

FIBI563-R1

Hibernia Brook

Green Pond Rd

Municipality: Rockaway

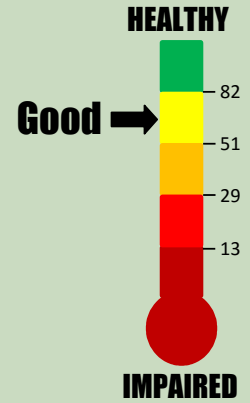
County: Morris

Drainage Area (sq miles): 1.05

Average Width (m): 4.76

Sample Date: 5 /24/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	29.24
Metric 3 -Percent tolerant fish	98.17
Metric 4 -Proportion of total richness as native	90.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	2.64

Air Temperature (°C)	21.3
Water Temperature (°C)	15.04
Dissolved Oxygen (mg/L)	9.55
% Saturation	76
pH	6.83
Conductivity (uS/cm)	205.3
Nitrate/Nitrite (mg/L):	0.183
Total Kjeldahl (mg/L):	0.186
Total Phosphorus (mg/L):	0.0258

<i>Headwaters IBI Score (0-100):</i>	<i>58.90</i>
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<i>IBI Rating:</i>	<i>Good</i>
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<i>High Gradient Habitat Score (0-200):</i>	<i>158</i>
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<i>Habitat Rating:</i>	<i>Suboptimal</i>
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Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	84
Blacknose Dace	<i>Rhinichthys atratulus</i>	22
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	7
Green Frog	<i>Lithobates clamitans</i>	6
Common Crayfish	<i>Cambarus bartonii bartonii</i>	6
Bluegill	<i>Lepomis macrochirus</i>	4
Pumpkinseed	<i>Lepomis gibbosus</i>	2
Brook Trout	<i>Salvelinus fontinalis</i>	2
Pickerel Frog	<i>Lithobates palustris</i>	1
Red-spotted Newt	<i>Notophthalmus viridescens viridescens</i>	1