Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: MD_PXL39

Bay-wide Diadromous Tier 14
Bay-wide Resident Tier 8

Bay-wide Brook Trout Tier N/A

NID ID

State ID PXL39

River Name Sewell Branch

Dam Height (ft) 15

Dam Type Unspecified Type

Latitude 38.6226

Longitude -76.5614

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Hunting Creek

HUC 10 Middle Patuxent River

HUC 8 Patuxent

HUC 6 Upper Chesapeake

HUC 4 Upper Chesapeake







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.05	% Tree Cover in ARA of Upstream Network	78.06
% Natural Cover in Upstream Drainage Area	65.02	% Tree Cover in ARA of Downstream Network	62.66
% Forested in Upstream Drainage Area	59.51	% Herbaceaous Cover in ARA of Upstream Network	12.4
% Agriculture in Upstream Drainage Area	20.06	% Herbaceaous Cover in ARA of Downstream Network	24.77
% Natural Cover in ARA of Upstream Network	93.92	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	71.7	% Barren Cover in ARA of Downstream Network	0.29
% Forest Cover in ARA of Upstream Network	85.64	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	37.4	% Road Impervious in ARA of Downstream Network	1.31
% Agricultral Cover in ARA of Upstream Network	6.08	% Other Impervious in ARA of Upstream Network	0.01
% Agricultral Cover in ARA of Downstream Network	12.43	% Other Impervious in ARA of Downstream Network	3.67
% Impervious Surf in ARA of Upstream Network	0.3		
% Impervious Surf in ARA of Downstream Network	4.02		



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Functional Upstream Network (mi) 0.32 Upstream Size Class Gain (#) Total Functional Network (mi) 1231.09 # Downsteam Natural Barriers Absolute Gain (mi) 0.32 # Downstream Hydropower Dams # Size Classes in Total Network 4 # Downstream Barriers NFHAP Cumulative Disturbance Index Moderate Dam is on Conserved Land In 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 19.68 Density of Crossings in Upstream Network Watershed (#/m2) 0.64 Density of Crossings in Downstream Network Watershed (#/m2) 0.64 Density of off-channel dams in Upstream Network Watershed (#/m2) 0.02 Diadromous Fish Downstream Alewife None Documented Downstream Striped Bass None Do Downstream Blueback None Documented Downstream Atlantic Sturgeon None Do 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 Stream Health Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health Barrier Is in Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health Barrier Fish (HUC8) 0 PA IBI Stream Health # Rare Fish (HUC8) 0 PA IBI Stream Health # Rare Fish (HUC8) 0 PA IBI Stream Health # Rare Fish (HUC8) 0 PA IBI Stream Health # Rare Fish (HUC8) 1	
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# Size Classes in Total Network 4 # Downstream Dams with Passage # Upstream Network Size Classes 0 # of Downstream Barriers NFHAP Cumulative Disturbance Index	0
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# Rare Crayfish (HUC8) 0	

