Pennsylvania Waterbodies Crossed by the Project Workspace within the Delaware River Basin - Delineated Waterbodies																												
MP [a]	County	Latitude [1]	Longitude [1]	Waterbody Name [2]	Waterbody ID [3]	FERC Class [4, 14]	Water Type [5]	Stream Type [6]	Chapter 93 Designated or Existing Use [7]	Wild Trout [8]	ATW [9]	Upstream Drainage (acres)	Crossing Width (feet) [10, 13, 15]	Acres Affected Construction ROW	Acres Affected Permanent ROW	Instream Construction Period [11]	Pipeline Crossing Method [12]	Temp. Equip. Bridge	Alignment Sheet #	Acres in Survey Area	Linear Feet in Survey Area	Impact Type	Stream Impact Centerline (feet) [15]	Floodway Width (feet)	Floodway Impact Cons. ROW (acres)	Floodway Impact Perm. ROW (acres)	Class of Aquatic Resources Section 10 or 404	Silt. Impaired
PennEast Mainline Route Pipeline - Delaware River Basin																												
15	Luzerne	41.229625	-75.749322	UNT to Little Bear Creek	043015_JC_1001_I_MI	Minor	RPW	I	HQ-CWF, MF	-	-	<100	7	0.001	0.002	6/1 - 9/30	Dry Crossing	Yes	000-03-01-030	0.028	187	T	16	103	0.029	0.113	Section 404	No
16.2	Luzerne	41.21748	-75.73332	UNT to Bear Creek	112114_JC_1003_P_IM	Int.	RPW	P	HQ-CWF, MF	-	-	7744	53	0.107	0.075	6/1 - 9/30	Dry Crossing	Yes	000-03-01-033	0.418	440	T	78	555	1.013	0.663	Section 404	No
16.2	Luzerne	41.217269	-75.73299	Bear Creek	112114_JC_1002_P_MI	Minor	RPW	P	HQ-CWF, MF	-	-	7756	11	0.008	0.013	6/1 - 9/30	Dry Crossing	Yes	000-03-01-033	0.076	416	T	91	0	0.000	0.000	Section 404	No
16.4	Luzerne	41.215535	-75.730226	UNT to Bear Creek	112114_JC_1001_P_MI	Minor	RPW	P	HQ-CWF, MF	-	-	<100	6	0.011	0.023	6/1 - 9/30	Dry Crossing	Yes	000-03-01-033	0.198	495	T	87	140	0.084	0.160	Section 404	No
16.6, AR-031	Luzerne	41.217571	-75.716888	UNT Meadow Run	081215_MK_018_P_MI	Minor	RPW	P	HQ-CWF, MF	-	-	2835	4	0.004	0.000	6/1 - 9/30	N/A	Yes	000-03-03-017	495.000	99	T	35	134	0.090	0.000	Section 404	No
16.6, AR-031	Luzerne	41.21731	-75.714311	UNT Meadow Run	081315_MK_020_I_MI	Minor	RPW	I	HQ-CWF, MF	-	-	<100	8	0.001	0.000	6/1 - 9/30	N/A	Yes	000-03-03-017	986.000	58	T	8	95	0.070	0.000	Section 404	No
16.6, AR-031	Luzerne	41.217227	-75.70596	UNT Meadow Run	081315_MK_021_P_IN	Minor	RPW	P	HQ-CWF, MF	-	-	710	4	0.003	0.000	6/1 - 9/30	N/A	Yes	000-03-03-017	303.000	101	T	30	97	0.073	0.000	Section 404	No
16.6, AR-031	Luzerne	41.215606	-75.692959	Meadow Run	081415_MK_023_P_IN	Minor	RPW	P	HQ-CWF, MF	-	-	154	5	0.025	0.000	6/1 - 9/30	N/A	Yes	000-03-03-017	2400.000	1325	T	231	1690	0.841	0.000	Section 404	No
16.6, AR-031	Luzerne	41.215606	-75.692959	UNT Meadow Run	081415_MK_024_P_MI	Minor	RPW	P	HQ-CWF, MF	-	-	147	7	0.005	0.000	6/1 - 9/30	N/A	Yes	000-03-03-017	441.000	63	T	30	100	0.075	0.000	Section 404	No
16.6, AR-031	Luzerne	41.217513	-75.687998	UNT Meadow Run	081415_MK_025_I_MI	Minor	RPW	I	HQ-CWF, MF	-	-	<100	6	0.001	0.000	6/1 - 9/30	N/A	Yes	000-03-03-017	39.000	13	T	12	101	0.079	0.000	Section 404	No
