



Appendix LU-L-3A

Subfacility Tables - Wetland Resources in Luzerne County

Milepost ¹	Wetland ID ²	Subfacility Code ³	Latitude	Longitude	County ⁴	Municipality ⁴	Permanent Direct (acres) ⁵	Temporary Direct (acres) ⁵	Permanent Indirect (acres) ⁵	Temporary Indirect (acres) ⁵	Cowardin Classification ⁶	Wetland Type ⁷	Reforestation Planting Area	Pipe Length ⁸
PennEast Mainline														
0R1	050715_JC_1001_PSS	PIPE, TMPWI, WTIIIM, WETRE	41.346512	-75.944958	Luzerne	Dallas Twp	-	0.20	0.60	0.29	PSS1	Exceptional (iii)	0.52	558
0.1	050715_JC_1001b_PEM	PIPE, TMPWI, WTIIIM	41.345911	-75.943878	Luzerne	Dallas Twp	-	0.00	0.00	0.00	PEM1	Exceptional (iii)	-	-
0.1	050715_JC_1001a_PEM	PIPE, TMPWI, WTIIIM	41.346172	-75.944391	Luzerne	Dallas Twp	-	0.03	0.01	0.01	PEM1	Exceptional (iii)	-	-
1.4	032818_WA_001_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.341598	-75.922439	Luzerne	Dallas Twp	-	0.02	0.05	0.04	PFO4	Exceptional (iii)	0.06	42
2.1	050416_DB_1001_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.337798	-75.910673	Luzerne	Kingston Twp	-	0.02	0.06	0.03	PFO1	Other	0.06	49
3.1	011815_JC_002_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.325880	-75.899503	Luzerne	Kingston Twp	-	0.05	0.14	0.10	PFO1	Exceptional (iii)	0.15	146
6	092314_GO_001_PSS	PIPE, TMPWI, WTIIIM, WETRE	41.308190	-75.853972	Luzerne	West Wyoming Boro	-	0.00	0.01	0.00	PSS1	Other	0.00	8
6.6R2	110915_WA_003_PEM	PIPE, WTIIIM	41.304294	-75.844284	Luzerne	Wyoming Boro	-	0.02	0.01	-	PEM1	Other	-	-
13.2	060618_WA_002_PEM	PIPE, TMPWI, WTIIIM	41.248682	-75.770947	Luzerne	Bear Creek Twp	-	0.01	0.09	0.10	PEM1	Other	-	20
13.7	121814_JC_001_PEM	PIPE, TMPWI, WTIIIM	41.242790	-75.765697	Luzerne	Bear Creek Twp	-	0.01	0.00	0.01	PEM1	Other	-	-
14.1	111014_JC_002_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.238804	-75.760698	Luzerne	Bear Creek Twp	-	0.04	0.01	0.03	PFO1	Exceptional (iii)	0.04	-
14.7	042417_GM_1001_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.232205	-75.752559	Luzerne	Bear Creek Twp	-	0.01	0.03	0.01	PFO1	Exceptional (iii)	0.02	25
15	043015_JC_1001_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.229655	-75.749365	Luzerne	Bear Creek Twp	-	0.01	0.05	0.00	PFO1	Exceptional (iii)	0.03	34
15	043015_JC_1001_PEM - 1	TMPWI	41.229800	-75.749688	Luzerne	Bear Creek Twp	-	0.00	-	0.00	PEM1	Exceptional (iii)	-	-
15	043015_JC_1001_PEM - 2	PIPE, TMPWI, WTIIIM	41.229630	-75.749473	Luzerne	Bear Creek Twp	-	0.03	0.00	0.01	PEM1	Exceptional (iii)	-	-



