Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_452 **WOODBERRY DAM** Diadromous Tier 5 Brook Trout Tier N/A

1

Resident Tier NID ID VA14507

452 State ID

Norwood Creek River Name

19 Dam Height (ft)

Dam Type Earth

Latitude 37.5874 Longitude -77.7774

Passage Facilities None Documented

N/A Passage Year

Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Norwood Creek

HUC 10 Tuckahoe Creek-James River

Middle James-Willis HUC8

HUC 6 James

HUC 4 Lower Chesapeake







| Landcover | | | | | | | | |
|--|-------|--|-------|--|--|--|--|--|
| NLCD (2011) | | Chesapeake Conservancy (2016) | | | | | | |
| % Impervious Surface in Upstream Drainage Area | 0.38 | % Tree Cover in ARA of Upstream Network | 91.89 | | | | | |
| % Natural Cover in Upstream Drainage Area | 84.79 | % Tree Cover in ARA of Downstream Network | 79.1 | | | | | |
| % Forested in Upstream Drainage Area | 72.64 | % Herbaceaous Cover in ARA of Upstream Network | 4.32 | | | | | |
| % Agriculture in Upstream Drainage Area | 11.33 | % Herbaceaous Cover in ARA of Downstream Network | 15.73 | | | | | |
| % Natural Cover in ARA of Upstream Network | 96.44 | % 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 | 70.35 | % Road Impervious in ARA of Upstream Network | 0.6 | | | | | |
| % Forest Cover in ARA of Downstream Network | 65.28 | % Road Impervious in ARA of Downstream Network | 0.6 | | | | | |
| % Agricultral Cover in ARA of Upstream Network | 2.5 | % Other Impervious in ARA of Upstream Network | 0.89 | | | | | |
| % Agricultral Cover in ARA of Downstream Network | 16.03 | % Other Impervious in ARA of Downstream Network | 0.78 | | | | | |
| % Impervious Surf in ARA of Upstream Network | 0.11 | | | | | | | |
| % Impervious Surf in ARA of Downstream Network | 0.71 | | | | | | | |



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_452 WOODBERRY DAM

| CFPPP Unique ID: VA_452 | WOODBERRY DA | AIVI | | | | | |
|---|--------------------------------------|--------|--|---|---------------|----------|--|
| | Network, Sy | /stem | Type and Cond | dition | | | |
| Functional Upstream Network (mi) 23.58 | | | Upstream Size Class Gain (#) | | | 0 | |
| Total Functional Network (mi) 5454.6 | | | # Downsteam Natural Barriers | | | 0 | |
| bsolute Gain (mi) 23.58 | | | # Downstream Hydropower Dams | | | 2 | |
| Size Classes in Total Network 6 | | | # Dow | # Downstream Dams with Passage | | 4 | |
| # Upstream Network Size Classes 2 | | | # of Do | # of Downstream Barriers | | | |
| NFHAP Cumulative Disturband | e Index | | | Not Scored / Unav | ailable at th | is scale | |
| Dam is on Conserved Land | | | | No | | | |
| % Conserved Land in 100m Buffer of Upstream Network | | | | 0 | | | |
| % Conserved Land in 100m Bu | ffer of Downstream Net | twork | | 11.23 | | | |
| Density of Crossings in Upstream Network Watershed (#/m | | | 12) | 0.29 | | | |
| Density of Crossings in Downstream Network Watershed (# | | | | 0.84 | | | |
| Density of off-channel dams in Upstream Network Watersh | | | ned (#/m2) | 0.04 | | | |
| Density of off-channel dams ir | n Downstream Network | Wate | ershed (#/m2) | 0 | | | |
| | | Diadro | omous Fish | | | | |
| Downstream Alewife | Potential Current | | Downstream | Downstream Striped Bass None Doc | | | |
| Downstream Blueback | ownstream Blueback Potential Current | | Downstream Atlantic Sturgeon None Docu | | | umented | |
| Downstream American Shad | None Documented | | Downstream | Shortnose Sturgeon | None Doc | umented | |
| Downstream Hickory Shad | None Documented | | Downstream | American Eel | Current | | |
| Presence of 1 or More Downs | tream Anadromous Spe | cies | Potential Curr | re | | | |
| # Diadromous Species Downs | tream (incl eel) | | 1 | | | | |
| Resident Fish | | | | Stream Health | | | |
| Barrier is in EBTJV BKT Catchment No | | No | Chesape | Chesapeake Bay Program Stream Health POOR | | | |
| Barrier is in Modeled BKT Catchment (DeWeber) N | | No | MD MB | MD MBSS Benthic IBI Stream Health | | N/A | |
| Barrier Blocks an EBTJV Catchment Ye | | Yes | MD MB | MD MBSS Fish IBI Stream Health | | N/A | |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) No | | No | MD MB | MD MBSS Combined IBI Stream Health | | | |
| Native Fish Species Richness (HUC8) 51 | | 51 | VA INST | VA INSTAR mIBI Stream Health | | Moderate | |
| # Rare Fish (HUC8) 0 | | 0 | PA IBI S | PA IBI Stream Health | | N/A | |
| # Rare Mussel (HUC8) | | 3 | | | | | |
| # Rare Crayfish (HUC8) 0 | | 0 | | | | | |
| | | _ | | | | | |

