

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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COL TRESSLER

Eckerd Dam

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
Presence of 1 or More Downstream Anadromous Species	None Documented		
# 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)	Yes
Native Fish Species Richness (HUC8)	38
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
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	N/A
PA IBI Stream Health	Poor

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