Milepost ¹	Wetland ID ²	Subfacility Code ³	Latitude	Longitude	County ⁴	Municipality ⁴	Permanent Direct (acres) ⁵	Temporary Direct (acres) ⁵	Permanent Indirect (acres) ⁵	Temporary Indirect (acres) ⁵	Cowardin Classification ⁶	Wetland Type ⁷	Reforestation Planting Area	Pipe Length ⁸
16.2	112114_JC_003A_PSS - 1	PIPE, TMPWI, WTIIIM, WETRE	41.217227	-75.733371	Luzerne	Bear Creek Twp	-	0.05	0.10	0.16	PSS1	Other	#N/A	149
16	112114_JC_003B_PFO - 1	PIPE, TMPWI, WTIIIM, WETRE	41.218772	-75.735831	Luzerne	Bear Creek Twp	-	0.24	0.44	0.62	PFO1	Other	-	645
16.1	112114_JC_003B_PFO - 2	TMPWI	41.217366	-75.733870	Luzerne	Bear Creek Twp	-	0.01	-	0.00	PFO1	Other	-	-
16.2	112114_JC_003B_PFO - 3	TMPWI	41.217306	-75.733786	Luzerne	Bear Creek Twp	-	0.01	-	0.00	PFO1	Other	-	-
16.2	112114_JC_003B_PSS - 1	PIPE, TMPWI, WTIIIM, WETRE	41.217361	-75.733585	Luzerne	Bear Creek Twp	-	0.00	0.01	0.00	PSS1	Other	-	13
16.4	112114_JC_002_PSS	PIPE, TMPWI, WTIIIM	41.215455	-75.730569	Luzerne	Bear Creek Twp	-	0.03	0.05	0.10	PSS1	Other	0.10	70
16.4	112114_JC_002_PEM	TMPWI	41.215373	-75.730334	Luzerne	Bear Creek Twp	-	0.01	-	0.00	PEM1	Other	-	-
16.8	112014_JC_002_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.211214	-75.723831	Luzerne	Bear Creek Twp	-	0.09	0.15	0.18	PFO4	Other	0.18	252
16.8	112014_JC_002_PEM	PIPE, TMPWI, WTIIIM	41.210961	-75.723339	Luzerne	Bear Creek Twp	-	0.11	0.02	0.03	PEM1	Other	-	-
17.7	112014_JC_001_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.202828	-75.711320	Luzerne	Bear Creek Twp	-	0.12	0.28	0.24	PFO1	Exceptional (iv)	0.29	328
17.8	112014_JC_001_PEM	PIPE, TMPWI, WTIIIM	41.202849	-75.711255	Luzerne	Bear Creek Twp	-	0.01	0.00	0.00	PEM1	Other	-	-
19.7	121614_JC_001_PEM	TMPWI	41.178122	-75.696743	Luzerne	Bear Creek Twp	-	0.01	-	0.00	PEM1	Exceptional (iii)	-	-
19.6	121614_JC_001_PFO - 1	PIPE, TMPWI, WTIIIM, WETRE	41.179513	-75.696593	Luzerne	Bear Creek Twp	-	0.01	0.05	0.02	PFO4	Exceptional (ii)	-	40
19.7	121614_JC_001_PFO - 2	PIPE, TMPWI, WTIIIM, WETRE	41.178672	-75.696555	Luzerne	Bear Creek Twp	-	0.06	0.20	0.08	PFO4	Exceptional (iii)	-	168
22.7	102115_WA_003_PFO	PIPE, TMPWI, WTIIIM, WETRE	41.135683	-75.689330	Luzerne	Bear Creek Twp	-	0.01	0.00	0.02	PFO1	Other	0.02	-
Access Roads														
0R1	010716_GM_1002_PEM	TMPWI	41.349063	-75.947996	Luzerne	Dallas Twp	-	0.06	-	-	PEM1	Exceptional (iii)	-	-
0R1	053117_MB_1001_PSS	TMPWI	41.349265	-75.948051	Luzerne	Dallas Twp	-	0.02	-	-	PSS1	Exceptional (iii)	-	-
0R1	053117_MB_1001_PEM	TMPWI	41.349372	-75.948136	Luzerne	Dallas Twp	-	0.02	-	-	PEM1	Exceptional (iii)	-	-
0R1	010716_GM_1001_PEM	TMPWI	41.347696	-75.947210	Luzerne	Dallas Twp	-	0.01	-	-	PEM1	Exceptional (iii)	-	-
0R1	010716_GM_1001_PSS	TMPWI	41.347617	-75.947031	Luzerne	Dallas Twp	-	0.01	-	-	PSS1	Exceptional (iii)	-	-
13.1	081215_MK_019_PEM	TMPWI	41.248147	-75.772208	Luzerne	Bear Creek Twp	-	0.06	-	-	PEM1	Other	-	-



