

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_PA00680**      **SWEET ARROW LAKE**

Bay-wide Diadromous Tier	9
Bay-wide Resident Tier	10
Bay-wide Brook Trout Tier	N/A
NID ID	PA00680
State ID	PA00680
River Name	Upper Little Swatara Creek
Dam Height (ft)	36
Dam Type	Earth
Latitude	40.5705
Longitude	-76.3666
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Upper Little Swatara Creek
HUC 10	Upper Swatara Creek
HUC 8	Lower Susquehanna-Swatara
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.86	% Tree Cover in ARA of Upstream Network	51
% Natural Cover in Upstream Drainage Area	53.76	% Tree Cover in ARA of Downstream Network	63.56
% Forested in Upstream Drainage Area	52.51	% Herbaceous Cover in ARA of Upstream Network	40.57
% Agriculture in Upstream Drainage Area	38.08	% Herbaceous Cover in ARA of Downstream Network	28.6
% Natural Cover in ARA of Upstream Network	52.47	% Barren Cover in ARA of Upstream Network	0.2
% Natural Cover in ARA of Downstream Network	63.78	% Barren Cover in ARA of Downstream Network	1.02
% Forest Cover in ARA of Upstream Network	48.68	% Road Impervious in ARA of Upstream Network	1.52
% Forest Cover in ARA of Downstream Network	58.37	% Road Impervious in ARA of Downstream Network	1.7
% Agricultural Cover in ARA of Upstream Network	33.32	% Other Impervious in ARA of Upstream Network	3.09
% Agricultural Cover in ARA of Downstream Network	20.8	% Other Impervious in ARA of Downstream Network	3.28
% Impervious Surf in ARA of Upstream Network	1.41		
% Impervious Surf in ARA of Downstream Network	3		

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)	22.97	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	220.92	# Downstream Natural Barriers	0
Absolute Gain (mi)	22.97	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	6
# Upstream Network Size Classes	2	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	2.61		
% Conserved Land in 100m Buffer of Downstream Network	15.29		
Density of Crossings in Upstream Network Watershed (#/m2)	0.78		
Density of Crossings in Downstream Network Watershed (#/m2)	0.97		
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	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Historical	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	Historical		
# 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	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	38
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# 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	Fair

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf)