

New Jersey Wetlands within the Delaware River Basin Crossed by the Project Workspace – Delineated and Desktop Review

Facility MP*	County	Latitude (dd nad83)[i]	Longitude (dd nad83)[i]	Wetland ID [ii]	USGS HUC-8 Watershed	Anticipated Resource Value Classification[v]	Crossing Width (ft)[vi]	Feet Affected		Proposed Pipeline Crossing Method[viii]	Proposed Equipment Crossing Method	Alignment Sheet, Plan Sheet, or Figure#
								Cons. ROW	Square Perm. ROW			
77.7	Hunterdon	40.58375452	-75.19237271	051415_SQ_1001_PS S	Middle Delaware-Musconetcong	Exceptional	106.70	0.00	5526.66	HDD	N/A	000-03-01-156
80.0	Hunterdon	40.57296712	-75.15598051	NJDEP-123	Middle Delaware-Musconetcong	Exceptional (i)	133.45	3328.91	6500.74	Open Cut	Matted	000-03-01-161
80.7	Hunterdon	40.57646248	-75.14396488	NJDEP-AG-034	Middle Delaware-Musconetcong	Exceptional (i)	340.42	16719.93	14653.40	Open Cut	Matted	000-03-01-162
80.8	Hunterdon	40.5767396	-75.1425931	NJDEP-128	Middle Delaware-Musconetcong	Exceptional	86.35	430.78	1687.51	Open Cut	Matted	000-03-01-162
81.6	Hunterdon	40.58088058	-75.1224137	081215_JFL_1002_PE M	Middle Delaware-Musconetcong	Exceptional (i)	6.65	54.18	159.90	Bore	Matted	000-03-01-164
81.6	Hunterdon	40.58071881	-75.12246411	081215_JFL_1003_PE M	Middle Delaware-Musconetcong	Exceptional (i)	3.77	54.03	75.87	Bore	Matted	000-03-01-164
82.3	Hunterdon	40.58221245	-75.11035613	NJDEP-026	Middle Delaware-Musconetcong	Exceptional (i)	100.94	3389.03	5025.16	Bore	N/A	000-03-01-165
82.3	Hunterdon	40.58195089	-75.10938329	NJDEP-027	Middle Delaware-Musconetcong	Exceptional (i)	195.40	3841.95	9763.76	Open Cut	Matted	000-03-01-165
82.3	Hunterdon	40.58187191	-75.10813636	NJDEP-028	Middle Delaware-Musconetcong	Exceptional (i)	32.98	366.02	1598.37	Open Cut	Matted	000-03-01-165
82.3	Hunterdon	40.58220298	-75.10891226	NJDEP-AG-002	Middle Delaware-Musconetcong	Exceptional (i)	155.88	10134.23	7776.30	Open Cut	Matted	000-03-01-165
82.7	Hunterdon	40.58209801	-75.10192576	NJDEP-029	Middle Delaware-Musconetcong	Exceptional	116.67	2585.71	5792.62	Open Cut	Matted	000-03-01-166
82.9	Hunterdon	40.58189719	-75.09973098	NJDEP-AG-003	Middle Delaware-Musconetcong	Exceptional	114.10	18048.87	5611.18	Open Cut	Matted	000-03-01-166
83.9	Hunterdon	40.58114474	-75.07995237	NJDEP-031	Middle Delaware-Musconetcong	Exceptional (i)	196.10	6250.00	10003.49	Open Cut	Matted	000-03-01-168
84.6	Hunterdon	40.57370921	-75.07199413	NJDEP-AG-035	Middle Delaware-Musconetcong	Intermediate	123.68	5822.08	6229.89	Open Cut	Matted	000-03-01-170
84.8	Hunterdon	40.57412136	-75.0691145	NJDEP-034	Middle Delaware-Musconetcong	Intermediate	38.81	108.02	0.00	N/A	Matted	000-03-01-170
84.8	Hunterdon	40.57462156	-75.06934947	NJDEP-130	Middle Delaware-Musconetcong	Intermediate	47.64	957.15	2381.40	Open Cut	Matted	000-03-01-170
84.8	Hunterdon	40.57460986	-75.0686953	NJDEP-131	Middle Delaware-Musconetcong	Intermediate	77.70	2033.59	3884.53	Open Cut	Matted	000-03-01-170
85.3	Hunterdon	40.57258315	-75.06081927	NJDEP-133	Middle Delaware-Musconetcong	Exceptional	0.53	0.21	0.00	N/A	Matted	000-03-01-171
85.3	Hunterdon	40.5719125	-75.06046036	NJDEP-134	Middle Delaware-Musconetcong	Exceptional (i)	227.31	6565.81	11639.02	Open Cut	Matted	000-03-01-171
85.3	Hunterdon	40.57190406	-75.06002231	NJDEP-135	Middle Delaware-Musconetcong	Exceptional (i)	79.47	1724.68	3760.48	Open Cut	Matted	000-03-01-171
85.9	Hunterdon	40.55764537	-75.06194739	NJDEP-038	Middle Delaware-Musconetcong	Exceptional (i)	69.69	1852.58	3478.93	Open Cut	Matted	000-03-01-172.2
86.0	Hunterdon	40.55649124	-75.06186036	NJDEP-039	Middle Delaware-Musconetcong	Exceptional (i)	96.37	2465.62	4834.01	Open Cut	Matted	000-03-01-172.2
86.3	Hunterdon	40.56105094	-75.05991708	NJDEP-140	Middle Delaware-Musconetcong	Exceptional (i)	92.47	2705.40	4607.28	Open Cut	Matted	000-03-01-172.1
86.3	Hunterdon	40.56103634	-75.06028126	NJDEP-AG-040	Middle Delaware-Musconetcong	Exceptional (i)	106.85	5042.12	5319.56	Open Cut	Matted	000-03-01-172.1
86.7	Hunterdon	40.54566812	-75.05971925	NJDEP-041	Middle Delaware-Musconetcong	Exceptional (ii)	9.18	30.99	0.00	Open Cut	Matted	**
86.7	Hunterdon	40.54613479	-75.06005025	NJDEP-042	Middle Delaware-Musconetcong	Exceptional (i)	46.85	1421.76	2457.04	Open Cut	Matted	000-03-01-174
87.2	Hunterdon	40.54126385	-75.05626737	NJDEP-045	Middle Delaware-Musconetcong	Intermediate	77.92	2975.29	3888.75	Open Cut	Matted	000-03-01-175

