/2013	940.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	437.4	1.08	--	--	1.08	145	36	26	NENW, NWNW, SENW	47.351980	-95.219797		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5094a1W	7/22/2013	940.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	400.7	0.55	0.41	--	0.96	145	36	26	NENW, NWNW, SENW	47.351980	-95.219797		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5094a1W	7/22/2013	940.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	145	36	26	NENW, NWNW, SENW	47.351980	-95.219797		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5095a1W	7/22/2013	940.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	304.1	0.04	0.21	--	0.26	145	36	26	NESW, SENW	47.347557	-95.217067		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5095a1W	7/22/2013	940.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	21.2	0.38	0.07	--	0.45	145	36	26	NESW, SENW	47.347557	-95.217067		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / HDD (Mississippi River MP 941.0)	N/A	452.8	0.51	--	--	0.51	145	36	26, 35	NWNE, SWSE	47.340708	-95.212579		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Missippi River MP 941.0)	N/A	52.1	0.46	0.10	--	0.55	145	36	26, 35	NWNE, SWSE	47.340708	-95.212579		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	HDD (Missippi River MP 941.0)	N/A	41.0	0.64	0.08	--	0.71	145	36	26, 35	NWNE, SWSE	47.340708	-95.212579		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	145	36	26, 35	NWNE, SWSE	47.340708	-95.212579	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	330.5	0.46	--	--	0.46	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Missippi River MP 941.0) / Water Appropriation	N/A	35.1	0.02	--	--	0.02	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Missippi River MP 941.0) / Water Appropriation	N/A	588.4	0.44	--	--	0.44	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.69	0.01	--	0.70	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Missippi River MP 941.0)	N/A	406.1	--	0.27	--	0.27	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Missippi River MP 941.0)	N/A	58.7	--	0.04	--	0.04	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Missippi River MP 941.0)	N/A	80.3	--	0.05	--	0.05	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	HDD (Missippi River MP 941.0)	N/A	296.3	0.41	0.20	--	0.61	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	HDD (Missippi River MP 941.0)	N/A	126.5	--	0.08	--	0.08	145	36	35	NENE, NWNE, SENE	47.337510	-95.208736	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5100c1W	9/10/2013	941.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	145	36	36	NWSW	47.332234	-95.202963		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5100c1W	9/10/2013	941.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	0.00	--	0.07	145	36	36	NWSW	47.332234	-95.202963	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5100a1W	9/10/2013	942.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	152.9	0.29	--	--	0.29	145	36	36	SWSW	47.326979	-95.199067		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5100a1W	9/10/2013	942.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.00	--	0.02	145	36	36	SWSW	47.326979	-95.199067		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5100a1W	9/10/2013	942.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	145	36	36	SWSW	47.326979	-95.199067	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5102a1W	7/22/2013	942.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	137.6	0.16	--	--	0.16	144	36	2	NWNE	47.325254	-95.198093		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5102a1W	7/22/2013	942.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	12.9	0.08	0.03	--	0.11	144	36	2	NWNE	47.325254	-95.198093		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5103a1W	7/7/2015	942.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	144	36	2	NWNE	47.323711	-95.197110		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5103a1W	7/7/2015	942.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	144	36	2	NWNE	47.323711	-95.197110	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5105c1W	7/20/2013	943.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	55.0	0.04	--	--	0.04	144	36	2	SESE	47.313198	-95.191973		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5105a1W	7/20/2013	943.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	144	36	2	SESE	47.311526	-95.191255		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5105b1W	7/20/2013	943.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	144	36	2	SESE	47.312495	-95.191711		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5111a1W	7/20/2013	943.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	189.2	0.40	--	--	0.40	144	36	12	NWSW	47.301791	-95.185880		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5111a1W	7/20/2013	943.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	117.1	0.13	0.14	--	0.27	144	36	12	NWSW	47.301791	-95.185880		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5112b1W	7/20/2013	944.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.00	--	--	0.00	144	36	12	SESW	47.299280	-95.184813		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5122c1W	7/20/2013	944.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	87.1	0.31	--	--	0.31	144	36	12	SESW, SWSW	47.300063	-95.185044		
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5113a1W	7/20/2013	944.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	69.3	0.00	0.04	--	0.04	144	36	13	NENW	47.296603	-95.183232		

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Clearwater	Mississippi River - Headwaters	07010101	5	CLC5113a1W	7/20/2013	944.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	0.03	--	0.10	144	36	13	NENW	47.296603	-95.183232	Forested Seasonal Ponds	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5115a1W	6/6/2014	944.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.01	--	--	0.01	144	36	13	NESW	47.288803	-95.180628		
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	255.8	0.30	--	--	0.30	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands Hydrologically Connected to Trout Streams, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.29	--	--	0.29	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	45.9	0.07	--	--	0.07	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	16.5	0.29	--	--	0.29	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	252.3	0.20	0.28	--	0.47	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	147.7	0.13	0.18	--	0.30	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.35	--	--	0.35	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	0.06	--	0.08	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	573.1	0.14	0.60	--	0.74	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Clearwater	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	194.6	1.45	0.33	--	1.78	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	



Line 3 Replacement Project  
Mainline Wetland Impact Table

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Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	32.2	0.22	0.04	--	0.26	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	657.5	0.55	0.76	--	1.32	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.31	--	--	0.31	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	159.0	--	0.19	--	0.19	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,014.7	1.46	1.16	--	2.62	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands Hydrologically Connected to Trout Streams, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	5.4	--	0.00	--	0.00	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.11	--	--	0.11	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	
Hubbard	Mississippi River - Headwaters	07010101	5	CLC5122a1W	6/27/2016	946.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	247.2	0.09	0.28	--	0.37	144	35, 36	19, 24	NENE, NESW, SENE, SENW, SESW, SWSE	47.275122	-95.167375	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	144	35	19, 30	NWNE, SWSE	47.268818	-95.163453	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	3.2	--	0.00	--	0.00	144	35	19, 30	NWNE, SWSE	47.268818	-95.163453	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	38.9	--	0.03	--	0.03	144	35	19, 30	NWNE, SWSE	47.268818	-95.163453	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	144	35	19, 30	NWNE, SWSE	47.268818	-95.163453	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.01	--	0.05	144	35	19, 30	NWNE, SWSE	47.268818	-95.163453	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5007a1W	7/22/2013	947.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	144	35	30	NESE	47.258640	-95.155340		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5009a1W	6/13/2014	947.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	84.0	0.16	--	--	0.16	144	35	29	SWSW	47.255833	-95.152861		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5010a1W	7/22/2013	948.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	90.8	0.23	--	--	0.23	144	35	32	NWNW	47.251352	-95.149143		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5010a1W	7/22/2013	948.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	30.7	0.10	0.04	--	0.14	144	35	32	NWNW	47.251352	-95.149143		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5011a1W	7/22/2013	948.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	144	35	32	SWNW	47.250323	-95.148176	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5012a1W	7/22/2013	948.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	144	35	32	SENW	47.247747	-95.146081		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5012a1W	7/22/2013	948.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	144	35	32	SENW	47.247747	-95.146081	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5013b1W	7/22/2013	948.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	54.3	--	0.03	--	0.03	144	35	32	NESW	47.245113	-95.144179		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5019a1W	7/23/2013	949.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	255.3	0.35	--	--	0.35	143	35	5	NESE, SESE	47.226983	-95.134998		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5019a1W	7/23/2013	949.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.12	0.02	--	0.14	143	35	5	NESE, SESE	47.226983	-95.134998		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5019a1W	7/23/2013	949.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	76.2	0.18	0.08	--	0.26	143	35	5	NESE, SESE	47.226983	-95.134998		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5023a1W	7/23/2013	950.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.10	--	--	0.10	143	35	8	SENE	47.220369	-95.134975		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5023a1W	7/23/2013	950.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	127.4	0.22	0.13	--	0.35	143	35	8	SENE	47.220369	-95.134975		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5023b1W	7/23/2013	950.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	55.2	0.03	--	--	0.03	143	35	8	SENE	47.217943	-95.134842		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5023b1W	7/23/2013	950.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	143	35	8	SENE	47.217943	-95.134842		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5023b1W	7/23/2013	950.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	3.2	0.00	0.03	--	0.03	143	35	8	SENE	47.217943	-95.134842	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5024a1W	7/23/2013	950.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	143	35	8	NESE	47.217258	-95.134583		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5024b1W	7/23/2013	950.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	361.5	0.61	--	--	0.61	143	35	8	NESE	47.214734	-95.134727		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5024b1W	7/23/2013	950.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	0.02	--	0.10	143	35	8	NESE	47.214734	-95.134727		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5026a1W	7/23/2013	951.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	137.2	0.14	--	--	0.14	143	35	17	SENE	47.205024	-95.133674		

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Hubbard	Mississippi River - Headwaters	07010101	5	HUC5026a1W	7/23/2013	951.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	31.5	0.04	0.04	--	0.09	143	35	17	SENE	47.205024	-95.133674		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5026a1W	7/23/2013	951.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	143	35	17	SENE	47.205024	-95.133674	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5027a1W	7/24/2013	951.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	85.5	0.07	--	--	0.07	143	35	17	NESE, SENE	47.202868	-95.133633		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5027a1W	7/24/2013	951.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	42.6	0.04	0.04	--	0.08	143	35	17	NESE, SENE	47.202868	-95.133633		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5027b1W	7/24/2013	951.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	143	35	17	NESE	47.199676	-95.133473		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5027b1W	7/24/2013	951.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	255.1	0.11	0.16	--	0.27	143	35	17	NESE	47.199676	-95.133473		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5027b1W	7/24/2013	951.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	143	35	17	NESE	47.199676	-95.133473	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5029_200a1W	6/29/2015	952.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	61.1	0.02	0.06	--	0.07	143	35	20, 21	NENE, NWNW	47.195008	-95.131469		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5029_200a1W	6/29/2015	952.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.01	--	0.04	143	35	20, 21	NENE, NWNW	47.195008	-95.131469	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5034_200a1W	6/29/2015	952.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	0.03	--	0.06	143	35	21	SWSW	47.184478	-95.130099		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5034_200a1W	6/29/2015	952.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	79.3	0.05	0.06	--	0.11	143	35	21	SWSW	47.184478	-95.130099		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5034_200a1W	6/29/2015	952.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	143	35	21	SWSW	47.184478	-95.130099	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037e1W	9/9/2014	953.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	57.0	0.07	--	--	0.07	143	35	20	SESE	47.181352	-95.132930		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037d1W	9/9/2014	953.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	80.9	0.07	0.08	--	0.14	143	35	29	NENE	47.180069	-95.133857		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037c1W	7/26/2013	953.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	73.4	0.10	--	--	0.10	143	35	29	NENE	47.178090	-95.134300		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037c1W	7/26/2013	953.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	87.6	0.20	0.09	--	0.29	143	35	29	NENE	47.178090	-95.134300		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037a1W	7/1/2016	953.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	113.4	0.10	--	--	0.10	143	35	29	NESE, SENE	47.175291	-95.134133		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037a1W	7/1/2016	953.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	761.8	1.70	--	--	1.70	143	35	29	NESE, SENE	47.175291	-95.134133		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5037a1W	7/1/2016	953.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	124.8	0.33	0.19	--	0.52	143	35	29	NESE, SENE	47.175291	-95.134133		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5038g1W	7/25/2013	953.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	167.5	0.20	--	--	0.20	143	35	29	NESE	47.172803	-95.134569		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5038g1W	7/25/2013	953.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	26.8	0.24	--	--	0.24	143	35	29	NESE	47.172803	-95.134569		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5038d1W	7/25/2013	953.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	149.8	0.30	--	--	0.30	143	35	29	NESE, SESE	47.170428	-95.135526		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5038d1W	7/25/2013	953.9	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	76.9	0.19	--	--	0.19	143	35	29	NESE, SESE	47.170428	-95.135526		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5038c1W	7/25/2013	954.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	143	35	29	SESE	47.169511	-95.135496		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5038c1W	7/25/2013	954.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	143	35	29	SESE	47.169511	-95.135496	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5039e1W	7/17/2015	954.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	303.2	0.68	--	--	0.68	143	35	29, 32	NENE, SESE, SWSE	47.167099	-95.135954		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5039d1W	7/25/2013	954.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	173.7	0.22	--	--	0.22	143	35	32	NENE	47.166169	-95.135764		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5040b1W	7/18/2015	954.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A / Beaver Dam	772.3	1.27	--	--	1.27	143	35	32	NENE, NESE, NWNE, NWSE, SENE, SWNE	47.162052	-95.135902		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5040b1W	7/18/2015	954.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	77.8	0.17	--	--	0.17	143	35	32	NENE, NESE, NWNE, NWSE, SENE, SWNE	47.162052	-95.135902		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5040b1W	7/18/2015	954.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	144.7	0.83	--	--	0.83	143	35	32	NENE, NESE, NWNE, NWSE, SENE, SWNE	47.162052	-95.135902		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5040b1W	7/18/2015	954.5	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.04	--	--	0.04	143	35	32	NENE, NESE, NWNE, NWSE, SENE, SWNE	47.162052	-95.135902		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5039a1W	7/24/2013	954.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	143	35	32	SWNE	47.160727	-95.136238		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5040a1W	7/24/2013	955.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	258.1	0.41	--	--	0.41	143	35	32	NESE, NWSE, SESE, SWSE	47.155838	-95.136269		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5040a1W	7/24/2013	955.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	17.2	0.13	0.04	--	0.17	143	35	32	NESE, NWSE, SESE, SWSE	47.155838	-95.136269		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5041b1W	10/1/2013	955.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	143	35	32	SWSE	47.154717	-95.136453	Forested Seasonal Ponds	
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5041a1W	10/1/2013	955.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	201.0	0.40	--	--	0.40	143	35	32	SWSE	47.153574	-95.136835		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5042a1W	7/24/2013	955.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	253.9	0.67	--	--	0.67	142, 143	35	5, 32	NWNE, SWSE	47.152506	-95.137042		

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Hubbard	Mississippi River - Headwaters	07010101	5	HUC5042c1W	7/24/2013	955.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	51.3	0.05	--	--	0.05	142	35	5	NWNE	47.151101	-95.137207		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5042c1W	7/24/2013	955.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	72.9	--	0.02	--	0.02	142	35	5	NWNE	47.151101	-95.137207		
Hubbard	Mississippi River - Headwaters	07010101	5	HUC5042c1W	7/24/2013	955.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	72.9	0.07	0.05	--	0.12	142	35	5	NWNE	47.151101	-95.137207	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5042e1W	7/25/2013	955.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	70.3	0.06	--	--	0.06	142	35	5	NWNE	47.150063	-95.137215		
Hubbard	Crow Wing River	07010106	5	HUC5042d1W	7/24/2013	955.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	142	35	5	NWNE	47.149192	-95.136833		
Hubbard	Crow Wing River	07010106	5	HUC5042d1W	7/24/2013	955.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	142	35	5	NWNE	47.149192	-95.136833	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5043a1W	7/17/2015	955.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	141.9	0.30	--	--	0.30	142	35	5	SWNE	47.148356	-95.137145		
Hubbard	Crow Wing River	07010106	5	HUC5043a1W	7/17/2015	955.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.09	0.00	--	0.09	142	35	5	SWNE	47.148356	-95.137145		
Hubbard	Crow Wing River	07010106	5	HUC5043d1W	7/25/2013	955.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	24.0	0.03	--	--	0.03	142	35	5	SWNE	47.145717	-95.137662		
Hubbard	Crow Wing River	07010106	5	HUC5043e1W	7/25/2013	955.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	29.0	0.02	--	--	0.02	142	35	5	SWNE	47.147084	-95.137261		
Hubbard	Crow Wing River	07010106	5	HUC5044a1W	7/25/2013	955.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	142	35	5	NWSE	47.144790	-95.137942		
Hubbard	Crow Wing River	07010106	5	HUC5044b1W	7/25/2013	955.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	131.0	0.26	--	--	0.26	142	35	5	NWSE	47.144401	-95.137872		
Hubbard	Crow Wing River	07010106	5	HUC5004c1W	7/26/2013	955.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	224.0	0.48	--	--	0.48	142	35	5	NWSE	47.142602	-95.138340		
Hubbard	Crow Wing River	07010106	5	HUC5044g1W	7/31/2013	955.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	38.8	0.11	--	--	0.11	142	35	5	NWSE, SWSE	47.141528	-95.138542		
Hubbard	Crow Wing River	07010106	5	HUC5044g1W	7/31/2013	955.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.04	--	--	0.04	142	35	5	NWSE, SWSE	47.141528	-95.138542		
Hubbard	Crow Wing River	07010106	5	HUC5044g1W	7/31/2013	955.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.00	--	0.03	142	35	5	NWSE, SWSE	47.141528	-95.138542		
Hubbard	Crow Wing River	07010106	5	HUC5044g1W	7/31/2013	955.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	142	35	5	NWSE, SWSE	47.141528	-95.138542	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5044h1W	7/31/2013	956.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	53.9	0.07	--	--	0.07	142	35	5	SWSE	47.141041	-95.138761		
Hubbard	Crow Wing River	07010106	5	HUC5044i1W	7/31/2013	956.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	34.2	0.02	--	--	0.02	142	35	5	SWSE	47.140742	-95.138929		
Hubbard	Crow Wing River	07010106	5	HUC5044l1W	7/31/2013	956.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	79.2	0.11	--	--	0.11	142	35	5	SWSE	47.140093	-95.139044		
Hubbard	Crow Wing River	07010106	5	HUC5044m1W	7/31/2013	956.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	142	35	5	SWSE	47.139509	-95.138945		
Hubbard	Crow Wing River	07010106	5	HUC5044n1W	7/31/2013	956.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	131.8	0.21	--	--	0.21	142	35	5	SWSE	47.138234	-95.139263		
Hubbard	Crow Wing River	07010106	5	HUC5045a1W	7/26/2013	956.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.02	--	--	0.02	142	35	8	NWNE	47.137353	-95.139254		
Hubbard	Crow Wing River	07010106	5	HUC5045a1W	7/26/2013	956.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	45.8	0.07	0.05	--	0.12	142	35	8	NWNE	47.137353	-95.139254		
Hubbard	Crow Wing River	07010106	5	HUC5045a1W	7/26/2013	956.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	142	35	8	NWNE	47.137353	-95.139254	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5045d1W	7/30/2013	956.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	3.8	0.06	0.01	--	0.08	142	35	8	NWNE	47.135538	-95.139448		
Hubbard	Crow Wing River	07010106	5	HUC5045d1W	7/30/2013	956.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	142	35	8	NWNE	47.135538	-95.139448	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5045e1W	7/30/2013	956.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	142	35	8	NWNE	47.135227	-95.139728		
Hubbard	Crow Wing River	07010106	5	HUC5047c1W	7/25/2013	956.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	0.01	--	0.03	142	35	8	NWSE	47.130062	-95.140430		
Hubbard	Crow Wing River	07010106	5	HUC5047c1W	7/25/2013	956.7	4A - Open Bog	Type 8 - Bog	PEM	Open Cut	N/A	63.6	0.09	--	--	0.09	142	35	8	NWSE	47.130062	-95.140430		
Hubbard	Crow Wing River	07010106	5	HUC5048b1W	7/24/2013	956.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	142	35	8	NESW, NWSE	47.127587	-95.141116		
Hubbard	Crow Wing River	07010106	5	HUC5052f1W	6/12/2014	957.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	26.0	0.08	--	--	0.08	142	35	17	NENW	47.120662	-95.142266		
Hubbard	Crow Wing River	07010106	5	HUC5052f1W	6/12/2014	957.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	33.5	0.03	0.03	--	0.06	142	35	17	NENW	47.120662	-95.142266		
Hubbard	Crow Wing River	07010106	5	HUC5052f1W	6/12/2014	957.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	142	35	17	NENW	47.120662	-95.142266	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5052e1W	6/12/2014	957.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1.2	0.00	0.00	--	0.01	142	35	17	NENW, SENW	47.119848	-95.142478		
Hubbard	Crow Wing River	07010106	5	HUC5052e1W	6/12/2014	957.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	71.1	0.04	0.06	--	0.10	142	35	17	NENW, SENW	47.119848	-95.142478	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5052d1W	7/26/2013	957.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	355.2	0.64	--	--	0.64	142	35	17	SENW	47.118455	-95.142742		
Hubbard	Crow Wing River	07010106	5	HUC5052d1W	7/26/2013	957.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	59.6	0.14	0.06	--	0.20	142	35	17	SENW	47.118455	-95.142742		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Hubbard	Crow Wing River	07010106	5	HUC5052a1W	7/26/2013	957.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	127.7	0.31	--	--	0.31	142	35	17	NESW	47.115175	-95.143384		
Hubbard	Crow Wing River	07010106	5	HUC5052a1W	7/26/2013	957.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	13.4	0.04	0.02	--	0.06	142	35	17	NESW	47.115175	-95.143384		
Hubbard	Crow Wing River	07010106	5	HUC5052a1W	7/26/2013	957.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	21.0	0.06	0.03	--	0.08	142	35	17	NESW	47.115175	-95.143384	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5053a1W	7/25/2013	958.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	142	35	17	SESW	47.110128	-95.144256		
Hubbard	Crow Wing River	07010106	5	HUC5053a1W	7/25/2013	958.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	142	35	17	SESW	47.110128	-95.144256	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5053c1W	7/25/2013	958.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	33.1	0.03	--	--	0.03	142	35	17	SESW	47.111148	-95.144170		
Hubbard	Crow Wing River	07010106	5	HUC5053c1W	7/25/2013	958.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	142	35	17	SESW	47.111148	-95.144170		
Hubbard	Crow Wing River	07010106	5	HUC5053c1W	7/25/2013	958.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	142	35	17	SESW	47.111148	-95.144170	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5059a1W	7/30/2013	958.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	142	35	20	SENW, SWNW	47.102951	-95.145916		
Hubbard	Crow Wing River	07010106	5	HUC5059a1W	7/30/2013	958.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	142	35	20	SENW, SWNW	47.102951	-95.145916	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5058g1W	7/31/2013	958.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	248.0	0.55	--	--	0.55	142	35	20	NWSW	47.098657	-95.147219		
Hubbard	Crow Wing River	07010106	5	HUC5062_200d1W	9/2/2014	959.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	--	0.00	142	35	29	NENW	47.093319	-95.145252		
Hubbard	Crow Wing River	07010106	5	HUC5062a1W	7/31/2013	959.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	142	35	29	NWNW	47.092634	-95.146568		
Hubbard	Crow Wing River	07010106	5	HUC5062c1W	7/31/2013	959.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	376.8	0.83	--	--	0.83	142	35	29	SWNW	47.089622	-95.146760		
Hubbard	Crow Wing River	07010106	5	HUC5062c1W	7/31/2013	959.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	20.3	0.03	0.02	--	0.05	142	35	29	SWNW	47.089622	-95.146760		
Hubbard	Crow Wing River	07010106	5	HUC5062d1W	7/31/2013	959.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	0.02	--	0.07	142	35	29	SWNW	47.088367	-95.146328		
Hubbard	Crow Wing River	07010106	5	HUC5062e1W	7/31/2013	959.8	4A - Open Bog	Type 8 - Bog	PEM	Open Cut	N/A	111.7	0.27	--	--	0.27	142	35	29	NESW, NWSW	47.086679	-95.145913		
Hubbard	Crow Wing River	07010106	5	HUC5063a1W	8/1/2013	959.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	142	35	29	NESW	47.085718	-95.145434		
Hubbard	Crow Wing River	07010106	5	HUC5064_200c1W	8/1/2013	960.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	142	35	29	SESW	47.081635	-95.144709		
Hubbard	Crow Wing River	07010106	5	HUC5067a1W	7/30/2013	960.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.02	--	--	0.02	142	35	32	SENW	47.075448	-95.144269		
Hubbard	Crow Wing River	07010106	5	HUC5067a1W	7/30/2013	960.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.09	0.01	--	0.10	142	35	32	SENW	47.075448	-95.144269		
Hubbard	Crow Wing River	07010106	5	HUC5067a1W	7/30/2013	960.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	--	--	0.08	142	35	32	SENW	47.075448	-95.144269	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5070a1W	7/2/2015	961.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	11.2	0.02	--	--	0.02	141	35	5	NENW, SENW	47.062669	-95.141881	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5070a1W	7/2/2015	961.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	41.9	0.10	--	--	0.10	141	35	5	NENW, SENW	47.062669	-95.141881	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5070a1W	7/2/2015	961.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	404.8	0.79	--	--	0.79	141	35	5	NENW, SENW	47.062669	-95.141881	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5070a1W	7/2/2015	961.5	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	71.8	0.10	0.09	--	0.19	141	35	5	NENW, SENW	47.062669	-95.141881	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5071_200a1W	7/7/2015	961.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	29.5	--	0.05	--	0.05	141	35	5	SENW	47.059585	-95.141893	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Hubbard	Crow Wing River	07010106	5	HUC5071_200a1W	7/7/2015	961.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	512.4	0.33	0.46	--	0.79	141	35	5	SENW	47.059585	-95.141893	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5072a1W	7/30/2013	961.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	35.6	0.10	--	--	0.10	141	35	5	NESW, SENW	47.058463	-95.141701	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5072a1W	7/30/2013	961.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / Bore Pit	N/A	32.2	0.02	0.03	--	0.05	141	35	5	NESW, SENW	47.058463	-95.141701	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5072a1W	7/30/2013	961.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / Bore Pit	N/A	151.3	0.18	0.12	--	0.30	141	35	5	NESW, SENW	47.058463	-95.141701	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	w-141n35w5-ha	8/9/2019	961.7	5A - Shrub-Carr		PSS	--	N/A	--	0.00	--	--	0.00	141	35	5	SWNE	47.059030	-95.137804		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-ha	8/9/2019	961.7	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	141	35	5	SWNE	47.059030	-95.137804		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-ha	8/9/2019	961.7	2B - Shallow Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	141	35	5	SWNE	47.059030	-95.137804		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-ha	8/9/2019	961.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	141	35	5	SWNE	47.059030	-95.137804		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-ha	8/9/2019	961.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	--	--	0.04	141	35	5	SWNE	47.059030	-95.137804		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-ha	8/9/2019	961.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	141	35	5	SWNE	47.059030	-95.137804		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-hb	7/15/2019	961.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	141	35	5	SWNE	47.059092	-95.138104		
Hubbard	Crow Wing River	07010106	5	w-141n35w5-hc	7/15/2019	961.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	141	35	5	SWNE	47.059131	-95.137490		
Hubbard	Crow Wing River	07010106	5	HUC5072b1W	7/16/2015	962.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	934.6	1.91	--	--	1.91	141	35	5	NESW, SESW, SWSE	47.053215	-95.141227	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5072b1W	7/16/2015	962.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	276.1	0.36	0.27	--	0.63	141	35	5	NESW, SESW, SWSE	47.053215	-95.141227	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5072b1W	7/16/2015	962.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	20.4	0.04	0.02	--	0.06	141	35	5	NESW, SESW, SWSE	47.053215	-95.141227	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5074a1W	7/30/2013	962.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	23.5	0.07	--	--	0.07	141	35	5, 8	NENW, NWNE, SESW, SWSE	47.051175	-95.140802	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5074a1W	7/30/2013	962.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	193.7	0.16	--	--	0.16	141	35	5, 8	NENW, NWNE, SESW, SWSE	47.051175	-95.140802	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Hubbard	Crow Wing River	07010106	5	HUC5074a1W	7/30/2013	962.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	141	35	5, 8	NENW, NWNE, SESW, SWSE	47.051175	-95.140802	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5074a1W	7/30/2013	962.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.27	0.01	--	0.28	141	35	5, 8	NENW, NWNE, SESW, SWSE	47.051175	-95.140802	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5079a1W	7/30/2013	962.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	98.9	0.26	--	--	0.26	141	35	8	NESW, SESW	47.042433	-95.142452		
Hubbard	Crow Wing River	07010106	5	HUC5079a1W	7/30/2013	962.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	121.2	0.17	--	--	0.17	141	35	8	NESW, SESW	47.042433	-95.142452		
Hubbard	Crow Wing River	07010106	5	HUC5079a1W	7/30/2013	962.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,011.4	1.26	1.13	--	2.39	141	35	8	NESW, SESW	47.042433	-95.142452		
Hubbard	Crow Wing River	07010106	5	HUC5079a1W	7/30/2013	962.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	141	35	8	NESW, SESW	47.042433	-95.142452	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5080a1W	7/30/2013	963.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Hay Creek MP 963.7)	Wild Rice Water (Hay Creek) / Public Water Inventory (Public Water Wetland - Unnamed)	1,137.4	0.75	--	--	0.75	141	35	17	NENW, NESW, SENW	47.031720	-95.144942	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5080a1W	7/30/2013	963.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	HDD (Hay Creek MP 963.7)	N/A	254.5	--	0.17	--	0.17	141	35	17	NENW, NESW, SENW	47.031720	-95.144942	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5080a1W	7/30/2013	963.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Hay Creek MP 963.7)	N/A	131.3	--	0.09	--	0.09	141	35	17	NENW, NESW, SENW	47.031720	-95.144942	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5080a1W	7/30/2013	963.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	HDD (Hay Creek MP 963.7)	N/A	31.4	--	0.06	--	0.06	141	35	17	NENW, NESW, SENW	47.031720	-95.144942	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5080a1W	7/30/2013	963.6	4A - Open Bog	Type 8 - Bog	PEM	HDD (Hay Creek MP 963.7)	Wild Rice Water (Hay Creek) / Public Water Inventory (Public Water Wetland - Unnamed)	423.7	0.29	--	--	0.29	141	35	17	NENW, NESW, SENW	47.031720	-95.144942	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5082a1W	7/30/2013	964.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	84.7	0.14	--	--	0.14	141	35	17	NESW, NWSW	47.026556	-95.145694		
Hubbard	Crow Wing River	07010106	5	HUC5082b1W	7/30/2013	964.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	73.6	0.38	--	--	0.38	141	35	17	SESW, SWSW	47.024629	-95.145767		
Hubbard	Crow Wing River	07010106	5	HUC5085a1W	7/30/2013	964.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	141	35	20	NWNW	47.021355	-95.146040		
Hubbard	Crow Wing River	07010106	5	HUC5085a1W	7/30/2013	964.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	151.2	0.35	0.17	--	0.52	141	35	20	NWNW	47.021355	-95.146040		
Hubbard	Crow Wing River	07010106	5	HUC5083a1W	7/30/2013	964.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	462.9	1.21	--	--	1.21	141	35	20	NWNW	47.019654	-95.146381		
Hubbard	Crow Wing River	07010106	5	HUC5083a1W	7/30/2013	964.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	73.7	0.57	0.08	--	0.65	141	35	20	NWNW	47.019654	-95.146381		
Hubbard	Crow Wing River	07010106	5	HUC5086b1W	7/31/2013	964.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	--	--	0.08	141	35	20	SWNW	47.017727	-95.146628		
Hubbard	Crow Wing River	07010106	5	HUC5084b1W	7/31/2013	964.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	33.0	0.09	--	--	0.09	141	35	20	SWNW	47.015324	-95.146777		
Hubbard	Crow Wing River	07010106	5	w-141n35w20-b	6/9/2017	964.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.01	0.01	141	35	20	NWSW	47.014650	-95.149522		
Hubbard	Crow Wing River	07010106	5	HUC5087a1W	7/31/2013	965.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	817.8	1.74	--	--	1.74	141	35	20, 29	NWNW, SWSW	47.007395	-95.146488		
Hubbard	Crow Wing River	07010106	5	HUC5087a1W	7/31/2013	965.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	0.00	--	0.05	141	35	20, 29	NWNW, SWSW	47.007395	-95.146488		
Hubbard	Crow Wing River	07010106	5	HUC5089a1W	7/31/2013	965.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	141	35	29	SWNW	47.003059	-95.146640		
Hubbard	Crow Wing River	07010106	5	HUC5089c1W	7/31/2013	965.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.04	--	--	0.04	141	35	29	SWNW	47.000817	-95.146981		
Hubbard	Crow Wing River	07010106	5	HUC5089c1W	7/31/2013	965.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	66.7	0.14	0.05	--	0.19	141	35	29	SWNW	47.000817	-95.146981		
Hubbard	Crow Wing River	07010106	5	HUC5089d1W	8/1/2013	965.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	51.9	0.05	--	--	0.05	141	35	29	SWNW	47.000439	-95.147152		
Hubbard	Crow Wing River	07010106	5	HUC5090b1W	8/1/2013	966.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	141	35	29	NWSW	46.997461	-95.147998		
Hubbard	Crow Wing River	07010106	5	HUC5090b1W	8/1/2013	966.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	177.2	0.22	0.21	--	0.42	141	35	29	NWSW	46.997461	-95.147998		
Hubbard	Crow Wing River	07010106	5	HUC5090c1W	8/1/2013	966.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.09	--	--	0.09	141	35	29	SWSW	46.995465	-95.148576		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Hubbard	Crow Wing River	07010106	5	HUC5090d1W	8/1/2013	966.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	141	35	29	SWSW	46.994363	-95.148768		
Hubbard	Crow Wing River	07010106	5	HUC5092a1W	8/1/2013	966.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	207.0	0.30	--	--	0.30	141	35	31, 32	NENE, NWNW	46.991940	-95.149644		
Hubbard	Crow Wing River	07010106	5	HUC5092a1W	8/1/2013	966.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	39.6	0.14	0.08	--	0.22	141	35	31, 32	NENE, NWNW	46.991940	-95.149644		
Hubbard	Crow Wing River	07010106	5	HUC5093a1W	8/1/2013	966.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	365.2	0.47	--	--	0.47	141	35	31	NENE	46.990535	-95.150109		
Hubbard	Crow Wing River	07010106	5	HUC5093a1W	8/1/2013	966.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	208.6	0.51	0.29	--	0.79	141	35	31	NENE	46.990535	-95.150109		
Hubbard	Crow Wing River	07010106	5	HUC5094a1W	8/1/2013	966.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	141	35	31	SENE	46.987211	-95.150582		
Hubbard	Crow Wing River	07010106	5	HUC5094a1W	8/1/2013	966.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	155.6	0.30	--	--	0.30	141	35	31	SENE	46.987211	-95.150582	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5094a1W	8/1/2013	966.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.11	0.05	--	0.16	141	35	31	SENE	46.987211	-95.150582		
Hubbard	Crow Wing River	07010106	5	HUC5094a1W	8/1/2013	966.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	81.5	0.06	0.07	--	0.13	141	35	31	SENE	46.987211	-95.150582	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5094c1W	8/1/2013	966.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	141	35	31	SENE	46.986148	-95.150546		
Hubbard	Crow Wing River	07010106	5	HUC5094c1W	8/1/2013	966.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	141	35	31	SENE	46.986148	-95.150546	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5095b1W	8/2/2013	966.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	--	--	0.05	141	35	31	NESE	46.984718	-95.150016		
Hubbard	Crow Wing River	07010106	5	HUC5095b1W	8/2/2013	966.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.06	0.03	--	0.09	141	35	31	NESE	46.984718	-95.150016	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5095c1W	8/2/2013	966.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	141	35	31	NESE	46.984352	-95.150154		
Hubbard	Crow Wing River	07010106	5	HUC5095c1W	8/2/2013	966.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	48.0	0.04	--	--	0.04	141	35	31	NESE	46.984352	-95.150154	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC095d1W	8/2/2013	967.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	141	35	31	NESE	46.983869	-95.150050		
Hubbard	Crow Wing River	07010106	5	HUC095d1W	8/2/2013	967.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	44.1	0.03	--	--	0.03	141	35	31	NESE	46.983869	-95.150050	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5095g1W	8/2/2013	967.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	366.2	0.67	--	--	0.67	141	35	31	NESE	46.982576	-95.149604		
Hubbard	Crow Wing River	07010106	5	HUC5095g1W	8/2/2013	967.1	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	1.2	0.14	--	--	0.14	141	35	31	NESE	46.982576	-95.149604		
Hubbard	Crow Wing River	07010106	5	HUC5095h1W	8/2/2013	967.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	160.9	0.36	--	--	0.36	141	35	31, 32	SESE, SWSW	46.978720	-95.148925		
Hubbard	Crow Wing River	07010106	5	HUC5095h1W	8/2/2013	967.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	141	35	31, 32	SESE, SWSW	46.978720	-95.148925	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC096a1W	8/3/2013	967.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	140	35	6	NENE, NWNE	46.976519	-95.148680	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC096a1W	8/3/2013	967.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.00	--	0.05	140	35	6	NENE, NWNE	46.976519	-95.148680	Wetlands with S1, S2, or S3 Native Plant Communities, Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5098a1W	8/3/2013	967.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	Public Water Inventory (Public Water Basin - Portage Lake)	855.3	0.98	--	--	0.98	140	35	6	SENE, SWNE	46.973334	-95.148551	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5098a1W	8/3/2013	967.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	Public Water Inventory (Public Water Basin - Portage Lake)	191.6	0.20	--	--	0.20	140	35	6	SENE, SWNE	46.973334	-95.148551	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	



Line 3 Replacement Project  
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Hubbard	Crow Wing River	07010106	5	HUC5098a1W	8/3/2013	967.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.04	--	0.04	140	35	6	SENE, SWNE	46.973334	-95.148551	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5098a1W	8/3/2013	967.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.91	--	--	0.91	140	35	6	SENE, SWNE	46.973334	-95.148551	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5098a1W	8/3/2013	967.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.22	0.03	--	0.26	140	35	6	SENE, SWNE	46.973334	-95.148551	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Hubbard	Crow Wing River	07010106	5	HUC5099g1W	8/3/2013	968.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	16.6	0.02	--	--	0.02	140	35	6	NESE	46.969250	-95.148436	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5099b1W	8/3/2013	968.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	140	35	6	SESE	46.967237	-95.148343		
Hubbard	Crow Wing River	07010106	5	HUC5099b1W	8/3/2013	968.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	140	35	6	SESE	46.967237	-95.148343	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5099c1W	8/3/2013	968.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	0.00	--	0.08	140	35	6	NESE, SESE	46.967964	-95.148199	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5099c1W	8/3/2013	968.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	72.5	0.00	0.06	--	0.07	140	35	6	NESE, SESE	46.967964	-95.148199	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5099c1W	8/3/2013	968.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.02	--	0.04	140	35	6	NESE, SESE	46.967964	-95.148199	Wetlands with S1, S2, or S3 Native Plant Communities, Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5100a1W	8/1/2013	968.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	55.6	0.20	--	--	0.20	140	35	7	NENE	46.963893	-95.147923		
Hubbard	Crow Wing River	07010106	5	HUC5100b1W	8/1/2013	968.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	58.8	0.15	--	--	0.15	140	35	7	NENE	46.962429	-95.147892		
Hubbard	Crow Wing River	07010106	5	HUC5100c1W	8/1/2013	968.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	140	35	7	NENE	46.961195	-95.147667		
Hubbard	Crow Wing River	07010106	5	HUC5100d1W	8/1/2013	968.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	103.7	0.23	--	--	0.23	140	35	7	SENE	46.959334	-95.147721		
Hubbard	Crow Wing River	07010106	5	HUC5107_200a1W	6/13/2014	970.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	140	35	20	NWNW	46.935167	-95.143025		
Hubbard	Crow Wing River	07010106	5	HUC5107_200b1W	6/13/2014	970.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	30.3	0.06	--	--	0.06	140	35	20	NWNW	46.934004	-95.141055		
Hubbard	Crow Wing River	07010106	5	HUC5107_200b1W	6/13/2014	970.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	207.9	0.06	0.17	--	0.23	140	35	20	NWNW	46.934004	-95.141055		
Hubbard	Crow Wing River	07010106	5	HUC5114c1W	9/10/2014	971.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	140	35	29	SWNW	46.914543	-95.139483		
Hubbard	Crow Wing River	07010106	5	HUC5121a1W	8/1/2013	974.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Straight River MP 974.2)	N/A	241.2	0.17	--	--	0.17	139	35	6	NESE, SENE	46.884021	-95.142858	Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Crow Wing River	07010106	5	HUC5121a1W	8/1/2013	974.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	HDD (Straight River MP 974.2)	N/A	68.5	0.05	--	--	0.05	139	35	6	NESE, SENE	46.884021	-95.142858	Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Crow Wing River	07010106	5	HUC5121a1W	8/1/2013	974.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Straight River MP 974.2)	N/A	18.3	--	0.01	--	0.01	139	35	6	NESE, SENE	46.884021	-95.142858	Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Crow Wing River	07010106	5	HUC5121a1W	8/1/2013	974.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	HDD (Straight River MP 974.2)	N/A	448.5	--	0.31	--	0.31	139	35	6	NESE, SENE	46.884021	-95.142858	Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Crow Wing River	07010106	5	HUC5121a1W	8/1/2013	974.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Straight River MP 974.2)	N/A	243.1	--	0.17	--	0.17	139	35	6	NESE, SENE	46.884021	-95.142858	Wetlands Hydrologically Connected to Trout Streams	
Hubbard	Crow Wing River	07010106	5	NWI-106		974.2	6A - Hardwood Swamp		PFO	HDD (Straight River MP 974.2)	N/A	229.4	--	0.16	--	0.16	139	35	6	NESE	46.881893	-95.143094		
Hubbard	Crow Wing River	07010106	5	HUC5124b1W	8/2/2013	974.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	95.1	0.21	--	--	0.21	139	35	7	SENE	46.872198	-95.144226		
Hubbard	Crow Wing River	07010106	5	HUC5124b1W	8/2/2013	974.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	214.6	0.28	--	--	0.28	139	35	7	SENE	46.872198	-95.144226		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Hubbard	Crow Wing River	07010106	5	HUC5124b1W	8/2/2013	974.9	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	80.6	0.19	--	--	0.19	139	35	7	SENE	46.872198	-95.144226		
Hubbard	Crow Wing River	07010106	5	HUC5124b1W	8/2/2013	974.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.27	0.02	--	0.29	139	35	7	SENE	46.872198	-95.144226		
Hubbard	Crow Wing River	07010106	5	HUC5124a1W	8/2/2013	975.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	139	35	7	SENE	46.871131	-95.144528		
Hubbard	Crow Wing River	07010106	5	HUC5126d1W	7/15/2015	975.3	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	59.0	0.14	--	--	0.14	139	35	7	SESE	46.865971	-95.143880		
Hubbard	Crow Wing River	07010106	5	HUC5126d1W	7/15/2015	975.3	4A - Open Bog	Type 8 - Bog	PEM	Wet Push Pull	N/A	49.5	0.11	--	--	0.11	139	35	7	SESE	46.865971	-95.143880		
Hubbard	Crow Wing River	07010106	5	HUC5126c1W	8/2/2013	975.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	8.8	0.02	--	--	0.02	139	35	7	SESE	46.865243	-95.143843		
Hubbard	Crow Wing River	07010106	5	HUC5126a1W	8/1/2013	975.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	82.6	0.07	--	--	0.07	139	35	7	SESE	46.863931	-95.143905		
Hubbard	Crow Wing River	07010106	5	HUC5126a1W	8/1/2013	975.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.02	--	0.06	139	35	7	SESE	46.863931	-95.143905	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5127a1W	8/2/2013	976.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	273.1	0.51	--	--	0.51	139	35	18	SENE	46.856093	-95.144996		
Hubbard	Crow Wing River	07010106	5	HUC5129a1W	8/2/2013	976.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	67.3	0.11	--	--	0.11	139	35	18	NESE	46.855286	-95.145084		
Hubbard	Crow Wing River	07010106	5	HUC5129a1W	8/2/2013	976.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.17	--	--	0.17	139	35	18	NESE	46.855286	-95.145084		
Hubbard	Crow Wing River	07010106	5	HUC5129b1W	8/2/2013	976.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	13.2	0.05	0.02	--	0.07	139	35	18	SESE	46.851815	-95.145592	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5129c1W	8/2/2013	976.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	97.5	0.10	--	--	0.10	139	35	18	SESE	46.851214	-95.145704		
Hubbard	Crow Wing River	07010106	5	HUC5129c1W	8/2/2013	976.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	0.01	--	0.06	139	35	18	SESE	46.851214	-95.145704		
Hubbard	Crow Wing River	07010106	5	HUC5129d1W	7/8/2015	976.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	253.7	0.71	--	--	0.71	139	35	18, 19	NENE, SESE	46.848509	-95.146242		
Hubbard	Crow Wing River	07010106	5	HUC5129d1W	7/8/2015	976.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	888.3	1.50	0.92	--	2.42	139	35	18, 19	NENE, SESE	46.848509	-95.146242		
Hubbard	Crow Wing River	07010106	5	HUC5129d1W	7/8/2015	976.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.25	0.09	--	0.34	139	35	18, 19	NENE, SESE	46.848509	-95.146242		
Hubbard	Crow Wing River	07010106	5	HUC5133a1W	8/3/2013	976.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	120.4	0.09	--	--	0.09	139	35	19	NENE, NWNE	46.845192	-95.147216		
Hubbard	Crow Wing River	07010106	5	HUC5133a1W	8/3/2013	976.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	0.05	--	0.12	139	35	19	NENE, NWNE	46.845192	-95.147216		
Hubbard	Crow Wing River	07010106	5	HUC5133a1W	8/3/2013	976.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	35	19	NENE, NWNE	46.845192	-95.147216		
Hubbard	Crow Wing River	07010106	5	HUC5133a1W	8/3/2013	976.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	139	35	19	NENE, NWNE	46.845192	-95.147216	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5135a1W	8/3/2013	977.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	50.7	0.08	--	--	0.08	139	35	19	NWSE	46.840298	-95.148434		
Hubbard	Crow Wing River	07010106	5	HUC5135a1W	8/3/2013	977.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	91.2	0.17	0.11	--	0.28	139	35	19	NWSE	46.840298	-95.148434		
Hubbard	Crow Wing River	07010106	5	HUC5135b1W	8/3/2013	977.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	29.5	0.02	--	--	0.02	139	35	19	NWSE	46.839928	-95.148675		
Hubbard	Crow Wing River	07010106	5	HUC5136a1W	8/3/2013	977.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	35	19	SWSE	46.835493	-95.148796		
Hubbard	Crow Wing River	07010106	5	HUC5136a1W	8/3/2013	977.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	108.8	0.13	0.12	--	0.24	139	35	19	SWSE	46.835493	-95.148796		
Hubbard	Crow Wing River	07010106	5	HUC5145a1W	8/2/2013	978.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	35	31	NENE	46.818907	-95.146915		
Hubbard	Crow Wing River	07010106	5	HUC5145b1W	8/2/2013	978.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	35	31	NWNE, SWNE	46.815928	-95.148171		
Hubbard	Crow Wing River	07010106	5	HUC5145b1W	8/2/2013	978.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.27	0.01	--	0.27	139	35	31	NWNE, SWNE	46.815928	-95.148171		
Hubbard	Crow Wing River	07010106	5	HUC5151a1W	8/2/2013	979.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	270.0	0.51	--	--	0.51	139	35	31	NESE, SESE	46.808573	-95.144123		
Hubbard	Crow Wing River	07010106	5	HUC5151a1W	8/2/2013	979.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	86.8	0.12	0.09	--	0.21	139	35	31	NESE, SESE	46.808573	-95.144123		
Hubbard	Crow Wing River	07010106	5	HUC5157a1W	8/5/2013	980.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	135.8	0.39	--	--	0.39	139	35	32	NWSE, SWSE	46.808617	-95.130368		
Hubbard	Crow Wing River	07010106	5	HUC5157a1W	8/5/2013	980.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	157.0	0.07	0.18	--	0.24	139	35	32	NWSE, SWSE	46.808617	-95.130368		
Hubbard	Crow Wing River	07010106	5	HUC5157b1W	8/5/2013	980.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	96.9	0.41	--	--	0.41	139	35	32	SESE, SWSE	46.808611	-95.126578		
Hubbard	Crow Wing River	07010106	5	HUC5161b1W	8/5/2013	981.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	101.2	--	0.09	--	0.09	139	35	33	NWSE	46.810785	-95.108396		
Hubbard	Crow Wing River	07010106	5	HUC5161a1W	8/5/2013	981.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	86.4	0.17	--	--	0.17	139	35	33	NWSE	46.810788	-95.107503		
Hubbard	Crow Wing River	07010106	5	HUC5161a1W	8/5/2013	981.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	50.5	0.05	0.06	--	0.11	139	35	33	NWSE	46.810788	-95.107503		
Hubbard	Crow Wing River	07010106	5	HUC5162a1W	8/5/2013	981.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	168.0	0.33	--	--	0.33	139	35	33	NESE, NWSE	46.811190	-95.105354		
Hubbard	Crow Wing River	07010106	5	HUC5162a1W	8/5/2013	981.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	157.8	0.19	0.19	--	0.38	139	35	33	NESE, NWSE	46.811190	-95.105354		
Hubbard	Crow Wing River	07010106	5	HUC5165a1W	9/12/2013	981.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	35	34	SWNW	46.812691	-95.098154		

Line 3 Replacement Project  
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Hubbard	Crow Wing River	07010106	5	HUC5171a1W	9/30/2013	982.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	83.7	0.08	--	--	0.08	139	35	34	SWNE	46.814916	-95.085070		
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	712.5	0.49	0.84	--	1.33	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124		
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	230.3	0.17	0.26	--	0.43	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	650.6	0.78	0.73	--	1.51	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124		
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124	Forested Seasonal Ponds	
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5174b1W	9/30/2013	982.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	546.8	0.83	0.63	--	1.46	139	35	34, 35	SENE, SENW, SWNW	46.814992	-95.075124	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5174a1W	9/12/2013	983.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Shell River MP 983.7) / Water Appropriation	N/A	163.9	0.11	--	--	0.11	139	35	35, 36	SENE, SWNW	46.814959	-95.058034	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5174a1W	9/12/2013	983.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Shell River MP 983.7) / Water Appropriation	N/A	256.4	0.19	--	--	0.19	139	35	35, 36	SENE, SWNW	46.814959	-95.058034	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5174a1W	9/12/2013	983.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Shell River MP 983.7)	N/A	556.6	--	0.39	--	0.39	139	35	35, 36	SENE, SWNW	46.814959	-95.058034	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5174a1W	9/12/2013	983.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Shell River MP 983.7)	N/A	279.1	--	0.20	--	0.20	139	35	35, 36	SENE, SWNW	46.814959	-95.058034	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Shell River MP 985.3) / Water Appropriation	N/A	778.0	0.55	--	--	0.55	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	HDD (Shell River MP 985.3)	N/A	144.1	0.10	--	--	0.10	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Shell River MP 985.3)	N/A	1,053.1	--	0.72	--	0.72	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Shell River MP 985.3)	N/A	19.1	--	0.00	--	0.00	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Shell River MP 985.3)	N/A	25.0	--	0.02	--	0.02	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Shell River MP 985.3)	N/A	66.7	--	0.05	--	0.05	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	4B - Coniferous Bog	Type 8 - Bog	PFO	HDD (Shell River MP 985.3)	N/A	1,107.8	--	0.76	--	0.76	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5179a1W	8/6/2013	985.3	4B - Coniferous Bog	Type 8 - Bog	PFO	HDD (Shell River MP 985.3)	N/A	3.8	--	0.00	--	0.00	139	34	31	NENE, NENW, NWNE	46.819810	-95.026279	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing River	07010106	5	HUC5183a1W	8/5/2013	986.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	139	34	32	NWNE	46.819711	-95.006443		
Hubbard	Crow Wing River	07010106	5	HUC5183b1W	8/5/2013	986.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.11	--	--	0.11	139	34	32	NWNE	46.819702	-95.002683		
Hubbard	Crow Wing River	07010106	5	w-139n34w32-bb	10/8/2019	986.5	8 - Seasonally Flooded Basin	Type 1- Seasonally flooded basins or floodplains	PEM	--	N/A	--	0.00	--	--	0.00	139	34	32	NESE	46.812462	-95.001176		
Hubbard	Crow Wing River	07010106	5	HUC5184a1W	8/5/2013	987.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	244.6	0.55	--	--	0.55	139	34	33	NWNW, SWNW	46.815656	-94.991253		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Hubbard	Crow Wing River	07010106	5	HUC5184a1W	8/5/2013	987.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	207.3	0.16	0.24	--	0.40	139	34	33	NWNW, SWNW	46.815656	-94.991253		
Hubbard	Crow Wing River	07010106	5	HUC5187b1W	8/5/2013	987.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	139	34	33	SWNE	46.812597	-94.983042		
Hubbard	Crow Wing River	07010106	5	NWI-133		988.2	3B - Fresh (wet) Meadow		PEM	Open Cut	N/A	69.3	0.19	--	--	0.19	139	34	34	NESW, NWSW, SENW	46.812411	-94.969335		
Hubbard	Crow Wing River	07010106	5	NWI-134		988.3	2B - Shallow Marsh		PEM	Open Cut	N/A	692.9	1.49	--	--	1.49	139	34	34	NESW, SENW	46.812415	-94.967776		
Hubbard	Crow Wing River	07010106	5	NWI-136		988.4	3B - Fresh (wet) Meadow		PEM	Open Cut	N/A	88.2	0.19	--	--	0.19	139	34	34	NESW, SENW	46.812397	-94.966253		
Hubbard	Crow Wing River	07010106	5	NWI-187		992.5	3B - Fresh (wet) Meadow		R2U	--	N/A	--	0.01	--	--	0.01	139	33	32	SWSW	46.807354	-94.889008		
Wadena	Crow Wing River	07010106	5	WA006a1W	9/8/2014	993.3	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	--	0.00	--	0.00	138	33	5	NESE	46.794742	-94.876101	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Wadena	Crow Wing River	07010106	5	WA006a1W	9/8/2014	993.3	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Crow Wing River MP 993.3) / Water Appropriation Contingency	N/A	11.1	--	0.01	--	0.01	138	33	5	NESE	46.794742	-94.876101	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Wadena	Crow Wing River	07010106	5	WA006b1W	9/8/2014	993.4	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Crow Wing River MP 993.3) / Water Appropriation Contingency	N/A	163.9	--	0.11	--	0.11	138	33	5	NESE	46.794759	-94.874659	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Wadena	Crow Wing River	07010106	5	WA006b1W	9/8/2014	993.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Crow Wing River MP 993.3)	N/A	138.8	--	0.10	--	0.10	138	33	5	NESE	46.794759	-94.874659	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Wadena	Crow Wing River	07010106	5	WA017a1W	9/13/2014	995.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	69.1	0.16	--	--	0.16	138	33	2	SWSW	46.791124	-94.826035		
Wadena	Crow Wing River	07010106	5	WA017a1W	9/13/2014	995.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	144.6	0.13	0.16	--	0.28	138	33	2	SWSW	46.791124	-94.826035		
Wadena	Crow Wing River	07010106	5	WA017b1W	9/13/2014	996.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	3,432.9	7.43	--	--	7.43	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.790521	-94.812981		
Wadena	Crow Wing River	07010106	5	WA017b1W	9/13/2014	996.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	33.2	0.07	--	--	0.07	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.790521	-94.812981	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing River	07010106	5	WA017b1W	9/13/2014	996.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	416.6	0.29	0.40	--	0.69	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.790521	-94.812981		
Wadena	Crow Wing River	07010106	5	WA017b1W	9/13/2014	996.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	181.9	0.10	0.20	--	0.30	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.790521	-94.812981	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing River	07010106	5	WA020a1W	9/12/2014	997.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	138	33	1	SWSE	46.790133	-94.793470		
Wadena	Crow Wing River	07010106	5	WA021a1W	9/12/2014	997.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.18	--	--	0.18	138	33	1	SESE, SWSE	46.790104	-94.788747		
Wadena	Crow Wing River	07010106	5	WA021a1W	9/12/2014	997.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	743.0	0.64	0.76	--	1.40	138	33	1	SESE, SWSE	46.790104	-94.788747		
Cass	Crow Wing River	07010106	5	CAC5001_500a1W	9/19/2014	997.6	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	Open Cut	N/A	107.6	0.32	--	--	0.32	138	32	6	SWSW	46.790063	-94.786201		
Cass	Crow Wing River	07010106	5	CAC5001_500a1W	9/19/2014	997.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	164.6	0.22	0.18	--	0.40	138	32	6	SWSW	46.790063	-94.786201		
Cass	Crow Wing River	07010106	5	CAC5001_510a1W	9/19/2014	998.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	905.8	1.98	--	--	1.98	138	32	6	SESE, SWSE	46.789981	-94.770565		
Cass	Crow Wing River	07010106	5	CAC5001_510a1W	9/19/2014	998.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	161.9	0.17	0.20	--	0.37	138	32	6	SESE, SWSE	46.789981	-94.770565		
Cass	Crow Wing River	07010106	5	CAC5001_510a1W	9/19/2014	998.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	880.6	0.97	0.98	--	1.95	138	32	6	SESE, SWSE	46.789981	-94.770565		
Cass	Crow Wing River	07010106	5	CAC5001_510a1W	9/19/2014	998.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	18.6	0.02	0.03	--	0.05	138	32	6	SESE, SWSE	46.789981	-94.770565	Forested Seasonal Ponds	
Cass	Crow Wing River	07010106	5	CAC5001_520a1W	9/19/2014	998.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	8.1	0.03	--	--	0.03	138	32	5	SWSW	46.789876	-94.765159		
Cass	Crow Wing River	07010106	5	CAC5001_520a1W	9/19/2014	998.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	149.5	0.27	0.17	--	0.44	138	32	5	SWSW	46.789876	-94.765159		

Line 3 Replacement Project  
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Cass	Crow Wing River	07010106	5	CAC5001_520a1W	9/19/2014	998.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	25.6	0.11	0.04	--	0.15	138	32	5	SWSW	46.789876	-94.765159		
Cass	Crow Wing River	07010106	5	CAC5001_520a1W	9/19/2014	998.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	109.3	0.04	0.10	--	0.14	138	32	5	SWSW	46.789876	-94.765159	Forested Seasonal Ponds	
Cass	Crow Wing River	07010106	5	CAC5001_540a1W	9/20/2014	999.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	2,236.7	4.90	--	--	4.90	138	32	4, 5	SESE, SESW, SWSE, SWSW	46.789802	-94.751850		
Cass	Crow Wing River	07010106	5	CAC5001_540a1W	9/20/2014	999.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	142.0	0.18	0.17	--	0.35	138	32	4, 5	SESE, SESW, SWSE, SWSW	46.789802	-94.751850		
Cass	Crow Wing River	07010106	5	CAC5001_540a1W	9/20/2014	999.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	310.8	0.35	0.37	--	0.72	138	32	4, 5	SESE, SESW, SWSE, SWSW	46.789802	-94.751850		
Cass	Crow Wing River	07010106	5	CAC5001_540a1W	9/20/2014	999.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	138	32	4, 5	SESE, SESW, SWSE, SWSW	46.789802	-94.751850	Forested Seasonal Ponds	
Cass	Crow Wing River	07010106	5	CAC5010b1W	8/21/2013	1001.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	4,490.4	9.77	--	--	9.77	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.791559	-94.712218		
Cass	Crow Wing River	07010106	5	CAC5010b1W	8/21/2013	1001.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	81.4	0.45	0.11	--	0.56	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.791559	-94.712218		
Cass	Crow Wing River	07010106	5	CAC5010b1W	8/21/2013	1001.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	1,780.8	1.06	2.03	--	3.09	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.791559	-94.712218		
Cass	Crow Wing River	07010106	5	CAC5010b1W	8/21/2013	1001.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	141.6	0.11	0.12	--	0.23	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.791559	-94.712218	Forested Seasonal Ponds	
Cass	Crow Wing River	07010106	5	CA011cW	8/16/2013	1001.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.13	--	--	0.13	138	32	2	SWSW	46.791726	-94.701633		
Cass	Crow Wing River	07010106	5	CA011cW	8/16/2013	1001.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut / Bore	N/A	295.4	0.24	0.34	--	0.58	138	32	2	SWSW	46.791726	-94.701633		
Cass	Crow Wing River	07010106	5	CA011bW	8/16/2013	1002.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	138	32	2	SWSE	46.791816	-94.691285		
Cass	Crow Wing River	07010106	5	CA011aW	8/16/2013	1002.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	288.3	0.21	0.33	--	0.54	138	32	2	SWSE	46.791922	-94.689107		
Cass	Crow Wing River	07010106	5	CA011aW	8/16/2013	1002.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	117.3	0.22	0.14	--	0.36	138	32	2	SWSE	46.791922	-94.689107		
Cass	Crow Wing River	07010106	5	CA012bW	8/16/2013	1002.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	63.1	0.13	--	--	0.13	138	32	2	SESE	46.791961	-94.685319		
Cass	Crow Wing River	07010106	5	CA012bW	8/16/2013	1002.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	529.4	0.52	0.61	--	1.12	138	32	2	SESE	46.791961	-94.685319		
Cass	Crow Wing River	07010106	5	CA012aW	8/16/2013	1002.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	138	32	2	SESE	46.792020	-94.681397		
Cass	Crow Wing River	07010106	5	CA012aW	8/16/2013	1002.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	17.2	0.01	0.01	0.01	0.03	138	32	2	SESE	46.792020	-94.681397		
Cass	Crow Wing River	07010106	5	CA013aW	8/17/2013	1002.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	202.4	0.47	--	--	0.47	138	32	1, 2	SESE, SESW, SWSW	46.792036	-94.678478		
Cass	Crow Wing River	07010106	5	CA013aW	8/17/2013	1002.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	1,278.0	1.36	1.38	--	2.75	138	32	1, 2	SESE, SESW, SWSW	46.792036	-94.678478		
Cass	Crow Wing River	07010106	5	CA014bW	8/17/2013	1003.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	59.6	0.15	--	--	0.15	138	32	1	SESW, SWSE	46.792092	-94.670566		
Cass	Crow Wing River	07010106	5	CA014aW	8/17/2013	1003.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	16.9	0.04	--	--	0.04	138	32	1	SESE	46.792213	-94.660098		
Cass	Crow Wing River	07010106	5	CA015aW	8/17/2013	1003.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	18.2	0.04	--	--	0.04	138	31	6	SWSW	46.792215	-94.659899		
Cass	Crow Wing River	07010106	5	CA017gW	8/17/2013	1004.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	67.5	0.19	--	--	0.19	138	31	6	SESE, SWSE	46.792322	-94.644887		
Cass	Crow Wing River	07010106	5	CA017hW	8/17/2013	1004.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	6	SESE	46.792266	-94.643339		
Cass	Crow Wing River	07010106	5	CA017aW	8/17/2013	1004.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	138	31	6	SESE	46.792112	-94.639382		
Cass	Crow Wing River	07010106	5	CA017cW	8/17/2013	1004.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	6	SESE	46.792464	-94.640597		
Cass	Crow Wing River	07010106	5	CA017dW	8/17/2013	1004.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.09	--	--	0.09	138	31	6	SESE	46.792199	-94.639937		
Cass	Crow Wing River	07010106	5	CA017fW	8/17/2013	1004.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	6	SESE	46.792268	-94.640882		
Cass	Crow Wing River	07010106	5	CA018iW	8/16/2013	1004.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	138	31	5	SWSW	46.792140	-94.638983		
Cass	Crow Wing River	07010106	5	CA018iW	8/16/2013	1004.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	138	31	5	SWSW	46.792140	-94.638983	Forested Seasonal Ponds	
Cass	Crow Wing River	07010106	5	CA018fW	8/16/2013	1004.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	12.5	--	0.00	--	0.00	138	31	5	SWSW	46.791998	-94.637879		
Cass	Crow Wing River	07010106	5	CA018fW	8/16/2013	1004.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	18.6	0.05	0.02	--	0.07	138	31	5	SWSW	46.791998	-94.637879	Forested Seasonal Ponds	
Cass	Crow Wing River	07010106	5	CA018jW	8/16/2013	1004.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.01	--	0.01	138	31	5	SWSW	46.792312	-94.639037		
Cass	Pine River	07010105	5	CA018dW	8/16/2013	1004.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	138	31	5	SWSW	46.790828	-94.635347	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA019iW	7/11/2019	1004.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	217.3	0.54	--	--	0.54	138	31	5	SESW, SWSW	46.790448	-94.633961	Wetlands with High or Outstanding Biodiversity Sites	
Cass	Pine River	07010105	5	CA019gW	8/16/2013	1005.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	160.7	0.29	--	--	0.29	138	31	5, 8	NENW, SESW	46.789166	-94.630955	Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Pine River	07010105	5	CA019gW	8/16/2013	1005.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	48.8	0.11	0.06	--	0.17	138	31	5, 8	NENW, SESW	46.789166	-94.630955	Wetlands with High or Outstanding Biodiversity Sites	
Cass	Pine River	07010105	5	CA019dW	8/16/2013	1005.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	152.5	0.44	--	--	0.44	138	31	8	NENW	46.788477	-94.629388	Wetlands with High or Outstanding Biodiversity Sites	
Cass	Pine River	07010105	5	CA019fW	8/16/2013	1005.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	138	31	8	NWNE	46.787680	-94.627533	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Cass	Pine River	07010105	5	CA019fW	8/16/2013	1005.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	138	31	8	NWNE	46.787680	-94.627533	Wetlands with High or Outstanding Biodiversity Sites	
Cass	Pine River	07010105	5	CA019fW	8/16/2013	1005.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.02	--	0.02	138	31	8	NWNE	46.787680	-94.627533	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA019eW	8/16/2013	1005.4	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	Public Water Inventory (Public Water Basin - Unnamed)	332.2	0.75	--	--	0.75	138	31	8	NWNE	46.787056	-94.626044	Wetlands with High or Outstanding Biodiversity Sites	
Cass	Pine River	07010105	5	CA019aW	8/16/2013	1005.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.09	--	--	0.09	138	31	8	SENE	46.784863	-94.620822		
Cass	Pine River	07010105	5	CA019aW	8/16/2013	1005.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PUB	--	N/A	--	0.01	--	--	0.01	138	31	8	SENE	46.784863	-94.620822		
Cass	Pine River	07010105	5	CA019bW	8/16/2013	1005.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	27.8	0.03	--	--	0.03	138	31	8	SENE	46.784854	-94.620390		
Cass	Pine River	07010105	5	CA020aW	9/16/2013	1006.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	138	31	9	NWSW, SWNW	46.782348	-94.614375		
Cass	Pine River	07010105	5	CA020aW	9/16/2013	1006.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	75.1	0.12	--	--	0.12	138	31	9	NWSW, SWNW	46.782348	-94.614375	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine River	07010105	5	CA020bW	9/16/2013	1006.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	138	31	9	NESW	46.780369	-94.610399	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine River	07010105	5	CA020dW	9/16/2013	1006.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.12	--	--	0.12	138	31	9	NESW	46.780143	-94.609486		
Cass	Pine River	07010105	5	CA020gW	9/19/2013	1006.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	178.4	0.40	--	--	0.40	138	31	9	NWSE	46.780247	-94.604350		
Cass	Pine River	07010105	5	CA020iW	9/19/2013	1006.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	24.1	0.05	--	--	0.05	138	31	9	NWSE	46.780258	-94.602827		
Cass	Pine River	07010105	5	CA020iW	9/19/2013	1006.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	152.8	0.35	--	--	0.35	138	31	9	NWSE	46.780258	-94.602827		
Cass	Pine River	07010105	5	CA020kW	9/20/2013	1006.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	9	NESE	46.780375	-94.601968		
Cass	Pine River	07010105	5	CA020iW	9/20/2013	1006.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	138	31	9	NESE	46.780141	-94.600863	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA020qW	9/20/2013	1006.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	9	NESE	46.780360	-94.600515		
Cass	Pine River	07010105	5	CA020oW	9/20/2013	1006.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.06	--	--	0.06	138	31	9	NESE	46.780134	-94.598066		
Cass	Pine River	07010105	5	CA020pW	9/20/2013	1006.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	9	NESE	46.780338	-94.599335		
Cass	Pine River	07010105	5	CA021iW	9/20/2013	1006.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	14.4	0.03	--	--	0.03	138	31	10	NWSW	46.780204	-94.596174		
Cass	Pine River	07010105	5	CA021iW	9/20/2013	1006.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	110.7	0.16	--	--	0.16	138	31	10	NWSW	46.780204	-94.596174	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine River	07010105	5	CA021mW	9/20/2013	1007.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	32.9	0.03	--	--	0.03	138	31	10	NWSW	46.780185	-94.594843	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine River	07010105	5	CA021mW	9/20/2013	1007.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1.9	0.03	0.01	--	0.03	138	31	10	NWSW	46.780185	-94.594843	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine River	07010105	5	CA021iW	9/20/2013	1007.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	205.4	0.28	--	--	0.28	138	31	10	NESW, NWSE	46.781479	-94.586255		
Cass	Pine River	07010105	5	CA021iW	9/20/2013	1007.4	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PUB	--	N/A	--	0.08	--	--	0.08	138	31	10	NESW, NWSE	46.781479	-94.586255		
Cass	Pine River	07010105	5	CA021fW	9/20/2013	1007.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.02	--	--	0.02	138	31	10	NWSE	46.780954	-94.584520		
Cass	Pine River	07010105	5	CA021eW	9/20/2013	1007.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.01	--	0.03	138	31	10	NWSE	46.781032	-94.582870		

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Cass	Pine River	07010105	5	CA021eW	9/20/2013	1007.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.01	--	0.04	138	31	10	NWSE	46.781032	-94.582870	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA021bW	9/20/2013	1007.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	90.4	0.21	--	--	0.21	138	31	10	NESE, NWSE	46.780902	-94.581476		
Cass	Pine River	07010105	5	CA021bW	9/20/2013	1007.7	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	101.8	0.21	--	--	0.21	138	31	10	NESE, NWSE	46.780902	-94.581476		
Cass	Pine River	07010105	5	CA021dW	9/20/2013	1007.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	138	31	10	NESE	46.780820	-94.579569		
Cass	Pine River	07010105	5	CA021aW	9/20/2013	1007.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	138	31	10, 11	NESE, NWSW	46.780542	-94.576095		
Cass	Pine River	07010105	5	CA021aW	9/20/2013	1007.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.01	138	31	10, 11	NESE, NWSW	46.780542	-94.576095		
Cass	Pine River	07010105	5	CA021aW	9/20/2013	1007.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	146.7	0.02	0.15	--	0.17	138	31	10, 11	NESE, NWSW	46.780542	-94.576095	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA022gW	8/15/2013	1008.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	138	31	11	NWSW	46.780553	-94.574422		
Cass	Pine River	07010105	5	CA022gW	8/15/2013	1008.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	169.3	0.06	0.11	--	0.18	138	31	11	NWSW	46.780553	-94.574422		
Cass	Pine River	07010105	5	CA022gW	8/15/2013	1008.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	52.1	0.12	0.04	--	0.16	138	31	11	NWSW	46.780553	-94.574422	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA022fW	8/15/2013	1008.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	165.5	0.35	--	--	0.35	138	31	11	NESW, NWSW	46.780548	-94.572028		
Cass	Pine River	07010105	5	CA022fW	8/15/2013	1008.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	154.2	0.21	0.19	--	0.40	138	31	11	NESW, NWSW	46.780548	-94.572028		
Cass	Pine River	07010105	5	CA022fW	8/15/2013	1008.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	130.8	0.12	0.10	--	0.22	138	31	11	NESW, NWSW	46.780548	-94.572028		
Cass	Pine River	07010105	5	CA022fW	8/15/2013	1008.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	138	31	11	NESW, NWSW	46.780548	-94.572028	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA022dW	8/15/2013	1008.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	21.2	0.04	--	--	0.04	138	31	11	NESW	46.780486	-94.568712	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA022dW	8/15/2013	1008.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	31	11	NESW	46.780486	-94.568712	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA022dW	8/15/2013	1008.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	138	31	11	NESW	46.780486	-94.568712	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA022dW	8/15/2013	1008.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	8.5	0.00	0.03	--	0.03	138	31	11	NESW	46.780486	-94.568712	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA022dW	8/15/2013	1008.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	53.6	--	0.04	--	0.04	138	31	11	NESW	46.780486	-94.568712	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA022cW	8/15/2013	1008.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	386.2	0.83	--	--	0.83	138	31	11	NWSE	46.780461	-94.563927	Wetlands with Known Occurrences of MDNR State-Listed Species, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA022cW	8/15/2013	1008.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.34	--	--	0.34	138	31	11	NWSE	46.780461	-94.563927	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with Known Occurrences of MDNR State-Listed Species	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Pine River	07010105	5	CA022cW	8/15/2013	1008.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	314.2	--	0.36	--	0.36	138	31	11	NWSE	46.780461	-94.563927	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams, Wetlands with Known Occurrences of MDNR State-Listed Species	
Cass	Pine River	07010105	5	CA022cW	8/15/2013	1008.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	142.3	0.20	0.17	--	0.38	138	31	11	NWSE	46.780461	-94.563927	Wetlands with Known Occurrences of MDNR State-Listed Species, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA023aW	8/15/2013	1009.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	98.4	0.14	--	--	0.14	138	31	11, 12	NESE, NWSW, SESE, SWSW	46.780359	-94.553808	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA023aW	8/15/2013	1009.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	138	31	11, 12	NESE, NWSW, SESE, SWSW	46.780359	-94.553808	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA023aW	8/15/2013	1009.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	168.3	0.18	0.21	--	0.39	138	31	11, 12	NESE, NWSW, SESE, SWSW	46.780359	-94.553808	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA023aW	8/15/2013	1009.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	--	--	0.07	138	31	11, 12	NESE, NWSW, SESE, SWSW	46.780359	-94.553808	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA023aW	8/15/2013	1009.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,083.7	0.99	1.18	--	2.17	138	31	11, 12	NESE, NWSW, SESE, SWSW	46.780359	-94.553808	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA024aW	8/15/2013	1009.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	58.8	0.06	--	--	0.06	138	31	12	SESW	46.780220	-94.546444		
Cass	Pine River	07010105	5	CA024aW	8/15/2013	1009.3	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.02	--	--	0.02	138	31	12	SESW	46.780220	-94.546444		
Cass	Pine River	07010105	5	CA025b1W	8/15/2013	1009.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	107.7	0.09	--	--	0.09	138	31	12	SESE, SWSE	46.780114	-94.539044		
Cass	Pine River	07010105	5	CA025b1W	8/15/2013	1009.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	48.9	0.06	--	--	0.06	138	31	12	SESE, SWSE	46.780114	-94.539044		
Cass	Pine River	07010105	5	CA025a1W	8/15/2013	1009.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	138	31	12	NESE, SESE	46.780282	-94.537495		
Cass	Pine River	07010105	5	CA027_200aW	8/15/2013	1010.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	114.4	0.29	--	--	0.29	138	30	7	SESW, SWSW	46.780117	-94.529708		
Cass	Pine River	07010105	5	CA027_200aW	8/15/2013	1010.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	256.8	0.25	0.28	--	0.54	138	30	7	SESW, SWSW	46.780117	-94.529708		
Cass	Pine River	07010105	5	CA028_200aW	8/15/2013	1010.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	205.1	0.36	--	--	0.36	138	30	7	SESW, SWSE	46.780062	-94.524076		
Cass	Pine River	07010105	5	CA028_200aW	8/15/2013	1010.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	116.1	0.22	0.14	--	0.36	138	30	7	SESW, SWSE	46.780062	-94.524076		
Cass	Pine River	07010105	5	CA040aW	8/14/2013	1012.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	225.0	0.38	--	--	0.38	138	30	9	NWSE	46.780755	-94.477989		
Cass	Pine River	07010105	5	w-138n30w10-aa	9/21/2017	1013.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.57	--	--	0.57	138	30	10	0, NWSE	46.779983	-94.460182		
Cass	Pine River	07010105	5	w-138n30w10-ab	9/21/2017	1013.4	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.01	--	--	0.01	138	30	10	0	46.778968	-94.460175		
Cass	Pine River	07010105	5	CA050aW	8/13/2013	1014.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	138	30	11	NESW	46.782668	-94.440199		
Cass	Pine River	07010105	5	CA059aW	8/12/2013	1016.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	138	29	7	NWSE	46.782286	-94.392705		
Cass	Pine River	07010105	5	CA062bW	8/12/2013	1017.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	HDD (Pine River MP 1017.4) / Water Appropriation	N/A	11.3	--	0.01	--	0.01	138	29	8	NESW	46.781469	-94.377664	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA064bW	8/10/2013	1017.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	HDD (Pine River MP 1017.4) / Water Appropriation	N/A	28.6	--	0.02	--	0.02	138	29	8	NESW	46.781451	-94.377257	Wetlands Hydrologically Connected to Wild Rice Waters	



