

# **FIBI049-R4**

## **Walkkill River**

**Kennedy Avenue**

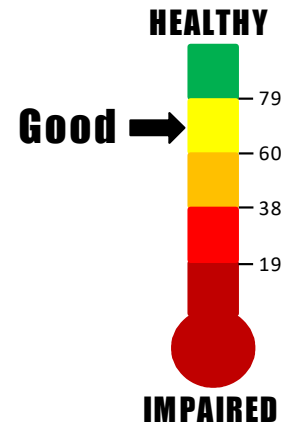
**Municipality: Ogdensburg Boro**

**County: Sussex**

**Drainage Area (sq miles): 20**

**Sample Date: 9/13/2017**

**Site Type: Fixed**



### **IBI Metrics**

<b>Metric 1-%Rheophilic Richness</b>	63.54
<b>Metric 2-%Cold Non-tolerant Coolwater</b>	56.17
<b>Metric 3-%Generalist Richness</b>	47.27
<b>Metric 4-Tolerance Index</b>	90.19
<b>Metric 5-%Lithophilic Richness</b>	52.69
<b>Metric 6-%Cyprinidae</b>	45.78
<b>Metric 7-%Dominant 3 Taxa</b>	60.41
<b>Metric 8-%Benthic Insectivore Richness</b>	72.25

### **Field Chemistry**

<b>Air Temp (°C)</b>	19.9
<b>Water Temperature (°C)</b>	15.20
<b>Dissolved Oxygen (mg/L)</b>	9.1
<b>% Saturation</b>	92.1
<b>pH</b>	7.7
<b>Conductivity (µS/cm)</b>	716.7
<b>Total Kjeldahl (mg/L)</b>	0.29
<b>Total Phosphorus (mg/L)</b>	0.02
<b>Nitrate/Nitrite (mg/L)</b>	0.45

***Northern Fish IBI Score (0-100): 61.04***

***IBI Rating: Good***

***High Gradient Habitat Score (0-200): 137***

***Habitat Rating: Suboptimal***

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## **Wallkill River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	56
Redbreast Sunfish	<i>Lepomis auritus</i>	36
Longnose Dace	<i>Rhinichthys cataractae</i>	28
Cutlips Minnow	<i>Exoglossum maxillingua</i>	27
White Sucker	<i>Catostomus commersoni</i>	25
Creek Chub	<i>Semotilus atromaculatus</i>	21
Redfin Pickerel	<i>Esox americanus americanus</i>	18
Blacknose Dace	<i>Rhinichthys atratulus</i>	7
Bluegill	<i>Lepomis macrochirus</i>	2
Eastern Mudminnow	<i>Umbra pygmaea</i>	1
Chain Pickerel	<i>Esox niger</i>	1