

Waterbody Crossings

Route ID	Milepost	County	Feature Type	Feature Name	Feature ID	Beneficial Use <sup>1,2</sup>	Use Support <sup>3</sup>	Crossing Method <sup>4</sup>	Crossing Length <sup>5</sup> (feet)	Crossing Area <sup>6,7</sup> (acres)
NDM-106	15.69	McPherson	Intermittent	unnamed waterbody	S3112MP001	--	--	WOC	6.29	0.00
NDM-106	15.69	McPherson	Intermittent	unnamed waterbody	S3112MP001	--	--	WOC	12.49	--
NDM-106	15.77	McPherson	Ephemeral	unnamed waterbody	S2244MP001	--	--	WOC	3.54	0.00
NDM-106	17.23	McPherson	Natural Pond	unnamed waterbody	O2244MP001	--	--	WOC	122.10	0.12
NDM-106	21.33	McPherson	Intermittent	Spring Creek	S3919MP002	--	--	HDD	6.18	0.01
NDT-211	89.00	Brown	Perennial	Webber Gulch	S2007BR033	--	--	HDD	161.77	0.19
NDT-211	95.46	McPherson	Intermittent	unnamed waterbody	S2007MP032	--	--	WOC	3.01	0.00
NDT-211	98.18	McPherson	Ephemeral	unnamed waterbody	S2007MC025	--	--	WOC	4.04	0.00
NDT-211	98.82	McPherson	Ephemeral	unnamed waterbody	S2007MP024	--	--	WOC	0.66	0.00
NDT-211	100.69	McPherson	Intermittent	unnamed waterbody	S3919MP003	--	--	WOC	29.46	0.03
NDT-211	104.71	McPherson	Intermittent	unnamed waterbody	S3333MP001	--	--	WOC	1.50	0.00
NDT-211	112.08	McPherson	Ephemeral	Foot Creek	S2001MP207	--	--	WOC	2.15	0.00
NDT-211	112.92	McPherson	Natural Pond	unnamed waterbody	S2001MP807	--	--	Bore	94.74	0.11
SDL-320	0.01	Sully	Ephemeral	unnamed waterbody	S2007SU009	--	--	WOC	1.02	0.00
SDL-320	12.34	Sully	Ephemeral	unnamed waterbody	S3919SU004	--	--	WOC	8.19	0.01
SDL-320	17.70	Sully	Perennial	Medicine Knoll Creek	S2015SU021	--	--	WOC	26.46	0.03
SDL-320	50.72	Hand	Ephemeral	Matter Creek	S_2_HN_019_DT	--	--	WOC	11.21	0.02
SDL-320	51.68	Hand	Ephemeral	unnamed waterbody	S2014HN004	--	--	WOC	5.16	0.01
SDL-320	63.86	Hand	Intermittent	Bryant Creek	S2012HN001	--	--	WOC	20.66	0.02
SDL-320	77.87	Spink	Ephemeral	unnamed waterbody	S2011SP003	--	--	WOC	2.04	0.00
SDM-104	27.20	Lincoln	Perennial	Big Sioux River	S2008LI004	5	non (TSS)	HDD	92.66	0.11
						7	non (Ecoli)			
						8	non (Ecoli)			
						9	full			
						10	full			
SDM-104	27.95	Lincoln	Intermittent	unnamed waterbody	S2005LI057	--	--	WOC	3.91	0.01
SDM-104	29.99	Lincoln	Ephemeral	unnamed waterbody	S_2_LI_062_DT	--	--	WOC	17.28	0.02
SDM-104	32.78	Lincoln	Ephemeral	unnamed waterbody	S2005LI058	--	--	WOC	4.00	0.00
SDM-104	35.40	Lincoln	Ephemeral	unnamed waterbody	S2005LI046	--	--	WOC	3.56	0.00
SDM-104	36.37	Lincoln	Ephemeral	unnamed waterbody	S2005LI047	--	--	WOC	5.00	0.01
SDM-104	37.44	Lincoln	Ephemeral	unnamed waterbody	S2005LI048	--	--	WOC	4.00	0.00
SDM-104	41.14	Lincoln	Ephemeral	unnamed waterbody	S2005LI059	--	--	WOC	3.13	0.00
SDM-104	41.43	Lincoln	Ephemeral	unnamed waterbody	S2005LI056	--	--	WOC	3.00	0.00
SDM-104	41.56	Lincoln	Ephemeral	unnamed waterbody	S2005LI055	--	--	WOC	3.00	0.00
SDM-104	41.57	Lincoln	Ephemeral	unnamed waterbody	S2005LI054	--	--	WOC	2.50	0.00
SDM-104	41.97	Lincoln	Ephemeral	unnamed waterbody	S2005LI053	--	--	HDD	4.02	0.00
SDM-104	43.71	Lincoln	Ephemeral	unnamed waterbody	S_2_LI_064_DT	--	--	WOC	18.91	0.02
SDM-104	44.24	Lincoln	Ephemeral	unnamed waterbody	S2005LI052	--	--	WOC	2.88	0.00
SDM-104	47.39	Lincoln	Perennial	Trib. to Beaver Creek	S2005LI064	--	--	WOC	4.00	0.00
SDM-104	49.02	Lincoln	Intermittent	unnamed waterbody	S2005LI060	--	--	WOC	8.86	0.01
SDM-104	49.35	Lincoln	Ephemeral	unnamed waterbody	S2005LI061	--	--	WOC	9.17	0.01
SDM-104	49.57	Lincoln	Ephemeral	unnamed waterbody	S2004LI035	--	--	WOC	2.03	0.00
SDM-104	49.67	Lincoln	Intermittent	unnamed waterbody	S2004LI036	--	--	WOC	3.50	0.00
SDM-104	49.91	Lincoln	Ephemeral	unnamed waterbody	S2004LI037	--	--	WOC	2.50	0.00
SDM-104	50.07	Lincoln	Ephemeral	unnamed waterbody	S2004LI038	--	--	WOC	1.02	0.00

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SDM-104	50.51	Lincoln	Ephemeral	unnamed waterbody	S2005LI063	--	--	WOC	5.01	0.01
SDM-104	50.52	Turner	Ephemeral	unnamed waterbody	S2005TU051	--	--	WOC	3.00	0.00
SDM-104	50.58	Turner	Ephemeral	unnamed waterbody	S2005TU050	--	--	WOC	3.00	0.00
SDM-104	53.75	Minnehaha	Ephemeral	unnamed waterbody	S2008MN017	--	--	WOC	10.00	0.01
SDM-104	53.93	Minnehaha	Ephemeral	unnamed waterbody	S2008MN017	--	--	WOC	8.43	0.02
SDM-104	53.94	Minnehaha	Ephemeral	unnamed waterbody	S2008MN017	--	--	WOC	5.77	--
SDM-104	54.20	Minnehaha	Perennial	unnamed waterbody	S2005MN064	--	--	WOC	7.96	0.02
SDM-104	57.43	Minnehaha	Ephemeral	unnamed waterbody	S2020MN002	--	--	WOC	1.74	0.00
SDM-104	61.24	Minnehaha	Ephemeral	unnamed waterbody	S2005MN068	--	--	WOC	3.01	0.00
SDM-104	61.54	Minnehaha	Ephemeral	unnamed waterbody	S2005MN067	--	--	WOC	2.35	0.00
SDM-104	63.77	Minnehaha	Ephemeral	unnamed waterbody	S2015MN001	--	--	HDD	4.13	0.00
SDM-104	70.44	Minnehaha	Ephemeral	unnamed waterbody	S2005MN069	--	--	WOC	1.63	0.00
SDM-104	76.44	Minnehaha	Ephemeral	West Branch Skunk Creek	S2002MI075	--	--	WOC	2.38	0.00
SDM-104	80.41	Minnehaha	Ephemeral	unnamed waterbody	S2006MN023	--	--	WOC	5.44	0.00
SDM-104	84.50	Lake	Ephemeral	unnamed waterbody	S2008LA007	--	--	WOC	3.87	0.00
SDM-104	84.51	Lake	Ephemeral	unnamed waterbody	S2008LA008	--	--	WOC	3.87	0.00
SDM-104	86.52	Lake	Ephemeral	unnamed waterbody	S2003LA038	--	--	WOC	5.28	0.01
SDM-104	88.65	Lake	Ephemeral	unnamed waterbody	S2002LA013	--	--	WOC	3.12	0.00
SDM-104	89.82	Lake	Ephemeral	unnamed waterbody	S2002LA032	--	--	WOC	1.00	0.00
SDM-104	90.61	Lake	Ephemeral	unnamed waterbody	S2002LA031	--	--	WOC	1.21	0.00
SDM-104	92.61	Lake	Ephemeral	unnamed waterbody	S2010LA015	--	--	WOC	3.08	0.00
SDM-104	92.99	Lake	Ephemeral	unnamed waterbody	S2002LA030	--	--	WOC	4.02	0.00
SDM-104	93.67	Lake	Ephemeral	unnamed waterbody	S2013LA002	--	--	WOC	4.69	0.01
SDM-104	94.25	Lake	Ephemeral	unnamed waterbody	S2002LA027	--	--	WOC	1.00	0.00
SDM-104	94.60	Lake	Ephemeral	unnamed waterbody	S2002LA026	--	--	WOC	1.01	0.00
SDM-104	94.92	Lake	Intermittent	unnamed waterbody	S2002LA025	--	--	WOC	2.02	0.00
SDM-104	95.29	Lake	Ephemeral	unnamed waterbody	S2002LA023	--	--	WOC	1.54	0.00
SDM-104	96.52	Lake	Intermittent	unnamed waterbody	S2002LA020	--	--	WOC	7.79	0.01
SDM-104	97.12	Lake	Perennial	East Fork Vermillion River	S2002LA073	--	--	WOC	88.99	0.12
SDM-104	97.25	Lake	Ephemeral	unnamed waterbody	S2002LA074	--	--	WOC	5.00	0.01
SDM-104	97.96	Lake	Ephemeral	unnamed waterbody	S2002LA011	--	--	WOC	10.23	0.01
SDM-104	98.02	Lake	Ephemeral	unnamed waterbody	S2002LA012	--	--	WOC	4.38	0.00
SDM-104	99.50	Lake	Natural Pond	unnamed waterbody	S2010LA016	--	--	WOC	66.00	0.07
SDM-104	108.38	Miner	Intermittent	unnamed waterbody	S2015MI005	--	--	WOC	6.44	0.01
SDM-104	111.98	Miner	Ephemeral	unnamed waterbody	S2014MI005	--	--	WOC	8.29	0.02
SDM-104	120.46	Kingsbury	Ephemeral	unnamed waterbody	S2006KI034	--	--	WOC	1.31	0.00
SDM-104	125.76	Kingsbury	Ephemeral	unnamed waterbody	S2014KI007	--	--	WOC	9.79	0.01
SDM-104	126.86	Kingsbury	Ephemeral	unnamed waterbody	S2005KI017	--	--	WOC	4.52	0.00
SDM-104	128.18	Kingsbury	Intermittent	unnamed waterbody	S2015KI006	--	--	WOC	5.29	0.01
SDM-104	128.58	Kingsbury	Perennial	Redstone Creek	S2005KI018	6	--	WOC	53.58	0.06
						8	--			
						9	--			
						10	--			
SDM-104	130.09	Kingsbury	Ephemeral	unnamed waterbody	S2015KI007	--	--	WOC	2.00	0.00
SDM-104	139.27	Kingsbury	Ephemeral	unnamed waterbody	S2015KI030	--	--	WOC	5.17	0.00

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SDM-104	141.98	Kingsbury	Natural Pond	unnamed waterbody	S2014KI008	--	--	WOC	68.85	0.08
SDM-104	147.44	Beadle	Ephemeral	unnamed waterbody	S2015BE008	--	--	WOC	7.52	0.01
SDM-104	148.41	Beadle	Ephemeral	unnamed waterbody	S2015BE009	--	--	WOC	8.01	0.01
SDM-104	149.00	Beadle	Ephemeral	unnamed waterbody	S2015BE010	--	--	WOC	8.81	0.01
SDM-104	149.22	Beadle	Natural Pond	unnamed waterbody	S2015BE011	--	--	WOC	30.45	0.04
SDM-104	151.18	Beadle	Ephemeral	unnamed waterbody	S2014BE009	--	--	WOC	4.17	0.00
SDM-105	3.07	Beadle	Perennial	Shue Creek	S2022BE002	--	--	WOC	9.49	0.01
SDM-105	4.29	Beadle	Perennial	Trib. To Shue Creek	S2022BE003	--	--	WOC	34.32	0.03
SDM-105	15.08	Spink	Intermittent	Foster Creek	S2007SP007	--	--	WOC	51.53	0.05
SDM-105	18.65	Spink	Ephemeral	unnamed waterbody	S2007SP005	--	--	WOC	6.19	0.01
SDM-105	18.93	Spink	Ephemeral	unnamed waterbody	S2007SP004	--	--	WOC	26.22	0.03
SDM-105	20.21	Spink	Ephemeral	unnamed waterbody	S2007SP031	--	--	WOC	3.11	0.00
SDM-105	31.08	Spink	Perennial	Timber Creek	S2023SP020	6	--	WOC	83.67	0.10
						8	--			
						9	--			
						10	--			
SDM-105	39.47	Spink	Ephemeral	unnamed waterbody	S2004SP008	--	--	WOC	4.03	0.00
SDM-105	40.58	Spink	Perennial	Dry Run	S3112SP002	--	--	WOC	82.35	0.10
SDM-105	52.12	Spink	Perennial	unnamed waterbody	S2014SP003	--	--	HDD	95.78	0.11
SDM-105	52.14	Spink	Perennial	James River	S_2_SP_072_DT	5	--	HDD	81.89	0.10
						8	--			
						9	--			
						10	--			
SDM-105	63.04	Brown	Intermittent	unnamed waterbody	S2001BR011	--	--	WOC	50.49	0.06
SDM-105	63.86	Brown	Intermittent	unnamed waterbody	S2001BR010	--	--	HDD	85.00	0.10
SDM-105	70.05	Brown	Ephemeral	unnamed waterbody	S2002BR005	--	--	WOC	13.14	0.02
SDM-105	74.07	Brown	Perennial	Snake Creek	S2001BR008	6	--	WOC	17.07	0.02
						8	--			
						9	--			
						10	--			
SDM-105	83.02	Edmunds	Ephemeral	unnamed waterbody	S2014ED027	--	--	WOC	4.01	0.00
SDM-105	83.03	Edmunds	Ephemeral	unnamed waterbody	S2014ED028	--	--	WOC	4.01	0.00
SDM-105	95.84	Edmunds	Intermittent	unnamed waterbody	S2014ED031	--	--	WOC	11.60	0.01
SDM-105	96.45	Edmunds	Intermittent	unnamed waterbody	S2014ED029	--	--	WOC	16.18	0.02
SDM-105	97.42	McPherson	Ephemeral	unnamed waterbody	S2001MP016	--	--	WOC	4.04	0.00
SDM-105	99.25	McPherson	Ephemeral	unnamed waterbody	S2014MP035	--	--	WOC	17.31	0.02
SDM-105	99.51	McPherson	Intermittent	unnamed waterbody	S2014MP034	--	--	WOC	45.67	0.05
SDM-105	101.44	McPherson	Ephemeral	unnamed waterbody	S2001MP102	--	--	WOC	4.04	0.00
SDM-105	105.96	McPherson	Ephemeral	unnamed waterbody	S3919MP005	--	--	WOC	9.89	0.01
SDT-206	3.34	Lake	Natural Pond	unnamed waterbody	S2015LA002			HDD	264.73	0.30
SDT-206	3.40	Lake	Open Water	Brant Lake	S_2_LA_007_DT	4	full	HDD	187.17	0.22
						7	full			
						8	full			
						9	full			
SDT-206	3.56	Lake	Natural Pond	unnamed waterbody	S2006LA030	--	--	HDD	381.39	0.44

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SDT-206	4.76	Lake	Ephemeral	unnamed waterbody	S2006LA031	--	--	WOC	11.67	0.01
SDT-206	5.51	Lake	Intermittent	unnamed waterbody	S2015LA004	--	--	WOC	10.32	0.01
SDT-206	7.75	Lake	Ephemeral	unnamed waterbody	S2005LA073	--	--	WOC	1.34	0.00
SDT-206	14.29	Lake	Intermittent	unnamed waterbody	S2005LA070	--	--	WOC	1.04	0.00
SDT-207	0.19	Beadle	Perennial	unnamed waterbody	S2005BE025	--	--	WOC	4.07	0.00
SDT-207	2.22	Beadle	Ephemeral	unnamed waterbody	S2002BE077	--	--	WOC	5.00	0.01
SDT-207	3.93	Beadle	Ephemeral	unnamed waterbody	S2005BE021	--	--	WOC	4.00	0.00
SDT-207	4.30	Beadle	Ephemeral	unnamed waterbody	S2005BE022	--	--	WOC	7.09	0.01
SDT-207	5.17	Beadle	Ephemeral	unnamed waterbody	S2005BE024	--	--	WOC	3.50	0.00
SDT-207	10.65	Beadle	Intermittent	unnamed waterbody	S2007BE029	--	--	HDD	12.75	0.02
SDT-207	11.00	Beadle	Perennial	James River	S2008BE002	1	non (TDS)	HDD	1996.67	2.29
						5	Full			
						8	Full			
						9 <sup>3</sup>	Full			
						10 <sup>3</sup>	Full			
SDT-207	11.79	Beadle	Ephemeral	unnamed waterbody	S2008BE003	--	--	WOC	5.51	0.01
SDT-207	11.80	Beadle	Ephemeral	unnamed waterbody	S2008BE004	--	--	WOC	5.50	0.01
SDT-207	12.18	Beadle	Ephemeral	unnamed waterbody	S2008BE005	--	--	WOC	8.08	0.01
SDT-207	18.01	Beadle	Perennial	Shue Creek	S2005BE020	--	--	WOC	70.99	0.08
SDT-207	22.27	Beadle	Ephemeral	unnamed waterbody	S2002BE082	--	--	WOC	4.02	0.00
SDT-208	0.20	Codington	Perennial	Big Sioux River	S3112CO003	5	--	HDD	59.03	0.07
						8	--			
						9	--			
						10	--			
SDT-208	0.69	Codington	Perennial	Big Sioux River	S3112CO003	5	--	HDD	34.29	0.04
						8	--			
						9	--			
						10	--			
SDT-208	2.19	Codington	Ephemeral	unnamed waterbody	S_9_CD_001_DT	--	--	WOC	79.46	0.06
SDT-208	8.10	Codington	Perennial	Trib. to Big Sioux River	S2014CD023	--	--	WOC	29.64	0.02
SDT-208	10.21	Codington	Ephemeral	unnamed waterbody	S2006CD016	--	--	WOC	19.05	0.01
SDT-208	10.21	Codington	Ephemeral	unnamed waterbody	S2006CD016	--	--	WOC	23.56	--
SDT-208	11.16	Codington	Intermittent	unnamed waterbody	S2014CD025	--	--	WOC	16.38	0.01
SDT-208	11.65	Codington	Ephemeral	unnamed waterbody	S2006CD015	--	--	WOC	4.06	0.00
SDT-208	17.24	Hamlin	Ephemeral	unnamed waterbody	S2006HA013	--	--	WOC	24.08	0.02
SDT-208	18.00	Hamlin	Ephemeral	unnamed waterbody	S2006HA014	--	--	WOC	3.01	0.00
SDT-208	18.81	Hamlin	Ephemeral	unnamed waterbody	S2014HA018	--	--	WOC	2.23	0.00
SDT-208	19.35	Hamlin	Ephemeral	unnamed waterbody	S2014HA019	--	--	WOC	23.23	0.03
SDT-208	22.28	Hamlin	Natural Pond	unnamed waterbody	S2014HA022	--	--	WOC	60.92	0.07
SDT-208	24.33	Hamlin	Ephemeral	unnamed waterbody	S2015HA042	--	--	WOC	2.09	0.00
SDT-208	25.53	Hamlin	Intermittent	unnamed waterbody	S2015HA032	--	--	WOC	3.75	0.00
SDT-208	27.33	Clark	Natural Pond	unnamed waterbody	S2002CL059	--	--	WOC	153.76	0.18
SDT-208	29.26	Clark	Natural Pond	unnamed waterbody	S2014CL017	--	--	HDD	269.04	0.31
SDT-208	29.31	Clark	Natural Pond	unnamed waterbody	S2014CL016	--	--	HDD	119.29	0.14
SDT-208	29.36	Clark	Natural Pond	unnamed waterbody	S2014CL016	--	--	HDD	7.20	0.03

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SDT-208	31.61	Clark	Intermittent	unnamed waterbody	S2006CL012	--	--	WOC	13.16	0.02
SDT-208	35.71	Clark	Intermittent	unnamed waterbody	S2004CL028	--	--	WOC	18.10	0.02
SDT-208	39.37	Clark	Ephemeral	unnamed waterbody	S2004CL030	--	--	WOC	2.74	0.00
SDT-208	40.02	Clark	Natural Pond	unnamed waterbody	S2006CL039	--	--	HDD	288.78	0.33
SDT-208	43.44	Clark	Ephemeral	Redstone Creek	S2006CL026	--	--	WOC	1.04	0.00
SDT-208	46.35	Clark	Ephemeral	unnamed waterbody	S2006CL037	--	--	WOC	1.21	0.00
SDT-208	46.45	Clark	Ephemeral	unnamed waterbody	S2006CL038	--	--	WOC	2.00	0.00
SDT-208	48.37	Beadle	Ephemeral	unnamed waterbody	S2002BE058	--	--	WOC	2.64	0.00
SDT-208	49.11	Beadle	Ephemeral	unnamed waterbody	S2006BE035	--	--	WOC	1.02	0.00
SDT-208	49.40	Beadle	Ephemeral	unnamed waterbody	S2006BE036	--	--	WOC	1.56	0.00
SDT-209	0.41	Spink	Ephemeral	unnamed waterbody	S2004SP012	--	--	WOC	8.98	0.01
SDT-209	0.42	Spink	Ephemeral	unnamed waterbody	S2004SP011	--	--	WOC	9.97	0.01
SDT-209	0.97	Spink	Ephemeral	unnamed waterbody	S2004SP010	--	--	HDD	41.69	0.05
SDT-209	1.04	Spink	Perennial	James River	S2004SP009	5	--	HDD	116.64	0.13
						8	--			
						9	--			
						10	--			
SDT-209	3.12	Spink	Ephemeral	unnamed waterbody	S2001SP048	--	--	WOC	1.10	0.00
SDT-209	5.20	Spink	Ephemeral	unnamed waterbody	S2011SP002	--	--	WOC	2.09	0.00
SDT-209	7.05	Spink	Open Water	unnamed waterbody	S_2_SP_009_DT	--	--	WOC	111.45	0.13
SDT-209	9.61	Spink	Perennial	Dry Run	S2015SP017	--	--	HDD	99.37	0.12
SDT-209	11.42	Spink	Ephemeral	unnamed waterbody	S2015SP016	--	--	WOC	4.00	0.00
SDT-210	6.45	Brown	Intermittent	unnamed waterbody	S2015BR022	--	--	Bore	78.71	0.08
SDT-210	8.99	Brown	Ephemeral	Snake Creek	S_2_BR_048_DT	6	--	WOC	10.56	0.01
						8	--			
						9	--			
						10	--			
SDT-210	9.33	Brown	Ephemeral	unnamed waterbody	S_9_BR_001_DT	--	--	WOC	23.22	0.03

Notes:

<sup>1</sup> Beneficial uses are as follows: (1) Domestic water supply waters; (2) Coldwater permanent fish life propagation waters; (3) Coldwater marginal fish life propagation waters; (4) Warmwater permanent fish life propagation waters; (5) Warmwater semipermanent fish life propagation waters; (6) Warmwater marginal fish life propagation waters; (7) Immersion recreation waters; (8) Limited-contact recreation waters; (9) Fish and wildlife propagation, recreation, and stock watering waters; (10) Irrigation waters; and (11) Commerce and industry waters.

<sup>2</sup> Beneficial use from The 2022 South Dakota Integrated Report for Surface Water Quality Assessment (South Dakota Department of Environment and Natural Resources), South Dakota Department of Agriculture Surface Water Quality website, and S.D. Admin. R. 74:51:03.

<sup>3</sup> Support of designated uses from The 2022 South Dakota Integrated Report for Surface Water Quality Assessment (South Dakota Department of Environment and Natural Resources); full = full support, non = non support, INT = insufficient sampling information (limited sample data). TDS = total dissolved solids; TSS = total suspended solids; E. coli = the bacterium Escherichia coli.

<sup>4</sup> Crossing methods are wet open cut (WOC), horizontal directional drill (HDD), or bore.

<sup>5</sup> Crossing lengths are centerline of the waterbody.

<sup>6</sup> Crossing area is ROW within the waterbody.

<sup>7</sup> "--" indicates a wetland crossed more than once by the centerline in which impacts were duplicated and therefore not included.

