

FIBI056-R4 **Clove Brook**

State Route 23

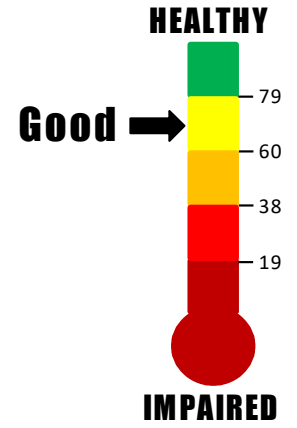
Municipality: Wantage Twp

County: Sussex

Drainage Area (sq miles): 18

Sample Date: 6/29/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	69.02
Metric 2-%Cold Non-tolerant Coolwater	96.03
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	84.09
Metric 5-%Lithophilic Richness	57.95
Metric 6-%Cyprinidae	99.31
Metric 7-%Dominant 3 Taxa	23.46
Metric 8-%Benthic Insectivore Richness	79.47

Field Chemistry

Air Temp (°C)	23.8
Water Temperature (°C)	17.03
Dissolved Oxygen (mg/L)	8.7
% Saturation	90.4
pH	7.43
Conductivity (µS/cm)	314.8
Total Kjeldahl (mg/L)	0.20
Total Phosphorus (mg/L)	0.06
Nitrate/Nitrite (mg/L)	0.66

Northern Fish IBI Score (0-100): 70.72

IBI Rating: Good

High Gradient Habitat Score (0-200): 141

Habitat Rating: Suboptimal

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Clove Brook

Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	153
Blacknose Dace	<i>Rhinichthys atratulus</i>	24
Tessellated Darter	<i>Etheostoma olmstedi</i>	21
Pumpkinseed	<i>Lepomis gibbosus</i>	12
Redfin Pickerel	<i>Esox americanus americanus</i>	8
Creek Chub	<i>Semotilus atromaculatus</i>	7
Cutlips Minnow	<i>Exoglossum maxillingua</i>	5
White Sucker	<i>Catostomus commersoni</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	4
Bluegill	<i>Lepomis macrochirus</i>	1