

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_36-162** **DENVER MILL**

|                           |                                   |
|---------------------------|-----------------------------------|
| Bay-wide Diadromous Tier  | 10                                |
| Bay-wide Resident Tier    | 15                                |
| Bay-wide Brook Trout Tier | N/A                               |
| NID ID                    |                                   |
| State ID                  | 36-162                            |
| River Name                | Little Cocalico Creek             |
| Dam Height (ft)           | 6                                 |
| Dam Type                  | Stone                             |
| Latitude                  | 40.2314                           |
| Longitude                 | -76.1316                          |
| Passage Facilities        | None Documented                   |
| Passage Year              | N/A                               |
| Size Class                | 1b: Creek (3.861 - 38.61 sq mi)   |
| HUC 12                    | Little Cocalico Creek-Cocalico Cr |
| HUC 10                    | Cocalico Creek                    |
| HUC 8                     | Lower Susquehanna                 |
| HUC 6                     | Lower Susquehanna                 |
| HUC 4                     | Susquehanna                       |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---------------------------------------------------|-------|-------------------------------------------------|-------|
| % Impervious Surface in Upstream Drainage Area    | 3.45  | % Tree Cover in ARA of Upstream Network         | 49.58 |
| % Natural Cover in Upstream Drainage Area         | 51.59 | % Tree Cover in ARA of Downstream Network       | 28.99 |
| % Forested in Upstream Drainage Area              | 42.27 | % Herbaceous Cover in ARA of Upstream Network   | 42.26 |
| % Agriculture in Upstream Drainage Area           | 29.54 | % Herbaceous Cover in ARA of Downstream Network | 38.75 |
| % Natural Cover in ARA of Upstream Network        | 53.68 | % Barren Cover in ARA of Upstream Network       | 0.07  |
| % Natural Cover in ARA of Downstream Network      | 20.64 | % Barren Cover in ARA of Downstream Network     | 0     |
| % Forest Cover in ARA of Upstream Network         | 31.12 | % Road Impervious in ARA of Upstream Network    | 1.6   |
| % Forest Cover in ARA of Downstream Network       | 4.4   | % Road Impervious in ARA of Downstream Network  | 2.33  |
| % Agricultural Cover in ARA of Upstream Network   | 26.43 | % Other Impervious in ARA of Upstream Network   | 5.66  |
| % Agricultural Cover in ARA of Downstream Network | 20.64 | % Other Impervious in ARA of Downstream Network | 27.4  |
| % Impervious Surf in ARA of Upstream Network      | 3.69  |                                                 |       |
| % Impervious Surf in ARA of Downstream Network    | 23.13 |                                                 |       |

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)                                   | 20.12     | Upstream Size Class Gain (#)   | 1 |
| Total Functional Network (mi)                                      | 21.36     | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)                                                 | 1.24      | # Downstream Hydropower Dams   | 2 |
| # Size Classes in Total Network                                    | 2         | # Downstream Dams with Passage | 3 |
| # Upstream Network Size Classes                                    | 2         | # of Downstream Barriers       | 7 |
| NFHAP Cumulative Disturbance Index                                 | Very High |                                |   |
| Dam is on Conserved Land                                           | No        |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 6.47      |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 0         |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 1.51      |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.73      |                                |   |
| Density of off-channel dams in Upstream Network Watershed (#/m2)   | 0.03      |                                |   |
| 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)                                                     | 53 |
| # Rare Fish (HUC8)                                                                      | 2  |
| # Rare Mussel (HUC8)                                                                    | 3  |
| # 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                 | Fair |

|                                                                  |    |
|------------------------------------------------------------------|----|
| Rare fish or mussel sp in HUC12                                  | No |
| Rare fish or mussel in upstream or downstream functional network | No |

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