

NJS2016-039-R4

Stony Brook

Stony Brook Rd.

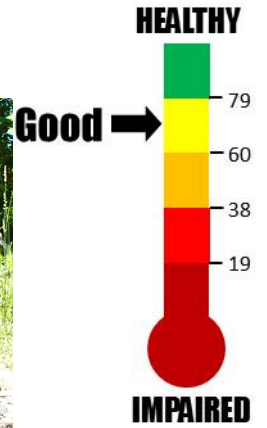
Municipality: Hopewell Twp

County: Mercer

Drainage Area (sq miles): 17

Sample Date: 06/22/2016

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	31.53
Metric 2-%Cold Non-tolerant Coolwater	99.31
Metric 3-%Generalist Richness	76.58
Metric 4-Tolerance Index	85.27
Metric 5-%Lithophilic Richness	43.47
Metric 6-%Cyprinidae	94.24
Metric 7-%Dominant 3 Taxa	79.74
Metric 8-%Benthic Insectivore Richness	52.98

Field Chemistry

Air Temp (°C)	21.4
Water Temperature (°C)	21.62
Dissolved Oxygen (mg/L)	6.12
% Saturation	69.8
pH	7.19
Conductivity (µS/cm)	345.1

Northern Fish IBI Score (0-100): 70.39

IBI Rating: Good

High Gradient Habitat Score (0-200): 128

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	512
Tessellated Darter	<i>Etheostoma olmstedii</i>	184
Creek Chub	<i>Semotilus atromaculatus</i>	172
Spottail Shiner	<i>Notropis hudsonius</i>	56
White Sucker	<i>Catostomus commersonii</i>	37
Largemouth Bass	<i>Micropterus salmoides</i>	15
Common Shiner	<i>Luxilus cornutus</i>	5
Margined Madtom	<i>Noturus insignis</i>	2
Green Sunfish	<i>Lepomis cyanellus</i>	2
American Eel	<i>Anguilla rostrata</i>	1