

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_CH102**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 4                               |
| Bay-wide Resident Tier    | 16                              |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    |                                 |
| State ID                  | CH102                           |
| River Name                |                                 |
| Dam Height (ft)           | 10                              |
| Dam Type                  | Unspecified Type                |
| Latitude                  | 39.3001                         |
| Longitude                 | -75.9802                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12                    | Morgan Creek                    |
| HUC 10                    | Chester River                   |
| HUC 8                     | Chester-Sassafras               |
| HUC 6                     | Upper Chesapeake                |
| HUC 4                     | Upper Chesapeake                |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 2.36  | % Tree Cover in ARA of Upstream Network         | 6.27  |
| % Natural Cover in Upstream Drainage Area         | 5.38  | % Tree Cover in ARA of Downstream Network       | 36.77 |
| % Forested in Upstream Drainage Area              | 0.64  | % Herbaceous Cover in ARA of Upstream Network   | 89.86 |
| % Agriculture in Upstream Drainage Area           | 83.24 | % Herbaceous Cover in ARA of Downstream Network | 54.04 |
| % Natural Cover in ARA of Upstream Network        | 3.49  | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 40.6  | % Barren Cover in ARA of Downstream Network     | 0.15  |
| % Forest Cover in ARA of Upstream Network         | 0.07  | % Road Impervious in ARA of Upstream Network    | 0.59  |
| % Forest Cover in ARA of Downstream Network       | 11.65 | % Road Impervious in ARA of Downstream Network  | 1     |
| % Agricultural Cover in ARA of Upstream Network   | 90.4  | % Other Impervious in ARA of Upstream Network   | 2.74  |
| % Agricultural Cover in ARA of Downstream Network | 51.32 | % Other Impervious in ARA of Downstream Network | 1.46  |
| % Impervious Surf in ARA of Upstream Network      | 0.7   |   |       |
| % Impervious Surf in ARA of Downstream Network    | 1.17  |   |       |

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)                                   | 1.16      | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 622.22    | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 1.16      | # Downstream Hydropower Dams   | 0 |
| # Size Classes in Total Network                                    | 4         | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes                                    | 1         | # of Downstream Barriers       | 0 |
| 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              | 20.13     |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 1.67      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.46      |                                |   |
| Density of off-channel dams in Upstream Network Watershed (#/m2)   | 0         |                                |   |
| Density of off-channel dams in Downstream Network Watershed (#/m2) | 0.02      |                                |   |

### Diadromous Fish

|                                   |                 |                                   |                 |
|-----------------------------------|-----------------|-----------------------------------|-----------------|
| Downstream Alewife                | Current         | Downstream Striped Bass           | None Documented |
| Downstream Blueback               | 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         |
| One or More DS Anadromous Species | Current         | # Diadromous Sp Dnstrm (incl eel) | 3               |

### Resident Fish and Rare Species

|   |     |
|---|-----|
| 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)   | 48  |
| # Rare Fish (HUC8)  | 1   |
| # Rare Mussel (HUC8)  | 2   |
| # Rare Crayfish (HUC8)  | 0   |
| Globally rare or fed listed fish/mussel sp HUC12  | No  |
| Globally rare or fed listed fish/mussel sp in upstream or downstream functional network | Yes |

### 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   | N/A  |
| Rare fish or mussel sp in HUC12                                  | No   |
| Rare fish or mussel in upstream or downstream functional network | Yes  |

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