





## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

| CFPPP Unique ID: <b>VA_124</b> |                                 | <b>LAKE PELHAM DAM</b>   |  | <b>Mountain Run Dam #50</b> |  |
|--------------------------------|---------------------------------|--|--|-----------------------------|--|
| Diadromous Tier                | 2                               |       |  |                             |  |
| Brook Trout Tier               | N/A                             |  |  |                             |  |
| Resident Tier                  | 4                               |     |  |                             |  |
| NID ID                         | VA04703                         |  |  |                             |  |
| State ID                       | 124                             |   |  |                             |  |
| River Name                     | Mountain Run                    |  |  |                             |  |
| Dam Height (ft)                | 55                              |   |  |                             |  |
| Dam Type                       |                                 |  |  |                             |  |
| Latitude                       | 38.4689                         |   |  |                             |  |
| Longitude                      | -78.0177                        |  |  |                             |  |
| Passage Facilities             | None Documented                 |   |  |                             |  |
| Passage Year                   | N/A                             |  |  |                             |  |
| Size Class                     | 1b: Creek (3.861 - 38.61 sq mi) |   |  |                             |  |
| HUC 12                         | Hiders Branch-Mountain Run      |  |  |                             |  |
| HUC 10                         | Mountain Run                    |   |  |                             |  |
| HUC 8                          | Rapidan-Upper Rappahannock      |  |  |                             |  |
| HUC 6                          | Lower Chesapeake                |   |  |                             |  |
| HUC 4                          | Lower Chesapeake                |  |  |                             |  |

| Landcover   |       |  |   |       |  |
|---|-------|--|---|-------|--|
| NLCD (2011)                                       |       |  | Chesapeake Conservancy (2016)                   |       |  |
| % Impervious Surface in Upstream Drainage Area    | 1.73  |  | % Tree Cover in ARA of Upstream Network         | 54.27 |  |
| % Natural Cover in Upstream Drainage Area         | 43.91 |  | % Tree Cover in ARA of Downstream Network       | 62.07 |  |
| % Forested in Upstream Drainage Area              | 39.65 |  | % Herbaceous Cover in ARA of Upstream Network   | 26.51 |  |
| % Agriculture in Upstream Drainage Area           | 40.44 |  | % Herbaceous Cover in ARA of Downstream Network | 28.22 |  |
| % Natural Cover in ARA of Upstream Network        | 58.06 |  | % Barren Cover in ARA of Upstream Network       | 0     |  |
| % Natural Cover in ARA of Downstream Network      | 61.15 |  | % Barren Cover in ARA of Downstream Network     | 0.27  |  |
| % Forest Cover in ARA of Upstream Network         | 35.67 |  | % Road Impervious in ARA of Upstream Network    | 1.13  |  |
| % Forest Cover in ARA of Downstream Network       | 38.92 |  | % Road Impervious in ARA of Downstream Network  | 0.91  |  |
| % Agricultural Cover in ARA of Upstream Network   | 31.37 |  | % Other Impervious in ARA of Upstream Network   | 1.1   |  |
| % Agricultural Cover in ARA of Downstream Network | 32.21 |  | % Other Impervious in ARA of Downstream Network | 1.01  |  |
| % Impervious Surf in ARA of Upstream Network      | 1.58  |  |   |       |  |
| % Impervious Surf in ARA of Downstream Network    | 1.05  |  |   |       |  |

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: <b>VA_124</b>                                     |                 | <b>LAKE PELHAM DAM</b>                 |                 | <b>Mountain Run Dam #50</b> |  |
|--|-----------------|--|-----------------|-----------------------------|--|
| Network, System Type and Condition                                 |                 |  |                 |                             |  |
| Functional Upstream Network (mi)                                   | 23.61           | Upstream Size Class Gain (#)           | 0               |                             |  |
| Total Functional Network (mi)                                      | 3352.63         | # Downstream Natural Barriers          | 0               |                             |  |
| Absolute Gain (mi)   | 23.61           | # Downstream Hydropower Dams           | 0               |                             |  |
| # Size Classes in Total Network                                    | 5               | # Downstream Dams with Passage         | 0               |                             |  |
| # Upstream Network Size Classes                                    | 2               | # of Downstream Barriers               | 0               |                             |  |
| 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              |                 | 20.81                                  |                 |                             |  |
| Density of Crossings in Upstream Network Watershed (#/m2)          |                 | 0.99                                   |                 |                             |  |
| Density of Crossings in Downstream Network Watershed (#/m2)        |                 | 0.91                                   |                 |                             |  |
| 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  | None Documented | Downstream American Eel                | Current         |                             |  |
| Presence of 1 or More Downstream Anadromous Species                |                 | Current                                |                 |                             |  |
| # Diadromous Species Downstream (incl eel)                         |                 | 3                                      |                 |                             |  |
| Resident Fish  |                 |  | Stream Health   |                             |  |
| Barrier is in EBTJV BKT Catchment                                  | No              | Chesapeake Bay Program Stream Health   | FAIR            |                             |  |
| Barrier is in Modeled BKT Catchment (DeWeber)                      | No              | MD MBSS Benthic IBI Stream Health      | N/A             |                             |  |
| Barrier Blocks an EBTJV Catchment                                  | Yes             | MD MBSS Fish IBI Stream Health         | N/A             |                             |  |
| Barrier Blocks a Modeled BKT Catchment (DeWeber)                   | No              | MD MBSS Combined IBI Stream Health     | N/A             |                             |  |
| Native Fish Species Richness (HUC8)                                | 38              | VA INSTAR mIBI Stream Health           | Moderate        |                             |  |
| # Rare Fish (HUC8)   | 0               | PA IBI Stream Health                   | N/A             |                             |  |
| # Rare Mussel (HUC8)   | 4               |  |                 |                             |  |
| # Rare Crayfish (HUC8)   | 0               |  |                 |                             |  |

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)