Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_22-019** **SPRING CREEK**

Bay-wide Diadromous Tier	12
Bay-wide Resident Tier	17
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	22-019
River Name	Spring Creek
Dam Height (ft)	5
Dam Type	Concrete
Latitude	40.2846
Longitude	-76.6626
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Spring Creek
HUC 10	Lower Swatara Creek
HUC 8	Lower Susquehanna-Swatara
HUC 6	Lower Susquehanna
HUC 4	Susquehanna

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	15.36
% Natural Cover in Upstream Drainage Area	14.87
% Forested in Upstream Drainage Area	12.03
% Agriculture in Upstream Drainage Area	36.52
% Natural Cover in ARA of Upstream Network	17.64
% Natural Cover in ARA of Downstream Network	25.1
% Forest Cover in ARA of Upstream Network	12.38
% Forest Cover in ARA of Downstream Network	10.85
% Agricultral Cover in ARA of Upstream Network	35.74
% Agricultral Cover in ARA of Downstream Network	16.4
% Impervious Surf in ARA of Upstream Network	11.96
% Impervious Surf in ARA of Downstream Network	17.49

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	26.23
% Tree Cover in ARA of Downstream Network	34.39
% Herbaceaous Cover in ARA of Upstream Network	58.75
% Herbaceaous Cover in ARA of Downstream Network	39.34
% Barren Cover in ARA of Upstream Network	0.13
% Barren Cover in ARA of Downstream Network	2
% Road Impervious in ARA of Upstream Network	1.41
% Road Impervious in ARA of Downstream Network	2.59
% Other Impervious in ARA of Upstream Network	12.66
% Other Impervious in ARA of Downstream Network	13.01

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)	34.71	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	48.51	# Downsteam Natural Barriers	0
Absolute Gain (mi)	13.8	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	4
# Upstream Network Size Classes	2	# of Downstream Barriers	5

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	0
% Conserved Land in 100m Buffer of Downstream Network	0.32
Density of Crossings in Upstream Network Watershed (#/m2)	1.86
Density of Crossings in Downstream Network Watershed (#/m2)	2.44
Density of off-channel dams in Upstream Network Watershed (#/m2)	0.02
Density of off-channel dams in Downstream Network Watershed (#/m2)	0

Diadromous Fish

Downstream Alewife	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Historical	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
One or More DS Anadromous Species	Historical	# Diadromous Sp Dnstrm (incl eel)	1

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)	38
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	2
# 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	No

Stream Health

Chesapeake Bay Program Stream Health	POOR
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	No

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