16.7	Luzerne	41.212497	-75.72588	Meadow Run	112014_JC_1003_P_IM	Int.	RPW	P	HQ-CWF, MF	-	-	3526	44.5	0.067	0.044	6/1 - 9/30	Dry Crossing	Yes	000-03-01-034	0.293	439	T	78	54	0.272	0.061	Section 404	No
16.9	Luzerne	41.210545	-75.723035	UNT Meadow Run	112014_JC_1002_P_MI	Minor	RPW	P	HQ-CWF, MF	-	-	<100	2	0.002	0.002	6/1 - 9/30	Dry Crossing	Yes	000-03-01-034	0.011	242	T	85	124	0.094	0.147	Section 404	No
17.7	Luzerne	41.202611	-75.711271	UNT to Little Shades Creek	112014_JC_1001_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	<100	4	0.005	0.003	6/1 - 9/30	Dry Crossing	Yes	000-03-01-036	0.017	203	T	57	112	0.208	0.125	Section 404	No
18.3	Luzerne	41.196987	-75.701663	Little Shades Creek	111914_JC_1002_P_IM	Int.	RPW	P	HQ-CWF, MF	III	-	563	105	0.012	0.120	6/1 - 9/30	Dry Crossing	Yes	000-03-01-037	0.518	413	T	105	206	0.129	0.236	Section 404	No
18.4	Luzerne	41.1963648	-75.70168636	UNT to Little Shades Creek	111914_JC_1001_P_IM	Int.	RPW	P	HQ-CWF, MF	III	-	582	19 ***	0.009	0.000	6/1 - 9/30	Dry Crossing	Yes	000-03-01-037	0.072	211	T	4	107	0.079	0.116	Section 404	No
19	Luzerne	41.188311	-75.697376	UNT to Little Shades Creek[a]	121814_JC_1014_D_MI	Minor	-	Ditch	HQ-CWF, MF	III	-	<100	27 ***	0.001	0.000	6/1 - 9/30	Dry Crossing	Yes	000-03-01-039	0.006	184	T	26	258	0.035	0.250	Section 404	No
19.1	Luzerne	41.187697	-75.697506	UNT to Little Shades Creek	121814_JC_1014_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	<100	32 ***	0.009	0.002	6/1 - 9/30	Dry Crossing	Yes	000-03-01-039	0.093	302	T	24	196	0.032	0.209	Section 404	No
19.6	Luzerne	41.179579	-75.696554	Shades Creek	121614_JC_1009_P_IM	Int.	RPW	P	HQ-CWF, MF	I, III	-	1920	26	0.014	0.031	6/1 - 9/30	Dry Crossing	Yes	000-03-01-040	0.275	627	T	80	77	0.050	0.090	Section 404	No
20	Luzerne	41.173511	-75.69632	UNT to Shades Creek	121714_JC_1001_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	10	0.006	0.038	6/1 - 9/30	Dry Crossing	Yes	000-03-01-041	0.082	138	T	75	172	0.139	0.194	Section 404	No
20.1	Luzerne	41.172286	-75.696179	UNT to Shades Creek	121614_JC_1006_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	<100	14	0.030	0.065	6/1 - 9/30	Dry Crossing	Yes	000-03-01-041	0.411	780	T	187	300	0.223	0.334	Section 404	No
21.2	Luzerne	41.157445	-75.693796	UNT to Stony Run	121614_JC_1004_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	<100	5	0.006	0.014	6/1 - 9/30	Dry Crossing	Yes	000-03-01-043	0.073	237	T	63	128	0.099	0.142	Section 404	No
22.6	Luzerne	41.137443	-75.690063	UNT Stony Run	102115_WA_002_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	8	0.004	0.003	6/1 - 9/30	Dry Crossing	Yes	000-03-01-046	0.011	156	T	61	229	0.296	0.230	Section 404	No
22.6	Luzerne	41.13696	-75.689904	UNT Stony Run	102115_WA_001_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	8	0.002	0.001	6/1 - 9/30	Dry Crossing	Yes	000-03-01-046	0.019	269	T	21	100	0.234	0.164	Section 404	No
22.6	Luzerne	41.135711	-75.690348	Stony Run	050615_JC_1001_P_IM	Int.	RPW	P	HQ-CWF, MF	III	-	2779	24	0.012	0.027	6/1 - 9/30	Dry Crossing	Yes	000-03-01-046	0.214	931	T	155	111	0.217	0.130	Section 404	No

