

# **FIBI065-R4**

## **Little Flat Brook**

Layton Hainesville Road

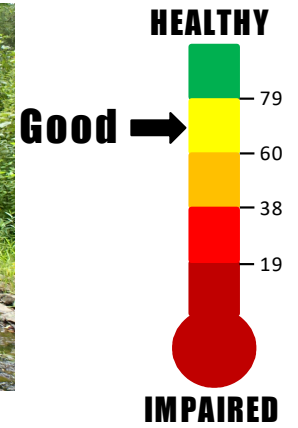
Municipality: Sandyston Twp

County: Sussex

Drainage Area (sq miles): 10

Sample Date: 8 /31/2017

Site Type: Fixed



### **IBI Metrics**

Metric 1-%Rheophilic Richness	78.99
Metric 2-%Cold Non-tolerant Coolwater	60.43
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	97.31
Metric 5-%Lithophilic Richness	60.37
Metric 6-%Cyprinidae	68.59
Metric 7-%Dominant 3 Taxa	68.84
Metric 8-%Benthic Insectivore Richness	66.23

### **Field Chemistry**

Air Temp (°C)	22.4
Water Temperature (°C)	16.10
Dissolved Oxygen (mg/L)	8.7
% Saturation	89.7
pH	7.46
Conductivity (µS/cm)	357.4
Total Kjeldahl (mg/L)	0.21
Total Phosphorus (mg/L)	0.02
Nitrate/Nitrite (mg/L)	0.09

***Northern Fish IBI Score (0-100): 75.09***

***IBI Rating: Good***

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

***Habitat Rating: Suboptimal***

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## **Little Flat Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	83
Cutlips Minnow	<i>Exoglossum maxillingua</i>	64
American Eel	<i>Anguilla rostrata</i>	45
Tessellated Darter	<i>Etheostoma olmstedi</i>	41
Common Shiner	<i>Luxilus cornutus</i>	30
Longnose Dace	<i>Rhinichthys cataractae</i>	17
Sea Lamprey	<i>Petromyzon marinus</i>	11
Brook Trout	<i>Salvelinus fontinalis</i>	6
Redbreast Sunfish	<i>Lepomis auritus</i>	6
Redfin Pickerel	<i>Esox americanus americanus</i>	3
White Sucker	<i>Catostomus commersoni</i>	1
Chain Pickerel	<i>Esox niger</i>	1