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13.3	121814_JC_002_PEM	TMPWI	41.247905	-75.769362	Luzerne	Bear Creek Twp	-	0.00	-	-	PEM1	Exceptional (iii)	-	-
13.3	081215_MK_020_PEM	TMPWI	41.248301	-75.768873	Luzerne	Bear Creek Twp	-	0.00	-	-	PEM1	Exceptional (iii)	-	-
13.3	081215_MK_021_PEM	TMPWI	41.249395	-75.767413	Luzerne	Bear Creek Twp	-	0.05	-	-	PEM1	Other	-	-
13.2	081215_MK_022_PEM	TMPWI	41.251627	-75.766088	Luzerne	Bear Creek Twp	-	0.01	-	-	PEM1	Other	-	-
15.9	042417_GM_1002_PSS	TMPWI	41.220433	-75.736918	Luzerne	Bear Creek Twp	-	0.18	-	-	PSS1	Other	-	-
15.9	042417_GM_1002_PEM	TMPWI	41.220446	-75.736999	Luzerne	Bear Creek Twp	-	0.01	-	-	PEM1	Other	-	-
16.2	112114_JC_003A_PSS - 2	TMPWI	41.217763	-75.733040	Luzerne	Bear Creek Twp	-	0.07	-	-	PSS1	Other	-	-
16.1	112114_JC_003B_PSS - 2	TMPWI	41.218207	-75.733890	Luzerne	Bear Creek Twp	-	0.01	-	-	PSS1	Other	-	-
16.1	112114_JC_003B_PSS - 3	TMPWI	41.217886	-75.733472	Luzerne	Bear Creek Twp	-	0.02	-	-	PSS1	Other	-	-
16.4	112114_JC_002A_PSS - 1	TMPWI	41.215737	-75.729729	Luzerne	Bear Creek Twp	-	0.10	-	-	PSS1	Other	-	-
16.4	112114_JC_002A_PSS - 2	TMPWI	41.215429	-75.729225	Luzerne	Bear Creek Twp	-	0.01	-	-	PSS1	Other	-	-
16.8	112014_JC_002_PSS	TMPWI	41.211532	-75.723194	Luzerne	Bear Creek Twp	-	0.14	-	-	PSS1	Other	-	-
17.7	112014_JC_001_PSS	TMPWI	41.203242	-75.710655	Luzerne	Bear Creek Twp	-	0.26	-	-	PSS1	Other	-	-
22.5	042517_GM_1001_PEM	TMPWI	41.138583	-75.685993	Luzerne	Bear Creek Twp	-	0.02	-	-	PEM1	Exceptional (ii)	-	-
22.6	042517_GM_1002_PEM	TMPWI	41.137962	-75.685797	Luzerne	Bear Creek Twp	-	0.00	-	-	PEM1	Exceptional (ii)	-	-

Notes:

- 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.
- Wetland ID Key: PEM = palustrine emergent, PFO = palustrine forested, PSS = palustrine scrub shrub
- Subfacility Code Key: PIPE = used for pipeline constructed for the transportation of natural gas, TMPWI = temporary wetland impact, WETRE = wetland restoration, WTDIM = wetland direct impact, WTIIM = wetland indirect impact.
- Sources: PennDOT Pennsylvania municipality boundaries, dated 1/2017 and PennDOT Pennsylvania county boundaries, dated 7/2018. Available at www.pasda.psu.edu.
- A value of 0.00 denotes impact acreages less than 0.005 acres. A "-" denotes no impacts to the wetland.
- Cowardin Classification Key: PEM1 = palustrine emergent, persistent vegetation; PEM2 = palustrine emergent non-persistent vegetation; PSS1 = palustrine scrub-shrub, broad-leaved deciduous; PSS3 = palustrine scrub-shrub, broad-leaved evergreen; PFO1 = palustrine forested, broad-leaved deciduous; PFO4 = palustrine forested, needle-leaved evergreen
- 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.
- Pipe lengths are measured as the wetland crossing length along the pipeline. A "-" denotes that the pipeline does not cross the wetland.



Subfacility Tables - Riverine Resources in Luzerne County

Milepost ¹	Watercourse ID ²	Subfacility Code ³	Latitude	Longitude	County ⁴	Municipality ⁴	Permanent Direct (acres) ⁵	Temporary Direct (acres) ⁵	Permanent Indirect (acres) ⁵	Temporary Indirect (acres) ⁵	Pipe Length ⁶
PennEast Mainline											
0.6	092414_GO_1001_P_MI	FLACT, PIPE	41.346530	-75.899263	Luzerne	Dallas Twp	-	0.03	0.10	0.04	5
1.4	032818_WA_1000_P_IN	FLACT, PIPE	41.341448	-75.921899	Luzerne	Dallas Twp	-	0.02	0.05	0.02	22
2.1	050416_DB_1001_I_MI	FLACT, PIPE	41.337719	-75.910593	Luzerne	Kingston Twp	-	0.04	0.12	0.05	3
2.6	011815_JC_1000_I_MI	FLACT, PIPE	41.332003	-75.904784	Luzerne	Kingston Twp	-	0.04	0.14	0.08	7
3.1	011815_JC_1001_P_MI	FLACT, PIPE	41.325872	-75.899495	Luzerne	Kingston Twp	-	0.05	0.15	0.08	8
3.1	011815_JC_1002_I_MI	FLACT, PIPE	41.325641	-75.899263	Luzerne	Kingston Twp	-	0.03	0.09	0.03	5
3.5	101717_AB_1001_I_MI	FLACT, PIPE	41.322740	-75.892915	Luzerne	Kingston Twp	-	0.04	0.12	0.06	5
4.3R2	020916_BT_1001_I_MI	FLACT, PIPE	41.322800	-75.879463	Luzerne	Kingston Twp	-	0.05	0.16	0.11	2
4.3R2	020916_BT_1003_P_MI	FLACT, PIPE	41.322343	-75.878331	Luzerne	Kingston Twp	-	0.04	0.14	0.06	1
4.9R3	020916_BT_1004_I_MI	FLACT, PIPE	41.315714	-75.871188	Luzerne	West Wyoming Boro	-	0.28	0.24	0.04	282
5.1	020916_BT_1006_I_MI	FLACT, PIPE	41.313760	-75.869775	Luzerne	West Wyoming Boro	-	0.02	0.02	0.00	-
5.1	020916_BT_1007_I_MI	FLACT, PIPE	41.313748	-75.869682	Luzerne	West Wyoming Boro	-	0.04	0.12	0.07	6
6	092314_GO_1001_I_MI	FLACT, PIPE	41.308143	-75.853945	Luzerne	West Wyoming Boro	-	0.01	0.02	0.00	-
6.1	092414_GO_1002_I_IN	FLACT, PIPE	41.307219	-75.852585	Luzerne	West Wyoming Boro	-	0.04	0.12	0.06	18
6.2R2	092414_GO_1003_P_MI	FLACT, PIPE	41.305865	-75.850449	Luzerne	West Wyoming Boro	-	0.09	0.29	0.48	12
6.9	102315_WA_1001_P_MA (1) - 1	FLACT, PIPE	41.301427	-75.839206	Luzerne	Wyoming Boro	-	-	0.29	15.62	532
7.2	102315_WA_1001_P_MA (1) - 2	FLACT, PIPE	41.299318	-75.836335	Luzerne	Wyoming Boro	-	-	-	-	454
