

# FIBI561-R1

## Harrisons Brook

Lyons Rd

Municipality: Bernards

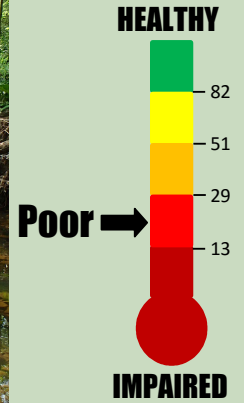
County: Somerset

Drainage Area (sq miles):3.55

Average Width (m): 6.35

Sample Date: 5 /15/2018

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                               | 82.11 |
| Metric 4 -Proportion of total richness as native              | 80.00 |
| Metric 5 -Percent native crayfish                             | 0.00  |
| Metric 6 -Brook trout density                                 | 0.00  |

|                          |        |
|--------------------------|--------|
| Air Temperature (°C)     | 22.6   |
| Water Temperature (°C)   | 16.07  |
| Dissolved Oxygen (mg/L)  | 8.50   |
| % Saturation             | 86.8   |
| pH                       | 7.25   |
| Conductivity (uS/cm)     | 724.4  |
| Nitrate/Nitrite (mg/L):  | 0.719  |
| Total Kjeldahl (mg/L):   | 0.369  |
| Total Phosphorus (mg/L): | 0.0183 |

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|---|---------------------|
| <b><i>Headwaters IBI Score (0-100):</i></b> | <b><i>27.02</i></b> |
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|---------------------------|--------------------|
| <b><i>IBI Rating:</i></b> | <b><i>Poor</i></b> |
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|  |                   |
|--|-------------------|
| <b><i>High Gradient Habitat Score (0-200):</i></b> | <b><i>118</i></b> |
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|-------------------------------|--------------------------|
| <b><i>Habitat Rating:</i></b> | <b><i>Suboptimal</i></b> |
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| <b>Common Name</b>            | <b>Scientific Name</b>         | <b>Abundance</b> |
|-------------------------------|--------------------------------|------------------|
| Creek Chub                    | <i>Semotilus atromaculatus</i> | 187              |
| Blacknose Dace                | <i>Rhinichthys atratulus</i>   | 143              |
| Tessellated Darter            | <i>Etheostoma olmstedii</i>    | 135              |
| Virile Crayfish               | <i>Orconectes virilis</i>      | 112              |
| White Sucker                  | <i>Catostomus commersonii</i>  | 97               |
| Longnose Dace                 | <i>Rhinichthys cataractae</i>  | 82               |
| Common Shiner                 | <i>Luxilus cornutus</i>        | 51               |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i>      | 36               |
| Banded Killifish              | <i>Fundulus diaphanus</i>      | 23               |
| Green Sunfish                 | <i>Lepomis cyanellus</i>       | 5                |
| Spottail Shiner               | <i>Notropis hudsonius</i>      | 4                |
| Bluegill                      | <i>Lepomis macrochirus</i>     | 3                |
| Pumpkinseed                   | <i>Lepomis gibbosus</i>        | 1                |
| Yellow Bullhead               | <i>Ameiurus natalis</i>        | 1                |
| Eastern Mudminnow             | <i>Umbra pygmaea</i>           | 1                |