

FIBI055-R4 **Paulins Kill**

Sipley Road

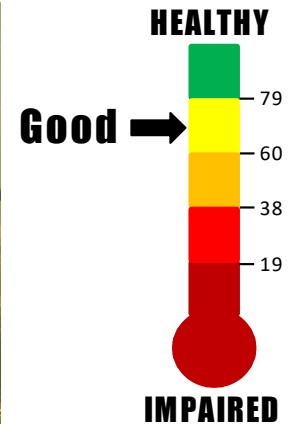
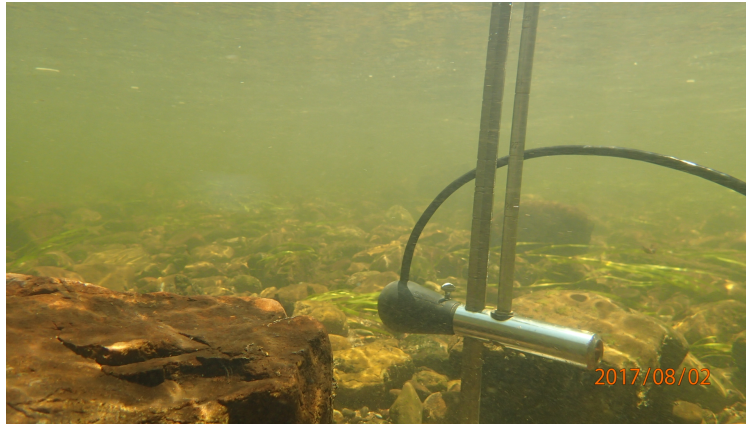
Municipality: Blainstown Twp

County: Warren

Drainage Area (sq miles): 160

Sample Date: 8/2/2017

Site Type: Fixed



IBI Metrics

| | |
|---|-------|
| Metric 1-%Rheophilic Richness | 49.30 |
| Metric 2-%Cold Non-tolerant Coolwater | 79.81 |
| Metric 3-%Generalist Richness | 81.62 |
| Metric 4-Tolerance Index | 93.56 |
| Metric 5-%Lithophilic Richness | 45.28 |
| Metric 6-%Cyprinidae | 34.73 |
| Metric 7-%Dominant 3 Taxa | 58.59 |
| Metric 8-%Benthic Insectivore Richness | 66.23 |

Field Chemistry

| | |
|--------------------------------|-------|
| Air Temp (°C) | 22.4 |
| Water Temperature (°C) | 21.57 |
| Dissolved Oxygen (mg/L) | 8.2 |
| % Saturation | 92.3 |
| pH | 7.89 |
| Conductivity (µS/cm) | 509 |
| Total Kjeldahl (mg/L) | 0.31 |
| Total Phosphorus (mg/L) | 0.04 |
| Nitrate/Nitrite (mg/L) | 0.36 |

Northern Fish IBI Score (0-100): 63.64

IBI Rating: Good

High Gradient Habitat Score (0-200): 144

Habitat Rating: Suboptimal

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Paulins Kill

| Common Name | Scientific Name | Abundance |
|--------------------|-------------------------------|------------------|
| Redbreast Sunfish | <i>Lepomis auritus</i> | 83 |
| Tessellated Darter | <i>Etheostoma olmstedi</i> | 39 |
| Rock Bass | <i>Ambloplites rupestris</i> | 37 |
| Smallmouth Bass | <i>Micropterus dolomieu</i> | 31 |
| Margined Madtom | <i>Noturus insignis</i> | 26 |
| Largemouth Bass | <i>Micropterus salmoides</i> | 17 |
| American Eel | <i>Anguilla rostrata</i> | 9 |
| Banded Killifish | <i>Fundulus diaphanus</i> | 9 |
| Yellow Bullhead | <i>Ameiurus natalis</i> | 8 |
| White Sucker | <i>Catostomus commersoni</i> | 7 |
| Shield Darter | <i>Percina peltata</i> | 7 |
| Bluegill | <i>Lepomis macrochirus</i> | 5 |
| Cutlips Minnow | <i>Exoglossum maxillingua</i> | 5 |
| Satinfin Shiner | <i>Cyprinella analostana</i> | 2 |
| Fallfish | <i>Semotilus corporalis</i> | 2 |
| Pumpkinseed | <i>Lepomis gibbosus</i> | 1 |