Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_54-101 NEALE**

Diadromous Tier 12

Brook Trout Tier N/A

Resident Tier 16

NID ID

State ID 54-101

River Name Deep Creek

Dam Height (ft) 9

Dam Type Concrete

Latitude 40.7184

Longitude -76.3864

Passage Facilities None Documented

Passage Year N/A

Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Hans Yost Creek-Deep Creek

HUC 10 Deep Creek

HUC 8 Lower Susquehanna-Penns

HUC 6 Lower Susquehanna

HUC 4 Susquehanna







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	1.15	% Tree Cover in ARA of Upstream Network	55.53				
% Natural Cover in Upstream Drainage Area	74.14	% Tree Cover in ARA of Downstream Network	48.36				
% Forested in Upstream Drainage Area	72.61	% Herbaceaous Cover in ARA of Upstream Network	23.73				
% Agriculture in Upstream Drainage Area	17.37	% Herbaceaous Cover in ARA of Downstream Network	47.26				
% Natural Cover in ARA of Upstream Network	65.3	% Barren Cover in ARA of Upstream Network	2.38				
% Natural Cover in ARA of Downstream Network	50.46	% Barren Cover in ARA of Downstream Network	0.88				
% Forest Cover in ARA of Upstream Network	48.86	% Road Impervious in ARA of Upstream Network	4.23				
% Forest Cover in ARA of Downstream Network	48.38	% Road Impervious in ARA of Downstream Network	0.98				
% Agricultral Cover in ARA of Upstream Network	6.85	% Other Impervious in ARA of Upstream Network	4.91				
% Agricultral Cover in ARA of Downstream Networ	k 41.41	% Other Impervious in ARA of Downstream Network	1.42				
% Impervious Surf in ARA of Upstream Network	3.63						
% Impervious Surf in ARA of Downstream Network	1.05						



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Total Functional Network (mi) Absolute Gain (mi) O.34 # Downstream Hydropower Dams \$ # Size Classes in Total Network # Upstream Network Size Classes # Moderate No							
# Downstream Natural Barriers 0 Absolute Gain (mi) 0.34 # Downstream Hydropower Dams 5 # Size Classes in Total Network 3 # Downstream Dams with Passage 5 # Upstream Network Size Classes 0 # of Downstream Barriers 6 NFHAP Cumulative Disturbance Index Moderate Dam is on Conserved Land No # Conserved Land in 100m Buffer of Upstream Network 0 # Conserved Land in 100m Buffer of Downstream Network 0.35 Density of Crossings in Upstream Network Watershed (#/m2) 1.16 Density of Crossings in Upstream Network Watershed (#/m2) 0.84 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Diadromous Fish Downstream Alewife Historical Downstream Striped Bass None Documented Downstream American Shad None Documented Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented Downstream American Eel Current Presence of 1 or More Downstream Anadromous Species Historical # Diadromous Species Downstream (incl eel) 1 Resident Fish Stream Health N/A Barrier Is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes MD MBSS Combined IBI Stream Health N/A Native Fish Species Richness (HUC8) 3 VA INSTAR mIBI Stream Health N/A # Rare Fish (HUC8) 0 PA IBI Stream Health N/A # Rare Fish (HUC8) 7 # Rare Mussel (HUC8) 7 # Rare Fish (HUC8) 7 # Rare Fi		Network, Sy	ystem	Type and Conditio	n		
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