Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_67-002** **YORK HAVEN**

Bay-wide Diadromous Tier	1
Bay-wide Resident Tier	2
Bay-wide Brook Trout Tier	N/A
NID ID	PA00515
State ID	67-002
River Name	Susquehanna River
Dam Height (ft)	10
Dam Type	Stone
Latitude	40.1212
Longitude	-76.7181
Passage Facilities	Vertical Slot
Passage Year	2000
Size Class	5: Great River (>9,653 sq mi)
HUC 12	Laurel Run-Susquehanna River
HUC 10	Susquehanna River
HUC 8	Lower Susquehanna-Swatara
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.51
% Natural Cover in Upstream Drainage Area	69.57
% Forested in Upstream Drainage Area	64.14
% Agriculture in Upstream Drainage Area	23.13
% Natural Cover in ARA of Upstream Network	50.92
% Natural Cover in ARA of Downstream Network	54.86
% Forest Cover in ARA of Upstream Network	21.43
% Forest Cover in ARA of Downstream Network	25.9
% Agricultral Cover in ARA of Upstream Network	11.86
% Agricultral Cover in ARA of Downstream Network	27.04
% Impervious Surf in ARA of Upstream Network	15.91
% Impervious Surf in ARA of Downstream Network	4.7

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	36.88
% Tree Cover in ARA of Downstream Network	36.52
% Herbaceaous Cover in ARA of Upstream Network	20.37
% Herbaceaous Cover in ARA of Downstream Network	35.98
% Barren Cover in ARA of Upstream Network	0.36
% Barren Cover in ARA of Downstream Network	0.48
% Road Impervious in ARA of Upstream Network	1.82
% Road Impervious in ARA of Downstream Network	1.03
% Other Impervious in ARA of Upstream Network	15.55
% Other Impervious in ARA of Downstream Network	4.29

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)	253.29	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	807.35	# Downsteam Natural Barriers	0
Absolute Gain (mi)	253.29	# Downstream Hydropower Dams	3
# Size Classes in Total Network	5	# Downstream Dams with Passage	3
# Upstream Network Size Classes	5	# of Downstream Barriers	3

NFHAP Cumulative Disturbance Index	Low
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	1.2
% Conserved Land in 100m Buffer of Downstream Network	2.2
Density of Crossings in Upstream Network Watershed (#/m2)	2.34
Density of Crossings in Downstream Network Watershed (#/m2)	1.27
Density of off-channel dams in Upstream Network Watershed (#/m2)	0
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	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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