

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP\_9**

**Unknown**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 4                               |
| Bay-wide Resident Tier    | 15                              |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    |                                 |
| State ID                  |                                 |
| River Name                |                                 |
| Dam Height (ft)           | 0                               |
| Dam Type                  |                                 |
| Latitude                  | 39.3388                         |
| Longitude                 | -76.0055                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12                    | Lower Sassafras River           |
| HUC 10                    | Sassafras River                 |
| HUC 8                     | Chester-Sassafras               |
| HUC 6                     | Upper Chesapeake                |
| HUC 4                     | Upper Chesapeake                |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 0.12  | % Tree Cover in ARA of Upstream Network         | 5.68  |
| % Natural Cover in Upstream Drainage Area         | 7.67  | % Tree Cover in ARA of Downstream Network       | 38.66 |
| % Forested in Upstream Drainage Area              | 2.95  | % Herbaceous Cover in ARA of Upstream Network   | 89.49 |
| % Agriculture in Upstream Drainage Area           | 89.39 | % Herbaceous Cover in ARA of Downstream Network | 44.74 |
| % Natural Cover in ARA of Upstream Network        | 6.34  | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 55.28 | % Barren Cover in ARA of Downstream Network     | 0.13  |
| % Forest Cover in ARA of Upstream Network         | 2.46  | % Road Impervious in ARA of Upstream Network    | 0.68  |
| % Forest Cover in ARA of Downstream Network       | 18.29 | % Road Impervious in ARA of Downstream Network  | 0.51  |
| % Agricultural Cover in ARA of Upstream Network   | 90.73 | % Other Impervious in ARA of Upstream Network   | 1.49  |
| % Agricultural Cover in ARA of Downstream Network | 40.86 | % Other Impervious in ARA of Downstream Network | 1.27  |
| % Impervious Surf in ARA of Upstream Network      | 0.15  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 0.49  |   |       |

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)                                   | 0.96   | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 151.19 | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 0.96   | # Downstream Hydropower Dams   | 0 |
| # Size Classes in Total Network                                    | 3      | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes                                    | 1      | # of Downstream Barriers       | 0 |
| NFHAP Cumulative Disturbance Index                                 | High   |                                |   |
| Dam is on Conserved Land   | No     |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 99.28  |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 15.49  |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.25   |                                |   |
| Density of off-channel dams in Upstream Network Watershed (#/m2)   | 0      |                                |   |
| Density of off-channel dams in Downstream Network Watershed (#/m2) | 0.01   |                                |   |

### Diadromous Fish

|                                   |                 |                                   |                 |
|-----------------------------------|-----------------|-----------------------------------|-----------------|
| Downstream Alewife                | Current         | Downstream Striped Bass           | None Documented |
| Downstream Blueback               | Current         | Downstream Atlantic Sturgeon      | None Documented |
| Downstream American Shad          | None Documented | Downstream Shortnose Sturgeon     | None Documented |
| Downstream Hickory Shad           | None Documented | Downstream American Eel           | Current         |
| One or More DS Anadromous Species | Current         | # Diadromous Sp Dnstrm (incl eel) | 3               |

### Resident Fish and Rare Species

|   |    |
|---|----|
| Barrier is in EBTJV BKT Catchment   | No |
| Barrier is in Modeled BKT Catchment (DeWeber)   | No |
| Barrier Blocks an EBTJV Catchment   | No |
| Barrier Blocks a Modeled BKT Catchment (DeWeber)  | No |
| Native Fish Species Richness (HUC8)   | 48 |
| # Rare Fish (HUC8)  | 1  |
| # Rare Mussel (HUC8)  | 2  |
| # Rare Crayfish (HUC8)  | 0  |
| Globally rare or fed listed fish/mussel sp HUC12  | No |
| Globally rare or fed listed fish/mussel sp in upstream or downstream functional network | No |

### Stream Health

|  |      |
|--|------|
| Chesapeake Bay Program Stream Health                             | POOR |
| MD MBSS Benthic IBI Stream Health                                | Poor |
| MD MBSS Fish IBI Stream Health                                   | Fair |
| MD MBSS Combined IBI Stream Health                               | Fair |
| VA INSTAR mIBI Stream Health                                     | N/A  |
| PA IBI Stream Health   | N/A  |
| Rare fish or mussel sp in HUC12                                  | No   |
| Rare fish or mussel in upstream or downstream functional network | No   |

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)