Chesapeake Fish Passage Prioritization - Dam Fact Sheet

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

Bay-wide Diadromous Tier	9
Bay-wide Resident Tier	2
Bay-wide Brook Trout Tier	N/A
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)	
% Impervious Surface in Upstream Drainage Area	0.26
% Natural Cover in Upstream Drainage Area	86.73
% Forested in Upstream Drainage Area	85.19
% Agriculture in Upstream Drainage Area	9.36
% Natural Cover in ARA of Upstream Network	90.08
% Natural Cover in ARA of Downstream Network	89.77
% Forest Cover in ARA of Upstream Network	86.49
% Forest Cover in ARA of Downstream Network	84
% Agricultral Cover in ARA of Upstream Network	4.15
% Agricultral Cover in ARA of Downstream Network	0.77
% Impervious Surf in ARA of Upstream Network	0.36
% Impervious Surf in ARA of Downstream Network	0.4

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	89.05
% Tree Cover in ARA of Downstream Network	90.05
% Herbaceaous Cover in ARA of Upstream Network	7.24
% Herbaceaous Cover in ARA of Downstream Network	2.09
% Barren Cover in ARA of Upstream Network	0.01
% Barren Cover in ARA of Downstream Network	1.39
% Road Impervious in ARA of Upstream Network	0.42
% Road Impervious in ARA of Downstream Network	0.23
% Other Impervious in ARA of Upstream Network	0.75
% Other Impervious in ARA of Downstream Network	1

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

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	# Downsteam 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 Docume
# 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

The Nature Conservancy