

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_490** **unknown**

Bay-wide Diadromous Tier 5
 Bay-wide Resident Tier 14
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID
 River Name
 Dam Height (ft) 0
 Dam Type
 Latitude 37.7701
 Longitude -77.0428
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1a: Headwater (0 - 3.861 sq mi)
 HUC 12 Aylett Creek-Mattaponi River
 HUC 10 Chapel Creek-Mattaponi River
 HUC 8 Mattaponi
 HUC 6 Lower Chesapeake
 HUC 4 Lower Chesapeake



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area | 0.12 | % Tree Cover in ARA of Upstream Network | 0 |
| % Natural Cover in Upstream Drainage Area | 50 | % Tree Cover in ARA of Downstream Network | 81.81 |
| % Forested in Upstream Drainage Area | 50 | % Herbaceous Cover in ARA of Upstream Network | 0 |
| % Agriculture in Upstream Drainage Area | 38.89 | % Herbaceous Cover in ARA of Downstream Network | 10.66 |
| % Natural Cover in ARA of Upstream Network | 0 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 86.69 | % Barren Cover in ARA of Downstream Network | 0.32 |
| % Forest Cover in ARA of Upstream Network | 0 | % Road Impervious in ARA of Upstream Network | 0 |
| % Forest Cover in ARA of Downstream Network | 38.6 | % Road Impervious in ARA of Downstream Network | 0.49 |
| % Agricultural Cover in ARA of Upstream Network | 0 | % Other Impervious in ARA of Upstream Network | 0 |
| % Agricultural Cover in ARA of Downstream Network | 9.76 | % Other Impervious in ARA of Downstream Network | 0.52 |
| % Impervious Surf in ARA of Upstream Network | 0 | | |
| % Impervious Surf in ARA of Downstream Network | 0.44 | | |

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) | 0.02 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 1688.98 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 0.02 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 4 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 0 | # of Downstream Barriers | 0 |
| NFHAP Cumulative Disturbance Index | Moderate | | |
| Dam is on Conserved Land | No | | |
| % Conserved Land in 100m Buffer of Upstream Network | 0 | | |
| % Conserved Land in 100m Buffer of Downstream Network | 6.56 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0.64 | | |
| 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 | 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) | 54 |
| # Rare Fish (HUC8) | 2 |
| # Rare Mussel (HUC8) | 4 |
| # 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 | 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 | 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 |

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf