

FIBI066a-R3

Big Flat Brook

Rt 560 end of Flatbrook Road

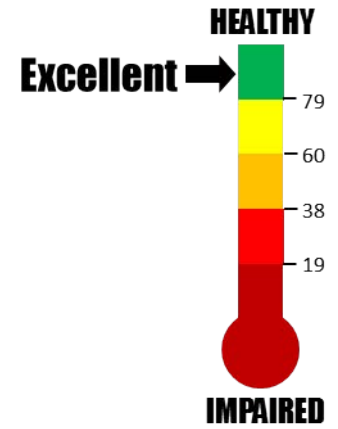
Municipality: Sandyston Twp

County: Sussex

Drainage Area (sq miles): 28

Sample Date: 08/20/2012

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	99.92
Metric 2-%Cold Non-tolerant Coolwater	89.84
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	88.35
Metric 5-%Lithophilic Richness	77.27
Metric 6-%Cyprinidae	80.47
Metric 7-%Dominant 3 Taxa	70.13
Metric 8-%Benthic Insectivore Richness	100.00

Field Chemistry

Air Temp (°C)	19.8
Water Temperature (°C)	15.94
Dissolved Oxygen (mg/L)	9.32
% Saturation	96
pH	6.97
Conductivity (µS/cm)	118

Northern Fish IBI Score (0-100): 88.25

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 168

Habitat Rating: Optimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	198
American Eel	<i>Anguilla rostrata</i>	108
Slimy Sculpin	<i>Cottus cognatus</i>	84
Longnose Dace	<i>Rhinichthys cataractae</i>	80
Creek Chub	<i>Semotilus atromaculatus</i>	34
Tessellated Darter	<i>Etheostoma olmstedii</i>	16
Cutlips Minnow	<i>Exoglossum maxillingua</i>	16
White Sucker	<i>Catostomus commersoni</i>	9
Margined Madtom	<i>Noturus insignis</i>	7
Common Shiner	<i>Luxilus cornutus</i>	7
Northern Hogsucker	<i>Hypentelium nigricans</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	2
Brook Trout	<i>Salvelinus fontinalis</i>	2
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Rock Bass	<i>Ambloplites rupestris</i>	1