Chesapeake Fish Passage Prioritization - Dam Fact Sheet

Bay-wide Diadromous Tier 14
Bay-wide Resident Tier 17
Bay-wide Brook Trout Tier N/A
NID ID
State ID 924
River Name
Dam Height (ft) 23

Latitude 37.803 Longitude -78.5715

Dam Type

Passage Facilities None Documented

Earth

Passage Year N/A

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

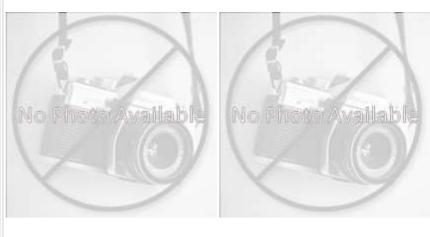
HUC 12 Totier Creek

HUC 10 Ballinger Creek-James 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	0.68	% Tree Cover in ARA of Upstream Network	14.9	
% Natural Cover in Upstream Drainage Area	29.63	% Tree Cover in ARA of Downstream Network	69.83	
% Forested in Upstream Drainage Area	20.3	% Herbaceaous Cover in ARA of Upstream Network	68.82	
% Agriculture in Upstream Drainage Area	68.86	% Herbaceaous Cover in ARA of Downstream Network	27.86	
% Natural Cover in ARA of Upstream Network	24.17	% Barren Cover in ARA of Upstream Network	0	
% Natural Cover in ARA of Downstream Network	60.75	% Barren Cover in ARA of Downstream Network	0	
% Forest Cover in ARA of Upstream Network	3.33	% Road Impervious in ARA of Upstream Network	0	
% Forest Cover in ARA of Downstream Network	56.3	% Road Impervious in ARA of Downstream Network	0.44	
% Agricultral Cover in ARA of Upstream Network	74.58	% Other Impervious in ARA of Upstream Network	1.12	
% Agricultral Cover in ARA of Downstream Network	34.83	% Other Impervious in ARA of Downstream Network	0.41	
% Impervious Surf in ARA of Upstream Network	0.44			
% Impervious Surf in ARA of Downstream Network	0.33			



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CFPPP Unique ID: VA 924 **DELUTZ DAM** Network, System Type and Condition Functional Upstream Network (mi) Upstream Size Class Gain (#) O 0.53 Total Functional Network (mi) 65.08 # Downsteam Natural Barriers 0 Absolute Gain (mi) 0.53 2 # Downstream Hydropower Dams # Size Classes in Total Network 2 # Downstream Dams with Passage # Upstream Network Size Classes # of Downstream Barriers 1 NEHAP Cumulative Disturbance Index Very High Dam is on Conserved Land Nο % Conserved Land in 100m Buffer of Upstream Network % Conserved Land in 100m Buffer of Downstream Network 21.44 Density of Crossings in Upstream Network Watershed (#/m2) 2.78 Density of Crossings in Downstream Network Watershed (#/m2) 0.78 Density of off-channel dams in Upstream Network Watershed (#/m2) Density of off-channel dams in Downstream Network Watershed (#/m2) Λ Diadromous Fish Downstream Alewife Historical **Downstream Striped Bass** None Documented Downstream Blueback Historical Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented None Documented Downstream Shortnose Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel One or More DS Anadromous Species Historical # Diadromous Sp Dnstrm (incl eel) 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 No 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 Moderate # 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 Rare fish or mussel sp in HUC12 Yes Yes



Yes

Rare fish or mussel in upstream or

downstream functional network

Globally rare or fed listed fish/mussel sp in

upstream or downstream functional network

Yes