

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_MD00270**    **Cohen Pond**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 7                               |
| Bay-wide Resident Tier    | 8                               |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    | MD00270                         |
| State ID                  | 295                             |
| River Name                |                                 |
| Dam Height (ft)           | 33                              |
| Dam Type                  | Earth                           |
| Latitude                  | 39.4025                         |
| Longitude                 | -77.5032                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12                    | Ballenger Creek-Monocacy River  |
| HUC 10                    | Lower Monocacy River            |
| HUC 8                     | Monocacy                        |
| HUC 6                     | Potomac                         |
| HUC 4                     | Potomac                         |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 1.81  | % Tree Cover in ARA of Upstream Network         | 80.21 |
| % Natural Cover in Upstream Drainage Area         | 68.93 | % Tree Cover in ARA of Downstream Network       | 50.17 |
| % Forested in Upstream Drainage Area              | 64.95 | % Herbaceous Cover in ARA of Upstream Network   | 0.61  |
| % Agriculture in Upstream Drainage Area           | 12.38 | % Herbaceous Cover in ARA of Downstream Network | 39.72 |
| % Natural Cover in ARA of Upstream Network        | 100   | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 43.71 | % Barren Cover in ARA of Downstream Network     | 0.35  |
| % Forest Cover in ARA of Upstream Network         | 77.92 | % Road Impervious in ARA of Upstream Network    | 0     |
| % Forest Cover in ARA of Downstream Network       | 30.17 | % Road Impervious in ARA of Downstream Network  | 1.96  |
| % Agricultural Cover in ARA of Upstream Network   | 0     | % Other Impervious in ARA of Upstream Network   | 0.56  |
| % Agricultural Cover in ARA of Downstream Network | 38.99 | % Other Impervious in ARA of Downstream Network | 3.66  |
| % Impervious Surf in ARA of Upstream Network      | 0     |   |       |
| % Impervious Surf in ARA of Downstream Network    | 3.98  |   |       |

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: **MD\_MD00270** **Cohen Pond**

### Network, System Type and Condition

|  |  |                                |   |
|--|--|--------------------------------|---|
| Functional Upstream Network (mi)                                   | 0.08                                   | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 2912.49                                | # Downstream Natural Barriers  | 1 |
| Absolute Gain (mi)   | 0.08                                   | # Downstream Hydropower Dams   | 0 |
| # Size Classes in Total Network                                    | 7                                      | # Downstream Dams with Passage | 1 |
| # Upstream Network Size Classes                                    | 0                                      | # of Downstream Barriers       | 2 |
| NFHAP Cumulative Disturbance Index                                 | Not Scored / Unavailable at this scale |                                |   |
| Dam is on Conserved Land   | No                                     |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 0                                      |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 19.33                                  |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0                                      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 1.35                                   |                                |   |
| 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                                 | 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) | Yes |
| Native Fish Species Richness (HUC8)              | 36  |
| # Rare Fish (HUC8)                               | 0   |
| # Rare Mussel (HUC8)                             | 3   |
| # Rare Crayfish (HUC8)                           | 0   |

### Stream Health

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

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)