Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_SU012**

Diadromous Tier	13
Brook Trout Tier	N/A
Resident Tier	14
NID ID	
State ID	SU012
River Name	Elbow Branch
Dam Height (ft)	5
Dam Type	Unspecified Type
Latitude	39.5948
Longitude	-76.1831
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Lower Deer Creek
HUC 10	Deer Creek
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.54
% Natural Cover in Upstream Drainage Area	26.63
% Forested in Upstream Drainage Area	22.67
% Agriculture in Upstream Drainage Area	65.7
% Natural Cover in ARA of Upstream Network	35.95
% Natural Cover in ARA of Downstream Network	78
% Forest Cover in ARA of Upstream Network	25.32
% Forest Cover in ARA of Downstream Network	78
% Agricultral Cover in ARA of Upstream Network	43.54
% Agricultral Cover in ARA of Downstream Network	22
% Impervious Surf in ARA of Upstream Network	1
% Impervious Surf in ARA of Downstream Network	0

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	48.11
% Tree Cover in ARA of Downstream Network	62.31
% Herbaceaous Cover in ARA of Upstream Network	47.14
% Herbaceaous Cover in ARA of Downstream Network	37.68
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0
% Road Impervious in ARA of Upstream Network	1.41
% Road Impervious in ARA of Downstream Network	0
% Other Impervious in ARA of Upstream Network	3.34
% Other Impervious 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

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Network, System Type and Condition

Functional Upstream Network (mi)	1.84	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	2.03	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.19	# Downstream Hydropower Dams	0
# Size Classes in Total Network	1	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	24.79
% Conserved Land in 100m Buffer of Downstream Network	0
Density of Crossings in Upstream Network Watershed (#/m2)	1.12
Density of Crossings in Downstream Network Watershed (#/m2)	0
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	Current

Presence of 1 or More Downstream Anadromous Species	Historical
# 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)	53
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Good
MD MBSS Fish IBI Stream Health	Fair
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Insufficient Dat

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