

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_36-005** **HOLTWOOD**

Bay-wide Diadromous Tier	1
Bay-wide Resident Tier	1
Bay-wide Brook Trout Tier	N/A
NID ID	PA00854
State ID	36-005
River Name	Susquehanna River
Dam Height (ft)	55
Dam Type	Concrete
Latitude	39.8269
Longitude	-76.3364
Passage Facilities	Fish Lift
Passage Year	1997
Size Class	5: Great River (>9,653 sq mi)
HUC 12	Muddy Run-Susquehanna River
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	1.78	% Tree Cover in ARA of Upstream Network	43.49
% Natural Cover in Upstream Drainage Area	66.97	% Tree Cover in ARA of Downstream Network	34.61
% Forested in Upstream Drainage Area	61.39	% Herbaceous Cover in ARA of Upstream Network	26.39
% Agriculture in Upstream Drainage Area	24.8	% Herbaceous Cover in ARA of Downstream Network	22.82
% Natural Cover in ARA of Upstream Network	68.66	% Barren Cover in ARA of Upstream Network	0.07
% 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	39.3	% 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	18.36	% Other Impervious in ARA of Upstream Network	4.17
% 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	2.98		
% 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)	130.92	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	308.59	# Downstream Natural Barriers	0
Absolute Gain (mi)	130.92	# Downstream Hydropower Dams	1
# Size Classes in Total Network	5	# Downstream Dams with Passage	1
# Upstream Network Size Classes	5	# 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	5.97		
% Conserved Land in 100m Buffer of Downstream Network	2.58		
Density of Crossings in Upstream Network Watershed (#/m2)	0.85		
Density of Crossings in Downstream Network Watershed (#/m2)	0.65		
Density of off-channel dams in Upstream Network Watershed (#/m2)	0.01		
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	Historical
Downstream American Shad	Current	Downstream Shortnose Sturgeon	Historical
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	2		

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)	No
Native Fish Species Richness (HUC8)	53
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Fair
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Good

Metric descriptions can be found at:

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