9.7R2	071416_GM_1001_P_IN	FLACT, PIPE	41.279798	-75.811849	Luzerne	Plains Twp	-	0.01	0.04	-	24
10.1R2	050416_DB_1002_I_MI	FLACT, PIPE	41.275114	-75.809256	Luzerne	Plains Twp	-	0.17	0.50	0.57	3
10.8R2	110514_JC_1002_P_MI	FLACT, PIPE	41.266725	-75.800212	Luzerne	Plains Twp	-	0.02	0.08	0.04	28
11.5R2	121614_JC_1000_P_MI	FLACT, PIPE	41.261322	-75.791256	Luzerne	Plains Twp	-	0.02	0.03	0.04	8
11.5R2	121614_JC_1001_E_MI	FLACT, PIPE	41.260502	-75.789742	Luzerne	Plains Twp	-	0.05	0.09	0.15	5
12.4R2	121514_JC_1001_E_MI	FLACT, PIPE	41.251750	-75.778697	Luzerne	Plains Twp	-	0.04	0.12	0.06	3
13	121814_JC_1010_P_MI	FLACT, PIPE	41.249719	-75.774108	Luzerne	Bear Creek Twp	-	0.04	0.12	0.05	8
13.1	121814_JC_1011_P_MI	FLACT, PIPE	41.249490	-75.773361	Luzerne	Bear Creek Twp	-	0.04	0.13	0.06	9
13.2	121814_JC_1013_E_MI	FLACT, PIPE	41.249039	-75.771928	Luzerne	Bear Creek Twp	-	0.04	0.12	0.06	2
13.2	121814_JC_1012_E_MI	PIPE	41.248398	-75.770579	Luzerne	Bear Creek Twp	-	-	0.01	-	2
13.3	121814_JC_1007_E_MI	PIPE	41.247999	-75.770256	Luzerne	Bear Creek Twp	-	-	0.01	-	10
13.3	121814_JC_1008_P_MI - 1	FLACT, PIPE	41.247696	-75.770010	Luzerne	Bear Creek Twp	-	0.04	0.12	0.05	3
13.6	121814_JC_1005_P_MI	FLACT, PIPE	41.244100	-75.767517	Luzerne	Bear Creek Twp	-	0.04	0.13	0.07	6
13.6	121814_JC_1006_I_MI	FLACT, PIPE	41.244035	-75.767435	Luzerne	Bear Creek Twp	-	0.01	0.03	0.01	4
13.7	121814_JC_1004_I_MI	FLACT, PIPE	41.243136	-75.766302	Luzerne	Bear Creek Twp	-	0.04	0.12	0.06	4
13.8	121814_JC_1003_I_MI	FLACT, PIPE	41.241668	-75.764336	Luzerne	Bear Creek Twp	-	0.19	0.12	0.07	-
13.9	121814_JC_1002_P_MI	FLACT, PIPE	41.241128	-75.763772	Luzerne	Bear Creek Twp	-	0.04	0.12	0.06	6
13.9	121814_JC_1001_P_MI	FLACT, PIPE	41.240526	-75.763013	Luzerne	Bear Creek Twp	-	0.07	0.23	0.10	13
14	121814_JC_1000_I_MI	FLACT, PIPE	41.239911	-75.762343	Luzerne	Bear Creek Twp	-	0.12	0.09	0.03	-
14.1	111014_JC_1001_E_MI	FLACT, PIPE	41.238520	-75.760495	Luzerne	Bear Creek Twp	-	0.06	0.18	0.09	5



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14.7	041017_NJ_1002_I_MI	FLACT, PIPE	41.232180	-75.752526	Luzerne	Bear Creek Twp	-	0.04	0.12	0.08	2
15	043015_JC_1001_I_MI	FLACT, PIPE	41.229629	-75.749334	Luzerne	Bear Creek Twp	-	0.04	0.08	0.01	7
16.2	112114_JC_1003_P_IM - 1	FLACT, PIPE	41.217339	-75.733550	Luzerne	Bear Creek Twp	-	0.04	0.07	0.11	64
16.2	112114_JC_1002_P_MI	FLACT, PIPE	41.217030	-75.733055	Luzerne	Bear Creek Twp	-	0.03	0.06	0.10	11
16.4	112114_JC_1001_P_MI - 1	FLACT, PIPE	41.215436	-75.730538	Luzerne	Bear Creek Twp	-	0.04	0.08	0.12	6
16.7	112014_JC_1003_P_IM - 1	FLACT, PIPE	41.212532	-75.725931	Luzerne	Bear Creek Twp	-	0.01	0.01	0.02	38
16.9	112014_JC_1002_P_MI	FLACT, PIPE	41.210735	-75.723067	Luzerne	Bear Creek Twp	-	0.04	0.08	0.17	2
17.7	112014_JC_1001_P_MI	FLACT, PIPE	41.202669	-75.711108	Luzerne	Bear Creek Twp	-	0.03	0.09	0.07	4
18.3	111914_JC_1002_P_IM	FLACT, PIPE	41.196896	-75.702087	Luzerne	Bear Creek Twp	-	0.04	0.07	0.11	106
18.4	111914_JC_1001_P_IM	FLACT, PIPE	41.196394	-75.701516	Luzerne	Bear Creek Twp	-	0.11	0.03	0.08	-
19	121814_JC_1014_E_MI	FLACT, PIPE	41.188663	-75.697243	Luzerne	Bear Creek Twp	-	0.20	0.15	0.04	195
19	121814_JC_1014_I_MI	FLACT, PIPE	41.188129	-75.697217	Luzerne	Bear Creek Twp	-	0.19	0.15	0.04	166
19.6	121614_JC_1009_P_IM	FLACT, PIPE	41.179581	-75.696617	Luzerne	Bear Creek Twp	-	0.02	0.06	0.03	26
20	121714_JC_1001_E_MI	FLACT, PIPE	41.173557	-75.696364	Luzerne	Bear Creek Twp	-	0.04	0.12	0.04	10
20	121614_JC_1007_P_MI	FLACT, PIPE	41.173710	-75.696463	Luzerne	Bear Creek Twp	-	0.02	0.02	-	-
20.1	121614_JC_1006_P_MI	FLACT, PIPE	41.172410	-75.696272	Luzerne	Bear Creek Twp	-	0.09	0.28	0.11	14
21.2	121614_JC_1004_I_MI	FLACT, PIPE	41.157417	-75.693903	Luzerne	Bear Creek Twp	-	0.03	0.09	0.06	5
22.5	102115_WA_002_E_MI	FLACT, PIPE	41.137690	-75.689984	Luzerne	Bear Creek Twp	-	0.15	0.11	0.03	202
22.6	102115_WA_001_E_MI	FLACT, PIPE	41.137080	-75.689815	Luzerne	Bear Creek Twp	-	0.12	0.09	0.03	100
22.7	050615_JC_1001_P_IM	FLACT, PIPE	41.136186	-75.689567	Luzerne	Bear Creek Twp	-	0.03	0.05	0.08	25
22.7	102115_WA_001_I_MI	FLACT, PIPE	41.135822	-75.689542	Luzerne	Bear Creek Twp	-	0.05	0.01	0.04	-
Access Roads											
13.3	121814_JC_1008_P_MI - 2	FLACT	CWF, MF	PERENNIAL	UNT To Mill Creek	Bear Creek Twp	-	0.06	-	0.11	-
13.3	081215_MK_013_I_MI	FLACT	CWF, MF	INTERMITTENT	UNT To Mill Creek	Bear Creek Twp	-	0.10	-	0.10	-
13.3	081215_MK_014_P_IM	FLACT	CWF, MF	PERENNIAL	UNT To Mill Creek	Bear Creek Twp	-	0.02	-	0.02	-
13.3	081215_MK_015_I_MI	FLACT	CWF, MF	INTERMITTENT	UNT To Mill Creek	Bear Creek Twp	-	0.09	-	0.09	-
13.3	081215_MK_016_E_MI	FLACT	CWF, MF	EPHEMERAL	UNT To Mill Creek	Bear Creek Twp	-	0.08	-	0.08	-
13.3	081215_MK_017_P_IM	FLACT	CWF, MF	PERENNIAL	UNT To Mill Creek	Bear Creek Twp	0.12	-	-	-	-
14	041717_WA_1001_E_MI	FLACT	CWF, MF	EPHEMERAL	UNT To Mill Creek	Bear Creek Twp	-	0.06	-	0.06	-
16.1	112114_JC_1003_P_IM - 2	FLACT	HQ-CWF, MF	PERENNIAL	UNT To Bear Creek	Bear Creek Twp	-	0.08	-	0.08	-
16.4	112114_JC_1001_P_MI - 2	FLACT	HQ-CWF, MF	PERENNIAL	UNT To Bear Creek	Bear Creek Twp	-	0.07	-	0.07	-



