

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP\_409**      **unknown**

Bay-wide Diadromous Tier      5  
 Bay-wide Resident Tier      8  
 Bay-wide Brook Trout Tier      N/A  
 NID ID  
 State ID  
 River Name  
 Dam Height (ft)      0  
 Dam Type  
 Latitude      37.2827  
 Longitude      -78.3811  
 Passage Facilities      None Documented  
 Passage Year      N/A  
 Size Class      1a: Headwater (0 - 3.861 sq mi)  
 HUC 12      Briery Creek  
 HUC 10      Bush River  
 HUC 8      Appomattox  
 HUC 6      James  
 HUC 4      Lower Chesapeake



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 3.12  | % Tree Cover in ARA of Upstream Network         | 47.56 |
| % Natural Cover in Upstream Drainage Area         | 73.83 | % Tree Cover in ARA of Downstream Network       | 86.58 |
| % Forested in Upstream Drainage Area              | 67.93 | % Herbaceous Cover in ARA of Upstream Network   | 30.5  |
| % Agriculture in Upstream Drainage Area           | 6.19  | % Herbaceous Cover in ARA of Downstream Network | 9.87  |
| % Natural Cover in ARA of Upstream Network        | 62.82 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 88.39 | % Barren Cover in ARA of Downstream Network     | 0.08  |
| % Forest Cover in ARA of Upstream Network         | 44.87 | % Road Impervious in ARA of Upstream Network    | 4.8   |
| % Forest Cover in ARA of Downstream Network       | 61    | % Road Impervious in ARA of Downstream Network  | 0.36  |
| % Agricultural Cover in ARA of Upstream Network   | 8.97  | % Other Impervious in ARA of Upstream Network   | 3.21  |
| % Agricultural Cover in ARA of Downstream Network | 9.87  | % Other Impervious in ARA of Downstream Network | 0.38  |
| % Impervious Surf in ARA of Upstream Network      | 5.56  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 0.27  |   |       |

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)  | 0.04            | Upstream Size Class Gain (#)                                     | 0               |
| Total Functional Network (mi)   | 2956.72         | # Downsteam Natural Barriers                                     | 0               |
| Absolute Gain (mi)  | 0.04            | # Downstream Hydropower Dams                                     | 3               |
| # Size Classes in Total Network   | 5               | # Downstream Dams with Passage                                   | 3               |
| # Upstream Network Size Classes   | 0               | # of Downstream Barriers   | 3               |
| NFHAP Cumulative Disturbance Index  |                 | Not Scored / Unavailable at this scale                           |                 |
| Dam is on Conserved Land  |                 | No   |                 |
| % Conserved Land in 100m Buffer of Upstream Network                                     |                 | 0  |                 |
| % Conserved Land in 100m Buffer of Downstream Network                                   |                 | 5.91   |                 |
| Density of Crossings in Upstream Network Watershed (#/m2)                               |                 | 0  |                 |
| Density of Crossings in Downstream Network Watershed (#/m2)                             |                 | 0.5  |                 |
| 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   | 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   | Current         | # Diadromous Sp Dnstrm (incl eel)                                | 2               |
| Resident Fish and Rare Species  |                 | Stream Health  |                 |
| Barrier is in EBTJV BKT Catchment   | No              | Chesapeake Bay Program Stream Health                             | 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)   | 58              | VA INSTAR mIBI Stream Health                                     | Very High       |
| # 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 | Yes             |

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