

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_637** **unknown**

Bay-wide Diadromous Tier **17**
 Bay-wide Resident Tier **19**
 Bay-wide Brook Trout Tier **N/A**
 NID ID
 State ID
 River Name
 Dam Height (ft) **0**
 Dam Type
 Latitude **37.7015**
 Longitude **-77.7003**
 Passage Facilities **None Documented**
 Passage Year **N/A**
 Size Class **1a: Headwater (0 - 3.861 sq mi)**
 HUC 12 **Tuckahoe Creek**
 HUC 10 **Tuckahoe Creek-James River**
 HUC 8 **Middle James-Willis**
 HUC 6 **James**
 HUC 4 **Lower Chesapeake**



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|--------------|---|--------------|
| % Impervious Surface in Upstream Drainage Area | 1.47 | % Tree Cover in ARA of Upstream Network | 0 |
| % Natural Cover in Upstream Drainage Area | 9.2 | % Tree Cover in ARA of Downstream Network | 64.7 |
| % Forested in Upstream Drainage Area | 9.2 | % Herbaceous Cover in ARA of Upstream Network | 0 |
| % Agriculture in Upstream Drainage Area | 82.21 | % Herbaceous Cover in ARA of Downstream Network | 21.53 |
| % Natural Cover in ARA of Upstream Network | 0 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 62.34 | % Barren Cover in ARA of Downstream Network | 1.13 |
| % Forest Cover in ARA of Upstream Network | 0 | % Road Impervious in ARA of Upstream Network | 0 |
| % Forest Cover in ARA of Downstream Network | 34.68 | % Road Impervious in ARA of Downstream Network | 3.91 |
| % Agricultural Cover in ARA of Upstream Network | 0 | % Other Impervious in ARA of Upstream Network | 0 |
| % Agricultural Cover in ARA of Downstream Network | 9.86 | % Other Impervious in ARA of Downstream Network | 6.39 |
| % Impervious Surf in ARA of Upstream Network | 0 | | |
| % Impervious Surf in ARA of Downstream Network | 5.93 | | |

Metric descriptions can be found at:

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) | 0.04 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 128.92 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 0.04 | # Downstream Hydropower Dams | 3 |
| # Size Classes in Total Network | 3 | # Downstream Dams with Passage | 2 |
| # Upstream Network Size Classes | 0 | # of Downstream Barriers | 3 |
| NFHAP Cumulative Disturbance Index | Very High | | |
| Dam is on Conserved Land | No | | |
| % Conserved Land in 100m Buffer of Upstream Network | 0 | | |
| % Conserved Land in 100m Buffer of Downstream Network | 3.86 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 1.66 | | |
| 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 | Historical | Downstream Striped Bass | None Documented |
| Downstream Blueback | Historical | 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 | Historical | # Diadromous Sp Dnstrm (incl eel) | 1 |

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) | 51 |
| # Rare Fish (HUC8) | 0 |
| # Rare Mussel (HUC8) | 3 |
| # 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 | N/A |
| MD MBSS Fish IBI Stream Health | N/A |
| MD MBSS Combined IBI Stream Health | N/A |
| VA INSTAR mIBI Stream Health | High |
| 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 |

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