

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_245** **unknown**

Bay-wide Diadromous Tier **17**
 Bay-wide Resident Tier **11**
 Bay-wide Brook Trout Tier **N/A**
 NID ID
 State ID
 River Name
 Dam Height (ft) **0**
 Dam Type
 Latitude **38.8527**
 Longitude **-78.0642**
 Passage Facilities **None Documented**
 Passage Year **N/A**
 Size Class **1a: Headwater (0 - 3.861 sq mi)**
 HUC 12 **Buck Run-Rappahannock River**
 HUC 10 **Thumb Run-Rappahannock River**
 HUC 8 **Rapidan-Upper Rappahannock**
 HUC 6 **Lower Chesapeake**
 HUC 4 **Lower Chesapeake**



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area | 0.9 | % Tree Cover in ARA of Upstream Network | 28.61 |
| % Natural Cover in Upstream Drainage Area | 39.12 | % Tree Cover in ARA of Downstream Network | 62.07 |
| % Forested in Upstream Drainage Area | 37.8 | % Herbaceous Cover in ARA of Upstream Network | 56.34 |
| % Agriculture in Upstream Drainage Area | 50.99 | % Herbaceous Cover in ARA of Downstream Network | 28.22 |
| % Natural Cover in ARA of Upstream Network | 25.93 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 61.15 | % Barren Cover in ARA of Downstream Network | 0.27 |
| % Forest Cover in ARA of Upstream Network | 20.37 | % Road Impervious in ARA of Upstream Network | 2.58 |
| % Forest Cover in ARA of Downstream Network | 38.92 | % Road Impervious in ARA of Downstream Network | 0.91 |
| % Agricultural Cover in ARA of Upstream Network | 62.96 | % Other Impervious in ARA of Upstream Network | 1.06 |
| % Agricultural Cover in ARA of Downstream Network | 32.21 | % Other Impervious in ARA of Downstream Network | 1.01 |
| % Impervious Surf in ARA of Upstream Network | 0.7 | | |
| % Impervious Surf in ARA of Downstream Network | 1.05 | | |

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) | 0.4 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 3329.42 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 0.4 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 5 | # 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 | 20.81 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0.91 | | |
| 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 | Current |
| Presence of 1 or More Downstream Anadromous Species | None Documented | | |
| # Diadromous Species Downstream (incl eel) | 1 | | |

Resident Fish

| | |
|--|-----|
| Barrier is in EBTJV BKT Catchment | No |
| Barrier is in Modeled BKT Catchment (DeWeber) | No |
| Barrier Blocks an EBTJV Catchment | Yes |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No |
| Native Fish Species Richness (HUC8) | 38 |
| # Rare Fish (HUC8) | 0 |
| # Rare Mussel (HUC8) | 4 |
| # Rare Crayfish (HUC8) | 0 |

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 |

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