Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_SU007** **EDEN MILL DAM**

Diadromous Tier	2
Brook Trout Tier	N/A
Resident Tier	3
NID ID	
State ID	SU007
River Name	Deer Creek
Dam Height (ft)	22
Dam Type	Unspecified Type
Latitude	39.6748
Longitude	-76.4522
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Upper 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	1.85
% Natural Cover in Upstream Drainage Area	36.63
% Forested in Upstream Drainage Area	32.63
% Agriculture in Upstream Drainage Area	51.16
% Natural Cover in ARA of Upstream Network	59.68
% Natural Cover in ARA of Downstream Network	57.74
% Forest Cover in ARA of Upstream Network	52.53
% Forest Cover in ARA of Downstream Network	49.55
% Agricultral Cover in ARA of Upstream Network	32.45
% Agricultral Cover in ARA of Downstream Network	35.97
% Impervious Surf in ARA of Upstream Network	0.81
% Impervious Surf in ARA of Downstream Network	0.38

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	62.73
% Tree Cover in ARA of Downstream Network	59.88
% Herbaceaous Cover in ARA of Upstream Network	34.27
% Herbaceaous Cover in ARA of Downstream Network	37.24
% Barren Cover in ARA of Upstream Network	0.05
% Barren Cover in ARA of Downstream Network	0.07
% Road Impervious in ARA of Upstream Network	0.75
% Road Impervious in ARA of Downstream Network	0.5
% Other Impervious in ARA of Upstream Network	1.3
% Other Impervious in ARA of Downstream Network	1.21

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)	116.51	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	282.1	# Downsteam Natural Barriers	0
Absolute Gain (mi)	116.51	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	1

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	16.91
% Conserved Land in 100m Buffer of Downstream Network	23.83
Density of Crossings in Upstream Network Watershed (#/m2)	1.08
Density of Crossings in Downstream Network Watershed (#/m2)	0.67
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	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Potential Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Potential Current	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	3

Resident Fish

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)	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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