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
NDM-106	0.35	McPherson	PEM	W3919MP315	WOC	417.18	0.43
NDM-106	0.82	McPherson	PEM	W3919MP317	WOC	56.23	0.06
NDM-106	1.05	McPherson	PEM	W2244MP037	WOC	15.40	0.02
NDM-106	1.41	McPherson	PEM	W2244MP036	WOC	32.65	0.04
NDM-106	1.66	McPherson	PEM	W2004MP103	HDD	271.14	0.27
NDM-106	1.81	McPherson	PEM	W2004MP103	WOC	71.14	0.09
NDM-106	2.27	McPherson	PEM	W2011MP013	WOC	494.97	0.52
NDM-106	2.44	McPherson	PEM	W2011MP012	WOC	43.62	0.05
NDM-106	2.58	McPherson	PEM	W2011MP012	WOC	67.29	0.08
NDM-106	3.41	McPherson	PEM	W2001MP012	WOC	18.29	0.02
NDM-106	6.07	McPherson	PEM	W2001MP008	WOC	76.33	0.08
NDM-106	7.05	McPherson	PEM	W2011MP009	HDD	315.80	0.29
NDM-106	7.09	McPherson	PEM	W3919MP013	HDD	37.14	0.11
NDM-106	7.10	McPherson	PEM	W3919MP013	HDD	58.27	0.04
NDM-106	7.33	McPherson	PEM	W2011MP007	HDD	86.41	0.09
NDM-106	8.95	McPherson	PEM	W3919MP005	WOC	62.34	0.06
NDM-106	10.37	McPherson	PEM	W3919MP059	WOC	77.32	0.10
NDM-106	10.79	McPherson	PEM	W3919MP003	WOC	36.74	0.04
NDM-106	11.06	McPherson	PEM	W3919MP325	WOC	279.84	0.32
NDM-106	11.21	McPherson	PEM	W3919MP324	WOC	151.08	0.17
NDM-106	11.53	McPherson	PEM	W3919MP312	WOC	577.25	0.71
NDM-106	11.59	McPherson	PEM	W3919MP312	WOC	42.69	--
NDM-106	11.80	McPherson	PEM	W2014MP007	WOC	104.89	0.12
NDM-106	11.86	McPherson	PEM	W2014MP007	WOC	299.97	0.34
NDM-106	11.99	McPherson	PEM	W2004MP129	WOC	15.72	0.02
NDM-106	12.37	McPherson	PEM	W2004MP126	Bore	56.02	0.06
NDM-106	14.52	McPherson	PEM	W2014MP001	WOC	270.95	0.31
NDM-106	16.06	McPherson	PEM	W2244MP003	WOC	99.36	0.11
NDM-106	16.18	McPherson	PEM	W2244MP005	WOC	64.34	0.07
NDM-106	17.21	McPherson	PEM	W2244MP007	WOC	79.03	0.17
NDM-106	17.25	McPherson	PEM	W2244MP007	WOC	54.20	--
NDM-106	18.05	McPherson	PEM	W2001MP136	WOC	26.54	0.04
NDM-106	19.37	McPherson	PEM	W2020MP009	WOC	7.98	0.02
NDM-106	19.62	McPherson	PEM	W2001MP144	WOC	191.32	0.22
NDM-106	19.76	McPherson	PEM	W_2_MP_711_DT	WOC	102.62	0.12
NDM-106	21.32	McPherson	PEM	W3919MP018	HDD	138.63	0.16
NDM-106	21.34	McPherson	PEM	W3919MP018	HDD	56.39	0.06
NDM-106	21.50	McPherson	PEM	W3919MP017	HDD	127.83	0.15
NDM-106	21.53	McPherson	PEM	W3919MP017	HDD	13.23	
NDM-106	22.11	McPherson	PEM	W3919MP025	WOC	181.19	0.20
NDM-106	22.84	McPherson	PEM	W3919MP030	WOC	241.16	0.27
NDM-106	25.74	McPherson	PEM	W2009MP038	WOC	63.45	0.07
NDT-211	88.97	Brown	PEM	W2007BR070	HDD	149.50	0.17
NDT-211	89.56	Brown	PEM	W2023BR165	WOC	9.30	0.01
NDT-211	90.11	Brown	PEM	W2004BR124	WOC	9.11	0.01
NDT-211	90.43	Brown	PEM	W_2_MP_151_DT	WOC	189.47	0.21
NDT-211	90.91	Brown	PEM	W2006MP105	WOC	58.56	0.07
NDT-211	91.68	Brown	PEM	W2006MP108	WOC	154.09	0.18
NDT-211	92.03	McPherson	PEM	W2006MP109	WOC	17.39	0.03
NDT-211	92.33	McPherson	PEM	W2006MP110	WOC	41.28	0.05
NDT-211	93.14	McPherson	PEM	W2006MP113	WOC	201.37	0.22
NDT-211	93.69	McPherson	PEM	W2006MP116	WOC	53.27	0.06
NDT-211	93.73	McPherson	PEM	W2006MP116	WOC	34.88	0.04
NDT-211	94.56	McPherson	PEM	W2014MP085	WOC	31.86	0.04
NDT-211	94.98	McPherson	PEM	W2007MC065	WOC	67.34	0.08
NDT-211	95.46	McPherson	PEM	W2007MC064	WOC	31.65	0.04
NDT-211	95.47	McPherson	PEM	W2007MC064	WOC	17.18	0.02
NDT-211	95.79	McPherson	PEM	W2007MC063	WOC	29.15	0.04
NDT-211	95.97	McPherson	PEM	W2007MC062	WOC	96.49	0.11
NDT-211	96.31	McPherson	PEM	W2007MC060	WOC	143.98	0.16
NDT-211	96.53	McPherson	PEM	W3919MP061	WOC	5.60	0.01
NDT-211	97.36	McPherson	PEM	W2006MP101	WOC	50.26	0.06
NDT-211	97.46	McPherson	PEM	W2006MP102	WOC	93.17	0.11
NDT-211	97.69	McPherson	PEM	W2006MP103	WOC	38.24	0.07
NDT-211	97.71	McPherson	PEM	W2006MP103	WOC	26.85	--
NDT-211	97.78	McPherson	PEM	W2006MP104	WOC	10.52	0.02
NDT-211	97.86	McPherson	PEM	W2006MP104	WOC	4.96	0.73
NDT-211	97.93	McPherson	PEM	W2006MP104	WOC	625.33	--
NDT-211	98.15	McPherson	PEM	W_2_MP_345_DT	WOC	197.71	0.23
NDT-211	99.43	McPherson	PEM	W3919MP098	WOC	85.77	0.10
NDT-211	99.56	McPherson	PEM	W2014MP145	WOC	18.66	0.02
NDT-211	100.23	McPherson	PEM	W2014MP148	WOC	11.88	0.02
NDT-211	100.25	McPherson	PEM	W2014MP147	WOC	45.32	0.03
NDT-211	100.44	McPherson	PEM	W3919MP045	WOC	645.80	0.68
NDT-211	100.69	McPherson	PEM	W3919MP044	WOC	1.28	0.00
NDT-211	100.69	McPherson	PEM	W3919MP044	WOC	1.95	0.00
NDT-211	101.24	McPherson	PEM	W_2_MP_415_DT	WOC	156.79	0.18
NDT-211	104.71	McPherson	PEM	W3333MP002	WOC	10.74	0.01
NDT-211	104.71	McPherson	PEM	W3333MP002	WOC	1.50	0.00
NDT-211	104.71	McPherson	PEM	W3333MP002	WOC	16.87	0.02
NDT-211	106.70	McPherson	PEM	W3919MP076	WOC	80.28	0.05
NDT-211	106.72	McPherson	PEM	W3919MP076	WOC	41.61	0.06
NDT-211	107.11	McPherson	PEM	W3919MP077	WOC	35.65	0.04
NDT-211	108.55	McPherson	PEM	W2020MP010	WOC	49.14	0.05
NDT-211	109.49	McPherson	PEM	W2014MP084	WOC	43.23	0.04
NDT-211	109.51	McPherson	PEM	W2014MP083	WOC	62.96	0.05
NDT-211	110.14	McPherson	PEM	W2022MP004	WOC	52.76	0.04
NDT-211	110.51	McPherson	PEM	W2022MP001	WOC	37.50	0.04

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
NDT-211	110.71	McPherson	PEM	W2014MP082	WOC	38.87	0.05
NDT-211	110.83	McPherson	PEM	W2014MP080	WOC	24.39	0.03
NDT-211	111.61	McPherson	PEM	W3919MP330	WOC	98.53	0.11
NDT-211	111.74	McPherson	PEM	W3919MP331	WOC	60.91	0.06
NDT-211	112.26	McPherson	PEM	W2001MP220	WOC	206.43	0.18
NDT-211	112.52	McPherson	PEM	W3919MP329	WOC	207.85	0.24
NDT-211	112.91	McPherson	PEM	W3919MP327	Bore	39.49	0.05
NDT-211	112.94	McPherson	PEM	W3919MP319	Bore	119.65	0.14
SDL-320	6.60	Sully	PEM	W3919SU055	WOC	11.84	0.02
SDL-320	6.68	Sully	PEM	W3919SU055	WOC	19.14	0.02
SDL-320	8.01	Sully	PEM	W3919SU057	WOC	26.36	0.03
SDL-320	15.60	Sully	PEM	W2007SU032	WOC	11.42	0.02
SDL-320	17.67	Sully	PEM	W2015SU084	WOC	358.42	0.42
SDL-320	17.74	Sully	PEM	W2015SU084	WOC	411.22	0.47
SDL-320	20.94	Hyde	PEM	W3919HY307	WOC	365.05	0.42
SDL-320	21.29	Hyde	PEM	W3919HY308	WOC	4.56	0.03
SDL-320	21.41	Hyde	PEM	W3919HY309	WOC	454.05	0.52
SDL-320	21.75	Hyde	PEM	W3919HY310	WOC	52.56	0.06
SDL-320	21.78	Hyde	PEM	W3919HY310	WOC	156.14	0.18
SDL-320	24.44	Hyde	PEM	U2001HY100	WOC	20.35	0.02
SDL-320	24.75	Hyde	PEM	W2001HY101	WOC	124.80	0.15
SDL-320	26.12	Hyde	PEM	W2007HY034	WOC	42.13	0.05
SDL-320	26.30	Hyde	PEM	W2007HY035	WOC	225.57	0.26
SDL-320	27.50	Hyde	PEM	W2001HY102	WOC	26.16	0.08
SDL-320	27.96	Hyde	PEM	W2020HY015	WOC	174.97	0.19
SDL-320	28.24	Hyde	PEM	W2015HY188	WOC	25.38	0.04
SDL-320	29.21	Hyde	PEM	W2015HY187	WOC	4.95	0.02
SDL-320	29.21	Hyde	PEM	W2015HY187	HDD	32.64	0.03
SDL-320	29.23	Hyde	PEM	W2015HY080	HDD	78.91	0.09
SDL-320	29.59	Hyde	PEM	W2015HY078	HDD	119.79	0.13
SDL-320	33.07	Hyde	PEM	W2001HY108	WOC	150.15	0.17
SDL-320	33.42	Hyde	PEM	W2001HY104	WOC	261.28	0.30
SDL-320	36.84	Hyde	PEM	W2022HY043	WOC	100.16	0.13
SDL-320	36.86	Hyde	PEM	W2022HY043	WOC	4.54	--
SDL-320	36.94	Hyde	PEM	W2022HY044	WOC	40.37	0.04
SDL-320	36.98	Hyde	PEM	W2022HY046	WOC	112.15	0.09
SDL-320	37.61	Hyde	PEM	W2011HY041	WOC	12.84	0.01
SDL-320	37.75	Hyde	PEM	W2011HY040	WOC	328.57	0.37
SDL-320	37.92	Hyde	PEM	W2011HY039	WOC	514.98	0.59
SDL-320	39.06	Hand	PEM	W2011HN038	WOC	94.69	0.11
SDL-320	39.76	Hand	PEM	W2244HA010	WOC	114.61	0.13
SDL-320	39.86	Hand	PEM	W2244HA010	WOC	92.64	0.21
SDL-320	41.38	Hand	PEM	W2001HN073	WOC	78.23	0.09
SDL-320	42.05	Hand	PEM	W2001HN072	WOC	97.34	0.10
SDL-320	42.55	Hand	PEM	W2001HN070	WOC	50.91	0.07
SDL-320	43.42	Hand	PEM	W2001HN069	WOC	36.46	0.05
SDL-320	44.81	Hand	PEM	W2015HN070	Bore	16.56	0.02
SDL-320	44.85	Hand	PEM	W2014HN028	Bore	21.96	0.02
SDL-320	45.05	Hand	PEM	W2014HN029	WOC	93.50	0.11
SDL-320	45.37	Hand	PEM	W2001HN063	WOC	208.93	0.24
SDL-320	45.48	Hand	PEM	W2001HN062	WOC	135.04	0.15
SDL-320	46.06	Hand	PEM	W2001HN060	WOC	42.75	0.05
SDL-320	46.69	Hand	PEM	W2001HN059	WOC	316.13	0.35
SDL-320	48.89	Hand	PEM	W2014HN027	WOC	9.12	0.01
SDL-320	48.91	Hand	PEM	W2014HN026	WOC	7.69	0.01
SDL-320	49.78	Hand	PEM	W2014HN025	WOC	34.26	0.04
SDL-320	51.98	Hand	PEM	W2014HN023	WOC	68.47	0.08
SDL-320	53.09	Hand	PEM	W2022HN050	WOC	31.43	0.03
SDL-320	53.52	Hand	PEM	W2022HN054	WOC	51.40	0.06
SDL-320	53.86	Hand	PEM	W2014HN103	WOC	25.83	0.04
SDL-320	55.22	Hand	PEM	W2005HN103	WOC	203.88	0.23
SDL-320	57.21	Hand	PEM	W2002HA070	WOC	289.58	0.33
SDL-320	57.76	Hand	PEM	W2001HN112	WOC	165.92	0.19
SDL-320	58.25	Hand	PEM	W2001HN114	WOC	50.36	0.06
SDL-320	58.33	Hand	PEM	W2005HN110	HDD	66.62	0.05
SDL-320	58.44	Hand	PEM	W2005HN109	HDD	217.83	0.25
SDL-320	58.67	Hand	PEM	W2005HN108	HDD	19.11	0.02
SDL-320	58.73	Hand	PEM	W2005HN107	HDD	256.97	0.30
SDL-320	58.83	Hand	PEM	W2005HN107	HDD	363.81	0.41
SDL-320	58.93	Hand	PEM	W2005HN106	WOC	130.03	0.15
SDL-320	59.32	Hand	PEM	W2005HN105	WOC	11.06	0.01
SDL-320	60.76	Hand	PEM	W2004HN097	WOC	775.53	0.89
SDL-320	61.64	Hand	PEM	W2005HN112	WOC	720.30	0.83
SDL-320	62.36	Hand	PEM	W2005HN113	WOC	170.52	0.19
SDL-320	62.68	Hand	PEM	W2011HN037	WOC	1192.89	1.37
SDL-320	62.95	Hand	PEM	W2011HN036	WOC	154.81	0.18
SDL-320	63.86	Hand	PEM	W2012HN015	WOC	33.75	0.04
SDL-320	64.15	Hand	PEM	W2012HN014	WOC	142.92	0.16
SDL-320	64.43	Hand	PEM	W2012HN013_W1	WOC	94.93	0.11
SDL-320	64.57	Hand	PEM	W2012HN012	WOC	202.64	0.23
SDL-320	64.69	Hand	PEM	W2012HN011	WOC	8.38	0.33
SDL-320	64.72	Hand	PEM	W2012HN011	WOC	283.35	--
SDL-320	64.83	Hand	PEM	W2012HN011	WOC	476.02	0.54
SDL-320	64.93	Hand	PEM	W2012HN010	WOC	70.08	0.07
SDL-320	65.10	Hand	PEM	W2012HN008	WOC	182.58	0.21
SDL-320	65.50	Hand	PEM	W2012HN007	WOC	924.65	1.02
SDL-320	65.82	Hand	PEM	W2012HN005	HDD	180.86	0.21
SDL-320	65.95	Hand	PEM	W2012HN004	HDD	573.76	0.66

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDL-320	66.01	Hand	PEM	W2012HN004	WOC	47.16	0.05
SDL-320	66.28	Hand	PEM	W2015HN064	HDD	27.43	0.10
SDL-320	66.30	Hand	PEM	W2015HN064	HDD	52.96	--
SDL-320	67.70	Hand	PEM	W2015HN061	WOC	88.03	0.11
SDL-320	68.26	Hand	PEM	W2001SP064	WOC	122.49	0.12
SDL-320	68.37	Hand	PEM	W2004HN068	WOC	560.65	0.63
SDL-320	69.13	Hand	PEM	W2011HN032	WOC	953.00	1.09
SDL-320	69.45	Hand	PEM	W2011HN031	WOC	129.96	0.14
SDL-320	69.55	Hand	PEM	W2011HN030	WOC	26.20	0.02
SDL-320	69.75	Hand	PEM	W2011HN029	WOC	399.01	0.46
SDL-320	69.92	Hand	PEM	W2004HN059	WOC	85.94	0.10
SDL-320	70.23	Spink	PEM	W2004SP056	WOC	306.92	0.35
SDL-320	70.38	Spink	PEM	W2004SP055	WOC	458.27	0.50
SDL-320	70.89	Spink	PEM	W2011SP026	WOC	513.70	0.59
SDL-320	71.00	Spink	PEM	W2011SP025	WOC	132.91	0.15
SDL-320	71.09	Spink	PEM	W2001SP157	WOC	762.66	0.88
SDL-320	71.24	Spink	PEM	W2001SP157	WOC	295.61	0.58
SDL-320	71.30	Spink	PEM	W2001SP157	WOC	192.21	--
SDL-320	71.45	Spink	PEM	W2001SP157	WOC	489.11	0.56
SDL-320	72.05	Spink	PEM	W2015SP059	WOC	96.92	0.11
SDL-320	72.08	Spink	PEM	W2015SP058	WOC	120.99	0.13
SDL-320	72.14	Spink	PEM	W2015SP057	WOC	263.93	0.30
SDL-320	72.52	Spink	PEM	W2001SP057	WOC	52.15	0.07
SDL-320	72.58	Spink	PEM	W2001SP057	WOC	121.74	0.14
SDL-320	72.63	Spink	PEM	W2001SP056	WOC	56.76	0.07
SDL-320	72.66	Spink	PEM	W2001SP058	WOC	20.88	0.11
SDL-320	72.67	Spink	PEM	W2001SP058	WOC	65.53	--
SDL-320	72.70	Spink	PEM	W2001SP058	WOC	87.07	0.11
SDL-320	72.73	Spink	PEM	W2001SP058	WOC	34.72	0.04
SDL-320	75.61	Spink	PEM	W3333SP001	WOC	324.70	0.39
SDL-320	75.65	Spink	PEM	W3333SP001	WOC	21.56	--
SDL-320	75.67	Spink	PEM	W3333SP001	WOC	69.97	0.09
SDL-320	75.70	Spink	PEM	W3333SP001	WOC	66.13	0.07
SDL-320	75.79	Spink	PEM	W3333SP001	WOC	185.12	0.32
SDL-320	75.82	Spink	PEM	W3333SP001	WOC	15.78	--
SDL-320	75.83	Spink	PEM	W3333SP001	WOC	57.40	--
SDL-320	75.91	Spink	PEM	W3333SP002	WOC	5.00	0.01
SDL-320	76.22	Spink	PEM	W3333SP005	WOC	29.72	0.03
SDL-320	76.38	Spink	PEM	W3333SP006	WOC	34.41	0.05
SDL-320	76.88	Spink	PEM	W2005SP097	WOC	2.20	0.02
SDL-320	77.04	Spink	PEM	W2005SP098	WOC	94.30	0.11
SDL-320	77.64	Spink	PEM	W2005SP099	WOC	46.46	0.05
SDL-320	78.53	Spink	PEM	W2005SP100	HDD	119.94	0.13
SDL-320	79.10	Spink	PEM	W2011SP021	WOC	60.02	0.11
SDL-320	79.16	Spink	PEM	W2011SP021	WOC	76.83	0.07
SDL-320	80.04	Spink	PEM	W2015SP055	WOC	47.69	0.05
SDL-320	80.09	Spink	PEM	W2015SP053	WOC	56.94	0.06
SDL-320	80.31	Spink	PEM	W2002SP113	WOC	128.93	0.15
SDL-335	0.07	Edmunds	PEM	W2022ED039	HDD	201.19	0.22
SDL-336	0.09	Spink	PEM	W2022SP048	WOC	83.17	0.10
SDM-104	29.92	Lincoln	PEM	W_9_LI_340_DT	WOC	18.56	0.02
SDM-104	29.96	Lincoln	PEM	W_9_LI_340_DT	WOC	165.52	0.19
SDM-104	29.98	Lincoln	PFO	W_9_LI_341_DT	WOC	47.47	0.05
SDM-104	29.99	Lincoln	PEM	W_9_LI_340_DT	WOC	6.52	0.01
SDM-104	30.00	Lincoln	PFO	W_9_LI_341_DT	WOC	56.59	0.06
SDM-104	30.00	Lincoln	PEM	W_9_LI_340_DT	WOC	23.82	0.03
SDM-104	31.50	Lincoln	PEM	W3112LI071	WOC	9.35	0.01
SDM-104	33.13	Lincoln	PEM	W_2_LI_342_DT	WOC	36.22	0.04
SDM-104	33.97	Lincoln	PEM	W_9_LI_001_DT	WOC	29.99	0.03
SDM-104	33.99	Lincoln	PEM	W_9_LI_002_DT	WOC	34.46	0.04
SDM-104	34.51	Lincoln	PEM	W_2_LI_029_DT	HDD	34.39	0.04
SDM-104	34.53	Lincoln	PEM	W2023LI001	HDD	113.10	0.13
SDM-104	34.57	Lincoln	PEM	W2023LI001	HDD	107.06	0.12
SDM-104	35.64	Lincoln	PEM	W_9_LI_003_DT	WOC	84.62	0.10
SDM-104	35.85	Lincoln	PEM	W_9_LI_004_DT	WOC	74.50	0.09
SDM-104	36.60	Lincoln	PEM	W3112LI072	WOC	29.17	0.03
SDM-104	36.65	Lincoln	PEM	W3112LI073	WOC	19.21	0.02
SDM-104	37.39	Lincoln	PEM	W2005LI178	WOC	29.48	0.03
SDM-104	37.42	Lincoln	PEM	W2005LI178	WOC	164.39	0.19
SDM-104	37.45	Lincoln	PEM	W_9_LI_005_DT	WOC	29.30	0.03
SDM-104	38.39	Lincoln	PEM	W_2_LI_338_DT	WOC	51.46	0.06
SDM-104	38.58	Lincoln	PEM	W_2_LI_347_DT	WOC	163.80	0.18
SDM-104	38.75	Lincoln	PEM	W_2_LI_346_DT	WOC	179.77	0.20
SDM-104	39.37	Lincoln	PEM	W_9_LI_006_DT	WOC	88.22	0.08
SDM-104	39.70	Lincoln	PEM	W_9_LI_007_DT	WOC	295.93	0.34
SDM-104	39.96	Lincoln	PEM	W_2_LI_353_DT	WOC	45.20	0.07
SDM-104	40.06	Lincoln	PEM	W2023LI158	WOC	16.90	0.02
SDM-104	41.03	Lincoln	PEM	W3919LI355	WOC	24.68	0.03
SDM-104	41.87	Lincoln	PEM	W2005LI181	WOC	143.31	0.16
SDM-104	42.03	Lincoln	PEM	W2005LI180	HDD	34.09	0.04
SDM-104	43.71	Lincoln	PEM	W_2_LI_352_DT	WOC	24.27	0.03
SDM-104	43.72	Lincoln	PEM	W_2_LI_352_DT	WOC	51.29	0.06
SDM-104	44.07	Lincoln	PEM	W_2_LI_335_DT	WOC	126.96	0.14
SDM-104	44.39	Lincoln	PEM	W_9_LI_129_DT_USACE	WOC	37.75	0.15
SDM-104	44.43	Lincoln	PEM	W_9_LI_129_DT_USACE	WOC	103.55	--
SDM-104	44.53	Lincoln	PEM	W_9_LI_128_DT_USACE	WOC	31.77	0.04
SDM-104	46.24	Lincoln	PEM	W2015LI222	HDD	49.27	0.06
SDM-104	46.89	Lincoln	PEM	W2015LI224	WOC	24.55	0.03



Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDM-104	47.57	Lincoln	PEM	W2008LI016	WOC	23.75	0.02
SDM-104	47.58	Lincoln	PEM	W2008LI017	WOC	11.44	0.01
SDM-104	48.13	Lincoln	PEM	W2008LI018	WOC	10.72	0.01
SDM-104	49.21	Lincoln	PEM	W_9_LI_136_DT_USACE	WOC	399.38	0.46
SDM-104	49.67	Lincoln	PEM	W2004LI132	WOC	37.39	0.04
SDM-104	49.68	Lincoln	PEM	W2004LI132	WOC	37.43	0.04
SDM-104	49.70	Lincoln	PEM	W2004LI133	WOC	22.51	0.03
SDM-104	49.89	Lincoln	PEM	W2004LI134	WOC	194.58	0.21
SDM-104	49.96	Lincoln	PEM	W2004LI134	WOC	516.20	0.59
SDM-104	50.07	Lincoln	PEM	W2004LI134	WOC	28.75	0.03
SDM-104	50.12	Lincoln	PEM	W2004LI135	WOC	107.32	0.13
SDM-104	50.35	Lincoln	PEM	W2004LI136	WOC	101.22	0.13
SDM-104	51.24	Turner	PEM	W_2_TU_356_DT	WOC	33.35	0.05
SDM-104	51.37	Turner	PEM	W_2_TU_357_DT	WOC	66.90	0.08
SDM-104	51.78	Turner	PEM	W_9_TU_138_DT_USACE	WOC	26.97	0.03
SDM-104	51.92	Turner	PEM	W_9_TU_139_DT_USACE	WOC	200.53	0.23
SDM-104	52.49	Turner	PEM	W2005TU183	WOC	44.96	0.06
SDM-104	52.74	Turner	PEM	W2005TU184	WOC	27.57	0.04
SDM-104	53.27	Turner	PEM	W2005TU185	WOC	48.40	0.05
SDM-104	54.19	Minnehaha	PEM	W2005MN186	WOC	98.01	0.10
SDM-104	54.21	Minnehaha	PEM	W2005MN186	WOC	86.11	0.11
SDM-104	54.71	Minnehaha	PEM	W2005MN187	WOC	270.36	0.31
SDM-104	55.08	Minnehaha	PEM	W2002MI130	WOC	47.22	0.05
SDM-104	55.90	Minnehaha	PEM	W_9_MN_093_DT_USACE	WOC	40.40	0.05
SDM-104	56.87	Minnehaha	PEM	W2015MN226	WOC	306.63	0.36
SDM-104	57.03	Minnehaha	PEM	W2015MN226	WOC	38.86	0.04
SDM-104	57.32	Minnehaha	PEM	W2015MN227	WOC	158.85	0.17
SDM-104	57.42	Minnehaha	PEM	W2020MN004	WOC	34.64	0.03
SDM-104	57.43	Minnehaha	PEM	W2020MN004	WOC	39.34	0.05
SDM-104	57.90	Minnehaha	PEM	W_2_MN_053_DT	WOC	162.23	0.19
SDM-104	58.40	Minnehaha	PEM	W2005MN189	WOC	521.17	0.61
SDM-104	59.91	Minnehaha	PEM	W_2_MN_546_DT	WOC	224.90	0.25
SDM-104	60.11	Minnehaha	PEM	W_2_MN_578_DT_USACE	WOC	546.11	0.55
SDM-104	60.20	Minnehaha	PEM	W_9_MN_94_DT_USACE	WOC	390.93	0.32
SDM-104	61.22	Minnehaha	PEM	W2005MN191	WOC	222.10	0.25
SDM-104	61.25	Minnehaha	PEM	W2005MN191	WOC	103.94	0.12
SDM-104	61.93	Minnehaha	PEM	W2008MN028	WOC	79.83	0.09
SDM-104	62.47	Minnehaha	PEM	W2015MN177	HDD	234.98	0.27
SDM-104	62.96	Minnehaha	PEM	W2015MN001	WOC	346.36	0.40
SDM-104	63.72	Minnehaha	PEM	W2015MN004	HDD	82.41	0.09
SDM-104	63.74	Minnehaha	PEM	W2015MN004	HDD	24.63	0.03
SDM-104	63.76	Minnehaha	PEM	W2015MN004	HDD	70.23	0.08
SDM-104	63.77	Minnehaha	PEM	W2015MN004	HDD	25.03	0.03
SDM-104	65.18	Minnehaha	PEM	W2023MN052	WOC	152.65	0.17
SDM-104	65.21	Minnehaha	PEM	W2023MN053	WOC	77.28	0.08
SDM-104	65.39	Minnehaha	PEM	W_9_MN_085_DT_USACE	WOC	120.11	0.14
SDM-104	65.97	Minnehaha	PEM	W2023MN054_PEM	WOC	118.23	0.15
SDM-104	66.77	Minnehaha	PEM	W_9_MN_097_DT_USACE	WOC	19.42	0.02
SDM-104	67.41	Minnehaha	PEM	W3919MI311	WOC	39.22	0.05
SDM-104	67.55	Minnehaha	PEM	W2023MN081	WOC	632.46	0.73
SDM-104	67.70	Minnehaha	PEM	W2023MN081	WOC	262.89	0.31
SDM-104	67.83	Minnehaha	PEM	W2023MN082_PEM	WOC	68.23	0.08
SDM-104	67.85	Minnehaha	PSS	W2023MN082_PSS	WOC	212.30	0.25
SDM-104	67.88	Minnehaha	PEM	W2023MN082_PEM_B	WOC	17.88	0.03
SDM-104	68.28	Minnehaha	PEM	W2023MN057	WOC	253.09	0.30
SDM-104	68.62	Minnehaha	PEM	W2015MN225	WOC	134.36	0.15
SDM-104	69.28	Minnehaha	PEM	W_9_MN_242_DT_USACE	WOC	325.94	0.37
SDM-104	69.53	Minnehaha	PEM	W_9_MN_240_DT_USACE	WOC	88.47	0.20
SDM-104	70.41	Minnehaha	PEM	W2005MN192	WOC	324.49	0.35
SDM-104	70.45	Minnehaha	PEM	W2005MN192	WOC	34.86	0.05
SDM-104	70.97	Minnehaha	PEM	W2008MN033	WOC	44.49	0.04
SDM-104	72.32	Minnehaha	PEM	W_9_MN_153_DT_USACE	WOC	220.27	0.25
SDM-104	72.60	Minnehaha	PEM	W2008MN036	WOC	25.64	0.03
SDM-104	75.41	Minnehaha	PEM	W2008MN035	WOC	51.25	0.06
SDM-104	76.42	Minnehaha	PEM	W2002MI129	WOC	100.77	0.11
SDM-104	76.86	Minnehaha	PEM	U2002MI128	WOC	69.51	0.08
SDM-104	76.88	Minnehaha	PEM	W_9_MN_095_DT_USACE	WOC	30.90	0.04
SDM-104	77.00	Minnehaha	PEM	W_9_MN_095_DT_USACE	WOC	225.26	0.26
SDM-104	78.54	Minnehaha	PEM	W2008MN037_PEM	WOC	36.32	0.05
SDM-104	79.00	Minnehaha	PEM	W2008MN038	WOC	31.14	0.04
SDM-104	79.42	Minnehaha	PEM	W2008MN039	WOC	18.10	0.02
SDM-104	79.69	Minnehaha	PEM	W_9_MN_111_DT_USACE	WOC	53.17	0.06
SDM-104	79.97	Minnehaha	PEM	W2008MN140	WOC	20.73	0.02
SDM-104	80.21	Minnehaha	PEM	W_9_MN_120_DT_USACE	WOC	178.98	0.20
SDM-104	80.45	Minnehaha	PEM	W2006MN083	WOC	69.38	0.08
SDM-104	81.54	McCook	PEM	W2003MI079	WOC	117.69	0.14
SDM-104	81.99	McCook	PEM	W2002MK063	WOC	216.15	0.25
SDM-104	82.33	McCook	PEM	W2002MK064	WOC	15.32	0.01
SDM-104	82.63	McCook	PEM	W2002MK064	WOC	923.89	1.06
SDM-104	85.91	Lake	PEM	W2010LA051	WOC	4.77	0.00
SDM-104	87.69	Lake	PEM	W2002LA059	WOC	106.23	0.12
SDM-104	88.00	Lake	PEM	W2002LA058	WOC	46.00	0.05
SDM-104	88.02	Lake	PEM	W2010LA052	WOC	18.64	0.02
SDM-104	89.04	Lake	PEM	W2002LA056	WOC	37.92	0.05
SDM-104	91.09	Lake	PEM	W2010LA053	WOC	27.55	0.03
SDM-104	92.96	Lake	PEM	W2010LA056	WOC	21.60	0.02
SDM-104	92.99	Lake	PEM	W2010LA055	WOC	10.19	0.01
SDM-104	93.00	Lake	PEM	W2010LA055	WOC	14.54	0.01

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDM-104	93.42	Lake	PEM	W_9_LA_255_DT_USACE	WOC	28.54	0.03
SDM-104	93.67	Lake	PEM	W2013LA001	WOC	10.89	0.01
SDM-104	93.68	Lake	PEM	W2013LA001	WOC	43.62	0.05
SDM-104	94.91	Lake	PEM	W2010LA062	WOC	25.19	0.02
SDM-104	94.92	Lake	PEM	W2010LA062	WOC	18.65	0.02
SDM-104	95.91	Lake	PEM	W2002LA076	WOC	46.24	0.06
SDM-104	96.20	Lake	PEM	W2002LA075	WOC	73.99	0.08
SDM-104	97.24	Lake	PEM	W2006LA123	WOC	76.22	0.08
SDM-104	99.49	Lake	PEM	W2002LA057	WOC	42.93	0.05
SDM-104	99.51	Lake	PEM	W2002LA057	WOC	34.24	0.06
SDM-104	99.53	Lake	PEM	W2002LA057	WOC	18.64	--
SDM-104	100.21	Lake	PEM	W2002LA055	WOC	68.78	0.07
SDM-104	102.54	Miner	PEM	W2023MI181	WOC	92.08	0.11
SDM-104	103.60	Miner	PEM	W2023MI180	WOC	15.92	0.02
SDM-104	104.79	Miner	PEM	W2002MN077	WOC	54.20	0.08
SDM-104	107.57	Miner	PEM	W2006MI125	WOC	26.74	0.03
SDM-104	107.61	Miner	PEM	W2006MI126	WOC	5.99	0.00
SDM-104	109.15	Miner	PEM	W2015MI013_PEM	WOC	257.03	0.29
SDM-104	109.18	Miner	PEM	W2015MI013_PEM	WOC	11.69	0.02
SDM-104	109.39	Miner	PSS	W2023MI037_PSS	WOC	221.42	0.25
SDM-104	109.43	Miner	PEM	W2023MI037_PEM_B	WOC	149.26	0.45
SDM-104	109.48	Miner	PEM	W2023MI037_PEM_B	WOC	219.58	--
SDM-104	110.11	Miner	PEM	W2020MI023	WOC	188.06	0.23
SDM-104	110.19	Miner	PEM	W2020MI022	WOC	91.36	0.09
SDM-104	110.79	Miner	PEM	W2010MI067	WOC	67.13	0.08
SDM-104	111.97	Miner	PEM	W2014MI031	WOC	84.37	0.07
SDM-104	111.98	Miner	PEM	W2014MI031	WOC	12.47	0.03
SDM-104	112.18	Miner	PEM	W2014MI030	WOC	26.95	0.03
SDM-104	112.69	Miner	PEM	W2020MI021	WOC	77.07	0.09
SDM-104	115.73	Miner	PEM	W2023MI113	WOC	252.34	0.30
SDM-104	116.00	Miner	PEM	W2023MI114	WOC	54.71	0.06
SDM-104	117.39	Miner	PEM	W2015MI020	WOC	74.30	0.09
SDM-104	117.54	Miner	PEM	W2005MI123	WOC	93.15	0.11
SDM-104	117.60	Miner	PEM	W2005MI124	WOC	28.65	0.04
SDM-104	119.21	Kingsbury	PEM	W2002KI109	WOC	32.60	0.04
SDM-104	120.63	Kingsbury	PEM	W2005KI126	WOC	108.99	0.15
SDM-104	120.65	Kingsbury	PEM	W2005KI126	WOC	42.83	--
SDM-104	120.87	Kingsbury	PEM	W2005KI130	WOC	24.88	0.03
SDM-104	121.05	Kingsbury	PEM	W2014KI036	WOC	276.43	0.31
SDM-104	121.13	Kingsbury	PEM	W2014KI037	WOC	3.61	0.00
SDM-104	121.26	Kingsbury	PEM	W2005KI134	WOC	170.09	0.19
SDM-104	122.19	Kingsbury	PEM	W2015KI172	WOC	122.13	0.14
SDM-104	122.53	Kingsbury	PEM	W2015KI174	WOC	21.04	0.03
SDM-104	122.72	Kingsbury	PEM	W2015KI175	WOC	178.14	0.20
SDM-104	123.09	Kingsbury	PEM	W2015KI169	WOC	109.11	0.12
SDM-104	125.31	Kingsbury	PEM	W2014KI038	WOC	43.22	0.05
SDM-104	126.01	Kingsbury	PEM	W2014KI039	WOC	21.88	0.12
SDM-104	126.04	Kingsbury	PEM	W2014KI039	WOC	49.26	--
SDM-104	126.10	Kingsbury	PEM	W2014KI040	WOC	101.41	0.11
SDM-104	126.40	Kingsbury	PEM	W2014KI042	WOC	24.74	0.03
SDM-104	126.48	Kingsbury	PEM	W_9_KI_098_DT_USACE	WOC	45.01	0.05
SDM-104	126.97	Kingsbury	PEM	W2014KI043	WOC	27.89	0.03
SDM-104	128.25	Kingsbury	PEM	W2010KI070	WOC	9.23	0.01
SDM-104	129.24	Kingsbury	PEM	W2014KI044	WOC	9.04	0.01
SDM-104	130.25	Kingsbury	PEM	W2015KI022	WOC	88.12	0.12
SDM-104	130.29	Kingsbury	PEM	W2015KI023	WOC	33.22	0.04
SDM-104	130.80	Kingsbury	PEM	W2015KI167	WOC	24.02	0.03
SDM-104	133.67	Kingsbury	PEM	W2015KI027	HDD	31.86	0.04
SDM-104	133.69	Kingsbury	PEM	W2015KI028	HDD	22.15	0.03
SDM-104	133.72	Kingsbury	PEM	W2014KI045	HDD	138.49	0.16
SDM-104	135.63	Kingsbury	PEM	W2009KI019	WOC	9.28	0.01
SDM-104	137.79	Kingsbury	PEM	W2009KI016	WOC	84.51	0.09
SDM-104	137.82	Kingsbury	PEM	W2009KI014	WOC	164.87	0.19
SDM-104	137.94	Kingsbury	PEM	W2009KI013	WOC	73.38	0.09
SDM-104	138.19	Kingsbury	PEM	W2009KI012	WOC	2.34	0.02
SDM-104	138.60	Kingsbury	PEM	W2009KI010	WOC	118.16	0.13
SDM-104	138.67	Kingsbury	PEM	W2009KI008	WOC	14.84	0.02
SDM-104	139.87	Kingsbury	PEM	W_9_KI_099_DT_USACE	WOC	56.01	0.06
SDM-104	140.68	Kingsbury	PEM	W_9_KI_100_DT_USACE	WOC	86.70	0.09
SDM-104	141.37	Kingsbury	PEM	W_9_KI_101_DT_USACE	WOC	46.05	0.05
SDM-104	141.63	Kingsbury	PEM	W2009KI007	WOC	46.88	0.06
SDM-104	141.97	Kingsbury	PEM	W2009KI006	WOC	2.89	0.01
SDM-104	142.00	Kingsbury	PEM	W2009KI005	WOC	91.71	0.10
SDM-104	142.25	Kingsbury	PEM	W2014KI049	HDD	10.38	0.01
SDM-104	142.61	Kingsbury	PEM	W2014KI052	WOC	69.99	0.08
SDM-104	142.99	Kingsbury	PEM	W2009KI004	WOC	85.71	0.09
SDM-104	144.86	Kingsbury	PEM	W2009KI003	WOC	189.84	0.22
SDM-104	146.86	Kingsbury	PEM	W_9_KI_102_DT_USACE	WOC	42.66	0.05
SDM-104	147.17	Beadle	PEM	W2015BE029	WOC	144.70	0.17
SDM-104	149.21	Beadle	PEM	W2015BE030	WOC	114.48	0.13
SDM-104	149.22	Beadle	PEM	W2015BE030	WOC	23.19	0.03
SDM-104	149.73	Beadle	PEM	W_9_BE_054_DT_USACE	WOC	65.33	0.08
SDM-104	151.21	Beadle	PEM	W2014BE059	WOC	6.41	0.01
SDM-105	0.34	Beadle	PEM	W2014BE066	WOC	267.23	0.30
SDM-105	0.99	Beadle	PEM	W2003BE092	WOC	534.31	0.69
SDM-105	1.06	Beadle	PEM	W2003BE092	WOC	75.99	--
SDM-105	1.12	Beadle	PEM	W2003BE092	WOC	320.24	0.35
SDM-105	1.21	Beadle	PEM	W2003BE091	WOC	251.28	0.29

