

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_424** **unknown**

Bay-wide Diadromous Tier 20
 Bay-wide Resident Tier 18
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID
 River Name
 Dam Height (ft) 0
 Dam Type
 Latitude 37.8171
 Longitude -77.5867
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1a: Headwater (0 - 3.861 sq mi)
 HUC 12 Cedar Creek-South Anna River
 HUC 10 Lower South Anna River
 HUC 8 Pamunkey
 HUC 6 Lower Chesapeake
 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 | 25.19 | % Tree Cover in ARA of Downstream Network | 72.88 |
| % Forested in Upstream Drainage Area | 17.56 | % Herbaceous Cover in ARA of Upstream Network | 0 |
| % Agriculture in Upstream Drainage Area | 41.98 | % Herbaceous Cover in ARA of Downstream Network | 14.11 |
| % Natural Cover in ARA of Upstream Network | 0 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 85.63 | % Barren Cover in ARA of Downstream Network | 0 |
| % Forest Cover in ARA of Upstream Network | 0 | % Road Impervious in ARA of Upstream Network | 0 |
| % Forest Cover in ARA of Downstream Network | 57.5 | % Road Impervious in ARA of Downstream Network | 0.78 |
| % Agricultural Cover in ARA of Upstream Network | 0 | % Other Impervious in ARA of Upstream Network | 0 |
| % Agricultural Cover in ARA of Downstream Network | 11.28 | % Other Impervious in ARA of Downstream Network | 2.28 |
| % Impervious Surf in ARA of Upstream Network | 0 | | |
| % Impervious Surf in ARA of Downstream Network | 0.12 | | |

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) | 0.08 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 3.21 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 0.08 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 1 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 0 | # of Downstream Barriers | 4 |
| 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 | | 0.63 | |
| Density of Crossings in Upstream Network Watershed (#/m2) | | 0 | |
| Density of Crossings in Downstream Network Watershed (#/m2) | | 0.37 | |
| 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 | None Documented |
| One or More DS Anadromous Species | Historical | # 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 | ERY_POOR |
| Barrier is in Modeled BKT Catchment (DeWeber) | No | MD MBSS Benthic IBI Stream Health | N/A |
| Barrier Blocks an EBTJV Catchment | No | MD MBSS Fish IBI Stream Health | N/A |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No | MD MBSS Combined IBI Stream Health | N/A |
| Native Fish Species Richness (HUC8) | 56 | VA INSTAR mIBI Stream Health | utstanding |
| # Rare Fish (HUC8) | 1 | PA IBI Stream Health | N/A |
| # Rare Mussel (HUC8) | 3 | | |
| # 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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