

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: PA_14-001		COLD STREAM	PHILIPSBURG NO 3 (UPPER DAM)	
Bay-wide Diadromous Tier	8			
Bay-wide Resident Tier	2			
Bay-wide Brook Trout Tier	7			
NID ID	PA00445			
State ID	14-001			
River Name	Cold Stream			
Dam Height (ft)	17			
Dam Type	Unknown			
Latitude	40.849			
Longitude	-78.2092			
Passage Facilities	None Documented			
Passage Year	N/A			
Size Class	1b: Creek (3.861 - 38.61 sq mi)			
HUC 12	Cold Stream			
HUC 10	Moshannon Creek			
HUC 8	Upper West Branch Susquehanna			
HUC 6	West Branch Susquehanna			
HUC 4	Susquehanna			

Landcover			
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.19	% Tree Cover in ARA of Upstream Network	93.82
% Natural Cover in Upstream Drainage Area	95.05	% Tree Cover in ARA of Downstream Network	93.31
% Forested in Upstream Drainage Area	93.94	% Herbaceous Cover in ARA of Upstream Network	5.28
% Agriculture in Upstream Drainage Area	0.71	% Herbaceous Cover in ARA of Downstream Network	4.47
% Natural Cover in ARA of Upstream Network	96.81	% Barren Cover in ARA of Upstream Network	0.05
% Natural Cover in ARA of Downstream Network	92.23	% Barren Cover in ARA of Downstream Network	0.35
% Forest Cover in ARA of Upstream Network	95.65	% Road Impervious in ARA of Upstream Network	0.13
% Forest Cover in ARA of Downstream Network	89.78	% Road Impervious in ARA of Downstream Network	0.24
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.01
% Agricultural Cover in ARA of Downstream Network	0.17	% Other Impervious in ARA of Downstream Network	0.31
% Impervious Surf in ARA of Upstream Network	0.11		
% Impervious Surf in ARA of Downstream Network	0.48		

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)	13.11	Upstream Size Class Gain (#)	0		
Total Functional Network (mi)	34.44	# Downstream Natural Barriers	0		
Absolute Gain (mi)	13.11	# Downstream Hydropower Dams	4		
# Size Classes in Total Network	2	# Downstream Dams with Passage	6		
# 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		61.44			
% Conserved Land in 100m Buffer of Downstream Network		65.58			
Density of Crossings in Upstream Network Watershed (#/m2)		0.08			
Density of Crossings in Downstream Network Watershed (#/m2)		0.17			
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	Current		
Presence of 1 or More Downstream Anadromous Species		None Docume			
# Diadromous Species Downstream (incl eel)		1			
Resident Fish			Stream Health		
Barrier is in EBTJV BKT Catchment	Yes	Chesapeake Bay Program Stream Health	EXCELLENT		
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)	29	VA INSTAR mIBI Stream Health	N/A		
# Rare Fish (HUC8)	1	PA IBI Stream Health	Fair		
# Rare Mussel (HUC8)	1				
# Rare Crayfish (HUC8)	0				

Metric descriptions can be found at:

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