

USACE Waterbody Crossing Table

Feature ID <sup>a</sup>	Feature Type	County	Milepost	Pipeline Centerline Crossing Length (feet)	Proposed Pipeline Crossing Method <sup>b</sup>	Flow Regime	USGS Name	OHWL <sup>c</sup> Width (feet)	Bank Width <sup>d</sup> (feet)	Agency Classification	Bridge <sup>e</sup>	Dredging	Surface Impacts (sq ft) <sup>f</sup>	Volume Impacts (cu ft) <sup>g</sup>
sase006p	Stream	Ashland	0.63	16.33	DC	Perennial	Bay City Creek	12	14	--	Yes	Yes	278	23,366
WDH-02	WDH	Ashland	1.51	<10 feet <sup>h</sup>	OC/DC	Intermittent	UNT of Little Beartrap Creek	<10 feet <sup>h</sup>	<10 feet <sup>h</sup>	--	Yes	Yes	110	9,234
WDH-03	WDH	Ashland	1.55	<10 feet <sup>h</sup>	OC/DC	Intermittent	UNT of Little Beartrap Creek	<10 feet <sup>h</sup>	<10 feet <sup>h</sup>	--	Yes	Yes	116	9,714
WDH-04	WDH	Ashland	1.88	<10 feet <sup>h</sup>	OC/DC	Intermittent	UNT of Little Beartrap Creek	<10 feet <sup>h</sup>	<10 feet <sup>h</sup>	--	Yes	Yes	136	11,397
sasa047i	Stream	Ashland	2.24	10.64	OC/DC	Intermittent	Little Beartrap Creek	6	9	--	Yes	Yes	164	13,791
sasa046e	Stream	Ashland	2.28	6.13	OC/DC	Ephemeral	UNT of Little Beartrap Creek	4	6	--	Yes	Yes	99	8,333
WDH-100	WDH	Ashland	2.68	<10 feet <sup>h</sup>	OC/DC	Intermittent	UNT of Little Beartrap Creek	<10 feet <sup>h</sup>	<10 feet <sup>h</sup>	--	Yes	Yes	111	9,317
sasb007i	Stream	Ashland	2.91	7.35	OC/DC	Intermittent	Beartrap Creek	6	10	ASNRI-PNW	Yes	Yes	186	15,596
sasw023p	River	Ashland	4.04	143.14	HDD	Perennial	White River	15	60	Class II Trout, ASNRI-PNW	No	No	0'	0'
sasd013i	Stream	Ashland	4.69	3.65	OC/DC	Intermittent	UNT of White River	3	11	--	Yes	Yes	79	6,671
sasd-13i_x	Ditch	Ashland	4.86	3.40	OC/DC	Intermittent	UNT of White River	3	5	--	Yes	Yes	60	5,043
sasa1020e	Ditch	Ashland	4.93	3.49	OC/DC	Ephemeral	UNT of White River	2	2	--	Yes	Yes	97	8,161
sasc041p	Stream	Ashland	5.05	5.54	DC	Perennial	Rock Creek	10	30	--	Yes	Yes	115	9,638
sasa016e	Ditch	Ashland	5.50	2.22	OC/DC	Ephemeral	UNT of Rock Creek	2	3	--	Yes	Yes	39	3,306
sasc036e	Stream	Ashland	5.54	2.00	OC/DC	Ephemeral	UNT of Rock Creek	2	5	--	Yes	Yes	36	3,025
sasc037e	Stream	Ashland	5.79	2.45	OC/DC	Ephemeral	UNT of Deer Creek	2	10	--	Yes	Yes	44	3,668
sasc038e	Stream	Ashland	5.82	3.01	OC/DC	Ephemeral	UNT of Deer Creek	2	10	--	Yes	Yes	74	6,184
sasc039i	Stream	Ashland	5.93	41.28	OC/DC	Intermittent	UNT of Deer Creek	12	30	--	Yes	Yes	447	37,564
sasc040e	Stream	Ashland	5.94	26.04	OC/DC	Ephemeral	UNT of Deer Creek	1	10	--	Yes	Yes	39	3,260
sasa067e	Stream	Ashland	6.64	2.43	OC/DC	Ephemeral	UNT of Deer Creek	2	4	--	Yes	Yes	95	7,992
sasa066i	Stream	Ashland	7.07	10.98	OC/DC	Intermittent	UNT of Deer Creek	8	10	--	Yes	Yes	167	14,025
sasa068e	Swale	Ashland	7.16	3.08	OC/DC	Ephemeral	UNT of Deer Creek	1	4	--	Yes	Yes	52	4,385
sasd015i	Stream	Ashland	7.59	8.15	OC/DC	Intermittent	UNT of Marengo River	8	8	--	Yes	Yes	147	12,384
sasd011p	Stream	Ashland	7.99	9.37	DC	Perennial	UNT of Marengo River	9	15	Perennial tributary of trout stream	Yes	Yes	170	14,256
sasc012e_x1	Ditch	Ashland	8.07	1.00	OC/DC	Ephemeral	Ditch	1	5	--	Yes	Yes	18	1,512
sasc-13e	Ditch	Ashland	8.64	3.00	OC/DC	Ephemeral	Ditch	3	6	--	Yes	Yes	54	4,541
sasa021e	Ditch	Ashland	8.65	4.00	OC/DC	Ephemeral	Ditch	4	6	--	Yes	Yes	72	6,049
WDH-102_x1	WDH	Ashland	8.81	N/A	OC/DC	Intermittent	UNT of Marengo River	N/A	N/A	--	Yes	No	1,080	90,692
WDH-102_x2	WDH	Ashland	9.03	N/A	OC/DC	Intermittent	UNT of Marengo River	N/A	N/A	--	Yes	No	888	74,602
sase1001e	Swale	Ashland	9.27	5.38	OC/DC	Ephemeral	UNT of Marengo River	5	8	--	Yes	Yes	96	8,068
sase1003e	Ditch	Ashland	10.54	1.00	OC/DC	Ephemeral	Ditch	1	4	--	Yes	Yes	18	1,512
sase1008e	Ditch	Ashland	11.95	1.00	OC/DC	Ephemeral	Ditch	1	1	--	Yes	Yes	18	1,512
sase1011i	Stream	Ashland	12.43	5.02	OC/DC	Intermittent	UNT of Marengo River	5	6	--	Yes	Yes	93	7,817
sase1015i	Stream	Ashland	12.75	5.78	OC/DC	Intermittent	UNT of Marengo River	2	5	--	Yes	Yes	67	5,647
WDH-15	WDH	Ashland	13.26	<10 feet <sup>h</sup>	OC/DC	Intermittent	UNT of Marengo River	<10 feet <sup>h</sup>	<10 feet <sup>h</sup>	--	Yes	Yes	346	29,069
sasc1005e	Ditch	Ashland	14.47	2.21	OC/DC	Ephemeral	UNT of Brunswelier River	1	5	--	Yes	Yes	45	3,815
sasc1006p	Stream	Ashland	14.73	8.60	DC	Perennial	UNT of Brunswelier River	8	30	Perennial tributary of trout stream	Yes	Yes	157	13,207
sasc1009e_x2	Stream	Ashland	14.92	2.85	OC/DC	Ephemeral	UNT of Brunswelier River	2	20	--	Yes	Yes	51	4,316
sasa1028i	Stream	Ashland	14.96	12.52	OC/DC	Intermittent	UNT of Brunswelier River	6	12	--	Yes	Yes	172	14,478
WDH-20	WDH	Ashland	15.58	<10 feet <sup>h</sup>	OC/DC	Intermittent	UNT of Trout Brook	<10 feet <sup>h</sup>	<10 feet <sup>h</sup>	--	Yes	Yes	141	11,826
sasc1003p_x1	Stream	Ashland	15.86	12.27	DC	Perennial	UNT of Trout Brook	8	50	Perennial tributary of trout stream	Yes	Yes	200	16,772
sasc026e	Stream	Ashland	16.94	2.00	OC/DC	Ephemeral	UNT of Billy Creek	2	5	--	Yes	Yes	37	3,098
sasc025i	Stream	Ashland	17.09	3.97	OC/DC	Intermittent	UNT of Billy Creek	2	3	--	Yes	Yes	52	4,342
sasd1015p	Stream	Ashland	19.83	8.04	DC	Perennial	UNT of Silver Creek	8	15	Perennial tributary of trout stream	Yes	Yes	145	12,206
sase005p_x2	Stream	Ashland	20.61	9.24	DC	Perennial	UNT of Silver Creek	9	9	Perennial tributary of trout stream	Yes	Yes	164	13,777
sasv002e	Stream	Ashland	20.96	8.82	OC/DC	Ephemeral	UNT of Silver Creek	4	5	--	Yes	Yes	140	11,796
sasv004p	Stream	Ashland	21.28	5.01	DC	Perennial	UNT of Silver Creek	5	5.5	Perennial tributary of trout stream	Yes	Yes	94	7,871
sasv006i	Stream	Ashland	21.30	5.29	OC/DC	Intermittent	UNT of Silver Creek	8	8.5	--	Yes	Yes	24	2,036

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sasv007i	Stream	Ashland	21.70	4.05	OC/DC	Intermittent	UNT of Krause Creek	4	8	--	Yes	Yes	73	6,093
sasv020p	Stream	Ashland	22.01	9.79	DC	Perennial	UNT of Krause Creek	6	8	<i>Perennial tributary of trout stream</i>	Yes	Yes	431	36,165
sasa008p	Stream	Ashland	23.72	5.00	DC	Perennial	UNT of Bad River	5	7	<i>Perennial tributary of trout stream</i>	Yes	Yes	90	7,561
sasd1006e	Ditch	Ashland	24.72	1.01	OC/DC	Ephemeral	UNT of Bad River	1	2	--	Yes	Yes	18	1,524
sasd1005e	Stream	Ashland	25.41	1.20	OC/DC	Ephemeral	UNT of Montreal Creek	1	1	--	Yes	Yes	21	1,784
sasv010i	Stream	Ashland	26.69	5.48	OC/DC	Intermittent	UNT of Scott Taylor Creek	4.5	6	--	Yes	Yes	89	7,436
sasv008i	Stream	Ashland	27.10	3.00	OC/DC	Intermittent	UNT of Scott Taylor Creek	3	6	--	Yes	Yes	54	4,538
sasv012e	Stream	Ashland	27.20	1.48	OC/DC	Ephemeral	UNT of Scott Taylor Creek	1	1	--	Yes	Yes	25	2,093
sasv016i	Stream	Ashland	27.51	1.02	OC/DC	Intermittent	UNT of Scott Taylor Creek	1	3	--	Yes	Yes	18	1,548
sasv013i	Stream	Ashland	27.56	17.65	OC/DC	Intermittent	UNT of Scott Taylor Creek	5	10	--	Yes	Yes	318	26,692
sasv018i	Stream	Ashland	27.94	1.03	OC/DC	Intermittent	UNT of Scott Taylor Creek	1	10	--	Yes	Yes	21	1,726
sasa007e_x1	Ditch	Ashland	28.06	1.54	OC/DC	Ephemeral	UNT of Gehrman Creek	1	2	--	Yes	Yes	28	2,331
sasa006e	Ditch	Ashland	28.24	1.00	OC/DC	Ephemeral	UNT of Gehrman Creek	1	2	--	Yes	Yes	18	1,512
sasa005e	Ditch	Ashland	28.25	1.00	OC/DC	Ephemeral	UNT of Gehrman Creek	1	2	--	Yes	Yes	18	1,512
sasa004p	Stream	Ashland	28.39	8.24	DC	Perennial	UNT of Gehrman Creek	8	10	<i>Perennial tributary of trout stream</i>	Yes	Yes	159	13,326
sasw011	Stream	Ashland	28.67	2.53	OC/DC	Intermittent	UNT of Gehrman Creek	4	6	--	Yes	Yes	43	3,600
sasw005	Stream	Ashland	29.81	6.74	OC/DC	Intermittent	Camp Four Creek	6	12	Class II Trout, ASNRI-PNW	Yes	Yes	116	9,783
saws006	Stream	Ashland	29.87	2.29	OC/DC	Ephemeral	UNT of Camp Four Creek	2	3	--	Yes	Yes	41	3,457
sirb010p	Stream	Iron	30.67	5.51	DC	Perennial	UNT of Feldcher Creek	5	10	<i>Perennial tributary of trout stream</i>	Yes	Yes	106	8,928
sird1005i	Stream	Iron	31.11	3.23	OC/DC	Intermittent	UNT of Feldcher Creek	2	3	--	Yes	Yes	61	5,114
WDH-103	WDH	Iron	31.76	<10 feet <sup>j</sup>	DC	Intermittent	Feldcher Creek	<10 feet <sup>j</sup>	<10 feet <sup>j</sup>	Class II Trout, ASNRI-PNW	Yes	Yes	109	9,176
sira001i	Stream	Iron	35.91	7.43	OC/DC	Intermittent	UNT of Potato River	6	15	--	Yes	Yes	134	11,287
sird004e	Stream	Iron	38.60	4.05	OC/DC	Ephemeral	UNT of Vaughn Creek	3	6	--	Yes	Yes	79	6,613
sird009p	Stream	Iron	39.00	2.00	DC	Perennial	UNT of Vaughn Creek	2	2.5	<i>Perennial tributary of trout stream</i>	Yes	Yes	59	4,944
sirc1001e	Ditch	Iron	40.27	2.00	OC/DC	Ephemeral	UNT of Vaughn Creek	2	5	--	Yes	Yes	36	3,029

<sup>a</sup> Wetland/waterbody unique identification is based on 2019/2020 field survey data and Wisconsin Wetland Inventory Desktop Mapping (WDNR, 1992).

<sup>b</sup> OC: Open trench method used in conditions of no flow, sometimes referred to as the "Wet Trench" method.

DC: Open trench method used in conditions where a discernible water flow is present in the waterbody; referred to as the "Dry Crossing" method, where the construction zone is isolated and either a dam and pump or a flume pipe routes water around the excavation area.

HDD: Horizontal Directional Drill method used to install the pipeline using a trenchless technique. Crossings proposed as HDD will require temporary installation of tracking cables across waterbodies.

- No impact in this category.

N/A = Not Applicable

<sup>c</sup> OHWM: ordinary high water mark measured as a perpendicular straight line distance from ordinary high mark to ordinary high mark

<sup>d</sup> Bank Width: Bank width measured as a perpendicular straight line distance from top of bank to top of bank.

<sup>e</sup> In addition to bridging, Enbridge proposed to allow clearing equipment and equipment necessary for installation of temporary equipment bridges, a single pass across waterbodies prior to bridge installation, unless restricted by applicable permits.

<sup>f</sup> Estimated surface area of trenchline excavation based on crossing length and crossing alignment.

<sup>g</sup> Estimated volume of excavation material based on a trench width of 18 feet wide at the top, 6 feet wide at the bottom, and 7 feet depth of trench. Actual volume will be dependent on site conditions

<sup>h</sup> WDH feature was field reviewed and recommended as a non-waterbody. Per discussion with DNR, Enbridge has classified this feature as a waterbody and estimated the feature width.

<sup>i</sup> The White River crossing will be completed by HDD; therefore, no dredging impacts (i.e., surface impacts or volume impacts) are anticipated.

<sup>j</sup> Feldcher Creek was inundated at the time of field surveys due to a downstream beaver dam and was originally field delineated as an open water wetland feature.