

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_05-013** **PENCE**

Bay-wide Diadromous Tier	10
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	PA01324
State ID	05-013
River Name	Yellow Creek
Dam Height (ft)	13
Dam Type	Earth
Latitude	40.225
Longitude	-78.3691
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Upper Yellow Creek
HUC 10	Yellow Creek
HUC 8	Raystown
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.57	% Tree Cover in ARA of Upstream Network	38.62
% Natural Cover in Upstream Drainage Area	32.87	% Tree Cover in ARA of Downstream Network	29.67
% Forested in Upstream Drainage Area	32.73	% Herbaceous Cover in ARA of Upstream Network	57.41
% Agriculture in Upstream Drainage Area	58.31	% Herbaceous Cover in ARA of Downstream Network	60.63
% Natural Cover in ARA of Upstream Network	35.11	% Barren Cover in ARA of Upstream Network	0.6
% Natural Cover in ARA of Downstream Network	27.53	% Barren Cover in ARA of Downstream Network	0.23
% Forest Cover in ARA of Upstream Network	34.86	% Road Impervious in ARA of Upstream Network	1.31
% Forest Cover in ARA of Downstream Network	23.16	% Road Impervious in ARA of Downstream Network	2.63
% Agricultural Cover in ARA of Upstream Network	54.59	% Other Impervious in ARA of Upstream Network	1.72
% Agricultural Cover in ARA of Downstream Network	55.35	% Other Impervious in ARA of Downstream Network	4.07
% Impervious Surf in ARA of Upstream Network	1.72		
% Impervious Surf in ARA of Downstream Network	4.45		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_05-013**

PENCE

Network, System Type and Condition

Functional Upstream Network (mi)	28.35	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	32.69	# Downstream Natural Barriers	0
Absolute Gain (mi)	4.35	# Downstream Hydropower Dams	4
# Size Classes in Total Network	2	# Downstream Dams with Passage	5
# Upstream Network Size Classes	2	# of Downstream Barriers	8
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	13.83		
% Conserved Land in 100m Buffer of Downstream Network	6.97		
Density of Crossings in Upstream Network Watershed (#/m2)	1.93		
Density of Crossings in Downstream Network Watershed (#/m2)	2.12		
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	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	None Documented
Presence of 1 or More Downstream Anadromous Species	Historical		
# Diadromous Species Downstream (incl eel)	0		

Resident Fish

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	29
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	NO_SCORE
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-proto2/images/Metric_Glossary.pdf