

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_PA00373** **WILLIAMS BRIDGE RESERVOIR**

Bay-wide Diadromous Tier	13
Bay-wide Resident Tier	8
Bay-wide Brook Trout Tier	19
NID ID	PA00373
State ID	PA00373
River Name	Stafford Meadow Brook
Dam Height (ft)	54
Dam Type	Earth / Masonry
Latitude	41.382
Longitude	-75.6235
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	City of Scranton-Lackawanna Riv
HUC 10	Lackawanna River
HUC 8	Upper Susquehanna-Lackawann
HUC 6	Upper Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.59	% Tree Cover in ARA of Upstream Network	88.73
% Natural Cover in Upstream Drainage Area	96.02	% Tree Cover in ARA of Downstream Network	36.41
% Forested in Upstream Drainage Area	84.05	% Herbaceous Cover in ARA of Upstream Network	5.64
% Agriculture in Upstream Drainage Area	0.39	% Herbaceous Cover in ARA of Downstream Network	5.24
% Natural Cover in ARA of Upstream Network	93.33	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	94.19	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	54.33	% Road Impervious in ARA of Upstream Network	1.2
% Forest Cover in ARA of Downstream Network	28.2	% Road Impervious in ARA of Downstream Network	1.01
% Agricultural Cover in ARA of Upstream Network	0.64	% Other Impervious in ARA of Upstream Network	0.52
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	0.25
% Impervious Surf in ARA of Upstream Network	0.92		
% Impervious Surf in ARA of Downstream Network	0.83		

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)	8.6	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	9.99	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.38	# Downstream Hydropower Dams	4
# Size Classes in Total Network	2	# Downstream Dams with Passage	5
# Upstream Network Size Classes	2	# of Downstream Barriers	9
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		0	
% Conserved Land in 100m Buffer of Downstream Network		0	
Density of Crossings in Upstream Network Watershed (#/m2)		0.75	
Density of Crossings in Downstream Network Watershed (#/m2)		0.25	
Density of off-channel dams in Upstream Network Watershed (#/m2)		0.08	
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		Stream Health	
Barrier is in EBTJV BKT Catchment	Yes	Chesapeake Bay Program Stream Health	FAIR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	37	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Fair
# Rare Mussel (HUC8)	2		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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