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87.4	Hunterdon	40.53921692	-75.05282022	091114_WA_001_PEM	Middle Delaware-Musconetcong	Intermediate	17.88	826.93	1286.59	Bore	N/A	000-03-01-175
87.9	Hunterdon	40.53439475	-75.04726171	NJDEP-048	Middle Delaware-Musconetcong	Exceptional	250.05	5416.05	12447.12	Open Cut	Matted	000-03-01-176
88.4	Hunterdon	40.52815979	-75.04195122	NJDEP-049	Middle Delaware-Musconetcong	Exceptional	84.80	2279.00	4223.71	Open Cut	Matted	000-03-01-177
88.4	Hunterdon	40.52785402	-75.0419256	NJDEP-050	Middle Delaware-Musconetcong	Exceptional	54.94	1339.20	2751.79	Open Cut	Matted	000-03-01-177
88.7	Hunterdon	40.52273831	-75.04031876	NJDEP-051	Middle Delaware-Musconetcong	Intermediate	76.37	1980.43	3816.75	Bore	N/A	000-03-01-178
89.5	Hunterdon	40.51188555	-75.03861409	NJDEP-053	Middle Delaware-Musconetcong	Intermediate	52.60	1585.93	2629.28	Open Cut	Matted	000-03-01-179
90.8	Hunterdon	40.49946743	-75.02448873	NJDEP-AG-006	Middle Delaware-Musconetcong	Intermediate	634.70	60638.84	31319.60	Open Cut	Matted	000-03-01-182
90.9	Hunterdon	40.49752314	-75.02348468	NJDEP-058	Middle Delaware-Musconetcong	Intermediate	369.89	5911.28	16877.14	Open Cut	Matted	000-03-01-182
90.9	Hunterdon	40.49643995	-75.02312575	NJDEP-059	Middle Delaware-Musconetcong	Intermediate	24.76	539.88	1267.46	Open Cut	Matted	000-03-01-182
90.9	Hunterdon	40.49696995	-75.02335217	NJDEP-060	Middle Delaware-Musconetcong	Intermediate	17.41	2970.50	2415.81	Open Cut	Matted	000-03-01-182
91.2	Hunterdon	40.49388835	-75.01998377	NJDEP-AG-009	Middle Delaware-Musconetcong	Intermediate	1024.80	65579.70	48841.59	Open Cut	Matted	000-03-01-182
91.3	Hunterdon	40.49288856	-75.01894977	NJDEP-063	Middle Delaware-Musconetcong	Intermediate	13.15	36.81	0.00	N/A	Matted	000-03-01-183
91.3	Hunterdon	40.49400522	-75.01854521	NJDEP-AG-041	Middle Delaware-Musconetcong	Intermediate	137.34	3033.58	0.00	N/A	Matted	000-03-01-183
91.3	Hunterdon	40.49279858	-75.0182724	NJDEP-AG-042	Middle Delaware-Musconetcong	Intermediate	109.00	6981.25	5102.50	Open Cut	Matted	000-03-01-183
91.5	Hunterdon	40.49037142	-75.01855182	NJDEP-143	Middle Delaware-Musconetcong	Exceptional (i)	207.01	0.00	10473.86	HDD	N/A	000-03-01-183
91.5	Hunterdon	40.48998949	-75.01827913	NJDEP-144	Middle Delaware-Musconetcong	Exceptional (i)	52.15	0.00	3093.00	HDD	N/A	000-03-01-184
91.7	Hunterdon	40.48787451	-75.01863522	NJDEP-147	Middle Delaware-Musconetcong	Exceptional	84.72	0.00	4234.86	HDD	N/A	000-03-01-184
91.9	Hunterdon	40.48184128	-75.01756136	NJDEP-AG-043	Middle Delaware-Musconetcong	Exceptional	711.12	0.00	34717.65	HDD	N/A	000-03-01-184
92.2	Hunterdon	40.47885664	-75.016545	NJDEP-069	Middle Delaware-Musconetcong	Exceptional (i)	500.01	0.00	24704.89	HDD	N/A	000-03-01-185
92.3	Hunterdon	40.47898712	-75.0167028	NJDEP-150	Middle Delaware-Musconetcong	Exceptional	457.26	0.00	22979.16	HDD	N/A	**
92.5	Hunterdon	40.4754246	-75.01645988	NJDEP-AG-012	Middle Delaware-Musconetcong	Exceptional	123.08	2190.09	0.00	N/A	Matted	000-03-01-186
92.7	Hunterdon	40.47336466	-75.01414162	NJDEP-AG-013	Middle Delaware-Musconetcong	Intermediate	49.79	1036.60	2143.53	Open Cut	Matted	000-03-01-186
93.2	Hunterdon	40.47197068	-75.0117082	051915_SQ_1002_PFO	Middle Delaware-Musconetcong	Intermediate	199.35	4582.66	9895.41	Open Cut	Matted	000-03-01-186

