## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: MD\_MDE224 Otterdale Dam

Diadromous Tier 17

Brook Trout Tier N/A

Resident Tier 5

NID ID

State ID MDE224

River Name Big Pipe Creek

Dam Height (ft) 0

Dam Type

Latitude 0

Longitude 0

Passage Facilities None Documented

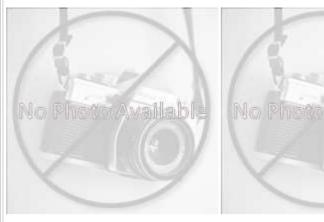
Passage Year N/A

Size Class 2: Small River (38.61 - 200 sq mi

HUC 12 Lower Big Pipe Creek-Double Pi

HUC 10 Double Pipe Creek

HUC 8 Monocacy
HUC 6 Potomac
HUC 4 Potomac







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.22	% Tree Cover in ARA of Upstream Network	48.16
% Natural Cover in Upstream Drainage Area	31.12	% Tree Cover in ARA of Downstream Network	50.17
% Forested in Upstream Drainage Area	27.1	% Herbaceaous Cover in ARA of Upstream Network	49.01
% Agriculture in Upstream Drainage Area	59.89	% Herbaceaous Cover in ARA of Downstream Network	39.72
% Natural Cover in ARA of Upstream Network	37.7	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	43.71	% Barren Cover in ARA of Downstream Network	0.35
% Forest Cover in ARA of Upstream Network	25.64	% Road Impervious in ARA of Upstream Network	0.78
% Forest Cover in ARA of Downstream Network	30.17	% Road Impervious in ARA of Downstream Network	1.96
% Agricultral Cover in ARA of Upstream Network	53.64	% Other Impervious in ARA of Upstream Network	1.47
% Agricultral Cover in ARA of Downstream Network	38.99	% Other Impervious in ARA of Downstream Network	3.66
% Impervious Surf in ARA of Upstream Network	1.1		
% Impervious Surf in ARA of Downstream Network	3.98		



## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: MD\_MDE224 Otterdale Dam

CFPPP Unique ID: MD_MDE22	24 Otterdale Dam						
	Network, Sy	/stem	Type and Co	ndition			
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	e 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 (#/m			2)	1.17			
Density of Crossings in Downsti	ream Network Watersl	hed (#	<sup>2</sup> /m2)	1.35			
Density of off-channel dams in	Upstream Network Wa	atersh	ed (#/m2)	0			
Density of off-channel dams in	Downstream Network	Wate	rshed (#/m2	) 0			
	[	Diadro	mous Fish				
ownstream Alewife None Documented		Downstream Striped Bass None Doc			umented		
Downstream Blueback None Documented		Downstream Atlantic Sturgeon None Doc			umented		
Downstream American Shad	None Documented		Downstrear	n Shortnose Sturgeon	None Doc	umented	
Downstream Hickory Shad	None Documented		Downstrear	n American Eel	Current		
Presence of 1 or More Downst	ream Anadromous Spe	ecies	None Docur	ne			
# Diadromous Species Downstr	ream (incl eel)		1				
Resident Fish				Stream Health			
Barrier is in EBTJV BKT Catchment No		No	Chesa	Chesapeake Bay Program Stream Health VERY_POOR			
Barrier is in Modeled BKT Catchment (DeWeber)		No	MDN	MD MBSS Benthic IBI Stream Health		Poor	
Barrier Blocks an EBTJV Catchment Y		Yes	MDN	MD MBSS Fish IBI Stream Health		Fair	
Barrier Blocks a Modeled BKT Catchment (DeWeber) Yes		Yes	MDN	MD MBSS Combined IBI Stream Health		Poor	
Native Fish Species Richness (HUC8) 36		36	VA IN	VA INSTAR mIBI Stream Health		N/A	
# Rare Fish (HUC8) 0		0	PA IBI	PA IBI Stream Health		N/A	
						•	
# Rare Mussel (HUC8)		3					

