

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_1069**

SOUTH RIVER DAM #3

Bay-wide Diadromous Tier	19
Bay-wide Resident Tier	19
Bay-wide Brook Trout Tier	N/A
NID ID	VA01510
State ID	1069
River Name	Poor Creek
Dam Height (ft)	47
Dam Type	Gravity
Latitude	37.9893
Longitude	-79.1508
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Stony Run-South River
HUC 10	South River
HUC 8	South Fork Shenandoah
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	3.33	% Tree Cover in ARA of Upstream Network	27.04
% Natural Cover in Upstream Drainage Area	14.34	% Tree Cover in ARA of Downstream Network	42.91
% Forested in Upstream Drainage Area	13.78	% Herbaceous Cover in ARA of Upstream Network	69.81
% Agriculture in Upstream Drainage Area	69.7	% Herbaceous Cover in ARA of Downstream Network	40.01
% Natural Cover in ARA of Upstream Network	11.29	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	50.35	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	9.5	% Road Impervious in ARA of Upstream Network	0.78
% Forest Cover in ARA of Downstream Network	32.28	% Road Impervious in ARA of Downstream Network	0.47
% Agricultural Cover in ARA of Upstream Network	80.51	% Other Impervious in ARA of Upstream Network	1.03
% Agricultural Cover in ARA of Downstream Network	35.61	% Other Impervious in ARA of Downstream Network	0.9
% Impervious Surf in ARA of Upstream Network	1.1		
% Impervious Surf in ARA of Downstream Network	1.39		

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)	6.71	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	7.86	# Downsteam Natural Barriers	2
Absolute Gain (mi)	1.16	# Downstream Hydropower Dams	4
# Size Classes in Total Network	1	# Downstream Dams with Passage	3
# Upstream Network Size Classes	1	# of Downstream Barriers	10
NFHAP Cumulative Disturbance Index		Very High	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		0	
% Conserved Land in 100m Buffer of Downstream Network		0	
Density of Crossings in Upstream Network Watershed (#/m2)		1.47	
Density of Crossings in Downstream Network Watershed (#/m2)		2.07	
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
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	0
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	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	35	VA INSTAR mIBI Stream Health	High
# Rare Fish (HUC8)	0	PA IBI Stream Health	N/A
# Rare Mussel (HUC8)	0		
# 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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