MP [a]	County	Latitude [1]	Longitude [1]	Waterbody Name [2]	Waterbody ID [3]	FERC Class [4,14]	Water Type [5]	Stream Type [6]	Chapter 93 Designated or Existing Use [7]	Wild Trout [8]	ATW [9]	Upstream Drainage (acres)	Crossing Width (feet) [10,13,15]	Acres Affected Construction ROW	Acres Affected Permanent ROW	Instream Construction Period [11]	Pipeline Crossing Method [12]	Temp. Equip. Bridge	Alignment Sheet #	Acres in Survey Area	Linear Feet in Survey Area	Impact Type	Stream Impact Centerline (feet) [15]	Floodway Width (feet)	Floodway Impact Cons. ROW (acres)	Floodway Impact Perm. ROW (acres)	Class of Aquatic Resources Section 10 or 404	Silt. Impaired
22.7	Luzerne	41.135737	-75.68966	UNT Stony Run	102115_WA_001_I_MI	Minor	NRPW	I	HQ-CWF, MF	III	-	2816	6	0.001	0.000	6/1 - 9/30	Dry Crossing	Yes	000-03-01-046	0.009	133	T	20	186	0.152	0.039	Section 404	No
23	Luzerne, Carbon	41.130355	-75.689558	Lehigh River	052115_JC_1001_P_MA	Major	TNW	P	HQ-CWF, MF	III	-	146560	444	0.504	0.510	6/1 - 9/30	Dry Crossing	Yes	000-03-01-047	4.169	433	T	100	560	0.637	0.643	Section 404	No
25.4, AR-034A	Carbon	41.101135	-75.662572	UNT to Porter Run	012116_DB_1003_I_MI	Minor	RPW	I	HQ-CWF, MF	-	-	< 100	3	0.002	0	6/1 - 9/30	N/A	Yes	000-03-01-050	0.009	126	T	43	195	0.132	0.000	Section 404	No
25.4, AR-034A	Carbon	41.101206	-75.662106	Porter Run	012116_DB_1001_P_IN (1)	Int.	RPW	P	HQ-CWF, MF	-	-	474	11	0.006	0	6/1 - 9/30	N/A	Yes	000-03-01-051	0.011	52	T	31	113	0.080	0.000	Section 404	No
25.4, AR-034B	Carbon	41.101151	-75.661051	Porter Run	012116_DB_1001_P_IN (2)	Int.	RPW	P	HQ-CWF, MF	-	-	448	17	0.008	0	6/1 - 9/30	N/A	Yes	000-03-01-053	0.014	53	T	32	131	0.088	0.000	Section 404	No
26.6	Carbon	41.084063	-75.661181	UNT to Black Creek	102114_JC_1001_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	<100	13	0.013	0.034	6/1 - 9/30	Dry Crossing	Yes	000-03-01-054	0.145	937	T	86	263	0.142	0.294	Section 404	No
27.3	Carbon	41.0735348	-75.65497447	UNT to Black Creek	102314_JC_1001_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	<100	12	0.034	0.053	6/1 - 9/30	Dry Crossing	Yes	000-03-01-055	0.529	580	T	189	323	0.177	0.366	Section 404	No
30.3	Carbon	41.040904	-75.626771	UNT to Hawk Run	042415_JC_1006_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	1 ***	0.000	0.000	6/1 - 9/30	Dry Crossing	Yes	000-03-01-061	0.062	818	T	0	886	0.108	0.820	Section 404	No
30.9	Carbon	41.031588	-75.624807	UNT to Laurel Run	042415_JC_1002_P_IN(1)	Int.	RPW	P	HQ-CWF, MF	III	-	<100	24***	0.027	0.004	6/1 - 9/30	Dry Crossing	Yes	000-03-01-062	0.295	857	T	18	959	0.293	1.074	Section 404	No
31.1	Carbon	41.030324	-75.624447	UNT to Laurel Run	042415_JC_1005_D_MI	Minor	-	Ditch	HQ-CWF, MF	III	-	<100	4	0.007	0.005	6/1 - 9/30	Dry Crossing	Yes	000-03-01-063	0.160	527	T	48	114	0.072	0.132	Section 404	No
31.1	Carbon	41.029984	-75.624403	Laurel Run	042415_JC_1002_P_IN(2)	Int.	RPW	P	HQ-CWF, MF	III	-	<100	16	0.013	0.016	6/1 - 9/30	Dry Crossing	Yes	000-03-01-063	0.249	751	T	84	300	0.133	0.345	Section 404	No
31.1	Carbon	41.030324	-75.624447	UNT to Laurel Run	042415_JC_1004_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	109	53	0.018	0.034	6/1 - 9/30	Dry Crossing	Yes	000-03-01-063	0.055	258	T	258	300	0.162	0.340	Section 404	No
33.1	Carbon	41.002878	-75.612921	Mud Run	042115_JC_1001_P_IN	Int.	RPW	P	HQ-CWF, MF	III	TS	16960	48	0.057	0.057	6/15 - 9/30	Dry Crossing	Yes	000-03-01-067	0.428	408	T	152	129	0.125	0.148	Section 404	No
33.1	Carbon	41.002658	-75.612872	UNT to Mud Run	042115_JC_1002_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	307	10	0.006	0.012	6/1 - 9/30	Dry Crossing	Yes	000-03-01-067	0.098	431	T	78	69	0.040	0.080	Section 404	No
33.3	Carbon	40.999475	-75.612032	UNT to Mud Run[a]	042115_JC_1004_D_MI	Minor	-	Ditch	HQ-CWF, MF	III	-	218	15	0.010	0.018	6/1 - 9/30	Dry Crossing	Yes	000-03-01-067	0.160	703	T	112	359	0.191	0.559	Section 404	No
33.3	Carbon	40.998955	-75.611872	UNT to Mud Run	042115_JC_1005_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	3	0.002	0.004	6/1 - 9/30	Dry Crossing	Yes	000-03-01-067	0.008	111	T	81	119	0.091	0.141	Section 404	No
34.6	Carbon	40.982027	-75.620481	UNT to Stony Creek	042315_JC_1002_P_MI	Minor	RPW	P	EV, MF	III	-	666	5	0.013	0.036	6/1 - 9/30	Dry Crossing	Yes	000-03-01-070	0.217	564	T	133	145	0.094	0.172	Section 404	No
34.7	Carbon	40.980984	-75.62127	Stony Creek	042315_JC_1003_P_IN	Int.	RPW	P	EV, MF	III	-	672	30	0.067	0.072	6/1 - 9/30	Dry Crossing	Yes	000-03-01-070	1.880	1815	T	85	505	0.199	0.553	Section 404	No
37.5	Carbon	40.94331	-75.634587	UNT to Wild Creek	061615_DB_1001_I_MI	Minor	RPW	I	EV, MF	III	-	<100	7	0.004	0.008	6/1 - 9/30	Dry Crossing	Yes	000-03-01-075	0.060	404	T	78	127	0.113	0.148	Section 404	No
38.3	Carbon	40.931313	-75.634571	Wild Creek	061615_DB_1002_P_IN	Int.	RPW	P	EV, MF	III	-	334	10	0.007	0.012	6/1 - 9/30	Dry Crossing	Yes	000-03-01-077	0.149	660	T	80	170	0.221	0.188	Section 404	No
39.5	Carbon	40.917461	-75.620741	UNT to White Oak Run	061615_DB_1003_I_MI	Minor	RPW	I	EV, MF	III	-	186	100 ***	0.019	0.000	6/1 - 9/30	Dry Crossing	Yes	000-03-01-080	0.094	418	T	114	154	0.198	0.183	Section 404	No
39.6	Carbon	40.917042	-75.62046	UNT to White Oak Run	091714_MK_1005_P_MI (1)	Minor	RPW	P	EV, MF	III	-	192	25	0.027	0.014	6/1 - 9/30	Dry Crossing	Yes	000-03-01-080	0.516	2521	T	247	136	0.381	0.273	Section 404	No
40.1	Carbon	40.910622	-75.614322	UNT to White Oak Run	091714_MK_1005_P_MI (2)	Minor	RPW	P	EV, MF	III	-	717	188	0.138	0.089	6/1 - 9/30	Dry Crossing	Yes	000-03-01-080	0.516	0	T	773	667	1.539	0.887	Section 404	No
43.5	Carbon	40.883151	-75.554003	Wild Creek/ Beltzville	052215_JC_1001_LAKE_MA(1)	Major	RPW	Lake	EV, MF	III	-	13863	164	0.000	0.011	6/1 - 9/30	HDD	No	000-03-01-088	5.152	435	T	4	289	0.000	0.332	Section 404	No
44	Carbon	40.883151	-75.554003	Pohopoco Creek/Beltzville Lake	052215_JC_1001_LAKE_MA(2)	Major	RPW	Lake	CWF, MF	III	-	34838	388	0.000	0.027	6/1 - 9/30	HDD	No	000-03-01-088	5.152	452	T	4	505	0.000	0.576	Section 404	No
44.2	Carbon	40.879854	-75.549332	UNT to Pohopoco Creek	061715_DB_1001_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	20	0.000	0.002	6/1 - 9/30	HDD	No	000-03-01-089	0.115	1131	T	82	318	0.000	0.000	Section 404	No

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44.3	Carbon	40.880175	-75.548342	UNT to Pohopoco Creek	122215_DB_1001_P_MI	Minor	RPW	P	CWF, MF	III	-	<100	47	0.012	0.004	6/1 - 9/30	HDD	Yes	000-03-01-089	0.092	668	T	86	503	0.269	0.588	Section 404	No
44.4	Carbon	40.879309	-75.547402	UNT to Pohopoco Creek	122215_DB_1000_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	171***	0.236	0.000	6/1 - 9/30	N/A	Yes	000-03-01-089	0.236	171	T	171	0	0.185	0.000	Section 404	No
44.4	Carbon	40.879432	-75.547432	UNT to Pohopoco Creek	122215_DB_1001_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	110	0.015	0.000	6/1 - 9/30	N/A	Yes	000-03-01-089	0.015	110	T	110	0	0.063	0.000	Section 404	No
45.0, AR-046	Carbon	40.872286	-75.540992	UNT to Hunter Creek	081715_MK_026_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	371	5	0.003	0.000	6/1 - 9/30	N/A	Yes	000-03-03-030	0.008	70	T	30	104	0.090	0.000	Section 404	No
45.1	Carbon	40.872136	-75.542258	UNT to Hunter Creek	051115_JC_1002_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	371	4	0.001	0.002	6/1 - 9/30	Dry Crossing	Yes	000-03-01-091	0.020	430	T	152	103	0.214	0.120	Section 404	No
45.6	Carbon	40.865675	-75.538078	UNT to Hunter Creek	051115_JC_1001_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	154	3	0.001	0.002	6/1 - 9/30	Dry Crossing	Yes	000-03-01-092	0.017	495	T	108	142	0.156	0.162	Section 404	No
48.1	Carbon	40.837387	-75.508783	Buckwha Creek	090914_WA_1000_P_IM	Int.	RPW	P	CWF, MF	III	ATW, TS	20544	57	0.032	0.065	6/15 - 9/30	Dry Crossing	No	000-03-01-097	0.612	927	T	158	328	0.590	0.376	Section 404	No
48.6, AR-049	Carbon	40.828913	-75.50068454	UNT to Aquashicola Creek	081715_MK_028_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	76 ***	0.009	0.000	6/1 - 9/30	N/A	Yes	000-03-03-033	0.020	151	T	76	413	0.140	0.000	Section 404	No
48.6, AR-049	Carbon	40.827977	-75.500335	UNT to Aquashicola Creek	081715_MK_029_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	2	0.001	0.000	6/1 - 9/30	N/A	Yes	000-03-03-033	0.003	36	T	30	101	0.070	0.000	Section 404	No
49.2	Carbon	40.824941	-75.51004	Aquashicola Creek	072215_JC_1001_P_IM	Int.	RPW	P	HQ-CWF, MF	III	ATW	13869	36	0.021	0.041	6/15 - 9/30	Dry Crossing	Yes	000-03-01-099	0.552	1095	T	85	694	0.381	0.795	Section 404	No
52.4	Northampton	40.801025	-75.509955	UNT to Indian Creek	072415_JC_1001_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	2 ***	0.001	0.000	6/1 - 9/30	Dry Crossing	Yes	000-03-01-105	0.003	58	T	25	92	0.073	0.098	Section 404	No
55.7	Northampton	40.783723	-75.459065	UNT to Hokendauqua Creek	102815_WA_1001_E_MI	Minor	NRPW	E	CWF, MF	III	-	<100	14	0.044	0.015	6/1 - 9/30	Dry Crossing	Yes	000-03-01-112	0.136	588	T	190	142	0.478	0.162	Section 404	No
56	Northampton	40.779937	-75.457027	UNT to Hokendauqua Creek	051215_JC_1003_D_MI	Minor	NRPW	Ditch	CWF, MF	III	-	<100	4	0.004	0.002	6/15 - 9/30	Dry Crossing	Yes	000-03-01-112	0.014	299	T	100	102	0.199	0.117	Section 404	No
59	Northampton	40.749619	-75.416463	UNT to Monocacy Creek	090314_DB_1011_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	5	0.003	0.006	6/1 - 9/30	Dry Crossing	Yes	000-03-01-119	0.052	453	T	80	112	0.090	0.128	Section 404	No
59.2	Northampton	40.747405	-75.413552	UNT to Monocacy Creek	090414_DB_1012_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	<100	5	0.001	0.006	6/1 - 9/30	Dry Crossing	Yes	000-03-01-119	0.026	279	T	67	136	0.068	0.151	Section 404	No
59.2	Northampton	40.747217	-75.413331	UNT to Monocacy Creek	090414_DB_1013_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	<100	8	0.005	0.016	6/1 - 9/30	Dry Crossing	Yes	000-03-01-119	0.112	605	T	110	152	0.158	0.174	Section 404	No
60.6	Northampton	40.736004	-75.393612	UNT to Monocacy Creek	090314_DB_1005_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	9	0.005	0.011	6/1 - 9/30	BORE	Yes	000-03-01-122	0.086	416	T	78	114	0.114	0.130	Section 404	No
60.6	Northampton	40.735774	-75.392242	UNT to Monocacy Creek	090314_DB_1007_E_MI	Minor	NRPW	E	HQ-CWF, MF	III	-	<100	4	0.003	0.005	6/1 - 9/30	BORE	Yes	000-03-01-122	0.030	326	T	88	118	0.074	0.133	Section 404	No
60.7	Northampton	40.735818	-75.392494	UNT to Monocacy Creek	090314_DB_1006_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	<100	6	0.003	0.007	6/1 - 9/30	Dry Crossing	Yes	000-03-01-122	0.062	450	T	78	113	0.080	0.135	Section 404	No
61.4	Northampton	40.73449	-75.377273	East Branch Monocacy Creek	111214_JC_1004_P_IM	Int.	RPW	P	HQ-CWF, MF	III	-	2790.4	24	0.014	0.027	6/1 - 9/30	Dry Crossing	Yes	000-03-01-123	0.223	420	T	78	128	0.203	0.147	Section 404	Yes

