Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_67-485** **BEAVER CREEK**

Diadromous Tier	5
Brook Trout Tier	N/A
Resident Tier	4
NID ID	
State ID	67-485
River Name	Beaver Creek
Dam Height (ft)	20
Dam Type	Concrete
Latitude	39.9313
Longitude	-76.5081
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Fishing Creek
HUC 10	Susquehanna River
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.12
% Natural Cover in Upstream Drainage Area	46.65
% Forested in Upstream Drainage Area	41.1
% Agriculture in Upstream Drainage Area	44.04
% Natural Cover in ARA of Upstream Network	70.66
% Natural Cover in ARA of Downstream Network	54.86
% Forest Cover in ARA of Upstream Network	61.68
% Forest Cover in ARA of Downstream Network	25.9
% Agricultral Cover in ARA of Upstream Network	21.41
% Agricultral Cover in ARA of Downstream Network	27.04
% Impervious Surf in ARA of Upstream Network	0.44
% Impervious Surf in ARA of Downstream Network	4.7

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	72.2
% Tree Cover in ARA of Downstream Network	36.52
% Herbaceaous Cover in ARA of Upstream Network	24.67
% Herbaceaous Cover in ARA of Downstream Network	35.98
% Barren Cover in ARA of Upstream Network	0.02
% Barren Cover in ARA of Downstream Network	0.48
% Road Impervious in ARA of Upstream Network	0.66
% Road Impervious in ARA of Downstream Network	1.03
% Other Impervious in ARA of Upstream Network	1.31
% Other Impervious in ARA of Downstream Network	4.29

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)	8.91	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	562.96	# Downsteam Natural Barriers	0
Absolute Gain (mi)	8.91	# Downstream Hydropower Dams	3
# Size Classes in Total Network	5	# Downstream Dams with Passage	3
# Upstream Network Size Classes	2	# of Downstream Barriers	3

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	0
% Conserved Land in 100m Buffer of Downstream Network	2.2
Density of Crossings in Upstream Network Watershed (#/m2)	1.06
Density of Crossings in Downstream Network Watershed (#/m2)	1.27
Density of off-channel dams in Upstream Network Watershed (#/m2)	0
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.01

Diadromous Fish

Downstream Alewife	Potential Current	Downstream Striped Bass	None Documented
Downstream Blueback	Potential Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Potential Curre
# Diadromous Species Downstream (incl eel)	1

Resident Fish

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	53
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

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

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