

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12136** **TUCKAHOE STATE PARK DAM**

Diadromous Tier	1
Brook Trout Tier	N/A
Resident Tier	6
NID ID	MD00149
State ID	12136
River Name	Tuckahoe Creek
Dam Height (ft)	14
Dam Type	Earth
Latitude	38.9675
Longitude	-75.9426
Passage Facilities	Denil
Passage Year	1993
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Norwich Creek-Tuckahoe Creek
HUC 10	Tuckahoe Creek
HUC 8	Choptank
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.4	% Tree Cover in ARA of Upstream Network	34.86
% Natural Cover in Upstream Drainage Area	30.73	% Tree Cover in ARA of Downstream Network	36.41
% Forested in Upstream Drainage Area	11.76	% Herbaceous Cover in ARA of Upstream Network	62.5
% Agriculture in Upstream Drainage Area	64.82	% Herbaceous Cover in ARA of Downstream Network	55.1
% Natural Cover in ARA of Upstream Network	32.6	% Barren Cover in ARA of Upstream Network	0.4
% Natural Cover in ARA of Downstream Network	40.43	% Barren Cover in ARA of Downstream Network	0.2
% Forest Cover in ARA of Upstream Network	12.44	% Road Impervious in ARA of Upstream Network	0.7
% Forest Cover in ARA of Downstream Network	11.12	% Road Impervious in ARA of Downstream Network	0.97
% Agricultural Cover in ARA of Upstream Network	63.08	% Other Impervious in ARA of Upstream Network	0.91
% Agricultural Cover in ARA of Downstream Network	51.16	% Other Impervious in ARA of Downstream Network	1.88
% Impervious Surf in ARA of Upstream Network	0.4		
% Impervious Surf in ARA of Downstream Network	1.57		

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)	225.7	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1567.87	# Downstream Natural Barriers	0
Absolute Gain (mi)	225.7	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	3	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	19.29		
Density of Crossings in Upstream Network Watershed (#/m2)	0.64		
Density of Crossings in Downstream Network Watershed (#/m2)	0.68		
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	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	5		

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)	43
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# 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	Good
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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