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Pine River	07010105	5	CA064aW	8/10/2013	1017.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	138	29	8	NWSE	46.781233	-94.373364	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA065bW	8/10/2013	1017.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	117.9	0.22	--	--	0.22	138	29	8	NESE	46.781072	-94.366841		
Crow Wing	Pine River	07010105	5	CW005aW	8/10/2013	1019.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	196.9	0.43	--	--	0.43	138	29	15	NWNE	46.774390	-94.328795		
Crow Wing	Pine River	07010105	5	CW005aW	8/10/2013	1019.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PUB	Open Cut	N/A	30.0	0.16	--	--	0.16	138	29	15	NWNE	46.774390	-94.328795		
Crow Wing	Pine River	07010105	5	CW007aW	8/3/2013	1020.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push-Pull	N/A	298.1	0.75	--	--	0.75	138	29	14	NWNW	46.773379	-94.319259		
Crow Wing	Pine River	07010105	5	CW007aW	8/3/2013	1020.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PUB	Wet Push-Pull	N/A	368.6	0.71	--	--	0.71	138	29	14	NWNW	46.773379	-94.319259		
Crow Wing	Pine River	07010105	5	CW007aW	8/3/2013	1020.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push-Pull	N/A	79.9	0.10	0.07	--	0.17	138	29	14	NWNW	46.773379	-94.319259		
Crow Wing	Pine River	07010105	5	CW011aW	8/3/2013	1020.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	349.9	0.81	--	--	0.81	138	29	14	NENW, NWNE	46.773307	-94.311655		
Crow Wing	Pine River	07010105	5	CW011bW	8/3/2013	1020.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	83.2	0.11	--	--	0.11	138	29	14	NWNE	46.773243	-94.308953		
Crow Wing	Pine River	07010105	5	CW012aW	8/3/2013	1021.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	138	29	14	NENE	46.774392	-94.304699		
Crow Wing	Pine River	07010105	5	CW012aW	8/3/2013	1021.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	57.4	0.00	0.05	--	0.05	138	29	14	NENE	46.774392	-94.304699		
Crow Wing	Pine River	07010105	5	CW012aW	8/3/2013	1021.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	0.01	--	0.06	138	29	14	NENE	46.774392	-94.304699	Forested Seasonal Ponds	
Crow Wing	Pine River	07010105	5	CW013aW	8/5/2013	1021.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	138	29	14	NENE	46.776192	-94.302178		
Crow Wing	Pine River	07010105	5	CW014aW	8/5/2013	1021.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	67.9	0.25	--	--	0.25	138	29	12	SWSW	46.778630	-94.299209		
Crow Wing	Pine River	07010105	5	CW014bW	8/5/2013	1021.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	138	29	12	SWSW	46.779535	-94.297991		
Crow Wing	Pine River	07010105	5	CW014bW	8/5/2013	1021.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	70.8	0.06	0.06	--	0.12	138	29	12	SWSW	46.779535	-94.297991		
Crow Wing	Pine River	07010105	5	CW015cW	10/18/2013	1021.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	138	29	12	NESW, NWSW	46.781146	-94.295869		
Crow Wing	Pine River	07010105	5	CW015cW	10/18/2013	1021.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	102.8	0.05	0.05	--	0.10	138	29	12	NESW, NWSW	46.781146	-94.295869		
Crow Wing	Pine River	07010105	5	CW016aW	8/6/2013	1021.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	138	29	12	NESW	46.781850	-94.294987		
Crow Wing	Pine River	07010105	5	CW016aW	8/6/2013	1021.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	57.4	0.06	0.06	--	0.12	138	29	12	NESW	46.781850	-94.294987		
Crow Wing	Pine River	07010105	5	CW016bW	8/6/2013	1022.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	259.8	0.58	--	--	0.58	138	29	12	SENW, SWNE	46.785748	-94.290192		
Crow Wing	Pine River	07010105	5	CW018aW	8/6/2013	1022.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	363.2	0.40	--	--	0.40	138	29	12	NWNE, SWNE	46.787101	-94.288205		
Crow Wing	Pine River	07010105	5	CW019cW	8/6/2013	1022.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	138	29	12	NWNE	46.788111	-94.286975		
Crow Wing	Pine River	07010105	5	CW019cW	8/6/2013	1022.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	62.2	0.07	0.04	--	0.11	138	29	12	NWNE	46.788111	-94.286975		
Crow Wing	Pine River	07010105	5	CW019cW	8/6/2013	1022.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	138	29	12	NWNE	46.788111	-94.286975	Forested Seasonal Ponds	
Crow Wing	Pine River	07010105	5	CW020aW	8/7/2013	1022.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	90.4	--	0.10	--	0.10	138	29	1, 12	NENE, SESE	46.790694	-94.283602	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Crow Wing	Pine River	07010105	5	CW020aW	8/7/2013	1022.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	23.8	0.14	0.03	--	0.17	138	29	1, 12	NENE, SESE	46.790694	-94.283602	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Crow Wing	Pine River	07010105	5	CW021aW	8/7/2013	1022.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Beaver Dam	N/A	133.6	0.54	--	--	0.54	138	29	1	SESE, SWSE	46.791125	-94.284017	Wetlands Hydrologically Connected to Wild Rice Waters	
Crow Wing	Pine River	07010105	5	CW021aW	8/7/2013	1022.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PUB	Open Cut / Beaver Dam	N/A	88.6	0.30	--	--	0.30	138	29	1	SESE, SWSE	46.791125	-94.284017	Wetlands Hydrologically Connected to Wild Rice Waters	
Crow Wing	Pine River	07010105	5	CW021bW	8/7/2013	1022.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	362.8	0.75	--	--	0.75	138	28, 29	1, 6	NESE, NWSW, SESE, SWSW	46.794025	-94.279467		
Crow Wing	Pine River	07010105	5	CW021bW	8/7/2013	1022.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PUB	Wet Push Pull	N/A	136.7	0.29	--	--	0.29	138	28, 29	1, 6	NESE, NWSW, SESE, SWSW	46.794025	-94.279467		
Crow Wing	Pine River	07010105	5	CW021bW	8/7/2013	1022.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull / Beaver Dam	N/A	44.9	0.11	0.05	--	0.16	138	28, 29	1, 6	NESE, NWSW, SESE, SWSW	46.794025	-94.279467		
Crow Wing	Pine River	07010105	5	CW023aW	8/7/2013	1023.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	32.6	0.04	--	--	0.04	138	28	6	NWSW	46.796221	-94.276255		
Crow Wing	Pine River	07010105	5	CW025aW	8/8/2013	1023.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	466.9	1.09	--	--	1.09	138	28	6	NESW, NWSW, SENW	46.798015	-94.274109		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Crow Wing	Pine River	07010105	5	CW025aW	8/8/2013	1023.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	245.1	0.57	0.25	--	0.82	138	28	6	NESW, NWSW, SENW	46.798015	-94.274109		
Crow Wing	Pine River	07010105	5	CW025bW	8/8/2013	1023.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	180.8	0.13	--	--	0.13	138	28	6	SENW	46.800010	-94.271312		
Crow Wing	Pine River	07010105	5	CW027aW	8/8/2013	1023.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	178.0	0.33	--	--	0.33	138	28	6	NWNE	46.802748	-94.267997	Wetlands Hydrologically Connected to Wild Rice Waters	
Crow Wing	Pine River	07010105	5	CW027aW	8/8/2013	1023.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.28	0.03	--	0.30	138	28	6	NWNE	46.802748	-94.267997	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA075aW	8/8/2013	1024.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	1,406.3	3.10	--	--	3.10	138, 139	28	6, 31, 32	NESE, NWNE, NWSW, SESE, SWSE	46.807154	-94.262314	Wetlands Hydrologically Connected to Wild Rice Waters	
Crow Wing	Pine River	07010105	5	CA075aW	8/8/2013	1024.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	53.4	0.27	--	--	0.27	138, 139	28	6, 31, 32	NESE, NWNE, NWSW, SESE, SWSE	46.807154	-94.262314	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA075aW	8/8/2013	1024.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	1,216.7	1.37	1.29	--	2.66	138, 139	28	6, 31, 32	NESE, NWNE, NWSW, SESE, SWSE	46.807154	-94.262314	Wetlands Hydrologically Connected to Wild Rice Waters	
Crow Wing	Pine River	07010105	5	CA075aW	8/8/2013	1024.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	86.7	0.05	0.10	--	0.14	138, 139	28	6, 31, 32	NESE, NWNE, NWSW, SESE, SWSE	46.807154	-94.262314	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA075aW	8/8/2013	1024.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	64.1	0.06	0.06	--	0.12	138, 139	28	6, 31, 32	NESE, NWNE, NWSW, SESE, SWSE	46.807154	-94.262314	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA076dW	8/2/2013	1024.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	140.8	0.13	--	--	0.13	139	28	32	NWSW, SWNW	46.812345	-94.255450		
Cass	Pine River	07010105	5	CA076cW	8/2/2013	1024.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.00	--	0.04	139	28	32	SWNW	46.813054	-94.254709	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA077eW	8/2/2013	1024.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	28	32	SENW	46.813625	-94.253646		
Cass	Pine River	07010105	5	CA077aW	8/2/2013	1024.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	40.2	0.03	--	--	0.03	139	28	32	NENW, SENW	46.815859	-94.250835		
Cass	Pine River	07010105	5	CA077bW	8/2/2013	1024.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	95.6	0.21	--	--	0.21	139	28	32	SENW	46.815381	-94.251602		
Cass	Pine River	07010105	5	CA077cW	8/2/2013	1024.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	12.6	0.02	--	--	0.02	139	28	32	SENW	46.815087	-94.251777		
Cass	Pine River	07010105	5	CA078aW	8/2/2013	1025.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	726.5	1.64	--	--	1.64	139	28	32	NENW, NWNE	46.817263	-94.249187		
Cass	Pine River	07010105	5	CA079bW	8/2/2013	1025.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	28	32	NWNE	46.819066	-94.246598		
Cass	Pine River	07010105	5	CA079cW	8/2/2013	1025.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	87.6	0.07	0.09	--	0.16	139	28	32	NWNE	46.818854	-94.247122	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA080aW	7/31/2013	1025.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	79.2	0.09	--	--	0.09	139	28	29	SWSE	46.820277	-94.245240		
Cass	Pine River	07010105	5	CA080aW	7/31/2013	1025.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	77.2	0.19	0.11	--	0.31	139	28	29	SWSE	46.820277	-94.245240		
Cass	Pine River	07010105	5	CA080fW	7/31/2013	1025.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	--	--	0.05	139	28	29	SWSE	46.819644	-94.246299		
Cass	Pine River	07010105	5	CA082aW	7/31/2013	1025.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,132.9	2.61	--	--	2.61	139	28	29	NESE, SESE	46.823147	-94.241562		
Cass	Pine River	07010105	5	CA082aW	7/31/2013	1025.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	144.3	0.01	0.16	--	0.17	139	28	29	NESE, SESE	46.823147	-94.241562		
Cass	Pine River	07010105	5	CA082aW	7/31/2013	1025.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	13.9	0.02	0.02	--	0.05	139	28	29	NESE, SESE	46.823147	-94.241562		
Cass	Pine River	07010105	5	CA082aW	7/31/2013	1025.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	139	28	29	NESE, SESE	46.823147	-94.241562		
Cass	Pine River	07010105	5	CA083aW	7/31/2013	1025.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	139	28	28	NWSW	46.826293	-94.237258		
Cass	Pine River	07010105	5	CA082dW	7/31/2013	1025.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	139	28	28	NWSW, SWNW	46.826923	-94.236685		
Cass	Pine River	07010105	5	CA082dW	7/31/2013	1025.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	153.7	0.17	0.16	--	0.33	139	28	28	NWSW, SWNW	46.826923	-94.236685		
Cass	Pine River	07010105	5	CA082dW	7/31/2013	1025.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	8.3	0.05	0.01	--	0.05	139	28	28	NWSW, SWNW	46.826923	-94.236685		
Cass	Pine River	07010105	5	CA082dW	7/31/2013	1025.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.02	--	0.05	139	28	28	NWSW, SWNW	46.826923	-94.236685	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA084cW	8/1/2013	1026.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	28	28	SWNW	46.828098	-94.235278		
Cass	Pine River	07010105	5	CA084cW	8/1/2013	1026.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	139	28	28	SWNW	46.828098	-94.235278	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA084jW	8/1/2013	1026.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	0.4	0.00	0.00	--	0.00	139	28	28	SENW, SWNW	46.829722	-94.233093		
Cass	Pine River	07010105	5	CA084jW	8/1/2013	1026.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	10.3	0.05	0.02	--	0.07	139	28	28	SENW, SWNW	46.829722	-94.233093	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA085cW	8/30/2013	1026.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	232.1	0.47	--	--	0.47	139	28	28	NWNE	46.830964	-94.226714		
Cass	Pine River	07010105	5	CA085cW	8/30/2013	1026.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	249.3	0.26	0.28	--	0.54	139	28	28	NWNE	46.830964	-94.226714		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Pine River	07010105	5	CA087aW	8/1/2013	1026.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	122.6	0.03	0.14	--	0.16	139	28	28	NENE	46.830923	-94.218159		
Cass	Pine River	07010105	5	CA087aW	8/1/2013	1026.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.12	0.00	--	0.12	139	28	28	NENE	46.830923	-94.218159		
Cass	Pine River	07010105	5	CA088bW	8/1/2013	1027.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	139	28	27	NWNW	46.830981	-94.214479		
Cass	Pine River	07010105	5	CA088cW	8/1/2013	1027.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	139	28	27	NENW , NWNW	46.830860	-94.212058		
Cass	Pine River	07010105	5	CA088cW	8/1/2013	1027.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	133.3	0.06	0.12	--	0.18	139	28	27	NENW , NWNW	46.830860	-94.212058		
Cass	Pine River	07010105	5	CA089aW	8/2/2013	1027.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	76.2	0.28	--	--	0.28	139	28	27	NENW	46.830903	-94.210615		
Cass	Pine River	07010105	5	CA089aW	8/2/2013	1027.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	139	28	27	NENW	46.830903	-94.210615		
Cass	Pine River	07010105	5	CA089_300a1W	7/15/2014	1027.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	2.9	0.02	0.00	--	0.03	139	28	27	SENW , SWNE	46.829761	-94.206970		
Cass	Pine River	07010105	5	CA089_300a1W	7/15/2014	1027.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	40.9	0.02	0.04	--	0.07	139	28	27	SENW , SWNE	46.829761	-94.206970	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA091g1W	7/15/2014	1027.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	28	27	SWNE	46.829855	-94.206097		
Cass	Pine River	07010105	5	CA091d1W	7/15/2014	1027.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	28	27	SENE , SWNE	46.829726	-94.201146		
Cass	Pine River	07010105	5	CA091d1W	7/15/2014	1027.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	191.9	0.15	0.22	--	0.37	139	28	27	SENE , SWNE	46.829726	-94.201146		
Cass	Pine River	07010105	5	CA091d1W	7/15/2014	1027.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	39.2	0.01	0.04	--	0.05	139	28	27	SENE , SWNE	46.829726	-94.201146		
Cass	Pine River	07010105	5	CA091d1W	7/15/2014	1027.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	139	28	27	SENE , SWNE	46.829726	-94.201146	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA091_300b1W	7/15/2014	1027.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	139	28	27	SENE	46.829686	-94.198692		
Cass	Pine River	07010105	5	CA091_300c1W	7/15/2014	1027.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	69.6	0.16	--	--	0.16	139	28	27	SENE	46.829764	-94.199432		
Cass	Leech Lake River	07010102	5	CA091_300a1W	7/14/2014	1027.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	44.1	0.07	0.06	--	0.13	139	28	26, 27	SENE , SWNW	46.829778	-94.197025		
Cass	Leech Lake River	07010102	5	CA091_300a1W	7/14/2014	1027.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	55.2	0.03	0.05	--	0.08	139	28	26, 27	SENE , SWNW	46.829778	-94.197025	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA091_300a1W	7/14/2014	1027.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	185.8	0.20	0.22	--	0.42	139	28	26, 27	SENE , SWNW	46.829778	-94.197025		
Cass	Pine River	07010105	5	CA091_300a1W	7/14/2014	1027.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	90.0	0.05	0.09	--	0.14	139	28	26, 27	SENE , SWNW	46.829778	-94.197025	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA093f1W	7/14/2014	1028.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	165.0	0.33	--	--	0.33	139	28	26	SWNW	46.829247	-94.191590		
Cass	Pine River	07010105	5	CA093g1W	7/14/2014	1028.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	139	28	26	SENW	46.829107	-94.190385		
Cass	Pine River	07010105	5	CA093d1W	7/14/2014	1028.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	161.1	0.38	--	--	0.38	139	28	26	SENW	46.829472	-94.189229		
Cass	Pine River	07010105	5	CA093d1W	7/14/2014	1028.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	100.9	0.02	0.11	--	0.13	139	28	26	SENW	46.829472	-94.189229		
Cass	Pine River	07010105	5	CA093aW	8/1/2013	1028.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.00	--	--	0.00	139	28	26	NENW	46.830862	-94.186679	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA093b1W	7/14/2014	1028.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	14.1	0.09	--	--	0.09	139	28	26	NENW	46.830560	-94.187807	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA094aW	8/1/2013	1028.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	Public Water Inventory (Public Water Basin - Peterson Lake)	750.8	1.60	--	--	1.60	139	28	26	NENW , NWNE	46.830748	-94.182561	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA094aW	8/1/2013	1028.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	Public Water Inventory (Public Water Basin - Peterson Lake)	63.7	0.12	0.07	--	0.19	139	28	26	NENW , NWNE	46.830748	-94.182561	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095eW	7/30/2013	1028.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	28	26	NENE	46.830699	-94.179922	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095eW	7/30/2013	1028.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	21.8	0.06	0.02	--	0.08	139	28	26	NENE	46.830699	-94.179922	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095dW	7/30/2013	1028.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	28	26	NENE	46.830816	-94.178974	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095bW	7/30/2013	1028.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	132.5	0.44	--	--	0.44	139	28	26	NENE	46.830695	-94.177245	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095bW	7/30/2013	1028.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.14	--	--	0.14	139	28	26	NENE	46.830695	-94.177245	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Pine River	07010105	5	CA095bW	7/30/2013	1028.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	74.0	0.07	0.06	--	0.13	139	28	26	NENE	46.830695	-94.177245	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095bW	7/30/2013	1028.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	50.6	0.00	0.05	--	0.05	139	28	26	NENE	46.830695	-94.177245	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA095cW	7/30/2013	1028.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	45.8	0.05	0.05	--	0.10	139	28	26	NENE	46.830719	-94.175474	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA095cW	7/30/2013	1028.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	28	26	NENE	46.830719	-94.175474	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA096bW	7/30/2013	1029.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	32.4	0.15	--	--	0.15	139	28	25	NWNW	46.830683	-94.173609	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA096aW	7/30/2013	1029.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	709.4	1.47	--	--	1.47	139	28	25	NENW, NWNW	46.830656	-94.171445	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA096aW	7/30/2013	1029.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	35.8	0.04	0.03	--	0.07	139	28	25	NENW, NWNW	46.830656	-94.171445	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Pine River	07010105	5	CA097gW	7/29/2013	1029.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	51.2	0.10	--	--	0.10	139	28	25	NENW	46.830638	-94.168220		
Cass	Pine River	07010105	5	CA097cW	7/29/2013	1029.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	58.6	0.10	--	--	0.10	139	28	25	NENW	46.831270	-94.166534		
Cass	Pine River	07010105	5	CA097cW	7/29/2013	1029.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	91.4	--	0.13	--	0.13	139	28	25	NENW	46.831270	-94.166534		
Cass	Pine River	07010105	5	CA097aW	7/29/2013	1029.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	217.8	0.45	--	--	0.45	139	28	25	NENW, NWNE	46.832566	-94.164853		
Cass	Pine River	07010105	5	CA097aW	7/29/2013	1029.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	40.8	0.06	0.09	--	0.15	139	28	25	NENW, NWNE	46.832566	-94.164853		
Cass	Pine River	07010105	5	CA097aW	7/29/2013	1029.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	205.4	0.13	0.19	--	0.32	139	28	25	NENW, NWNE	46.832566	-94.164853		
Cass	Pine River	07010105	5	CA097aW	7/29/2013	1029.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	0.00	--	0.08	139	28	25	NENW, NWNE	46.832566	-94.164853	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA099jW	7/27/2013	1029.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	139	28	24	SWSE	46.833743	-94.163475	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA099eW	7/27/2013	1029.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.04	--	0.04	139	28	24	SWSE	46.834491	-94.162224		
Cass	Pine River	07010105	5	CA099eW	7/27/2013	1029.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	58.1	0.05	0.08	--	0.13	139	28	24	SWSE	46.834491	-94.162224		
Cass	Pine River	07010105	5	CA099eW	7/27/2013	1029.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	60.8	0.12	0.06	--	0.18	139	28	24	SWSE	46.834491	-94.162224	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA099bW	7/27/2013	1029.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	139	28	24	SWSE	46.836125	-94.160006		
Cass	Pine River	07010105	5	CA099bW	7/27/2013	1029.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	207.5	0.12	0.19	--	0.31	139	28	24	SWSE	46.836125	-94.160006		
Cass	Pine River	07010105	5	CA100aW	7/26/2013	1029.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	28	24	SESE, SWSE	46.836621	-94.159327		
Cass	Pine River	07010105	5	CA100aW	7/26/2013	1029.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	89.7	0.01	0.09	--	0.10	139	28	24	SESE, SWSE	46.836621	-94.159327		
Cass	Pine River	07010105	5	CA100aW	7/26/2013	1029.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	0.01	--	0.07	139	28	24	SESE, SWSE	46.836621	-94.159327	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA101dW	7/26/2013	1029.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	0.3	0.00	0.00	--	0.00	139	28	24	NESE, SESE	46.836961	-94.158977		
Cass	Pine River	07010105	5	CA101dW	7/26/2013	1029.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	2.4	0.05	0.02	--	0.06	139	28	24	NESE, SESE	46.836961	-94.158977	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA101bW	7/26/2013	1030.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	139	28	24	NESE	46.837766	-94.158131		
Cass	Pine River	07010105	5	CA101cW	7/26/2013	1030.0	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PUB	--	N/A	--	0.01	--	--	0.01	139	28	24	NESE	46.837765	-94.158345		
Cass	Pine River	07010105	5	CA102aW	7/25/2013	1030.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	75.3	0.11	--	--	0.11	139	28	24	NESE	46.838431	-94.157217		
Cass	Leech Lake River	07010102	5	CA102aW	7/25/2013	1030.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.09	0.00	--	0.09	139	28	24	NESE	46.838431	-94.157217		
Cass	Pine River	07010105	5	CA102aW	7/25/2013	1030.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	469.0	0.41	0.53	--	0.94	139	28	24	NESE	46.838431	-94.157217		
Cass	Leech Lake River	07010102	5	CA101aW	7/25/2013	1030.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	27, 28	19, 24	NESE, NWSW, SENE	46.840302	-94.154428		
Cass	Leech Lake River	07010102	5	CA101aW	7/25/2013	1030.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	117.6	0.06	0.12	--	0.17	139	27, 28	19, 24	NESE, NWSW, SENE	46.840302	-94.154428		
Cass	Leech Lake River	07010102	5	CA101aW	7/25/2013	1030.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	126.2	0.11	0.14	--	0.25	139	27, 28	19, 24	NESE, NWSW, SENE	46.840302	-94.154428	Forested Seasonal Ponds	
Cass	Leech Lake River	07010102	5	CA104bW	7/26/2013	1030.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	6.3	--	0.01	--	0.01	139	27	19	SWNW	46.841491	-94.152547		
Cass	Leech Lake River	07010102	5	CA104bW	7/26/2013	1030.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.00	--	0.00	139	27	19	SWNW	46.841491	-94.152547	Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Leech Lake River	07010102	5	CA104cW	7/26/2013	1030.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	58.1	0.08	0.07	--	0.15	139	27	19	SWNW	46.842816	-94.151000		
Cass	Leech Lake River	07010102	5	CA105aW	7/26/2013	1030.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	27	19	SENW	46.843695	-94.149528		
Cass	Pine River	07010105	5	CA106eW	7/26/2013	1030.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.27	--	--	0.27	139	27	19	NENW	46.844497	-94.148840		
Cass	Pine River	07010105	5	CA106dW	7/26/2013	1030.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	11.6	0.01	0.02	--	0.02	139	27	19	NENW	46.844755	-94.147305		
Cass	Pine River	07010105	5	CA106dW	7/26/2013	1030.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	50.0	0.06	0.05	--	0.11	139	27	19	NENW	46.844755	-94.147305	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA106aW	7/25/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	139	27	19	NENW	46.844474	-94.145004		
Cass	Pine River	07010105	5	CA106aW	7/25/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	139	27	19	NENW	46.844474	-94.145004	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA106bW	7/26/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	28.4	0.01	0.03	--	0.03	139	27	19	NENW	46.844323	-94.144634		
Cass	Pine River	07010105	5	CA106bW	7/26/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	139	27	19	NENW	46.844323	-94.144634	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA106cW	7/26/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.00	--	0.02	139	27	19	NENW	46.844586	-94.146247		
Cass	Pine River	07010105	5	CA106cW	7/26/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	139	27	19	NENW	46.844586	-94.146247	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA107eW	7/25/2013	1030.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	27	19	NWNE	46.844477	-94.143366		
Cass	Pine River	07010105	5	CA107eW	7/25/2013	1030.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	139	27	19	NWNE	46.844477	-94.143366	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA107fW	7/25/2013	1030.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	52.6	0.16	--	--	0.16	139	27	19	NWNE	46.844345	-94.143761		
Cass	Pine River	07010105	5	CA107cW	7/25/2013	1031.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	78.5	0.19	--	--	0.19	139	27	19	NWNE	46.844461	-94.142207		
Cass	Pine River	07010105	5	CA107cW	7/25/2013	1031.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.01	--	0.01	139	27	19	NWNE	46.844461	-94.142207		
Cass	Pine River	07010105	5	CA107cW	7/25/2013	1031.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.02	--	0.06	139	27	19	NWNE	46.844461	-94.142207	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA108bW	7/25/2013	1031.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Beaver Dam	N/A	268.3	0.57	--	--	0.57	139	27	19	NENE, NWNE	46.844697	-94.138886		
Cass	Pine River	07010105	5	CA108bW	7/25/2013	1031.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	289.6	0.34	0.24	--	0.58	139	27	19	NENE, NWNE	46.844697	-94.138886		
Cass	Pine River	07010105	5	CA108bW	7/25/2013	1031.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.03	--	0.08	139	27	19	NENE, NWNE	46.844697	-94.138886	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA109aW	7/24/2013	1031.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	139	27	20	NWNW	46.845252	-94.131079		
Cass	Pine River	07010105	5	CA109aW	7/24/2013	1031.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	139	27	20	NWNW	46.845252	-94.131079		
Cass	Pine River	07010105	5	CA109aW	7/24/2013	1031.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	281.6	0.45	0.27	--	0.72	139	27	20	NWNW	46.845252	-94.131079		
Cass	Pine River	07010105	5	CA109aW	7/24/2013	1031.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	139	27	20	NWNW	46.845252	-94.131079	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA113a1W	8/17/2013	1032.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	55.3	0.13	--	--	0.13	139	27	20	NENE, NENW, NWNE	46.846026	-94.119333		
Cass	Pine River	07010105	5	CA113a1W	8/17/2013	1032.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	188.2	0.33	--	--	0.33	139	27	20	NENE, NENW, NWNE	46.846026	-94.119333		
Cass	Pine River	07010105	5	CA113a1W	8/17/2013	1032.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	260.3	0.57	0.26	--	0.83	139	27	20	NENE, NENW, NWNE	46.846026	-94.119333		
Cass	Pine River	07010105	5	CA113a1W	8/17/2013	1032.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.01	--	0.05	139	27	20	NENE, NENW, NWNE	46.846026	-94.119333	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA113aW	8/17/2013	1032.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	903.0	2.00	--	--	2.00	139	27	21	NWNW	46.845528	-94.111528		
Cass	Pine River	07010105	5	CA113aW	8/17/2013	1032.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	220.3	0.19	0.24	--	0.43	139	27	21	NWNW	46.845528	-94.111528		
Cass	Pine River	07010105	5	CA114aW	7/23/2013	1032.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	19.2	0.06	0.03	--	0.09	139	27	21	NENW	46.845709	-94.107103		
Cass	Pine River	07010105	5	CA114aW	7/23/2013	1032.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	55.1	0.02	0.06	--	0.07	139	27	21	NENW	46.845709	-94.107103	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA114bW	7/23/2013	1032.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	27	21	NENW	46.845864	-94.103442		
Cass	Pine River	07010105	5	CA114bW	7/23/2013	1032.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	2.5	0.00	0.00	--	0.00	139	27	21	NENW	46.845864	-94.103442		
Cass	Pine River	07010105	5	CA114bW	7/23/2013	1032.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	16.0	0.01	0.02	--	0.03	139	27	21	NENW	46.845864	-94.103442	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA115bW	8/17/2013	1032.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	169.0	0.34	--	--	0.34	139	27	21	NWNE	46.845835	-94.100938		
Cass	Pine River	07010105	5	CA115bW	8/17/2013	1032.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	0.01	--	0.08	139	27	21	NWNE	46.845835	-94.100938		
Cass	Pine River	07010105	5	CA115eW	7/24/2013	1033.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	139	27	21	NWNE	46.845683	-94.100043		
Cass	Pine River	07010105	5	CA115aW	8/17/2013	1033.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	139	27	21	NWNE	46.845797	-94.098026		

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Cass	Pine River	07010105	5	CA115aW	8/17/2013	1033.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	139	27	21	NWNE	46.845797	-94.098026		
Cass	Pine River	07010105	5	CA115aW	8/17/2013	1033.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.01	--	0.06	139	27	21	NWNE	46.845797	-94.098026		
Cass	Pine River	07010105	5	CA115aW	8/17/2013	1033.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	122.1	0.12	0.08	--	0.20	139	27	21	NWNE	46.845797	-94.098026	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA116dW	8/17/2013	1033.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	27	21	NENE	46.846663	-94.091971		
Cass	Pine River	07010105	5	CA116dW	8/17/2013	1033.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	27	21	NENE	46.846663	-94.091971	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA117_200bW	8/9/2013	1033.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	27	15	SWSW	46.847587	-94.088090	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA117_200dW	8/9/2013	1033.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	139	27	15	SWSW	46.848020	-94.086956	Wetlands with Known Occurrences of MDNR State-Listed Species	
Cass	Pine River	07010105	5	CA117_200dW	8/9/2013	1033.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.04	139	27	15	SWSW	46.848020	-94.086956	Wetlands with Known Occurrences of MDNR State-Listed Species, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA118_200aW	8/9/2013	1033.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	58.6	0.06	0.07	--	0.13	139	27	15	SESW	46.847956	-94.086079		
Cass	Pine River	07010105	5	CA118_200cW	8/9/2013	1033.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	41.8	0.02	0.04	--	0.06	139	27	15	SESW	46.847829	-94.084653		
Cass	Pine River	07010105	5	CA118_200dW	8/13/2013	1034.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	401.5	0.78	--	--	0.78	139	27	15	SESE, SESW, SWSE	46.847800	-94.079346		
Cass	Pine River	07010105	5	CA118_200dW	8/13/2013	1034.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	271.9	0.41	0.36	--	0.77	139	27	15	SESE, SESW, SWSE	46.847800	-94.079346		
Cass	Pine River	07010105	5	CA118_200dW	8/13/2013	1034.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	122.3	0.08	0.12	--	0.20	139	27	15	SESE, SESW, SWSE	46.847800	-94.079346	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA120_200bW	8/13/2013	1034.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	294.7	0.36	0.40	--	0.76	139	27	15	SESE	46.847807	-94.073066		
Cass	Pine River	07010105	5	CA120_200bW	8/13/2013	1034.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	82.8	0.08	0.09	--	0.17	139	27	15	SESE	46.847807	-94.073066	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA121_200aW	8/12/2013	1034.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	333.4	0.73	--	--	0.73	139	27	14	SWSW	46.847828	-94.067726		
Cass	Pine River	07010105	5	CA122_200aW	8/12/2013	1034.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	358.9	0.77	--	--	0.77	139	27	14	SESW	46.847702	-94.063273		
Cass	Pine River	07010105	5	CA122_200aW	8/12/2013	1034.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	47.0	0.02	0.04	--	0.06	139	27	14	SESW	46.847702	-94.063273		
Cass	Pine River	07010105	5	CA122_200aW	8/12/2013	1034.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	38.3	0.05	0.07	--	0.12	139	27	14	SESW	46.847702	-94.063273	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA123_200aW	8/12/2013	1034.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	250.5	0.56	--	--	0.56	139	27	14	SESW, SWSE	46.847563	-94.060013		
Cass	Pine River	07010105	5	CA123_200aW	8/12/2013	1034.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	82.4	0.04	0.08	--	0.12	139	27	14	SESW, SWSE	46.847563	-94.060013		
Cass	Pine River	07010105	5	CA123_200aW	8/12/2013	1034.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	72.3	0.09	0.13	--	0.22	139	27	14	SESW, SWSE	46.847563	-94.060013	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA124_200dW	8/12/2013	1035.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	492.5	0.49	0.56	--	1.05	139	27	14	SESE, SWSE	46.847386	-94.055822		
Cass	Pine River	07010105	5	CA124_200dW	8/12/2013	1035.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	14.0	0.04	0.01	--	0.05	139	27	14	SESE, SWSE	46.847386	-94.055822		
Cass	Pine River	07010105	5	CA124_200dW	8/12/2013	1035.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	41.6	0.02	0.05	--	0.07	139	27	14	SESE, SWSE	46.847386	-94.055822	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA124_200bW	8/9/2013	1035.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	152.0	0.30	--	--	0.30	139	27	14	SESE	46.847233	-94.051752		
Cass	Pine River	07010105	5	CA124_200cW	8/9/2013	1035.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	63.4	0.11	--	--	0.11	139	27	14	SESE	46.847251	-94.052709		
Cass	Pine River	07010105	5	CA124_200aW	8/9/2013	1035.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	63.4	0.09	--	--	0.09	139	27	14	SESE	46.847230	-94.050654		
Cass	Pine River	07010105	5	CA124_200aW	8/9/2013	1035.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	139	27	14	SESE	46.847230	-94.050654		
Cass	Pine River	07010105	5	CA124_200aW	8/9/2013	1035.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.01	139	27	14	SESE	46.847230	-94.050654	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA125_200aW	8/9/2013	1035.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	137.2	0.32	--	--	0.32	139	27	13	SWSW	46.847176	-94.047150		
Cass	Pine River	07010105	5	CA126_200aW	8/9/2013	1035.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	44.9	0.20	--	--	0.20	139	27	13	SESW	46.847104	-94.043722		
Cass	Pine River	07010105	5	CA126_200aW	8/9/2013	1035.7	4A - Open Bog	Type 8 - Bog	PSS	Open Cut	N/A	287.7	0.25	0.32	--	0.58	139	27	13	SESW	46.847104	-94.043722		
Cass	Pine River	07010105	5	CA127bW	8/9/2013	1035.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	142.5	0.29	--	--	0.29	139	27	24	NENW, NWNE	46.846098	-94.039644		
Cass	Pine River	07010105	5	CA127aW	8/9/2013	1036.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.10	--	--	0.10	139	27	24	NWNE	46.845424	-94.036961		
Cass	Pine River	07010105	5	CA127aW	8/9/2013	1036.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	205.5	0.19	0.13	--	0.32	139	27	24	NWNE	46.845424	-94.036961		
Cass	Pine River	07010105	5	CA129aW	8/18/2015	1036.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	228.2	0.52	--	--	0.52	139	26, 27	19, 24	NENE, NWNE, NWNW	46.845836	-94.029177		
Cass	Pine River	07010105	5	CA129aW	8/18/2015	1036.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	219.5	0.57	--	--	0.57	139	26, 27	19, 24	NENE, NWNE, NWNW	46.845836	-94.029177		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Pine River	07010105	5	CA129aW	8/18/2015	1036.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	276.1	0.24	0.32	--	0.55	139	26, 27	19, 24	NENE, NWNE, NWNW	46.845836	-94.029177		
Cass	Pine River	07010105	5	CA129aW	8/18/2015	1036.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	103.5	0.11	0.12	--	0.23	139	26, 27	19, 24	NENE, NWNE, NWNW	46.845836	-94.029177		
Cass	Pine River	07010105	5	CA129aW	8/18/2015	1036.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	936.3	1.38	0.89	--	2.27	139	26, 27	19, 24	NENE, NWNE, NWNW	46.845836	-94.029177		
Cass	Pine River	07010105	5	CA130aW	7/19/2013	1036.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	315.3	0.73	--	--	0.73	139	26	19	NENW	46.845193	-94.021047		
Cass	Pine River	07010105	5	CA131aW	7/19/2013	1037.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	118.4	0.28	--	--	0.28	139	26	19	NENW, NWNE	46.844531	-94.018074		
Cass	Pine River	07010105	5	CA131aW	7/19/2013	1037.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	109.3	0.14	0.11	--	0.25	139	26	19	NENW, NWNE	46.844531	-94.018074		
Cass	Pine River	07010105	5	CA131aW	7/19/2013	1037.0	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	265.9	0.27	0.26	--	0.53	139	26	19	NENW, NWNE	46.844531	-94.018074		
Cass	Pine River	07010105	5	w-139n26w19-ha	7/19/2019	1037.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	139	26	19	SENE	46.842815	-94.012282		
Cass	Pine River	07010105	5	w-139n26w19-hc	7/19/2019	1037.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	26	19	SENE	46.840831	-94.012418		
Cass	Pine River	07010105	5	CA134dW	7/19/2013	1037.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	HDD (Daggett Brook MP 1037.4)	N/A	356.2	0.27	--	--	0.27	139	26	19, 20	SENE, SWNW	46.842587	-94.009103		
Cass	Pine River	07010105	5	CA134dW	7/19/2013	1037.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Daggett Brook MP 1037.4)	N/A	194.9	--	0.10	--	0.10	139	26	19, 20	SENE, SWNW	46.842587	-94.009103		
Cass	Pine River	07010105	5	CA134cW	7/19/2013	1037.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (Daggett Brook MP 1037.4)	N/A	133.0	--	0.07	--	0.07	139	26	20	SWNW	46.842248	-94.007460		
Cass	Pine River	07010105	5	CA135aW	7/19/2013	1037.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	139	26	20	SENW	46.841547	-94.003267		
Cass	Pine River	07010105	5	CA135gW	7/19/2013	1037.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	21.4	0.02	--	--	0.02	139	26	20	SENW	46.841359	-94.003441		
Cass	Pine River	07010105	5	CA135bW	7/19/2013	1037.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	46.6	0.04	--	--	0.04	139	26	20	SENW	46.840896	-93.999812		
Cass	Pine River	07010105	5	CA138aW	7/23/2013	1038.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet push pull	N/A	168.4	0.40	--	--	0.40	139	26	21	SWNW	46.842430	-93.985752		
Cass	Pine River	07010105	5	CA139aW	7/18/2013	1038.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	26	21	SENW	46.842978	-93.979243		
Cass	Pine River	07010105	5	CA139bW	7/19/2013	1038.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.01	--	0.01	139	26	21	SENW	46.843046	-93.978821	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA141aW	7/18/2013	1039.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.11	--	--	0.11	139	26	21	NENW, NWNE, SENW, SWNE	46.843408	-93.976181		
Cass	Pine River	07010105	5	CA141aW	7/18/2013	1039.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	742.9	0.73	0.74	--	1.48	139	26	21	NENW, NWNE, SENW, SWNE	46.843408	-93.976181		
Cass	Pine River	07010105	5	CA142aW	7/18/2013	1039.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	139	26	21	NENE	46.844324	-93.968922		
Cass	Pine River	07010105	5	CA142bW	7/18/2013	1039.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	11.8	0.03	--	--	0.03	139	26	21	NENE	46.844075	-93.969108		
Cass	Pine River	07010105	5	CA143cW	7/18/2013	1039.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	48.2	0.23	--	--	0.23	139	26	22	NWNW	46.844614	-93.965213		
Cass	Pine River	07010105	5	CA143kW	7/18/2013	1039.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	139	26	22	NWNW	46.845196	-93.960506		
Cass	Pine River	07010105	5	CA143nW	7/18/2013	1039.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	26	22	NENW	46.845338	-93.958281		
Cass	Pine River	07010105	5	CA143qW	7/18/2013	1039.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	50.6	0.01	0.05	--	0.05	139	26	22	NENW	46.845559	-93.957394		
Cass	Pine River	07010105	5	CA143rW	7/18/2013	1040.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	14.3	0.00	0.02	--	0.02	139	26	22	NENW	46.846381	-93.957084		
Cass	Pine River	07010105	5	CA144bW	7/17/2013	1040.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.01	--	0.01	139	26	15	SESW	46.848083	-93.956463		
Cass	Pine River	07010105	5	CA144bW	7/17/2013	1040.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.02	--	0.03	139	26	15	SESW	46.848083	-93.956463	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA144aW	7/17/2013	1040.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.03	--	--	0.03	139	26	15	SESW	46.848992	-93.956190		
Cass	Pine River	07010105	5	CA144aW	7/17/2013	1040.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.01	--	0.04	139	26	15	SESW	46.848992	-93.956190		
Cass	Pine River	07010105	5	CA144aW	7/17/2013	1040.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.09	0.01	--	0.10	139	26	15	SESW	46.848992	-93.956190	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA145aW	7/17/2013	1040.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	74.5	0.22	0.09	--	0.30	139	26	15	NESW, SESW	46.850983	-93.955477		
Cass	Pine River	07010105	5	CA145aW	7/17/2013	1040.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.20	0.02	--	0.22	139	26	15	NESW, SESW	46.850983	-93.955477	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA145dW	7/17/2013	1040.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.00	--	0.01	139	26	15	NESW	46.852449	-93.954884		
Cass	Pine River	07010105	5	CA145dW	7/17/2013	1040.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	0.00	--	0.07	139	26	15	NESW	46.852449	-93.954884	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA147aW	6/8/2017	1040.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	26	15	SWNE	46.856542	-93.952910		
Cass	Pine River	07010105	5	w-139n26w15-s	6/8/2017	1040.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	56.6	0.11	--	--	0.11	139	26	15	SWNE	46.857060	-93.952217		

