Chesapeake Fish Passage Prioritization - Dam Fact Sheet

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

Diadromous Tier	3
Brook Trout Tier	N/A
Resident Tier	16
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)	
% Impervious Surface in Upstream Drainage Area	8.79
% Natural Cover in Upstream Drainage Area	41.62
% Forested in Upstream Drainage Area	21.32
% Agriculture in Upstream Drainage Area	33.03
% Natural Cover in ARA of Upstream Network	31.82
% Natural Cover in ARA of Downstream Network	70.12
% Forest Cover in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	19.19
% Agricultral Cover in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	23.51
% Impervious Surf in ARA of Upstream Network	22.83
% Impervious Surf in ARA of Downstream Network	1.28

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	34.73
% Tree Cover in ARA of Downstream Network	49.61
% Herbaceaous Cover in ARA of Upstream Network	14.93
% Herbaceaous Cover in ARA of Downstream Network	38.02
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0.22
% Road Impervious in ARA of Upstream Network	4.45
% Road Impervious in ARA of Downstream Network	0.7
% Other Impervious in ARA of Upstream Network	23.5
% Other Impervious in ARA of Downstream Network	2.16

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)	0.15	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	160.43	# Downsteam 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

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	5

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)	31
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# 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	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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