

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_SU038**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 14                              |
| Bay-wide Resident Tier    | 18                              |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    |                                 |
| State ID                  | SU038                           |
| River Name                |                                 |
| Dam Height (ft)           | 1.5                             |
| Dam Type                  | Unknown                         |
| Latitude                  | 39.5553                         |
| Longitude                 | -76.1036                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12                    | Rock Run-Susquehanna River      |
| HUC 10                    | Susquehanna River               |
| HUC 8                     | Lower Susquehanna               |
| HUC 6                     | Lower Susquehanna               |
| HUC 4                     | Susquehanna                     |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 26.66 | % Tree Cover in ARA of Upstream Network         | 69.41 |
| % Natural Cover in Upstream Drainage Area         | 18.69 | % Tree Cover in ARA of Downstream Network       | 80.16 |
| % Forested in Upstream Drainage Area              | 16.86 | % Herbaceous Cover in ARA of Upstream Network   | 16.25 |
| % Agriculture in Upstream Drainage Area           | 1.48  | % Herbaceous Cover in ARA of Downstream Network | 8.84  |
| % Natural Cover in ARA of Upstream Network        | 49.79 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 60    | % Barren Cover in ARA of Downstream Network     | 0     |
| % Forest Cover in ARA of Upstream Network         | 49.79 | % Road Impervious in ARA of Upstream Network    | 3.3   |
| % Forest Cover in ARA of Downstream Network       | 60    | % Road Impervious in ARA of Downstream Network  | 0.12  |
| % Agricultural Cover in ARA of Upstream Network   | 0.21  | % Other Impervious in ARA of Upstream Network   | 11.04 |
| % Agricultural Cover in ARA of Downstream Network | 0     | % Other Impervious in ARA of Downstream Network | 10.88 |
| % Impervious Surf in ARA of Upstream Network      | 8.86  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 4     |   |       |

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)                                   | 0.91      | Upstream Size Class Gain (#)   | 1 |
| Total Functional Network (mi)                                      | 0.92      | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 0.01      | # Downstream Hydropower Dams   | 0 |
| # Size Classes in Total Network                                    | 1         | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes                                    | 1         | # of Downstream Barriers       | 3 |
| NFHAP Cumulative Disturbance Index                                 | Very High |                                |   |
| Dam is on Conserved Land   | No        |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 0         |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 0         |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 1.58      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0         |                                |   |
| 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       | Current         |
| Presence of 1 or More Downstream Anadromous Species | Historical      |                               |                 |
| # 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                | No |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No |
| Native Fish Species Richness (HUC8)              | 52 |
| # Rare Fish (HUC8)                               | 1  |
| # Rare Mussel (HUC8)                             | 0  |
| # Rare Crayfish (HUC8)                           | 0  |

### Stream Health

|                                      |      |
|--------------------------------------|------|
| Chesapeake Bay Program Stream Health | FAIR |
| MD MBSS Benthic IBI Stream Health    | Fair |
| MD MBSS Fish IBI Stream Health       | Fair |
| MD MBSS Combined IBI Stream Health   | Fair |
| VA INSTAR mIBI Stream Health         | N/A  |
| PA IBI Stream Health                 | Good |

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf)