

# **FIBI081-R3**

## **Troy Brook**

**Pond Brook Road**

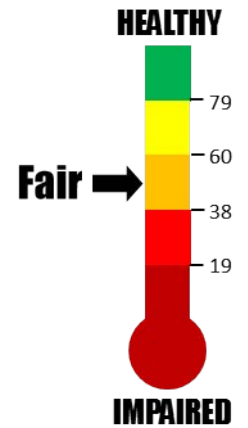
**Municipality: Stillwater Twp**

**County: Sussex**

**Drainage Area (sq miles): 25**

**Sample Date: 07/02/2012**

**Site Type: Fixed**



### **IBI Metrics**

<b>Metric 1-%Rheophilic Richness</b>	52.42
<b>Metric 2-%Cold Non-tolerant Coolwater</b>	61.85
<b>Metric 3-%Generalist Richness</b>	56.43
<b>Metric 4-Tolerance Index</b>	86.34
<b>Metric 5-%Lithophilic Richness</b>	31.05
<b>Metric 6-%Cyprinidae</b>	35.04
<b>Metric 7-%Dominant 3 Taxa</b>	61.51
<b>Metric 8-%Benthic Insectivore Richness</b>	56.76

### **Field Chemistry**

<b>Air Temp (°C)</b>	31.6
<b>Water Temperature (°C)</b>	21.87
<b>Dissolved Oxygen (mg/L)</b>	7.71
<b>% Saturation</b>	89.3
<b>pH</b>	6.88
<b>Conductivity (µS/cm)</b>	228

***Northern Fish IBI Score (0-100): 55.17***

***IBI Rating: Fair***

***High Gradient Habitat Score (0-200): 153***

***Habitat Rating: Suboptimal***

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## **Troy Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Margined Madtom	<i>Noturus insignis</i>	53
Longnose Dace	<i>Rhinichthys cataractae</i>	51
White Sucker	<i>Catostomus commersoni</i>	47
Bluegill	<i>Lepomis macrochirus</i>	33
Blacknose Dace	<i>Rhinichthys atratulus</i>	24
Yellow Bullhead	<i>Ameiurus natalis</i>	19
Tessellated Darter	<i>Etheostoma olmstedii</i>	16
American Eel	<i>Anguilla rostrata</i>	14
Eastern Mudminnow	<i>Umbra pygmaea</i>	8
Smallmouth Bass	<i>Micropterus dolomieu</i>	6
Redbreast Sunfish	<i>Lepomis auritus</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	3
Chain Pickerel	<i>Esox niger</i>	3
Brown Bullhead	<i>Ameiurus nebulosus</i>	1