

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12227** **CRABBS BRANCH SWM FACILITY**

Bay-wide Diadromous Tier	20
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	MD00208
State ID	12227
River Name	Crabbs Branch
Dam Height (ft)	27
Dam Type	Earth
Latitude	39.1217
Longitude	-77.1584
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Upper Rock Creek
HUC 10	Rock Creek-Potomac River
HUC 8	Middle Potomac-Anacostia-Occ
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	30.9	% Tree Cover in ARA of Upstream Network	24.36
% Natural Cover in Upstream Drainage Area	16.76	% Tree Cover in ARA of Downstream Network	75.06
% Forested in Upstream Drainage Area	12.82	% Herbaceous Cover in ARA of Upstream Network	32.76
% Agriculture in Upstream Drainage Area	5.38	% Herbaceous Cover in ARA of Downstream Network	12.67
% Natural Cover in ARA of Upstream Network	5.02	% Barren Cover in ARA of Upstream Network	0.21
% Natural Cover in ARA of Downstream Network	51.25	% Barren Cover in ARA of Downstream Network	0.15
% Forest Cover in ARA of Upstream Network	2.39	% Road Impervious in ARA of Upstream Network	5.84
% Forest Cover in ARA of Downstream Network	44.85	% Road Impervious in ARA of Downstream Network	3.88
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	33.45
% Agricultural Cover in ARA of Downstream Network	1.06	% Other Impervious in ARA of Downstream Network	7.86
% Impervious Surf in ARA of Upstream Network	56.29		
% Impervious Surf in ARA of Downstream Network	11.09		

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)	1.07	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	66.7	# Downsteam Natural Barriers	0
Absolute Gain (mi)	1.07	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index		Very High	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		4.68	
% Conserved Land in 100m Buffer of Downstream Network		51.46	
Density of Crossings in Upstream Network Watershed (#/m2)		6.55	
Density of Crossings in Downstream Network Watershed (#/m2)		2.23	
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
One or More DS Anadromous Species	Historical	# Diadromous Sp Dnstrm (incl eel)	1
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	ERY_POOR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	Poor
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	Fair
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	Poor
Native Fish Species Richness (HUC8)	62	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	1	PA IBI Stream Health	N/A
# Rare Mussel (HUC8)	5		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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