

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_NE005**      **NE005**

Bay-wide Diadromous Tier	14
Bay-wide Resident Tier	10
Bay-wide Brook Trout Tier	N/A
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)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	2.66	% Tree Cover in ARA of Upstream Network	70.3
% Natural Cover in Upstream Drainage Area	31.99	% Tree Cover in ARA of Downstream Network	80.37
% Forested in Upstream Drainage Area	24.11	% Herbaceous Cover in ARA of Upstream Network	24.76
% Agriculture in Upstream Drainage Area	52.45	% Herbaceous Cover in ARA of Downstream Network	0.67
% Natural Cover in ARA of Upstream Network	68	% Barren Cover in ARA of Upstream Network	0.53
% Natural Cover in ARA of Downstream Network	100	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	54.61	% Road Impervious in ARA of Upstream Network	1.09
% Forest Cover in ARA of Downstream Network	15.15	% Road Impervious in ARA of Downstream Network	0
% Agricultural Cover in ARA of Upstream Network	21.27	% Other Impervious in ARA of Upstream Network	2.37
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	17.6
% Impervious Surf in ARA of Upstream Network	1.82		
% Impervious Surf in ARA of Downstream Network	0		

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](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	# Downstream 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 Documented		
# 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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