

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_41-062**

CROOKS

Bay-wide Diadromous Tier **13**

Bay-wide Resident Tier **6**

Bay-wide Brook Trout Tier **N/A**

NID ID

State ID **41-062**

River Name **Mosquito Creek**

Dam Height (ft) **6**

Dam Type **Stone**

Latitude **41.2168**

Longitude **-77.0358**

Passage Facilities **None Documented**

Passage Year **N/A**

Size Class **1b: Creek (3.861 - 38.61 sq mi)**

HUC 12 **Mosquito Creek**

HUC 10 **West Branch Susquehanna River**

HUC 8 **Lower West Branch Susquehanna**

HUC 6 **West Branch Susquehanna**

HUC 4 **Susquehanna**



Landcover

NLCD (2011)

% Impervious Surface in Upstream Drainage Area	0.36
% Natural Cover in Upstream Drainage Area	91.78
% Forested in Upstream Drainage Area	90.11
% Agriculture in Upstream Drainage Area	4.78
% Natural Cover in ARA of Upstream Network	83.72
% Natural Cover in ARA of Downstream Network	71.46
% Forest Cover in ARA of Upstream Network	83.72
% Forest Cover in ARA of Downstream Network	63.46
% Agricultural Cover in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	18.38
% Impervious Surf in ARA of Upstream Network	0.75
% Impervious Surf in ARA of Downstream Network	2.27

Chesapeake Conservancy (2016)

% Tree Cover in ARA of Upstream Network	84.83
% Tree Cover in ARA of Downstream Network	68.74
% Herbaceous Cover in ARA of Upstream Network	9.09
% Herbaceous Cover in ARA of Downstream Network	23.35
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0.16
% Road Impervious in ARA of Upstream Network	2.08
% Road Impervious in ARA of Downstream Network	1.49
% Other Impervious in ARA of Upstream Network	2.07
% Other Impervious in ARA of Downstream Network	2.39

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)	2.37	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1960.89	# Downstream Natural Barriers	0
Absolute Gain (mi)	2.37	# Downstream Hydropower Dams	4
# Size Classes in Total Network	6	# Downstream Dams with Passage	6
# Upstream Network Size Classes	1	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	46.91		
% Conserved Land in 100m Buffer of Downstream Network	38.6		
Density of Crossings in Upstream Network Watershed (#/m2)	2.45		
Density of Crossings in Downstream Network Watershed (#/m2)	0.72		
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	Current
Presence of 1 or More Downstream Anadromous Species	None Documented		
# 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)	31
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

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

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