

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_WIE17** **ISABELLA ST. WEIR**

Bay-wide Diadromous Tier	3
Bay-wide Resident Tier	16
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	WIE17
River Name	North Prong Wicomico River
Dam Height (ft)	0
Dam Type	Unspecified Type
Latitude	38.3719
Longitude	-75.6028
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi)
HUC 12	North Prong Wicomico River
HUC 10	Wicomico River
HUC 8	Tangier
HUC 6	Lower Chesapeake
HUC 4	Lower Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	8.79	% Tree Cover in ARA of Upstream Network	34.73
% Natural Cover in Upstream Drainage Area	41.62	% Tree Cover in ARA of Downstream Network	49.61
% Forested in Upstream Drainage Area	21.32	% Herbaceous Cover in ARA of Upstream Network	14.93
% Agriculture in Upstream Drainage Area	33.03	% Herbaceous Cover in ARA of Downstream Network	38.02
% Natural Cover in ARA of Upstream Network	31.82	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	70.12	% Barren Cover in ARA of Downstream Network	0.22
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	4.45
% Forest Cover in ARA of Downstream Network	19.19	% Road Impervious in ARA of Downstream Network	0.7
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	23.5
% Agricultural Cover in ARA of Downstream Network	23.51	% Other Impervious in ARA of Downstream Network	2.16
% Impervious Surf in ARA of Upstream Network	22.83		
% Impervious Surf in ARA of Downstream Network	1.28		

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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ISABELLA ST. WEIR

Network, System Type and Condition

Functional Upstream Network (mi)	0.15	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	160.43	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.15	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	0
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	8.85		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	0.71		
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	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	5

Resident Fish and Rare Species

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)	31
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A
Rare fish or mussel sp in HUC12	Yes
Rare fish or mussel in upstream or downstream functional network	No

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf