

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_21-009** **HEISHMANS MILL**

Bay-wide Diadromous Tier	1
Bay-wide Resident Tier	8
Bay-wide Brook Trout Tier	N/A
NID ID	PA01730
State ID	21-009
River Name	Conodoguinet Creek
Dam Height (ft)	10
Dam Type	Concrete
Latitude	40.2141
Longitude	-77.3151
Passage Facilities	None Documented
Passage Year	2004
Size Class	3a: Medium Tributary River (200
HUC 12	Big Spring Creek-Conodoguinet
HUC 10	Middle Conodoguinet Creek
HUC 8	Lower Susquehanna-Swatara
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	2.22	% Tree Cover in ARA of Upstream Network	48.01
% Natural Cover in Upstream Drainage Area	42.18	% Tree Cover in ARA of Downstream Network	45.46
% Forested in Upstream Drainage Area	40.74	% Herbaceous Cover in ARA of Upstream Network	46.57
% Agriculture in Upstream Drainage Area	47.34	% Herbaceous Cover in ARA of Downstream Network	47.86
% Natural Cover in ARA of Upstream Network	43.38	% Barren Cover in ARA of Upstream Network	0.44
% Natural Cover in ARA of Downstream Network	41.63	% Barren Cover in ARA of Downstream Network	0.41
% Forest Cover in ARA of Upstream Network	37.43	% Road Impervious in ARA of Upstream Network	1.3
% Forest Cover in ARA of Downstream Network	29.92	% Road Impervious in ARA of Downstream Network	1.18
% Agricultural Cover in ARA of Upstream Network	45.66	% Other Impervious in ARA of Upstream Network	2.21
% Agricultural Cover in ARA of Downstream Network	46.69	% Other Impervious in ARA of Downstream Network	2.09
% Impervious Surf in ARA of Upstream Network	2.15		
% Impervious Surf in ARA of Downstream Network	1.95		

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)	514.33	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	579.41	# Downstream Natural Barriers	0
Absolute Gain (mi)	65.08	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	6
# Upstream Network Size Classes	4	# of Downstream Barriers	6
NFHAP Cumulative Disturbance Index	High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	5.59		
% Conserved Land in 100m Buffer of Downstream Network	0.21		
Density of Crossings in Upstream Network Watershed (#/m2)	1.35		
Density of Crossings in Downstream Network Watershed (#/m2)	0.69		
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	Potential Current	Downstream Striped Bass	None Documented
Downstream Blueback	Potential Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	2

Resident Fish and Rare Species

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)	38
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	POOR
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	Fair
Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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