Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA 966 **MAYS DAM** Bay-wide Diadromous Tier 11 Bay-wide Resident Tier 11 Bay-wide Brook Trout Tier N/A NID ID VA00909 State ID 966 River Name Dam Height (ft) 24 Dam Type Earth 37.667 Latitude Longitude -79.1492 Passage Facilities None Documented Passage Year N/A Size Class 1a: Headwater (0 - 3.861 sq mi)

Buffalo River

James

Middle James-Buffalo

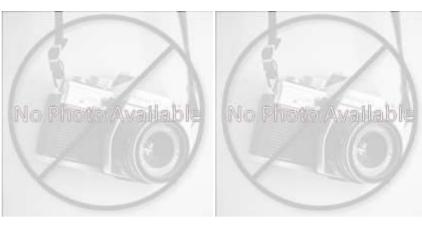
Lower Chesapeake

HUC 12 HUC 10

HUC 8 HUC₆

HUC 4

North Fork Buffalo River-Buffalo







Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.39	% Tree Cover in ARA of Upstream Network	60.05
% Natural Cover in Upstream Drainage Area	70.52	% Tree Cover in ARA of Downstream Network	78.06
% Forested in Upstream Drainage Area	60.74	% Herbaceaous Cover in ARA of Upstream Network	31.74
% Agriculture in Upstream Drainage Area	26.22	% Herbaceaous Cover in ARA of Downstream Network	20.46
% Natural Cover in ARA of Upstream Network	60.87	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	68.36	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	51.14	% Road Impervious in ARA of Upstream Network	0.73
% Forest Cover in ARA of Downstream Network	67.89	% Road Impervious in ARA of Downstream Network	0.79
% Agricultral Cover in ARA of Upstream Network	36.23	% Other Impervious in ARA of Upstream Network	2.16
% Agricultral Cover in ARA of Downstream Network	23.78	% Other Impervious in ARA of Downstream Network	0.3
% Impervious Surf in ARA of Upstream Network	0.4		
% Impervious Surf in ARA of Downstream Network	0.66		



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CFPPP Unique ID: VA 966 **MAYS DAM** Network, System Type and Condition Functional Upstream Network (mi) Upstream Size Class Gain (#) O 1.01 Total Functional Network (mi) 194.65 # Downsteam Natural Barriers 0 Absolute Gain (mi) 1.01 2 # Downstream Hydropower Dams # Size Classes in Total Network 3 # 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 10.99 Density of Crossings in Upstream Network Watershed (#/m2) 1.88 Density of Crossings in Downstream Network Watershed (#/m2) 1.31 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 Downstream Hickory Shad None Documented Downstream American Eel Current 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 Yes 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 High 0 # Rare Fish (HUC8) 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 Nο Nο Globally rare or fed listed fish/mussel sp in Rare fish or mussel in upstream or No No downstream functional network upstream or downstream functional network

