# Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_CI001** **RT 50 DAM** **Big Millpond**

| | |
|---|---|
| Diadromous Tier | 4 |
| Brook Trout Tier | N/A |
| Resident Tier | 10 |
| NID ID | |
| State ID | CI001 |
| River Name | Chicamacomico River |
| Dam Height (ft) | 3 |
| Dam Type | Unspecified Type |
| Latitude | 38.5117 |
| Longitude | -75.8795 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1b: Creek (3.861 - 38.61 sq mi) |
| HUC 12 | Chicamacomico River |
| HUC 10 | Transquaking River |
| HUC 8 | Tangier |
| HUC 6 | Lower Chesapeake |
| HUC 4 | Lower Chesapeake |


## Landcover

| NLCD (2011) | |
|---|---|
| % Impervious Surface in Upstream Drainage Area | 0.6 |
| % Natural Cover in Upstream Drainage Area | 44.04 |
| % Forested in Upstream Drainage Area | 15.04 |
| % Agriculture in Upstream Drainage Area | 51.72 |
| % Natural Cover in ARA of Upstream Network | 50.5 |
| % Natural Cover in ARA of Downstream Network | 66.23 |
| % Forest Cover in ARA of Upstream Network | 16.52 |
| % Forest Cover in ARA of Downstream Network | 6.88 |
| % Agricultral Cover in ARA of Upstream Network | 46.15 |
| % Agricultral Cover in ARA of Downstream Network | 30.74 |
| % Impervious Surf in ARA of Upstream Network | 0.42 |
| % Impervious Surf in ARA of Downstream Network | 0.43 |

| Chesapeake Conservancy (2016) | |
|---|---|
| % Tree Cover in ARA of Upstream Network | 50 |
| % Tree Cover in ARA of Downstream Network | 40.03 |
| % Herbaceaous Cover in ARA of Upstream Network | 48.5 |
| % Herbaceaous Cover in ARA of Downstream Network | 51.61 |
| % Barren Cover in ARA of Upstream Network | 0.02 |
| % Barren Cover in ARA of Downstream Network | 0.01 |
| % Road Impervious in ARA of Upstream Network | 0.65 |
| % Road Impervious in ARA of Downstream Network | 0.48 |
| % Other Impervious in ARA of Upstream Network | 0.77 |
| % Other Impervious in ARA of Downstream Network | 0.5 |

Metric descriptions can be found at:
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) | 24.23 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 191.17 | # Downsteam Natural Barriers | 0 |
| Absolute Gain (mi) | 24.23 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 3 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 2 | # of Downstream Barriers | 0 |

| | |
|---|---|
| NFHAP Cumulative Disturbance Index | Moderate |
| Dam is on Conserved Land | No |
| % Conserved Land in 100m Buffer of Upstream Network | 9.36 |
| % Conserved Land in 100m Buffer of Downstream Network | 41.13 |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0.55 |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0.25 |
| 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 | No |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No |
| Native Fish Species Richness (HUC8) | 31 |
| # Rare Fish (HUC8) | 1 |
| # Rare Mussel (HUC8) | 0 |
| # Rare Crayfish (HUC8) | 0 |

## Stream Health

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

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