

FIBI100-R4

Culvers Creek

Mill Street

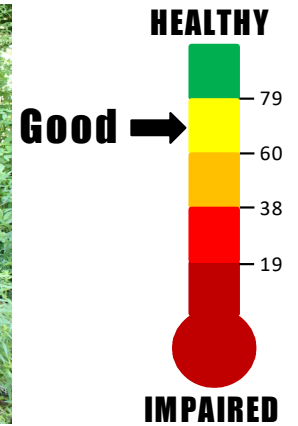
Municipality: Branchville Boro

County: Sussex

Drainage Area (sq miles): 11

Sample Date: 8/9/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	49.62
Metric 2-%Cold Non-tolerant Coolwater	87.08
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	85.53
Metric 5-%Lithophilic Richness	48.30
Metric 6-%Cyprinidae	98.20
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	100.00

Field Chemistry

Air Temp (°C)	20.4
Water Temperature (°C)	18.27
Dissolved Oxygen (mg/L)	9.0
% Saturation	96.3
pH	7.65
Conductivity (µS/cm)	393.9
Total Kjeldahl (mg/L)	0.27
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	0.19

Northern Fish IBI Score (0-100): 78.15

IBI Rating: Good

High Gradient Habitat Score (0-200): 137

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	369
Longnose Dace	<i>Rhinichthys cataractae</i>	101
White Sucker	<i>Catostomus commersoni</i>	44
Cutlips Minnow	<i>Exoglossum maxillingua</i>	37
Creek Chub	<i>Semotilus atromaculatus</i>	29
Tessellated Darter	<i>Etheostoma olmstedi</i>	25
Pumpkinseed	<i>Lepomis gibbosus</i>	21
Margined Madtom	<i>Noturus insignis</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	3
Creek Chubsucker	<i>Erimyzon oblongus</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Golden Shiner	<i>Notemigonus crysoleucas</i>	1