

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_35-102** **POPECK**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 13                              |
| Bay-wide Resident Tier    | 9                               |
| Bay-wide Brook Trout Tier | 13                              |
| NID ID                    |                                 |
| State ID                  | 35-102                          |
| River Name                |                                 |
| Dam Height (ft)           | 9                               |
| Dam Type                  | Earth                           |
| Latitude                  | 41.605                          |
| Longitude                 | -75.6292                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1b: Creek (3.861 - 38.61 sq mi) |
| HUC 12                    | Upper South Branch Tunkhanno    |
| HUC 10                    | South Branch Tunkhannock Cree   |
| HUC 8                     | Upper Susquehanna-Tunkhanno     |
| HUC 6                     | Upper Susquehanna               |
| HUC 4                     | Susquehanna                     |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 0.14  | % Tree Cover in ARA of Upstream Network         | 46.87 |
| % Natural Cover in Upstream Drainage Area         | 70.91 | % Tree Cover in ARA of Downstream Network       | 50.56 |
| % Forested in Upstream Drainage Area              | 57.53 | % Herbaceous Cover in ARA of Upstream Network   | 49.81 |
| % Agriculture in Upstream Drainage Area           | 25.81 | % Herbaceous Cover in ARA of Downstream Network | 40.36 |
| % Natural Cover in ARA of Upstream Network        | 100   | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 66.6  | % Barren Cover in ARA of Downstream Network     | 0.06  |
| % Forest Cover in ARA of Upstream Network         | 61.7  | % Road Impervious in ARA of Upstream Network    | 0.85  |
| % Forest Cover in ARA of Downstream Network       | 39.63 | % Road Impervious in ARA of Downstream Network  | 1.52  |
| % Agricultural Cover in ARA of Upstream Network   | 0     | % Other Impervious in ARA of Upstream Network   | 0.22  |
| % Agricultural Cover in ARA of Downstream Network | 22.4  | % Other Impervious in ARA of Downstream Network | 1.7   |
| % Impervious Surf in ARA of Upstream Network      | 0     |   |       |
| % Impervious Surf in ARA of Downstream Network    | 1.85  |   |       |

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf)

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### Network, System Type and Condition

|  |       |                                |   |
|--|-------|--------------------------------|---|
| Functional Upstream Network (mi)                                   | 0.12  | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 69.09 | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 0.12  | # Downstream Hydropower Dams   | 4 |
| # Size Classes in Total Network                                    | 3     | # Downstream Dams with Passage | 5 |
| # Upstream Network Size Classes                                    | 0     | # of Downstream Barriers       | 7 |
| NFHAP Cumulative Disturbance Index                                 | Low   |                                |   |
| Dam is on Conserved Land   | No    |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 0     |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 9.13  |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0     |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 1.32  |                                |   |
| Density of off-channel dams in Upstream Network Watershed (#/m2)   | 0     |                                |   |
| Density of off-channel dams in Downstream Network Watershed (#/m2) | 0     |                                |   |

### Diadromous Fish

|   |                 |                               |                 |
|---|-----------------|-------------------------------|-----------------|
| Downstream Alewife                                  | None Documented | Downstream Striped Bass       | None Documented |
| Downstream Blueback                                 | None Documented | Downstream Atlantic Sturgeon  | None Documented |
| Downstream American Shad                            | None Documented | Downstream Shortnose Sturgeon | None Documented |
| Downstream Hickory Shad                             | None Documented | Downstream American Eel       | None Documented |
| Presence of 1 or More Downstream Anadromous Species | None Documented |                               |                 |
| # Diadromous Species Downstream (incl eel)          | 0               |                               |                 |

### Resident Fish

|  |     |
|--|-----|
| Barrier is in EBTJV BKT Catchment                | No  |
| Barrier is in Modeled BKT Catchment (DeWeber)    | Yes |
| Barrier Blocks an EBTJV Catchment                | Yes |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No  |
| Native Fish Species Richness (HUC8)              | 34  |
| # Rare Fish (HUC8)                               | 1   |
| # Rare Mussel (HUC8)                             | 2   |
| # Rare Crayfish (HUC8)                           | 0   |

### Stream Health

|                                      |      |
|--------------------------------------|------|
| Chesapeake Bay Program Stream Health | FAIR |
| MD MBSS Benthic IBI Stream Health    | N/A  |
| MD MBSS Fish IBI Stream Health       | N/A  |
| MD MBSS Combined IBI Stream Health   | N/A  |
| VA INSTAR mIBI Stream Health         | N/A  |
| PA IBI Stream Health                 | Poor |

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf)