Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_BU016** **VAN BIBBER DAM**

Diadromous Tier	3
Brook Trout Tier	N/A
Resident Tier	9
NID ID	
State ID	BU016
River Name	Otter Point Creek
Dam Height (ft)	2
Dam Type	
Latitude	39.4686
Longitude	-76.3348
Passage Facilities	Denil
Passage Year	1990
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Bush River
HUC 10	Winters Run-Bush River
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	7.05
% Natural Cover in Upstream Drainage Area	38.6
% Forested in Upstream Drainage Area	35.41
% Agriculture in Upstream Drainage Area	26.71
% Natural Cover in ARA of Upstream Network	57.12
% Natural Cover in ARA of Downstream Network	66.98
% Forest Cover in ARA of Upstream Network	48.53
% Forest Cover in ARA of Downstream Network	30.33
% Agricultral Cover in ARA of Upstream Network	4.16
% Agricultral Cover in ARA of Downstream Network	8
% Impervious Surf in ARA of Upstream Network	9.7
% Impervious Surf in ARA of Downstream Network	7.06

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	64.26
% Tree Cover in ARA of Downstream Network	47.76
% Herbaceaous Cover in ARA of Upstream Network	20.78
% Herbaceaous Cover in ARA of Downstream Network	32.81
% Barren Cover in ARA of Upstream Network	0.59
% Barren Cover in ARA of Downstream Network	0.39
% Road Impervious in ARA of Upstream Network	3.26
% Road Impervious in ARA of Downstream Network	1.84
% Other Impervious in ARA of Upstream Network	9.37
% Other Impervious in ARA of Downstream Network	6.64

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)	22.2	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	174.87	# Downsteam Natural Barriers	0
Absolute Gain (mi)	22.2	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	13.56
% Conserved Land in 100m Buffer of Downstream Network	15.56
Density of Crossings in Upstream Network Watershed (#/m2)	2.33
Density of Crossings in Downstream Network Watershed (#/m2)	0.77
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)	52
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# 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	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

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