Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_36-211** **CONOWINGO DAM**

Bay-wide Diadromous Tier	1
Bay-wide Resident Tier	1
Bay-wide Brook Trout Tier	N/A
NID ID	MD00097
State ID	36-211
River Name	Susquehanna River
Dam Height (ft)	94
Dam Type	Concrete/Gravity
Latitude	39.6612
Longitude	-76.1732
Passage Facilities	Fish Lift
Passage Year	1991
Size Class	5: Great River (>9,653 sq mi)
HUC 12	Rock Run-Susquehanna River
HUC 10	Susquehanna River
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna




Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.77
% Natural Cover in Upstream Drainage Area	66.66
% Forested in Upstream Drainage Area	61.05
% Agriculture in Upstream Drainage Area	25.1
% Natural Cover in ARA of Upstream Network	74.81
% Natural Cover in ARA of Downstream Network	75.06
% Forest Cover in ARA of Upstream Network	28.95
% Forest Cover in ARA of Downstream Network	38.03
% Agricultral Cover in ARA of Upstream Network	20.6
% Agricultral Cover in ARA of Downstream Network	12.8
% Impervious Surf in ARA of Upstream Network	0.59
% Impervious Surf in ARA of Downstream Network	2.26

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	34.61
% Tree Cover in ARA of Downstream Network	52.56
% Herbaceaous Cover in ARA of Upstream Network	22.82
% Herbaceaous Cover in ARA of Downstream Network	16.12
% Barren Cover in ARA of Upstream Network	0.34
% Barren Cover in ARA of Downstream Network	0.85
% Road Impervious in ARA of Upstream Network	0.51
% Road Impervious in ARA of Downstream Network	1.06
% Other Impervious in ARA of Upstream Network	1.48
% Other Impervious in ARA of Downstream Network	2.45

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_36-211** **CONOWINGO DAM**

Network, System Type and Condition

Functional Upstream Network (mi)	177.67	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	329.87	# Downsteam Natural Barriers	0
Absolute Gain (mi)	152.21	# Downstream Hydropower Dams	0
# Size Classes in Total Network	5	# Downstream Dams with Passage	0
# Upstream Network Size Classes	4	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	2.58
% Conserved Land in 100m Buffer of Downstream Network	16.51
Density of Crossings in Upstream Network Watershed (#/m2)	0.65
Density of Crossings in Downstream Network Watershed (#/m2)	0.97
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	Current	Downstream Striped Bass	Current
Downstream Blueback	Current	Downstream Atlantic Sturgeon	Current
Downstream American Shad	Current	Downstream Shortnose Sturgeon	Current
Downstream Hickory Shad	Current	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	8

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)	53
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

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

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy