Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_NE005** **NE005**

Diadromous Tier	14
Brook Trout Tier	N/A
Resident Tier	10
NID ID	
State ID	NE005
River Name	North East Creek
Dam Height (ft)	9
Dam Type	Unspecified Type
Latitude	39.6074
Longitude	-75.9386
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	North East Creek
HUC 10	North East River-Upper Chesape
HUC 8	Chester-Sassafras
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	2.66
% Natural Cover in Upstream Drainage Area	31.99
% Forested in Upstream Drainage Area	24.11
% Agriculture in Upstream Drainage Area	52.45
% Natural Cover in ARA of Upstream Network	68
% Natural Cover in ARA of Downstream Network	100
% Forest Cover in ARA of Upstream Network	54.61
% Forest Cover in ARA of Downstream Network	15.15
% Agricultral Cover in ARA of Upstream Network	21.27
% Agricultral Cover in ARA of Downstream Network	0
% Impervious Surf in ARA of Upstream Network	1.82
% Impervious Surf in ARA of Downstream Network	0

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	70.3
% Tree Cover in ARA of Downstream Network	80.37
% Herbaceaous Cover in ARA of Upstream Network	24.76
% Herbaceaous Cover in ARA of Downstream Network	0.67
% Barren Cover in ARA of Upstream Network	0.53
% Barren Cover in ARA of Downstream Network	0
% Road Impervious in ARA of Upstream Network	1.09
% Road Impervious in ARA of Downstream Network	0
% Other Impervious in ARA of Upstream Network	2.37
% Other Impervious in ARA of Downstream Network	17.6

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)	38.01	Upstream Size Class Gain (#)	2
Total Functional Network (mi)	38.03	# Downsteam Natural Barriers	1
Absolute Gain (mi)	0.02	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	1

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	7.2
% Conserved Land in 100m Buffer of Downstream Network	0
Density of Crossings in Upstream Network Watershed (#/m2)	0.77
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

Diadromous Fish

Downstream Alewife	None Documented	Downstream Striped Bass	None Documented
Downstream Blueback	None Documented	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	None Docume
# Diadromous Species Downstream (incl eel)	0

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
Native Fish Species Richness (HUC8)	48
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Good
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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