

FIBI123-R4

Pond Brook

Raritan Rd

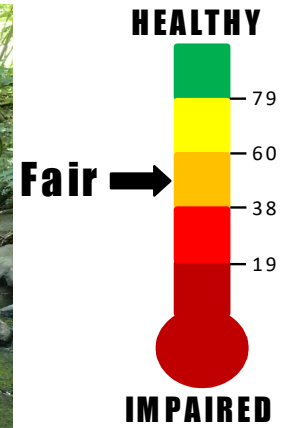
Municipality: Oakland

County: Bergen

Drainage Area (sq miles): 6

Sample Date: 7 /12/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	72.93
Metric 2-%Cold Non-tolerant Coolwater	80.54
Metric 3-%Generalist Richness	6.05
Metric 4-Tolerance Index	71.29
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	34.25
Metric 7-%Dominant 3 Taxa	39.88
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	29
Water Temperature (°C)	20.85
Dissolved Oxygen (mg/L)	8.1
% Saturation	90
pH	7.82
Conductivity (µS/cm)	953.3
Total Kjeldahl (mg/L)	0.16
Total Phosphorus (mg/L)	0.06
Nitrate/Nitrite (mg/L)	1.79

Northern Fish IBI Score (0-100): 55.45

IBI Rating: Fair

High Gradient Habitat Score (0-200): 128

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	194
Blacknose Dace	<i>Rhinichthys atratulus</i>	159
White Sucker	<i>Catostomus commersonii</i>	84
Creek Chub	<i>Semotilus atromaculatus</i>	46