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93.2	Hunterdon	40.47094884	-75.01104583	051915_SQ_1003_PFO	Middle Delaware-Musconetcong	Intermediate	307.02	7187.66	16002.26	Open Cut	Matted	000-03-01-186
93.3	Hunterdon	40.46851254	-75.00989828	NJDEP-074	Middle Delaware-Musconetcong	Intermediate	1170.26	29890.65	52121.54	Open Cut	Matted	000-03-01-187
93.5	Hunterdon	40.46706026	-75.00948733	NJDEP-075	Middle Delaware-Musconetcong	Intermediate	271.29	5710.81	19747.16	Open Cut	Matted	000-03-01-187
93.8	Hunterdon	40.46473065	-75.00681585	NJDEP-076	Middle Delaware-Musconetcong	Exceptional	32.23	1651.57	2062.70	Open Cut	Matted	000-03-01-188
93.8	Hunterdon	40.46487215	-75.00627714	NJDEP-077	Middle Delaware-Musconetcong	Exceptional	332.40	6115.45	14598.04	Open Cut	Matted	000-03-01-188
94.3	Hunterdon	40.45872584	-74.99901686	NJDEP-087	Middle Delaware-Musconetcong	Exceptional	127.65	5588.09	6543.40	Open Cut	Matted	000-03-01-189
94.3	Hunterdon	40.45700458	-74.99743126	NJDEP-AG-014	Middle Delaware-Musconetcong	Exceptional	549.54	33253.50	26991.56	Open Cut	Matted	000-03-01-189
94.6	Hunterdon	40.45586723	-74.99661611	NJDEP-089	Middle Delaware-Musconetcong	Exceptional	82.53	2031.82	4085.28	Open Cut	Matted	000-03-01-189
94.8	Hunterdon	40.4525535	-74.99256813	052215_SQ_1003_PEM	Middle Delaware-Musconetcong	Exceptional	67.60	120.95	0.00	N/A	Matted	000-03-01-190
94.8	Hunterdon	40.45286029	-74.99272111	052215_SQ_1003_PFO	Middle Delaware-Musconetcong	Exceptional	49.62	935.26	2480.19	Open Cut	Matted	000-03-01-190
95.1	Hunterdon	40.4506608	-74.9903785	NJDEP-092	Middle Delaware-Musconetcong	Exceptional	0.01	941.76	4352.22	Open Cut	Matted	000-03-01-190
95.1	Hunterdon	40.450783	-74.98981726	NJDEP-093	Middle Delaware-Musconetcong	Exceptional	200.72	4673.85	5849.60	Open Cut	Matted	000-03-01-190
95.6	Hunterdon	40.4442171	-74.98417892	NJDEP-AG-015	Middle Delaware-Musconetcong	Exceptional	31.39	375.88	347.47	Open Cut	Matted	000-03-01-192
97.3	Hunterdon	40.4260793	-74.96500585	NJDEP-097	Middle Delaware-Musconetcong	Exceptional (i)	121.71	2479.47	6121.81	Open Cut	Matted	000-03-01-195
97.5	Hunterdon	40.42436864	-74.9639636	NJDEP-AG-016	Middle Delaware-Musconetcong	Intermediate	283.24	18976.28	14033.66	Open Cut	Matted	000-03-01-195
98.4	Hunterdon	40.41428962	-74.9521824	NJDEP-098	Middle Delaware-Musconetcong	Intermediate	57.00	7530.43	4979.33	Bore	N/A	000-03-01-197
98.5	Hunterdon	40.41370886	-74.95235964	NJDEP-AG-017	Middle Delaware-Musconetcong	Intermediate	133.95	3577.55	5012.99	Bore	N/A	000-03-01-197
98.7	Hunterdon	40.41091138	-74.95063331	NJDEP-099	Middle Delaware-Musconetcong	Exceptional (ii)	175.77	4986.67	7887.83	Open Cut	Matted	000-03-01-198
98.7	Hunterdon	40.41074939	-74.95104688	NJDEP-100	Middle Delaware-Musconetcong	Exceptional (ii)	62.96	575.83	2779.86	Open Cut	Matted	000-03-01-198
99.6	Hunterdon	40.39990165	-74.94451665	NJDEP-AG-022	Middle Delaware-Musconetcong	Intermediate	98.91	2248.21	4897.96	Open Cut	Matted	**
99.8	Hunterdon	40.40112579	-74.94218652	NJDEP-AG-018	Middle Delaware-Musconetcong	Intermediate	160.19	1088.56	7945.42	N/A	Matted	000-03-01-199
100.3	Hunterdon	40.39446666	-74.93585203	NJDEP-101	Middle Delaware-Musconetcong	Intermediate	230.14	0.00	11473.52	HDD	N/A	000-03-01-201
101	Hunterdon	40.38601116	-74.92673174	NJDEP-AG-020	Middle Delaware-Musconetcong	Intermediate	111.51	8809.54	0.00	Open Cut	Matted	**

