Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_CI001** **RT 50 DAM** **Big Millpond**

Bay-wide Diadromous Tier	4
Bay-wide Resident Tier	10
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	CI001
River Name	Chicamacomico River
Dam Height (ft)	3
Dam Type	Unspecified Type
Latitude	38.5117
Longitude	-75.8795
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Chicamacomico River
HUC 10	Transquaking River
HUC 8	Tangier
HUC 6	Lower Chesapeake
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.6
% Natural Cover in Upstream Drainage Area	44.04
% Forested in Upstream Drainage Area	15.04
% Agriculture in Upstream Drainage Area	51.72
% Natural Cover in ARA of Upstream Network	50.5
% Natural Cover in ARA of Downstream Network	66.23
% Forest Cover in ARA of Upstream Network	16.52
% Forest Cover in ARA of Downstream Network	6.88
% Agricultral Cover in ARA of Upstream Network	46.15
% Agricultral Cover in ARA of Downstream Network	30.74
% Impervious Surf in ARA of Upstream Network	0.42
% Impervious Surf in ARA of Downstream Network	0.43

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	50
% Tree Cover in ARA of Downstream Network	40.03
% Herbaceaous Cover in ARA of Upstream Network	48.5
% Herbaceaous Cover in ARA of Downstream Network	51.61
% Barren Cover in ARA of Upstream Network	0.02
% Barren Cover in ARA of Downstream Network	0.01
% Road Impervious in ARA of Upstream Network	0.65
% Road Impervious in ARA of Downstream Network	0.48
% Other Impervious in ARA of Upstream Network	0.77
% Other Impervious in ARA of Downstream Network	0.5

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)	24.23	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	191.17	# Downsteam Natural Barriers	0
Absolute Gain (mi)	24.23	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Moderate
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	9.36
% Conserved Land in 100m Buffer of Downstream Network	41.13
Density of Crossings in Upstream Network Watershed (#/m2)	0.55
Density of Crossings in Downstream Network Watershed (#/m2)	0.25
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	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	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	31
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	VERY_POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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