

FIBI534-R1

Holland Brook

Holland Brook Road

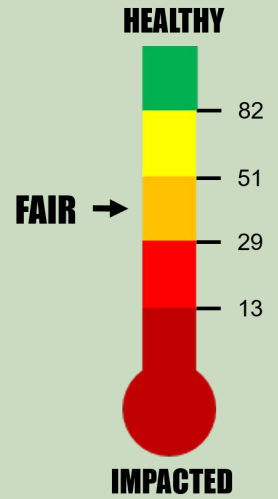
Municipality: Readington

County: Hunterdon

Drainage Area (sq miles): 3.8

Sample Date: 5/20/2014

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	0.00
Metric 3 -Percent tolerant fish	95.14
Metric 4 -Proportion of total richness as native	80.00
Metric 5 -Percent native crayfish	75.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	21.8
Water Temperature (°C)	13.01
Dissolved Oxygen (mg/L)	10.41
% Saturation	97.3
pH	6.44
Conductivity (uS/cm)	261

Headwaters IBI Score (0-100): ***47.25***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***125***

Habitat Rating: ***Suboptimal***

Summary: FIBI534 was rated as "fair" in 2014. Notably, a longtail salamander (pictured), a NJ state listed threated species was found at this site. The sighting was reported to the New Jersey Fish and Wildlife Endangered and Nongame Species Program.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	523
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	465
Longnose Dace	<i>Rhinichthys cataractae</i>	77
Creek Chub	<i>Semotilus atromaculatus</i>	25
American Eel	<i>Anguilla rostrata</i>	20
White Sucker	<i>Catostomus commersoni</i>	8
Common Crayfish	<i>Cambarus bartonii bartonii</i>	6
Tessellated Darter	<i>Etheostoma olmstedi</i>	5
Green Sunfish	<i>Lepomis cyanellus</i>	3
Virile Crayfish	<i>Orconectes virilis</i>	2
Pickerel Frog	<i>Lithobates palustris</i>	1
Longtail Salamander	<i>Eurycea longicauda longicauda</i>	1
Green Frog	<i>Lithobates clamitans</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1
Common Shiner	<i>Luxilus cornutus</i>	1