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Lambertville 36-inch Lateral – Delaware River Basin											
	Hunterdon	(None)									

* Milepost adjusted using station equations for consistency with September 2015 FERC Application.

** Alignment sheet numbers will be assigned upon preparation of updated mapping to reflect centerline deviation locations.

[i] Latitude and Longitude are in Decimal Degrees (dd) North American Datum 1983 (nad83).

[ii] Wetland IDs were generated during field delineation or were assigned based on GIS data (National Wetlands Inventory [NWI] or New Jersey Department of Environmental Protection [NJDEP]) to the closest northern milepost.

a = Designates wetland delineations within construction ROW as result of route realignment.

[iii] Wetland Cover Type based on Cowardin, 1979 and NJDEP, 1986 data.

Key:

PEM = Palustrine Emergent

PSS = Palustrine Scrub-Shrub

PFO = Palustrine Forested

MODR = Modified Recreational Wetland (NJDEP, 1986)

MODL = Modified Managed Wetland (NJDEP, 1986)

[iv] USACE Jurisdictional Wetlands for New Jersey are determined as being adjacent to USACE-designated Traditional Navigable Waters, including Delaware River. "No" indicates wetlands only subject to NJDEP jurisdiction per N.J.A.C.-7:7A.

[v] Resource Value Definitions:

New Jersey Exceptional Wetland Resource Value as defined by N.J.A.C.-7:7A-2.4. Criteria are:

(i) Discharges into FW1 or FW2 trout production waters or tributaries

(ii) Potentially suitable habitat for wetland dependent "threatened" or "endangered" species per NJDEP Landscape Project mapping data (NJDEP 2012)

[vi] Approximate wetland crossing distance measured within the proposed workspace.

[vii] For Cons. ROW: Square feet affected based on ATWS and temporary workspace.

For Perm. ROW: Square feet affected based on permanent workspace as presented on GIS shapefile, subject to change based on construction methodologies.

[viii] Pipeline trench width will vary based upon site-specific conditions to account for worker safety and substrate stability. Construction procedures to preserve the integrity and function of the wetland will be implemented, and the sites will be restored in accordance with FERC's Wetland and Waterbody Construction and Mitigation Procedures and in compliance with applicable permit conditions.