Milepost ¹	Watercourse ID ²	Subfacility Code ³	Latitude	Longitude	County ⁴	Municipality ⁴	Permanent Direct (acres) ⁵	Temporary Direct (acres) ⁵	Permanent Indirect (acres) ⁵	Temporary Indirect (acres) ⁵	Pipe Length ⁶
16.7	112014_JC_1003_P_IM - 2	FLACT	HQ-CWF, MF	PERENNIAL	Meadow Run	Bear Creek Twp	-	0.02	-	0.02	-
22.5	042017_MK_1002_P_MI	FLACT	HQ-CWF, MF	INTERMITTENT	UNT To Stony Run	Bear Creek Twp	-	0.10	-	0.10	-
22.5	042517_GM_1001_P_IN	FLACT	HQ-CWF, MF	PERENNIAL	Stony Run	Bear Creek Twp	-	0.04	-	0.04	-
22.7	042517_GM_1002_I_MI	FLACT	HQ-CWF, MF	INTERMITTENT	UNT To Stony Run	Bear Creek Twp	-	0.09	-	0.09	-
22.8	042517_GM_1003_P_MI	FLACT	HQ-CWF, MF	PERENNIAL	UNT To Lehigh River	Bear Creek Twp	-	0.12	-	0.12	-

Notes:

- 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.
- Watercourse ID: P = perennial, I = intermittent, E = ephemeral, MA = major, IN = intermediate, MI = minor, C = canal, D = ditch
- Subfacility Code Key: PIPE = used for pipeline constructed for the transportation of natural gas, FLACT = floodway activity
- Sources: PennDOT Pennsylvania municipality boundaries, dated 1/2017 and PennDOT Pennsylvania county boundaries, dated 7/2018. Available at www.pasda.psu.edu.
- A value of 0.00 denotes impact acreages less than 0.005 acres. A "--" denotes no impacts to the riverine resource.
- Pipe lengths are measured as the watercourse channel crossing length along the pipeline. A "--" denotes that the pipeline does not cross the watercourse channel.



Subfacility Tables - Lacustrine Resources in Luzerne County

Milepost ¹	Watercourse ID ²	Subfacility Code ³	Latitude	Longitude	County ⁴	Municipality ⁴	Permanent Direct (acres) ⁵	Temporary Direct (acres) ⁵	Permanent Indirect (acres) ⁵	Temporary Indirect (acres) ⁵	Pipe Length ⁶
PennEast Mainline											
23	052115_JC_1001_P_MA	FLACT, PIPE	41.131387	-75.688235	Luzerne ⁷	Bear Creek Twp	-	-	0.13	0.13	432

- Notes:
- 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.
 - Watercourse ID: P = perennial, I = intermittent, E = ephemeral, MA = major, IN = intermediate, MI = minor, C = canal, D = ditch
 - Subfacility Code Key: PIPE = used for pipeline constructed for the transportation of natural gas, FLACT = floodway activity
 - Sources: PennDOT Pennsylvania municipality boundaries, dated 1/2017 and PennDOT Pennsylvania county boundaries, dated 7/2018. Available at www.pasda.psu.edu.
 - A value of 0.00 denotes impact acreages less than 0.005 acres. A "--" denotes no impacts to the riverine resource.
 - Pipe lengths are measured as the watercourse channel crossing length along the pipeline. A "--" denotes that the pipeline does not cross the watercourse channel.
 - Watercourse 052115_JC_1001_P_MA also crosses into Carbon County. All impacts are included in this subfacility impact table for Luzerne County.