Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_878 CHELSEA DAM

Bay-wide Diadromous Tier 2
Bay-wide Resident Tier 3

Bay-wide Brook Trout Tier N/A

NID ID VA10125

State ID 878

River Name

Dam Height (ft) 12

Dam Type Gravity
Latitude 37.5991

Longitude -76.8331

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Heartquake Creek-Mattaponi Ri

HUC 10 Garnetts Creek-Mattaponi River

HUC 8 Mattaponi

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







Landcover								
NLCD (2011)		Chesapeake Conservancy (2016)						
% Impervious Surface in Upstream Drainage Area	0.08	% Tree Cover in ARA of Upstream Network	38.92					
% Natural Cover in Upstream Drainage Area	66.85	% Tree Cover in ARA of Downstream Network	81.81					
% Forested in Upstream Drainage Area	44.61	% Herbaceaous Cover in ARA of Upstream Network	51.89					
% Agriculture in Upstream Drainage Area	30.37	% Herbaceaous Cover in ARA of Downstream Network	10.66					
% Natural Cover in ARA of Upstream Network	50.12	% Barren Cover in ARA of Upstream Network	0					
% Natural Cover in ARA of Downstream Network	86.69	% Barren Cover in ARA of Downstream Network	0.32					
% Forest Cover in ARA of Upstream Network	14.8	% Road Impervious in ARA of Upstream Network	0.69					
% Forest Cover in ARA of Downstream Network	38.6	% Road Impervious in ARA of Downstream Network	0.49					
% Agricultral Cover in ARA of Upstream Network	47.02	% Other Impervious in ARA of Upstream Network	0					
% Agricultral Cover in ARA of Downstream Network	9.76	% Other Impervious in ARA of Downstream Network	0.52					
% Impervious Surf in ARA of Upstream Network	0.15							
% Impervious Surf in ARA of Downstream Network	0.44							



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Absolute Gain (mi) 1.36 # Downstream Hydropower Dams 0 # Size Classes in Total Network 4 # Downstream Dams with Passage 0 # Upstream Network Size Classes 1 # of Downstream Barriers 0 NFHAP Cumulative Disturbance Index Very High Yes % Conserved Land 100m Buffer of Upstream Network 6 2.39 % Conserved Land in 100m Buffer of Downstream Network 6 2.39 % Conserved Land in 100m Buffer of Downstream Network 6 2.39 % Conserved Land in 100m Buffer of Downstream Network 6 2.66 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 0 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 Current Downstream Allewife Current Downstream Anaerican Shad None Documented Downstream American Shad None Documented Downstream American Eel Current Presence of 1 or More Downstream Anadromous Species # Diadromous Species Downstream (incl eel) 3 Resident Fish Barrier is in EBTJV BKT Catchment No Barrier is in Modeled BKT Catchment (DeWeber) No Barrier Blocks an EBTJV Catchment No Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Fish IBI Stream Health N/A MD MBSS Combined IBI Stream Health N/A MA Native Fish Species Richness (HUC8) 4 # Rare Fish (HUC8) 4 # Rare Fish (HUC8) 4 # Rare Fish (HUC8) 4		Network, Sy	stem	Type and C	Condition			
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