

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_14-087**      **PENNS CAVE**

Bay-wide Diadromous Tier	15
Bay-wide Resident Tier	10
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	14-087
River Name	Penns Creek
Dam Height (ft)	25
Dam Type	Earth
Latitude	40.8818
Longitude	-77.607
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Headwaters Penns Creek
HUC 10	Penns Creek
HUC 8	Lower Susquehanna-Penns
HUC 6	Lower Susquehanna
HUC 4	Susquehanna



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.4	% Tree Cover in ARA of Upstream Network	52.98
% Natural Cover in Upstream Drainage Area	67.16	% Tree Cover in ARA of Downstream Network	57.12
% Forested in Upstream Drainage Area	67	% Herbaceous Cover in ARA of Upstream Network	45.03
% Agriculture in Upstream Drainage Area	28.87	% Herbaceous Cover in ARA of Downstream Network	39.13
% Natural Cover in ARA of Upstream Network	58.26	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	60.59	% Barren Cover in ARA of Downstream Network	0.15
% Forest Cover in ARA of Upstream Network	57.48	% Road Impervious in ARA of Upstream Network	0.56
% Forest Cover in ARA of Downstream Network	59.89	% Road Impervious in ARA of Downstream Network	1.16
% Agricultural Cover in ARA of Upstream Network	38.61	% Other Impervious in ARA of Upstream Network	0.8
% Agricultural Cover in ARA of Downstream Network	27.5	% Other Impervious in ARA of Downstream Network	1.51
% Impervious Surf in ARA of Upstream Network	0.35		
% Impervious Surf in ARA of Downstream Network	1.42		

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](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: **PA\_14-087**      **PENNS CAVE**

Network, System Type and Condition			
Functional Upstream Network (mi)	12.95	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	149.36	# Downsteam Natural Barriers	0
Absolute Gain (mi)	12.95	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	5
# Upstream Network Size Classes	2	# of Downstream Barriers	6
NFHAP Cumulative Disturbance Index		Not Scored / Unavailable at this scale	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		0	
% Conserved Land in 100m Buffer of Downstream Network		6.49	
Density of Crossings in Upstream Network Watershed (#/m2)		0.7	
Density of Crossings in Downstream Network Watershed (#/m2)		1.27	
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
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	1
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	POOR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	33	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Good
# Rare Mussel (HUC8)	3		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	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-prot02/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf)