Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_MDE224** **Otterdale Dam**

Bay-wide Diadromous Tier	17
Bay-wide Resident Tier	5
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	MDE224
River Name	Big Pipe Creek
Dam Height (ft)	0
Dam Type	
Latitude	0
Longitude	0
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Lower Big Pipe Creek-Double Pip
HUC 10	Double Pipe Creek
HUC 8	Monocacy
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	1.22
% Natural Cover in Upstream Drainage Area	31.12
% Forested in Upstream Drainage Area	27.1
% Agriculture in Upstream Drainage Area	59.89
% Natural Cover in ARA of Upstream Network	37.7
% Natural Cover in ARA of Downstream Network	43.71
% Forest Cover in ARA of Upstream Network	25.64
% Forest Cover in ARA of Downstream Network	30.17
% Agricultral Cover in ARA of Upstream Network	53.64
% Agricultral Cover in ARA of Downstream Network	38.99
% Impervious Surf in ARA of Upstream Network	1.1
% Impervious Surf in ARA of Downstream Network	3.98

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	48.16
% Tree Cover in ARA of Downstream Network	50.17
% Herbaceaous Cover in ARA of Upstream Network	49.01
% Herbaceaous Cover in ARA of Downstream Network	39.72
% Barren Cover in ARA of Upstream Network	0.01
% Barren Cover in ARA of Downstream Network	0.35
% Road Impervious in ARA of Upstream Network	0.78
% Road Impervious in ARA of Downstream Network	1.96
% Other Impervious in ARA of Upstream Network	1.47
% Other Impervious in ARA of Downstream Network	3.66

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)	135.45	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	3047.86	# Downsteam Natural Barriers	1
Absolute Gain (mi)	135.45	# Downstream Hydropower Dams	0
# Size Classes in Total Network	7	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	2

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	29.6
% Conserved Land in 100m Buffer of Downstream Network	19.33
Density of Crossings in Upstream Network Watershed (#/m2)	1.17
Density of Crossings in Downstream Network Watershed (#/m2)	1.35
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	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes
Native Fish Species Richness (HUC8)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

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

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