

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_CPU16** **Spring Branch Dam**

Bay-wide Diadromous Tier	2
Bay-wide Resident Tier	11
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	CPU16
River Name	Spring Branch
Dam Height (ft)	3.5
Dam Type	Unknown
Latitude	38.9434
Longitude	-75.8102
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Chapel Branch-Choptank River
HUC 10	Upper Choptank River
HUC 8	Choptank
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.62	% Tree Cover in ARA of Upstream Network	31.23
% Natural Cover in Upstream Drainage Area	26.16	% Tree Cover in ARA of Downstream Network	36.41
% Forested in Upstream Drainage Area	13.85	% Herbaceous Cover in ARA of Upstream Network	66.81
% Agriculture in Upstream Drainage Area	68.6	% Herbaceous Cover in ARA of Downstream Network	55.1
% Natural Cover in ARA of Upstream Network	26.74	% Barren Cover in ARA of Upstream Network	0.18
% Natural Cover in ARA of Downstream Network	40.43	% Barren Cover in ARA of Downstream Network	0.2
% Forest Cover in ARA of Upstream Network	14.12	% Road Impervious in ARA of Upstream Network	0.65
% Forest Cover in ARA of Downstream Network	11.12	% Road Impervious in ARA of Downstream Network	0.97
% Agricultural Cover in ARA of Upstream Network	69.54	% Other Impervious in ARA of Upstream Network	0.96
% Agricultural Cover in ARA of Downstream Network	51.16	% Other Impervious in ARA of Downstream Network	1.88
% Impervious Surf in ARA of Upstream Network	0.36		
% Impervious Surf in ARA of Downstream Network	1.57		

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_CPU16**

Spring Branch Dam

Network, System Type and Condition

Functional Upstream Network (mi)	15.96	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1358.14	# Downstream Natural Barriers	0
Absolute Gain (mi)	15.96	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	4.39		
% Conserved Land in 100m Buffer of Downstream Network	19.29		
Density of Crossings in Upstream Network Watershed (#/m2)	0.98		
Density of Crossings in Downstream Network Watershed (#/m2)	0.68		
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	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	4

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)	43
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# 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	FAIR
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
Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	Yes

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf