

NJS11-106-R3

Ramapo River

Glen Gray Road

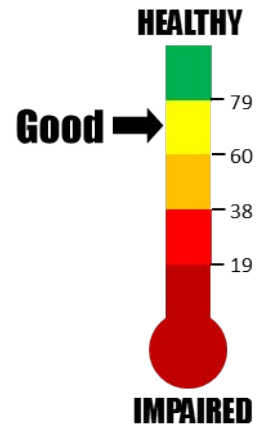
Municipality: Mahwah Twp

County: Bergen

Drainage Area (sq miles):125

Sample Date: 09/13/2012

Site Type: Probabilistic



IBI Metrics

| | |
|--|-------|
| Metric 1-%Rheophilic Richness | 80.87 |
| Metric 2-%Cold Non-tolerant Coolwater | 69.97 |
| Metric 3-%Generalist Richness | 61.73 |
| Metric 4-Tolerance Index | 66.06 |
| Metric 5-%Lithophilic Richness | 61.00 |
| Metric 6-%Cyprinidae | 49.65 |
| Metric 7-%Dominant 3 Taxa | 45.50 |
| Metric 8-%Benthic Insectivore Richness | 41.83 |

Field Chemistry

| | |
|-------------------------|-------|
| Air Temp (°C) | 26.2 |
| Water Temperature (°C) | 19.04 |
| Dissolved Oxygen (mg/L) | 7.45 |
| % Saturation | 79.9 |
| pH | 6.8 |
| Conductivity (µS/cm) | 452 |

Northern Fish IBI Score (0-100): 59.58

IBI Rating: Good

High Gradient Habitat Score (0-200): 156

Habitat Rating: Suboptimal

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| Common Name | Scientific Name | Abundance |
|--------------------|--------------------------------|-----------|
| Bluegill | <i>Lepomis macrochirus</i> | 160 |
| Tessellated Darter | <i>Etheostoma olmstedii</i> | 157 |
| Green Sunfish | <i>Lepomis cyanellus</i> | 113 |
| White Sucker | <i>Catostomus commersoni</i> | 37 |
| Redbreast Sunfish | <i>Lepomis auritus</i> | 35 |
| Common Shiner | <i>Luxilus cornutus</i> | 32 |
| Creek Chub | <i>Semotilus atromaculatus</i> | 26 |
| Fallfish | <i>Semotilus corporalis</i> | 26 |
| Smallmouth Bass | <i>Micropterus dolomieu</i> | 21 |
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 15 |
| Largemouth Bass | <i>Micropterus salmoides</i> | 14 |
| Yellow Bullhead | <i>Ameiurus natalis</i> | 13 |
| Longnose Dace | <i>Rhinichthys cataractae</i> | 13 |
| Pumpkinseed | <i>Lepomis gibbosus</i> | 5 |
| Cutlips Minnow | <i>Exoglossum maxillingua</i> | 4 |
| Rock Bass | <i>Ambloplites rupestris</i> | 3 |
| Spottail Shiner | <i>Notropis hudsonius</i> | 1 |
| Common Carp | <i>Cyprinus carpio</i> | 1 |
| White Perch | <i>Morone americana</i> | 1 |