

## 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)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.45	% Tree Cover in ARA of Upstream Network	87.15
% Natural Cover in Upstream Drainage Area	89.13	% Tree Cover in ARA of Downstream Network	68.74
% Forested in Upstream Drainage Area	83.28	% Herbaceous Cover in ARA of Upstream Network	8.23
% Agriculture in Upstream Drainage Area	6.76	% Herbaceous Cover in ARA of Downstream Network	23.35
% Natural Cover in ARA of Upstream Network	93	% Barren Cover in ARA of Upstream Network	0.23
% Natural Cover in ARA of Downstream Network	71.46	% Barren Cover in ARA of Downstream Network	0.16
% Forest Cover in ARA of Upstream Network	84.61	% Road Impervious in ARA of Upstream Network	0.56
% Forest Cover in ARA of Downstream Network	63.46	% Road Impervious in ARA of Downstream Network	1.49
% Agricultural Cover in ARA of Upstream Network	2.11	% Other Impervious in ARA of Upstream Network	0.82
% Agricultural Cover in ARA of Downstream Network	18.38	% Other Impervious in ARA of Downstream Network	2.39
% Impervious Surf in ARA of Upstream Network	0.66		
% Impervious Surf in ARA of Downstream Network	2.27		

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](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	# Downstream 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
One or More DS Anadromous Species	Potential Curre	# Diadromous Sp Dnstrm (incl eel)	1

## Resident Fish and Rare Species

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
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	Yes

## 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

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	Yes

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