

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_57-004**      **VANDERPOOL**

Diadromous Tier	18
Brook Trout Tier	18
Resident Tier	18
NID ID	
State ID	57-004
River Name	Payne Run
Dam Height (ft)	15
Dam Type	Earth
Latitude	41.5131
Longitude	-76.3767
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Black Creek-Little Loyalsock Cre
HUC 10	Little Loyalsock Creek
HUC 8	Lower West Branch Susquehann
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0	% Tree Cover in ARA of Upstream Network	0
% Natural Cover in Upstream Drainage Area	77.42	% Tree Cover in ARA of Downstream Network	71.49
% Forested in Upstream Drainage Area	68.66	% Herbaceous Cover in ARA of Upstream Network	0
% Agriculture in Upstream Drainage Area	22.58	% Herbaceous Cover in ARA of Downstream Network	23.06
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	74.12	% Barren Cover in ARA of Downstream Network	0.17
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	63.64	% Road Impervious in ARA of Downstream Network	1.26
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	18.42	% Other Impervious in ARA of Downstream Network	0.83
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	0.89		

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)

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### Network, System Type and Condition

Functional Upstream Network (mi)	0.02	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	185.9	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.02	# Downstream Hydropower Dams	5
# Size Classes in Total Network	4	# Downstream Dams with Passage	5
# Upstream Network Size Classes	0	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index	Low		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	9.58		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	0.81		
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
Presence of 1 or More Downstream Anadromous Species	None Docume		
# Diadromous Species Downstream (incl eel)	1		

### Resident Fish

Barrier is in EBTJV BKT Catchment	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	Yes
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	31
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# 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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