Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_36-196** **SNAVELYS MILL**

Diadromous Tier	11
Brook Trout Tier	N/A
Resident Tier	14
NID ID	
State ID	36-196
River Name	Chiques Creek
Dam Height (ft)	4
Dam Type	Stone
Latitude	40.1327
Longitude	-76.4045
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Lower Chickies Creek
HUC 10	Chickies Creek
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	5.78
% Natural Cover in Upstream Drainage Area	31.92
% Forested in Upstream Drainage Area	27.23
% Agriculture in Upstream Drainage Area	48.18
% Natural Cover in ARA of Upstream Network	17.38
% Natural Cover in ARA of Downstream Network	8.52
% Forest Cover in ARA of Upstream Network	11.41
% Forest Cover in ARA of Downstream Network	6.56
% Agricultral Cover in ARA of Upstream Network	53.11
% Agricultral Cover in ARA of Downstream Network	75.56
% Impervious Surf in ARA of Upstream Network	10.47
% Impervious Surf in ARA of Downstream Network	4.35

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	19.83
% Tree Cover in ARA of Downstream Network	11.12
% Herbaceaous Cover in ARA of Upstream Network	64.89
% Herbaceaous Cover in ARA of Downstream Network	81.94
% Barren Cover in ARA of Upstream Network	0.95
% Barren Cover in ARA of Downstream Network	0.39
% Road Impervious in ARA of Upstream Network	1.58
% Road Impervious in ARA of Downstream Network	1.47
% Other Impervious in ARA of Upstream Network	11.47
% Other Impervious in ARA of Downstream Network	4.5

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)	31.56	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	45	# Downsteam Natural Barriers	0
Absolute Gain (mi)	13.44	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	3
# Upstream Network Size Classes	3	# of Downstream Barriers	7

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	0
% Conserved Land in 100m Buffer of Downstream Network	0
Density of Crossings in Upstream Network Watershed (#/m2)	1.06
Density of Crossings in Downstream Network Watershed (#/m2)	0.58
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)	53
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

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	Poor

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