Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12073** **BLAIRS VALLEY DAM**

Diadromous Tier	17
Brook Trout Tier	N/A
Resident Tier	12
NID ID	MD00061
State ID	12073
River Name	Little Conococheague Creek
Dam Height (ft)	34
Dam Type	Earth
Latitude	39.6961
Longitude	-77.9416
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 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)	
% Impervious Surface in Upstream Drainage Area	0.22
% Natural Cover in Upstream Drainage Area	86.9
% Forested in Upstream Drainage Area	85.21
% Agriculture in Upstream Drainage Area	10.86
% Natural Cover in ARA of Upstream Network	72.49
% Natural Cover in ARA of Downstream Network	28.95
% Forest Cover in ARA of Upstream Network	64.41
% Forest Cover in ARA of Downstream Network	26.02
% Agricultral Cover in ARA of Upstream Network	18.9
% Agricultral Cover in ARA of Downstream Network	59.14
% Impervious Surf in ARA of Upstream Network	0.97
% Impervious Surf in ARA of Downstream Network	2.13

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	64.47
% Tree Cover in ARA of Downstream Network	41.14
% Herbaceaous Cover in ARA of Upstream Network	26.36
% Herbaceaous Cover in ARA of Downstream Network	53.44
% Barren Cover in ARA of Upstream Network	0.01
% Barren Cover in ARA of Downstream Network	0.03
% Road Impervious in ARA of Upstream Network	1.12
% Road Impervious in ARA of Downstream Network	1.08
% Other Impervious in ARA of Upstream Network	0.8
% Other Impervious in ARA of Downstream Network	2.46

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)	9.43	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	37.09	# Downsteam Natural Barriers	1
Absolute Gain (mi)	9.43	# Downstream Hydropower Dams	1
# Size Classes in Total Network	2	# Downstream Dams with Passage	1
# Upstream Network Size Classes	1	# of Downstream Barriers	6

NFHAP Cumulative Disturbance Index	Moderate
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	59.14
% Conserved Land in 100m Buffer of Downstream Network	12.33
Density of Crossings in Upstream Network Watershed (#/m2)	0.48
Density of Crossings in Downstream Network Watershed (#/m2)	1.71
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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