Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_36-008** **PINE GROVE**

Diadromous Tier	3
Brook Trout Tier	N/A
Resident Tier	7
NID ID	PA00023
State ID	36-008
River Name	Octoraro Creek
Dam Height (ft)	52
Dam Type	Stone
Latitude	39.7974
Longitude	-76.0418
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Tweed Creek-Octoraro Creek
HUC 10	Octoraro Creek
HUC 8	Lower Susquehanna
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.37
% Natural Cover in Upstream Drainage Area	22.92
% Forested in Upstream Drainage Area	18.36
% Agriculture in Upstream Drainage Area	67.62
% Natural Cover in ARA of Upstream Network	43.28
% Natural Cover in ARA of Downstream Network	42.34
% Forest Cover in ARA of Upstream Network	30.02
% Forest Cover in ARA of Downstream Network	31.22
% Agricultral Cover in ARA of Upstream Network	49.91
% Agricultral Cover in ARA of Downstream Network	45.52
% Impervious Surf in ARA of Upstream Network	0.84
% Impervious Surf in ARA of Downstream Network	1.59

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	41.12
% Tree Cover in ARA of Downstream Network	48.17
% Herbaceaous Cover in ARA of Upstream Network	51.99
% Herbaceaous Cover in ARA of Downstream Network	45.61
% Barren Cover in ARA of Upstream Network	0.26
% Barren Cover in ARA of Downstream Network	0.47
% Road Impervious in ARA of Upstream Network	0.77
% Road Impervious in ARA of Downstream Network	1.24
% Other Impervious in ARA of Upstream Network	1.56
% Other Impervious in ARA of Downstream Network	2.23

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: **PA_36-008** **PINE GROVE**

Network, System Type and Condition

Functional Upstream Network (mi)	167.99	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	198.31	# Downsteam Natural Barriers	0
Absolute Gain (mi)	30.32	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	3	# of Downstream Barriers	1

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	2.69
% Conserved Land in 100m Buffer of Downstream Network	0.3
Density of Crossings in Upstream Network Watershed (#/m2)	0.85
Density of Crossings in Downstream Network Watershed (#/m2)	1.49
Density of off-channel dams in Upstream Network Watershed (#/m2)	0.01
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.02

Diadromous Fish

Downstream Alewife	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Current	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	Current
# Diadromous Species Downstream (incl eel)	2

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	POOR
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	Fair

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

The Nature Conservancy