

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA\_818**

**RT 632**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 5                               |
| Bay-wide Resident Tier    | 2                               |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    |                                 |
| State ID                  | 818                             |
| River Name                | Beaverdam Creek                 |
| Dam Height (ft)           | 0                               |
| Dam Type                  |                                 |
| Latitude                  | 37.6981                         |
| Longitude                 | -77.8229                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1b: Creek (3.861 - 38.61 sq mi) |
| HUC 12                    | Beaverdam Creek                 |
| HUC 10                    | Lickinghole 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    | 0.76  | % Tree Cover in ARA of Upstream Network         | 80.17 |
| % Natural Cover in Upstream Drainage Area         | 70.68 | % Tree Cover in ARA of Downstream Network       | 79.1  |
| % Forested in Upstream Drainage Area              | 56.94 | % Herbaceous Cover in ARA of Upstream Network   | 16.55 |
| % Agriculture in Upstream Drainage Area           | 19.51 | % Herbaceous Cover in ARA of Downstream Network | 15.73 |
| % Natural Cover in ARA of Upstream Network        | 76.91 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 79.33 | % Barren Cover in ARA of Downstream Network     | 0.1   |
| % Forest Cover in ARA of Upstream Network         | 51.98 | % Road Impervious in ARA of Upstream Network    | 1.51  |
| % Forest Cover in ARA of Downstream Network       | 65.28 | % Road Impervious in ARA of Downstream Network  | 0.6   |
| % Agricultural Cover in ARA of Upstream Network   | 14.9  | % Other Impervious in ARA of Upstream Network   | 0.92  |
| % Agricultural Cover in ARA of Downstream Network | 16.03 | % Other Impervious in ARA of Downstream Network | 0.78  |
| % Impervious Surf in ARA of Upstream Network      | 0.68  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 0.71  |   |       |

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)                                   | 22.39     | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 5453.41   | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 22.39     | # Downstream Hydropower Dams   | 2 |
| # Size Classes in Total Network                                    | 6         | # Downstream Dams with Passage | 4 |
| # Upstream Network Size Classes                                    | 2         | # of Downstream Barriers       | 4 |
| NFHAP Cumulative Disturbance Index                                 | Very High |                                |   |
| Dam is on Conserved Land   | No        |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 2.38      |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 11.23     |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0.83      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.84      |                                |   |
| 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                                  | Potential Current | Downstream Striped Bass       | None Documented |
| Downstream Blueback                                 | Potential 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         |
| Presence of 1 or More Downstream Anadromous Species | Potential Current |                               |                 |
| # 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)              | 51  |
| # Rare Fish (HUC8)                               | 0   |
| # Rare Mussel (HUC8)                             | 3   |
| # 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         | Very High |
| PA IBI Stream Health                 | N/A       |

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