

# **FIBI036-R3**

## **Spruce Run**

Main Street

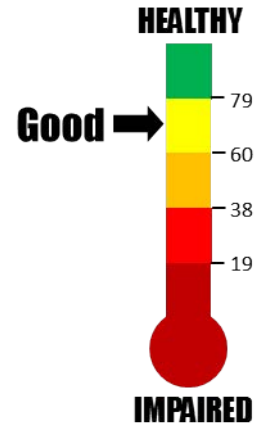
Municipality: Glen Gardener Boro

County: Hunterdon

Drainage Area (sq miles): 12

Sample Date: 06/19/2014

Site Type: Fixed



### **IBI Metrics**

Metric 1-%Rheophilic Richness	63.70
Metric 2-%Cold Non-tolerant Coolwater	94.71
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	98.76
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	75.55
Metric 7-%Dominant 3 Taxa	80.99
Metric 8-%Benthic Insectivore Richness	52.98

### **Field Chemistry**

Air Temp (°C)	23.3
Water Temperature (°C)	18.49
Dissolved Oxygen (mg/L)	9.37
% Saturation	101.0
pH	7.34
Conductivity (µS/cm)	226.6

***Northern Fish IBI Score (0-100): 74.44***

***IBI Rating: Good***

***High Gradient Habitat Score (0-200): 132***

***Habitat Rating: Suboptimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	138
Brown Trout	<i>Salmo trutta</i>	52
Longnose Dace	<i>Rhinichthys cataractae</i>	31
White Sucker	<i>Catostomus commersoni</i>	24
Tessellated Darter	<i>Etheostoma olmstedii</i>	5
Bluegill	<i>Lepomis macrochirus</i>	3
Creek Chub	<i>Semotilus atromaculatus</i>	2
American Eel	<i>Anguilla rostrata</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	2
Smallmouth Bass	<i>Micropterus dolomieu</i>	2