

Appendix F
Waterbodies in Minnesota within One Mile Downstream of
Crossings

This information has not been previously submitted to MPUC.

Sandpiper Pipeline Project
Waterbodies in Minnesota Within One Mile Downstream of Crossings

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method ^a	Alternative Crossing Method ^b	MPCA Classification
Polk County								
301.4	PO008_500aWB	Red River	River/Stream	Section 10, 303 Impaired Water, Canoe Route, Public Water	Mercury, PCB	HDD	Wet Open Cut	1C, 2Bd, 3C
304.1	PO011aWB	Unnamed Stream	River/Stream	Public Water		Bore	Wet Open Cut	
305.2	PO016aWB	Unnamed Stream	River/Stream	Public Water		Wet Open Cut	Dry Crossing	
307.5	PO027aWB	Red Lake River	River/Stream	Section 10, 303 Impaired Water, Public Water, NRI, Canoe Route	Mercury, Temperature	HDD	Wet Open Cut	1C, 2Bd, 2C
309.0	PO036_000RDbWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
Drains to Grand Marais Creek approximately 0.5 mile away into a segment that is designated as a MNDNR Public Water and as Impaired (dissolved oxygen, temperature, and pH in 2012 and 2014, with chlorpyrifos also proposed for 2014)								
309.9	PO038a1W	Grand Marais Creek	Intermittent River/Stream ^c	303 Impaired Water, Public Water	Dissolved Oxygen, pH, Temperature	Wet Open Cut	Dry Crossing	2B, 3C
310.6	PO037aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
311.6	PO041aWB	County Ditch 34	Drainage Ditch	None		Bore	Wet Open Cut	
313.7	PO048aWB	Judicial Ditch 60	Drainage Ditch	None		Bore	Wet Open Cut	
313.8	PO049aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
314.7	PO051_100aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
317.8	PO061aWB	County Ditch 1	Drainage Ditch	None		Bore	Wet Open Cut	
319.9	PO064_000HGbWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
325.1	PO079aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
326.1	PO080aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
326.1	PO081aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains to Red Lake River approximately 0.7 mile downstream into a segment of the river that is designated as 2013 Impaired and proposed as Impaired in 2014.								
327.1	PO085aWB	Red Lake River	River/Stream	Section 10, 303 Impaired Water, Canoe Route, Public Water	Mercury, Temperature	HDD	Wet Open Cut	1C, 2Bd, 2C
327.9	PO088aWB	Kripple Creek	River/Stream	Public Water		Bore	Dry Crossing	
329.2	PO091aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
330.8	PO096aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Could drain to Kripple Creek, a MNDNR Public Water, approximately 0.6 mile away								
331.2	PO096bWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
Could drain to Kripple Creek, a MNDNR Public Water, approximately 0.1 mile away								
331.3	PO097aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
Could drain to Kripple Creek, a MNDNR Public Water, approximately 0.1 mile away								
Red Lake County								
332.5	RE001aWB	Judicial Ditch 66	Drainage Ditch	Public Water		Bore	Wet Open Cut	2B, 3C
334.4	RE004aWB	Judicial Ditch 66	Drainage Ditch	None		Bore	Wet Open Cut	
337.0	RE007aWB	Judicial Ditch 66	Drainage Ditch	Public Water		Wet Open Cut	Dry Crossing	2B, 3C
337.9	RE008aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
339.6	RE012aWB	Judicial Ditch 64	Drainage Ditch	None		Dry Crossing	Wet Open Cut	2B, 3C
340.6	RE014aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	

