

FIBI012-R4

Swartswood Creek

Swartswood Road

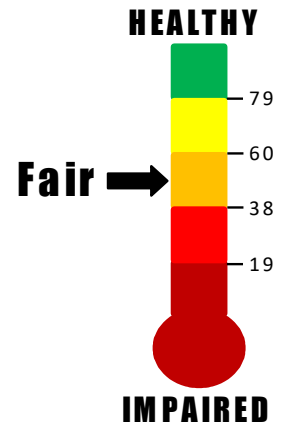
Municipality: Stillwater Twp

County: Sussex

Drainage Area (sq miles): 10

Sample Date: 6 /21/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	60.07
Metric 2-%Cold Non-tolerant Coolwater	23.35
Metric 3-%Generalist Richness	76.58
Metric 4-Tolerance Index	74.94
Metric 5-%Lithophilic Richness	57.95
Metric 6-%Cyprinidae	19.81
Metric 7-%Dominant 3 Taxa	27.01
Metric 8-%Benthic Insectivore Richness	26.49

Field Chemistry

Air Temp (°C)	23.7
Water Temperature (°C)	20.10
Dissolved Oxygen (mg/L)	8.5
% Saturation	93.5
pH	Not Working
Conductivity (µS/cm)	198.6

Northern Fish IBI Score (0-100): 45.78

IBI Rating: Fair

High Gradient Habitat Score (0-200): 152

Habitat Rating: Suboptimal

Summary: Comparing results over time using the same fish metrics, this is the lowest IBI score for FIBI012. Blacknose dace, white sucker, and tessellated darter have been collected in each of the three previous rounds, but were absent from the 2017 sampling event. Also, yellow perch and margined madtom were collected in rounds 2 and 3, but both were absent from this last round of monitoring.

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Common Name	Scientific Name	Abundance
Bluegill	<i>Lepomis macrochirus</i>	46
Longnose Dace	<i>Rhinichthys cataractae</i>	20
Pumpkinseed	<i>Lepomis gibbosus</i>	10
Redbreast Sunfish	<i>Lepomis auritus</i>	7
Fallfish	<i>Semotilus corporalis</i>	7
American Eel	<i>Anguilla rostrata</i>	4
Eastern Mudminnow	<i>Umbra pygmaea</i>	2
Smallmouth Bass	<i>Micropterus dolomieu</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	2
Rock Bass	<i>Ambloplites rupestris</i>	1