

FIBI080-R3

Rockaway River

Blackwell Street

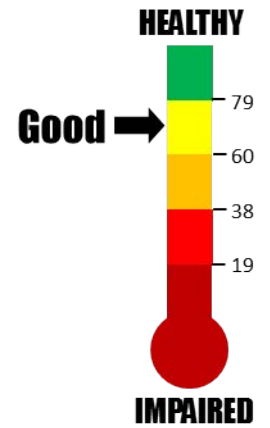
Municipality: Randolph Twp

County: Morris

Drainage Area (sq miles): 51

Sample Date: 08/27/2013

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	87.60
Metric 2-%Cold Non-tolerant Coolwater	100.00
Metric 3-%Generalist Richness	72.34
Metric 4-Tolerance Index	87.20
Metric 5-%Lithophilic Richness	61.00
Metric 6-%Cyprinidae	67.79
Metric 7-%Dominant 3 Taxa	40.27
Metric 8-%Benthic Insectivore Richness	41.83

Field Chemistry

Air Temp (°C)	25.9
Water Temperature (°C)	20.3
Dissolved Oxygen (mg/L)	8.79
% Saturation	99
pH	7.7
Conductivity (µS/cm)	528.8

Northern Fish IBI Score (0-100): 69.75

IBI Rating: Good

High Gradient Habitat Score (0-200): 146

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	129
Fallfish	<i>Semotilus corporalis</i>	81
Redbreast Sunfish	<i>Lepomis auritus</i>	58
Common Shiner	<i>Luxilus cornutus</i>	36
Longnose Dace	<i>Rhinichthys cataractae</i>	28
Blacknose Dace	<i>Rhinichthys atratulus</i>	22
White Sucker	<i>Catostomus commersoni</i>	10
Smallmouth Bass	<i>Micropterus dolomieu</i>	9
Western Mosquitofish	<i>Gambusia affinis</i>	5
Banded Killifish	<i>Fundulus diaphanus</i>	4
American Brook Lamprey	<i>Lethenteron appendix</i>	4
Brown Trout	<i>Salmo trutta</i>	4
Margined Madtom	<i>Noturus insignis</i>	4
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Creek Chub	<i>Semotilus atromaculatus</i>	1
Chain Pickerel	<i>Esox niger</i>	1
Eastern Mudminnow	<i>Umbra pygmaea</i>	1
Spottail Shiner	<i>Notropis hudsonius</i>	1