

NJS11-155-R3

Stony Brook

ETS Facilities Lot

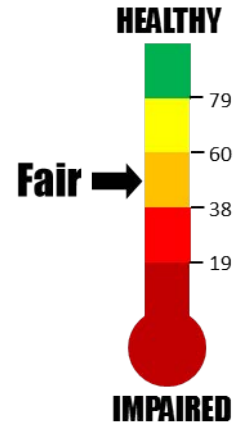
Municipality: Lawrence Twp

County: Mercer

Drainage Area (sq miles): 36

Sample Date: 09/06/2013

Site Type: Probabilistic



IBI Metrics

| | |
|--|-------|
| Metric 1-%Rheophilic Richness | 28.07 |
| Metric 2-%Cold Non-tolerant Coolwater | 81.05 |
| Metric 3-%Generalist Richness | 56.43 |
| Metric 4-Tolerance Index | 77.11 |
| Metric 5-%Lithophilic Richness | 27.17 |
| Metric 6-%Cyprinidae | 47.53 |
| Metric 7-%Dominant 3 Taxa | 50.40 |
| Metric 8-%Benthic Insectivore Richness | 33.11 |

Field Chemistry

| | |
|-------------------------|-------|
| Air Temp (°C) | 21.5 |
| Water Temperature (°C) | 17.37 |
| Dissolved Oxygen (mg/L) | 7.3 |
| % Saturation | 76.1 |
| pH | 7.2 |
| Conductivity (µS/cm) | 229.9 |

Northern Fish IBI Score (0-100): 50.11

IBI Rating: Fair

High Gradient Habitat Score (0-200): 149

Habitat Rating: Suboptimal

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Stony Brook

| Common Name | Scientific Name | Abundance |
|----------------------|--------------------------------|-----------|
| Tessellated Darter | <i>Etheostoma olmstedii</i> | 300 |
| White Sucker | <i>Catostomus commersoni</i> | 76 |
| Creek Chub | <i>Semotilus atromaculatus</i> | 71 |
| Spottail Shiner | <i>Notropis hudsonius</i> | 71 |
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 58 |
| Margined Madtom | <i>Noturus insignis</i> | 53 |
| Green Sunfish | <i>Lepomis cyanellus</i> | 29 |
| Satinfin Shiner | <i>Cyprinella analostana</i> | 26 |
| Banded Killifish | <i>Fundulus diaphanus</i> | 17 |
| American Eel | <i>Anguilla rostrata</i> | 13 |
| Largemouth Bass | <i>Micropterus salmoides</i> | 6 |
| Bluegill | <i>Lepomis macrochirus</i> | 6 |
| Redbreast Sunfish | <i>Lepomis aurochirus</i> | 5 |
| Common Shiner | <i>Luxilus cornutus</i> | 4 |
| Western Mosquitofish | <i>Gambusia affinis</i> | 3 |
| Fathead Minnow | <i>Pimephales promelas</i> | 2 |