

FIBI046-R3

Clove Brook

State Route 23

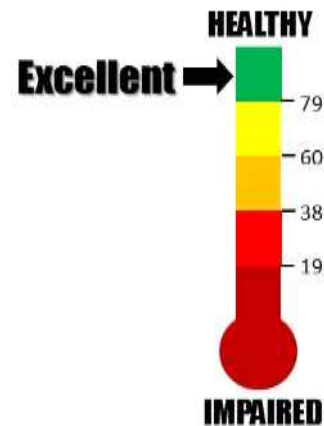
Municipality: Montague Twp

County: Sussex

Drainage Area (sq miles): 10

Sample Date: 08/07/2012

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	79.69
Metric 2-%Cold Non-tolerant Coolwater	83.93
Metric 3-%Generalist Richness	81.62
Metric 4-Tolerance Index	93.09
Metric 5-%Lithophilic Richness	54.33
Metric 6-%Cyprinidae	71.34
Metric 7-%Dominant 3 Taxa	99.61
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	30.5
Water Temperature (°C)	21.33
Dissolved Oxygen (mg/L)	7.65
% Saturation	82.5
pH	6.96
Conductivity (µS/cm)	335

Northern Fish IBI Score (0-100): 78.73

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 126

Habitat Rating: Suboptimal

Summary: Comparing results for FIBI046 over time using the new scoring system, scores and ratings have steadily increased. In particular, scores for the Tolerance Index have increased indicating the proportional abundance of intermediate and tolerant fish have declined over time. In addition, the proportional abundance of cold and non-tolerant coolwater species has increased.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	214
Brown Trout	<i>Salmo trutta</i>	50
Redbreast Sunfish	<i>Lepomis auritus</i>	31
Longnose Dace	<i>Rhinichthys cataractae</i>	29
White Sucker	<i>Catostomus commersoni</i>	24
American Eel	<i>Anguilla rostrata</i>	12
Tessellated Darter	<i>Etheostoma olmstedii</i>	11
Chain Pickerel	<i>Esox niger</i>	6