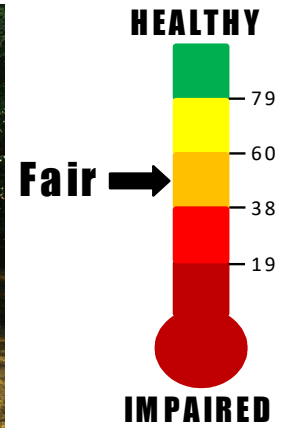


FIBI081-R4

Troy Brook

Pond Brook Road
Municipality: Stillwater Twp
County: Sussex
Drainage Area (sq miles): 25
Sample Date: 8/21/2017
Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	48.92
Metric 2-%Cold Non-tolerant Coolwater	59.48
Metric 3-%Generalist Richness	49.71
Metric 4-Tolerance Index	85.71
Metric 5-%Lithophilic Richness	38.64
Metric 6-%Cyprinidae	44.12
Metric 7-%Dominant 3 Taxa	47.49
Metric 8-%Benthic Insectivore Richness	52.98

Field Chemistry

Air Temp (°C)	23
Water Temperature (°C)	21.78
Dissolved Oxygen (mg/L)	8.4
% Saturation	96.1
pH	7.77
Conductivity (µS/cm)	251.9
Total Kjeldahl (mg/L)	0.22
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	0.17

Northern Fish IBI Score (0-100): 53.38

IBI Rating: Fair

High Gradient Habitat Score (0-200): 160

Habitat Rating: Optimal

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Troy Brook

Common Name	Scientific Name	Abundance
Bluegill	<i>Lepomis macrochirus</i>	54
Longnose Dace	<i>Rhinichthys cataractae</i>	52
Margined Madtom	<i>Noturus insignis</i>	21
Pumpkinseed	<i>Lepomis gibbosus</i>	20
Blacknose Dace	<i>Rhinichthys atratulus</i>	15
Tessellated Darter	<i>Etheostoma olmstedi</i>	14
Yellow Bullhead	<i>Ameiurus natalis</i>	11
American Eel	<i>Anguilla rostrata</i>	6
Redbreast Sunfish	<i>Lepomis auritus</i>	4
White Sucker	<i>Catostomus commersoni</i>	2
Creek Chub	<i>Semotilus atromaculatus</i>	1
Black Crappie	<i>Pomoxis nigromaculatus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Rock Bass	<i>Ambloplites rupestris</i>	1
Eastern Mudminnow	<i>Umbra pygmaea</i>	1