

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA\_VA17915**      **Rocky Pen Run #4A**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 4                               |
| Bay-wide Resident Tier    | 7                               |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    | VA17915                         |
| State ID                  | VA17915                         |
| River Name                |                                 |
| Dam Height (ft)           | 27                              |
| Dam Type                  |                                 |
| Latitude                  | 38.3594                         |
| Longitude                 | -77.5355                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12                    | Motts Run-Rappahannock River    |
| HUC 10                    | Massaponax Creek-Rappahannock   |
| HUC 8                     | Lower Rappahannock              |
| HUC 6                     | Lower Chesapeake                |
| HUC 4                     | Lower Chesapeake                |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 23.78 | % Tree Cover in ARA of Upstream Network         | 45.59 |
| % Natural Cover in Upstream Drainage Area         | 26.59 | % Tree Cover in ARA of Downstream Network       | 62.07 |
| % Forested in Upstream Drainage Area              | 25.06 | % Herbaceous Cover in ARA of Upstream Network   | 30.64 |
| % Agriculture in Upstream Drainage Area           | 5.8   | % Herbaceous Cover in ARA of Downstream Network | 28.22 |
| % Natural Cover in ARA of Upstream Network        | 35.17 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 61.15 | % Barren Cover in ARA of Downstream Network     | 0.27  |
| % Forest Cover in ARA of Upstream Network         | 31.49 | % Road Impervious in ARA of Upstream Network    | 7.33  |
| % Forest Cover in ARA of Downstream Network       | 38.92 | % Road Impervious in ARA of Downstream Network  | 0.91  |
| % Agricultural Cover in ARA of Upstream Network   | 0.37  | % Other Impervious in ARA of Upstream Network   | 13.49 |
| % Agricultural Cover in ARA of Downstream Network | 32.21 | % Other Impervious in ARA of Downstream Network | 1.01  |
| % Impervious Surf in ARA of Upstream Network      | 22.55 |   |       |
| % Impervious Surf in ARA of Downstream Network    | 1.05  |   |       |

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)                                   | 1.52      | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 3330.54   | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 1.52      | # Downstream Hydropower Dams   | 0 |
| # Size Classes in Total Network                                    | 5         | # 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              | 20.81     |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0.64      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.91      |                                |   |
| 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                                 | 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 | Current         |                               |                 |
| # Diadromous Species Downstream (incl eel)          | 3               |                               |                 |

### 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)              | 58  |
| # Rare Fish (HUC8)                               | 2   |
| # Rare Mussel (HUC8)                             | 2   |
| # Rare Crayfish (HUC8)                           | 0   |

### Stream Health

|                                      |           |
|--------------------------------------|-----------|
| Chesapeake Bay Program Stream Health | GOOD      |
| 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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