

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_14-129** **GRAYS CHURCH POND**

Diadromous Tier	16
Brook Trout Tier	N/A
Resident Tier	14
NID ID	
State ID	14-129
River Name	
Dam Height (ft)	15.5
Dam Type	Earth
Latitude	40.8147
Longitude	-77.9767
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Buffalo Run
HUC 10	Spring Creek
HUC 8	Bald Eagle
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.37	% Tree Cover in ARA of Upstream Network	40.53
% Natural Cover in Upstream Drainage Area	47.94	% Tree Cover in ARA of Downstream Network	62.48
% Forested in Upstream Drainage Area	47.87	% Herbaceous Cover in ARA of Upstream Network	51.02
% Agriculture in Upstream Drainage Area	39.41	% Herbaceous Cover in ARA of Downstream Network	27.48
% Natural Cover in ARA of Upstream Network	24.02	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	66.19	% Barren Cover in ARA of Downstream Network	0.35
% Forest Cover in ARA of Upstream Network	21.65	% Road Impervious in ARA of Upstream Network	0.97
% Forest Cover in ARA of Downstream Network	59.57	% Road Impervious in ARA of Downstream Network	1.8
% Agricultural Cover in ARA of Upstream Network	47.24	% Other Impervious in ARA of Upstream Network	2.15
% Agricultural Cover in ARA of Downstream Network	17.96	% Other Impervious in ARA of Downstream Network	2
% Impervious Surf in ARA of Upstream Network	2.34		
% Impervious Surf in ARA of Downstream Network	3.12		

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)	1.72	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	435.48	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.72	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	7
# Upstream Network Size Classes	1	# of Downstream Barriers	9
NFHAP Cumulative Disturbance Index	High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	17.33		
% Conserved Land in 100m Buffer of Downstream Network	14.96		
Density of Crossings in Upstream Network Watershed (#/m2)	0.92		
Density of Crossings in Downstream Network Watershed (#/m2)	1.34		
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented
Presence of 1 or More Downstream Anadromous Species	None Docume		
# Diadromous Species Downstream (incl eel)	0		

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)	Yes
Native Fish Species Richness (HUC8)	35
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	GOOD
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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