

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_31-026**

GREENWOOD FURNACE

Bay-wide Diadromous Tier 11
 Bay-wide Resident Tier 8
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID 31-026
 River Name East Branch Standing Stone Cree
 Dam Height (ft) 12
 Dam Type Earth
 Latitude 40.6504
 Longitude -77.7578
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1b: Creek (3.861 - 38.61 sq mi)
 HUC 12 East Branch Standing Stone Cree
 HUC 10 Standing Stone Creek
 HUC 8 Upper Juniata
 HUC 6 Lower Susquehanna
 HUC 4 Susquehanna



Landcover

| NLCD (2011) | | Chesapeake Conservancy (2016) | |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area | 0.21 | % Tree Cover in ARA of Upstream Network | 92.98 |
| % Natural Cover in Upstream Drainage Area | 94.36 | % Tree Cover in ARA of Downstream Network | 78.79 |
| % Forested in Upstream Drainage Area | 94.09 | % Herbaceous Cover in ARA of Upstream Network | 5.33 |
| % Agriculture in Upstream Drainage Area | 0.58 | % Herbaceous Cover in ARA of Downstream Network | 18.61 |
| % Natural Cover in ARA of Upstream Network | 83.73 | % Barren Cover in ARA of Upstream Network | 0.01 |
| % Natural Cover in ARA of Downstream Network | 78.86 | % Barren Cover in ARA of Downstream Network | 0.11 |
| % Forest Cover in ARA of Upstream Network | 83.59 | % Road Impervious in ARA of Upstream Network | 0.85 |
| % Forest Cover in ARA of Downstream Network | 77.42 | % Road Impervious in ARA of Downstream Network | 0.64 |
| % Agricultural Cover in ARA of Upstream Network | 2.18 | % Other Impervious in ARA of Upstream Network | 0.79 |
| % Agricultural Cover in ARA of Downstream Network | 12.66 | % Other Impervious in ARA of Downstream Network | 0.63 |
| % Impervious Surf in ARA of Upstream Network | 0.6 | | |
| % Impervious Surf in ARA of Downstream Network | 0.6 | | |

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: **PA_31-026**

GREENWOOD FURNACE

Network, System Type and Condition

| | | | |
|--|--------|--------------------------------|---|
| Functional Upstream Network (mi) | 7.17 | Upstream Size Class Gain (#) | 0 |
| Total Functional Network (mi) | 204.94 | # Downstream Natural Barriers | 0 |
| Absolute Gain (mi) | 7.17 | # Downstream Hydropower Dams | 4 |
| # Size Classes in Total Network | 3 | # Downstream Dams with Passage | 6 |
| # Upstream Network Size Classes | 2 | # of Downstream Barriers | 7 |
| NFHAP Cumulative Disturbance Index | Low | | |
| Dam is on Conserved Land | Yes | | |
| % Conserved Land in 100m Buffer of Upstream Network | 100 | | |
| % Conserved Land in 100m Buffer of Downstream Network | 22.87 | | |
| Density of Crossings in Upstream Network Watershed (#/m2) | 0.19 | | |
| Density of Crossings in Downstream Network Watershed (#/m2) | 0.88 | | |
| 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 | Current |
| Presence of 1 or More Downstream Anadromous Species | None Documented | | |
| # 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 | No |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | Yes |
| Native Fish Species Richness (HUC8) | 30 |
| # Rare Fish (HUC8) | 0 |
| # Rare Mussel (HUC8) | 0 |
| # Rare Crayfish (HUC8) | 0 |

Stream Health

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

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf