

NJS11-168-R4

Paulinskill Trib

County Rte 623

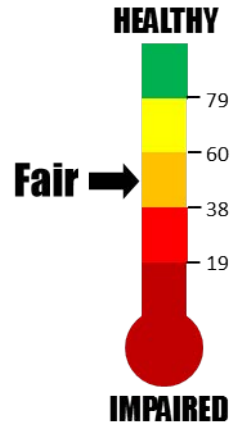
Municipality: Layfayette Twp

County: Sussex

Drainage Area (sq miles): 11

Sample Date: 06/30/2015

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	29.73
Metric 2-%Cold Non-tolerant Coolwater	74.87
Metric 3-%Generalist Richness	22.84
Metric 4-Tolerance Index	82.21
Metric 5-%Lithophilic Richness	32.20
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	17.17
Metric 8-%Benthic Insectivore Richness	58.87

Field Chemistry

Air Temp (°C)	22.7
Water Temperature (°C)	17.33
Dissolved Oxygen (mg/L)	7.2
% Saturation	76.8
pH	7.67
Conductivity (µS/cm)	727.4

Northern Fish IBI Score (0-100): 39.74

IBI Rating: Fair

High Gradient Habitat Score (0-200): 141

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	193
Eastern Mudminnow	<i>Umbra pygmaea</i>	31
White Sucker	<i>Catostomus commersoni</i>	27
Creek Chub	<i>Semotilus atromaculatus</i>	14
Redbreast Sunfish	<i>Lepomis auritus</i>	14
Redfin Pickerel	<i>Esox americanus americanus</i>	13
Blacknose Dace	<i>Rhinichthys atratulus</i>	9
Margined Madtom	<i>Noturus insignis</i>	6
Yellow Bullhead	<i>Ameiurus natalis</i>	1