

Aquatic Resources Impact Table
 Riverine Resources
 Bucks County

Identification					Location					Stream Temporary Impacts		Stream Permanent Impacts		Floodway Temporary Impacts		Floodway Permanent Impacts		Crossing Information	
Watercourse ID and Crossing Number ¹	Watercourse Name	Ch 93 Designated/ Existing Use ²	Wild Trout ₃	Stocked Trout ⁴	Milepost ⁵	Latitude	Longitude	Municipality ⁶	Quadrangle	Temp. Crossing Length (feet) ⁷	Temp. Impact Area (acres) ⁸	Perm. Crossing Length (feet) ⁹	Perm. Impact Area (acres) ¹⁰	Temp. Crossing Length (feet) ⁷	Temp. Impact Area (acres) ⁸	Perm. Crossing Length (feet) ⁹	Perm. Impact Area (acres) ¹⁰	Primary Pipeline Crossing Method ¹¹	Secondary Pipeline Crossing Method ¹¹
PennEast Mainline																			
051515_JC_1004_E_MI	UNT to Delaware River	WWF, MF	-	-	76.2	40.596724	-75.211270	Durham Twp	Riegelsville	14	0.01	8	0.01	219	0.11	208	0.20	DPX	FX
052915_JC_1002_C_IN	Delaware Canal	WWF, MF	-	-	77.6	40.584126	-75.194900	Durham Twp	Riegelsville	-	-	48	0.00	-	-	111	0.00	HDD	HDD
122315_DB_1001_P_M	Delaware River	WWF, MF	-	-	77.6	40.584071	-75.194299	Durham Twp	Riegelsville	-	-	270	0.02	-	-	883	0.00	HDD	HDD
Access Roads																			
None																			

Notes:

- In instances where a watercourse is crossed by the proposed pipeline or workspace multiple times, crossing numbers (e.g. "-1", "-2") have been added to the Watercourse ID.
Watercourse ID Key: P = perennial, I = intermittent, E = ephemeral, MA = major, IN = intermediate, MI = minor, C = canal, D = ditch
- Sources: PADEP Streams Chapter 93 Existing Use, dated 7/2017 and PADEP Streams Chapter 93 Designated Use, dated 2/2017. If a stream has an existing use, the designated use has been replaced with that value. Available at www.pasda.psu.edu.
- Sources: PFBC Stream Sections that Support Wild Trout Production, dated 8/2018 and PFBC Class A Wild Trout Streams, dated 8/2018. Available at www.pasda.psu.edu. I = Approved Trout Water, II = Wilderness Trout Stream, III = Naturally Reproducing Trout Stream.
- Sources: PASDA Stocked Trout Waters (Flowing Waters), dated 2/2018 and PASDA Trout Stocked Streams, dated 2018. Available at www.pasda.psu.edu.
- 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 watercourse or floodway, as applicable, 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 watercourse or floodway, as applicable.
- Permanent crossing lengths are measured along the pipeline centerline, as applicable. In instance where the pipeline does not cross a watercourse or floodway, the permanent crossing length was measured along the edge of the 50' permanent ROW or at the crossing location of a new or replacement culvert. A "-" denotes there are no impacts to the watercourse or floodway, as applicable, within the permanent ROW.
- Permanent impact acres are measured within the 50' permanent ROW, within an aboveground facility footprint, or represents a culvert installation or replacement. 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.
- Crossing Type Key for Watercourse Channels:
 - BX = Conventional Bore Crossing
 - CD = Cofferdam Crossing
 - DPX = Dam-and-Pump Crossing
 - DX-NF = Dry Crossing If No Flow
 - FX = Flume Crossing
 - HDD = HDD Crossing
 - N/A = Not Applicable