Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_18-019** **LOCK HAVEN**

Bay-wide Diadromous Tier	2
Bay-wide Resident Tier	1
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	18-019
River Name	West Branch Susquehanna River
Dam Height (ft)	11
Dam Type	Concrete
Latitude	41.1385
Longitude	-77.4347
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3b: Medium Mainstem River (1,
HUC 12	Reeds Run-West Branch Susque
HUC 10	Lower West Branch Susquehann
HUC 8	Middle West Branch Susquehan
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.45
% Natural Cover in Upstream Drainage Area	89.13
% Forested in Upstream Drainage Area	83.28
% Agriculture in Upstream Drainage Area	6.76
% Natural Cover in ARA of Upstream Network	93
% Natural Cover in ARA of Downstream Network	71.46
% Forest Cover in ARA of Upstream Network	84.61
% Forest Cover in ARA of Downstream Network	63.46
% Agricultral Cover in ARA of Upstream Network	2.11
% Agricultral Cover in ARA of Downstream Network	18.38
% Impervious Surf in ARA of Upstream Network	0.66
% Impervious Surf in ARA of Downstream Network	2.27

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	87.15
% Tree Cover in ARA of Downstream Network	68.74
% Herbaceaous Cover in ARA of Upstream Network	8.23
% Herbaceaous Cover in ARA of Downstream Network	23.35
% Barren Cover in ARA of Upstream Network	0.23
% Barren Cover in ARA of Downstream Network	0.16
% Road Impervious in ARA of Upstream Network	0.56
% Road Impervious in ARA of Downstream Network	1.49
% Other Impervious in ARA of Upstream Network	0.82
% Other Impervious in ARA of Downstream Network	2.39

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)	3033.83	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	4992.35	# Downsteam Natural Barriers	0
Absolute Gain (mi)	1958.52	# Downstream Hydropower Dams	4
# Size Classes in Total Network	6	# Downstream Dams with Passage	6
# Upstream Network Size Classes	5	# of Downstream Barriers	7

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	50.93
% Conserved Land in 100m Buffer of Downstream Network	38.6
Density of Crossings in Upstream Network Watershed (#/m2)	0.55
Density of Crossings in Downstream Network Watershed (#/m2)	0.72
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	Potential Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Potential Curre
# 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	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	24
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	NO_SCORE
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	Good

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