

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1217**

ISAAC WALTON LEAGUE DAM

Bay-wide Diadromous Tier	19
Bay-wide Resident Tier	15
Bay-wide Brook Trout Tier	N/A
NID ID	VA10704
State ID	1217
River Name	
Dam Height (ft)	37.1
Dam Type	Gravity
Latitude	39.0869
Longitude	-77.6634
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	North Fork Goose Creek
HUC 10	North Fork Goose Creek
HUC 8	Middle Potomac-Catoctin
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.2	% Tree Cover in ARA of Upstream Network	69.62
% Natural Cover in Upstream Drainage Area	54.05	% Tree Cover in ARA of Downstream Network	44.84
% Forested in Upstream Drainage Area	52.56	% Herbaceous Cover in ARA of Upstream Network	4.71
% Agriculture in Upstream Drainage Area	42.43	% Herbaceous Cover in ARA of Downstream Network	33.7
% Natural Cover in ARA of Upstream Network	93.06	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	58.59	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	75	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	42.02	% Road Impervious in ARA of Downstream Network	0
% Agricultural Cover in ARA of Upstream Network	6.94	% Other Impervious in ARA of Upstream Network	0.21
% Agricultural Cover in ARA of Downstream Network	41.41	% Other Impervious in ARA of Downstream Network	0.92
% Impervious Surf in ARA of Upstream Network	0		
% 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

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Network, System Type and Condition

Functional Upstream Network (mi)	0.14	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1.73	# Downstream Natural Barriers	1
Absolute Gain (mi)	0.14	# Downstream Hydropower Dams	0
# Size Classes in Total Network	1	# Downstream Dams with Passage	1
# Upstream Network Size Classes	0	# of Downstream Barriers	6
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	2.43		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	1.69		
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)	51
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	4
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
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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