

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PXL11**

| | |
|--------------------|---------------------------------|
| Diadromous Tier | 19 |
| Brook Trout Tier | N/A |
| Resident Tier | 19 |
| NID ID | |
| State ID | PXL11 |
| River Name | Mill Creek |
| Dam Height (ft) | 5 |
| Dam Type | Unspecified Type |
| Latitude | 38.3802 |
| Longitude | -76.4236 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12 | Mill Creek-Patuxent River |
| HUC 10 | Lower Patuxent River |
| HUC 8 | Patuxent |
| HUC 6 | Upper Chesapeake |
| HUC 4 | Upper Chesapeake |



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area | 3.89 | % Tree Cover in ARA of Upstream Network | 41.22 |
| % Natural Cover in Upstream Drainage Area | 13.86 | % Tree Cover in ARA of Downstream Network | 51.71 |
| % Forested in Upstream Drainage Area | 9.24 | % Herbaceous Cover in ARA of Upstream Network | 46.56 |
| % Agriculture in Upstream Drainage Area | 1.48 | % Herbaceous Cover in ARA of Downstream Network | 33.11 |
| % Natural Cover in ARA of Upstream Network | 12.9 | % Barren Cover in ARA of Upstream Network | 0.26 |
| % Natural Cover in ARA of Downstream Network | 50 | % Barren Cover in ARA of Downstream Network | 0.13 |
| % Forest Cover in ARA of Upstream Network | 12.9 | % Road Impervious in ARA of Upstream Network | 3.43 |
| % Forest Cover in ARA of Downstream Network | 38.55 | % Road Impervious in ARA of Downstream Network | 1.56 |
| % Agricultural Cover in ARA of Upstream Network | 0 | % Other Impervious in ARA of Upstream Network | 7.13 |
| % Agricultural Cover in ARA of Downstream Network | 0 | % Other Impervious in ARA of Downstream Network | 7.25 |
| % Impervious Surf in ARA of Upstream Network | 2.7 | | |
| % Impervious Surf in ARA of Downstream Network | 2.35 | | |

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) | 0.1 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 0.32 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 0.1 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 0 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 0 | # of Downstream Barriers | 2 |
| 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 | 0 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0 | | |
| 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 | None Documented | Downstream Striped Bass | None Documented |
| Downstream Blueback | None Documented | Downstream Atlantic Sturgeon | None Documented |
| Downstream American Shad | None Documented | Downstream Shortnose Sturgeon | None Documented |
| Downstream Hickory Shad | None Documented | Downstream American Eel | None Documented |
| Presence of 1 or More Downstream Anadromous Species | None Docume | | |
| # Diadromous Species Downstream (incl eel) | 0 | | |

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) | 30 |
| # Rare Fish (HUC8) | 1 |
| # Rare Mussel (HUC8) | 0 |
| # Rare Crayfish (HUC8) | 0 |

Stream Health

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

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