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDM-105	3.07	Beadle	PEM	W2022BE023	WOC	39.21	0.05
SDM-105	4.28	Beadle	PEM	W2022BE025	WOC	4.76	0.01
SDM-105	4.29	Beadle	PEM	W2022BE025	WOC	13.97	0.02
SDM-105	4.31	Beadle	PEM	W2022BE025	WOC	67.90	0.08
SDM-105	4.80	Beadle	PEM	W2022BE024	WOC	89.66	0.08
SDM-105	5.84	Beadle	PEM	W2008BE002	WOC	37.28	0.04
SDM-105	5.90	Beadle	PEM	W2008BE003	WOC	59.15	0.06
SDM-105	6.54	Beadle	PEM	W3112BE074	WOC	20.76	0.02
SDM-105	7.24	Beadle	PEM	W2023BE050	WOC	78.18	0.09
SDM-105	7.40	Spink	PEM	W2023SP095	WOC	50.32	0.55
SDM-105	7.45	Spink	PEM	W2023SP095	WOC	435.09	--
SDM-105	7.78	Spink	PEM	W2023SP096	WOC	129.33	0.12
SDM-105	9.14	Spink	PEM	W2020SP020	WOC	27.78	0.08
SDM-105	9.15	Spink	PEM	W2020SP020	WOC	50.55	--
SDM-105	9.17	Spink	PEM	W2020SP019	WOC	25.29	0.02
SDM-105	9.21	Spink	PEM	W2020SP017	WOC	33.86	0.06
SDM-105	9.48	Spink	PEM	W2020SP016	WOC	5.64	0.01
SDM-105	9.49	Spink	PEM	W2003SP084	WOC	8.19	0.01
SDM-105	12.59	Spink	PEM	W2014SP065	WOC	150.32	0.17
SDM-105	12.76	Spink	PEM	W_9_SP_061_DT_USACE	WOC	238.19	0.27
SDM-105	13.83	Spink	PEM	W2023SP172	WOC	8.59	0.01
SDM-105	13.94	Spink	PEM	W2023SP172	WOC	118.48	0.14
SDM-105	14.00	Spink	PEM	W2023SP172	WOC	209.92	0.24
SDM-105	14.07	Spink	PEM	W2023SP173	WOC	66.42	0.06
SDM-105	14.12	Spink	PEM	W2023SP175	WOC	69.09	0.07
SDM-105	14.23	Spink	PEM	W2023SP176	WOC	86.83	0.10
SDM-105	14.30	Spink	PEM	W2023SP177	WOC	70.71	0.08
SDM-105	15.08	Spink	PEM	W2007SP018	WOC	4.69	0.01
SDM-105	15.10	Spink	PEM	W2007SP029	WOC	122.48	0.15
SDM-105	18.90	Spink	PEM	W2007SP016	WOC	15.83	0.01
SDM-105	18.93	Spink	PEM	W2007SP015	WOC	14.88	0.02
SDM-105	18.94	Spink	PEM	W2007SP015	WOC	33.50	0.04
SDM-105	20.35	Spink	PEM	W2007SP059	WOC	80.10	0.09
SDM-105	20.67	Spink	PEM	W2007SP014	WOC	11.23	0.05
SDM-105	20.67	Spink	PEM	W2007SP014	WOC	25.60	--
SDM-105	20.69	Spink	PEM	W2007SP013	WOC	70.06	0.18
SDM-105	20.71	Spink	PEM	W2007SP013	WOC	35.12	--
SDM-105	20.72	Spink	PEM	W2007SP013	WOC	61.13	--
SDM-105	20.78	Spink	PEM	W2007SP013	WOC	499.22	0.58
SDM-105	23.86	Spink	PEM	W2007SP010	WOC	1.12	0.00
SDM-105	24.19	Spink	PEM	W2023SP033	WOC	72.47	0.09
SDM-105	24.24	Spink	PEM	W2023SP033	WOC	347.22	0.40
SDM-105	26.79	Spink	PEM	W_9_SP_139_DT_USACE	WOC	319.61	0.37
SDM-105	27.74	Spink	PEM	W2014SP071	WOC	143.81	0.16
SDM-105	30.97	Spink	PEM	W2023SP159	WOC	338.03	0.39
SDM-105	31.06	Spink	PEM	W2023SP159	WOC	97.76	0.12
SDM-105	34.25	Spink	PEM	W2007SP008	WOC	17.62	0.02
SDM-105	34.28	Spink	PEM	W2007SP007	WOC	193.03	0.22
SDM-105	34.85	Spink	PEM	W2007SP005	WOC	467.16	0.54
SDM-105	35.17	Spink	PEM	W2015SP045	WOC	25.41	0.03
SDM-105	35.18	Spink	PEM	W2015SP046	WOC	29.43	0.03
SDM-105	35.45	Spink	PEM	W2015SP047	WOC	1023.45	1.21
SDM-105	40.57	Spink	PEM	W3112SP037	WOC	29.89	0.08
SDM-105	40.59	Spink	PEM	W3112SP037	WOC	19.26	0.02
SDM-105	42.43	Spink	PEM	W3112SP038	Bore	4.29	0.00
SDM-105	44.25	Spink	PEM	W_2_SP_340_DT	WOC	567.00	0.65
SDM-105	45.98	Spink	PEM	W2004SP034	WOC	11.78	0.01
SDM-105	46.60	Spink	PEM	W_2_SP_215_DT	WOC	459.62	0.52
SDM-105	46.84	Spink	PEM	W_2_SP_216_DT	WOC	82.37	0.08
SDM-105	48.61	Spink	PEM	W2001SP208	WOC	275.01	0.32
SDM-105	50.62	Spink	PEM	W3919SP093	WOC	119.14	0.13
SDM-105	52.16	Spink	PFO	W_2_SP_429_DT	HDD	126.89	0.14
SDM-105	52.56	Spink	PEM	W_2_SP_178_DT	HDD	664.66	0.76
SDM-105	53.01	Spink	PEM	W2244SP065	HDD	854.15	0.98
SDM-105	55.44	Spink	PEM	W2001SP111	WOC	224.12	0.26
SDM-105	56.45	Spink	PEM	W_2_SP_194_DT	WOC	56.55	0.06
SDM-105	57.37	Spink	PEM	W2014SP021	WOC	1070.99	1.21
SDM-105	58.81	Spink	PEM	W_2_SP_332_DT	WOC	67.41	0.07
SDM-105	59.14	Spink	PEM	W_2_SP_333_DT	WOC	114.40	0.13
SDM-105	60.02	Brown	PEM	W_2_BR_030_DT	WOC	711.56	0.82
SDM-105	63.03	Brown	PEM	W2001BR034	WOC	56.13	0.07
SDM-105	63.05	Brown	PEM	W2001BR033	WOC	88.97	0.09
SDM-105	63.09	Brown	PEM	W2001BR033	WOC	47.67	0.06
SDM-105	63.85	Brown	PEM	W2001BR032	HDD	60.93	0.07
SDM-105	63.90	Brown	PEM	W2001BR031	HDD	286.03	0.33
SDM-105	64.69	Brown	PEM	W2001BR030	WOC	852.14	0.98
SDM-105	65.48	Brown	PEM	W2001BR029	WOC	365.31	0.43
SDM-105	68.39	Brown	PEM	W_9_BR_127_DT_USACE	WOC	329.84	0.38
SDM-105	68.89	Brown	PEM	W_2_BR_176_DT	WOC	483.03	0.55
SDM-105	71.59	Brown	PEM	W_9_BR_089_DT_USACE	WOC	350.91	0.40
SDM-105	72.31	Brown	PEM	W2001BR028	WOC	75.88	0.08
SDM-105	73.80	Brown	PEM	W2244BR069	WOC	163.32	0.18
SDM-105	74.06	Brown	PEM	W2001BR027	WOC	45.34	0.05
SDM-105	74.07	Brown	PEM	W2001BR026	WOC	5.97	0.01
SDM-105	74.22	Brown	PEM	W2233BR001	WOC	4.68	0.02
SDM-105	75.34	Edmunds	PEM	W_9_ED_073_DT_USACE	WOC	148.91	0.17
SDM-105	75.58	Edmunds	PEM	W_9_ED_072_DT_USACE	WOC	498.48	0.57
SDM-105	75.87	Edmunds	PEM	W2001ED023	WOC	211.25	0.24

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDM-105	76.87	Edmunds	PEM	W2002ED032	WOC	101.67	0.10
SDM-105	76.96	Edmunds	PEM	W2002ED031	WOC	146.07	0.17
SDM-105	77.33	Edmunds	PEM	W2002ED029	WOC	70.17	0.06
SDM-105	77.36	Edmunds	PEM	W2002ED028	WOC	185.36	0.21
SDM-105	77.42	Edmunds	PEM	W2002ED028	WOC	33.26	0.04
SDM-105	78.00	Edmunds	PEM	W2002ED027	WOC	69.18	0.09
SDM-105	79.12	Edmunds	PEM	W2002ED026	WOC	61.49	0.07
SDM-105	79.53	Edmunds	PEM	W2002ED025	WOC	162.08	0.19
SDM-105	80.47	Edmunds	PEM	W2001ED047	WOC	244.58	0.28
SDM-105	80.73	Edmunds	PEM	W2014ED113	HDD	42.55	0.05
SDM-105	80.75	Edmunds	PEM	W2014ED112	HDD	119.89	0.14
SDM-105	80.76	Edmunds	PEM	W_9_ED_002_DT	HDD	19.54	0.02
SDM-105	80.78	Edmunds	PEM	W_9_ED_001_DT	HDD	27.40	0.03
SDM-105	80.80	Edmunds	PEM	W2014ED111	HDD	206.01	0.24
SDM-105	80.86	Edmunds	PEM	W2014ED111	HDD	74.55	0.08
SDM-105	81.04	Edmunds	PEM	W2014ED109	WOC	18.57	0.02
SDM-105	81.10	Edmunds	PEM	W2014ED108	WOC	271.40	0.31
SDM-105	81.24	Edmunds	PEM	W2014ED107	WOC	244.51	0.28
SDM-105	81.44	Edmunds	PEM	W2014ED105	WOC	474.99	0.55
SDM-105	81.59	Edmunds	PEM	W2014ED106	WOC	132.05	0.16
SDM-105	82.70	Edmunds	PEM	W2014ED119	WOC	69.45	0.08
SDM-105	83.01	Edmunds	PEM	W2014ED123	WOC	58.53	0.07
SDM-105	84.21	Edmunds	PEM	W2014ED125	WOC	14.86	0.01
SDM-105	84.34	Edmunds	PEM	W2001ED124	WOC	731.55	0.84
SDM-105	84.61	Edmunds	PEM	W2023ED170	WOC	503.32	0.58
SDM-105	84.88	Edmunds	PEM	W2023ED171	WOC	128.72	0.14
SDM-105	86.33	Edmunds	PEM	W2011ED016	WOC	16.40	0.02
SDM-105	87.20	Edmunds	PEM	W3919ED067	WOC	90.34	0.31
SDM-105	87.23	Edmunds	PEM	W3919ED067	WOC	174.30	--
SDM-105	87.30	Edmunds	PEM	W3919ED068	WOC	38.00	0.04
SDM-105	87.34	Edmunds	PEM	W3919ED068	WOC	45.53	0.06
SDM-105	87.38	Edmunds	PEM	W3919ED068	WOC	95.21	0.11
SDM-105	90.06	Edmunds	PEM	W2001ED130	HDD	831.95	0.96
SDM-105	90.65	Edmunds	PSS	W2002ED037_PSS_B	WOC	5.85	0.00
SDM-105	90.66	Edmunds	PEM	W2002ED037_PEM	WOC	37.46	0.05
SDM-105	90.66	Edmunds	PSS	W2002ED037_PSS	WOC	20.33	0.02
SDM-105	92.78	Edmunds	PEM	W2014ED126	WOC	136.94	0.17
SDM-105	93.26	Edmunds	PEM	W2244ED012	WOC	61.91	0.06
SDM-105	93.33	Edmunds	PEM	W2023ED120	WOC	598.30	0.69
SDM-105	93.50	Edmunds	PEM	W2023ED121	WOC	219.50	0.23
SDM-105	93.57	Edmunds	PEM	W2023ED121	WOC	397.85	0.47
SDM-105	94.03	Edmunds	PEM	W2023ED123	WOC	400.81	0.47
SDM-105	94.25	Edmunds	PEM	W2023ED124	WOC	494.57	0.57
SDM-105	94.81	Edmunds	PEM	W2014ED138	WOC	148.39	0.17
SDM-105	94.99	Edmunds	PEM	W2014ED137	WOC	91.98	0.10
SDM-105	95.22	Edmunds	PEM	W2014ED136	WOC	501.24	0.57
SDM-105	95.51	Edmunds	PEM	W2014ED135	WOC	42.85	0.05
SDM-105	95.55	Edmunds	PEM	W2014ED135	WOC	35.64	0.04
SDM-105	95.57	Edmunds	PEM	W2014ED135	WOC	31.34	0.03
SDM-105	95.61	Edmunds	PEM	W2014ED134	WOC	51.86	0.06
SDM-105	95.84	Edmunds	PEM	W2014ED132	WOC	4.84	0.01
SDM-105	95.85	Edmunds	PEM	W2014ED133	WOC	20.43	0.02
SDM-105	95.94	Edmunds	PEM	W2014ED129	WOC	12.89	0.01
SDM-105	95.96	Edmunds	PEM	W2014ED130	WOC	52.73	0.06
SDM-105	96.46	McPherson	PEM	W2014MP127	WOC	9.66	0.01
SDM-105	96.48	McPherson	PEM	W2014MP127	WOC	92.47	0.16
SDM-105	96.50	McPherson	PEM	W2014MP127	WOC	82.24	--
SDM-105	101.09	McPherson	PEM	W2023MP164	WOC	21.08	0.03
SDM-105	101.10	McPherson	PEM	W2001MP198	WOC	80.63	0.09
SDM-105	101.49	McPherson	PEM	W2001MP203	WOC	27.63	0.03
SDM-105	101.70	McPherson	PEM	W2244MP050	WOC	94.78	0.10
SDM-105	102.63	McPherson	PEM	W2001MP206	WOC	46.59	0.05
SDM-105	103.64	McPherson	PEM	W2001MP153	WOC	107.60	0.13
SDM-105	104.00	McPherson	PEM	W2001MP036	WOC	37.62	0.17
SDM-105	104.01	McPherson	PEM	W2001MP036	WOC	105.27	--
SDM-105	105.47	McPherson	PEM	W3919MP016	WOC	111.93	0.14
SDM-105	106.13	McPherson	PEM	W2244MP044	WOC	9.41	0.01
SDM-105	106.13	McPherson	PEM	W2244MP044	WOC	14.33	0.03
SDM-105	106.23	McPherson	PEM	W2244MP046	WOC	113.22	0.13
SDM-105	106.29	McPherson	PEM	W2244MP048	WOC	46.76	0.05
SDM-105	106.75	McPherson	PEM	W2014MP076	WOC	53.93	0.07
SDM-105	106.97	McPherson	PEM	W2014MP077	HDD	203.65	0.24
SDM-105	107.34	McPherson	PEM	W3919MP051	HDD	186.71	0.21
SDM-105	107.59	McPherson	PEM	W3919MP046	WOC	44.74	0.05
SDM-105	107.70	McPherson	PEM	W3919MP047	WOC	37.46	0.04
SDM-105	108.03	McPherson	PEM	W2233MP002	WOC	102.02	0.12
SDT-206	0.27	Lake	PEM	W2006LA088	HDD	7.81	0.01
SDT-206	2.32	Lake	PEM	W2015LA005	WOC	26.98	0.04
SDT-206	2.46	Lake	PEM	W2015LA006	WOC	99.01	0.11
SDT-206	3.30	Lake	PEM	W2015LA008	HDD	173.30	0.19
SDT-206	3.43	Lake	PEM	W_2_LA_586_DT	HDD	106.47	0.12
SDT-206	3.52	Lake	PEM	W2006LA120	HDD	56.92	0.07
SDT-206	3.60	Lake	PEM	W2006LA121	HDD	37.81	0.04
SDT-206	5.51	Lake	PEM	W2015LA011	WOC	14.66	0.02
SDT-206	5.52	Lake	PEM	W2015LA011	WOC	32.37	0.14
SDT-206	5.53	Lake	PEM	W2015LA011	WOC	101.55	--
SDT-206	5.71	Lake	PEM	W2015LA009	WOC	46.31	0.05
SDT-206	5.76	Lake	PEM	W2015LA009	WOC	34.96	0.04

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDT-206	6.33	Lake	PEM	W2011LA049	WOC	103.07	0.38
SDT-206	6.38	Lake	PEM	W2011LA049	WOC	224.84	--
SDT-206	9.46	Lake	PEM	W_9_LA_023_DT_USACE	WOC	145.24	0.17
SDT-206	9.89	Lake	PEM	W2002LA127	WOC	23.14	0.02
SDT-206	10.63	Lake	PEM	W2023LA007	WOC	28.83	0.03
SDT-206	11.76	Lake	PEM	W_2_LA_386_DT	WOC	37.60	0.05
SDT-206	12.02	Lake	PEM	W_9_LA_161_DT_USACE	WOC	642.83	0.74
SDT-206	13.56	Lake	PEM	W_9_LA_019_DT_USACE	WOC	129.08	0.15
SDT-206	14.33	Lake	PEM	W2020LA026	WOC	60.23	0.06
SDT-206	14.37	Lake	PEM	W2020LA025	WOC	63.16	0.07
SDT-207	0.19	Beadle	PEM	W2005BE161	WOC	20.94	0.03
SDT-207	0.19	Beadle	PEM	W2005BE161	WOC	33.83	0.04
SDT-207	1.71	Beadle	PEM	W2022BE060	WOC	136.90	0.16
SDT-207	1.97	Beadle	PEM	W2022BE059	WOC	210.15	0.24
SDT-207	2.07	Beadle	PEM	W2022BE058	WOC	232.84	0.27
SDT-207	2.16	Beadle	PEM	W2022BE058	WOC	450.94	0.50
SDT-207	2.33	Beadle	PEM	W2005BE162	WOC	58.65	0.27
SDT-207	2.38	Beadle	PEM	W2005BE162	WOC	136.03	--
SDT-207	2.84	Beadle	PEM	W2005BE166	WOC	62.06	0.07
SDT-207	2.99	Beadle	PEM	W2005BE167	WOC	152.24	0.20
SDT-207	3.08	Beadle	PEM	W2002BE308	WOC	122.21	0.14
SDT-207	3.19	Beadle	PEM	W2002BE309	WOC	525.26	0.60
SDT-207	3.32	Beadle	PEM	W2005BE151	WOC	771.90	1.20
SDT-207	3.43	Beadle	PEM	W2005BE151	WOC	284.98	--
SDT-207	3.68	Beadle	PEM	W2005BE153	WOC	15.12	0.02
SDT-207	4.30	Beadle	PEM	W2005BE155	WOC	37.59	0.04
SDT-207	4.31	Beadle	PEM	W2005BE155	WOC	91.38	0.10
SDT-207	4.43	Beadle	PEM	W2005BE156	WOC	68.33	0.06
SDT-207	4.54	Beadle	PEM	W2005BE157	WOC	116.17	0.13
SDT-207	4.65	Beadle	PEM	W2005BE157	WOC	212.18	0.24
SDT-207	4.70	Beadle	PEM	W2005BE158	WOC	95.50	0.11
SDT-207	5.11	Beadle	PEM	W2005BE159	WOC	108.51	0.12
SDT-207	5.43	Beadle	PEM	W2005BE160_PEM	WOC	2481.10	2.84
SDT-207	5.71	Beadle	PEM	W2005BE160_PEM	WOC	246.38	0.28
SDT-207	5.82	Beadle	PEM	W2001BE146_PEM	WOC	193.40	0.22
SDT-207	5.85	Beadle	PFO	W2001BE146_PFO	WOC	176.56	0.28
SDT-207	5.87	Beadle	PEM	W2001BE146_PEM	WOC	42.28	0.09
SDT-207	5.89	Beadle	PFO	W2001BE146_PFO	WOC	103.97	--
SDT-207	5.90	Beadle	PEM	W2001BE146_PEM	WOC	35.60	0.05
SDT-207	5.93	Beadle	PEM	W2011BE017	WOC	13.79	0.02
SDT-207	5.94	Beadle	PEM	W2011BE017	WOC	8.22	0.01
SDT-207	5.94	Beadle	PEM	W2011BE017	WOC	0.12	0.04
SDT-207	5.95	Beadle	PEM	W2011BE017	WOC	21.68	--
SDT-207	5.98	Beadle	PEM	W2011BE017	WOC	131.11	0.16
SDT-207	6.19	Beadle	PEM	W2011BE019	WOC	159.23	0.18
SDT-207	6.25	Beadle	PEM	W2011BE019	WOC	269.59	0.35
SDT-207	6.29	Beadle	PEM	W2011BE019	WOC	40.84	--
SDT-207	9.86	Beadle	PEM	W_9_BE_055_DT_USACE	WOC	86.85	0.11
SDT-207	10.65	Beadle	PEM	W2007BE058	HDD	38.16	0.05
SDT-207	10.67	Beadle	PEM	W2007BE058	HDD	167.66	0.18
SDT-207	11.86	Beadle	PEM	W2008BE001	WOC	45.13	0.04
SDT-207	16.82	Beadle	PEM	W2233BE010	WOC	72.41	0.08
SDT-207	17.19	Beadle	PEM	W2233BE011	WOC	56.94	0.07
SDT-207	18.33	Beadle	PEM	W2005BE145	WOC	121.62	0.14
SDT-207	18.84	Beadle	PEM	W2015BE152	WOC	60.22	0.07
SDT-207	20.23	Beadle	PEM	W2005BE147	WOC	170.63	0.17
SDT-207	20.83	Beadle	PEM	W2010BE068	WOC	21.11	0.03
SDT-207	21.00	Beadle	PEM	W2010BE069	WOC	134.08	0.13
SDT-207	22.25	Beadle	PEM	W2003BE096	WOC	22.97	0.03
SDT-207	22.29	Beadle	PEM	W2003BE095	WOC	46.59	0.03
SDT-207	23.24	Beadle	PEM	W2002BE315	WOC	280.85	0.33
SDT-207	23.33	Beadle	PEM	W2002BE314	WOC	208.95	0.24
SDT-207	23.39	Beadle	PEM	W2002BE314	WOC	364.15	0.40
SDT-208	0.10	Codington	PEM	W2015CD165	HDD	373.14	0.43
SDT-208	0.18	Codington	PEM	W3112CO056	HDD	166.27	0.19
SDT-208	0.23	Codington	PEM	W3112CO056	HDD	281.98	0.33
SDT-208	0.40	Codington	PEM	W3112CO056	WOC	1486.10	1.66
SDT-208	0.71	Codington	PEM	W3919CO303	HDD	132.53	0.16
SDT-208	1.89	Codington	PEM	W_9_CD_008_DT	WOC	86.68	0.10
SDT-208	2.18	Codington	PEM	W_9_CD_006_DT	WOC	95.93	0.11
SDT-208	2.20	Codington	PEM	W_9_CD_006_DT	WOC	40.95	0.06
SDT-208	2.84	Codington	PEM	W_9_CD_004_DT	WOC	210.41	0.24
SDT-208	2.93	Codington	PEM	W_9_CD_004_DT	WOC	139.88	0.16
SDT-208	4.15	Codington	PEM	W3112CO055	WOC	244.31	0.28
SDT-208	8.09	Codington	PEM	W2014CD099	WOC	84.16	0.11
SDT-208	8.14	Codington	PEM	W2014CD099	WOC	401.19	0.46
SDT-208	8.31	Codington	PEM	W2014CD100	WOC	108.92	0.13
SDT-208	8.57	Codington	PEM	W2006CD065	WOC	23.59	0.24
SDT-208	8.60	Codington	PEM	W2006CD065	WOC	190.56	--
SDT-208	9.22	Codington	PEM	W2006CD066	WOC	245.55	0.28
SDT-208	9.53	Codington	PEM	W2006CD067	WOC	181.15	0.20
SDT-208	9.81	Codington	PEM	W2006CD068_PEM	WOC	79.53	0.09
SDT-208	9.95	Codington	PEM	W_9_CD_091_DT_USACE	WOC	53.55	0.05
SDT-208	9.98	Codington	PEM	W_9_CD_092_DT_USACE	WOC	55.51	0.05
SDT-208	10.40	Codington	PEM	W2006CD061	WOC	266.50	0.31
SDT-208	10.72	Codington	PEM	W2006CD062	WOC	1042.32	1.19
SDT-208	11.03	Codington	PEM	W2014CD097	WOC	45.12	0.05
SDT-208	11.15	Codington	PEM	W2014CD098	WOC	18.42	0.02

Wetland Crossings							
Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDT-208	11.16	Codington	PEM	W2014CD098	WOC	24.99	0.04
SDT-208	12.48	Codington	PEM	W2006CD057	WOC	57.42	0.05
SDT-208	12.66	Codington	PEM	W2006CD059	WOC	164.28	0.19
SDT-208	13.33	Hamlin	PEM	W2023HA179	WOC	21.02	0.02
SDT-208	13.35	Hamlin	PEM	W3112HM059	WOC	25.16	0.02
SDT-208	13.87	Hamlin	PEM	W3112HM060	WOC	56.02	0.06
SDT-208	14.06	Hamlin	PEM	W3919HM337	WOC	340.17	0.41
SDT-208	14.90	Hamlin	PEM	W2015HA202	WOC	15.61	0.02
SDT-208	14.92	Hamlin	PEM	W2015HA202	WOC	143.50	0.16
SDT-208	15.38	Hamlin	PEM	W2006HA052	WOC	1366.13	1.56
SDT-208	15.52	Hamlin	PEM	W2006HA052	WOC	29.76	0.03
SDT-208	15.52	Hamlin	PEM	W2006HA052	WOC	29.76	--
SDT-208	15.58	Hamlin	PEM	W2006HA052	WOC	597.86	0.69
SDT-208	17.24	Hamlin	PEM	W2006HA053	WOC	3.19	0.01
SDT-208	17.25	Hamlin	PEM	W2006HA053	WOC	20.11	0.02
SDT-208	18.13	Hamlin	PEM	W2006HA054	WOC	180.23	0.21
SDT-208	18.20	Hamlin	PEM	W2006HA054	WOC	227.98	0.27
SDT-208	18.31	Hamlin	PEM	W2006HA055	WOC	24.42	0.03
SDT-208	18.47	Hamlin	PEM	W2006HA056	WOC	11.60	0.01
SDT-208	19.38	Hamlin	PEM	W2014HA095	WOC	306.72	0.35
SDT-208	19.63	Hamlin	PEM	W_9_HA_008_DT	WOC	73.66	0.08
SDT-208	19.83	Hamlin	PEM	W_9_HA_007_DT	WOC	400.49	0.46
SDT-208	21.30	Hamlin	PEM	W3112HM063	WOC	312.93	0.37
SDT-208	22.22	Hamlin	PEM	W2014HA093_PEM	WOC	53.73	0.28
SDT-208	22.23	Hamlin	PFO	W2014HA093_PFO	WOC	30.60	0.03
SDT-208	22.25	Hamlin	PEM	W2014HA093_PEM	WOC	190.79	--
SDT-208	22.30	Hamlin	PEM	W2014HA093_PEM	WOC	170.52	0.20
SDT-208	22.32	Hamlin	PEM	W2014HA094	WOC	17.89	0.02
SDT-208	23.29	Hamlin	PEM	W2015HA199	WOC	294.70	0.34
SDT-208	24.15	Hamlin	PEM	W2015HA198	WOC	39.01	0.05
SDT-208	24.53	Hamlin	PEM	W2015HA196	WOC	592.65	0.68
SDT-208	25.99	Hamlin	PEM	W2006HA042	WOC	137.72	0.13
SDT-208	26.01	Clark	PEM	W2015CL162	WOC	12.23	0.01
SDT-208	26.05	Clark	PEM	W2015CL161	Bore	138.13	0.16
SDT-208	26.07	Clark	PEM	W2015CL160	Bore	40.01	0.05
SDT-208	26.52	Clark	PEM	W2015CL159	WOC	58.36	0.07
SDT-208	26.66	Clark	PEM	W2015CL158	WOC	147.06	0.16
SDT-208	26.75	Clark	PEM	W2002CL114	WOC	509.40	0.58
SDT-208	28.08	Clark	PEM	W2014CL091	WOC	29.38	0.02
SDT-208	28.13	Clark	PEM	W2014CL091	WOC	411.00	0.47
SDT-208	28.72	Clark	PEM	W2014CL086	WOC	272.65	0.31
SDT-208	28.81	Clark	PEM	W2014CL087	WOC	119.44	0.14
SDT-208	28.90	Clark	PEM	W2014CL088	WOC	112.84	0.14
SDT-208	28.96	Clark	PEM	W2014CL088	WOC	168.14	0.19
SDT-208	29.23	Clark	PEM	W2014CL089	HDD	63.39	0.08
SDT-208	29.34	Clark	PEM	W2014CL090	HDD	210.28	0.56
SDT-208	29.38	Clark	PEM	W2014CL090	HDD	112.97	--
SDT-208	29.41	Clark	PEM	W2014CL090	HDD	192.19	--
SDT-208	30.19	Clark	PEM	W2023CL138	WOC	178.65	0.20
SDT-208	30.64	Clark	PEM	W2006HA043	WOC	312.41	0.36
SDT-208	31.12	Clark	PEM	W2006HA045	WOC	57.27	0.06
SDT-208	31.60	Clark	PEM	W2006CL046	WOC	140.53	0.14
SDT-208	31.62	Clark	PEM	W2006CL046	WOC	27.68	0.05
SDT-208	32.09	Clark	PEM	W2006CL048	WOC	38.16	0.05
SDT-208	32.60	Clark	PEM	W2006CL049	WOC	234.68	0.27
SDT-208	32.67	Clark	PEM	W2006CL049	WOC	434.89	0.49
SDT-208	33.01	Clark	PEM	W2006CL050	WOC	66.10	0.07
SDT-208	34.71	Clark	PEM	W_9_CL_100_DT_USACE	WOC	253.65	0.29
SDT-208	35.42	Clark	PEM	W2004CL113	WOC	129.40	0.14
SDT-208	36.50	Clark	PEM	W2004CL109	WOC	155.57	0.18
SDT-208	37.23	Clark	PEM	W2002CL080	WOC	570.26	0.62
SDT-208	37.45	Clark	PEM	W2002CL081	WOC	134.16	0.15
SDT-208	39.26	Clark	PEM	W2006CL094	WOC	76.07	0.08
SDT-208	39.53	Clark	PEM	W2006CL096	WOC	52.50	0.07
SDT-208	40.49	Clark	PEM	W2006CL097	WOC	255.34	0.29
SDT-208	41.03	Clark	PEM	W2006CL098	WOC	110.04	0.12
SDT-208	41.12	Clark	PEM	W2006CL099	WOC	147.21	0.17
SDT-208	41.17	Clark	PEM	W2006CL099	WOC	87.60	0.10
SDT-208	41.85	Clark	PEM	W2006CL100	WOC	131.92	0.15
SDT-208	41.87	Clark	PEM	W2015CL155	WOC	5.58	0.01
SDT-208	41.89	Clark	PEM	W2015CL155	WOC	37.33	0.04
SDT-208	43.11	Clark	PEM	W2015CL154	WOC	49.21	0.06
SDT-208	43.22	Clark	PEM	W2015CL154	WOC	36.78	0.69
SDT-208	43.26	Clark	PEM	W2015CL154	WOC	2.72	--
SDT-208	43.30	Clark	PEM	W2015CL154	WOC	411.47	--
SDT-208	43.43	Clark	PEM	W2006CL091	WOC	116.45	0.12
SDT-208	43.47	Clark	PEM	W2006CL091	WOC	270.16	0.31
SDT-208	44.86	Clark	PEM	W2006CL093	WOC	24.05	0.02
SDT-208	46.61	Clark	PEM	W2006CL129	WOC	70.45	0.08
SDT-208	46.77	Clark	PEM	W2006CL130	WOC	500.22	0.55
SDT-208	48.70	Beadle	PEM	W2022BE063	WOC	46.56	0.05
SDT-208	48.81	Beadle	PEM	W2022BE063	WOC	2.77	0.00
SDT-208	49.08	Beadle	PEM	W2006BE127	WOC	6.99	0.01
SDT-208	49.69	Beadle	PEM	W2014BE056	WOC	269.31	0.32
SDT-208	49.95	Beadle	PEM	W2014BE057	WOC	36.35	0.04
SDT-208	50.44	Beadle	PEM	W2014BE053	WOC	62.78	0.09
SDT-209	0.16	Spink	PEM	W2004SP051	WOC	88.21	0.10
SDT-209	0.18	Spink	PEM	W2004SP051	WOC	105.36	0.12

**Wetland Crossings**

Route ID	Milepost	County	Feature Type <sup>1</sup>	Feature ID	Crossing Method <sup>2</sup>	Crossing Length <sup>3</sup> (feet)	Crossing Area <sup>4</sup> (acres)
SDT-209	0.97	Spink	PEM	W2001SP156	HDD	27.62	0.02
SDT-209	0.98	Spink	PEM	W2004SP048	HDD	17.41	0.02
SDT-209	1.02	Spink	PEM	W2004SP047	HDD	43.29	0.05
SDT-209	2.14	Spink	PEM	W_2_SP_202_DT	WOC	29.70	0.03
SDT-209	2.51	Spink	PEM	W_9_SP_003_DT	WOC	565.07	0.63
SDT-209	2.69	Spink	PEM	W_2_SP_201_DT	WOC	54.32	0.06
SDT-209	3.57	Spink	PEM	W3919SP097	WOC	12.83	0.02
SDT-209	7.73	Spink	PEM	W2023SP119	WOC	43.24	0.09
SDT-209	7.77	Spink	PEM	W2023SP119	WOC	4.92	0.08
SDT-209	7.79	Spink	PEM	W2023SP119	WOC	33.78	--
SDT-209	7.87	Spink	PEM	W2023SP119	WOC	570.14	0.64
SDT-209	8.16	Spink	PEM	W2023SP118	WOC	28.38	0.03
SDT-209	8.25	Spink	PEM	W2023SP118	WOC	47.83	0.04
SDT-209	8.68	Spink	PEM	W2023SP117	WOC	35.92	0.05
SDT-209	8.82	Spink	PEM	W2023SP115	WOC	459.91	0.53
SDT-209	9.63	Spink	PEM	W2015SP050	HDD	37.66	0.04
SDT-209	11.05	Spink	PEM	W2015SP048	WOC	236.58	0.27
SDT-209	11.23	Spink	PEM	W2015SP049	WOC	279.83	0.32
SDT-210	0.16	Brown	PEM	W2014BR017	HDD	50.73	0.08
SDT-210	0.18	Brown	PEM	W2014BR017	HDD	14.36	--
SDT-210	0.35	Brown	PEM	W2244BR064	HDD	9.44	0.01
SDT-210	0.36	Brown	PEM	W_2_BR_174_DT	HDD	22.07	0.03
SDT-210	0.36	Brown	PEM	W2244BR064	HDD	22.07	0.03
SDT-210	0.37	Brown	PEM	W_2_BR_174_DT	HDD	131.63	0.15
SDT-210	0.69	Brown	PEM	W2014BR019	WOC	101.39	0.13
SDT-210	0.70	Brown	PEM	W2014BR019	WOC	8.23	--
SDT-210	0.99	Brown	PEM	W2014BR020	WOC	905.05	1.08
SDT-210	1.11	Brown	PEM	W2014BR020	WOC	141.40	0.18
SDT-210	1.87	Brown	PEM	W3919BR070	WOC	206.87	0.24
SDT-210	2.77	Brown	PEM	W2244BR067	WOC	71.58	0.08
SDT-210	2.84	Brown	PEM	W2244BR067	WOC	244.86	0.27
SDT-210	2.89	Brown	PEM	W3919BR074	WOC	264.90	0.30
SDT-210	3.65	Brown	PEM	W3919BR073	WOC	35.49	0.05
SDT-210	3.72	Brown	PEM	W3919BR073	WOC	19.12	0.06
SDT-210	3.73	Brown	PEM	W3919BR073	WOC	20.81	--
SDT-210	3.84	Brown	PEM	W3919BR073	WOC	179.21	0.20
SDT-210	4.89	Brown	PEM	W3919BR071	WOC	10.45	0.01
SDT-210	4.90	Brown	PEM	W3112BR048	WOC	11.24	0.01
SDT-210	5.27	Brown	PEM	W3112BR051	WOC	148.97	0.17
SDT-210	6.00	Brown	PEM	W3112BR054	HDD	333.84	0.38
SDT-210	6.04	Brown	PEM	W2015BR090	HDD	11.84	0.02
SDT-210	6.08	Brown	PEM	W2015BR090	HDD	278.35	0.32
SDT-210	6.44	Brown	PEM	W2015BR089	Bore	38.50	0.05
SDT-210	6.46	Brown	PEM	W2015BR089	Bore	40.69	0.05
SDT-210	7.46	Brown	PEM	W_9_BR_006_DT	WOC	137.98	0.15
SDT-210	8.40	Brown	PEM	W2015BR088	WOC	334.75	0.38
SDT-210	8.60	Brown	PEM	W2023BR107	WOC	269.68	0.31
SDT-210	8.99	Brown	PEM	W_2_BR_379_DT	WOC	20.02	0.02
SDT-210	9.00	Brown	PEM	W_2_BR_308_DT	WOC	35.68	0.04
SDT-210	9.06	Brown	PEM	W_2_BR_308_DT	WOC	20.19	0.02
SDT-210	9.89	Brown	PEM	W_2_BR_431_DT	WOC	312.23	0.34
SDT-210	9.93	Brown	PEM	W_9_BR_001_DT	WOC	95.92	0.10
SDT-210	10.38	Edmunds	PEM	W2001ED155	HDD	184.41	0.26
SDT-210	10.41	Edmunds	PEM	W2001ED155	HDD	71.58	--
SDT-210	10.61	Edmunds	PEM	W2001ED154	HDD	126.62	0.14
SDT-210	10.67	Edmunds	PEM	W2001ED154	HDD	123.62	0.16
SDT-210	10.69	Edmunds	PEM	W2001ED154	HDD	54.37	--
SDT-210	10.71	Edmunds	PEM	W2001ED154	HDD	27.55	0.03
SDT-210	10.85	Edmunds	PEM	W2001ED151	HDD	341.55	0.39

Notes:  
<sup>1</sup> PEM = palustrine emergent; PSS = palustrine shrub scrub; PFO = palustrine forested  
<sup>2</sup> Crossing methods are wet open cut (WOC), horizontal directional drill (HDD), or bore.  
<sup>3</sup> Crossing lengths are centerline of the wetland boundaries.  
<sup>4</sup> Crossing area is ROW within the wetland.  
<sup>5</sup> "--" indicates a wetland crossed more than once by the centerline in which impacts were duplicated and therefore not included.