

# NJPB-135-R3

## Drakes Brook

County Golf Course

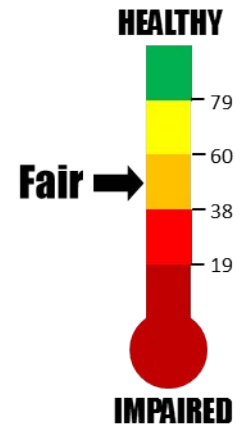
Municipality: Mount Olive Twp

County: Morris

Drainage Area (sq miles): 11

Sample Date: 07/30/2013

Site Type: Probabilistic



### IBI Metrics

|  |       |
|--|-------|
| Metric 1-%Rheophilic Richness          | 70.72 |
| Metric 2-%Cold Non-tolerant Coolwater  | 48.07 |
| Metric 3-%Generalist Richness          | 67.63 |
| Metric 4-Tolerance Index               | 72.23 |
| Metric 5-%Lithophilic Richness         | 56.34 |
| Metric 6-%Cyprinidae                   | 20.02 |
| Metric 7-%Dominant 3 Taxa              | 64.14 |
| Metric 8-%Benthic Insectivore Richness | 44.15 |

### Field Chemistry

|                         |       |
|-------------------------|-------|
| Air Temp (°C)           | 31.5  |
| Water Temperature (°C)  | 19.29 |
| Dissolved Oxygen (mg/L) | 8.91  |
| % Saturation            | 98.2  |
| pH                      | 7.26  |
| Conductivity (µS/cm)    | 397   |

*Northern Fish IBI Score (0-100): 55.41*

*IBI Rating: Fair*

*High Gradient Habitat Score (0-200): 139*

*Habitat Rating: Suboptimal*

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## Drakes Brook

| Common Name            | Scientific Name                   | Abundance |
|------------------------|-----------------------------------|-----------|
| Redbreast Sunfish      | <i>Lepomis auritus</i>            | 54        |
| Tessellated Darter     | <i>Etheostoma olmstedii</i>       | 51        |
| White Sucker           | <i>Catostomus commersoni</i>      | 33        |
| Fallfish               | <i>Semotilus corporalis</i>       | 29        |
| Longnose Dace          | <i>Rhinichthys cataractae</i>     | 20        |
| Pumpkinseed            | <i>Lepomis gibbosus</i>           | 16        |
| Bluegill               | <i>Lepomis macrochirus</i>        | 13        |
| Blacknose Dace         | <i>Rhinichthys atratulus</i>      | 10        |
| Margined Madtom        | <i>Noturus insignis</i>           | 9         |
| American Eel           | <i>Anguilla rostrata</i>          | 7         |
| Redfin Pickerel        | <i>Esox americanus americanus</i> | 5         |
| Common Shiner          | <i>Luxilus cornutus</i>           | 4         |
| Largemouth Bass        | <i>Micropterus salmoides</i>      | 4         |
| Brown Trout            | <i>Salmo trutta</i>               | 3         |
| Creek Chub             | <i>Semotilus atromaculatus</i>    | 3         |
| Yellow Bullhead        | <i>Ameiurus natalis</i>           | 2         |
| American Brook Lamprey | <i>Lethenteron appendix</i>       | 2         |
| Green Sunfish          | <i>Lepomis cyanellus</i>          | 2         |