

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_CH135**

| | |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier | 10 |
| Bay-wide Resident Tier | 13 |
| Bay-wide Brook Trout Tier | N/A |
| NID ID | |
| State ID | CH135 |
| River Name | West Fork Langford Creek |
| Dam Height (ft) | 18 |
| Dam Type | Unspecified Type |
| Latitude | 39.193 |
| Longitude | -76.1737 |
| Passage Facilities | None Documented |
| Passage Year | N/A |
| Size Class | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12 | Langford Creek |
| HUC 10 | Chester River |
| HUC 8 | Chester-Sassafras |
| HUC 6 | Upper Chesapeake |
| HUC 4 | Upper Chesapeake |



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area | 0.19 | % Tree Cover in ARA of Upstream Network | 52.31 |
| % Natural Cover in Upstream Drainage Area | 26.41 | % Tree Cover in ARA of Downstream Network | 48.83 |
| % Forested in Upstream Drainage Area | 17.78 | % Herbaceous Cover in ARA of Upstream Network | 45.61 |
| % Agriculture in Upstream Drainage Area | 71.4 | % Herbaceous Cover in ARA of Downstream Network | 25.84 |
| % Natural Cover in ARA of Upstream Network | 54.09 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 70.65 | % Barren Cover in ARA of Downstream Network | 0 |
| % Forest Cover in ARA of Upstream Network | 27.2 | % Road Impervious in ARA of Upstream Network | 0.67 |
| % Forest Cover in ARA of Downstream Network | 28.8 | % Road Impervious in ARA of Downstream Network | 0 |
| % Agricultural Cover in ARA of Upstream Network | 43.32 | % Other Impervious in ARA of Upstream Network | 0.3 |
| % Agricultural Cover in ARA of Downstream Network | 29.35 | % Other Impervious in ARA of Downstream Network | 0.61 |
| % Impervious Surf in ARA of Upstream Network | 0.42 | | |
| % Impervious Surf in ARA of Downstream Network | 0 | | |

Metric descriptions can be found at:

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_CH135**

| Network, System Type and Condition | | | |
|---|-----------------|--|-----------------|
| Functional Upstream Network (mi) | 3.58 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 4.17 | # Downsteam Natural Barriers | 0 |
| Absolute Gain (mi) | 0.59 | # Downstream Hydropower Dams | 0 |
| # Size Classes in Total Network | 1 | # Downstream Dams with Passage | 0 |
| # Upstream Network Size Classes | 1 | # of Downstream Barriers | 1 |
| NFHAP Cumulative Disturbance Index | | Not Scored / Unavailable at this scale | |
| Dam is on Conserved Land | | Yes | |
| % Conserved Land in 100m Buffer of Upstream Network | | 43.9 | |
| % Conserved Land in 100m Buffer of Downstream Network | | 100 | |
| Density of Crossings in Upstream Network Watershed (#/m2) | | 0.4 | |
| 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 | 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 | FAIR |
| 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) | 48 | VA INSTAR mIBI Stream Health | N/A |
| # Rare Fish (HUC8) | 1 | 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 | No |
| 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