

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_PA00056**      **BIG ELK LAKE**

|                    |                                 |
|--------------------|---------------------------------|
| Diadromous Tier    | 6                               |
| Brook Trout Tier   | N/A                             |
| Resident Tier      | 1                               |
| NID ID             | PA00056                         |
| State ID           | PA00056                         |
| River Name         | Elk Lake Stream                 |
| Dam Height (ft)    | 12                              |
| Dam Type           | Earth / Stone / Masonry         |
| Latitude           | 41.7529                         |
| Longitude          | -75.9544                        |
| Passage Facilities | None Documented                 |
| Passage Year       | N/A                             |
| Size Class         | 1a: Headwater (0 - 3.861 sq mi) |
| HUC 12             | Lake Stream                     |
| HUC 10             | East Branch Wyalusing Creek     |
| HUC 8              | Upper Susquehanna-Tunkhann      |
| HUC 6              | Upper Susquehanna               |
| HUC 4              | Susquehanna                     |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 0.26  | % Tree Cover in ARA of Upstream Network         | 48.74 |
| % Natural Cover in Upstream Drainage Area         | 66.19 | % Tree Cover in ARA of Downstream Network       | 54.16 |
| % Forested in Upstream Drainage Area              | 50.38 | % Herbaceous Cover in ARA of Upstream Network   | 23.72 |
| % Agriculture in Upstream Drainage Area           | 30.32 | % Herbaceous Cover in ARA of Downstream Network | 33.75 |
| % Natural Cover in ARA of Upstream Network        | 86.27 | % Barren Cover in ARA of Upstream Network       | 0.02  |
| % Natural Cover in ARA of Downstream Network      | 57.7  | % Barren Cover in ARA of Downstream Network     | 0.51  |
| % Forest Cover in ARA of Upstream Network         | 42.93 | % Road Impervious in ARA of Upstream Network    | 0.25  |
| % Forest Cover in ARA of Downstream Network       | 44.4  | % Road Impervious in ARA of Downstream Network  | 2     |
| % Agricultural Cover in ARA of Upstream Network   | 10.1  | % Other Impervious in ARA of Upstream Network   | 0.67  |
| % Agricultural Cover in ARA of Downstream Network | 27.91 | % Other Impervious in ARA of Downstream Network | 3.88  |
| % Impervious Surf in ARA of Upstream Network      | 0.18  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 3.93  |   |       |

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)                                   | 6.07                                   | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 7078.61                                | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 6.07                                   | # Downstream Hydropower Dams   | 4 |
| # Size Classes in Total Network                                    | 7                                      | # Downstream Dams with Passage | 5 |
| # Upstream Network Size Classes                                    | 1                                      | # 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              | 6.98                                   |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0.26                                   |                                |   |
| Density of Crossings in Downstream Network Watershed (#/m2)        | 0.98                                   |                                |   |
| Density of off-channel dams in Upstream Network Watershed (#/m2)   | 0                                      |                                |   |
| Density of off-channel dams in Downstream Network Watershed (#/m2) | 0.01                                   |                                |   |

### 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         |
| Presence of 1 or More Downstream Anadromous Species | Historical      |                               |                 |
| # Diadromous Species Downstream (incl eel)          | 1               |                               |                 |

### Resident Fish

|  |     |
|--|-----|
| Barrier is in EBTJV BKT Catchment                | No  |
| Barrier is in Modeled BKT Catchment (DeWeber)    | No  |
| Barrier Blocks an EBTJV Catchment                | Yes |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | Yes |
| Native Fish Species Richness (HUC8)              | 34  |
| # Rare Fish (HUC8)                               | 1   |
| # Rare Mussel (HUC8)                             | 2   |
| # Rare Crayfish (HUC8)                           | 0   |

### Stream Health

|                                      |           |
|--------------------------------------|-----------|
| Chesapeake Bay Program Stream Health | EXCELLENT |
| 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      |

Metric descriptions can be found at:

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