Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1133 DEER DAM

Diadromous Tier 20

Brook Trout Tier N/A

Resident Tier 19

NID ID VA18704

State ID 1133

River Name

Dam Height (ft) 38

Dam Type Gravity
Latitude 38.9621

Longitude -78.0424

Passage Facilities None Documented

Passage Year N/A

Size Class 1a: Headwater (0 - 3.861 sq mi)

HUC 12 Borden Marsh Run-Shenandoah

HUC 10 Crooked Run-Shenandoah River

HUC 8 Shenandoah

HUC 6 Potomac

HUC 4 Potomac







| Landcover | | | | | | |
|--|-------|--|-------|-----|--|--|
| NLCD (2011) | | Chesapeake Conservancy (2016) | | | | |
| % Impervious Surface in Upstream Drainage Area | 0.7 | % Tree Cover in ARA of Upstream Network | 0 | | | |
| % Natural Cover in Upstream Drainage Area | 73.74 | % Tree Cover in ARA of Downstream Network | 46.26 | | | |
| % Forested in Upstream Drainage Area | 72.52 | % Herbaceaous Cover in ARA of Upstream Network | 0 | | | |
| % Agriculture in Upstream Drainage Area | 0 | % Herbaceaous Cover in ARA of Downstream Network | 44.07 | | | |
| % Natural Cover in ARA of Upstream Network | 0 | % Barren Cover in ARA of Upstream Network | 0 | | | |
| % Natural Cover in ARA of Downstream Network | 43.22 | % Barren Cover in ARA of Downstream Network | 0.12 | | | |
| % Forest Cover in ARA of Upstream Network | 0 | % Road Impervious in ARA of Upstream Network | 0 | | | |
| % Forest Cover in ARA of Downstream Network | 33.46 | % Road Impervious in ARA of Downstream Network | 1.59 | | | |
| % Agricultral Cover in ARA of Upstream Network | 0 | % Other Impervious in ARA of Upstream Network | 0 | | | |
| % Agricultral Cover in ARA of Downstream Network | 46.14 | % Other Impervious in ARA of Downstream Network | 1.8 | | | |
| % Impervious Surf in ARA of Upstream Network | 0 | | | | | |
| % Impervious Surf in ARA of Downstream Network | 1.43 | | | | | |
| | | | | - 1 | | |



Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1133 DEER DAM

| Total Functional Network (mi) 443.03 # Downsteam Natural Barriers Absolute Gain (mi) 0.19 # Downstream Hydropower Dams # Size Classes in Total Network 3 # Downstream Barriers # Upstream Network Size Classes 0 # of Downstream Barriers # Upstream Network Size Classes 0 # of Downstream Barriers NFHAP Cumulative Disturbance Index High Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 22.06 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Upstream Network Watershed (#/m2) 1.25 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 Docume Downstream American Shad None Documented Downstream Atlantic Sturgeon None Docume Downstream Hickory Shad None Documented Downstream American Eel Current Presence of 1 or More Downstream Anadromous Species None Docume # Diadromous Species Downstream (incl eel) 1 Resident Fish Barrier is in EBTJV BKT Catchment (nicl eel) 1 Resident Fish Stream Health No Barrier Blocks an EBTJV Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health No Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Fish IBI Stream Health No Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health No Native Fish Species Richness (HUC8) 0 PA IBI Stream Health No Native Fish Species Richness (HUC8) 0 PA IBI Stream Health No Harrier Blocks A Moseled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health No Native Fish Species Richness (HUC8) 0 PA IBI Stream Health No Harrier Blocks A Moseled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health No Native Fish Species Richness (HUC8) 0 PA IBI Stream Health No Native Fish Species Richness (HUC8) 0 PA IBI Stream Health No Native Fish Species Richness (HUC8) 0 PA IBI Stream Health No | CIFFF Offique ID. VA_1133 DEER DAIVI | | | | | | |
|--|--|-------------|--|------------------------------|------------|----------|--|
| Total Functional Network (mi) 443.03 # Downsteam Natural Barriers Absolute Gain (mi) 0.19 # Downstream Hydropower Dams # Size Classes in Total Network 3 # Downstream Barriers # Upstream Network Size Classes 0 # of Downstream Barriers NFHAP Cumulative Disturbance Index High Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 22.06 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Upstream Network Watershed (#/m2) 1.25 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream 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 Docume Downstream American Shad None Documented Downstream Atlantic Sturgeon None Docume Downstream Hickory Shad None Documented Downstream American Eel Current Presence of 1 or More Downstream Anadromous Species None Docume # Diadromous Species Downstream Anadromous Species None Docume # Diadromous Species Downstream (incl eel) 1 Resident Fish Barrier is in EBTJV BKT Catchment No Barrier is in Modeled BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/ Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/ Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health N/ Native Fish Species Richness (HUC8) 0 PA IBI Stream Health N/ MT MSTAR mIBI Stream Health N/ MT MSTAR mIB | Network, S | ystem | Type and Co | ondition | | | |
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| # Size Classes in Total Network 3 # Downstream Dams with Passage # Upstream Network Size Classes 0 # of Downstream Barriers # High | otal Functional Network (mi) 443.03 | | | | | 1 | |
| # Upstream Network Size Classes 0 # of Downstream Barriers NFHAP Cumulative Disturbance Index High Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 22.06 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 1.25 Density of Off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream 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 Docume Downstream Blueback None Documented Downstream Atlantic Sturgeon None Docume Downstream Hickory Shad None Documented Downstream American Eel Current Presence of 1 or More Downstream Anadromous Species None Docume # Diadromous Species Downstream (incl eel) 1 Resident Fish Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/ Barrier Blocks an EBTJV Catchment (DeWeber) Yes MD MBSS Fish IBI Stream Health N/ Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health N/ Native Fish Species Richness (HUC8) 36 VA INSTAR mIBI Stream Health Highting Rare Fish (HUC8) 0 PA IBI Stream Health N/ # Rare Fish (HUC8) 0 PA IBI Stream Health N/ # Rare Fish (HUC8) 0 PA IBI Stream Health N/ # Rare Mussel (HUC8) 0 | absolute Gain (mi) 0.19 | | | | | 1 | |
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| Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes Notive Fish Species Richness (HUC8) # Rare Fish (HUC8) MD MBSS Combined IBI Stream Health VA INSTAR mIBI Stream Health N/ PA IBI Stream Health N/ # Rare Mussel (HUC8) | Barrier is in Modeled BKT Catchment (DeWeber) | No | MDN | | | | |
| Native Fish Species Richness (HUC8) # Rare Fish (HUC8) # Rare Mussel (HUC8) 36 VA INSTAR miBi Stream Health N/ PA IBI Stream Health N/ | Barrier Blocks an EBTJV Catchment | Yes | MDN | | | | |
| # Rare Fish (HUC8) # Rare Mussel (HUC8) 0 PA IBI Stream Health N/ | Barrier Blocks a Modeled BKT Catchment (DeWeber) |) Yes | MD MBSS Combined IBI Stream Health | | eam Health | N/A | |
| # Rare Mussel (HUC8) 0 | Native Fish Species Richness (HUC8) | 36 | VAIN | VA INSTAR mIBI Stream Health | | High | |
| | Rare Fish (HUC8) | 0 | PA IB | l Stream Health | | N/A | |
| # Rare Cravfish (HUC8) | Rare Mussel (HUC8) | 0 | | | | | |
| # Nate Gray is in (11000) | ‡ Rare Crayfish (HUC8) | 0 | | | | | |

