

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA\_703**

**LAFOON, WATKINS & PERRY DAM**

Bay-wide Diadromous Tier	11
Bay-wide Resident Tier	9
Bay-wide Brook Trout Tier	N/A
NID ID	VA04936
State ID	703
River Name	Green Creek
Dam Height (ft)	23
Dam Type	Earth
Latitude	37.3536
Longitude	-78.3691
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Angola Creek-Appomattox River
HUC 10	Big Guinea Creek-Appomattox Ri
HUC 8	Appomattox
HUC 6	James
HUC 4	Lower Chesapeake



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.35	% Tree Cover in ARA of Upstream Network	82.31
% Natural Cover in Upstream Drainage Area	77.19	% Tree Cover in ARA of Downstream Network	75
% Forested in Upstream Drainage Area	74.57	% Herbaceous Cover in ARA of Upstream Network	1.65
% Agriculture in Upstream Drainage Area	20.19	% Herbaceous Cover in ARA of Downstream Network	15.87
% Natural Cover in ARA of Upstream Network	98.8	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	82.42	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	81.93	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	66.42	% Road Impervious in ARA of Downstream Network	0.15
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	16.84	% Other Impervious in ARA of Downstream Network	0.73
% Impervious Surf in ARA of Upstream Network	0.01		
% Impervious Surf in ARA of Downstream Network	0.01		

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)	1.29	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	5.35	# Downsteam Natural Barriers	0
Absolute Gain (mi)	1.29	# Downstream Hydropower Dams	3
# Size Classes in Total Network	1	# Downstream Dams with Passage	3
# Upstream Network Size Classes	1	# of Downstream Barriers	4
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)		0.65	
Density of Crossings in Downstream Network Watershed (#/m2)		0.34	
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	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		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	POOR
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)	58	VA INSTAR mIBI Stream Health	Moderate
# Rare Fish (HUC8)	1	PA IBI Stream Health	N/A
# Rare Mussel (HUC8)	3		
# 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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