

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12049** **SAVAGE RIVER DAM**

Diadromous Tier	9
Brook Trout Tier	N/A
Resident Tier	2
NID ID	MD00014
State ID	12049
River Name	Savage River
Dam Height (ft)	184
Dam Type	Earth / Rockfill
Latitude	39.5077
Longitude	-79.1341
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi)
HUC 12	Lower Savage River
HUC 10	Savage River
HUC 8	North Branch Potomac
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.26	% Tree Cover in ARA of Upstream Network	89.05
% Natural Cover in Upstream Drainage Area	86.73	% Tree Cover in ARA of Downstream Network	90.05
% Forested in Upstream Drainage Area	85.19	% Herbaceous Cover in ARA of Upstream Network	7.24
% Agriculture in Upstream Drainage Area	9.36	% Herbaceous Cover in ARA of Downstream Network	2.09
% Natural Cover in ARA of Upstream Network	90.08	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	89.77	% Barren Cover in ARA of Downstream Network	1.39
% Forest Cover in ARA of Upstream Network	86.49	% Road Impervious in ARA of Upstream Network	0.42
% Forest Cover in ARA of Downstream Network	84	% Road Impervious in ARA of Downstream Network	0.23
% Agricultural Cover in ARA of Upstream Network	4.15	% Other Impervious in ARA of Upstream Network	0.75
% Agricultural Cover in ARA of Downstream Network	0.77	% Other Impervious in ARA of Downstream Network	1
% Impervious Surf in ARA of Upstream Network	0.36		
% Impervious Surf in ARA of Downstream Network	0.4		

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_12049**

SAVAGE RIVER DAM

Network, System Type and Condition

Functional Upstream Network (mi)	177.6	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	183.79	# Downstream Natural Barriers	1
Absolute Gain (mi)	6.19	# Downstream Hydropower Dams	2
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	9
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	59.25		
% Conserved Land in 100m Buffer of Downstream Network	80.96		
Density of Crossings in Upstream Network Watershed (#/m2)	0.63		
Density of Crossings in Downstream Network Watershed (#/m2)	0.21		
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)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	EXCELLENT
MD MBSS Benthic IBI Stream Health	Good
MD MBSS Fish IBI Stream Health	Good
MD MBSS Combined IBI Stream Health	Good
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