

FIBI541-R1

Woodsville Brook

State Route 31

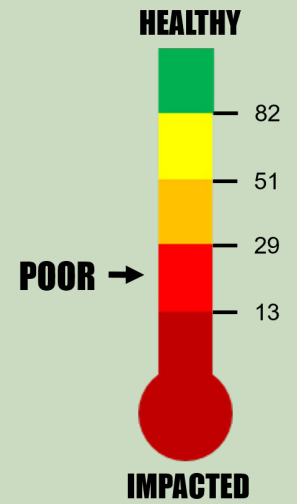
Municipality: Hopewell

County: Mercer

Drainage Area (sq miles): 1.9

Sample Date: 5/29/2014

Site Type: Fixed



| | |
|---|-------|
| Metric 1 - Number of intolerant vertebrate species | 0.00 |
| Metric 2 - Proportion of vertebrate species as top carnivores | 0.00 |
| Metric 3 -Percent tolerant fish | 91.75 |
| Metric 4 -Proportion of total richness as native | 66.67 |
| Metric 5 -Percent native crayfish | 0.00 |
| Metric 6 -Brook trout density | 0.00 |

| | |
|-------------------------|-------|
| Air Temperature (°C) | 12.7 |
| Water Temperature (°C) | 13.56 |
| Dissolved Oxygen (mg/L) | 11.37 |
| % Saturation | 109.2 |
| pH | 6.48 |
| Conductivity (uS/cm) | 231 |

Headwaters IBI Score (0-100): ***26.40***

IBI Rating: ***Poor***

High Gradient Habitat Score (0-200): ***126***

Habitat Rating: ***Suboptimal***

Summary: FIBI541 was rated as "poor" in 2014. This site had many non native crayfish and many generalist fish species. It appears that there was some type of impoundment (pictured) on this stream at one time which may have altered the biota.

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| Common Name | Scientific Name | Abundance |
|-------------------------------|--------------------------------|------------------|
| Creek Chub | <i>Semotilus atromaculatus</i> | 156 |
| Virile Crayfish | <i>Orconectes virilis</i> | 78 |
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 39 |
| Green Sunfish | <i>Lepomis cyanellus</i> | 14 |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i> | 12 |
| Tessellated Darter | <i>Etheostoma olmstedi</i> | 10 |
| White Sucker | <i>Catostomus commersoni</i> | 4 |
| Common Shiner | <i>Luxilus cornutus</i> | 2 |
| Bluegill | <i>Lepomis macrochirus</i> | 2 |