

FIBI097a-R3

Green Brook

Clinton Avenue

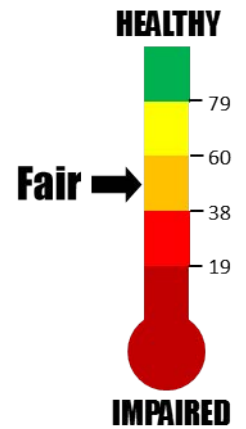
Municipality: Plainfield City

County: Union

Drainage Area (sq miles): 17

Sample Date: 07/25/2014

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	40.48
Metric 2-%Cold Non-tolerant Coolwater	37.32
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	40.87
Metric 5-%Lithophilic Richness	36.22
Metric 6-%Cyprinidae	22.41
Metric 7-%Dominant 3 Taxa	61.20
Metric 8-%Benthic Insectivore Richness	33.11

Field Chemistry

Air Temp (°C)	25.6
Water Temperature (°C)	20.96
Dissolved Oxygen (mg/L)	9.58
% Saturation	107.8
pH	7.41
Conductivity (µS/cm)	601.7

Northern Fish IBI Score (0-100): 41.01

IBI Rating: Fair

High Gradient Habitat Score (0-200): 94

Habitat Rating: Marginal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	128
White Sucker	<i>Catostomus commersoni</i>	101
American Eel	<i>Anguilla rostrata</i>	50
Green Sunfish	<i>Lepomis cyanellus</i>	42
Longnose Dace	<i>Rhinichthys cataractae</i>	37
Pumpkinseed	<i>Lepomis gibbosus</i>	35
Redbreast Sunfish	<i>Lepomis auritus</i>	30
Spottail Shiner	<i>Notropis hudsonius</i>	20
Banded Killifish	<i>Fundulus diaphanus</i>	16
Satinfin Shiner	<i>Cyprinella analostana</i>	16
Blacknose Dace	<i>Rhinichthys atratulus</i>	14
Swallowtail Shiner	<i>Notropis procne</i>	14
Common Shiner	<i>Luxilus cornutus</i>	8
Bluegill	<i>Lepomis macrochirus</i>	5
Golden Shiner	<i>Notemigonus crysoleucas</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	1