MP [a]	County	Latitude [1]	Longitude [1]	Waterbody Name [2]	Waterbody ID [3]	FERC Class [4,14]	Water Type [5]	Stream Type [6]	Chapter 93 Designated or Existing Use [7]	Wild Trout [8]	ATW [9]	Upstream Drainage (acres)	Crossing Width (feet) [10,13,15]	Acres Affected Construction ROW	Acres Affected Permanent ROW	Instream Construction Period [11]	Pipeline Crossing Method [12]	Temp. Equip. Bridge	Alignment Sheet #	Acres in Survey Area	Linear Feet in Survey Area	Impact Type	Stream Impact Centerline (feet) [15]	Floodway Width (feet)	Floodway Impact Cons. ROW (acres)	Floodway Impact Perm. ROW (acres)	Class of Aquatic Resources Section 10 or 404	Silt. Impaired
62.8	Northampton	40.725821	-75.356915	UNT to East Branch Monocacy Creek	051415_JC_1001_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	128	3	0.007	0.013	6/1 - 9/30	BORE	Yes	000-03-01-126	0.026	448	T	78	126	0.363	0.154	Section 404	No
63.5	Northampton	40.724861	-75.342842	UNT to East Branch Monocacy Creek	051415_JC_1002_P_IN	Int.	RPW	P	HQ-CWF, MF	III	-	3002	19	0.010	0.022	6/1 - 9/30	Dry Crosing	Yes	000-03-01-128	0.216	420	T	80	123	0.160	0.140	Section 404	No
63.7	Northampton	40.723177	-75.3405	UNT to East Branch Monocacy Creeka	051415_JC_1003_D_MI	Minor	RPW	Ditch	HQ-CWF, MF	III	-	<100	2	0.001	0.002	N/A	BORE	Yes	000-03-01-128	0.009	274	T	93	126	0.165	0.145	Section 404	No
71.5, AR-072B	Northampton	40.6352	-75.277834	UNT to Lehigh River	081815_MK_030_E_MI	Minor	NRPW	E	WWF	-	-	<100	7	0.006	0.000	6/1-11/30	N/A	Yes	000-03-03-050	0.021	126	T	38	189	0.130	0.000	Section 404	No
72.1	Northampton	40.628351	-75.272092	UNT to Bull Run	092614_GO_1001_P_IM	Int.	RPW	P	CWF, MF	III	-	83	15	0.002	0.005	6/1 - 9/30	Dry Crossing	Yes	000-03-01-145	0.045	529	T	280	241	0.136	0.272	Section 404	No
72.5	Northampton	40.625043	-75.266102	UNT to Bull Run	051415_JC_1006_E_MI	Minor	RPW	E	CWF, MF	III	-	<100	3	0.002	0.003	6/1 - 9/30	Dry Crossing	Yes	000-03-01-146	0.006	243	T	201	269	0.166	0.299	Section 404	No
72.7	Northampton	40.623182	-75.263283	UNT to Bull Run	102715_WA_1001_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	11	0.005	0.013	6/1 - 9/30	Dry Crossing	Yes	000-03-01-146	0.035	143	T	72	123	0.067	0.142	Section 404	No
72.7	Northampton	40.623072	-75.263163	UNT to Bull Run	102715_WA_1002_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	5	0.005	0.003	6/1 - 9/30	Dry Crossing	Yes	000-03-01-146	0.009	148	T	81	40	0.196	0.126	Section 404	No
72.7	Northampton	40.622647	-75.262633	UNT to Bull Run	102715_WA_1001_P_MI	Minor	RPW	P	CWF, MF	III	-	<100	8	0.003	0.014	6/1 - 9/30	Dry Crossing	Yes	000-03-01-146	0.067	486	T	115	205	0.072	0.222	Section 404	No
72.8	Northampton	40.621951	-75.261746	UNT to Bull Run	042815_JC_1005_I_MI	Minor	RPW	I	CWF, MF	III	-	<100	6	0.004	0.007	6/1 - 9/30	Dry Crossing	Yes	000-03-01-146	0.057	411	T	82	110	0.082	0.135	Section 404	No
73	Northampton	40.620293	-75.259891	UNT to Bull Run	042815_JC_1001_E_MI	Minor	NRPW	E	CWF, MF	III	-	<100	8	0.003	0.008	6/1 - 9/30	Dry Crossing	Yes	000-03-01-146	0.077	740	T	114	164	0.187	0.195	Section 404	No
73.6	Northampton	40.617885	-75.249167	UNT to Frya Run	010615_JC_1004_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	122	7	0.004	0.008	6/1 - 9/30	Dry Crossing	Yes	000-03-01-148	0.063	389	T	77	108	0.098	0.124	Section 404	No
74.6	Northampton	40.608939	-75.233038	Frya Run	091814_MK_1009_P_IM	Int.	RPW	P	HQ-CWF, MF	I, III	-	1715	15	0.008	0.017	6/1 - 9/30	Dry Crossing	Yes	000-03-01-150	0.132	410	T	78	182	0.259	0.209	Section 404	No
74.9	Northampton	40.60688	-75.229381	UNT to Frya Run	062415_BT_1002_I_MI	Minor	RPW	I	HQ-CWF, MF	III	-	<100	4	0.001	0.006	6/1 - 9/30	Dry Crossing	Yes	000-03-01-150	0.019	209	T	83	131	0.092	0.147	Section 404	No
74.9	Northampton	40.606882	-75.22908	UNT to Frya Run	062415_BT_1001_P_MI	Minor	RPW	P	HQ-CWF, MF	III	-	<100	51	0.022	0.028	6/1 - 9/30	Dry Crossing	Yes	000-03-01-150	0.227	827	T	188	250	0.253	0.274	Section 404	No
75.7	Northampton	40.601778	-75.219041	UNT to Cooks Creek	111314_JC_1002_I_MI	Minor	RPW	I	EV, MF	III	-	<100	6	0.003	0.007	6/1 - 9/30	Dry Crossing	Yes	000-03-01-152	0.051	463	T	91	129	0.099	0.149	Section 404	No
75.7	Northampton	40.601785	-75.219052	UNT to Cooks Creek	111314_JC_1003_E_MI	Minor	NRPW	E	EV, MF	III	-	<100	2	0.000	0.002	6/1 - 9/30	Dry Crossing	Yes	000-03-01-152	0.016	211	T	35	104	0.051	0.117	Section 404	No
75.7	Northampton	40.601415	-75.218427	UNT to Cooks Creek	111314_JC_1001_I_MI	Minor	RPW	I	EV, MF	III	-	<100	23	0.001	0.011	6/1 - 9/30	Dry Crossing	Yes	000-03-01-152	0.046	236	T	58	130	0.106	0.146	Section 404	No
76.2	Bucks	40.596825	-75.211361	UNT to Delaware River	051515_JC_1004_E_MI	Minor	RPW	E	WWF,MF	-	-	<100	8	0.006	0.009	6/1 - 11/30	Dry Crossing	Yes	000-03-01-153	0.082	595	T	114	322.3	0.13	0.180	Section 404	No
77.6	Bucks	40.584141	-75.194827	Delaware Canal	052915_JC_1002_C_IN	Int.	RPW	Canal	WWF,MF	-	-	4E+06	48	0.000	0.004	6/1 - 11/30	HDD	No	000-03-01-156	0.448	470	T	106	135	0	0.155	Section 404	No
77.6	Bucks	40.583992	-75.193283	Delaware River	122315_DB_1001_P_MA	Major	TNW	P	WWF	-	-	4E+06	481	0.000	0.039	6/1 - 11/30	HDD	No	000-03-01-156	4.464	474	T	53	335	0	0.385	Section 10/404	No
Hellertown 24-inch Lateral - Delaware River Basin																												
None																												
Compressor Station - Delaware River Basin																												
26.6	Carbon	41.081996	-75.667761	UNT to Black Creek	082515_BT_1001_P_IM	Int.	RPW	P	HQ-CWF, MF	III	-	346	11	0.000	0.030	6/1 - 9/30	N/A	Yes (Permanent)	000-03-01-054	0.030	121	P	123	88	0.000	0.315	Section 404	No

