

FIBI092-R3

Holland Brook

Hillcrest Road

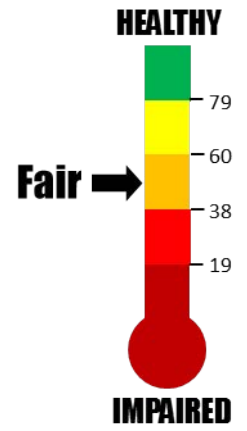
Municipality: Readington Twp

County: Hunterdon

Drainage Area (sq miles): 7.8

Sample Date: 07/02/2014

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	44.93
Metric 2-%Cold Non-tolerant Coolwater	52.51
Metric 3-%Generalist Richness	67.63
Metric 4-Tolerance Index	53.69
Metric 5-%Lithophilic Richness	56.34
Metric 6-%Cyprinidae	0.12
Metric 7-%Dominant 3 Taxa	55.17
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	30.8
Water Temperature (°C)	23.63
Dissolved Oxygen (mg/L)	7.44
% Saturation	87.1
pH	6.21
Conductivity (µS/cm)	283

Northern Fish IBI Score (0-100): 46.82

IBI Rating: Fair

High Gradient Habitat Score (0-200): 107

Habitat Rating: Marginal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	104
American Eel	<i>Anguilla rostrata</i>	42
Green Sunfish	<i>Lepomis cyanellus</i>	29
Rock Bass	<i>Ambloplites rupestris</i>	26
Banded Killifish	<i>Fundulus diaphanus</i>	21
Redbreast Sunfish	<i>Lepomis auritus</i>	19
Blacknose Dace	<i>Rhinichthys atratulus</i>	18
White Sucker	<i>Catostomus commersoni</i>	15
Common Shiner	<i>Luxilus cornutus</i>	12
Longnose Dace	<i>Rhinichthys cataractae</i>	7
Creek Chub	<i>Semotilus atromaculatus</i>	3
Margined Madtom	<i>Noturus insignis</i>	2
Swallowtail Shiner	<i>Notropis procne</i>	2
Fallfish	<i>Semotilus corporalis</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Eastern Silvery Minnow	<i>Hybognathus regius</i>	1