

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_64-089** **WRIGHTER LAKE**

Bay-wide Diadromous Tier	14
Bay-wide Resident Tier	4
Bay-wide Brook Trout Tier	12
NID ID	
State ID	64-089
River Name	
Dam Height (ft)	5
Dam Type	Stone
Latitude	41.8443
Longitude	-75.472
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Upper Starrucca Creek
HUC 10	Lower Susquehanna River
HUC 8	Upper Susquehanna
HUC 6	Upper Susquehanna
HUC 4	Susquehanna



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.25	% Tree Cover in ARA of Upstream Network	32.33
% Natural Cover in Upstream Drainage Area	78.76	% Tree Cover in ARA of Downstream Network	64.03
% Forested in Upstream Drainage Area	46.87	% Herbaceous Cover in ARA of Upstream Network	11.64
% Agriculture in Upstream Drainage Area	15.53	% Herbaceous Cover in ARA of Downstream Network	26.34
% Natural Cover in ARA of Upstream Network	90.28	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	77.18	% Barren Cover in ARA of Downstream Network	0.27
% Forest Cover in ARA of Upstream Network	31.84	% Road Impervious in ARA of Upstream Network	1.09
% Forest Cover in ARA of Downstream Network	61.57	% Road Impervious in ARA of Downstream Network	1.09
% Agricultural Cover in ARA of Upstream Network	4.09	% Other Impervious in ARA of Upstream Network	3.13
% Agricultural Cover in ARA of Downstream Network	16.75	% Other Impervious in ARA of Downstream Network	1.01
% Impervious Surf in ARA of Upstream Network	0.41		
% Impervious Surf in ARA of Downstream Network	0.79		

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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**WRIGHTER LAKE**

## Network, System Type and Condition

Functional Upstream Network (mi)	1.04	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	196.58	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.04	# Downstream Hydropower Dams	6
# Size Classes in Total Network	4	# Downstream Dams with Passage	5
# Upstream Network Size Classes	1	# of Downstream Barriers	11
NFHAP Cumulative Disturbance Index	Low		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	7.89		
Density of Crossings in Upstream Network Watershed (#/m2)	0.68		
Density of Crossings in Downstream Network Watershed (#/m2)	0.93		
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	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	Current
Presence of 1 or More Downstream Anadromous Species	None Documented		
# Diadromous Species Downstream (incl eel)	1		

## Resident Fish

Barrier is in EBTJV BKT Catchment	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes
Native Fish Species Richness (HUC8)	48
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0

## Stream Health

Chesapeake Bay Program Stream Health	GOOD
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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