Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_14-033** **ROCK**

Bay-wide Diadromous Tier	7
Bay-wide Resident Tier	7
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	14-033
River Name	Spring Creek
Dam Height (ft)	6
Dam Type	Timber Crib
Latitude	40.8514
Longitude	-77.8217
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Spring Creek-Bald Eagle Creek
HUC 10	Spring Creek
HUC 8	Bald Eagle
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	7.51
% Natural Cover in Upstream Drainage Area	37.39
% Forested in Upstream Drainage Area	36.98
% Agriculture in Upstream Drainage Area	34.08
% Natural Cover in ARA of Upstream Network	35.35
% Natural Cover in ARA of Downstream Network	66.19
% Forest Cover in ARA of Upstream Network	34.14
% Forest Cover in ARA of Downstream Network	59.57
% Agricultral Cover in ARA of Upstream Network	31.62
% Agricultral Cover in ARA of Downstream Network	17.96
% Impervious Surf in ARA of Upstream Network	7.47
% Impervious Surf in ARA of Downstream Network	3.12

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	43.93
% Tree Cover in ARA of Downstream Network	62.48
% Herbaceaous Cover in ARA of Upstream Network	46.86
% Herbaceaous Cover in ARA of Downstream Network	27.48
% Barren Cover in ARA of Upstream Network	0.39
% Barren Cover in ARA of Downstream Network	0.35
% Road Impervious in ARA of Upstream Network	3.84
% Road Impervious in ARA of Downstream Network	1.8
% Other Impervious in ARA of Upstream Network	4.31
% Other Impervious in ARA of Downstream Network	2

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)	87.02	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	520.78	# Downsteam Natural Barriers	0
Absolute Gain (mi)	87.02	# Downstream Hydropower Dams	4
# Size Classes in Total Network	4	# Downstream Dams with Passage	7
# Upstream Network Size Classes	3	# of Downstream Barriers	9

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	8.46
% Conserved Land in 100m Buffer of Downstream Network	14.96
Density of Crossings in Upstream Network Watershed (#/m2)	1.77
Density of Crossings in Downstream Network Watershed (#/m2)	1.34
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	Historical	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	None Documented
One or More DS Anadromous Species	Historical	# Diadromous Sp Dnstrm (incl eel)	0

Resident Fish and Rare Species

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
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	Yes

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	Poor

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	Yes

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