





Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_1086		BUTLER DAM		Lake Serene Dam	
Bay-wide Diadromous Tier	18	 			
Bay-wide Resident Tier	11				
Bay-wide Brook Trout Tier	N/A				
NID ID	VA06901				
State ID	1086	 			
River Name	Babbs Run				
Dam Height (ft)	24				
Dam Type	Gravity				
Latitude	39.267				
Longitude	-78.1997				
Passage Facilities	None Documented				
Passage Year	N/A				
Size Class	1b: Creek (3.861 - 38.61 sq mi)				
HUC 12	Babbs Run				
HUC 10	Back Creek				
HUC 8	Conococheague-Opequon				
HUC 6	Potomac				
HUC 4	Potomac				

Landcover					
NLCD (2011)			Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	2.02		% Tree Cover in ARA of Upstream Network	21.13	
% Natural Cover in Upstream Drainage Area	33.58		% Tree Cover in ARA of Downstream Network	71.81	
% Forested in Upstream Drainage Area	32.3		% Herbaceous Cover in ARA of Upstream Network	73.97	
% Agriculture in Upstream Drainage Area	57.05		% Herbaceous Cover in ARA of Downstream Network	1.18	
% Natural Cover in ARA of Upstream Network	18.33		% Barren Cover in ARA of Upstream Network	0	
% Natural Cover in ARA of Downstream Network	90.93		% Barren Cover in ARA of Downstream Network	0	
% Forest Cover in ARA of Upstream Network	14.48		% Road Impervious in ARA of Upstream Network	0.63	
% Forest Cover in ARA of Downstream Network	58.15		% Road Impervious in ARA of Downstream Network	1.28	
% Agricultural Cover in ARA of Upstream Network	78.67		% Other Impervious in ARA of Upstream Network	1.11	
% Agricultural Cover in ARA of Downstream Network	0.56		% Other Impervious in ARA of Downstream Network	1.78	
% Impervious Surf in ARA of Upstream Network	0.31				
% Impervious Surf in ARA of Downstream Network	0.23				

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_1086		BUTLER DAM		Lake Serene Dam	
Network, System Type and Condition					
Functional Upstream Network (mi)	8.66	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	13.12	# Downsteam Natural Barriers		1	
Absolute Gain (mi)	4.46	# Downstream Hydropower Dams		2	
# Size Classes in Total Network	2	# Downstream Dams with Passage		1	
# Upstream Network Size Classes	2	# of Downstream Barriers		7	
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		0			
Density of Crossings in Upstream Network Watershed (#/m2)		1.06			
Density of Crossings in Downstream Network Watershed (#/m2)		1.8			
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		GOOD	
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)	42	VA INSTAR mIBI Stream Health		High	
# Rare Fish (HUC8)	0	PA IBI Stream Health		N/A	
# Rare Mussel (HUC8)	5				
# 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	

Metric descriptions can be found at:

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