

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA\_1296**

**ROUTE 635**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 7                               |
| Bay-wide Resident Tier    | 6                               |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    |                                 |
| State ID                  | 1296                            |
| River Name                | Gambo Creek                     |
| Dam Height (ft)           | 0                               |
| Dam Type                  |                                 |
| Latitude                  | 38.3598                         |
| Longitude                 | -77.0504                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12                    | Gambo Creek-Potomac River       |
| HUC 10                    | Nanjemoy Creek-Potomac River    |
| HUC 8                     | Lower Potomac                   |
| HUC 6                     | Potomac                         |
| HUC 4                     | Potomac                         |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 1.21  | % Tree Cover in ARA of Upstream Network         | 87.72 |
| % Natural Cover in Upstream Drainage Area         | 82.4  | % Tree Cover in ARA of Downstream Network       | 63.83 |
| % Forested in Upstream Drainage Area              | 41.19 | % Herbaceous Cover in ARA of Upstream Network   | 9.42  |
| % Agriculture in Upstream Drainage Area           | 8.86  | % Herbaceous Cover in ARA of Downstream Network | 10.41 |
| % Natural Cover in ARA of Upstream Network        | 87.16 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 74.92 | % Barren Cover in ARA of Downstream Network     | 0     |
| % Forest Cover in ARA of Upstream Network         | 37.22 | % Road Impervious in ARA of Upstream Network    | 0.92  |
| % Forest Cover in ARA of Downstream Network       | 13.18 | % Road Impervious in ARA of Downstream Network  | 2.21  |
| % Agricultural Cover in ARA of Upstream Network   | 7.3   | % Other Impervious in ARA of Upstream Network   | 0.64  |
| % Agricultural Cover in ARA of Downstream Network | 0     | % Other Impervious in ARA of Downstream Network | 4.9   |
| % Impervious Surf in ARA of Upstream Network      | 0.29  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 5.84  |   |       |

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)

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA\_1296**

**ROUTE 635**

| Network, System Type and Condition  |                 |  |                 |
|---|-----------------|--|-----------------|
| Functional Upstream Network (mi)  | 14.92           | Upstream Size Class Gain (#)                                     | 0               |
| Total Functional Network (mi)   | 15.83           | # Downsteam Natural Barriers                                     | 0               |
| Absolute Gain (mi)  | 0.91            | # Downstream Hydropower Dams                                     | 0               |
| # Size Classes in Total Network   | 1               | # Downstream Dams with Passage                                   | 0               |
| # Upstream Network Size Classes   | 1               | # of Downstream Barriers   | 2               |
| NFHAP Cumulative Disturbance Index  |                 | 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                                   |                 | 0.98   |                 |
| Density of Crossings in Upstream Network Watershed (#/m2)                               |                 | 1.69   |                 |
| Density of Crossings in Downstream Network Watershed (#/m2)                             |                 | 0.69   |                 |
| 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         |
| One or More DS Anadromous Species   | Historical      | # Diadromous Sp Dnstrm (incl eel)                                | 1               |
| Resident Fish and Rare Species  |                 | Stream Health  |                 |
| Barrier is in EBTJV BKT Catchment   | No              | Chesapeake Bay Program Stream Health                             | GOOD            |
| Barrier is in Modeled BKT Catchment (DeWeber)   | No              | MD MBSS Benthic IBI Stream Health                                | Fair            |
| Barrier Blocks an EBTJV Catchment   | No              | MD MBSS Fish IBI Stream Health                                   | Fair            |
| Barrier Blocks a Modeled BKT Catchment (DeWeber)  | No              | MD MBSS Combined IBI Stream Health                               | Fair            |
| Native Fish Species Richness (HUC8)   | 55              | VA INSTAR mIBI Stream Health                                     | Moderate        |
| # Rare Fish (HUC8)  | 3               | PA IBI Stream Health   | N/A             |
| # Rare Mussel (HUC8)  | 2               |  |                 |
| # Rare Crayfish (HUC8)  | 0               |  |                 |
| Globally rare or fed listed fish/mussel sp HUC12  | No              | Rare fish or mussel sp in HUC12                                  | Yes             |
| 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 | No              |

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)