Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_728 STATE PRISON CAMP #12 DAM

Diadromous Tier 11

Brook Trout Tier N/A

Resident Tier 16

NID ID VA06514

State ID 728

River Name

Dam Height (ft) 17

Dam Type Earth

Latitude 37.981

Longitude -78.2668

Passage Facilities None Documented

Passage Year N/A

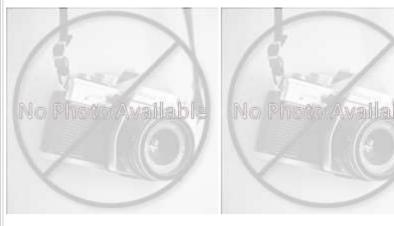
Size Class 1a: Headwater (0 - 3.861 sq mi)

HUC 12 Mechunk Creek

HUC 10 Mechunk Creek-Rivanna River

HUC 8 Rivanna
HUC 6 James

HUC 4 Lower Chesapeake







| Landcover | | | | | | | |
|--|-------|--|-------|--|--|--|--|
| NLCD (2011) | | Chesapeake Conservancy (2016) | | | | | |
| % Impervious Surface in Upstream Drainage Area | 6.13 | % Tree Cover in ARA of Upstream Network | 0 | | | | |
| % Natural Cover in Upstream Drainage Area | 41 | % Tree Cover in ARA of Downstream Network | 79.1 | | | | |
| % Forested in Upstream Drainage Area | 31.67 | % Herbaceaous Cover in ARA of Upstream Network | 0 | | | | |
| % Agriculture in Upstream Drainage Area | 37.47 | % Herbaceaous Cover in ARA of Downstream Network | 15.73 | | | | |
| % Natural Cover in ARA of Upstream Network | 0 | % 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 | 0 | % Road Impervious in ARA of Upstream Network | 0 | | | | |
| % 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 | 0 | % Other Impervious in ARA of Upstream Network | 0 | | | | |
| % 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 | | | | | | |
| % Impervious Surf in ARA of Downstream Network | 0.71 | | | | | | |



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| | Network, Sys | stem Ty | pe and Cond | ition | | |
|---|--------------------------|---------|--------------------------------|---|----------|---------|
| Functional Upstream Network (mi) 0.28 | | | Upstream Size Class Gain (#) | | | 0 |
| Total Functional Network (mi) 5431.3 | | | # Downsteam Natural Barriers | | | 0 |
| Absolute Gain (mi) 0.28 | | | # Downstream Hydropower Dams | | | 2 |
| # Size Classes in Total Network 6 | | | # Downstream Dams with Passage | | | 4 |
| # Upstream Network Size Classes 0 | | | # of Downstream Barriers | | | 4 |
| NFHAP Cumulative Disturband | ce Index | | | Very High | | |
| Dam is on Conserved Land | | | | No | | |
| % Conserved Land in 100m Buffer of Upstream Network | | | | 0 | | |
| % Conserved Land in 100m Bu | iffer of Downstream Netv | work | | 11.23 | | |
| Density of Crossings in Upstream Network Watershed (#/m | | | | 5.54 | | |
| Density of Crossings in Downs | | - | • | 0.84 | | |
| Density of off-channel dams in | · | | | 0 | | |
| Density of off-channel dams in | n Downstream Network \ | Watersh | ed (#/m2) | 0 | | |
| | | | | | | |
| | | iadromo | | | | |
| Downstream Alewife | Potential Current | | | Striped Bass None Do | | |
| Downstream Blueback | Potential Current | Do | ownstream A | Atlantic Sturgeon | None Doc | umented |
| Downstream American Shad | None Documented | Do | ownstream S | Shortnose Sturgeon | None Doc | umented |
| Downstream Hickory Shad | None Documented | Do | ownstream A | American Eel | Current | |
| Presence of 1 or More Downs | stream Anadromous Spec | cies Po | otential Curr | е | | |
| # Diadromous Species Downs | tream (incl eel) | 1 | | | | |
| Reside | ent Fish | | | Strea | m Health | |
| Barrier is in EBTJV BKT Catchment No | | No | Chesape | Chesapeake Bay Program Stream Health POOR | | |
| Barrier is in Modeled BKT Catchment (DeWeber) No | | No | MD MBS | MD MBSS Benthic IBI Stream Health N/A | | |
| Barrier Blocks an EBTJV Catchment Yes | | Yes | MD MBS | MD MBSS Fish IBI Stream Health | | |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) No | | No | MD MBS | MD MBSS Combined IBI Stream Health N/A | | |
| Native Fish Species Richness (HUC8) 36 | | 36 | VA INST | VA INSTAR mIBI Stream Health | | |
| # Rare Fish (HUC8) | | 0 | PA IBI St | PA IBI Stream Health N/A | | N/A |
| # Rare Mussel (HUC8) | | 4 | | | | |
| # Rare Crayfish (HUC8) | (| 0 | | | | |
| | | | | | | |

