

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_MDE304** Charles Mill Dam

Diadromous Tier	18
Brook Trout Tier	N/A
Resident Tier	10
NID ID	
State ID	MDE304
River Name	Little Conococheague Creek
Dam Height (ft)	0
Dam Type	
Latitude	0
Longitude	0
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Little Conococheague Creek
HUC 10	Rocky Marsh Run-Potomac Rive
HUC 8	Conococheague-Opequon
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.41	% Tree Cover in ARA of Upstream Network	41.14
% Natural Cover in Upstream Drainage Area	46.08	% Tree Cover in ARA of Downstream Network	42.66
% Forested in Upstream Drainage Area	45.08	% Herbaceous Cover in ARA of Upstream Network	53.44
% Agriculture in Upstream Drainage Area	45.58	% Herbaceous Cover in ARA of Downstream Network	28.88
% Natural Cover in ARA of Upstream Network	28.95	% Barren Cover in ARA of Upstream Network	0.03
% Natural Cover in ARA of Downstream Network	56.86	% Barren Cover in ARA of Downstream Network	0.68
% Forest Cover in ARA of Upstream Network	26.02	% Road Impervious in ARA of Upstream Network	1.08
% Forest Cover in ARA of Downstream Network	25.13	% Road Impervious in ARA of Downstream Network	1.45
% Agricultural Cover in ARA of Upstream Network	59.14	% Other Impervious in ARA of Upstream Network	2.46
% Agricultural Cover in ARA of Downstream Network	26.7	% Other Impervious in ARA of Downstream Network	5.08
% Impervious Surf in ARA of Upstream Network	2.13		
% Impervious Surf in ARA of Downstream Network	5.27		

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)	27.66	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	69.75	# Downstream Natural Barriers	1
Absolute Gain (mi)	27.66	# Downstream Hydropower Dams	1
# Size Classes in Total Network	4	# Downstream Dams with Passage	1
# Upstream Network Size Classes	2	# of Downstream Barriers	5
NFHAP Cumulative Disturbance Index	High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	12.33		
% Conserved Land in 100m Buffer of Downstream Network	12.87		
Density of Crossings in Upstream Network Watershed (#/m2)	1.71		
Density of Crossings in Downstream Network Watershed (#/m2)	1.39		
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	Current
Presence of 1 or More Downstream Anadromous Species	None Docume		
# 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	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	42
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	5
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Insufficient Dat

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