

NJS11-131-R3

Pequannock River

Waterfall Court

Municipality: Bloomingdale Boro

County: Passaic

Drainage Area (sq miles): 74

Sample Date: 08/20/2013

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	61.31
Metric 2-%Cold Non-tolerant Coolwater	99.43
Metric 3-%Generalist Richness	81.62
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	100.00
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	99.19
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	25.1
Water Temperature (°C)	17.93
Dissolved Oxygen (mg/L)	9.83
% Saturation	104.1
pH	7.27
Conductivity (µS/cm)	258.8

Northern Fish IBI Score (0-100): 88.47

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 151

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	1090
Cutlips Minnow	<i>Exoglossum maxillingua</i>	307
White Sucker	<i>Catostomus commersoni</i>	145
Tessellated Darter	<i>Etheostoma olmstedii</i>	60
Brown Trout	<i>Salmo trutta</i>	56
Creek Chub	<i>Semotilus atromaculatus</i>	46
Common Shiner	<i>Luxilus cornutus</i>	34
Smallmouth Bass	<i>Micropterus dolomieu</i>	1