Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_67-501** **DEER CREEK BUSINESS PARK**

Bay-wide Diadromous Tier	20
Bay-wide Resident Tier	16
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	67-501
River Name	Deer Creek
Dam Height (ft)	8
Dam Type	Earth
Latitude	39.7712
Longitude	-76.6633
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Headwaters 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	26
% Natural Cover in Upstream Drainage Area	2.34
% Forested in Upstream Drainage Area	1.38
% Agriculture in Upstream Drainage Area	20.48
% Natural Cover in ARA of Upstream Network	4.59
% Natural Cover in ARA of Downstream Network	59.68
% Forest Cover in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	52.53
% Agricultral Cover in ARA of Upstream Network	3.32
% Agricultral Cover in ARA of Downstream Network	32.45
% Impervious Surf in ARA of Upstream Network	38.31
% Impervious Surf in ARA of Downstream Network	0.81

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	21.32
% Tree Cover in ARA of Downstream Network	62.73
% Herbaceaous Cover in ARA of Upstream Network	36.13
% Herbaceaous Cover in ARA of Downstream Network	34.27
% Barren Cover in ARA of Upstream Network	2.39
% Barren Cover in ARA of Downstream Network	0.05
% Road Impervious in ARA of Upstream Network	15.45
% Road Impervious in ARA of Downstream Network	0.75
% Other Impervious in ARA of Upstream Network	23.62
% Other Impervious in ARA of Downstream Network	1.3

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)	0.8	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	117.31	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.8	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	0
% Conserved Land in 100m Buffer of Downstream Network	16.91
Density of Crossings in Upstream Network Watershed (#/m2)	3.57
Density of Crossings in Downstream Network Watershed (#/m2)	1.08
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

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
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

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 Data

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

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