

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_67-492**

PEACH BOTTOM ATOMIC POWER

Bay-wide Diadromous Tier	6
Bay-wide Resident Tier	4
Bay-wide Brook Trout Tier	N/A
NID ID	PA00390
State ID	67-492
River Name	
Dam Height (ft)	34
Dam Type	Rockfill
Latitude	39.7566
Longitude	-76.2665
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Fishing Creek-Susquehanna Rive
HUC 10	Susquehanna River
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	3.01	% Tree Cover in ARA of Upstream Network	64.89
% Natural Cover in Upstream Drainage Area	39.93	% Tree Cover in ARA of Downstream Network	34.61
% Forested in Upstream Drainage Area	29.54	% Herbaceous Cover in ARA of Upstream Network	23.98
% Agriculture in Upstream Drainage Area	49.2	% Herbaceous Cover in ARA of Downstream Network	22.82
% Natural Cover in ARA of Upstream Network	70.7	% Barren Cover in ARA of Upstream Network	0.94
% Natural Cover in ARA of Downstream Network	74.81	% Barren Cover in ARA of Downstream Network	0.34
% Forest Cover in ARA of Upstream Network	60.64	% Road Impervious in ARA of Upstream Network	0.97
% Forest Cover in ARA of Downstream Network	28.95	% Road Impervious in ARA of Downstream Network	0.51
% Agricultural Cover in ARA of Upstream Network	13.05	% Other Impervious in ARA of Upstream Network	6.82
% Agricultural Cover in ARA of Downstream Network	20.6	% Other Impervious in ARA of Downstream Network	1.48
% Impervious Surf in ARA of Upstream Network	4.77		
% Impervious Surf in ARA of Downstream Network	0.59		

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)	5.82	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	183.48	# Downsteam Natural Barriers	0
Absolute Gain (mi)	5.82	# Downstream Hydropower Dams	1
# Size Classes in Total Network	4	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		0	
% Conserved Land in 100m Buffer of Downstream Network		2.58	
Density of Crossings in Upstream Network Watershed (#/m2)		0.77	
Density of Crossings in Downstream Network Watershed (#/m2)		0.65	
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	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
One or More DS Anadromous Species	Potential Curre	# 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	Fair
Barrier Blocks an EBTJV Catchment	Yes	MD MBSS Fish IBI Stream Health	Fair
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	Fair
Native Fish Species Richness (HUC8)	53	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	2	PA IBI Stream Health	Good
# Rare Mussel (HUC8)	3		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	Yes	Rare fish or mussel sp in HUC12	Yes
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	Yes	Rare fish or mussel in upstream or downstream functional network	Yes

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