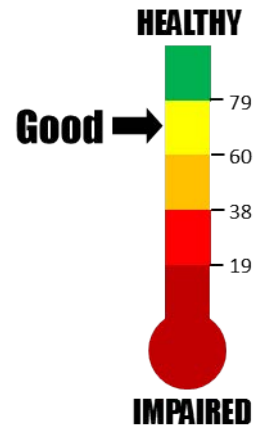


FIBI037-R3r

Drakes Brook

Old RR off N. 4 Bridges Road
 Municipality: Washington Twp
 County: Morris
 Drainage Area (sq miles): 16
 Sample Date: 08/07/2013
 Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	100.00
Metric 2-%Cold Non-tolerant Coolwater	73.69
Metric 3-%Generalist Richness	72.34
Metric 4-Tolerance Index	98.04
Metric 5-%Lithophilic Richness	45.75
Metric 6-%Cyprinidae	6.98
Metric 7-%Dominant 3 Taxa	54.39
Metric 8-%Benthic Insectivore Richness	55.77

Field Chemistry

Air Temp (°C)	24.5
Water Temperature (°C)	17.67
Dissolved Oxygen (mg/L)	9.63
% Saturation	101.9
pH	7.45
Conductivity (µS/cm)	509.5

Northern Fish IBI Score (0-100): 63.37

IBI Rating: Good

High Gradient Habitat Score (0-200): 161

Habitat Rating: Optimal

FIBI037-R3r

Drakes Brook

Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	274
Slimy Sculpin	<i>Cottus cognatus</i>	112
White Sucker	<i>Catostomus commersoni</i>	77
Redbreast Sunfish	<i>Lepomis auritus</i>	64
Bluegill	<i>Lepomis macrochirus</i>	39
Brook Trout	<i>Salvelinus fontinalis</i>	39
Longnose Dace	<i>Rhinichthys cataractae</i>	31
Fallfish	<i>Semotilus corporalis</i>	27
Redfin Pickerel	<i>Esox americanus americanus</i>	27
Blacknose Dace	<i>Rhinichthys atratulus</i>	25
Brown Trout	<i>Salmo trutta</i>	22
Green Sunfish	<i>Lepomis cyanellus</i>	19
American Eel	<i>Anguilla rostrata</i>	11
Eastern Mudminnow	<i>Umbra pygmaea</i>	8
Yellow Bullhead	<i>Ameiurus natalis</i>	7
Margined Madtom	<i>Noturus insignis</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	6
Largemouth Bass	<i>Micropterus salmoides</i>	4
American Brook Lamprey	<i>Lethenteron appendix</i>	2