Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1146** **WOOD DAM**

Diadromous Tier		20
Brook Trout Tier	20	
Resident Tier		20
NID ID	VA01524	
State ID	1146	
River Name		
Dam Height (ft)	30	
Dam Type	Earth	
Latitude	38.1516	
Longitude	-79.23	
Passage Facilities	None Documented	
Passage Year	N/A	
Size Class	1a: Headwater (0 - 3.861 sq mi)	
HUC 12	Edison Creek-Middle River	
HUC 10	Upper Middle River	
HUC 8	South Fork Shenandoah	
HUC 6	Potomac	
HUC 4	Potomac	

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.14
% Natural Cover in Upstream Drainage Area	7.24
% Forested in Upstream Drainage Area	3.07
% Agriculture in Upstream Drainage Area	91.23
% Natural Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	15.73
% Forest Cover in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	14.08
% Agricultral Cover in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	74.4
% Impervious Surf in ARA of Upstream Network	0
% Impervious Surf in ARA of Downstream Network	0.84

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	0
% Tree Cover in ARA of Downstream Network	26.33
% Herbaceaous Cover in ARA of Upstream Network	0
% Herbaceaous Cover in ARA of Downstream Network	70.28
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0
% Road Impervious in ARA of Upstream Network	0
% Road Impervious in ARA of Downstream Network	1.22
% Other Impervious in ARA of Upstream Network	0
% Other Impervious in ARA of Downstream Network	0.82

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)	0.06	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	58.39	# Downsteam Natural Barriers	2
Absolute Gain (mi)	0.06	# Downstream Hydropower Dams	4
# Size Classes in Total Network	2	# Downstream Dams with Passage	3
# Upstream Network Size Classes	0	# of Downstream Barriers	10

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	23.11
Density of Crossings in Upstream Network Watershed (#/m2)	0
Density of Crossings in Downstream Network Watershed (#/m2)	0.98
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	Yes
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)	35
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	Moderate
PA IBI Stream Health	N/A

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