

NJS11-135-R3

Wickecheoke Creek

Lower Creek Road
 Municipality: Delaware Twp
 County: Hunterdon
 Drainage Area (sq miles): 25
 Sample Date: 06/24/2013
 Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	61.39
Metric 2-%Cold Non-tolerant Coolwater	82.15
Metric 3-%Generalist Richness	73.22
Metric 4-Tolerance Index	96.18
Metric 5-%Lithophilic Richness	60.37
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	88.30

Field Chemistry

Air Temp (°C)	22.5
Water Temperature (°C)	20.43
Dissolved Oxygen (mg/L)	9.68
% Saturation	107.1
pH	7.21
Conductivity (µS/cm)	206.1

Northern Fish IBI Score (0-100): 82.70

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 145

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	570
Cutlips Minnow	<i>Exoglossum maxillingua</i>	148
American Eel	<i>Anguilla rostrata</i>	90
Longnose Dace	<i>Rhinichthys cataractae</i>	54
Common Shiner	<i>Luxilus cornutus</i>	52
Redbreast Sunfish	<i>Lepomis auritus</i>	46
Margined Madtom	<i>Noturus insignis</i>	38
Tessellated Darter	<i>Etheostoma olmstedii</i>	18
Green Sunfish	<i>Lepomis cyanellus</i>	14
White Sucker	<i>Catostomus commersoni</i>	12
Smallmouth Bass	<i>Micropterus dolomieu</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1