

FIBI066-R3

Big Flat Brook

State Route 560

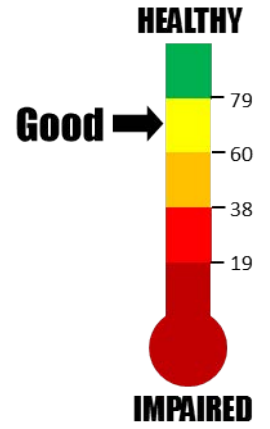
Municipality: Sandyston Twp

County: Sussex

Drainage Area (sq miles): 29

Sample Date: 07/27/2012

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	70.95
Metric 2-%Cold Non-tolerant Coolwater	69.90
Metric 3-%Generalist Richness	81.62
Metric 4-Tolerance Index	77.29
Metric 5-%Lithophilic Richness	54.33
Metric 6-%Cyprinidae	81.53
Metric 7-%Dominant 3 Taxa	84.04
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	24.9
Water Temperature (°C)	20.29
Dissolved Oxygen (mg/L)	8.7
% Saturation	98.2
pH	6.86
Conductivity (µS/cm)	89

Northern Fish IBI Score (0-100): 73.24

IBI Rating: Good

High Gradient Habitat Score (0-200): 163

Habitat Rating: Optimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	64
Longnose Dace	<i>Rhinichthys cataractae</i>	35
American Eel	<i>Anguilla rostrata</i>	31
White Sucker	<i>Catostomus commersoni</i>	25
Cutlips Minnow	<i>Exoglossum maxillingua</i>	24
Creek Chub	<i>Semotilus atromaculatus</i>	10
Largemouth Bass	<i>Micropterus salmoides</i>	10
Slimy Sculpin	<i>Cottus cognatus</i>	9
Tessellated Darter	<i>Etheostoma olmstedii</i>	8
Common Shiner	<i>Luxilus cornutus</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Rock Bass	<i>Ambloplites rupestris</i>	3
Redbreast Sunfish	<i>Lepomis auritus</i>	1
Sea Lamprey	<i>Petromyzon marinus</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Black Crappie	<i>Pomoxis nigromaculatus</i>	1