Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_36-230** **SAFE HARBOR**

Diadromous Tier	1
Brook Trout Tier	N/A
Resident Tier	1
NID ID	PA00855
State ID	36-230
River Name	Susquehanna River
Dam Height (ft)	75
Dam Type	Concrete
Latitude	39.9187
Longitude	-76.394
Passage Facilities	Fish Lift
Passage Year	1997
Size Class	5: Great River (>9,653 sq mi)
HUC 12	Green Branch-Susquehanna Rive
HUC 10	Susquehanna River
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.66
% Natural Cover in Upstream Drainage Area	67.98
% Forested in Upstream Drainage Area	62.4
% Agriculture in Upstream Drainage Area	24.17
% Natural Cover in ARA of Upstream Network	54.86
% Natural Cover in ARA of Downstream Network	68.66
% Forest Cover in ARA of Upstream Network	25.9
% Forest Cover in ARA of Downstream Network	39.3
% Agricultral Cover in ARA of Upstream Network	27.04
% Agricultral Cover in ARA of Downstream Network	18.36
% Impervious Surf in ARA of Upstream Network	4.7
% Impervious Surf in ARA of Downstream Network	2.98

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	36.52
% Tree Cover in ARA of Downstream Network	43.49
% Herbaceaous Cover in ARA of Upstream Network	35.98
% Herbaceaous Cover in ARA of Downstream Network	26.39
% Barren Cover in ARA of Upstream Network	0.48
% Barren Cover in ARA of Downstream Network	0.07
% Road Impervious in ARA of Upstream Network	1.03
% Road Impervious in ARA of Downstream Network	0.97
% Other Impervious in ARA of Upstream Network	4.29
% Other Impervious in ARA of Downstream Network	4.17

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)	554.05	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	684.98	# Downsteam Natural Barriers	0
Absolute Gain (mi)	130.92	# Downstream Hydropower Dams	2
# Size Classes in Total Network	5	# Downstream Dams with Passage	2
# Upstream Network Size Classes	5	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	2.2
% Conserved Land in 100m Buffer of Downstream Network	5.97
Density of Crossings in Upstream Network Watershed (#/m2)	1.27
Density of Crossings in Downstream Network Watershed (#/m2)	0.85
Density of off-channel dams in Upstream Network Watershed (#/m2)	0.01
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.01

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

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