

FIBI033-R4

Pohatcong Creek

State Route 31

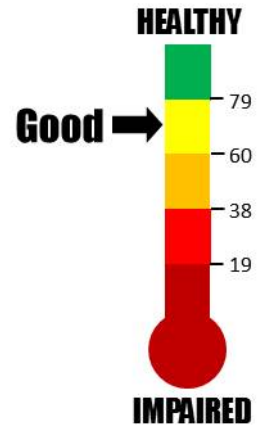
Municipality: Washington Twp

County: Warren

Drainage Area (sq miles): 10

Sample Date: 07/13/2016

Site Type: Sentinel



IBI Metrics

| | |
|--|-------|
| Metric 1-%Rheophilic Richness | 52.40 |
| Metric 2-%Cold Non-tolerant Coolwater | 70.56 |
| Metric 3-%Generalist Richness | 86.07 |
| Metric 4-Tolerance Index | 78.19 |
| Metric 5-%Lithophilic Richness | 59.66 |
| Metric 6-%Cyprinidae | 81.91 |
| Metric 7-%Dominant 3 Taxa | 71.55 |
| Metric 8-%Benthic Insectivore Richness | 62.33 |

Field Chemistry

| | |
|-------------------------|-------|
| Air Temp (°C) | 24.5 |
| Water Temperature (°C) | 21.69 |
| Dissolved Oxygen (mg/L) | 8.1 |
| % Saturation | 92.3 |
| pH | 7.22 |
| Conductivity (µS/cm) | 184.3 |

Northern Fish IBI Score (0-100): 70.33

IBI Rating: Good

High Gradient Habitat Score (0-200): 137

Habitat Rating: Suboptimal

Summary: Pohatcong Creek (FIBI033) has been rated "good" in each of the five sampling events since 2001. Twelve wild brown trout were collected in 2016, including two young-of-the-year.

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Pohatcong Creek

| Common Name | Scientific Name | Abundance |
|--------------------|--------------------------------|------------------|
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 391 |
| Common Shiner | <i>Luxilus cornutus</i> | 324 |
| White Sucker | <i>Catostomus commersonii</i> | 210 |
| Tessellated Darter | <i>Etheostoma olmstedii</i> | 89 |
| Cutlips Minnow | <i>Exoglossum maxillingua</i> | 76 |
| Spottail Shiner | <i>Notropis hudsonius</i> | 56 |
| Longnose Dace | <i>Rhinichthys cataractae</i> | 50 |
| Fallfish | <i>Semotilus corporalis</i> | 44 |
| American Eel | <i>Anguilla rostrata</i> | 23 |
| Redbreast Sunfish | <i>Lepomis auritus</i> | 20 |
| Satinfin Shiner | <i>Cyprinella analostana</i> | 16 |
| Brown Trout | <i>Salmo trutta</i> | 12 |
| Creek Chub | <i>Semotilus atromaculatus</i> | 6 |
| Margined Madtom | <i>Noturus insignis</i> | 4 |
| Largemouth Bass | <i>Micropterus salmoides</i> | 2 |
| Bluegill | <i>Lepomis macrochirus</i> | 2 |
| Pumpkinseed | <i>Lepomis gibbosus</i> | 1 |