Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_AN042**

Bay-wide Diadromous Tier	19
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	AN042
River Name	Paint Branch
Dam Height (ft)	1
Dam Type	Unknown
Latitude	39.1043
Longitude	-76.9762
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Paint Branch
HUC 10	Anacostia River
HUC 8	Middle Potomac-Anacostia-Occ
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	6.82
% Natural Cover in Upstream Drainage Area	23.29
% Forested in Upstream Drainage Area	21.28
% Agriculture in Upstream Drainage Area	26.21
% Natural Cover in ARA of Upstream Network	32.97
% Natural Cover in ARA of Downstream Network	45.39
% Forest Cover in ARA of Upstream Network	28.57
% Forest Cover in ARA of Downstream Network	31.91
% Agricultral Cover in ARA of Upstream Network	11.9
% Agricultral Cover in ARA of Downstream Network	0
% Impervious Surf in ARA of Upstream Network	6.55
% Impervious Surf in ARA of Downstream Network	6.17

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	69.25
% Tree Cover in ARA of Downstream Network	72.88
% Herbaceaous Cover in ARA of Upstream Network	21.99
% Herbaceaous Cover in ARA of Downstream Network	18.75
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0
% Road Impervious in ARA of Upstream Network	3.03
% Road Impervious in ARA of Downstream Network	1.71
% Other Impervious in ARA of Upstream Network	5.73
% Other Impervious in ARA of Downstream Network	6.66

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)	1.81	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	2.94	# Downsteam Natural Barriers	0
Absolute Gain (mi)	1.12	# Downstream Hydropower Dams	0
# Size Classes in Total Network	1	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	8

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	32.17
% Conserved Land in 100m Buffer of Downstream Network	38.01
Density of Crossings in Upstream Network Watershed (#/m2)	2.53
Density of Crossings in Downstream Network Watershed (#/m2)	1.19
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	Current

Presence of 1 or More Downstream Anadromous Species	Historical
# 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	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	62
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	5
# 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	Fair
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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