[a] Milepost values calculated using station equations to relate current route to the route at the time of the September FERC submission.

MP [a]	County	Latitude [1]	Longitude [1]	Waterbody Name [2]	Waterbody ID [3]	FERC Class [4,14]	Water Type [5]	Stream Type [6]	Chapter 93 Designated or Existing Use [7]	Wild Trout [8]	ATW [9]	Upstream Drainage (acres)	Crossing Width (feet) [10,13,15]	Acres Affected Construction ROW	Acres Affected Permanent ROW	Instream Construction Period [11]	Pipeline Crossing Method [12]	Temp. Equip. Bridge	Alignment Sheet #	Acres in Survey Area	Linear Feet in Survey Area	Impact Type	Stream Impact Centerline (feet) [15]	Floodway Width (feet)	Floodway Impact Cons. ROW (acres)	Floodway Impact Perm. ROW (acres)	Class of Aquatic Resources Section 10 or 404	Silt. Impaired

1 Latitude and Longitude are in Decimal Degrees (dd) North American Datum (nad83).

2 Waterbody names were based on United States Geological Service (USGS) National Hydrology Database (NHD) Data (USGS, 2014) and PA Code Ch. 93 data (PSIE, 2013).

3 Waterbody IDs were generated during field delineation or were assigned based on USGS National Hydrology Database (NHD) Data (USGS, 2014) to the closest northern milepost.

4 Wetland and Waterbody Construction and Mitigation Procedures (FERC, 2013).
FERC classifies waterbodies as any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes: “minor waterbody” (Minor) includes all waterbodies less than or equal to 10 feet wide at the water’s edge at the time of crossing; “intermediate waterbody” (Intermediate) includes all waterbodies greater than 10 feet wide but less than or equal to 100 feet wide at the water’s edge at the time of crossing; and “major waterbody” (Major) includes all waterbodies greater than 100 feet wide at the water’s edge at the time of crossing. FERC Classifications for NHD waterbodies were determined by measuring the distance of the waterbody at the crossing point using aerial photographs. If the stream was not visible on the aerial photograph the stream was designated as minor, with a crossing distance of “<10” feet. Classification may change based on

5 Section 10 waters per Army Corps of Engineers Data (USACE, 2010), Section 404 Guidelines (USACE, 2011).
Key:
TNW* = Traditional Navigable Waters, including territorial seas. TNW also refers to Section 10 waters per Army Corps of Engineers data; all other waterbodies fall under Section 404 guidelines (USACE, 2010; USACE, 2011)
RPW = Relatively Permanent Waters (RPWs) that flow directly or indirectly into TNWs
NRPW = Non-RPWs that flow directly or indirectly into TNWs

6 USGS National Hydrology Database (NHD) Data (USGS, 2014).
For delineated streams, perennial/intermittent/ephemeral determinations were myes, ade based on channel definition, i.e., having a defined bed and bank, and, as directed by PADEP (Mackowski, personal comm. 2012), by determination of stream flow using geomorphic, hydrological and biological indicators, utilizing the North Carolina Division of Water Quality (2005) identification methods as guidelines. For NHD waterbodies, perennial/intermittent/ephemeral designations were assigned in the NHD data layer.

7 Pennsylvania Code Ch. 93 Designated Use (Pennsylvania Code 2014) and Pennsylvania Statewide Existing Use Classifications (PADEP 2014).
In instances where a stream has both a Designated Use and an Existing Use Designation, the Existing Use Designation is listed.
Key:
EV = Exceptional Value Waters
HQ = High Quality Waters. Surface water that meets one or more to the conditions listed in 93.4b.
CWF = Cold Water Fishes. Maintenance or propagation, or both, to fish species including the family Salmonidae and additional flora and fauna, which are indigenous to a cold water habitat.
WWF = Warm Water Fishes. Maintenance and propagation to fish species and additional flora and fauna, which are indigenous to a warm water habitat.
MF = Migratory Fishes. Passage, maintenance, and propagation to anadromous and catadromous fishes and other fishes, which ascend to flowing waters to complete their life cycle.

8 Wild Trout Waters, Natural Reproduction, January 2015 (PFBC, 2015a), Wild Trout Waters (PFBC, 2015b), Class A Waters, December 2013 (PFBC, 2015c).
Wild Trout Waters include:
I = Class A Wild Trout Streams: Streams that support a population to naturally produced trout to sufficient size and abundance to support a long-term and rewarding sport fishery.
II = Wilderness Trout Streams: Wilderness trout stream management is based upon the provision to a wild trout fishing experience in a remote, natural, and unspoiled environment where man's disruptive activities are minimized.
III = Wild Trout Streams: Stream sections supporting naturally reproducing populations to trout. A wild trout stream section is a biological designation that does not determine how it is managed; therefore, these streams may also be stocked with hatchery trout by the Commission.

9 Approved Trout Streams (PFBC, 2015d).ATW = Approved Trout WatersTS= Trout Stocked Streams

10 Crossing width based on waters at time to delineation or aerial photography for NHD waters and may vary at time to construction. Direct Impacts to waterbodies will be limited to the trenching activities will be limited to the trenching activities associated with the installation to the pipeline. Trenches are typically less than 25 feet wide. Every attempt to preserve the integrity to the stream flow, bed, and banks outside to the trench will be undertaken.

11 Per FERC Guidelines, or State restrictions where more strict.

12 Dry crossing methods include: 1) Flumed Crossing and 2) Dam and Pump Crossing; Modified Dry crossing method (Mainline crew completes trenching using Flumed or Dam and Pump method, then flume is installed; lowering-in crew removes flume and completes lowering-in of pipe and backfilling of waterbody using Flumed or Dam and Pump Method); Wet crossing method or Open Cut Crossing (trenching and backfilling in the waterbody-not including blasting or other rock breaking measures-is complete within 24 hours).

13 The approximate crossing width is measured at the pipeline centerline and does not represent the width of the stream. In instances where a stream will not be crossed by the pipeline centerline, the crossing width provided is the average width of the stream within the Projects study area.

14 FERC stream classifications are based on FERC's "Procedures" definition of minor, intermediate and major waterbodies. Minor = waterbodies less than or equal to 10 feet wide; Intermediate = waterbodies greater than 10 feet wide but less than or equal to 100 feet wide; Major = greater than 100 feet wide.

15 Per Pennsylvania State Programmatic General Permit-4 (PASGP-4) (Revised September 29, 2015) definition for Linear Footage of Stream Impact, the linear footage of stream impact is whichever measurement is greater, the measurement from the top of bank to the top of the opposite bank or the measurement from the upstream to downstream limits of work

*** Waterbody does not cross centerline. Crossing width measured along construction ROW.