

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA\_PA00581**      **LICKING CREEK**

|                           |                                 |
|---------------------------|---------------------------------|
| Bay-wide Diadromous Tier  | 10                              |
| Bay-wide Resident Tier    | 5                               |
| Bay-wide Brook Trout Tier | N/A                             |
| NID ID                    | PA00581                         |
| State ID                  | PA00581                         |
| River Name                | East Licking Creek              |
| Dam Height (ft)           | 26                              |
| Dam Type                  | Earth / Concrete                |
| Latitude                  | 40.5517                         |
| Longitude                 | -77.5084                        |
| Passage Facilities        | None Documented                 |
| Passage Year              | N/A                             |
| Size Class                | 1b: Creek (3.861 - 38.61 sq mi) |
| HUC 12                    | East Licking Creek              |
| HUC 10                    | Tuscarora Creek                 |
| HUC 8                     | Lower Juniata                   |
| HUC 6                     | Lower Susquehanna               |
| HUC 4                     | Susquehanna                     |



### Landcover

| NLCD (2011)                                       |       | Chesapeake Conservancy (2016)                   |       |
|---|-------|---|-------|
| % Impervious Surface in Upstream Drainage Area    | 0.05  | % Tree Cover in ARA of Upstream Network         | 96.78 |
| % Natural Cover in Upstream Drainage Area         | 97.34 | % Tree Cover in ARA of Downstream Network       | 73.86 |
| % Forested in Upstream Drainage Area              | 97.13 | % Herbaceous Cover in ARA of Upstream Network   | 1.94  |
| % Agriculture in Upstream Drainage Area           | 0.04  | % Herbaceous Cover in ARA of Downstream Network | 23.53 |
| % Natural Cover in ARA of Upstream Network        | 95.21 | % Barren Cover in ARA of Upstream Network       | 0     |
| % Natural Cover in ARA of Downstream Network      | 74.26 | % Barren Cover in ARA of Downstream Network     | 0.02  |
| % Forest Cover in ARA of Upstream Network         | 94    | % Road Impervious in ARA of Upstream Network    | 0.03  |
| % Forest Cover in ARA of Downstream Network       | 74.16 | % Road Impervious in ARA of Downstream Network  | 0.71  |
| % Agricultural Cover in ARA of Upstream Network   | 0.01  | % Other Impervious in ARA of Upstream Network   | 0.17  |
| % Agricultural Cover in ARA of Downstream Network | 19.47 | % Other Impervious in ARA of Downstream Network | 1.07  |
| % Impervious Surf in ARA of Upstream Network      | 0.09  |   |       |
| % Impervious Surf in ARA of Downstream Network    | 0.57  |   |       |

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)                                   | 42.44 | Upstream Size Class Gain (#)   | 0 |
| Total Functional Network (mi)                                      | 62.18 | # Downstream Natural Barriers  | 0 |
| Absolute Gain (mi)   | 19.74 | # Downstream Hydropower Dams   | 4 |
| # Size Classes in Total Network                                    | 2     | # Downstream Dams with Passage | 5 |
| # Upstream Network Size Classes                                    | 2     | # of Downstream Barriers       | 6 |
| NFHAP Cumulative Disturbance Index                                 | Low   |                                |   |
| Dam is on Conserved Land   | No    |                                |   |
| % Conserved Land in 100m Buffer of Upstream Network                | 55.2  |                                |   |
| % Conserved Land in 100m Buffer of Downstream Network              | 6.84  |                                |   |
| Density of Crossings in Upstream Network Watershed (#/m2)          | 0.34  |                                |   |
| 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                                  | 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                | No  |
| Barrier is in Modeled BKT Catchment (DeWeber)    | No  |
| Barrier Blocks an EBTJV Catchment                | Yes |
| Barrier Blocks a Modeled BKT Catchment (DeWeber) | No  |
| Native Fish Species Richness (HUC8)              | 36  |
| # Rare Fish (HUC8)                               | 0   |
| # Rare Mussel (HUC8)                             | 3   |
| # 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                 | Fair |

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf)