Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12056** **WYE MILLS DAM**

Diadromous Tier	2
Brook Trout Tier	N/A
Resident Tier	12
NID ID	MD00029
State ID	MD_WY001
River Name	Wye East River
Dam Height (ft)	20
Dam Type	Earth
Latitude	38.9427
Longitude	-76.0801
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Upper Wye East River
HUC 10	Eastern Bay
HUC 8	Chester-Sassafras
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.65
% Natural Cover in Upstream Drainage Area	27.72
% Forested in Upstream Drainage Area	14.09
% Agriculture in Upstream Drainage Area	64.13
% Natural Cover in ARA of Upstream Network	29.74
% Natural Cover in ARA of Downstream Network	30.34
% Forest Cover in ARA of Upstream Network	14.69
% Forest Cover in ARA of Downstream Network	11.96
% Agricultral Cover in ARA of Upstream Network	63.41
% Agricultral Cover in ARA of Downstream Network	62.11
% Impervious Surf in ARA of Upstream Network	1.38
% Impervious Surf in ARA of Downstream Network	0.9

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	30.85
% Tree Cover in ARA of Downstream Network	33.37
% Herbaceaous Cover in ARA of Upstream Network	64.6
% Herbaceaous Cover in ARA of Downstream Network	61.97
% Barren Cover in ARA of Upstream Network	0.54
% Barren Cover in ARA of Downstream Network	0.12
% Road Impervious in ARA of Upstream Network	1
% Road Impervious in ARA of Downstream Network	0.97
% Other Impervious in ARA of Upstream Network	1.82
% Other Impervious in ARA of Downstream Network	1.18

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)	18.53	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	240.19	# Downsteam Natural Barriers	0
Absolute Gain (mi)	18.53	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	19.73
% Conserved Land in 100m Buffer of Downstream Network	17.15
Density of Crossings in Upstream Network Watershed (#/m2)	0.88
Density of Crossings in Downstream Network Watershed (#/m2)	0.48
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	3

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	FAIR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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