Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_PA00005** **FOSTER JOSEPH SAYERS DAM**

Diadromous Tier	2
Brook Trout Tier	N/A
Resident Tier	2
NID ID	PA00005
State ID	PA00005
River Name	Bald Eagle Creek
Dam Height (ft)	100
Dam Type	Earth
Latitude	41.0485
Longitude	-77.6097
Passage Facilities	None Documented
Passage Year	N/A
Size Class	3a: Medium Tributary River (200
HUC 12	Lick Run-Bald Eagle Creek
HUC 10	Bald Eagle Creek
HUC 8	Bald Eagle
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	3.28
% Natural Cover in Upstream Drainage Area	63.69
% Forested in Upstream Drainage Area	62.29
% Agriculture in Upstream Drainage Area	22.03
% Natural Cover in ARA of Upstream Network	66.19
% Natural Cover in ARA of Downstream Network	83.37
% Forest Cover in ARA of Upstream Network	59.57
% Forest Cover in ARA of Downstream Network	82.07
% Agricultral Cover in ARA of Upstream Network	17.96
% Agricultral Cover in ARA of Downstream Network	9.07
% Impervious Surf in ARA of Upstream Network	3.12
% Impervious Surf in ARA of Downstream Network	0.7

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	62.48
% Tree Cover in ARA of Downstream Network	81.7
% Herbaceaous Cover in ARA of Upstream Network	27.48
% Herbaceaous Cover in ARA of Downstream Network	14.6
% Barren Cover in ARA of Upstream Network	0.35
% Barren Cover in ARA of Downstream Network	0.23
% Road Impervious in ARA of Upstream Network	1.8
% Road Impervious in ARA of Downstream Network	0.69
% Other Impervious in ARA of Upstream Network	2
% Other Impervious in ARA of Downstream Network	0.8

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)	433.76	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	850.34	# Downsteam Natural Barriers	0
Absolute Gain (mi)	416.58	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	7
# Upstream Network Size Classes	4	# of Downstream Barriers	8

NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	14.96
% Conserved Land in 100m Buffer of Downstream Network	38.44
Density of Crossings in Upstream Network Watershed (#/m2)	1.34
Density of Crossings in Downstream Network Watershed (#/m2)	0.64
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	Potential Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Potential Curre
# 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)	35
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	GOOD
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Good

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