Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **VA_843** **EAST LEXINGTON DAM**

Bay-wide Diadromous Tier	9
Bay-wide Resident Tier	8
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	843
River Name	
Dam Height (ft)	0
Dam Type	
Latitude	37.7933
Longitude	-79.4286
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3a: Medium Tributary River (200
HUC 12	Mill Creek-Maury River
HUC 10	Middle Maury River
HUC 8	Maury
HUC 6	James
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.45
% Natural Cover in Upstream Drainage Area	77.31
% Forested in Upstream Drainage Area	76.54
% Agriculture in Upstream Drainage Area	17.63
% Natural Cover in ARA of Upstream Network	61.87
% Natural Cover in ARA of Downstream Network	30.7
% Forest Cover in ARA of Upstream Network	59.69
% Forest Cover in ARA of Downstream Network	28.87
% Agricultral Cover in ARA of Upstream Network	27.3
% Agricultral Cover in ARA of Downstream Network	35.08
% Impervious Surf in ARA of Upstream Network	0.98
% Impervious Surf in ARA of Downstream Network	7.98

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	70.68
% Tree Cover in ARA of Downstream Network	55.07
% Herbaceaous Cover in ARA of Upstream Network	25.77
% Herbaceaous Cover in ARA of Downstream Network	35.16
% Barren Cover in ARA of Upstream Network	0.02
% Barren Cover in ARA of Downstream Network	0.07
% Road Impervious in ARA of Upstream Network	1.14
% Road Impervious in ARA of Downstream Network	4.33
% Other Impervious in ARA of Upstream Network	0.78
% Other Impervious in ARA of Downstream Network	4.18

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)	1084.41	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	1140.33	# Downsteam Natural Barriers	0
Absolute Gain (mi)	55.92	# Downstream Hydropower Dams	9
# Size Classes in Total Network	4	# Downstream Dams with Passage	4
# Upstream Network Size Classes	4	# of Downstream Barriers	14

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	34.6
% Conserved Land in 100m Buffer of Downstream Network	6.22
Density of Crossings in Upstream Network Watershed (#/m2)	1.28
Density of Crossings in Downstream Network Watershed (#/m2)	3.39
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	Historical	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)	39
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# 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	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	High
PA IBI Stream Health	N/A

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

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