Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12215** **SCULL FARM POND**

Diadromous Tier	18
Brook Trout Tier	N/A
Resident Tier	14
NID ID	MD00180
State ID	12215
River Name	
Dam Height (ft)	22
Dam Type	Earth
Latitude	38.8263
Longitude	-75.8946
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Jadwins Creek-Tuckahoe Creek
HUC 10	Tuckahoe Creek
HUC 8	Choptank
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.79
% Natural Cover in Upstream Drainage Area	19.28
% Forested in Upstream Drainage Area	12.15
% Agriculture in Upstream Drainage Area	75.32
% Natural Cover in ARA of Upstream Network	17.41
% Natural Cover in ARA of Downstream Network	40.43
% Forest Cover in ARA of Upstream Network	8.55
% Forest Cover in ARA of Downstream Network	11.12
% Agricultral Cover in ARA of Upstream Network	77.36
% Agricultral Cover in ARA of Downstream Network	51.16
% Impervious Surf in ARA of Upstream Network	0.94
% Impervious Surf in ARA of Downstream Network	1.57

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	15.88
% Tree Cover in ARA of Downstream Network	36.41
% Herbaceaous Cover in ARA of Upstream Network	79.39
% Herbaceaous Cover in ARA of Downstream Network	55.1
% Barren Cover in ARA of Upstream Network	0.1
% Barren Cover in ARA of Downstream Network	0.2
% Road Impervious in ARA of Upstream Network	1.23
% Road Impervious in ARA of Downstream Network	0.97
% Other Impervious in ARA of Upstream Network	0.75
% Other Impervious in ARA of Downstream Network	1.88

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)	2.5	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1344.68	# Downsteam Natural Barriers	0
Absolute Gain (mi)	2.5	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	6.53
% Conserved Land in 100m Buffer of Downstream Network	19.29
Density of Crossings in Upstream Network Watershed (#/m2)	0.73
Density of Crossings in Downstream Network Watershed (#/m2)	0.68
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	None Documented

Presence of 1 or More Downstream Anadromous Species	None Docume
# Diadromous Species Downstream (incl eel)	0

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)	43
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

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

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