

NJS2016-012-R1

Trout Brook

Johnsonburg Rd/CR 519

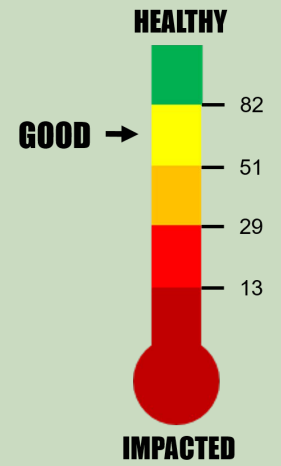
Municipality: Hope

County: Warren

Drainage Area (sq miles): 3.7

Sample Date: 8 /3 /2016

Site Type: Probabilistic



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	49.34
Metric 3 -Percent tolerant fish	78.94
Metric 4 -Proportion of total richness as native	88.89
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	23.73
Water Temperature (°C)	20.16
Dissolved Oxygen (mg/L)	8.27
% Saturation	91.4
pH	8.01
Conductivity (uS/cm)	525.6

Headwaters IBI Score (0-100): ***52.86***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***124***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	201
Creek Chub	<i>Semotilus atromaculatus</i>	200
Tessellated Darter	<i>Etheostoma olmstedii</i>	136
White Sucker	<i>Catostomus commersoni</i>	109
Bluegill	<i>Lepomis macrochirus</i>	66
Common Shiner	<i>Luxilus cornutus</i>	46
American Eel	<i>Anguilla rostrata</i>	36
Pumpkinseed	<i>Lepomis gibbosus</i>	22
Bullfrog	<i>Lithobates catesbeianus</i>	19
Green Frog	<i>Lithobates clamitans</i>	13
Spinycheek Crayfish	<i>Orconectes limosus</i>	12
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	7
Pickerel Frog	<i>Lithobates palustris</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	3
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Sea Lamprey	<i>Petromyzon marinus</i>	2
Redfin Pickerel	<i>Esox americanus americanus</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1