

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_11-117** **BEAVER LODGE REC CENTER**

Diadromous Tier	20
Brook Trout Tier	17
Resident Tier	10
NID ID	
State ID	11-117
River Name	Beaver Run
Dam Height (ft)	3
Dam Type	Earth
Latitude	40.7229
Longitude	-78.7595
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Beaver Run-West Branch Susqu
HUC 10	Upper West Branch Susquehann
HUC 8	Upper West Branch Susquehann
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.26	% Tree Cover in ARA of Upstream Network	51.82
% Natural Cover in Upstream Drainage Area	62.86	% Tree Cover in ARA of Downstream Network	75.04
% Forested in Upstream Drainage Area	62.29	% Herbaceous Cover in ARA of Upstream Network	43.56
% Agriculture in Upstream Drainage Area	31.74	% Herbaceous Cover in ARA of Downstream Network	18.45
% Natural Cover in ARA of Upstream Network	64.89	% Barren Cover in ARA of Upstream Network	0.11
% Natural Cover in ARA of Downstream Network	82.72	% Barren Cover in ARA of Downstream Network	0.47
% Forest Cover in ARA of Upstream Network	63.34	% Road Impervious in ARA of Upstream Network	0.82
% Forest Cover in ARA of Downstream Network	79.47	% Road Impervious in ARA of Downstream Network	1.02
% Agricultural Cover in ARA of Upstream Network	27.53	% Other Impervious in ARA of Upstream Network	0.92
% Agricultural Cover in ARA of Downstream Network	6.67	% Other Impervious in ARA of Downstream Network	1.65
% Impervious Surf in ARA of Upstream Network	0.47		
% Impervious Surf in ARA of Downstream Network	1.17		

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)	2.48	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	591.58	# Downstream Natural Barriers	0
Absolute Gain (mi)	2.48	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	6
# Upstream Network Size Classes	1	# of Downstream Barriers	12
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	10.79		
Density of Crossings in Upstream Network Watershed (#/m2)	0.72		
Density of Crossings in Downstream Network Watershed (#/m2)	0.98		
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	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	Yes
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	29
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	VERY_POOR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Fair

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