

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_11-047**

BAKERTON

Bay-wide Diadromous Tier	20
Bay-wide Resident Tier	8
Bay-wide Brook Trout Tier	18
NID ID	PA00436
State ID	11-047
River Name	West Branch Susquehanna River
Dam Height (ft)	24
Dam Type	Earth
Latitude	40.5915
Longitude	-78.7297
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Headwaters West Branch Susqu
HUC 10	Upper West Branch Susquehann
HUC 8	Upper West Branch Susquehann
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.74	% Tree Cover in ARA of Upstream Network	80.28
% Natural Cover in Upstream Drainage Area	60.48	% Tree Cover in ARA of Downstream Network	75.04
% Forested in Upstream Drainage Area	59.83	% Herbaceous Cover in ARA of Upstream Network	16.41
% Agriculture in Upstream Drainage Area	28.74	% Herbaceous Cover in ARA of Downstream Network	18.45
% Natural Cover in ARA of Upstream Network	97.01	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	82.72	% Barren Cover in ARA of Downstream Network	0.47
% Forest Cover in ARA of Upstream Network	92.79	% Road Impervious in ARA of Upstream Network	0.45
% Forest Cover in ARA of Downstream Network	79.47	% Road Impervious in ARA of Downstream Network	1.02
% Agricultural Cover in ARA of Upstream Network	0.75	% Other Impervious in ARA of Upstream Network	0.1
% Agricultural Cover in ARA of Downstream Network	6.67	% Other Impervious in ARA of Downstream Network	1.65
% Impervious Surf in ARA of Upstream Network	0.11		
% Impervious Surf in ARA of Downstream Network	1.17		

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)	1.73	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	590.82	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.73	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	6
# Upstream Network Size Classes	1	# of Downstream Barriers	12
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	10.79		
Density of Crossings in Upstream Network Watershed (#/m2)	0.92		
Density of Crossings in Downstream Network Watershed (#/m2)	0.98		
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	0

Resident Fish and Rare Species

Barrier is in EBTJV BKT Catchment	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	Yes
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	29
# Rare Fish (HUC8)	1
# 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	No

Stream Health

Chesapeake Bay Program Stream Health	ERY_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	Fair

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

Metric descriptions can be found at:

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