



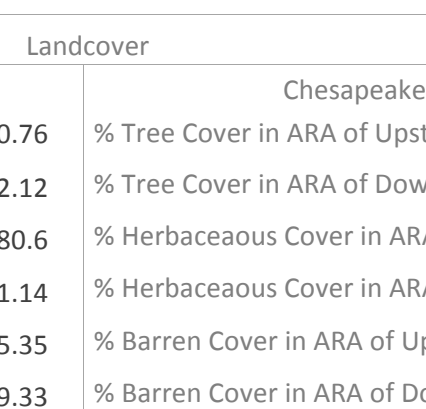
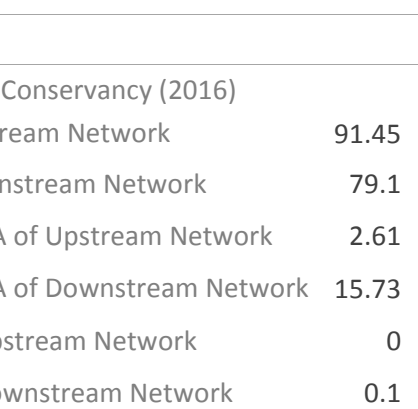
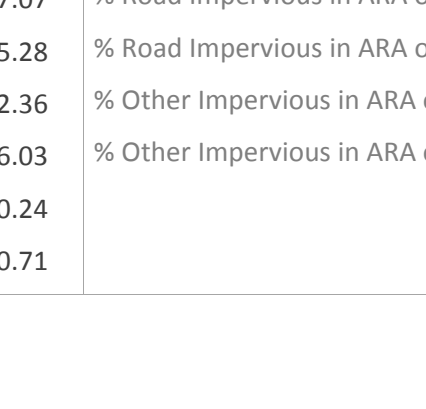
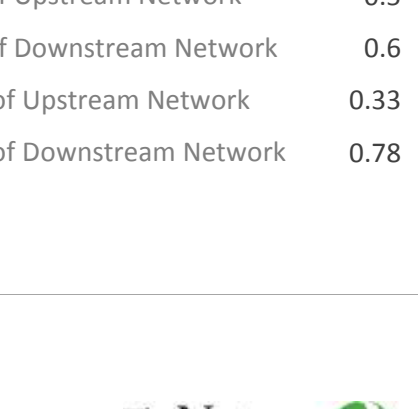
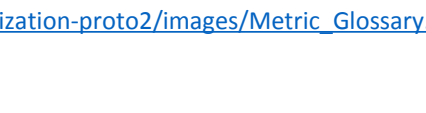



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

| CFPPP Unique ID: VA_426 | | ROCKFISH RIVER DAM | Walker Mill Dam |
|--------------------------------|-----------------------------------|--|---|
| Bay-wide Diadromous Tier | 1 |  |  |
| Bay-wide Resident Tier | 1 | | |
| Bay-wide Brook Trout Tier | N/A | | |
| NID ID | VA12510 | | |
| State ID | 426 |  |  |
| River Name | Rockfish River | | |
| Dam Height (ft) | 32 | | |
| Dam Type | Gravity | | |
| Latitude | 37.7874 |  |  |
| Longitude | -78.6999 | | |
| Passage Facilities | None Documented | | |
| Passage Year | N/A | | |
| Size Class | 2: Small River (38.61 - 200 sq mi |  |  |
| HUC 12 | Dutch Creek-Rockfish River | | |
| HUC 10 | Lower Rockfish River | | |
| HUC 8 | Middle James-Buffalo | | |
| HUC 6 | James |  |  |
| HUC 4 | Lower Chesapeake | | |

| Landcover | | | |
|---|-------|---|-------|
| NLCD (2011) | | Chesapeake Conservancy (2016) | |
| % Impervious Surface in Upstream Drainage Area | 0.76 | % Tree Cover in ARA of Upstream Network | 91.45 |
| % Natural Cover in Upstream Drainage Area | 82.12 | % Tree Cover in ARA of Downstream Network | 79.1 |
| % Forested in Upstream Drainage Area | 80.6 | % Herbaceous Cover in ARA of Upstream Network | 2.61 |
| % Agriculture in Upstream Drainage Area | 11.14 | % Herbaceous Cover in ARA of Downstream Network | 15.73 |
| % Natural Cover in ARA of Upstream Network | 95.35 | % Barren Cover in ARA of Upstream Network | 0 |
| % Natural Cover in ARA of Downstream Network | 79.33 | % Barren Cover in ARA of Downstream Network | 0.1 |
| % Forest Cover in ARA of Upstream Network | 87.07 | % Road Impervious in ARA of Upstream Network | 0.5 |
| % Forest Cover in ARA of Downstream Network | 65.28 | % Road Impervious in ARA of Downstream Network | 0.6 |
| % Agricultural Cover in ARA of Upstream Network | 2.36 | % Other Impervious in ARA of Upstream Network | 0.33 |
| % Agricultural Cover in ARA of Downstream Network | 16.03 | % Other Impervious in ARA of Downstream Network | 0.78 |
| % Impervious Surf in ARA of Upstream Network | 0.24 | | |
| % Impervious Surf in ARA of Downstream Network | 0.71 | | |

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: VA_426 | | ROCKFISH RIVER DAM | | Walker Mill Dam | |
|---|-------------------|--|---------------|------------------------|--|
| Network, System Type and Condition | | | | | |
| Functional Upstream Network (mi) | 9.22 | Upstream Size Class Gain (#) | | 0 | |
| Total Functional Network (mi) | 5440.24 | # Downsteam Natural Barriers | | 0 | |
| Absolute Gain (mi) | 9.22 | # Downstream Hydropower Dams | | 2 | |
| # Size Classes in Total Network | 6 | # Downstream Dams with Passage | | 4 | |
| # Upstream Network Size Classes | 2 | # of Downstream Barriers | | 4 | |
| NFHAP Cumulative Disturbance Index | | Moderate | | | |
| Dam is on Conserved Land | | No | | | |
| % Conserved Land in 100m Buffer of Upstream Network | | 18.26 | | | |
| % Conserved Land in 100m Buffer of Downstream Network | | 11.23 | | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | | 0.87 | | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | | 0.84 | | | |
| 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 | Potential Current | Downstream Striped Bass | | None Documented | |
| Downstream Blueback | Potential Current | Downstream Atlantic Sturgeon | | None Documented | |
| Downstream American Shad | Current | Downstream Shortnose Sturgeon | | None Documented | |
| Downstream Hickory Shad | None Documented | Downstream American Eel | | Current | |
| One or More DS Anadromous Species | Current | # Diadromous Sp Dnstrm (incl eel) | | 2 | |
| 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 | | N/A | |
| Barrier Blocks an EBTJV Catchment | Yes | MD MBSS Fish IBI Stream Health | | N/A | |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No | MD MBSS Combined IBI Stream Health | | N/A | |
| Native Fish Species Richness (HUC8) | 50 | VA INSTAR mIBI Stream Health | | High | |
| # Rare Fish (HUC8) | 0 | PA IBI Stream Health | | N/A | |
| # Rare Mussel (HUC8) | 4 | | | | |
| # 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 | Yes | Rare fish or mussel in upstream or downstream functional network | | Yes | |

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf