

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_PA00379** **DUCK POND**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 17                              |
| Bay-wide Resident Tier    | 11                              |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    | PA00379                         |
| State ID                  | PA00379                         |
| River Name                |                                 |
| Dam Height (ft)           | 17                              |
| Dam Type                  | Earth                           |
| Latitude                  | 41.6                            |
| Longitude                 | -75.674                         |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 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    | 0.1   | % Tree Cover in ARA of Upstream Network         | 26.89 |
| % Natural Cover in Upstream Drainage Area         | 37.97 | % Tree Cover in ARA of Downstream Network       | 50.56 |
| % Forested in Upstream Drainage Area              | 17.04 | % Herbaceous Cover in ARA of Upstream Network   | 57.6  |
| % Agriculture in Upstream Drainage Area           | 58.81 | % Herbaceous Cover in ARA of Downstream Network | 40.36 |
| % Natural Cover in ARA of Upstream Network        | 68.58 | % 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         | 10.37 | % Road Impervious in ARA of Upstream Network    | 0.19  |
| % 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   | 28.71 | % Other Impervious in ARA of Upstream Network   | 0.4   |
| % 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      | 0.06  |   |       |
| % 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)  | 1.07            | Upstream Size Class Gain (#)                                     | 0               |
| Total Functional Network (mi)   | 70.04           | # Downsteam Natural Barriers                                     | 0               |
| Absolute Gain (mi)  | 1.07            | # Downstream Hydropower Dams                                     | 4               |
| # Size Classes in Total Network   | 3               | # Downstream Dams with Passage                                   | 5               |
| # Upstream Network Size Classes   | 1               | # of Downstream Barriers   | 7               |
| NFHAP Cumulative Disturbance Index  |                 | High   |                 |
| 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)                               |                 | 0.52   |                 |
| 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 |
| One or More DS Anadromous Species   | None Docume     | # Diadromous Sp Dnstrm (incl eel)                                | 0               |
| Resident Fish and Rare Species  |                 | Stream Health  |                 |
| Barrier is in EBTJV BKT Catchment   | No              | Chesapeake Bay Program Stream Health                             | FAIR            |
| Barrier is in Modeled BKT Catchment (DeWeber)   | No              | MD MBSS Benthic IBI Stream Health                                | N/A             |
| Barrier Blocks an EBTJV Catchment   | Yes             | MD MBSS Fish IBI Stream Health                                   | N/A             |
| Barrier Blocks a Modeled BKT Catchment (DeWeber)  | Yes             | MD MBSS Combined IBI Stream Health                               | N/A             |
| Native Fish Species Richness (HUC8)   | 34              | VA INSTAR mIBI Stream Health                                     | N/A             |
| # Rare Fish (HUC8)  | 1               | PA IBI Stream Health   | Poor            |
| # Rare Mussel (HUC8)  | 2               |  |                 |
| # Rare Crayfish (HUC8)  | 0               |  |                 |
| Globally rare or fed listed fish/mussel sp HUC12  | No              | Rare fish or mussel sp in HUC12                                  | No              |
| Globally rare or fed listed fish/mussel sp in upstream or downstream functional network | No              | Rare fish or mussel in upstream or downstream functional network | No              |

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