

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_19-066**

**COLES CREEK SPORTSMEN'S CLUB**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 13                              |
| Bay-wide Resident Tier    | 5                               |
| Bay-wide Brook Trout Tier | 13                              |
| NID ID                    |                                 |
| State ID                  | 19-066                          |
| River Name                | Coles Creek                     |
| Dam Height (ft)           | 17                              |
| Dam Type                  | Unknown                         |
| Latitude                  | 41.2734                         |
| Longitude                 | -76.3328                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1b: Creek (3.861 - 38.61 sq mi) |
| HUC 12                    | Raven Creek                     |
| HUC 10                    | Fishing Creek                   |
| HUC 8                     | Upper Susquehanna-Lackawann     |
| HUC 6                     | Upper Susquehanna               |
| HUC 4                     | Susquehanna                     |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 0.27  | % Tree Cover in ARA of Upstream Network         | 91.02 |
| % Natural Cover in Upstream Drainage Area         | 93.62 | % Tree Cover in ARA of Downstream Network       | 89.68 |
| % Forested in Upstream Drainage Area              | 88.59 | % Herbaceous Cover in ARA of Upstream Network   | 5.63  |
| % Agriculture in Upstream Drainage Area           | 3.28  | % Herbaceous Cover in ARA of Downstream Network | 7.92  |
| % Natural Cover in ARA of Upstream Network        | 95.08 | % Barren Cover in ARA of Upstream Network       | 0.03  |
| % Natural Cover in ARA of Downstream Network      | 91.01 | % Barren Cover in ARA of Downstream Network     | 0.13  |
| % Forest Cover in ARA of Upstream Network         | 82.82 | % Road Impervious in ARA of Upstream Network    | 0.7   |
| % Forest Cover in ARA of Downstream Network       | 84.11 | % Road Impervious in ARA of Downstream Network  | 0.66  |
| % Agricultural Cover in ARA of Upstream Network   | 1.21  | % Other Impervious in ARA of Upstream Network   | 0.18  |
| % Agricultural Cover in ARA of Downstream Network | 4.38  | % Other Impervious in ARA of Downstream Network | 0.54  |
| % Impervious Surf in ARA of Upstream Network      | 0.25  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 0.42  |   |       |

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)

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## Network, System Type and Condition

|  |        |                                |   |
|--|--------|--------------------------------|---|
| Functional Upstream Network (mi)                                   | 10.39  | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 127.91 | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 10.39  | # Downstream Hydropower Dams   | 4 |
| # Size Classes in Total Network                                    | 3      | # Downstream Dams with Passage | 5 |
| # Upstream Network Size Classes                                    | 2      | # of Downstream Barriers       | 9 |
| NFHAP Cumulative Disturbance Index                                 | Low    |                                |   |
| Dam is on Conserved Land   | No     |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 5.07   |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 59.92  |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0.78   |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.53   |                                |   |
| 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 Documented |                               |                 |
| # Diadromous Species Downstream (incl eel)          | 1               |                               |                 |

## Resident Fish

|  |     |
|--|-----|
| Barrier is in EBTJV BKT Catchment                | Yes |
| 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)              | 37  |
| # Rare Fish (HUC8)                               | 0   |
| # Rare Mussel (HUC8)                             | 2   |
| # Rare Crayfish (HUC8)                           | 0   |

## Stream Health

|                                      |      |
|--------------------------------------|------|
| Chesapeake Bay Program Stream Health | FAIR |
| 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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