

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_49-044** **LOWER**

Bay-wide Diadromous Tier 18
 Bay-wide Resident Tier 17
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID 49-044
 River Name South Branch Roaring Creek
 Dam Height (ft) 2
 Dam Type Timber Crib
 Latitude 40.8806
 Longitude -76.5042
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1b: Creek (3.861 - 38.61 sq mi)
 HUC 12 Mugser Run-South Branch Roari
 HUC 10 Roaring Creek
 HUC 8 Upper Susquehanna-Lackawann
 HUC 6 Upper Susquehanna
 HUC 4 Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.7	% Tree Cover in ARA of Upstream Network	41.59
% Natural Cover in Upstream Drainage Area	70.84	% Tree Cover in ARA of Downstream Network	59.54
% Forested in Upstream Drainage Area	68.33	% Herbaceous Cover in ARA of Upstream Network	10.09
% Agriculture in Upstream Drainage Area	22.92	% Herbaceous Cover in ARA of Downstream Network	35.92
% Natural Cover in ARA of Upstream Network	22.06	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	59.09	% Barren Cover in ARA of Downstream Network	0.05
% Forest Cover in ARA of Upstream Network	22.06	% Road Impervious in ARA of Upstream Network	2.36
% Forest Cover in ARA of Downstream Network	57.32	% Road Impervious in ARA of Downstream Network	1.34
% Agricultural Cover in ARA of Upstream Network	13.97	% Other Impervious in ARA of Upstream Network	44.04
% Agricultural Cover in ARA of Downstream Network	27.26	% Other Impervious in ARA of Downstream Network	1.34
% Impervious Surf in ARA of Upstream Network	40.84		
% Impervious Surf in ARA of Downstream Network	1.38		

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)	85.07	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.06	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	5
# Upstream Network Size Classes	0	# of Downstream Barriers	7
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		0.1	
Density of Crossings in Upstream Network Watershed (#/m2)		0	
Density of Crossings in Downstream Network Watershed (#/m2)		1.08	
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	Current
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	1
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	FAIR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	Yes	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	37	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Good
# Rare Mussel (HUC8)	2		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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