

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_324**

BATH CO. PUMPED STORAGE - LOWER

Bay-wide Diadromous Tier	7
Bay-wide Resident Tier	1
Bay-wide Brook Trout Tier	3
NID ID	VA01707
State ID	324
River Name	Back Creek
Dam Height (ft)	170
Dam Type	Earth
Latitude	38.1981
Longitude	-79.8082
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Jim Dave Run-Back Creek
HUC 10	Back Creek-Middle Jackson River
HUC 8	Upper James
HUC 6	James
HUC 4	Lower Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.14	% Tree Cover in ARA of Upstream Network	63.64
% Natural Cover in Upstream Drainage Area	87.18	% Tree Cover in ARA of Downstream Network	63.09
% Forested in Upstream Drainage Area	85.75	% Herbaceous Cover in ARA of Upstream Network	26.47
% Agriculture in Upstream Drainage Area	9.2	% Herbaceous Cover in ARA of Downstream Network	22.69
% Natural Cover in ARA of Upstream Network	64.75	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	71.3	% Barren Cover in ARA of Downstream Network	0.02
% Forest Cover in ARA of Upstream Network	55.88	% Road Impervious in ARA of Upstream Network	1.06
% Forest Cover in ARA of Downstream Network	57.81	% Road Impervious in ARA of Downstream Network	1.06
% Agricultural Cover in ARA of Upstream Network	24.04	% Other Impervious in ARA of Upstream Network	0.76
% Agricultural Cover in ARA of Downstream Network	19.96	% Other Impervious in ARA of Downstream Network	0.45
% Impervious Surf in ARA of Upstream Network	0.63		
% Impervious Surf in ARA of Downstream Network	0.55		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_324**

BATH CO. PUMPED STORAGE - LOWER

Network, System Type and Condition

Functional Upstream Network (mi)	220.61	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	951.34	# Downstream Natural Barriers	0
Absolute Gain (mi)	220.61	# Downstream Hydropower Dams	8
# Size Classes in Total Network	4	# Downstream Dams with Passage	4
# Upstream Network Size Classes	3	# of Downstream Barriers	13
NFHAP Cumulative Disturbance Index	Low		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	45.79		
% Conserved Land in 100m Buffer of Downstream Network	50.7		
Density of Crossings in Upstream Network Watershed (#/m2)	1		
Density of Crossings in Downstream Network Watershed (#/m2)	0.97		
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	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Historical	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	Historical	# Diadromous Sp Dnstrm (incl eel)	0

Resident Fish and Rare Species

Barrier is in EBTJV BKT Catchment	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	47
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	6
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	GOOD
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	Very High
PA IBI Stream Health	N/A
Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	Yes

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf