Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_1213616** **Curwensville Dam**

Bay-wide Diadromous Tier	7
Bay-wide Resident Tier	7
Bay-wide Brook Trout Tier	N/A
NID ID	PA00003
State ID	1213616
River Name	West Branch Susquehanna River
Dam Height (ft)	131
Dam Type	
Latitude	40.9546
Longitude	-78.5274
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3a: Medium Tributary River (200
HUC 12	Curwensville Dam-West Branch
HUC 10	Upper West Branch Susquehann
HUC 8	Upper West Branch Susquehann
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.65
% Natural Cover in Upstream Drainage Area	73.89
% Forested in Upstream Drainage Area	71.46
% Agriculture in Upstream Drainage Area	18.81
% Natural Cover in ARA of Upstream Network	82.72
% Natural Cover in ARA of Downstream Network	67.02
% Forest Cover in ARA of Upstream Network	79.47
% Forest Cover in ARA of Downstream Network	64.66
% Agricultral Cover in ARA of Upstream Network	6.67
% Agricultral Cover in ARA of Downstream Network	19.81
% Impervious Surf in ARA of Upstream Network	1.17
% Impervious Surf in ARA of Downstream Network	2.64

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	75.04
% Tree Cover in ARA of Downstream Network	66.2
% Herbaceaous Cover in ARA of Upstream Network	18.45
% Herbaceaous Cover in ARA of Downstream Network	24.34
% Barren Cover in ARA of Upstream Network	0.47
% Barren Cover in ARA of Downstream Network	0
% Road Impervious in ARA of Upstream Network	1.02
% Road Impervious in ARA of Downstream Network	1.57
% Other Impervious in ARA of Upstream Network	1.65
% Other Impervious in ARA of Downstream Network	4.26

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)	589.1	Upstream Size Class Gain (#)	2
Total Functional Network (mi)	592.42	# Downsteam Natural Barriers	0
Absolute Gain (mi)	3.32	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	6
# Upstream Network Size Classes	4	# of Downstream Barriers	11

NFHAP Cumulative Disturbance Index	Moderate
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	10.79
% Conserved Land in 100m Buffer of Downstream Network	0
Density of Crossings in Upstream Network Watershed (#/m2)	0.98
Density of Crossings in Downstream Network Watershed (#/m2)	1.57
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	Historical	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	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	29
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	VERY_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

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