

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_05-079**      **LOWER RED OAKS**

Bay-wide Diadromous Tier	10
Bay-wide Resident Tier	14
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	05-079
River Name	
Dam Height (ft)	10
Dam Type	Earth
Latitude	39.9846
Longitude	-78.5183
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Shobers Run
HUC 10	Upper Raystown Branch Juniata
HUC 8	Raystown
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.22	% Tree Cover in ARA of Upstream Network	47.66
% Natural Cover in Upstream Drainage Area	94.38	% Tree Cover in ARA of Downstream Network	58.94
% Forested in Upstream Drainage Area	92.22	% Herbaceous Cover in ARA of Upstream Network	49.85
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	29.57
% Natural Cover in ARA of Upstream Network	72	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	66.7	% Barren Cover in ARA of Downstream Network	0.25
% Forest Cover in ARA of Upstream Network	36	% Road Impervious in ARA of Upstream Network	1.23
% Forest Cover in ARA of Downstream Network	57.52	% Road Impervious in ARA of Downstream Network	1.14
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.69
% Agricultural Cover in ARA of Downstream Network	23.08	% Other Impervious in ARA of Downstream Network	1.41
% Impervious Surf in ARA of Upstream Network	2.32		
% Impervious Surf in ARA of Downstream Network	1.58		

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)	0.07	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1691.59	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.07	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	5
# Upstream Network Size Classes	0	# of Downstream Barriers	6
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	9.8		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	1.41		
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
One or More DS Anadromous Species	Historical	# Diadromous Sp Dnstrm (incl eel)	0

## Resident Fish and Rare Species

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)	Yes
Native Fish Species Richness (HUC8)	29
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

## 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

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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