

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: PA_50-051		COL TRESSLER	Eckerd Dam	
Bay-wide Diadromous Tier	17			
Bay-wide Resident Tier	10			
Bay-wide Brook Trout Tier	N/A			
NID ID				
State ID	50-051			
River Name				
Dam Height (ft)	9			
Dam Type	Earth			
Latitude	40.4148			
Longitude	-77.1868			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1a: Headwater (0 - 3.861 sq mi)			
HUC 12	Little Juniata Creek			
HUC 10	Susquehanna River			
HUC 8	Lower Susquehanna-Swatara			
HUC 6	Lower Susquehanna			
HUC 4	Susquehanna			

Landcover					
NLCD (2011)			Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	1.89		% Tree Cover in ARA of Upstream Network	26.5	
% Natural Cover in Upstream Drainage Area	43.35		% Tree Cover in ARA of Downstream Network	57.9	
% Forested in Upstream Drainage Area	42.92		% Herbaceous Cover in ARA of Upstream Network	68.27	
% Agriculture in Upstream Drainage Area	48.22		% Herbaceous Cover in ARA of Downstream Network	29.41	
% Natural Cover in ARA of Upstream Network	28.21		% Barren Cover in ARA of Upstream Network	0.12	
% Natural Cover in ARA of Downstream Network	63.5		% Barren Cover in ARA of Downstream Network	0.56	
% Forest Cover in ARA of Upstream Network	25.44		% Road Impervious in ARA of Upstream Network	0.75	
% Forest Cover in ARA of Downstream Network	52.34		% Road Impervious in ARA of Downstream Network	1.34	
% Agricultural Cover in ARA of Upstream Network	62.28		% Other Impervious in ARA of Upstream Network	2.7	
% Agricultural Cover in ARA of Downstream Network	23.41		% Other Impervious in ARA of Downstream Network	2.82	
% Impervious Surf in ARA of Upstream Network	2.22				
% Impervious Surf in ARA of Downstream Network	2.58				

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)	3.49	Upstream Size Class Gain (#)		0	
Total Functional Network (mi)	4511.16	# Downstream Natural Barriers		0	
Absolute Gain (mi)	3.49	# Downstream Hydropower Dams		4	
# Size Classes in Total Network	6	# Downstream Dams with Passage		5	
# Upstream Network Size Classes	1	# of Downstream Barriers		5	
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		8.38			
Density of Crossings in Upstream Network Watershed (#/m2)		0.22			
Density of Crossings in Downstream Network Watershed (#/m2)		1.21			
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		Current	
One or More DS Anadromous Species	None Docume	# 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		POOR	
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health		N/A	
Barrier Blocks an EBTJV Catchment	Yes	MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes	MD MBSS Combined IBI Stream Health		N/A	
Native Fish Species Richness (HUC8)	38	VA INSTAR mIBI Stream Health		N/A	
# Rare Fish (HUC8)	0	PA IBI Stream Health		Poor	
# Rare Mussel (HUC8)	2				
# 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	Yes	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