

FIBI015-R4

Mile Run

Easton Avenue

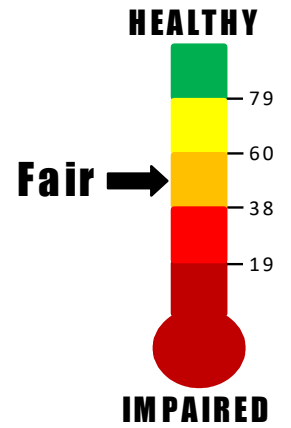
Municipality: Franklin Twp

County: Somerset

Drainage Area (sq miles): 6

Sample Date: 8 /13/2019

Site Type: Fixed



IBI Metrics

| | |
|----------------------------------------|-------|
| Metric 1-%Rheophilic Richness | 26.12 |
| Metric 2-%Cold Non-tolerant Coolwater | 60.60 |
| Metric 3-%Generalist Richness | 6.05 |
| Metric 4-Tolerance Index | 57.00 |
| Metric 5-%Lithophilic Richness | 36.22 |
| Metric 6-%Cyprinidae | 62.75 |
| Metric 7-%Dominant 3 Taxa | 79.53 |
| Metric 8-%Benthic Insectivore Richness | 33.11 |

Field Chemistry

| | |
|-------------------------|-------|
| Air Temp (°C) | 23.6 |
| Water Temperature (°C) | 21.87 |
| Dissolved Oxygen (mg/L) | 7.3 |
| % Saturation | 82.2 |
| pH | 7.33 |
| Conductivity (µS/cm) | 507.1 |
| Total Kjeldahl (mg/L) | 0.34 |
| Total Phosphorus (mg/L) | 0.09 |
| Nitrate/Nitrite (mg/L) | 1.46 |

Northern Fish IBI Score (0-100): 45.17

IBI Rating: Fair

High Gradient Habitat Score (0-200): 109

Habitat Rating: Marginal

Summary: The score and rating improved significantly at FIBI015 since the last two sampling events in 2010 and 2014.

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| Common Name | Scientific Name | Abundance |
|--------------------|--------------------------------|------------------|
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 238 |
| American Eel | <i>Anguilla rostrata</i> | 99 |
| Creek Chub | <i>Semotilus atromaculatus</i> | 58 |
| White Sucker | <i>Catostomus commersonii</i> | 35 |
| Redbreast Sunfish | <i>Lepomis auritus</i> | 12 |
| Banded Killifish | <i>Fundulus diaphanus</i> | 7 |
| Tessellated Darter | <i>Etheostoma olmstedi</i> | 7 |
| Green Sunfish | <i>Lepomis cyanellus</i> | 2 |