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Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method ^a	Alternative Crossing Method ^b	MPCA Classification
341.1	RE014bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
341.6	RE017aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
341.9	RE017bWB	Lower Badger Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
342.1	RE017cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Could drain to Lower Badger Creek, a MNDNR Public Water, approximately 0.2 mile away								
Polk County								
344.2	PO099_520bWB	Unnamed Ditch	River/Stream	None		Wet Open Cut	Dry Crossing	
Appears to be a ditch that drains into Beau Gerlot Creek, a MNDNR Public Water, less than 0.1 mile away								
344.4	PO099_520aWB	Beau Gerlot Creek	River/Stream	Public Water		Wet Open Cut	Dry Crossing	
345.2	PO100aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
348.3	PO109aWB	Poplar River	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
353.8	PO128aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
354.6	PO131aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Appears to drain into a MNDNR unnamed Public Water Basin approximately 0.3 mile away								
355.2	PO133aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into a MNDNR unnamed Public Water Basin approximately 0.5 mile away								
355.4	PO133bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into a MNDNR unnamed Public Water Basin approximately 0.5 mile away								
355.5	PO134aWB	Unnamed Ditch	Drainage Ditch	None		Bore	Wet Open Cut	
Appears to drain into the MNDNR unnamed Public Water Basin that contains Evenmoe Lake approximately 0.5 mile away								
358.7	PO144aWB	Hill River	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2C
362.4	PO155_502aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Could possibly drain into a MNDNR unnamed Public Water Basin approximately 1 mile away								
364.7	PO155_514aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Hamre Lake, a MNDNR unnamed Public Water Basin approximately 0.2 mile away								
Clearwater County								
370.9	CL004aWB	Unnamed Ditch	Unnamed Ditch	None		Wet Open Cut	Dry Crossing	
372.8	CL009aWB	Lost River	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
376.3	CL018bWB	Silver Creek	River/Stream	Public Water, 303 Impaired Waterbody	Fecal Coliform	Dry Crossing	Wet Open Cut	2B, 3C
376.7	CL019bWB	Silver Creek	River/Stream	Public Water, 303 Impaired Waterbody	Fecal Coliform	Dry Crossing	Wet Open Cut	2B, 3C
377.0	CL019aWB	Silver Creek	River/Stream	Public Water, 303 Impaired Waterbody	Fecal Coliform	Dry Crossing	Wet Open Cut	2B, 3C
378.2	s-149n37w32-b	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
378.8	CLC5020_300aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into a MNDNR unnamed Public Water Basin approximately 0.8 mile away								
384.4	CLC5018aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into a MNDNR unnamed Public Water approximately 1.0 mile away								
389.5	CLC5037aWB	Clearwater River	River/Stream	Public Water, 303 Impaired Waterbody, NRI	Mercury, Dissolved Oxygen	HDD	Wet Open Cut	2B, 3C
391.5	CLC5048aWB	Walker Brook	River/Stream	Public Water, 303 Impaired Waterbody	Dissolved Oxygen	Dry Crossing	Wet Open Cut	2B, 3C

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392.7	CLC5051aWB	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
398.2	CLC5074aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Could possibly drain into Mud Lake, a MNDNR Public Water Basin approximately 0.5 mile away								
402.1	CLC5085_210aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
404.3	CLC5095aWB	Bear Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
Drains to the Mississippi River approximately 0.8 mile downstream into a segment of the river that is designated as MNDNR Public Water, 2012 Impaired, and Canoe Route.								
405.2	CLC5098aWB	Mississippi River	River/Stream	Public Water, 303 Impaired Waterbody, Canoe Route	Dissolved Oxygen	HDD	Wet Open Cut	2B, 3C
Hubbard County								
410.2	HUC5002aWB	La Salle Creek	River/Stream	Trout Stream, Public Water, Aquatic Management Area		Dry Crossing	Wet Open Cut	
Drains into Big LaSalle Lake, a MNDNR Public Water Basin approximately 0.5 mile away								
425.6	HUC5070aWB	Unnamed Stream	River/Stream	None	None	Dry Crossing	Wet Open Cut	
Drains into Island Lake, a MNDNR Public Water Basin approximately 0.4 mile downstream, designated as Impaired for mercury in 2012 and proposed as Impaired in 2014.								
426.4	HUC5074aWB	Unnamed Stream	Open water wetland /Beaver dam/pond	Public Water		Dry Crossing	Wet Open Cut	
Drains into Island Lake, a MNDNR Public Water Basin approximately 0.6 mile downstream, designated as Impaired for mercury in 2012 and proposed as Impaired in 2014.								
427.9	HUC5081aWB	Hay Creek	River/Stream	Public Water		HDD	Wet Open Cut	2B, 3C (assessed NW of the crossing location)
438.3	HUC5122_200aWB	Straight River	River/Stream	Trout Stream, Public Water, 303 Impaired Water	Dissolved Oxygen	HDD	Wet Open Cut	1B, 2A, 3B
440.8	HUC5130aWB	Shell River	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
445.5	HUC5162aWB	Shell River	River/Stream	Public Water, 303 Impaired Water	Fish Index of Biological Integrity	Dry Crossing	Wet Open Cut	2B, 3C
447.9	HUC5175aWB	Shell River	River/Stream	Public Water		HDD	Wet Open Cut	2B, 3C
449.5	HUC5179_240aWB	Oxbow Pond	Oxbow Pond	Public Water		HDD	Wet Open Cut	2B, 3C
Drains into the northern portion of Twin Lakes , a MNDNR Public Water Basin, approximately 0.5 mile away, designated as Impaired and proposed as Impaired for 2014								
Wadena County								
455.3	WA002aWB	Shell River	River/Stream	Public Water, NRI, 303 Impaired	Dissolved Oxygen	HDD	Wet Open Cut	2B, 3C
457.4	WA006aWB	Crow Wing River	River/Stream	Public Water, Impaired Water, Canoe Route, NRI	Mercury	HDD	Wet Open Cut	2B, 3C
460.7	WA017aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Cass County								
463.3	CAC5001_540bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
463.3	CAC5001_540aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
463.8	CAC5006aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	

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464.7	CAC5007aWB	Big Swamp Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
465.4	CAC5010aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains downstream approximately 0.4 mile into Big Swamp Creek , a MNDNR Public Water Basin								
481.5	CA063aWB	Pine River	River/Stream	Public Water, Canoe Route		Dry Crossing	Wet Open Cut	2B, 3C
Crow Wing County								
485.6	CW014aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Appears to drain into Clough Lake, a MNDNR Public Water Basin approximately 0.8 mile downstream								
486.7	CW021aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Jail Lake, a MNDNR Public Water Basin approximately 1 mile downstream								
487.8	CW027aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Cass County								
490.6	CA085aWB	Ada Brook / Blind Lake Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
493.3	CA096aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Although the drainage cannot be determined, the following MNDNR Public Water Basins are located entirely or partially within 1 mile of the crossing at lower elevations: Stony, Lee, Peterson, and McGinty Lakes, and six unnamed basins.								
485.6	CW014aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Although the drainage cannot be determined, three unnamed Public Water Basins are located within 1 mile of the crossing at similar or lower elevations								
497.4	CA116aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Could possibly drain into a MNDNR Public Water approximately 0.6 mile downslope								
498.0	CA118_200aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
498.5	CA120_200aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
500.2	CA127aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Dagget Brook, a MNDNR Public Water approximately 0.7 mile downstream								
501.5	CA133aWB	Dagget Brook	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
505.4	CA147_525a1WB	Spring Brook	River/Stream	Public Water, Trout Stream		Dry Crossing	Wet Open Cut	
510.2	CAC5160aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
510.7	CAC5161aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
511.5	CA162aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Although exact drainage path is uncertain, it could drain into Moose River (MNDNR Public Water and 2012 Impaired) and Reservoir and Little Reservoir Lakes (MNDNR Public Water Basins) within 1 mile.								
512.1	CA163cWB	Tributary to Moose River	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains 0.1 mile into Moose River (designated as Impaired in 2012 and 2014), which flows into Reservoir and Little Reservoir Lakes (Public Water Basins) approximately 0.4 miles downstream								
512.2	CA163aWB	Moose River	River/Stream	Public Water, 303 Impaired Waterbody, NRI	Dissolved oxygen	Dry Crossing	Wet Open Cut	2B, 3C
Flows into Reservoir and Little Reservoir Lakes (Public Water Basins) approximately 0.4 miles downstream								
513.8	CA166aWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
Drains into Third Guide Lake, a MNDNR Public Water Basin approximately 0.1 mile away, and Moose River, a MNDNR Public Water that flows through it, designated as Impaired in 2012 and proposed as Impaired in 2014								
Aitkin County								
514.1	AI001aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Third Guide Lake, a MNDNR Public Water Basin approximately 0.1 mile away, and Moose River, a MNDNR Public Water that flows through it, designated as Impaired in 2012 and proposed as Impaired in 2014								

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517.6	AI020aWB	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
519.4	AI027bWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
523.6	AI038aWB	White Elk Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
524.2	AI040aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
	Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away							
524.2	AI040bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
	Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away							
524.3	AI040cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
	Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away							
524.3	AI040_500bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
	Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away							
531.3	AI083_200aWB	White Elk Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
532.7	AI087_504bWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Drains into Willow River, a MNDNR Public Water and NRI stream approximately 0.1 mile away							
532.7	AI087_504aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Drains into Willow River, a MNDNR Public Water and NRI stream approximately 0.1 mile away							
532.9	AI087_504d1WB	Willow River	River/Stream	Public Water, NRI		HDD	Wet Open Cut	2B, 3C
535.3	AI104a1WB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
	Drains into the Mississippi River approximately 0.4 mile away, a MNDNR Public Water, Canoe Route. Outstanding Resource Value water, designated as Impaired (2012 and 2014)							
536.2	AI108aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
	Drains into the Mississippi River approximately 0.2 mile away, a MNDNR Public Water, Canoe Route. Outstanding Resource Value water, designated as Impaired (2012 and 2014)							
536.5	AI109aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
	Drains into the Mississippi River approximately 0.2 mile away, a MNDNR Public Water, Canoe Route. Outstanding Resource Value water, designated as Impaired (2012 and 2014)							
536.9	AI112_200aWB	Mississippi River	River/Stream	Section 10, Public Water 303 Impaired Waterbody, Outstanding Resource Value water, Canoe Route	Mercury	HDD	Wet Open Cut	2B, 3C
536.9	AI112_200bWB	Tributary of Mississippi River	River/Stream	None		HDD	Wet Open Cut	
538.4	AI171_210aWB	State Ditch 66	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
538.7	AI171_210bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
539.2	AI116_200aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
539.4	AI116_200cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
540.4	AI185_220aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
540.4	AI120_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
540.6	AI120_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
541.4	AI121_200bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
542.0	AI121_200_515cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
542.1	AI121_200_515bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
542.2	AI121_200_515aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
542.5	AI121_200_525aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	

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542.6	AI121_200_525aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
542.9	AI121_200_530aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
543.8	AI125aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into Portage Lake, a MNDNR Public Water Basin approximately 0.9 mile downstream								
544.7	AI123_240a1WB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into Portage Lake, a MNDNR Public Water Basin approximately 0.9 mile downstream								
544.7	AI126_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into Portage Lake, a MNDNR Public Water Basin approximately 0.9 mile downstream								
546.2	AI130aWB	Sandy River	River/Stream	Section 10, Public Water		HDD	Wet Open Cut	2B, 3C
547.0	AI136aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
547.3	AI136bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.9 mile downstream								
548.0	AI138aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.3 mile downstream								
548.2	AI138_340cWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.1 mile downstream								
548.4	AI138_340aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.2 mile downstream								
549.8	AI2C5147aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
550.3	AI2C5148aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
550.4	AI2C5148bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
550.9	AI2C5150_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.9 mile downstream								
551.4	AI2C5152_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.9 mile downstream								
552.6	AI2C5155aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.4 mile downstream								
553.0	AI2C5156aWB	Unnamed Ditch	Drainage Ditch	None		HDD	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water less than 0.1 mile downstream								
553.0	AI2C5157aWB	Sandy River	River/Stream	Public Water		HDD	Wet Open Cut	2B, 3C
559.1	AIC5301aWB	Sandy River Tributary	River/Stream	None		Dry Crossing	Wet Open Cut	
Flows into an unnamed stream that is a MNDNR Public Water approximately 0.8 miles downstream, which is a tributary to the Sandy River								
559.7	AIC5304aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Possibly drains into Sandy River, a MNDNR Public Water approximately 0.2 mile away								
559.9	AIC5306aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Possibly drains into Sandy River, a MNDNR Public Water approximately 0.1 mile away								
561.1	AIC5311aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Rice Lake, a MNDNR Public Water Basin, and Sandy River, a MNDNR Public Water, approximately 0.4 mile downstream								
Carlton County								
566.0	CRC5001_503bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	

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566.0	CRC5001_503aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
566.6	CRC5001_506eWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Possibly drains into Kettle River - West Branch, a MNDNR Public Water, 0.5 mile away								
566.9	CRC5001_506bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Possibly drains into Kettle River - West Branch, a MNDNR Public Water, 0.2 mile away								
567.1	CRC5001_508_300aWB	Kettle River - West Branch	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
568.7	CRC5017_300aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into a tributary of the Kettle River - West Branch, a MNDNR Public Water, 0.5 mile away								
572.7	CRC5040aWB	Heikkila Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
575.8	CRC5056aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Kettle River, a MNDNR Public Water designated as 2012 Impaired approximately 0.3 mile downstream								
576.3	CRC5059aWB	Kettle River	River/Stream	Section 10, Impaired Water, Public Water	Mercury	Dry Crossing	Wet Open Cut	2B, 3C
579.2	CRC5074aWB	West Fork Moose Horn River Tributary	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into West Fork Moose Horn River, a MNDNR Public Water approximately 0.9 mile downstream								
580.8	CRC5083aWB	West Fork Moose Horn River	River/Stream	Section 10, Public Water		Dry Crossing	Wet Open Cut	
581.6	CRC5088aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
582.3	CRC5091aWB	King Creek	River/Stream	Trout Stream, Public Water		Wet Open Cut	Dry Crossing	
582.9	CRC5093aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into the east tributary to King Creek, a MNDNR Public Water and Trout Stream less than 0.1 mile downstream								
584.8	CRC5107aWB	Park Lake Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
585.2	CRC5110aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Park Lake Creek, a MNDNR Public Water approximately 0.4 mile downstream								
585.8	CRR51001aWB	Moose Horn River	River/Stream	Section 10, Public Water		Dry Crossing	Wet Open Cut	
589.3	CRR51010_607aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
590.2	CRR51010_612aWB	Blackhoof River	River/Stream	Public Water, Trout Stream		Dry Crossing	Wet Open Cut	
593.8	CRC5163_200aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
594.1	CRC5168aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
601.5	CR144aWB	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
601.9	CR147aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into unnamed stream that is designated as a MNDNR Public Water approximately 0.1 mile away								
602.8	CRR51010_640bWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
603.3	CR157_200a1WB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
603.3	CR159_200aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
603.5	CR159_200bWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
603.5	CR159_200cWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
603.6	CR159bWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
604.2	CR162bWB	Unnamed Tributary to Pokegama River	River/Stream	None		Wet Open Cut	Dry Crossing	

Sandpiper Pipeline Project
Waterbodies in Minnesota Within One Mile Downstream of Crossings

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method ^a	Alternative Crossing Method ^b	MPCA Classification
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Proposed waterbody crossing methods are based on engineering investigations, constructability, and environmental constraints. No special method indicates an ephemeral channel identified during field surveys that lacks a defined bed and bank in the construction work area; therefore, wetland and waterbody construction requirements do not apply.

^a

It is possible that an HDD or guided bore may encounter subsurface objects that prevents the drill from being successfully completed. If this occurs, NDPC will attempt a slightly adjusted drill path to avoid the object. If boulders or hard bedrock interferes with the adjusted drill path, NDPC will abandon the drill after two attempts and cross the waterbody using the alternative method.

^b

^c

Actually field-delineated as a wetland.