

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_22-087** **OLD RELIANCE FARM DETENTION PON**

Diadromous Tier	10
Brook Trout Tier	N/A
Resident Tier	19
NID ID	
State ID	22-087
River Name	
Dam Height (ft)	16
Dam Type	Earth
Latitude	40.2431
Longitude	-76.7657
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Swatara Creek-Susquehanna Riv
HUC 10	Lower 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	0.04	% Tree Cover in ARA of Upstream Network	0
% Natural Cover in Upstream Drainage Area	0	% Tree Cover in ARA of Downstream Network	36.88
% Forested in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Upstream Network	0
% Agriculture in Upstream Drainage Area	98.73	% Herbaceous Cover in ARA of Downstream Network	20.37
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	50.92	% Barren Cover in ARA of Downstream Network	0.36
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	21.43	% Road Impervious in ARA of Downstream Network	1.82
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	11.86	% Other Impervious in ARA of Downstream Network	15.55
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	15.91		

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)	0.04	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	253.33	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.04	# Downstream Hydropower Dams	4
# Size Classes in Total Network	5	# Downstream Dams with Passage	4
# Upstream Network Size Classes	0	# of Downstream Barriers	4
NFHAP Cumulative Disturbance Index	High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	1.2		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	2.34		
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	Potential Current	Downstream Striped Bass	None Documented
Downstream Blueback	Potential Current	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	Potential Curre		
# 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	No
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	Poor

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