

Aquatic Resources Impact Table
Wetland Resources
Luzerne County

Identification			Location					Wetland Temp Impacts		Wetland Perm Impacts			Crossing Information		
Wetland ID and Crossing Number ¹	State Wetland Classification ²	Cowardin Classification ³	Milepost ⁴	Latitude	Longitude	Municipality ⁵	Quadrangle	Temporary Crossing Length (feet) ⁶	Temporary Impact Area (acres) ⁷	Permanent Crossing Length (feet) ⁸	Permanent Impact Area (acres) ⁹	Conversion Area in 30-ft Maintained ROW (acres) ¹⁰	Primary Pipeline Crossing Method ¹¹	Secondary Pipeline Crossing Method ¹¹	Temporary Equipment Crossing ¹¹
PennEast Mainline Pipeline															
050715_JC_1001_PSS	Exceptional (iii)	PSS1	0R1	41.346512	-75.944958	Dallas Twp	Kingston	555	0.29	558	0.60	0.37	CL - Open Cut	-	Matted
050715_JC_1001b_PEM	Exceptional (iii)	PEM1	0.1	41.345911	-75.943878	Dallas Twp	Kingston	4	0.00	0	0.00	-	N/A - Workspace	-	Matted
050715_JC_1001a_PEM	Exceptional (iii)	PEM1	0.1	41.346172	-75.944391	Dallas Twp	Kingston	76	0.01	71	0.01	0.00	N/A - Workspace	-	Matted
032818_WA_001_PFO	Exceptional (iii)	PFO4	1.4	41.341598	-75.922439	Dallas Twp	Kingston	86	0.04	42	0.05	0.03	CL - Open Cut	-	Matted
050416_DB_1001_PFO	Other	PFO1	2.1	41.337798	-75.910673	Kingston Twp	Kingston	62	0.03	49	0.06	0.03	CL - Open Cut	-	Matted
011815_JC_002_PFO	Exceptional (iii)	PFO1	3.1	41.325880	-75.899503	Kingston Twp	Kingston	185	0.10	146	0.14	0.09	CL - Open Cut	-	Matted
092314_GO_001_PSS	Other	PSS1	6	41.308190	-75.853972	West Wyoming Boro	Pittston	13	0.00	8	0.01	0.01	CL - Open Cut	-	Matted
110915_WA_003_PEM	Other	PEM1	6.6R2	41.304294	-75.844284	Wyoming Boro	Pittston	-	-	55	0.01	0.00	N/A - Workspace	-	Matted
060618_WA_002_PEM	Other	PEM1	13.2	41.248682	-75.770947	Bear Creek Twp	Wilkes-Barre East	334	0.10	20	0.09	0.03	CL - Open Cut	-	Matted
121814_JC_001_PEM	Other	PEM1	13.7	41.242790	-75.765697	Bear Creek Twp	Wilkes-Barre East	20	0.01	20	0.00	-	N/A - Workspace	-	Matted
111014_JC_002_PFO	Exceptional (iii)	PFO1	14.1	41.238804	-75.760698	Bear Creek Twp	Wilkes-Barre East	80	0.03	59	0.01	0.00	N/A - Workspace	-	Matted
042417_GM_1001_PFO	Exceptional (iii)	PFO1	14.7	41.232205	-75.752559	Bear Creek Twp	Wilkes-Barre East	46	0.01	25	0.03	0.02	CL - Open Cut	-	Matted
043015_JC_1001_PFO	Exceptional (iii)	PFO1	15	41.229655	-75.749365	Bear Creek Twp	Pleasant View Summit	67	0.00	34	0.05	0.03	CL - Open Cut	-	Matted
043015_JC_1001_PEM - 1	Exceptional (iii)	PEM1	15	41.229800	-75.749688	Bear Creek Twp	Pleasant View Summit	11	0.00	22	-	-	N/A - Workspace	-	Matted
043015_JC_1001_PEM - 2	Exceptional (iii)	PEM1	15	41.229630	-75.749473	Bear Creek Twp	Pleasant View Summit	59	0.01	22	0.00	-	N/A - Workspace	-	Matted
112114_JC_003B_PFO - 1	Other	PFO1	16	41.218772	-75.735831	Bear Creek Twp	Pleasant View Summit	606	0.62	645	0.44	0.44	CL - Open Cut	-	Matted
112114_JC_003B_PFO - 2	Other	PFO1	16.1	41.217366	-75.733870	Bear Creek Twp	Pleasant View Summit	14	0.00	645	-	-	N/A - Workspace	-	Matted

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112114_JC_003B_PFO - 3	Other	PFO1	16.2	41.217306	-75.733786	Bear Creek Twp	Pleasant View Summit	26	0.00	645	-	-	N/A - Workspace	-	Matted
112114_JC_003B_PSS - 1	Other	PSS1	16.2	41.217361	-75.733585	Bear Creek Twp	Pleasant View Summit	32	0.00	13	0.01	0.01	N/A - Workspace	-	Matted
112114_JC_003A_PSS - 1	Other	PSS1	16.2	41.217227	-75.733371	Bear Creek Twp	Pleasant View Summit	142	0.16	149	0.10	0.10	CL - Open Cut	-	Matted
112114_JC_002_PSS	Other	PSS1	16.4	41.215455	-75.730569	Bear Creek Twp	Pleasant View Summit	112	0.10	70	0.05	0.05	CL - Open Cut	-	Matted
112114_JC_002_PEM	Other	PEM1	16.4	41.215373	-75.730334	Bear Creek Twp	Pleasant View Summit	38	0.00	-	-	-	N/A - Workspace	-	Matted
112014_JC_002_PFO	Other	PFO4	16.8	41.211214	-75.723831	Bear Creek Twp	Pleasant View Summit	159	0.18	252	0.15	0.15	CL - Open Cut	-	Matted
112014_JC_002_PEM	Other	PEM1	16.8	41.210961	-75.723339	Bear Creek Twp	Pleasant View Summit	306	0.03	207	0.02	0.02	N/A - Workspace	-	Matted
112014_JC_001_PFO	Exceptional (iv)	PFO1	17.7	41.202828	-75.711320	Bear Creek Twp	Pleasant View Summit	334	0.24	328	0.28	0.23	CL - Open Cut	-	Matted
112014_JC_001_PEM	Other	PEM1	17.8	41.202849	-75.711255	Bear Creek Twp	Pleasant View Summit	18	0.00	3	0.00	-	N/A - Workspace	-	Matted
121614_JC_001_PFO - 1	Exceptional (iii)	PFO4	19.6	41.179513	-75.696593	Bear Creek Twp	Pleasant View Summit	57	0.02	40	0.05	0.03	CL - Open Cut	-	Matted
121614_JC_001_PEM	Exceptional (iii)	PEM1	19.7	41.178122	-75.696743	Bear Creek Twp	Pleasant View Summit	33	0.00	-	-	-	N/A - Workspace	-	Matted
121614_JC_001_PFO - 2	Exceptional (iii)	PFO4	19.7	41.178672	-75.696555	Bear Creek Twp	Pleasant View Summit	236	0.08	168	0.20	0.12	CL - Open Cut	-	Matted
102115_WA_003_PFO	Other	PFO1	22.7	41.135683	-75.689330	Bear Creek Twp	Pleasant View Summit	236	0.02	24	0.00	0.00	N/A - Workspace	-	Matted
Access Roads															
010716_GM_1002_PEM	Exceptional (iii)	PEM1	OR1	41.349063	-75.947996	Dallas Twp	Kingston	259	0.06	-	-	-	-	-	Matted
053117_MB_1001_PSS	Exceptional (iii)	PSS1	OR1	41.349265	-75.948051	Dallas Twp	Kingston	153	0.02	-	-	-	-	-	Matted
053117_MB_1001_PEM	Exceptional (iii)	PEM1	OR1	41.349372	-75.948136	Dallas Twp	Kingston	143	0.02	-	-	-	-	-	Matted
010716_GM_1001_PEM	Exceptional (iii)	PEM1	OR1	41.347696	-75.947210	Dallas Twp	Kingston	151	0.01	-	-	-	-	-	Matted
010716_GM_1001_PSS	Exceptional (iii)	PSS1	OR1	41.347617	-75.947031	Dallas Twp	Kingston	127	0.01	-	-	-	-	-	Matted
081215_MK_019_PEM	Other	PEM1	13.1	41.248147	-75.772208	Bear Creek Twp	Wilkes-Barre East	124	0.06	-	-	-	-	-	Matted

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121814_JC_002_PEM	Exceptional (iii)	PEM1	13.3	41.247905	-75.769362	Bear Creek Twp	Wilkes-Barre East	19	0.00	-	-	-	-	-	Matted
081215_MK_020_PEM	Exceptional (iii)	PEM1	13.3	41.248301	-75.768873	Bear Creek Twp	Wilkes-Barre East	11	0.00	-	-	-	-	-	Matted
081215_MK_021_PEM	Other	PEM1	13.3	41.249395	-75.767413	Bear Creek Twp	Pittston	5	0.05	-	-	-	-	-	Matted
081215_MK_022_PEM	Other	PEM1	13.2	41.251627	-75.766088	Bear Creek Twp	Pittston	37	0.01	-	-	-	-	-	Matted
042417_GM_1002_PSS	Other	PSS1	15.9	41.220433	-75.736918	Bear Creek Twp	Pleasant View Summit	262	0.18	-	-	-	-	-	Matted
042417_GM_1002_PEM	Other	PEM1	15.9	41.220446	-75.736999	Bear Creek Twp	Pleasant View Summit	37	0.01	-	-	-	-	-	Matted
112114_JC_003A_PSS - 2	Other	PSS1	16.2	41.217763	-75.733040	Bear Creek Twp	Pleasant View Summit	117	0.07	-	-	-	-	-	Matted
112114_JC_003B_PSS - 2	Other	PSS1	16.1	41.218207	-75.733890	Bear Creek Twp	Pleasant View Summit	20	0.01	-	-	-	-	-	Matted
112114_JC_003B_PSS - 3	Other	PSS1	16.1	41.217886	-75.733472	Bear Creek Twp	Pleasant View Summit	23	0.02	-	-	-	-	-	Matted
112114_JC_002A_PSS - 1	Other	PSS1	16.4	41.215737	-75.729729	Bear Creek Twp	Pleasant View Summit	149	0.10	-	-	-	-	-	Matted
112114_JC_002A_PSS - 2	Other	PSS1	16.4	41.215429	-75.729225	Bear Creek Twp	Pleasant View Summit	5	0.01	-	-	-	-	-	Matted
112014_JC_002_PSS	Other	PSS1	16.8	41.211532	-75.723194	Bear Creek Twp	Pleasant View Summit	208	0.14	-	-	-	-	-	Matted
112014_JC_001_PSS	Other	PSS1	17.7	41.203242	-75.710655	Bear Creek Twp	Pleasant View Summit	364	0.26	-	-	-	-	-	Matted
042517_GM_1001_PEM	Exceptional (iii)	PEM1	22.5	41.138583	-75.685993	Bear Creek Twp	Pleasant View Summit	25	0.02	-	-	-	-	-	Matted
042517_GM_1002_PEM	Exceptional (iii)	PEM1	22.6	41.137962	-75.685797	Bear Creek Twp	Pleasant View Summit	9	0.00	-	-	-	-	-	Matted

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Notes:

- In instances where a wetland is crossed by the proposed pipeline or workspace multiple times, crossing numbers (e.g. "-1", "-2") have been added to the Wetland ID.
- Resource Value Definitions: Pennsylvania Exceptional Value Wetland as defined by PA Code §105.17 (relating to special criteria for projects affecting important wetlands). Criteria are:
 - Serves as habitat for fauna or flora listed as "threatened" or "endangered"
 - Is hydrologically connected to or located within a 1/2-mile from habitat for fauna or flora listed as "threatened" or "endangered" and wetland dependent;
 - Located in or along the floodplain of the reach or tributaries of a wild trout stream or waters listed as exceptional value;
 - Located along an existing public or private drinking water supply.
- Wetland Cover Type based on Cowardin, 1979
Key: PEM1 = palustrine emergent, persistent; PEM2 = palustrine emergent, non-persistent; PFO1 = palustrine forested, broad-leaved deciduous; PFO4 = palustrine forested, needle-leaved evergreen; PSS1 = palustrine scrub-shrub, broad-leaved deciduous; PSS3 = palustrine scrub-shrub, broad-leaved evergreen.
- All route deviations implemented after the FERC Certificate Application are denoted with an "R" and indicate a MP equation. MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance of the DEIS. MPs with an "R2" indicate route deviations implemented as part of the September 2016 Route Update. MPs with an "R3" indicate route deviations implemented post-FERC Certificate issuance. All MPs without an "R" indicate that the route has not changed since the Certificate Application.
- Sources: PennDOT Pennsylvania municipality boundaries, dated 1/2017 and PennDOT Pennsylvania county boundaries, dated 7/2018. Available at www.pasda.psu.edu.
- Temporary crossing lengths are measured within the temporary workspace parallel to the pipeline or along the access road centerline. A "-" denotes there are no impacts to the wetland within the temporary workspace.
- Temporary impact acres are measured within the temporary workspace and additional temporary workspace; the measurement does not include acreages impacted within the 50' permanent ROW. A value of 0.00 denotes impact acreages less than 0.005 acres. A "-" denotes no impacts to the wetland.
- Permanent crossing lengths are measured along the pipeline centerline, as applicable. In instance where the pipeline does not cross a wetland, the permanent crossing length was measured along the edge of the 50' permanent ROW or permanent aboveground facility. A "-" denotes there are no impacts to the wetland within the permanent ROW.
- Permanent impact acres are measured within the 50' permanent ROW or within an aboveground facility footprint. For HDDs and bores, the permanent impact is calculated as the length of the crossing times the pipe diameter. A value of 0.00 denotes impact acreages less than 0.005 acres. A "-" denotes no impacts to the watercourse or floodway, as applicable.
- A 30' wide ROW will be maintained through PFO and PSS wetlands, resulting in the conversion of PFO and PSS to PEM wetlands.
- Crossing Type Key for Wetlands:
 - CL-Bore = Pipeline centerline crosses under wetland. Construction method is bore.
 - CL-HDD = Pipeline centerline crosses under wetland. Construction method is HDD.
 - CL-Open Cut = Pipeline centerline impacts wetland. Construction method is open cut.
 - Matted = Wetland will be matted for temporary equipment crossing.
 - N/A = Not affected by pipeline construction.
 - N/A-Workspace = Pipeline trench does not impact wetland.
 - "-" = No alternative construction method is proposed.