

FIBI553-R1

Honey Run

Honey Run Rd

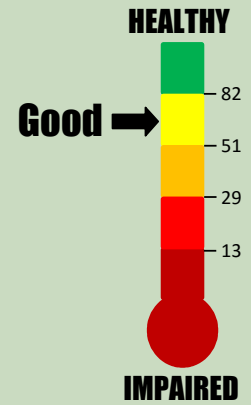
Municipality: Hope

County: Warren

Drainage Area (sq miles): 2.86

Sample Date: 5 /9 /2017

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 | 68.64 |
| Metric 4 -Proportion of total richness as native | 90.00 |
| Metric 5 -Percent native crayfish | 100.00 |
| Metric 6 -Brook trout density | 0.00 |

| | |
|--------------------------|--------|
| Air Temperature (°C) | 15.1 |
| Water Temperature (°C) | 9.87 |
| Dissolved Oxygen (mg/L) | 11.31 |
| % Saturation | 100.7 |
| pH | 7.51 |
| Conductivity (uS/cm) | 276.2 |
| Nitrate/Nitrite (mg/L): | 0.784 |
| Total Kjeldahl (mg/L): | 0.269 |
| Total Phosphorus (mg/L): | 0.0301 |

Headwaters IBI Score (0-100): **53.53**

IBI Rating: **Good**

High Gradient Habitat Score (0-200): **128**

Habitat Rating: **Suboptimal**

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| Common Name | Scientific Name | Abundance |
|-------------------------------|-----------------------------------|------------------|
| Creek Chub | <i>Semotilus atromaculatus</i> | 104 |
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 97 |
| White Sucker | <i>Catostomus commersoni</i> | 48 |
| American Eel | <i>Anguilla rostrata</i> | 43 |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i> | 41 |
| Common Shiner | <i>Luxilus cornutus</i> | 18 |
| Tessellated Darter | <i>Etheostoma olmstedi</i> | 14 |
| Pumpkinseed | <i>Lepomis gibbosus</i> | 10 |
| Bluegill | <i>Lepomis macrochirus</i> | 9 |
| Western Mosquitofish | <i>Gambusia affinis</i> | 4 |
| Green Frog | <i>Lithobates clamitans</i> | 3 |
| Sea Lamprey | <i>Petromyzon marinus</i> | 2 |
| Common Crayfish | <i>Cambarus bartonii bartonii</i> | 2 |
| Spinycheek Crayfish | <i>Orconectes limosus</i> | 2 |
| Creek Chubsucker | <i>Erimyzon oblongus</i> | 2 |
| Bullfrog | <i>Lithobates catesbeianus</i> | 2 |
| Banded Killifish | <i>Fundulus diaphanus</i> | 2 |
| Northern Dusky Salamander | <i>Desmognathus fuscus</i> | 1 |
| Redfin Pickerel | <i>Esox americanus americanus</i> | 1 |
| Yellow Bullhead | <i>Ameiurus natalis</i> | 1 |