

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12233** **LAUREL LAKES NO 1 (LOWER)**

Diadromous Tier	6
Brook Trout Tier	N/A
Resident Tier	13
NID ID	MD00232
State ID	12233
River Name	Bear Branch
Dam Height (ft)	21
Dam Type	Earth
Latitude	39.0906
Longitude	-76.8599
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Horsepen Branch-Patuxent River
HUC 10	Upper Patuxent River
HUC 8	Patuxent
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	36.12	% Tree Cover in ARA of Upstream Network	26.48
% Natural Cover in Upstream Drainage Area	18.59	% Tree Cover in ARA of Downstream Network	62.66
% Forested in Upstream Drainage Area	13	% Herbaceous Cover in ARA of Upstream Network	21.27
% Agriculture in Upstream Drainage Area	2.36	% Herbaceous Cover in ARA of Downstream Network	24.77
% Natural Cover in ARA of Upstream Network	16.87	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	71.7	% Barren Cover in ARA of Downstream Network	0.29
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	4.66
% Forest Cover in ARA of Downstream Network	37.4	% Road Impervious in ARA of Downstream Network	1.31
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	22.42
% Agricultural Cover in ARA of Downstream Network	12.43	% Other Impervious in ARA of Downstream Network	3.67
% Impervious Surf in ARA of Upstream Network	45.56		
% Impervious Surf in ARA of Downstream Network	4.02		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12233**

LAUREL LAKES NO 1 (LOWER)

Network, System Type and Condition

Functional Upstream Network (mi)	0.74	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1231.5	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.74	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	31.85		
% Conserved Land in 100m Buffer of Downstream Network	19.68		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	0.64		
Density of off-channel dams in Upstream Network Watershed (#/m2)	0		
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.02		

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)	51
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Poor
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

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf