

# FIBI536-R1

## Simonson Brook

Mosher Road

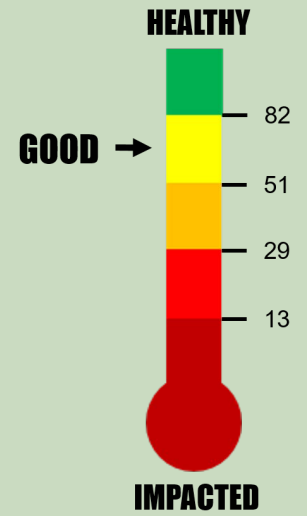
Municipality: Franklin

County: Somerset

Drainage Area (sq miles): 1.8

Sample Date: 6/18/2014

Site Type: Fixed



|                                                               |        |
|---------------------------------------------------------------|--------|
| Metric 1 - Number of intolerant vertebrate species            | 0.00   |
| Metric 2 - Proportion of vertebrate species as top carnivores | 65.79  |
| Metric 3 -Percent tolerant fish                               | 100.00 |
| Metric 4 -Proportion of total richness as native              | 100.00 |
| Metric 5 -Percent native crayfish                             | 100.00 |
| Metric 6 -Brook trout density                                 | 0.00   |

|                         |      |
|-------------------------|------|
| Air Temperature (°C)    | 26.7 |
| Water Temperature (°C)  | 22.1 |
| Dissolved Oxygen (mg/L) | 7.56 |
| % Saturation            | 85.9 |
| pH                      | 5.97 |
| Conductivity (uS/cm)    | 232  |

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***Headwaters IBI Score (0-100):*** ***60.96***

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***IBI Rating:*** ***Good***

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***High Gradient Habitat Score (0-200):*** ***130***

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***Habitat Rating:*** ***Suboptimal***

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| <b>Common Name</b>            | <b>Scientific Name</b>            | <b>Abundance</b> |
|-------------------------------|-----------------------------------|------------------|
| Northern Two-lined Salamander | <i>Eurycea bislineata</i>         | 69               |
| Tessellated Darter            | <i>Etheostoma olmstedi</i>        | 51               |
| Blacknose Dace                | <i>Rhinichthys atratulus</i>      | 43               |
| Spinycheek Crayfish           | <i>Orconectes limosus</i>         | 37               |
| Redfin Pickerel               | <i>Esox americanus americanus</i> | 14               |
| Creek Chub                    | <i>Semotilus atromaculatus</i>    | 13               |
| Green Frog                    | <i>Lithobates clamitans</i>       | 1                |
| Common Crayfish               | <i>Cambarus bartonii bartonii</i> | 1                |
| Bullfrog                      | <i>Lithobates catesbeianus</i>    | 1                |
| Pickerel Frog                 | <i>Lithobates palustris</i>       | 1                |