Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_587532** **Starners Dam**

Bay-wide Diadromous Tier	6
Bay-wide Resident Tier	5
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	587532
River Name	Monocacy River
Dam Height (ft)	0
Dam Type	
Latitude	39.6985
Longitude	-77.2157
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Cattail Branch-Monocacy River
HUC 10	Upper Monocacy River
HUC 8	Monocacy
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	2.8
% Natural Cover in Upstream Drainage Area	29.93
% Forested in Upstream Drainage Area	22.89
% Agriculture in Upstream Drainage Area	56.59
% Natural Cover in ARA of Upstream Network	25.72
% Natural Cover in ARA of Downstream Network	43.71
% Forest Cover in ARA of Upstream Network	14.57
% Forest Cover in ARA of Downstream Network	30.17
% Agricultral Cover in ARA of Upstream Network	58.76
% Agricultral Cover in ARA of Downstream Network	38.99
% Impervious Surf in ARA of Upstream Network	3.69
% Impervious Surf in ARA of Downstream Network	3.98

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	30.76
% Tree Cover in ARA of Downstream Network	50.17
% Herbaceaous Cover in ARA of Upstream Network	62.51
% Herbaceaous Cover in ARA of Downstream Network	39.72
% Barren Cover in ARA of Upstream Network	0.27
% Barren Cover in ARA of Downstream Network	0.35
% Road Impervious in ARA of Upstream Network	1.55
% Road Impervious in ARA of Downstream Network	1.96
% Other Impervious in ARA of Upstream Network	3.75
% Other Impervious in ARA of Downstream Network	3.66

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_587532** **Starners Dam**

Network, System Type and Condition

Functional Upstream Network (mi)	249.44	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	3161.85	# Downsteam Natural Barriers	1
Absolute Gain (mi)	249.44	# Downstream Hydropower Dams	0
# Size Classes in Total Network	7	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	8.63
% Conserved Land in 100m Buffer of Downstream Network	19.33
Density of Crossings in Upstream Network Watershed (#/m2)	1.27
Density of Crossings in Downstream Network Watershed (#/m2)	1.35
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	Potential Current	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	Potential Curre
# 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	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes
Native Fish Species Richness (HUC8)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Fair
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	Poor

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy