Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_PA00242** **LAKE GORDON**

Bay-wide Diadromous Tier	17
Bay-wide Resident Tier	3
Bay-wide Brook Trout Tier	N/A
NID ID	PA00242
State ID	PA00242
River Name	Evitts Creek
Dam Height (ft)	84
Dam Type	Gravity
Latitude	39.7478
Longitude	-78.6765
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Rocky Gap Run-Evitts Creek
HUC 10	Evitts Creek
HUC 8	North Branch Potomac
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.47
% Natural Cover in Upstream Drainage Area	80.96
% Forested in Upstream Drainage Area	79.46
% Agriculture in Upstream Drainage Area	13.53
% Natural Cover in ARA of Upstream Network	71.12
% Natural Cover in ARA of Downstream Network	70.65
% Forest Cover in ARA of Upstream Network	56.34
% Forest Cover in ARA of Downstream Network	67.9
% Agricultral Cover in ARA of Upstream Network	14.82
% Agricultral Cover in ARA of Downstream Network	20.89
% Impervious Surf in ARA of Upstream Network	1.13
% Impervious Surf in ARA of Downstream Network	1.1

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	62.95
% Tree Cover in ARA of Downstream Network	70.73
% Herbaceaous Cover in ARA of Upstream Network	23.51
% Herbaceaous Cover in ARA of Downstream Network	24.95
% Barren Cover in ARA of Upstream Network	0.18
% Barren Cover in ARA of Downstream Network	0.2
% Road Impervious in ARA of Upstream Network	0.87
% Road Impervious in ARA of Downstream Network	0.81
% Other Impervious in ARA of Upstream Network	0.62
% Other Impervious in ARA of Downstream Network	1.35

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)	18.19	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	7731.06	# Downsteam Natural Barriers	1
Absolute Gain (mi)	18.19	# Downstream Hydropower Dams	2
# Size Classes in Total Network	6	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	6

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	17.4
% Conserved Land in 100m Buffer of Downstream Network	13.88
Density of Crossings in Upstream Network Watershed (#/m2)	1.44
Density of Crossings in Downstream Network Watershed (#/m2)	1.14
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
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	1

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)	No
Native Fish Species Richness (HUC8)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# 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	Yes

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Poor

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

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