





Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_645		J. E. TAYLOR DAM	Northrup Dam	
Diadromous Tier	9	 	 	
Brook Trout Tier	N/A			
Resident Tier	9			
NID ID	VA13706			
State ID	645			
River Name				
Dam Height (ft)	30.8			
Dam Type	Gravity			
Latitude	38.2288			
Longitude	-78.0864			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1a: Headwater (0 - 3.861 sq mi)			
HUC 12	Clear Creek-Pamunkey Creek			
HUC 10	Pamunkey Creek			
HUC 8	Pamunkey			
HUC 6	Lower Chesapeake			
HUC 4	Lower Chesapeake			

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	9.39	% Tree Cover in ARA of Upstream Network	33.96
% Natural Cover in Upstream Drainage Area	16.67	% Tree Cover in ARA of Downstream Network	59.32
% Forested in Upstream Drainage Area	14.15	% Herbaceous Cover in ARA of Upstream Network	56.31
% Agriculture in Upstream Drainage Area	50.58	% Herbaceous Cover in ARA of Downstream Network	16.22
% Natural Cover in ARA of Upstream Network	17.39	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	80.49	% Barren Cover in ARA of Downstream Network	0.04
% Forest Cover in ARA of Upstream Network	6.38	% Road Impervious in ARA of Upstream Network	1.97
% Forest Cover in ARA of Downstream Network	40.25	% Road Impervious in ARA of Downstream Network	0.41
% Agricultural Cover in ARA of Upstream Network	66.67	% Other Impervious in ARA of Upstream Network	1.82
% Agricultural Cover in ARA of Downstream Network	15.54	% Other Impervious in ARA of Downstream Network	0.94
% Impervious Surf in ARA of Upstream Network	2.48		
% Impervious Surf in ARA of Downstream Network	0.58		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

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Network, System Type and Condition					
Functional Upstream Network (mi)	1.43	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	801.61	# Downsteam Natural Barriers	0		
Absolute Gain (mi)	1.43	# Downstream Hydropower Dams	0		
# Size Classes in Total Network	4	# Downstream Dams with Passage	0		
# Upstream Network Size Classes	1	# of Downstream Barriers	2		
NFHAP Cumulative Disturbance Index		Very High			
Dam is on Conserved Land		No			
% Conserved Land in 100m Buffer of Upstream Network		5.61			
% Conserved Land in 100m Buffer of Downstream Network		5.42			
Density of Crossings in Upstream Network Watershed (#/m2)		0.29			
Density of Crossings in Downstream Network Watershed (#/m2)		0.56			
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 Blueback	Potential Current	Downstream Atlantic Sturgeon	None Documented		
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented		
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented		
Presence of 1 or More Downstream Anadromous Species		Potential Curre			
# Diadromous Species Downstream (incl eel)		0			
Resident Fish			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)	56	VA INSTAR mIBI Stream Health	High		
# Rare Fish (HUC8)	1	PA IBI Stream Health	N/A		
# Rare Mussel (HUC8)	3				
# Rare Crayfish (HUC8)	0				

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