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Cass	Pine River	07010105	5	CA148a1W	8/28/2014	1040.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	139	26	15	NWNE	46.858098	-93.949702		
Cass	Pine River	07010105	5	CA148_300a1W	8/28/2014	1040.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1.6	0.00	0.00	--	0.00	139	26	15	NENE	46.857967	-93.949070		
Cass	Pine River	07010105	5	CA148_300a1W	8/28/2014	1040.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	42.8	0.00	0.04	--	0.04	139	26	15	NENE	46.857967	-93.949070	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA148_300b1W	8/28/2014	1041.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.01	--	0.05	139	26	15	NENE	46.857906	-93.945461		
Cass	Pine River	07010105	5	CA147_525b1W	8/30/2014	1041.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	Public Water Inventory (Public Water Wetland - Scout Camp Pond)	77.4	0.09	0.09	--	0.18	139	26	14	NWNW	46.857988	-93.942757	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Cass	Pine River	07010105	5	CA147_525b1W	8/30/2014	1041.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	139	26	14	NWNW	46.857988	-93.942757	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Trout Streams	
Cass	Pine River	07010105	5	CA147_525b1W	8/30/2014	1041.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	Public Water Inventory (Public Water Wetland - Scout Camp Pond)	78.5	0.06	0.13	--	0.19	139	26	14	NWNW	46.857988	-93.942757	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Cass	Pine River	07010105	5	CA147_525a1W	8/30/2014	1041.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	43.7	--	0.05	--	0.05	139	26	14	NWNW	46.857955	-93.940424	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA147_525a1W	8/30/2014	1041.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	2.4	0.00	0.00	--	0.01	139	26	14	NWNW	46.857955	-93.940424	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Cass	Pine River	07010105	5	CA147_525a1W	8/30/2014	1041.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	139	26	14	NWNW	46.857955	-93.940424	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA147_530b1W	8/29/2014	1041.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	139	26	14	NENW	46.859674	-93.936245		
Cass	Pine River	07010105	5	CA147_530b1W	8/29/2014	1041.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	139	26	14	NENW	46.859674	-93.936245	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA147_530c1W	8/29/2014	1041.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	131.5	0.16	0.15	--	0.30	139	26	11, 14	NENW, SESW, SWSE	46.861180	-93.934045		
Cass	Pine River	07010105	5	CA147_530c1W	8/29/2014	1041.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	2.7	0.03	0.03	--	0.06	139	26	11, 14	NENW, SESW, SWSE	46.861180	-93.934045		
Cass	Pine River	07010105	5	CA147_530c1W	8/29/2014	1041.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.01	--	0.02	139	26	11, 14	NENW, SESW, SWSE	46.861180	-93.934045	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA153p1W	8/29/2014	1041.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	139	26	11	SWSE	46.862346	-93.932941		
Cass	Pine River	07010105	5	CA153l1W	8/29/2014	1041.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	36.5	0.03	0.03	--	0.07	139	26	11	SWSE	46.863330	-93.931506		
Cass	Pine River	07010105	5	CA153l1W	8/29/2014	1041.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.01	--	0.06	139	26	11	SWSE	46.863330	-93.931506	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA153n1W	8/29/2014	1042.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	0.00	--	0.07	139	26	11	SWSE	46.863795	-93.931043		
Cass	Pine River	07010105	5	CA153n1W	8/29/2014	1042.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	139	26	11	SWSE	46.863795	-93.931043	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA153cW	7/15/2013	1042.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	139	26	11	NESE, NWSE	46.865172	-93.928784		
Cass	Pine River	07010105	5	CA153f1W	8/29/2014	1042.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	80.5	0.16	--	--	0.16	139	26	11	NWSE, SWSE	46.864812	-93.929689		
Cass	Pine River	07010105	5	CA153d1W	7/15/2013	1042.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	47.9	0.09	--	--	0.09	139	26	11	NESE	46.865140	-93.928104		



Line 3 Replacement Project  
Mainline Wetland Impact Table

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Cass	Pine River	07010105	5	CA153bW	9/5/2019	1042.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	230.8	0.56	--	--	0.56	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.864934	-93.923272		
Cass	Pine River	07010105	5	CA153bW	9/5/2019	1042.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	951.5	1.01	1.05	--	2.07	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.864934	-93.923272		
Cass	Pine River	07010105	5	CA155eW	7/16/2013	1042.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.09	0.01	--	0.10	139	26	12	NWSW	46.865172	-93.920801	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA155cW	7/26/2013	1042.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	405.1	0.84	--	--	0.84	139	26	12	NESW, NWSW	46.865286	-93.917623		
Cass	Pine River	07010105	5	CA155aW	7/26/2013	1042.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	446.3	1.01	--	--	1.01	139	26	12	NESW, NWSE	46.865153	-93.913523		
Cass	Pine River	07010105	5	CA155aW	7/26/2013	1042.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	99.1	0.07	0.10	--	0.18	139	26	12	NESW, NWSE	46.865153	-93.913523		
Cass	Pine River	07010105	5	CA155kW	7/26/2013	1043.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	139	26	12	NWSE	46.865115	-93.910165		
Cass	Pine River	07010105	5	CA155kW	7/26/2013	1043.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	197.5	0.21	0.23	--	0.44	139	26	12	NWSE	46.865115	-93.910165		
Cass	Pine River	07010105	5	CA155fW	7/27/2013	1043.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	26	12	NESE, NWSE	46.865143	-93.908047		
Cass	Pine River	07010105	5	CA155fW	7/27/2013	1043.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	26	12	NESE, NWSE	46.865143	-93.908047		
Cass	Pine River	07010105	5	CA155fW	7/27/2013	1043.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	37.2	0.02	0.03	--	0.05	139	26	12	NESE, NWSE	46.865143	-93.908047		
Cass	Pine River	07010105	5	CA155gW	7/28/2016	1043.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	196.6	0.60	--	--	0.60	139	26	12	NESE, NESW, NWSE	46.865676	-93.907836		
Cass	Pine River	07010105	5	CA155hW	7/27/2013	1043.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	506.0	1.05	--	--	1.05	139	25, 26	7, 12	NESE, NWSW	46.865311	-93.902662		
Cass	Pine River	07010105	5	CA156aW	7/29/2013	1043.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	25	7	NWSW	46.865128	-93.901244		
Cass	Pine River	07010105	5	CA156aW	7/29/2013	1043.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	120.1	0.24	0.13	--	0.37	139	25	7	NWSW	46.865128	-93.901244		
Cass	Pine River	07010105	5	CA156bW	7/29/2013	1043.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	65.3	0.17	--	--	0.17	139	25	7	NWSW	46.865176	-93.897710		
Cass	Pine River	07010105	5	CA156bW	7/29/2013	1043.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	30.7	0.07	0.03	--	0.10	139	25	7	NWSW	46.865176	-93.897710		
Cass	Pine River	07010105	5	CA156cW	7/29/2013	1043.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	70.6	0.07	--	--	0.07	139	25	7	NESW, NWSW	46.865120	-93.896909		
Cass	Pine River	07010105	5	w-139n25w18-bc	10/7/2019	1043.9	8 - Seasonally Flooded Basin	Type 1- Seasonally flooded basins or floodplains	PEM	--	N/A	--	0.00	--	--	0.00	139	25	18	NWSE	46.851388	-93.891008		
Cass	Pine River	07010105	5	CA156eW	7/30/2013	1043.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	678.4	1.19	--	--	1.19	139	25	7	NESW, NWSE	46.865277	-93.890611		
Cass	Pine River	07010105	5	CA156eW	7/30/2013	1043.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	192.4	0.47	0.24	--	0.71	139	25	7	NESW, NWSE	46.865277	-93.890611		
Cass	Pine River	07010105	5	CA156eW	7/30/2013	1043.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	122.6	0.13	0.14	--	0.27	139	25	7	NESW, NWSE	46.865277	-93.890611	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA156gW	7/30/2013	1044.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	373.2	0.02	0.35	--	0.37	139	25	7	NESE	46.865401	-93.885068		
Cass	Pine River	07010105	5	CA156gW	7/30/2013	1044.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.27	0.06	--	0.33	139	25	7	NESE	46.865401	-93.885068		
Cass	Pine River	07010105	5	CA156gW	7/30/2013	1044.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.02	--	0.04	139	25	7	NESE	46.865401	-93.885068	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA156kW	7/30/2013	1044.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	65.0	0.14	--	--	0.14	139	25	7	NESE	46.865169	-93.882954		
Cass	Pine River	07010105	5	CA157aW	7/31/2013	1044.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	139	25	7, 8	NESE, NWSW	46.865271	-93.881229		
Cass	Pine River	07010105	5	CA157aW	7/31/2013	1044.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	28.1	0.00	0.03	--	0.03	139	25	7, 8	NESE, NWSW	46.865271	-93.881229		
Cass	Pine River	07010105	5	CA157aW	7/31/2013	1044.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	122.5	0.08	0.12	--	0.20	139	25	7, 8	NESE, NWSW	46.865271	-93.881229	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA157cW	7/31/2013	1044.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	122.6	0.32	--	--	0.32	139	25	8	NESW, NWSW	46.865177	-93.875515		
Cass	Pine River	07010105	5	CA157cW	7/31/2013	1044.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	713.8	0.93	0.70	--	1.64	139	25	8	NESW, NWSW	46.865177	-93.875515		
Cass	Pine River	07010105	5	CA157fW	7/31/2013	1044.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.01	--	0.01	139	25	8	NESW	46.865084	-93.870900		
Cass	Pine River	07010105	5	CA157gW	7/31/2013	1045.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	64.0	0.10	--	--	0.10	139	25	8	NWSE	46.865189	-93.866774		
Cass	Pine River	07010105	5	CA157hW	7/31/2013	1045.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	139	25	8	NESE	46.866679	-93.863057		
Cass	Pine River	07010105	5	CA157hW	7/31/2013	1045.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	48.0	0.04	0.03	--	0.07	139	25	8	NESE	46.866679	-93.863057	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA158aW	7/31/2013	1045.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	174.5	0.34	--	--	0.34	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837		
Cass	Pine River	07010105	5	CA158aW	7/31/2013	1045.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	92.2	0.36	--	--	0.36	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Cass	Mississippi River - Grand Rapids	07010103	5	CA158aW	7/31/2013	1045.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	345.7	0.48	0.45	--	0.92	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837		
Cass	Pine River	07010105	5	CA158aW	7/31/2013	1045.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	190.4	0.12	0.18	--	0.31	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837		
Cass	Pine River	07010105	5	CA158aW	7/31/2013	1045.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.07	--	0.07	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Mississippi River - Grand Rapids	07010103	5	CA158aW	7/31/2013	1045.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	393.9	0.33	0.40	--	0.73	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837		
Cass	Pine River	07010105	5	CA158aW	7/31/2013	1045.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	610.4	0.58	0.51	--	1.09	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837		
Cass	Pine River	07010105	5	CA158aW	7/31/2013	1045.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	44.8	0.11	0.05	--	0.16	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837	Forested Seasonal Ponds	
Cass	Pine River	07010105	5	CA158aW	7/31/2013	1045.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.01	--	0.01	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.869784	-93.856837	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Mississippi River - Grand Rapids	07010103	5	CA160aW	7/16/2013	1046.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	162.5	0.19	0.19	--	0.38	139	25	9	NENW	46.873499	-93.850789		
Cass	Mississippi River - Grand Rapids	07010103	5	CA160cW	7/16/2013	1046.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	85.1	0.03	0.10	--	0.13	139	25	9	NENW, NWNE	46.874103	-93.848408		
Cass	Mississippi River - Grand Rapids	07010103	5	CA160cW	7/16/2013	1046.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	106.5	0.11	0.10	--	0.21	139	25	9	NENW, NWNE	46.874103	-93.848408	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA160dW	7/16/2013	1046.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	139	25	9	NWNE	46.874612	-93.846888		
Cass	Mississippi River - Grand Rapids	07010103	5	CA160dW	7/16/2013	1046.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	108.4	0.12	0.10	--	0.23	139	25	9	NWNE	46.874612	-93.846888		
Cass	Mississippi River - Grand Rapids	07010103	5	CA160eW	6/25/2013	1046.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	139	25	4	SWSE	46.876142	-93.843792		
Cass	Mississippi River - Grand Rapids	07010103	5	CA160eW	6/25/2013	1046.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	133.3	0.12	0.11	--	0.23	139	25	4	SWSE	46.876142	-93.843792	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5161b1W	6/24/2013	1046.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	25	4	SESE	46.876814	-93.842193		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5161a1W	6/24/2013	1046.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	371.7	0.75	--	--	0.75	139	25	4	SESE	46.877737	-93.840610		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5161d1W	6/26/2013	1046.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	25	4	SESE	46.878536	-93.838623		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162e1W	6/26/2013	1046.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	25	3	SWSW	46.878879	-93.837985		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162f1W	6/26/2013	1046.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	25	3	NWSW	46.879302	-93.837123		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162d1W	6/26/2013	1046.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	139	25	3	NWSW	46.880030	-93.836200	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162g1W	6/27/2013	1046.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	13.0	0.02	--	--	0.02	139	25	3	NWSW	46.880079	-93.835768		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162g1W	6/27/2013	1046.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	5.9	0.00	0.01	--	0.01	139	25	3	NWSW	46.880079	-93.835768		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162g1W	6/27/2013	1046.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	53.0	0.03	0.05	--	0.08	139	25	3	NWSW	46.880079	-93.835768	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162h1W	6/27/2013	1046.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	58.7	0.08	--	--	0.08	139	25	3	NWSW	46.880581	-93.834577		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162c1W	6/26/2013	1047.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	29.2	0.08	--	--	0.08	139	25	3	NWSW	46.881007	-93.834060		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162c1W	6/26/2013	1047.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	37.4	0.03	0.02	--	0.05	139	25	3	NWSW	46.881007	-93.834060		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162c1W	6/26/2013	1047.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	32.6	0.05	0.02	--	0.07	139	25	3	NWSW	46.881007	-93.834060	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162j1W	6/27/2013	1047.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	139	25	3	NWSW	46.881074	-93.833545		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162k1W	6/27/2013	1047.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	139	25	3	NWSW	46.881543	-93.833073	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA162tW	7/13/2013	1047.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	60.7	0.08	--	--	0.08	139	25	3	NESW, NWSW	46.881941	-93.832072		
Cass	Mississippi River - Grand Rapids	07010103	5	CA162tW	7/13/2013	1047.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	3.1	0.02	0.02	--	0.03	139	25	3	NESW, NWSW	46.881941	-93.832072		
Cass	Mississippi River - Grand Rapids	07010103	5	CA162tW	7/13/2013	1047.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	170.8	0.25	0.18	--	0.43	139	25	3	NESW, NWSW	46.881941	-93.832072	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162m1W	6/28/2013	1047.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	35.8	0.08	0.05	--	0.13	139	25	3	NESW, SENW	46.882677	-93.830593		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162m1W	6/28/2013	1047.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	25.8	0.01	0.02	--	0.03	139	25	3	NESW, SENW	46.882677	-93.830593	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162n1W	6/28/2013	1047.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	28.0	0.03	--	--	0.03	139	25	3	SENW	46.883014	-93.829704		

Line 3 Replacement Project  
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Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162o1W	6/28/2013	1047.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.04	--	0.05	139	25	3	SENW	46.882903	-93.830103	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162r1W	6/29/2013	1047.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	139	25	3	SENW, SWNE	46.884003	-93.827892		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162r1W	6/29/2013	1047.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	199.4	0.12	0.25	--	0.37	139	25	3	SENW, SWNE	46.884003	-93.827892		
Cass	Mississippi River - Grand Rapids	07010103	5	CAC5162r1W	6/29/2013	1047.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	173.9	0.17	0.17	--	0.33	139	25	3	SENW, SWNE	46.884003	-93.827892	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA162fW	7/12/2013	1047.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	139	25	3	SWNE	46.884984	-93.826519		
Cass	Mississippi River - Grand Rapids	07010103	5	CA162fW	7/12/2013	1047.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	139	25	3	SWNE	46.884984	-93.826519	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA162dW	7/12/2013	1047.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	139	25	3	SWNE	46.884402	-93.822449		
Cass	Mississippi River - Grand Rapids	07010103	5	CA162dW	7/12/2013	1047.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	103.5	0.03	0.06	--	0.09	139	25	3	SWNE	46.884402	-93.822449		
Cass	Mississippi River - Grand Rapids	07010103	5	CA162dW	7/12/2013	1047.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	31.1	0.05	0.02	--	0.07	139	25	3	SWNE	46.884402	-93.822449	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA162eW	7/12/2013	1047.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	60.2	0.06	--	--	0.06	139	25	3	SWNE	46.884423	-93.823172		
Cass	Mississippi River - Grand Rapids	07010103	5	CA163aW	7/10/2013	1048.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	231.9	0.48	--	--	0.48	139	25	2	SWNW	46.883428	-93.814662		
Cass	Mississippi River - Grand Rapids	07010103	5	CA163aW	7/10/2013	1048.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	61.1	0.07	0.06	--	0.14	139	25	2	SWNW	46.883428	-93.814662		
Cass	Mississippi River - Grand Rapids	07010103	5	CA163bW	7/10/2013	1048.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	0.03	--	0.11	139	25	2	SWNW	46.883146	-93.811977	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Mississippi River - Grand Rapids	07010103	5	CA163dW	7/11/2013	1048.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	139	25	2	SENW	46.882920	-93.809659	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA163fW	7/11/2013	1048.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	7.8	0.02	--	--	0.02	139	25	2	NESW, SENW	46.882530	-93.807759		
Cass	Mississippi River - Grand Rapids	07010103	5	CA163fW	7/11/2013	1048.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	43.7	0.05	--	--	0.05	139	25	2	NESW, SENW	46.882530	-93.807759	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Mississippi River - Grand Rapids	07010103	5	CA165aW	7/11/2013	1049.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	139	25	1	NESW	46.880360	-93.789226		
Cass	Mississippi River - Grand Rapids	07010103	5	CA165dW	7/11/2013	1049.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.00	--	--	0.00	139	25	1	NESW	46.880322	-93.788872		
Cass	Mississippi River - Grand Rapids	07010103	5	CA165fW	7/11/2013	1049.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	9.5	0.02	--	--	0.02	139	25	1	NESW	46.880014	-93.787664		
Cass	Mississippi River - Grand Rapids	07010103	5	CA165fW	7/11/2013	1049.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	90.9	--	0.01	--	0.01	139	25	1	NESW	46.880014	-93.787664		
Cass	Mississippi River - Grand Rapids	07010103	5	CA165fW	7/11/2013	1049.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	90.9	0.12	0.09	--	0.21	139	25	1	NESW	46.880014	-93.787664	Forested Seasonal Ponds	
Cass	Mississippi River - Grand Rapids	07010103	5	CA166aW	7/11/2013	1049.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.26	--	--	0.26	139	25	1	NESE, NESW, NWSE	46.879368	-93.782677	Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Mississippi River - Grand Rapids	07010103	5	CA166aW	7/11/2013	1049.5	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,452.9	1.48	1.42	--	2.89	139	25	1	NESE, NESW, NWSE	46.879368	-93.782677	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	CA166cW	7/12/2013	1049.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	0.5	0.00	--	--	0.00	0, 139	0, 25	0, 1	0, NESE, SESE	46.878555	-93.776011	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	CA166cW	7/12/2013	1049.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	10.0	0.02	--	--	0.02	0, 139	0, 25	0, 1	0, NESE, SESE	46.878555	-93.776011	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters	
Cass	Mississippi River - Grand Rapids	07010103	5	CA166cW	7/12/2013	1049.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	441.4	0.89	--	--	0.89	0, 139	0, 25	0, 1	0, NESE, SESE	46.878555	-93.776011	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI001aW	9/21/2013	1049.9	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	Open Cut	N/A	51.2	0.10	0.06	--	0.15	51	27	28	NENW	46.878338	-93.774331	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI001aW	9/21/2013	1049.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	27	28	NENW	46.878338	-93.774331	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002cW	8/21/2013	1050.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	51	27	28	NWSE, SWNE	46.877939	-93.771180	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002cW	8/21/2013	1050.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	27	28	NWSE, SWNE	46.877939	-93.771180	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002cW	8/21/2013	1050.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	83.5	0.00	0.05	--	0.05	51	27	28	NWSE, SWNE	46.877939	-93.771180	Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002cW	8/21/2013	1050.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	80.5	0.06	0.06	--	0.13	51	27	28	NWSE, SWNE	46.877939	-93.771180	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002bW	8/22/2013	1050.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.05	--	--	0.05	51	27	28	NESE, NWSE, SWNE	46.877672	-93.768790	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002bW	8/22/2013	1050.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	27	28	NESE, NWSE, SWNE	46.877672	-93.768790	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002bW	8/22/2013	1050.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	82.5	0.08	0.06	--	0.15	51	27	28	NESE, NWSE, SWNE	46.877672	-93.768790	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI002bW	8/22/2013	1050.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	33.5	0.02	0.02	--	0.04	51	27	28	NESE, NWSE, SWNE	46.877672	-93.768790	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI003bW	8/21/2013	1050.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	27	28	NWSE	46.877531	-93.767956	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI003bW	8/21/2013	1050.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	132.1	0.12	0.15	--	0.27	51	27	28	NWSE	46.877531	-93.767956	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI003aW	8/21/2013	1050.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	155.6	0.27	--	--	0.27	51	27	28	NESE	46.877258	-93.765383	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004eW	8/21/2013	1050.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	44.3	0.11	--	--	0.11	51	27	27, 28	NESE, NWSW	46.876866	-93.762353		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004eW	8/21/2013	1050.5	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	7.3	0.02	--	--	0.02	51	27	27, 28	NESE, NWSW	46.876866	-93.762353		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004cW	8/21/2013	1050.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	39.3	0.12	--	--	0.12	51	27	27	NESW	46.875821	-93.754295	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004aW	8/21/2013	1051.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.11	--	--	0.11	51	27	27	NESW, NWSE	46.875505	-93.751755	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004aW	8/21/2013	1051.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	27	27	NESW, NWSE	46.875505	-93.751755	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004aW	8/21/2013	1051.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	27	27	NESW, NWSE	46.875505	-93.751755	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI004aW	8/21/2013	1051.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	293.4	0.17	0.24	--	0.41	51	27	27	NESW, NWSE	46.875505	-93.751755	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	1,050.6	2.18	--	--	2.18	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	151.7	0.52	--	--	0.52	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	536.8	0.31	0.61	--	0.92	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	106.3	--	0.06	--	0.06	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.00	--	0.05	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	17.9	0.07	0.03	--	0.10	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005cW	8/21/2013	1051.4	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.03	0.00	--	0.03	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.874494	-93.743676	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI005dW	8/20/2013	1051.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	27	26	SWSW	46.873860	-93.739627	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI006bW	8/20/2013	1051.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	27	26	SESW	46.873258	-93.734724	Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Aitkin	Mississippi River - Grand Rapids	07010103	5	AI008bW	8/19/2013	1052.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	27	26	SESW, SWSE	46.872896	-93.731341	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI008bW	8/19/2013	1052.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.10	--	--	0.10	51	27	26	SESW, SWSE	46.872896	-93.731341	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI008bW	8/19/2013	1052.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	93.1	--	0.11	--	0.11	51	27	26	SESW, SWSE	46.872896	-93.731341	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI014aW	8/19/2013	1052.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	51	27	26	SWSE	46.872553	-93.727534	Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI016bW	8/19/2013	1052.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	27.2	0.04	--	--	0.04	51	27	26	SESE	46.872097	-93.723116		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI016bW	8/19/2013	1052.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	27	26	SESE	46.872097	-93.723116		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI016bW	8/19/2013	1052.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	27	26	SESE	46.872097	-93.723116	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI017cW	8/19/2013	1052.6	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	2.4	0.02	--	--	0.02	51	27	25	SWSW	46.871269	-93.719106		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI017eW	8/19/2013	1052.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	41.1	0.05	--	--	0.05	51	27	25	SESW, SWSW	46.870820	-93.715458		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI018bW	8/20/2013	1052.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	51	27	25	SESW	46.870886	-93.714496		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI018bW	8/20/2013	1052.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	51	27	25	SESW	46.870886	-93.714496	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI019bW	9/21/2013	1052.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	27	25	SESW	46.870648	-93.714293		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI019aW	9/21/2013	1052.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	27	36	NENW	46.870463	-93.712781		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI018cW	9/21/2013	1053.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.20	--	--	0.20	51	27	36	NENW, NWNE	46.870173	-93.709894	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI018cW	9/21/2013	1053.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	102.1	--	0.11	--	0.11	51	27	36	NENW, NWNE	46.870173	-93.709894	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI018cW	9/21/2013	1053.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	435.3	0.43	0.30	--	0.73	51	27	36	NENW, NWNE	46.870173	-93.709894	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI018cW	9/21/2013	1053.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	51	27	36	NENW, NWNE	46.870173	-93.709894	Wetlands with Known Occurrences of MDNR State-Listed Species, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI020bW	8/21/2013	1053.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	667.6	1.27	--	--	1.27	51	27	36	NENE	46.869226	-93.702396	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI020bW	8/21/2013	1053.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	195.6	0.20	0.23	--	0.43	51	27	36	NENE	46.869226	-93.702396	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI021aW	8/21/2013	1053.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	51	26	31	NWNW	46.868782	-93.698300		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI021bW	8/21/2013	1053.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	107.8	0.15	--	--	0.15	51	26	31	NWNW	46.868650	-93.697878		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI022aW	8/21/2013	1053.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	106.2	0.24	--	--	0.24	51	26	31	NENW	46.867895	-93.691904		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w31-p	8/31/2017	1054.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.46	0.46	51	26	31	NWNE	46.869133	-93.686388		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w31-p	8/31/2017	1054.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.09	0.09	51	26	31	NWNE	46.869133	-93.686388	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w31-n	8/30/2017	1054.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.00	0.00	51	26	31	NENE	46.870645	-93.681595		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w31-o	8/30/2017	1054.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.13	0.13	51	26	31	NWNE	46.869003	-93.684791		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI025bW	8/21/2013	1054.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.02	0.02	0.09	51	26	31	SENE, SWNE	46.866888	-93.682925	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI025aW	8/30/2017	1054.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	12.5	0.05	--	--	0.05	51	26	31	NENE, NWNE, SENE	46.867550	-93.680057		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI025aW	8/30/2017	1054.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.05	0.05	51	26	31	NENE, NWNE, SENE	46.867550	-93.680057		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI025aW	8/30/2017	1054.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	593.2	0.62	0.69	0.05	1.37	51	26	31	NENE, NWNE, SENE	46.867550	-93.680057		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI025aW	8/30/2017	1054.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.19	0.19	51	26	31	NENE, NWNE, SENE	46.867550	-93.680057	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-bc	9/28/2018	1054.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	0.00	0.00	51	26	31	NENE	46.870798	-93.677838		
Aitkin	Mississippi River - Grand Rapids	07010103	5	AI027aW	8/19/2017	1054.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	450.3	1.01	--	--	1.01	51	26	31, 32	SENE, SWNW	46.866053	-93.676880		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	A1027aW	8/19/2017	1054.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	97.5	0.09	0.11	--	0.20	51	26	31, 32	SENE, SWNW	46.866053	-93.676880		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	70.7	0.20	--	--	0.20	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	157.9	0.16	0.20	--	0.36	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Forested Seasonal Ponds, Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	737.7	0.65	0.84	--	1.49	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	23.8	0.03	0.04	--	0.07	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Wetlands with Known Occurrences of MDNR State-Listed Species, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	136.3	0.14	0.18	--	0.33	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Wetlands with Known Occurrences of MDNR State-Listed Species	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-a	7/19/2018	1055.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	130.9	0.14	0.13	--	0.27	51	26	32	SENW, SWNE, SWNW	46.865406	-93.669132	Wetlands with Known Occurrences of MDNR State-Listed Species, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-b	8/21/2017	1055.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	26	32	SWNE	46.865125	-93.664011	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-b	8/21/2017	1055.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	174.2	0.14	0.22	--	0.36	51	26	32	SWNE	46.865125	-93.664011	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-b	8/21/2017	1055.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	51.3	0.02	0.05	--	0.07	51	26	32	SWNE	46.865125	-93.664011	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	316.6	0.66	--	--	0.66	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	762.9	1.19	--	--	1.19	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	1,012.9	2.99	--	--	2.99	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.10	--	--	0.10	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	154.0	0.07	0.18	--	0.25	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	28.2	--	0.04	--	0.04	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	0.2	0.02	0.01	--	0.03	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.09	--	--	0.09	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	50.1	0.10	0.07	--	0.17	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	77.6	0.19	0.08	--	0.28	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w32-c	9/28/2018	1056.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	303.7	0.26	0.34	--	0.60	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.856077	-93.644114	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-a	9/28/2018	1056.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.853623	-93.637690	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-a	9/28/2018	1056.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	--	--	0.07	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.853623	-93.637690	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-a	9/28/2018	1056.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	438.8	0.42	0.51	--	0.93	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.853623	-93.637690	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.43	--	--	0.43	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	650.5	1.02	--	--	1.02	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	Public Water Inventory (Public Water Basin - Moose Lake)	44.4	0.04	--	--	0.04	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.08	--	--	0.08	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	165.9	0.03	0.18	--	0.21	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	140.5	0.28	0.18	--	0.46	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.07	--	--	0.07	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	801.2	1.23	0.92	--	2.15	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	1,036.4	0.10	1.19	--	1.29	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w33-b	8/8/2018	1056.9	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	367.7	2.20	0.43	--	2.63	51	26	33, 34	NESW, NWSW, SENE, SENW, SWNE, SWNW	46.863625	-93.631000	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-a	8/8/2018	1057.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	1.71	--	--	1.71	51	26	34	NESE, SENE, SWNE	46.863138	-93.616556	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-a	8/8/2018	1057.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	51	26	34	NESE, SENE, SWNE	46.863138	-93.616556	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-a	8/8/2018	1057.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / Bore Pit	N/A	1,047.6	1.11	1.20	--	2.31	51	26	34	NESE, SENE, SWNE	46.863138	-93.616556	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-a	8/8/2018	1057.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.20	--	--	0.20	51	26	34	NESE, SENE, SWNE	46.863138	-93.616556	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-a	8/8/2018	1057.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	478.6	0.14	0.51	--	0.66	51	26	34	NESE, SENE, SWNE	46.863138	-93.616556	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	3.34	--	--	3.34	51	26	34	NESE, SESE	46.860024	-93.614710		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	--	--	0.08	51	26	34	NESE, SESE	46.860024	-93.614710		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	26	34	NESE, SESE	46.860024	-93.614710		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	26	34	NESE, SESE	46.860024	-93.614710		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	838.2	1.81	--	--	1.81	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	549.4	1.26	--	--	1.26	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	121.5	0.27	--	--	0.27	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	353.0	0.61	0.41	--	1.02	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	313.0	0.38	0.39	--	0.78	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	511.6	0.52	0.57	--	1.09	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w35-a	6/18/2019	1058.5	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	1,421.4	1.49	1.63	--	3.12	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.867301	-93.597368		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	2,853.0	6.25	--	--	6.25	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	391.7	0.85	--	--	0.85	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	115.1	0.13	0.13	--	0.26	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	696.0	0.77	0.84	--	1.61	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	822.9	0.84	0.95	--	1.79	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	29.8	0.03	0.03	--	0.06	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	1,370.5	1.94	1.56	--	3.51	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	2,006.4	1.96	2.29	--	4.25	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	4A - Open Bog	Type 8 - Bog	PEM	Wet Push Pull	N/A	1,133.5	2.48	--	--	2.48	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	4A - Open Bog	Type 8 - Bog	PEM	--	N/A	--	0.15	--	--	0.15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	4A - Open Bog	Type 8 - Bog	PEM	Wet Push Pull	N/A	426.4	0.78	--	--	0.78	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n26w36-a	8/25/2017	1060.7	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	1,044.5	1.06	1.20	--	2.25	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.861685	-93.551546	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w33-d	8/22/2017	1061.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	51	25	33	NWSW	46.861613	-93.528213		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w33-e	8/22/2017	1061.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	0.01	0.02	51	25	33	NWSW	46.860868	-93.528089		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	96.6	0.24	--	--	0.24	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	485.4	2.92	--	--	2.92	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885	Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	25.1	0.04	--	--	0.04	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	708.6	0.64	0.73	--	1.37	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	619.5	--	0.71	--	0.71	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885	Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	116.0	0.78	0.15	--	0.92	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	1,252.3	1.09	1.28	--	2.37	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	3,083.4	3.05	3.42	--	6.47	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.09	--	--	0.09	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885	Wetlands with S1, S2, or S3 Native Plant Communities, Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	582.1	0.48	0.65	--	1.13	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,368.3	1.07	1.51	--	2.58	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-e	6/3/2019	1062.9	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	2,202.1	2.28	2.37	--	4.65	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.860165	-93.503885		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-d	8/29/2017	1064.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	25	35	NWSW	46.859385	-93.481824		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-b	8/29/2017	1064.3	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	106.1	0.12	0.12	--	0.24	51	25	35	NESW, NWSE	46.859303	-93.475927		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-b	8/29/2017	1064.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	188.8	0.23	0.22	--	0.45	51	25	35	NESW, NWSE	46.859303	-93.475927		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-b	8/29/2017	1064.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	71.0	0.03	0.08	--	0.10	51	25	35	NESW, NWSE	46.859303	-93.475927	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w35-a	8/29/2017	1064.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	48.1	0.08	--	--	0.08	51	25	35	NESE	46.858996	-93.469061		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.41	--	--	0.41	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.17	--	--	0.17	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	36.2	0.05	0.04	--	0.09	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162		

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	274.7	0.30	0.32	--	0.62	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	286.8	0.22	0.32	--	0.54	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	932.8	0.67	0.99	--	1.66	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	169.2	0.10	0.13	--	0.23	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.00	--	0.00	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.13	--	--	0.13	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	117.3	0.07	0.13	--	0.20	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	150.0	0.06	0.19	--	0.25	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.00	--	--	0.00	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	416.0	0.42	0.48	--	0.89	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.00	--	--	0.00	51	25	35, 36	NESE, NESW, NWSW	46.858845	-93.462162	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	HDD (Willow River MP 1066.4) / Water Appropriation	N/A	932.7	0.63	1.21	0.31	2.15	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	1.24	--	--	1.24	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	23.8	0.16	--	--	0.16	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	44.8	1.02	--	--	1.02	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	0.9	--	0.01	--	0.01	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	522.0	0.48	0.55	--	1.03	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	120.0	0.05	0.12	--	0.18	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	143.7	--	0.16	--	0.16	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	796.2	0.64	0.83	--	1.47	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / HDD (Willow River MP 1066.4)	N/A	2,292.9	2.72	2.63	--	5.35	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / HDD (Willow River MP 1066.4)	N/A	129.4	0.15	0.15	--	0.30	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.14	--	--	0.14	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNW, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / HDD (Willow River MP 1066.4)	N/A	1,212.1	0.72	1.37	--	2.08	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNW, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut / HDD (Willow River MP 1066.4)	N/A	113.7	0.09	0.10	--	0.19	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNW, NWSW, SENE, SENW, SWNE, SWNW	46.862786	-93.436342	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-bd	9/27/2018	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	51	24	31	NESW	46.861067	-93.436485		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-be	9/27/2018	1066.2	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.18	--	--	0.18	51	24	31	NESW, SENW	46.861756	-93.436584		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w31-cc	9/27/2018	1066.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.34	--	0.10	0.43	51	24	31	SWNE	46.861945	-93.427193		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w32-a	8/28/2017	1067.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	492.5	0.54	0.57	--	1.11	51	24	32	NWNW	46.868551	-93.419490		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w32-a	8/28/2017	1067.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	560.6	0.59	0.64	--	1.24	51	24	32	NWNW	46.868551	-93.419490	Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	469.0	1.09	--	--	1.09	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	47.1	0.85	--	--	0.85	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	1,542.6	2.10	1.78	--	3.89	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	4,017.0	4.10	4.52	--	8.62	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,662.2	1.79	1.77	--	3.56	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	0.02	--	0.07	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-a	6/3/2019	1068.1	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	141.0	0.18	0.17	--	0.34	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.872272	-93.400127		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-e	7/23/2018	1068.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	41.2	0.83	--	--	0.83	51	24	28	NWSE, SWSE	46.872982	-93.388136		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-e	7/23/2018	1068.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	85.4	0.02	0.05	--	0.07	51	24	28	NWSE, SWSE	46.872982	-93.388136		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w28-e	7/23/2018	1068.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	180.4	0.08	0.17	--	0.25	51	24	28	NWSE, SWSE	46.872982	-93.388136	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-d	8/26/2017	1069.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Mississippi River MP 1069.6) / Open Cut	N/A	122.0	0.34	--	0.00	0.34	51	24	27	NESW, NWSW	46.873500	-93.373366		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-d	8/26/2017	1069.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Mississippi River MP 1069.6) / Open Cut	N/A	473.6	0.66	0.51	0.07	1.24	51	24	27	NESW, NWSW	46.873500	-93.373366		

Line 3 Replacement Project  
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Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-d	8/26/2017	1069.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	HDD (Mississippi River MP 1069.6) / Open Cut	N/A	731.8	0.86	0.82	0.00	1.68	51	24	27	NESW, NWSW	46.873500	-93.373366		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-hf	6/26/2019	1069.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.02	--	--	0.02	51	24	27	NESW	46.874762	-93.371184		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-b	8/25/2017	1069.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Mississippi River MP 1069.6)	N/A	215.3	--	0.15	--	0.15	51	24	27	NESW, NWSE	46.873396	-93.367883		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-b	8/25/2017	1069.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Mississippi River MP 1069.6)	N/A	74.5	--	0.05	--	0.05	51	24	27	NESW, NWSE	46.873396	-93.367883	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-a	8/25/2017	1069.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Mississippi River MP 1069.6) / Water Appropriation	N/A	17.1	0.01	--	--	0.01	51	24	27	0	46.873368	-93.365492		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-c	8/25/2017	1069.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Mississippi River MP 1069.6)	N/A	95.1	--	0.07	--	0.07	51	24	27	NWSE	46.873375	-93.366159		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-c	8/25/2017	1069.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (Mississippi River MP 1069.6)	N/A	33.9	--	0.02	--	0.02	51	24	27	NWSE	46.873375	-93.366159	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w27-g	8/30/2017	1069.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (Mississippi River MP 1069.6) / Water Appropriation	N/A	13.4	0.01	--	--	0.01	51	24	27	0	46.873360	-93.364783		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	57.4	0.31	--	--	0.31	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull / Open Cut	N/A	1,379.0	1.52	1.58	--	3.10	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Bore	N/A	72.5	0.27	0.09	--	0.37	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	21.3	0.06	0.03	--	0.09	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	320.7	1.05	0.40	--	1.45	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-a	5/30/2019	1070.6	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.10	0.00	--	0.10	51	24	26	NESW, NWSE, NWSW	46.873168	-93.347560	Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-da	10/12/2018	1070.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	24	26	NWSE	46.875529	-93.342034		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-ee	8/10/2018	1070.9	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.03	--	--	0.03	51	24	26	SESE	46.869972	-93.340521		
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit / Beaver Dam	N/A	100.7	0.32	--	--	0.32	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut / Beaver Dam	N/A	31.9	0.08	--	--	0.08	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut / Beaver Dam	N/A	35.9	0.08	--	--	0.08	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Bore	N/A	32.3	0.11	0.04	--	0.15	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	164.2	0.21	0.26	--	0.46	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	590.3	1.36	0.66	--	2.02	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w26-aa	8/31/2017	1071.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	63.7	--	0.05	--	0.05	51	24	25, 26	NESE, NWSW	46.873096	-93.338615	Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-c	8/31/2017	1071.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	24	25	NESW	46.872821	-93.327767	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-d	8/31/2017	1071.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	90.9	0.10	--	--	0.10	51	24	25	NESW, NWSE	46.872895	-93.326094	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-d	8/31/2017	1071.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	1.3	0.10	--	--	0.10	51	24	25	NESW, NWSE	46.872895	-93.326094	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-e	8/31/2017	1071.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.15	--	--	0.15	51	24	25	NWSE	46.872950	-93.324267	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-e	8/31/2017	1071.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	89.1	--	0.10	--	0.10	51	24	25	NWSE	46.872950	-93.324267	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Trout Streams	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	71.3	0.12	--	--	0.12	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	4A - Open Bog	Type 8 - Bog	PEM	--	N/A	--	0.02	--	--	0.02	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	1,084.5	1.20	1.24	--	2.44	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.13	--	--	0.13	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n24w25-f	9/1/2017	1072.1	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	203.9	0.20	0.24	--	0.44	51	23, 24	25, 30	NESE, NWSW	46.872938	-93.314566	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-a	9/1/2017	1072.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	23	30	NESW	46.872628	-93.308456	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-b	9/1/2017	1072.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.01	--	--	0.01	51	23	30	NESW, NWSE	46.872619	-93.303600	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-b	9/1/2017	1072.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	23	30	NESW, NWSE	46.872619	-93.303600	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-b	9/1/2017	1072.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	703.0	0.71	0.80	--	1.51	51	23	30	NESW, NWSE	46.872619	-93.303600	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-d	9/1/2017	1072.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	23	30	NWSE	46.872659	-93.300531	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-d	9/1/2017	1072.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	0.1	0.03	0.00	--	0.03	51	23	30	NWSE	46.872659	-93.300531	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-d	9/1/2017	1072.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	106.1	0.08	0.11	--	0.19	51	23	30	NWSE	46.872659	-93.300531	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-d	9/1/2017	1072.8	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.10	0.01	--	0.12	51	23	30	NWSE	46.872659	-93.300531	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-e	9/1/2017	1072.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.07	--	--	0.07	51	23	30	NESE, NWSE	46.872585	-93.298911	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-e	9/1/2017	1072.9	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	557.5	0.51	0.64	--	1.14	51	23	30	NESE, NWSE	46.872585	-93.298911	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-f	9/1/2017	1073.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.01	--	--	0.01	51	23	30	NESE	46.872460	-93.296446	Wetlands with High or Outstanding Biodiversity Sites	



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-g	9/1/2017	1073.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	51	23	30	NESE	46.872514	-93.295512	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-g	9/1/2017	1073.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	67.1	0.04	0.08	--	0.12	51	23	30	NESE	46.872514	-93.295512	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-h	9/1/2017	1073.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	23	29, 30	NESE, NWSW	46.872691	-93.293516	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w30-h	9/1/2017	1073.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	0.01	--	0.02	51	23	29, 30	NESE, NWSW	46.872691	-93.293516	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-a	8/15/2018	1073.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	330.9	0.52	0.38	--	0.90	51	23	29	NWSW	46.873340	-93.291881	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-c	8/15/2018	1073.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	343.9	0.28	0.37	--	0.65	51	23	29	NESW, NWSW	46.873921	-93.288345	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-c	8/15/2018	1073.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.02	--	0.05	51	23	29	NESW, NWSW	46.873921	-93.288345	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-b	9/14/2018	1073.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	72.8	0.06	0.08	--	0.14	51	23	29	NESW, NWSE	46.873892	-93.283936	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-b	9/14/2018	1073.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	24.1	0.06	0.03	--	0.09	51	23	29	NESW, NWSE	46.873892	-93.283936	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-d	9/1/2017	1073.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	23	29	NESW	46.873986	-93.284288	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	135.7	0.23	--	--	0.23	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	609.0	0.66	0.70	--	1.36	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	--	0.01	--	0.01	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	80.2	--	0.06	--	0.06	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	HCVF Wetlands, Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.02	--	--	0.02	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	--	0.00	--	0.00	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	61.5	0.06	0.07	--	0.13	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.02	--	--	0.02	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.04	0.00	--	0.04	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds, HCVF Wetlands	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	45.2	0.03	0.05	--	0.08	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w29-f	9/2/2017	1074.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	29.3	0.03	0.05	--	0.08	51	23	28, 29	NESE, NWSW	46.872710	-93.271978	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	51	23	28	NESW, NWSE	46.872927	-93.263241	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.01	--	0.01	51	23	28	NESW, NWSE	46.872927	-93.263241	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	178.4	0.16	0.20	--	0.36	51	23	28	NESW, NWSE	46.872927	-93.263241	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	23	28	NESW, NWSE	46.872927	-93.263241	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	53.8	--	0.05	--	0.05	51	23	28	NESW, NWSE	46.872927	-93.263241	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.01	--	0.03	51	23	28	NESW, NWSE	46.872927	-93.263241	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	294.5	0.26	--	--	0.26	51	23	28	NWSE	46.873629	-93.259123	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.17	--	--	0.17	51	23	28	NWSE	46.873629	-93.259123	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.06	--	--	0.06	51	23	28	NWSE	46.873629	-93.259123	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	98.7	0.09	--	--	0.09	51	23	28	NWSE	46.873629	-93.259123	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.43	--	--	0.43	51	23	28	NWSE	46.873629	-93.259123	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	522.5	0.74	--	--	0.74	51	23	28	NWSE	46.873629	-93.259123	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-c	8/11/2018	1074.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	120.6	0.28	--	--	0.28	51	23	28	NWSE	46.873629	-93.259123	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-d	9/2/2017	1075.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	23	28	NESE, SENE	46.874787	-93.255374	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-d	9/2/2017	1075.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.18	--	--	0.18	51	23	28	NESE, SENE	46.874787	-93.255374	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-d	9/2/2017	1075.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	446.8	0.85	--	--	0.85	51	23	28	NESE, SENE	46.874787	-93.255374	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-e	7/13/2018	1075.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	51	23	28	NESE, SENE	46.875396	-93.253630	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w28-e	7/13/2018	1075.1	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	271.2	0.24	0.31	--	0.56	51	23	28	NESE, SENE	46.875396	-93.253630	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-a	9/5/2017	1075.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	14.6	0.05	0.02	--	0.07	51	23	27	SWNW	46.876083	-93.250973	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, F	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-c	9/5/2017	1075.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	142.0	0.15	0.17	--	0.32	51	23	27	SWNW	46.877019	-93.247776	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-c	9/5/2017	1075.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	51	23	27	SWNW	46.877019	-93.247776	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-c	9/5/2017	1075.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	397.6	--	0.45	--	0.45	51	23	27	SWNW	46.877019	-93.247776	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-c	9/5/2017	1075.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.36	--	--	0.36	51	23	27	SWNW	46.877019	-93.247776	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-c	9/5/2017	1075.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	0.01	--	0.04	51	23	27	SWNW	46.877019	-93.247776	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-e	9/5/2017	1075.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	80.9	0.09	--	--	0.09	51	23	27	SENW	46.877791	-93.245169	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-e	9/5/2017	1075.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.09	--	--	0.09	51	23	27	SENW	46.877791	-93.245169	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-e	9/5/2017	1075.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	284.9	0.61	--	--	0.61	51	23	27	SENW	46.877791	-93.245169	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.20	--	--	0.20	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	579.9	0.67	--	--	0.67	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.39	--	--	0.39	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	177.3	0.38	--	--	0.38	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.13	--	--	0.13	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	353.6	0.65	--	--	0.65	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.20	--	--	0.20	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	--	--	0.08	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	881.2	0.87	0.99	--	1.86	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.02	--	0.04	51	23	27	NENE, NENW, NWNE, SENW	46.879605	-93.239365	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-g	9/6/2017	1076.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.05	--	--	0.05	51	23	22, 23, 27	NENE, SESE, SWSW	46.882018	-93.231574	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-g	9/6/2017	1076.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	0.5	--	0.00	--	0.00	51	23	22, 23, 27	NENE, SESE, SWSW	46.882018	-93.231574	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-g	9/6/2017	1076.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.15	--	--	0.15	51	23	22, 23, 27	NENE, SESE, SWSW	46.882018	-93.231574	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, HCVF Wetlands, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-g	9/6/2017	1076.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	350.0	0.24	0.37	--	0.61	51	23	22, 23, 27	NENE, SESE, SWSW	46.882018	-93.231574	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w27-g	9/6/2017	1076.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	20.1	0.00	0.05	--	0.05	51	23	22, 23, 27	NENE, SESE, SWSW	46.882018	-93.231574	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, HCVF Wetlands	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-a	9/6/2017	1076.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	45.1	--	0.05	--	0.05	51	23	23	SWSW	46.882536	-93.229992	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-a	9/6/2017	1076.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	23.0	0.00	0.01	--	0.02	51	23	23	SWSW	46.882536	-93.229992	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-a	9/6/2017	1076.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	--	--	0.08	51	23	23	SWSW	46.882536	-93.229992	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.11	--	--	0.11	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.03	--	0.03	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	57.8	--	0.06	--	0.06	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	120.9	0.01	0.11	--	0.12	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	133.0	--	0.15	--	0.15	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Na	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding B	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands with High or Outstand	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.10	--	--	0.10	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.29	--	--	0.29	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	0.02	--	0.10	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	68.9	0.11	0.07	--	0.18	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	436.8	--	0.47	--	0.47	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding B	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	346.2	0.26	0.40	--	0.65	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-c	7/11/2018	1076.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	133.9	0.22	0.15	--	0.36	51	23	23	NESW, SESW, SWSW	46.884231	-93.224819	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, F	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.06	--	--	0.06	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.06	--	--	0.06	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	34.3	0.03	--	--	0.03	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	201.5	0.22	--	--	0.22	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	177.6	0.49	--	--	0.49	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	3.2	0.04	--	--	0.04	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.01	--	--	0.01	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-d	7/11/2018	1077.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.00	--	--	0.00	51	23	23	NESE, NWSE, SESE, SWSE	46.885814	-93.216009	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.91	--	--	0.91	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	1.89	--	--	1.89	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	6.2	0.26	--	--	0.26	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.23	--	--	0.23	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	Mississippi River - Grand Rapids	07010103	5	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	127.9	0.19	0.15	--	0.34	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	327.7	0.25	0.28	--	0.53	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	82.0	--	0.09	--	0.09	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.00	--	0.00	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	198.1	0.10	0.22	--	0.32	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.24	--	--	0.24	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	827.6	1.07	0.95	--	2.02	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	33.6	0.18	0.03	--	0.21	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.17	--	--	0.17	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet Push Pull	N/A	645.5	0.24	0.74	--	0.98	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters	
Aitkin	St. Louis River	04010201	1	w-51n23w23-e	9/24/2018	1077.3	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.25	--	--	0.25	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.885891	-93.209497	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	
Aitkin	St. Louis River	04010201	1	w-51n23w24-a	9/6/2017	1077.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	51	23	24	NESW, NWSE, SESW, SWSE	46.885342	-93.199468	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-a	9/6/2017	1077.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	198.5	0.25	0.20	--	0.45	51	23	24	NESW, NWSE, SESW, SWSE	46.885342	-93.199468	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-a	9/6/2017	1077.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	118.6	0.16	0.14	--	0.30	51	23	24	NESW, NWSE, SESW, SWSE	46.885342	-93.199468	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	St. Louis River	04010201	1	w-51n22w18-g	6/26/2018	1078.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	51	22, 23	13, 18	NWSW, NESE	46.901151	-93.189539	Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
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County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w18-g	6/26/2018	1078.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	51	22, 23	13, 18	NWSW, NESE	46.901151	-93.189539	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-c	9/7/2017	1078.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	23	24	NESE, SESE	46.885228	-93.193215	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-c	9/7/2017	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	51	23	24	NESE, SESE	46.885228	-93.193215	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-c	9/7/2017	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	33.5	0.04	0.04	--	0.08	51	23	24	NESE, SESE	46.885228	-93.193215	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-c	9/7/2017	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	118.6	0.03	0.13	--	0.17	51	23	24	NESE, SESE	46.885228	-93.193215	Wetlands with High or Outstanding Biodiversity Sites, Forested Seasonal Ponds	
Aitkin	St. Louis River	04010201	1	w-51n23w24-ai	8/17/2018	1078.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	51	23	24	SESE	46.884205	-93.189558	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-d	8/17/2018	1078.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	51	22	19	SWSW	46.884212	-93.186902	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n23w24-d	8/17/2018	1078.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	33.9	--	0.04	--	0.04	51	22	19	SWSW	46.884212	-93.186902	Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n23w24-d	8/17/2018	1078.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	22	19	SWSW	46.884212	-93.186902	Old Growth Forested Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n23w24-d	8/17/2018	1078.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	--	--	0.08	51	22	19	SWSW	46.884212	-93.186902	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w18-e	8/22/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	51	22	18	NWSW	46.900902	-93.184686	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w18-j	6/15/2019	1078.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.06	--	--	0.06	51	22	18, 19	NWNW, SWSW	46.896153	-93.181285	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp, Wetlands with S1, S2, or S3 Native Plant Communities	

Line 3 Replacement Project  
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County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	21.8	0.04	--	--	0.04	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	941.1	2.05	--	--	2.05	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	119.2	0.19	--	--	0.19	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.10	--	--	0.10	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp, HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	530.8	0.75	0.61	--	1.36	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	0.01	--	0.01	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, HCVF Wetlands, Cedar Swamp	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	15.2	0.02	0.02	--	0.04	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	691.5	0.73	0.76	--	1.49	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	585.9	0.67	0.66	--	1.33	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Cedar Swamp	
Aitkin	St. Louis River	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.27	--	--	0.27	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.885063	-93.177622	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Forested Seasonal Ponds	



Line 3 Replacement Project  
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County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.57	--	--	0.57	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.895498	-93.173407	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.895498	-93.173407	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.895498	-93.173407	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.08	--	--	0.08	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	93.4	0.25	--	--	0.25	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	292.6	0.06	0.32	--	0.38	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	663.7	0.72	0.76	--	1.48	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	34.6	0.04	0.04	--	0.08	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.14	--	--	0.14	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with S1, S2, or S3 Native Plant Communities, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	236.8	0.15	0.27	--	0.42	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	22.1	0.02	0.03	--	0.04	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w19-b	9/7/2017	1079.5	4A - Open Bog	Type 8 - Bog	PEM	--	N/A	--	0.00	--	--	0.00	51	22	19, 20	SESE, SWSW	46.884829	-93.165422	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w8-a	6/17/2019	1079.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.909053	-93.161105	Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w8-a	6/17/2019	1079.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.03	--	--	0.03	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.909053	-93.161105	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w8-a	6/17/2019	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.909053	-93.161105	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w8-a	6/17/2019	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.909053	-93.161105	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.18	--	--	0.18	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Old Growth Forested Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Wetlands with S1, S2, or S3 Native Plant Communities, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.26	--	--	0.26	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	833.4	0.49	0.95	--	1.44	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	468.0	0.20	0.55	--	0.75	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Old Growth Forested Wetlands, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.32	--	--	0.32	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Old Growth Forested Wetlands, HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.31	--	--	0.31	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, Old Growth Forested Wetlands, HCVF Wetlands	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w20-a	6/15/2019	1080.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,332.4	1.00	1.53	--	2.52	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.884737	-93.153163	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w17-ab	8/24/2018	1080.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.10	--	--	0.10	51	22	17	NENE	46.909929	-93.144279	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w17-y	6/23/2018	1080.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	51	22	17	NENE	46.910577	-93.143726	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w21-a	9/7/2017	1081.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	22	21	SESW, SWSE	46.884365	-93.132479	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w21-a	9/7/2017	1081.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	287.8	--	0.33	--	0.33	51	22	21	SESW, SWSE	46.884365	-93.132479	Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities	
Aitkin	St. Louis River	04010201	1	w-51n22w21-a	9/7/2017	1081.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	18.6	0.29	0.02	--	0.31	51	22	21	SESW, SWSE	46.884365	-93.132479	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
St. Louis	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	1.08	--	--	1.08	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNW, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633		
St. Louis	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	1.16	--	--	1.16	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNW, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633		
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.05	--	--	0.05	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNW, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	677.8	1.78	--	--	1.78	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNW, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.03	--	--	0.03	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNW, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, Wetlands with S1, S2, or S3 Native Plant Communities	
St. Louis	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	160.1	0.34	--	--	0.34	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNW, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	1,417.0	1.47	1.63	--	3.09	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.13	--	--	0.13	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	--	--	0.05	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	
St. Louis	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	1,261.1	2.42	1.23	0.18	3.83	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633		
St. Louis	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	25.3	0.03	0.03	--	0.06	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.11	--	--	0.11	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	46.7	--	0.05	--	0.05	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	182.9	--	0.21	--	0.21	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Old Growth Forested Wetlands	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	92.8	0.01	0.11	--	0.11	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Old Growth Forested Wetlands, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.55	--	--	0.55	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Cedar Swamp, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	27.5	0.02	0.03	--	0.05	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	17.6	0.00	0.02	--	0.02	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, HCVF Wetlands, Cedar Swamp	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,025.0	0.39	1.18	--	1.57	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Cedar Swamp	
St. Louis	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	4,313.7	26.06	4.96	--	31.03	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633		
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	147.4	--	0.17	--	0.17	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Cedar Swamp, Wetlands with S1, S2, or S3 Native Plant Communities, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.08	--	--	0.08	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	HCVF Wetlands, Cedar Swamp, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	2,067.4	2.37	2.46	--	4.83	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	11,046.9	11.98	12.59	--	24.57	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands	
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.07	--	--	0.07	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp, HCVF Wetlands	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Aitkin	St. Louis River	04010201	1	w-51n22w22-a	6/17/2019	1083.2	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	78.6	0.07	0.09	--	0.16	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.887548	-93.086633	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, HCVF Wetlands, Cedar Swamp	
St. Louis	St. Louis River	04010201	1	w-51n21w20-ac	8/25/2018	1085.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	9.55	--	--	9.55	51	21	20	NENW, NWNW	46.895475	-93.034479		
St. Louis	St. Louis River	04010201	1	w-51n21w20-ac	8/25/2018	1085.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	2.25	--	--	2.25	51	21	20	NENW, NWNW	46.895475	-93.034479		
St. Louis	St. Louis River	04010201	1	w-51n21w20-ac	8/25/2018	1085.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	51	21	20	NENW, NWNW	46.895475	-93.034479		
St. Louis	St. Louis River	04010201	1	w-51n21w20-a	6/16/2018	1085.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	HDD (East Savanna River MP 1085.9) / Water Appropriation	N/A	78.9	0.06	--	--	0.06	51	21	20	NESW, NWSW	46.888953	-93.034192		
St. Louis	St. Louis River	04010201	1	w-51n21w20-a	6/16/2018	1085.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (East Savanna River MP 1085.9) / Open Cut	N/A	1,027.0	0.50	0.94	--	1.44	51	21	20	NESW, NWSW	46.888953	-93.034192		
St. Louis	St. Louis River	04010201	1	w-51n21w20-a	6/16/2018	1085.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (East Savanna River MP 1085.9) / Open Cut / Water Appropriation	N/A	143.7	0.45	0.16	--	0.61	51	21	20	NESW, NWSW	46.888953	-93.034192		
St. Louis	St. Louis River	04010201	1	w-51n21w20-a	6/16/2018	1085.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	739.5	1.15	0.85	--	2.00	51	21	20	NESW, NWSW	46.888953	-93.034192		
St. Louis	St. Louis River	04010201	1	w-51n21w20-ab	8/25/2018	1085.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.12	--	--	0.12	51	21	20	NENW	46.896609	-93.032359		
St. Louis	St. Louis River	04010201	1	w-51n21w22-a	9/25/2018	1087.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	220.3	0.49	--	--	0.49	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.889563	-93.002335		
St. Louis	St. Louis River	04010201	1	w-51n21w22-a	9/25/2018	1087.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,011.2	2.28	--	--	2.28	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.889563	-93.002335		
St. Louis	St. Louis River	04010201	1	w-51n21w22-a	9/25/2018	1087.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.23	--	--	0.23	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.889563	-93.002335		
St. Louis	St. Louis River	04010201	1	w-51n21w22-a	9/25/2018	1087.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	HDD (East Savanna River MP 1085.9) / Open Cut	N/A	9,493.4	10.00	10.71	--	20.72	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.889563	-93.002335		
St. Louis	St. Louis River	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	HDD (East Savanna River MP 1085.9) / Open Cut / Water Appropriation	N/A	2,479.5	2.32	2.71	--	5.03	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.889563	-93.002335		
St. Louis	St. Louis River	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	613.2	0.58	0.70	--	1.28	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.889563	-93.002335		
St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	9.4	0.08	--	--	0.08	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		
St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	99.5	0.26	--	--	0.26	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		
St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	167.6	0.51	--	--	0.51	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		

Line 3 Replacement Project  
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St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	1,092.4	1.54	1.25	--	2.79	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		
St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,909.3	2.48	1.98	0.17	4.64	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		
St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4A - Open Bog	Type 8 - Bog	PEM	Open Cut	N/A	231.1	0.58	--	--	0.58	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		
St. Louis	St. Louis River	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	1,540.3	1.64	1.77	--	3.41	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.888718	-92.964041		
St. Louis	St. Louis River	04010201	1	w-51n21w24-a	9/9/2017	1089.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	339.9	0.46	0.42	--	0.88	51	21	24	NWSW	46.888145	-92.952277		
St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	230.1	0.69	--	--	0.69	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043		
St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	949.8	2.18	--	--	2.18	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043		
St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	2,636.8	2.48	2.97	--	5.45	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043		
St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	923.8	1.05	1.14	--	2.19	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043		
St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	45.7	0.04	0.04	--	0.08	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043	Forested Seasonal Ponds	
St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	4A - Open Bog	Type 8 - Bog	PEM	Open Cut	N/A	361.8	1.41	--	--	1.41	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043		

Line 3 Replacement Project  
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St. Louis	St. Louis River	04010201	1	w-51n21w24-b	6/11/2019	1090.6	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	2,795.2	2.24	3.00	--	5.24	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.885858	-92.933043		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ad	8/31/2018	1091.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.98	--	--	0.98	51	20	17	NWSW	46.901686	-92.910749		
St. Louis	St. Louis River	04010201	1	w-51n20w17-aa	8/31/2018	1091.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.03	--	--	0.03	51	20	17	NWSW	46.903363	-92.909413		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ae	9/4/2018	1091.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.10	--	--	0.10	51	20	17	NWSW	46.903176	-92.909786		
St. Louis	St. Louis River	04010201	1	w-51n20w17-af	9/4/2018	1091.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.40	--	--	0.40	51	20	17	NWSW	46.900776	-92.910332		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ag	9/4/2018	1091.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.25	--	--	0.25	51	20	17	NWSW	46.902097	-92.910313		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ab	8/31/2018	1091.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.86	--	--	0.86	51	20	17	NWSW	46.902634	-92.907446		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ab	8/31/2018	1091.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.26	--	--	0.26	51	20	17	NWSW	46.902634	-92.907446		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ac	8/31/2018	1091.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.10	--	--	0.10	51	20	17	NWSW	46.900101	-92.907499		
St. Louis	St. Louis River	04010201	1	w-51n20w17-ac	8/31/2018	1091.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	--	--	0.07	51	20	17	NWSW	46.900101	-92.907499		
St. Louis	St. Louis River	04010201	1	w-51n20w20-a	9/11/2017	1092.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore Pit	N/A	871.3	1.94	--	--	1.94	51	20	20, 21	SESE, SESW, SWSE, SWSW	46.881872	-92.896316		
St. Louis	St. Louis River	04010201	1	w-51n20w20-a	9/11/2017	1092.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut / Bore Pit	N/A	1,256.4	1.67	1.44	--	3.11	51	20	20, 21	SESE, SESW, SWSE, SWSW	46.881872	-92.896316		
St. Louis	St. Louis River	04010201	1	w-51n20w20-a	9/11/2017	1092.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	234.6	0.24	0.27	--	0.51	51	20	20, 21	SESE, SESW, SWSE, SWSW	46.881872	-92.896316		
St. Louis	St. Louis River	04010201	1	w-51n20w20-a	9/11/2017	1092.4	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut / Bore Pit	N/A	4,177.3	4.64	4.80	--	9.44	51	20	20, 21	SESE, SESW, SWSE, SWSW	46.881872	-92.896316		
St. Louis	St. Louis River	04010201	1	w-51n20w21-a	9/11/2017	1093.0	4B - Coniferous Bog	Type 8 - Bog	PFO	Open Cut	N/A	490.3	0.70	0.56	--	1.26	51	20	21	SESW, SWSW	46.881946	-92.884484		
St. Louis	St. Louis River	04010201	1	w-51n20w21-b	9/11/2017	1093.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	89.0	0.15	--	--	0.15	51	20	21	SESW	46.881827	-92.880104		
St. Louis	St. Louis River	04010201	1	w-51n20w21-c	9/11/2017	1093.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	48.0	0.11	--	--	0.11	51	20	21	SWSE	46.881864	-92.877272		
St. Louis	St. Louis River	04010201	1	w-51n20w28-da	10/22/2018	1093.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	20	28	NWNE	46.879694	-92.874963		
St. Louis	St. Louis River	04010201	1	w-51n20w28-db	10/22/2018	1093.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	51	20	28	NWNE	46.879837	-92.874886		
St. Louis	St. Louis River	04010201	1	w-51n20w21-e	6/20/2018	1093.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	304.7	0.52	--	--	0.52	51	20	21, 28	NENE, SESE	46.881528	-92.872432		
St. Louis	St. Louis River	04010201	1	w-51n20w21-e	6/20/2018	1093.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	126.1	0.76	0.22	--	0.98	51	20	21, 28	NENE, SESE	46.881528	-92.872432		
St. Louis	St. Louis River	04010201	1	w-51n20w28-a	6/20/2018	1093.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,751.3	2.70	--	--	2.70	51	20	27, 28	NENE, NWNW, SWNW	46.879613	-92.870044		
St. Louis	St. Louis River	04010201	1	w-51n20w28-a	6/20/2018	1093.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.71	0.00	--	0.72	51	20	27, 28	NENE, NWNW, SWNW	46.879613	-92.870044		
St. Louis	St. Louis River	04010201	1	w-51n20w28-a	6/20/2018	1093.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.22	0.03	--	0.25	51	20	27, 28	NENE, NWNW, SWNW	46.879613	-92.870044		
St. Louis	St. Louis River	04010201	1	w-51n20w27-a	9/11/2017	1094.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	98.4	0.10	0.11	--	0.21	51	20	27	SWNW	46.877102	-92.866894		
St. Louis	St. Louis River	04010201	1	w-51n20w27-bh	9/4/2019	1094.0	5A - Shrub-Carr	Type 6 - Shrub swamps	PSS	--	N/A	--	0.08	--	--	0.08	51	20	27	SWNW	46.877409	-92.864811		
St. Louis	St. Louis River	04010201	1	w-51n20w27-bg	9/4/2019	1094.1	5B - Alder Thicket	Type 6 - Shrub swamps	PSS	--	N/A	--	0.02	--	--	0.02	51	20	27	SENW, SWNW	46.877332	-92.863500		
St. Louis	St. Louis River	04010201	1	w-51n20w27-bg	9/4/2019	1094.1	6A - Hardwood Swamp	Type 7 - Wooded Swamps	PFO	--	N/A	--	0.33	--	--	0.33	51	20	27	SENW, SWNW	46.877332	-92.863500		
St. Louis	St. Louis River	04010201	1	w-51n20w27-y	9/4/2019	1094.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.12	--	--	0.12	51	20	27	SWNW	46.876716	-92.864771		
St. Louis	St. Louis River	04010201	1	w-51n20w27-bc	9/4/2019	1094.1	3B - Fresh (wet) Meadow	Type 1- Seasonally flooded basins or floodplains	PEM	--	N/A	--	0.01	--	--	0.01	51	20	27	SENW	46.876479	-92.859679		
St. Louis	St. Louis River	04010201	1	w-51n20w27-bd	9/4/2019	1094.1	5A - Shrub-Carr	Type 6 - Shrub swamps	PSS	--	N/A	--	0.09	--	--	0.09	51	20	27	SENW	46.876589	-92.860209		
St. Louis	St. Louis River	04010201	1	w-51n20w27-be	9/4/2019	1094.1	5B - Alder Thicket	Type 6 - Shrub swamps	PSS	--	N/A	--	0.03	--	--	0.03	51	20	27	SENW	46.876712	-92.860742		
St. Louis	St. Louis River	04010201	1	w-51n20w27-bf	9/4/2019	1094.1	5A - Shrub-Carr	Type 6 - Shrub swamps	PSS	--	N/A	--	0.01	--	--	0.01	51	20	27	SENW	46.876770	-92.860686		
St. Louis	St. Louis River	04010201	1	w-51n20w27-b	8/31/2018	1094.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	239.1	1.55	--	--	1.55	51	20	27	SENW, SWNW	46.874461	-92.864553		
St. Louis	St. Louis River	04010201	1	w-51n20w27-b	8/31/2018	1094.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	51	20	27	SENW, SWNW	46.874461	-92.864553		
St. Louis	St. Louis River	04010201	1	w-51n20w27-b	8/31/2018	1094.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	51	20	27	SENW, SWNW	46.874461	-92.864553		



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
St. Louis	St. Louis River	04010201	1	w-51n20w27-b	8/31/2018	1094.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	51	20	27	SENW, SWNW	46.874461	-92.864553	Forested Seasonal Ponds	
St. Louis	St. Louis River	04010201	1	w-51n20w27-c	9/12/2017	1094.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	412.3	0.83	--	--	0.83	51	20	27	NESW, NWSW	46.873548	-92.863964		
St. Louis	St. Louis River	04010201	1	w-51n20w27-c	9/12/2017	1094.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.12	--	--	0.12	51	20	27	NESW, NWSW	46.873548	-92.863964		
St. Louis	St. Louis River	04010201	1	w-51n20w27-g	9/12/2017	1094.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	54.6	0.09	0.06	--	0.15	51	20	27	SWSE	46.867759	-92.854946		
St. Louis	St. Louis River	04010201	1	w-51n20w34-aa	7/19/2019	1095.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	0.01	0.01	51	20	34	NENE	46.863275	-92.848405		
St. Louis	St. Louis River	04010201	1	w-51n20w34-e	7/16/2018	1095.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.04	0.04	51	20	34	SENE	46.863073	-92.851626		
St. Louis	St. Louis River	04010201	1	w-51n20w34-g	7/16/2018	1095.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	--	--	0.12	0.12	51	20	34	SENE	46.861795	-92.849545		
St. Louis	St. Louis River	04010201	1	w-51n20w34-h	7/16/2018	1095.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	51	20	34	SENE	46.860349	-92.848429		
St. Louis	St. Louis River	04010201	1	w-51n20w35-a	9/12/2017	1095.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	295.2	0.28	0.34	--	0.62	51	20	35	SWNW	46.860304	-92.847831		
St. Louis	St. Louis River	04010201	1	w-51n20w35-c	9/12/2017	1095.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	56.6	0.12	--	--	0.12	51	20	35	NESW, SESW	46.855987	-92.841709		
St. Louis	St. Louis River	04010201	1	w-51n20w35-d	9/12/2017	1096.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	133.9	0.30	--	--	0.30	51	20	35	SESW	46.855040	-92.840033		
St. Louis	St. Louis River	04010201	1	w-51n20w35-e	9/12/2017	1096.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	105.9	0.23	--	--	0.23	51	20	35	SWSE	46.853058	-92.836712		
St. Louis	St. Louis River	04010201	1	w-50n20w2-a	9/13/2017	1096.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	312.2	0.86	--	--	0.86	50	20	2	NENE, NWNE	46.851550	-92.832682		
St. Louis	St. Louis River	04010201	1	w-50n20w2-a	9/13/2017	1096.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.21	--	--	0.21	50	20	2	NENE, NWNE	46.851550	-92.832682		
St. Louis	St. Louis River	04010201	1	w-50n20w2-b	9/13/2017	1096.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	669.9	1.26	--	--	1.26	50	20	1, 2	NENE, NWNW, SWNW	46.848903	-92.826770		
St. Louis	St. Louis River	04010201	1	w-50n20w2-b	9/13/2017	1096.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.23	0.05	--	0.28	50	20	1, 2	NENE, NWNW, SWNW	46.848903	-92.826770		
St. Louis	St. Louis River	04010201	1	w-50n20w1-a	9/13/2017	1097.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	111.5	0.23	--	--	0.23	50	20	1	SWNW	46.847301	-92.824243		
St. Louis	St. Louis River	04010201	1	w-50n20w1-b	9/13/2017	1097.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	555.8	1.18	--	--	1.18	50	20	1	NESW, SENW	46.844781	-92.820065		
St. Louis	St. Louis River	04010201	1	w-50n20w1-b	9/13/2017	1097.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	50	20	1	NESW, SENW	46.844781	-92.820065	Forested Seasonal Ponds	
St. Louis	St. Louis River	04010201	1	w-50n20w1-c	9/13/2017	1097.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	207.0	0.45	--	--	0.45	50	20	1	NWSE	46.841964	-92.815355		
St. Louis	St. Louis River	04010201	1	w-50n20w1-d	9/13/2017	1097.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	65.4	0.16	--	--	0.16	50	20	1	SWSE	46.840995	-92.813821		
St. Louis	St. Louis River	04010201	1	w-50n20w1-d	9/13/2017	1097.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	--	--	0.00	50	20	1	SWSE	46.840995	-92.813821		
St. Louis	St. Louis River	04010201	1	w-50n20w1-e	9/26/2018	1097.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	244.6	0.41	--	--	0.41	50	20	1, 12	NENE, SESE	46.838308	-92.809307		
St. Louis	St. Louis River	04010201	1	w-50n20w1-e	9/26/2018	1097.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	287.1	0.60	--	--	0.60	50	20	1, 12	NENE, SESE	46.838308	-92.809307		
St. Louis	St. Louis River	04010201	1	w-50n20w1-e	9/26/2018	1097.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.10	0.01	--	0.12	50	20	1, 12	NENE, SESE	46.838308	-92.809307		
St. Louis	St. Louis River	04010201	1	w-50n19w7-a	9/13/2017	1098.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	285.8	0.53	--	--	0.53	50	19	7	NENW, NWNW, SENW, SWNW	46.834605	-92.803241		
St. Louis	St. Louis River	04010201	1	w-50n19w7-a	9/13/2017	1098.3	4A - Open Bog	Type 8 - Bog	PEM	Open Cut	N/A	394.6	0.70	--	--	0.70	50	19	7	NENW, NWNW, SENW, SWNW	46.834605	-92.803241		
St. Louis	St. Louis River	04010201	1	w-50n19w7-a	9/13/2017	1098.3	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.26	--	--	0.26	50	19	7	NENW, NWNW, SENW, SWNW	46.834605	-92.803241		
St. Louis	St. Louis River	04010201	1	w-50n19w7-a	9/13/2017	1098.3	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.00	--	--	0.00	50	19	7	NENW, NWNW, SENW, SWNW	46.834605	-92.803241	Forested Seasonal Ponds	
St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	266.7	0.64	--	--	0.64	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292		
St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	915.1	1.46	--	--	1.46	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292		
St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	313.6	0.75	--	--	0.75	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292		
St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.30	0.01	--	0.31	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292		
St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	32.8	0.07	0.05	--	0.11	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292		
St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292	Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

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St. Louis	St. Louis River	04010201	1	w-50n19w7-c	9/26/2018	1098.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.18	0.05	--	0.22	50	19	7	NWSE, SENW, SWNE	46.830403	-92.796292		
St. Louis	St. Louis River	04010201	1	w-50n19w7-d	9/13/2017	1099.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	81.8	0.18	--	--	0.18	50	19	7	NWSE	46.828257	-92.792532		
St. Louis	St. Louis River	04010201	1	w-50n19w7-e	9/15/2017	1099.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	70.1	0.13	--	--	0.13	50	19	7	SESE	46.826735	-92.790105		
St. Louis	St. Louis River	04010201	1	w-50n19w7-e	9/15/2017	1099.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	50	19	7	SESE	46.826735	-92.790105		
St. Louis	St. Louis River	04010201	1	w-50n19w8-a	9/15/2017	1099.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.12	--	--	0.12	50	19	8	SWSW	46.824287	-92.786010		
St. Louis	St. Louis River	04010201	1	w-50n19w8-a	9/15/2017	1099.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	155.3	0.17	--	--	0.17	50	19	8	SWSW	46.824287	-92.786010		
St. Louis	St. Louis River	04010201	1	w-50n19w8-a	9/15/2017	1099.4	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.03	--	--	0.03	50	19	8	SWSW	46.824287	-92.786010		
St. Louis	St. Louis River	04010201	1	w-50n19w17-f	9/15/2017	1099.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	974.2	1.37	--	--	1.37	50	19	8, 17	NENW, NWNW, SWSW	46.822871	-92.783036		
St. Louis	St. Louis River	04010201	1	w-50n19w17-f	9/15/2017	1099.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.24	--	--	0.24	50	19	8, 17	NENW, NWNW, SWSW	46.822871	-92.783036		
St. Louis	St. Louis River	04010201	1	w-50n19w17-f	9/15/2017	1099.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.22	0.11	--	0.33	50	19	8, 17	NENW, NWNW, SWSW	46.822871	-92.783036		
St. Louis	St. Louis River	04010201	1	w-50n19w17-f	9/15/2017	1099.6	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	0.00	--	0.08	50	19	8, 17	NENW, NWNW, SWSW	46.822871	-92.783036		
St. Louis	St. Louis River	04010201	1	w-50n19w17-f	9/15/2017	1099.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.12	0.01	--	0.14	50	19	8, 17	NENW, NWNW, SWSW	46.822871	-92.783036		
St. Louis	St. Louis River	04010201	1	w-50n19w17-o	7/12/2018	1099.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.08	--	--	0.08	50	19	17	NWNW, SWNW	46.820061	-92.782654		
St. Louis	St. Louis River	04010201	1	w-50n19w17-e	9/14/2017	1100.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	829.3	1.71	--	--	1.71	50	19	17	SENE, SWNE	46.818273	-92.773090		
St. Louis	St. Louis River	04010201	1	w-50n19w17-e	9/14/2017	1100.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	0.00	--	0.07	50	19	17	SENE, SWNE	46.818273	-92.773090		
St. Louis	St. Louis River	04010201	1	w-50n19w17-e	9/14/2017	1100.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	106.3	0.16	0.11	--	0.27	50	19	17	SENE, SWNE	46.818273	-92.773090		
St. Louis	St. Louis River	04010201	1	w-50n19w17-e	9/14/2017	1100.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	50	19	17	SENE, SWNE	46.818273	-92.773090		
St. Louis	St. Louis River	04010201	1	w-50n19w17-c	9/14/2017	1100.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	50	19	17	NESE	46.816600	-92.769677		
St. Louis	St. Louis River	04010201	1	w-50n19w17-b	9/26/2018	1100.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	138.6	0.37	--	--	0.37	50	19	17	NESE	46.815802	-92.768452		
St. Louis	St. Louis River	04010201	1	w-50n19w17-a	6/18/2018	1100.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	63.7	0.12	--	--	0.12	50	19	16	NWSW	46.813631	-92.765418		
St. Louis	St. Louis River	04010201	1	w-50n19w17-a	6/18/2018	1100.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	50	19	16	NWSW	46.813631	-92.765418		
St. Louis	St. Louis River	04010201	1	w-50n19w17-a	6/18/2018	1100.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	50	19	16	NWSW	46.813631	-92.765418	Forested Seasonal Ponds	
St. Louis	St. Louis River	04010201	1	w-50n19w16-b	9/26/2018	1100.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	656.2	1.42	--	--	1.42	50	19	16	SWSW	46.812012	-92.763023		
St. Louis	St. Louis River	04010201	1	w-50n19w16-b	9/26/2018	1100.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.18	--	--	0.18	50	19	16	SWSW	46.812012	-92.763023		
St. Louis	St. Louis River	04010201	1	w-50n19w16-b	9/26/2018	1100.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	50	19	16	SWSW	46.812012	-92.763023		
St. Louis	St. Louis River	04010201	1	w-50n19w16-b	9/26/2018	1100.8	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.30	--	--	0.30	50	19	16	SWSW	46.812012	-92.763023		
St. Louis	St. Louis River	04010201	1	w-50n19w16-a	6/18/2018	1100.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	309.3	0.67	--	--	0.67	50	19	16	SESW, SWSW	46.810689	-92.760907		
St. Louis	St. Louis River	04010201	1	w-50n19w21-d	9/14/2017	1101.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	152.4	0.57	--	--	0.57	50	19	21	NENW, NWNE	46.807602	-92.756245		
St. Louis	St. Louis River	04010201	1	w-50n19w21-d	9/14/2017	1101.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	42.0	0.09	--	--	0.09	50	19	21	NENW, NWNE	46.807602	-92.756245		
St. Louis	St. Louis River	04010201	1	w-50n19w21-d	9/14/2017	1101.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	50	19	21	NENW, NWNE	46.807602	-92.756245		
St. Louis	St. Louis River	04010201	1	w-50n19w21-d	9/14/2017	1101.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	50	19	21	NENW, NWNE	46.807602	-92.756245	Forested Seasonal Ponds	
St. Louis	St. Louis River	04010201	1	w-50n19w21-b	9/14/2017	1101.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	554.6	1.08	--	--	1.08	50	19	21	NWNE, SWNE	46.806297	-92.754165		
St. Louis	St. Louis River	04010201	1	w-50n19w21-b	9/14/2017	1101.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.09	--	--	0.09	50	19	21	NWNE, SWNE	46.806297	-92.754165		
St. Louis	St. Louis River	04010201	1	w-50n19w21-a	9/14/2017	1101.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	382.2	0.50	--	--	0.50	50	19	21	NESE, SENE, SWNE	46.803829	-92.750057		
St. Louis	St. Louis River	04010201	1	w-50n19w21-a	9/14/2017	1101.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	1,562.5	3.47	--	--	3.47	50	19	21	NESE, SENE, SWNE	46.803829	-92.750057		
St. Louis	St. Louis River	04010201	1	w-50n19w21-a	9/14/2017	1101.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	91.4	0.13	--	--	0.13	50	19	21	NESE, SENE, SWNE	46.803829	-92.750057		

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
St. Louis	St. Louis River	04010201	1	w-50n19w21-a	9/14/2017	1101.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.08	0.03	--	0.11	50	19	21	NESE, SENE, SWNE	46.803829	-92.750057		
St. Louis	St. Louis River	04010201	1	w-50n19w21-a	9/14/2017	1101.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.17	0.06	--	0.24	50	19	21	NESE, SENE, SWNE	46.803829	-92.750057		
St. Louis	St. Louis River	04010201	1	w-50n19w22-i	7/5/2018	1102.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.02	0.02	50	19	22	SWNE	46.806914	-92.728932		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-h	10/23/2018	1102.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.19	--	--	0.19	50	19	22	NWSE, SENE, SWNE, SWSE	46.804695	-92.729708		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-h	10/23/2018	1102.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.92	0.92	50	19	22	NWSE, SENE, SWNE, SWSE	46.804695	-92.729708		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-h	10/23/2018	1102.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.23	0.23	50	19	22	NWSE, SENE, SWNE, SWSE	46.804695	-92.729708		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-h	10/23/2018	1102.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.01	0.01	50	19	22	NWSE, SENE, SWNE, SWSE	46.804695	-92.729708	Forested Seasonal Ponds	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-g	7/5/2018	1102.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.14	0.14	50	19	22	SENE	46.805770	-92.724958		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-g	7/5/2018	1102.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.00	0.00	50	19	22	SENE	46.805770	-92.724958		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-g	7/5/2018	1102.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.02	0.02	50	19	22	SENE	46.805770	-92.724958	Forested Seasonal Ponds	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-j	9/8/2018	1102.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.06	--	--	0.06	50	19	22	SESW	46.797904	-92.738283		
St. Louis	St. Louis River	04010201	1	w-50n19w22-k	9/8/2018	1102.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.20	--	--	0.20	50	19	22	SESW	46.798087	-92.738740		
St. Louis	St. Louis River	04010201	1	w-50n19w22-f	7/18/2018	1102.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.07	0.07	50	19	22, 23	SENE, SWNW	46.805793	-92.722901		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-f	7/18/2018	1102.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.00	0.00	50	19	22, 23	SENE, SWNW	46.805793	-92.722901		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-t	10/11/2018	1102.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.02	0.02	50	19	23	SWNW	46.806612	-92.718550		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-v	10/11/2018	1102.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	--	--	0.00	0.00	50	19	23	SENW	46.807023	-92.715031		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-w	10/11/2018	1102.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.01	0.01	50	19	23	SENW	46.807334	-92.716535		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-x	10/11/2018	1102.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.01	0.01	50	19	23	SENW	46.807573	-92.715626		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-y	10/23/2018	1102.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.01	0.01	50	19	23	SENW	46.806500	-92.714467		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-z	10/23/2018	1102.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.00	0.00	50	19	23	SENW	46.805810	-92.713846		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-ab	10/11/2018	1102.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.06	0.06	50	19	23	SENW, SWNE	46.804866	-92.711316		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-aa	10/23/2018	1103.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	--	--	0.04	0.04	50	19	23	SENE, SENW, SWNE	46.805882	-92.706504		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-aa	10/23/2018	1103.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.22	--	0.13	0.35	50	19	23	SENE, SENW, SWNE	46.805882	-92.706504		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-ac	10/11/2018	1103.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.01	0.01	50	19	23	SENE	46.806464	-92.706082		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-ac	10/11/2018	1103.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.00	0.00	50	19	23	SENE	46.806464	-92.706082	Forested Seasonal Ponds	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-ad	10/11/2018	1103.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	--	0.01	0.01	50	19	23	SENE	46.807321	-92.703488		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-ad	10/11/2018	1103.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.01	0.01	50	19	23	SENE	46.807321	-92.703488		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w23-ad	10/11/2018	1103.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	--	--	0.01	0.01	50	19	23	SENE	46.807321	-92.703488	Forested Seasonal Ponds	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.30	--	--	0.30	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	3,149.9	4.14	--	--	4.14	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	598.1	0.70	--	--	0.70	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	719.3	0.92	--	0.14	1.06	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	135.1	1.54	--	--	1.54	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	605.4	0.24	--	--	0.24	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	382.2	0.65	--	--	0.65	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.11	--	--	0.11	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	103.7	0.02	--	--	0.02	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	312.4	1.38	0.34	0.47	2.19	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	0.01	--	0.08	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	22.0	0.01	0.03	1.08	1.12	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	182.3	0.60	0.37	--	0.97	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	249.8	0.80	0.26	--	1.05	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.58	0.07	0.06	0.72	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	1,392.9	1.01	1.15	--	2.16	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386		FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	771.5	2.22	1.33	--	3.55	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	86.1	0.75	0.20	--	0.95	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with High or Outstanding Biodiversity Sites	FDL
St. Louis	St. Louis River	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.44	0.18	--	0.62	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.789696	-92.727386	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Cedar Swamp	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	415.0	0.89	--	--	0.89	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	159.6	0.28	--	--	0.28	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet Push Pull	N/A	205.7	0.47	--	--	0.47	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.17	--	--	0.17	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.44	--	--	0.44	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	439.1	0.83	--	--	0.83	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.39	--	--	0.39	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	1,074.7	1.23	--	--	1.23	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	572.4	0.84	--	--	0.84	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.69	--	--	0.69	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	229.6	0.43	--	--	0.43	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet Push Pull	N/A	1,155.8	2.26	--	--	2.26	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	Wet Push Pull	N/A	274.8	0.47	--	--	0.47	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	--	N/A	--	0.09	--	--	0.09	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	Wet Push Pull	N/A	126.6	0.19	--	--	0.19	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	Wet Push Pull	N/A	926.8	2.04	--	--	2.04	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet Push Pull	N/A	344.5	0.71	--	--	0.71	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	118.4	0.07	0.17	--	0.24	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.12	--	--	0.12	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.36	--	--	0.36	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	0.06	--	0.12	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.69	--	--	0.69	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	FDL



Line 3 Replacement Project  
Mainline Wetland Impact Table

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Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	353.9	--	0.37	--	0.37	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands with S1, S2, or S3 Native Plant Communities	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	46.6	0.03	0.04	--	0.07	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	995.3	0.47	1.03	--	1.50	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	762.5	0.82	0.87	--	1.69	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.01	--	0.01	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	57.6	0.09	0.07	--	0.15	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet Push Pull	N/A	23.7	0.02	0.02	--	0.04	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands with S1, S2, or S3 Native Plant Communities, Wetlands with High or Outstanding Biodiversity Sites, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	117.9	0.03	0.11	--	0.14	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet Push Pull	N/A	346.1	0.33	0.38	--	0.71	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	1.37	0.12	--	1.49	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
St. Louis	St. Louis River	04010201	1	w-49n19w1-a	9/8/2018	1105.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.00	--	0.02	49, 50	19	1, 35, 36	NENW, NWNW, NENW, NESE, NWNE, NWSE, SENE, SENW, SESE, SWNE, SWSW	46.769080	-92.698412	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	622.8	0.69	--	--	0.69	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	4.0	0.69	--	--	0.69	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,998.5	3.18	--	0.00	3.18	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	246.2	0.30	--	--	0.30	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	1,293.8	2.01	--	--	2.01	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	99.2	0.43	0.19	--	0.62	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	3,102.1	3.42	3.77	0.19	7.38	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	0.03	--	0.07	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.26	0.03	--	0.29	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	229.6	--	0.27	--	0.27	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	54.8	0.22	0.04	--	0.26	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	0.02	--	0.08	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.06	--	--	0.06	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	1,154.6	3.75	1.33	--	5.08	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w6-a	6/26/2019	1107.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	0.00	--	0.02	49	18, 19	1, 6, 7, 8, 12	NENE, NENW, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESW, SWNE, SWNW, SWSW	46.749640	-92.670130	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w8-a	9/8/2018	1108.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.02	--	--	0.02	49	18	8	SESW	46.737022	-92.651364	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,279.9	2.29	--	--	2.29	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	--	N/A	--	0.00	--	--	0.00	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut / Beaver Dam	N/A	560.6	1.39	--	--	1.39	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	--	N/A	--	0.02	--	--	0.02	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	--	N/A	--	0.05	--	--	0.05	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.11	--	--	0.11	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	227.8	0.01	0.18	--	0.19	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.50	0.07	--	0.58	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	273.7	--	0.21	--	0.21	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	FDL
Carlton	St. Louis River	04010201	1	w-49n18w17-x	9/7/2018	1108.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.23	--	--	0.23	49	18	17	NENW, NWNE, SENE	46.734051	-92.646340	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w16-g	10/23/2018	1109.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	49	18	16, 17	NESE, NWSW	46.729058	-92.639128		FDL
Carlton	St. Louis River	04010201	1	w-49n18w16-g	10/23/2018	1109.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	49	18	16, 17	NESE, NWSW	46.729058	-92.639128	Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w16-i	9/7/2018	1109.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.01	--	--	0.01	49	18	16	NWSW	46.727653	-92.637133		FDL
Carlton	St. Louis River	04010201	1	w-49n18w16-f	6/5/2019	1109.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	765.8	1.43	--	--	1.43	49	18	16	NWSW, SESW, SWSW	46.725539	-92.634034		FDL
Carlton	St. Louis River	04010201	1	w-49n18w16-f	6/5/2019	1109.4	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.22	0.00	--	0.22	49	18	16	NWSW, SESW, SWSW	46.725539	-92.634034		FDL
Carlton	St. Louis River	04010201	1	w-49n18w16-a	6/12/2018	1109.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.02	--	--	0.02	49	18	16	SESW	46.722598	-92.629822	Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-j	9/5/2018	1109.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.04	--	--	0.04	49	18	21	NENW	46.721701	-92.628814		FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-j	9/5/2018	1109.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	49	18	21	NENW	46.721701	-92.628814	Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-h	6/12/2018	1109.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	108.0	0.15	--	--	0.15	49	18	21	NWNE	46.720956	-92.627497		FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-h	6/12/2018	1109.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.03	--	--	0.03	49	18	21	NWNE	46.720956	-92.627497		FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-h	6/12/2018	1109.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.22	--	--	0.22	49	18	21	NWNE	46.720956	-92.627497	Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-e	6/12/2018	1110.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.22	--	--	0.22	49	18	21	NESE, SENE, SWNE	46.715432	-92.622955	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-e	6/12/2018	1110.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	90.3	0.23	--	--	0.23	49	18	21	NESE, SENE, SWNE	46.715432	-92.622955	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-e	6/12/2018	1110.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	427.2	0.39	0.35	--	0.74	49	18	21	NESE, SENE, SWNE	46.715432	-92.622955	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-49n18w21-e	6/12/2018	1110.3	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.12	--	--	0.12	49	18	21	NESE, SENE, SWNE	46.715432	-92.622955	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-c	6/12/2018	1110.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	195.5	0.41	--	--	0.41	49	18	21	NESE	46.714192	-92.621761	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-c	6/12/2018	1110.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	210.9	0.64	--	--	0.64	49	18	21	NESE	46.714192	-92.621761	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-c	6/12/2018	1110.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	294.3	0.39	0.29	--	0.68	49	18	21	NESE	46.714192	-92.621761	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-a	6/12/2018	1110.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	25.1	0.07	--	--	0.07	49	18	21	NESE	46.711819	-92.618173	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-b	6/12/2018	1110.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.14	--	--	0.14	49	18	21	NESE	46.712967	-92.618667	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w21-b	6/12/2018	1110.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	49	18	21	NESE	46.712967	-92.618667	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w22-a	6/11/2018	1110.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore pit / Wet push pull	N/A	386.3	0.91	--	--	0.91	49	18	21, 22	NESE, NWSW, SWSW	46.710866	-92.616793	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w22-a	6/11/2018	1110.7	4A - Open Bog	Type 8 - Bog	PEM	Wet push pull	N/A	534.1	0.61	--	--	0.61	49	18	21, 22	NESE, NWSW, SWSW	46.710866	-92.616793	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w22-a	6/11/2018	1110.7	4B - Coniferous Bog	Type 8 - Bog	PFO	Wet push pull	N/A	331.0	0.68	0.40	--	1.08	49	18	21, 22	NESE, NWSW, SWSW	46.710866	-92.616793	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance	FDL
Carlton	St. Louis River	04010201	1	w-49n18w22-a	6/11/2018	1110.7	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.00	--	--	0.00	49	18	21, 22	NESE, NWSW, SWSW	46.710866	-92.616793	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-b	9/6/2018	1111.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet push pull	N/A	1,423.0	2.35	--	--	2.35	49	18	22, 27	NENW, NWNE, SESW, SWNE	46.706014	-92.608084		FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-b	9/6/2018	1111.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet push pull	N/A	919.3	1.24	0.97	--	2.22	49	18	22, 27	NENW, NWNE, SESW, SWNE	46.706014	-92.608084		FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-b	9/6/2018	1111.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.12	--	--	0.12	49	18	22, 27	NENW, NWNE, SESW, SWNE	46.706014	-92.608084		FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-b	9/6/2018	1111.3	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.28	0.05	--	0.34	49	18	22, 27	NENW, NWNE, SESW, SWNE	46.706014	-92.608084		FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-c	9/6/2018	1111.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	49	18	27	NWNE	46.704242	-92.605988	Forested Seasonal Ponds	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet push pull	N/A	368.4	0.88	--	--	0.88	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet push pull	N/A	816.1	1.12	--	--	1.12	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Wet push pull	N/A	189.2	0.35	--	--	0.35	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet push pull	N/A	213.3	0.20	0.32	--	0.53	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Wet push pull	N/A	331.7	0.15	0.34	--	0.49	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Wet push pull	N/A	1,022.0	1.21	0.88	--	2.08	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	Wet push pull	N/A	108.0	1.27	0.47	--	1.74	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams	FDL

Line 3 Replacement Project  
Mainline Wetland Impact Table

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Carlton	St. Louis River	04010201	1	w-49n18w27-a	10/23/2018	1111.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.05	--	--	0.05	49	18	26, 27	NESE, NWSW, SENE, SWNE	46.700417	-92.599282	Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	FDL
Carlton	Kettle River	07030003	6	w-49n18w26-e	6/9/2018	1112.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.00	0.02	--	0.02	49	18	26	SWSW	46.695553	-92.592382	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w26-a	6/8/2018	1112.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.10	--	--	0.10	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w26-a	6/8/2018	1112.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	250.2	0.24	--	--	0.24	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w26-a	6/8/2018	1112.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	227.4	0.75	--	--	0.75	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w26-a	6/8/2018	1112.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	416.5	0.67	--	--	0.67	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w26-a	6/8/2018	1112.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.26	0.01	--	0.27	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w26-a	6/8/2018	1112.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.00	--	0.00	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w26-a	6/8/2018	1112.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	49	18	26	SESW, SWSW	46.694188	-92.590679	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w35-r	9/5/2018	1112.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	109.9	0.25	--	--	0.25	49	18	35	NENW	46.692604	-92.588674	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w35-r	9/5/2018	1112.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	614.4	1.11	--	--	1.11	49	18	35	NENW	46.692604	-92.588674	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w35-r	9/5/2018	1112.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.19	--	--	0.19	49	18	35	NENW	46.692604	-92.588674	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-49n18w35-r	9/5/2018	1112.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.14	--	--	0.14	49	18	35	NENW	46.692604	-92.588674	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	Kettle River	07030003	6	w-49n18w35-s	9/5/2018	1112.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.07	--	--	0.07	49	18	35	NENW, NWNE	46.691016	-92.586978	Forested Seasonal Ponds	FDL
Carlton	Kettle River	07030003	6	w-49n18w35-c	6/7/2018	1113.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	822.5	2.27	--	--	2.27	49	18	35	NESE, NWNE, SENE, SWNE	46.686597	-92.581479		FDL
Carlton	Kettle River	07030003	6	w-49n18w35-c	6/7/2018	1113.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	948.5	1.99	--	--	1.99	49	18	35	NESE, NWNE, SENE, SWNE	46.686597	-92.581479		FDL
Carlton	Kettle River	07030003	6	w-49n18w35-c	6/7/2018	1113.1	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	389.0	0.80	--	--	0.80	49	18	35	NESE, NWNE, SENE, SWNE	46.686597	-92.581479		FDL
Carlton	Kettle River	07030003	6	w-49n18w35-c	6/7/2018	1113.1	4A - Open Bog	Type 8 - Bog	PEM	Open Cut	N/A	289.1	0.65	--	--	0.65	49	18	35	NESE, NWNE, SENE, SWNE	46.686597	-92.581479		FDL
Carlton	Kettle River	07030003	6	w-49n18w35-c	6/7/2018	1113.1	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.03	--	--	0.03	49	18	35	NESE, NWNE, SENE, SWNE	46.686597	-92.581479		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-d	6/7/2018	1113.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet push pull	N/A	67.0	0.29	--	--	0.29	49	18	35, 36	NESE, NWSW, SWSW	46.682063	-92.574465		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-d	6/7/2018	1113.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Wet push pull	N/A	706.8	1.22	--	--	1.22	49	18	35, 36	NESE, NWSW, SWSW	46.682063	-92.574465		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-d	6/7/2018	1113.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Wet push pull	N/A	119.7	0.49	0.21	--	0.69	49	18	35, 36	NESE, NWSW, SWSW	46.682063	-92.574465		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-c	6/7/2018	1113.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	--	N/A	--	0.06	--	--	0.06	49	18	36	SESW, SWSW	46.680602	-92.570864		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-c	6/7/2018	1113.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	--	N/A	--	0.01	--	--	0.01	49	18	36	SESW, SWSW	46.680602	-92.570864	Forested Seasonal Ponds	FDL
Carlton	Kettle River	07030003	6	w-49n18w36-a	6/7/2018	1113.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	317.3	0.63	--	--	0.63	49	18	36	SESW	46.679453	-92.568264		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-a	6/7/2018	1113.9	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	Open Cut	N/A	88.6	0.21	--	--	0.21	49	18	36	SESW	46.679453	-92.568264		FDL
Carlton	Kettle River	07030003	6	w-49n18w36-a	6/7/2018	1113.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	0.01	--	0.04	49	18	36	SESW	46.679453	-92.568264		FDL
Carlton	St. Louis River	04010201	1	w-48n18w1-a	6/5/2018	1114.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.07	--	--	0.07	48	18	1	NWNE	46.677468	-92.564006		FDL
Carlton	St. Louis River	04010201	1	w-48n18w1-a	6/5/2018	1114.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	232.3	0.48	--	--	0.48	48	18	1	NWNE	46.677468	-92.564006		FDL
Carlton	St. Louis River	04010201	1	w-48n18w1-a	6/5/2018	1114.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	48	18	1	NWNE	46.677468	-92.564006		FDL
Carlton	St. Louis River	04010201	1	w-48n18w1-b	6/5/2018	1114.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.16	0.00	--	0.16	48	17, 18	1, 6	SENE, SWNW	46.672141	-92.555071	Wetlands Hydrologically Connected to Trout Streams	FDL

Line 3 Replacement Project  
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Carlton	St. Louis River	04010201	1	w-48n18w1-b	6/5/2018	1114.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	941.9	0.77	1.09	--	1.86	48	17, 18	1, 6	SENE, SWNW	46.672141	-92.555071	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n18w1-b	6/5/2018	1114.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.10	--	--	0.10	48	17, 18	1, 6	SENE, SWNW	46.672141	-92.555071	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-d	6/5/2018	1114.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Bore pit / Open Cut	N/A	482.8	0.65	0.55	--	1.19	48	17	6	NWSW	46.669908	-92.552287	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-d	6/5/2018	1114.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	71.9	0.09	0.09	--	0.17	48	17	6	NWSW	46.669908	-92.552287	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-b	6/9/2018	1115.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	44.3	0.10	--	--	0.10	48	17	6	NWSW	46.668929	-92.551161	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-a	6/4/2018	1115.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Wet push pull	N/A	89.6	0.14	--	--	0.14	48	17	6	NESW, NWSW, SESW, SWSW	46.667321	-92.549090	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-a	6/4/2018	1115.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Bore pit / Wet push pull	N/A	1,236.5	2.03	--	--	2.03	48	17	6	NESW, NWSW, SESW, SWSW	46.667321	-92.549090	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-a	6/4/2018	1115.2	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.04	--	--	0.04	48	17	6	NESW, NWSW, SESW, SWSW	46.667321	-92.549090	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-a	6/4/2018	1115.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.16	--	--	0.16	48	17	6	NESW, NWSW, SESW, SWSW	46.667321	-92.549090	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-a	6/4/2018	1115.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	1.00	0.19	--	1.19	48	17	6	NESW, NWSW, SESW, SWSW	46.667321	-92.549090	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-bb	10/24/2019	1115.4	1 - Shallow, Open Water	Type 5 - Open water wetlands	PUB	--	N/A	--	0.13	--	--	0.13	48	17	6	SESW	46.664344	-92.546048		FDL
Carlton	St. Louis River	04010201	1	w-48n17w6-z	6/13/2018	1115.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	144.5	0.15	0.17	--	0.32	48	17	6	SWSE	46.664082	-92.542153	Wetlands Hydrologically Connected to Trout Streams	FDL
Carlton	St. Louis River	04010201	1	w-48n17w8-a	7/12/2018	1116.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	756.6	1.14	--	--	1.14	48	17	8	SENW, SWNW	46.658204	-92.529230	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-a	7/12/2018	1116.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	323.5	0.82	--	--	0.82	48	17	8	SENW, SWNW	46.658204	-92.529230	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-a	7/12/2018	1116.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.21	--	--	0.21	48	17	8	SENW, SWNW	46.658204	-92.529230	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-a	7/12/2018	1116.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.18	0.04	--	0.22	48	17	8	SENW, SWNW	46.658204	-92.529230	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-a	7/12/2018	1116.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	48	17	8	SENW, SWNW	46.658204	-92.529230	Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Carlton	St. Louis River	04010201	1	w-48n17w8-b	9/16/2017	1116.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,010.5	1.69	--	--	1.69	48	17	8	NESE, NESW, NWSE, SENW, SESE	46.654351	-92.519885	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-b	9/16/2017	1116.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	1,316.4	2.11	--	--	2.11	48	17	8	NESE, NESW, NWSE, SENW, SESE	46.654351	-92.519885	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-b	9/16/2017	1116.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	450.0	0.77	0.53	--	1.30	48	17	8	NESE, NESW, NWSE, SENW, SESE	46.654351	-92.519885	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-b	9/16/2017	1116.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	252.5	0.69	0.32	--	1.01	48	17	8	NESE, NESW, NWSE, SENW, SESE	46.654351	-92.519885	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w8-b	9/16/2017	1116.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.50	0.09	--	0.59	48	17	8	NESE, NESW, NWSE, SENW, SESE	46.654351	-92.519885	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-a	10/8/2018	1117.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut / Bore	N/A	736.9	2.03	--	--	2.03	48	17	16	NWNW, SENW, SWNW	46.645099	-92.506088	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-a	10/8/2018	1117.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	1,177.0	1.92	--	--	1.92	48	17	16	NWNW, SENW, SWNW	46.645099	-92.506088	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-a	10/8/2018	1117.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.32	0.00	--	0.32	48	17	16	NWNW, SENW, SWNW	46.645099	-92.506088	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-a	10/8/2018	1117.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.04	0.00	--	0.04	48	17	16	NWNW, SENW, SWNW	46.645099	-92.506088	Wetlands Hydrologically Connected to Trout Streams	



Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	w-48n17w16-a	10/8/2018	1117.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.48	0.00	--	0.48	48	17	16	NWNW, SENW, SWNW	46.645099	-92.506088	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-h	6/19/2018	1118.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Bore	N/A	110.0	0.11	0.13	--	0.24	48	17	16	SENW	46.644839	-92.502132	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-f	6/19/2018	1118.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,843.7	3.02	--	--	3.02	48	17	16	SENE, SENW, SWNE	46.644169	-92.498834	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-f	6/19/2018	1118.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	576.8	1.76	0.95	--	2.70	48	17	16	SENE, SENW, SWNE	46.644169	-92.498834	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	w-48n17w16-f	6/19/2018	1118.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	110.6	0.41	0.13	--	0.54	48	17	16	SENE, SENW, SWNE	46.644169	-92.498834	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	w-48n17w15-c	9/18/2017	1119.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	114.5	0.21	--	--	0.21	48	17	15	SESE	46.635472	-92.474240		
Carlton	Nemadji River	04010301	1	CR101a1W	6/10/2014	1120.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	50.6	--	0.05	--	0.05	48	17	14	SESW	46.637276	-92.461364		
Carlton	Nemadji River	04010301	1	w-48n17w23-ab	7/18/2019	1120.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.07	--	--	0.07	48	17	23	NENW, NWNE	46.633654	-92.459437		
Carlton	Nemadji River	04010301	1	CR101d1W	6/12/2015	1120.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.01	--	--	0.01	48	17	14, 23	NENW, SESW, SWSE	46.634405	-92.459494		
Carlton	Nemadji River	04010301	1	CR101d1W	6/12/2015	1120.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.06	--	--	0.06	48	17	14, 23	NENW, SESW, SWSE	46.634405	-92.459494		
Carlton	Nemadji River	04010301	1	CR102a1W	6/10/2014	1120.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	48	17	14	SWSE	46.636020	-92.458816		
Carlton	Nemadji River	04010301	1	w-48n17w23-aa	8/8/2019	1120.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.03	--	--	0.03	48	17	23	0, NWNE	46.631922	-92.458804		
Carlton	Nemadji River	04010301	1	CR103b1W	6/9/2014	1120.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	48	17	14	SWSE	46.637612	-92.457974		
Carlton	Nemadji River	04010301	1	CR103b1W	6/9/2014	1120.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	23.6	0.01	0.03	--	0.04	48	17	14	SWSE	46.637612	-92.457974	Forested Seasonal Ponds	
Carlton	Nemadji River	04010301	1	CR103c1W	6/9/2014	1120.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	48	17	14	SWSE	46.637577	-92.457650	Forested Seasonal Ponds	
Carlton	Nemadji River	04010301	1	CR104a1W	7/15/2013	1120.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	Open Cut	N/A	53.0	0.06	--	--	0.06	48	17	14	SESE, SWSE	46.637827	-92.454111		
Carlton	Nemadji River	04010301	1	CR104a1W	7/15/2013	1120.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut / Bore Pit	N/A	96.4	0.00	0.11	--	0.11	48	17	14	SESE, SWSE	46.637827	-92.454111		
Carlton	Nemadji River	04010301	1	CR117a1W	7/15/2013	1121.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	48	17	24	SWNE	46.629929	-92.437332	Forested Seasonal Ponds	
Carlton	Nemadji River	04010301	1	CR117b1W	7/22/2014	1121.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	--	0.00	--	0.00	48	17	24	SWNE	46.629780	-92.436739		
Carlton	Nemadji River	04010301	1	CR119c1W	6/13/2013	1122.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	259.9	0.53	--	--	0.53	48	16	19	NWSW	46.624304	-92.422927	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR120a1W	6/13/2013	1122.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.09	--	--	0.09	48	16	19	NESW, SESW	46.623568	-92.421062	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR123a1W	6/13/2013	1122.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.23	--	--	0.23	48	16	30	NWNE	46.619073	-92.415702	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR124a1W	6/2/2014	1123.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.02	--	--	0.02	48	16	30	NWNE	46.618227	-92.414046	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR126a1W	6/13/2013	1123.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	326.1	0.42	--	--	0.42	48	16	30	NENE, NWNE, SENE	46.616638	-92.411472	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR126a1W	6/13/2013	1123.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.29	0.01	--	0.30	48	16	30	NENE, NWNE, SENE	46.616638	-92.411472	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR127a1W	6/14/2013	1123.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	162.8	0.41	--	--	0.41	48	16	30	SENE	46.614389	-92.407193	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR127a1W	6/14/2013	1123.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.11	--	--	0.11	48	16	30	SENE	46.614389	-92.407193	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR128a1W	6/14/2013	1123.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	182.3	0.55	--	--	0.55	48	16	29, 30	SENE, SWNW	46.613631	-92.405502	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR128a1W	6/14/2013	1123.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.33	--	--	0.33	48	16	29, 30	SENE, SWNW	46.613631	-92.405502	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR130b1W	6/14/2013	1123.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	302.4	0.51	--	--	0.51	48	16	29	NESW, SENW, SWNW	46.612664	-92.400585	Wetlands Hydrologically Connected to Trout Streams	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	CR130b1W	6/14/2013	1123.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.10	--	--	0.10	48	16	29	NESW, SENW, SWNW	46.612664	-92.400585	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR130b1W	6/14/2013	1123.8	4A - Open Bog	Type 8 - Bog	PSS	--	N/A	--	0.05	--	--	0.05	48	16	29	NESW, SENW, SWNW	46.612664	-92.400585	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR130b1W	6/14/2013	1123.8	4B - Coniferous Bog	Type 8 - Bog	PFO	--	N/A	--	0.08	--	--	0.08	48	16	29	NESW, SENW, SWNW	46.612664	-92.400585	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CR130a1W	6/14/2013	1123.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	--	--	0.04	48	16	29	NESW	46.611416	-92.398643	Wetlands Hydrologically Connected to Trout Streams, Forested Seasonal Ponds	
Carlton	St. Louis River	04010201	1	CR132_210a1W	5/20/2014	1124.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Bore	N/A	12.8	0.03	--	--	0.03	48	16	29	NESE	46.609688	-92.385478	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CA133a1W	6/12/2013	1124.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	Open Cut	N/A	162.5	0.41	--	--	0.41	48	16	28	NWSW, SWSW	46.609112	-92.380551	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR135a1W	5/19/2014	1125.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	702.8	1.05	--	--	1.05	48	16	28	NESW, SESW	46.608929	-92.377032	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR144a1W	5/19/2014	1126.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	87.2	0.15	--	--	0.15	48	16	34	NWNE	46.603382	-92.352599	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR144a1W	5/19/2014	1126.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	--	N/A	--	0.05	--	--	0.05	48	16	34	NWNE	46.603382	-92.352599	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR145a1W	6/12/2013	1126.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	232.1	0.19	--	--	0.19	48	16	34	SWNE	46.600125	-92.349674	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR145a1W	6/12/2013	1126.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	--	N/A	--	0.02	--	--	0.02	48	16	34	SWNE	46.600125	-92.349674	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR145a1W	6/12/2013	1126.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	41.2	0.11	0.05	--	0.15	48	16	34	SWNE	46.600125	-92.349674	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR147a1W	6/21/2013	1126.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	11.1	0.01	0.02	--	0.03	48	16	34	SENE	46.598203	-92.346283	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR149_200b1W	6/2/2014	1127.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	49.8	0.16	--	--	0.16	48	16	35	SWNW	46.598294	-92.341416	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CR149_200a1W	5/29/2014	1127.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.02	--	--	0.02	48	16	35	SWNW	46.598221	-92.339351	Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CRR51010_638c1W	5/31/2014	1127.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.04	0.04	--	0.08	48	16	35	SENW	46.598170	-92.337533	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Trout Streams	
Carlton	Nemadji River	04010301	1	CRR51010_638c1W	5/31/2014	1127.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	0.00	--	0.00	48	16	35	SENW	46.598170	-92.337533	Wetlands Hydrologically Connected to Trout Streams	
Carlton	St. Louis River	04010201	1	CRR51010_640a1W	6/15/2015	1127.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	0.01	--	0.02	48	16	35	SENE, SWNE	46.598047	-92.327505	Forested Seasonal Ponds	
Carlton	St. Louis River	04010201	1	CR156_200a1W	9/19/2014	1127.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.00	--	--	0.00	48	16	35	SENE	46.598120	-92.325197		
Carlton	St. Louis River	04010201	1	CR156_200a1W	9/19/2014	1127.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	29.5	0.02	0.03	--	0.04	48	16	35	SENE	46.598120	-92.325197		
Carlton	St. Louis River	04010201	1	CR156_200a1W	9/19/2014	1127.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.00	--	--	0.00	48	16	35	SENE	46.598120	-92.325197	Forested Seasonal Ponds	
Carlton	St. Louis River	04010201	1	CR157_200a1W	9/20/2014	1128.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	Open Cut	N/A	39.0	0.03	0.04	--	0.07	48	16	36	SWNW	46.598280	-92.319504		
Carlton	St. Louis River	04010201	1	CR159_200a1W	5/31/2014	1128.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	48	16	36	NESW, SENW	46.597947	-92.313948		
Carlton	St. Louis River	04010201	1	CR159_200a1W	5/31/2014	1128.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.02	--	--	0.02	48	16	36	NESW, SENW	46.597947	-92.313948	Forested Seasonal Ponds	
Carlton	St. Louis River	04010201	1	CR161b1W	9/19/2014	1128.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	36.6	0.05	--	--	0.05	48	16	36	NESE	46.596994	-92.303436		
Carlton	St. Louis River	04010201	1	CR162c1W	6/26/2015	1129.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	35.7	0.08	--	--	0.08	48	15	31	NWSW	46.596624	-92.300289		
Carlton	St. Louis River	04010201	1	CR162c1W	6/26/2015	1129.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	Open Cut	N/A	32.7	0.02	0.04	--	0.06	48	15	31	NWSW	46.596624	-92.300289	Forested Seasonal Ponds	
Carlton	St. Louis River	04010201	1	CR162b1W	6/24/2015	1129.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	255.3	0.36	--	--	0.36	48	15	31	NWSW	46.595880	-92.299101		
Carlton	St. Louis River	04010201	1	CR162b1W	6/24/2015	1129.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	--	N/A	--	0.34	--	--	0.34	48	15	31	NWSW	46.595880	-92.299101		
Carlton	St. Louis River	04010201	1	w-48n15w31-a	10/9/2014	1129.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	--	N/A	--	0.01	--	--	0.01	48	15	31	NWSW	46.596573	-92.300030	Forested Seasonal Ponds	

Line 3 Replacement Project  
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed <sup>a</sup>	Circular 39 <sup>a</sup>	Cowardin <sup>a</sup>	Crossing Method	Agency Designation	Crossing Length (feet) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category <sup>e</sup>	Occurs within Fond du Lac (FDL) Reservation
Carlton	St. Louis River	04010201	1	CR162i1W	6/29/2015	1129.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	48.8	0.06	--	--	0.06	48	15	31	NWSW	46.595853	-92.297925		
Carlton	St. Louis River	04010201	1	CR163a1W	8/1/2016	1129.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	1,005.8	1.54	--	--	1.54	48	15	31	NESW, NWSW	46.595846	-92.294659		
Carlton	St. Louis River	04010201	1	CR163b1W	8/1/2016	1129.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	Open Cut	N/A	81.3	0.18	--	--	0.18	48	15	31	NESW	46.595812	-92.292841		
TOTAL												419,560.2	764.34	230.21	8.53	1,003.08								
												79.46 miles												
<sup>a</sup> PEM = Palustrine Emergent; PSS=Palustrine Scrub Shrub; PFO = Palustrine Forested; PUB = Palustrine Unconsolidated Bottom (Cowardin et al, 1979). Eggers, S. D. and D. M. Reed. 2014. Wetland Plants and Communities of Minnesota and Wisconsin. St. Paul. U.S. Army Corps of Engineers.																								
<sup>b</sup> Crossing length of proposed pipeline centerline across wetlands. No crossing length indicates the wetland is within the construction workspace, but is not crossed by the proposed pipeline.																								
<sup>c</sup> Area of wetland impact within the construction design workspace based typically on a 95-foot-wide workspace, including temporary dredge and fill areas, travel lanes, and staging areas.																								
<sup>d</sup> Permanent conversion impacts includes the area within the new permanent easement where the pipeline corridor will be maintained by periodic clearing activities resulting in a change from forested or scrub-shrub wetland to an herbaceous wetland.																								
<sup>e</sup> Special Wetland Categories are discussed in the L3R Compensatory Wetland Mitigation Plan.																								