

# FIBI590-R1

## Cramers Creek

Rt. 31

Municipality: Clinton Twp

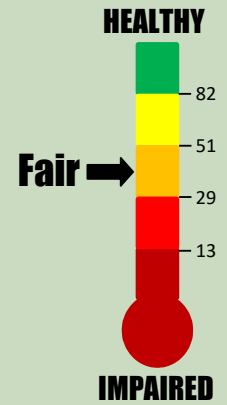
County: Hunterdon

Drainage Area (sq miles): 1.19

Average Width (m): 2.70

Sample Date: 5/2/2019

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                               | 97.11 |
| Metric 4 -Proportion of total richness as native              | 77.78 |
| Metric 5 -Percent native crayfish                             | 0.00  |
| Metric 6 -Brook trout density                                 | 0.00  |

|                          |        |
|--------------------------|--------|
| Air Temperature (°C)     | 16.6   |
| Water Temperature (°C)   | 11.76  |
| Dissolved Oxygen (mg/L)  | 11.34  |
| % Saturation             | 104.1  |
| pH                       | 8      |
| Conductivity (uS/cm)     | 383.4  |
| Nitrate/Nitrite (mg/L):  | 2.99   |
| Total Kjeldahl (mg/L):   | 0.0935 |
| Total Phosphorus (mg/L): | 0.0147 |

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***Headwaters IBI Score (0-100):*** ***39.58***

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***IBI Rating:*** ***Fair***

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***High Gradient Habitat Score (0-200):*** ***155***

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

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| <b>Common Name</b>            | <b>Scientific Name</b>         | <b>Abundance</b> |
|-------------------------------|--------------------------------|------------------|
| Brown Trout                   | <i>Salmo trutta</i>            | 79               |
| Blacknose Dace                | <i>Rhinichthys atratulus</i>   | 55               |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i>      | 48               |
| American Eel                  | <i>Anguilla rostrata</i>       | 4                |
| Creek Chub                    | <i>Semotilus atromaculatus</i> | 4                |
| Longnose Dace                 | <i>Rhinichthys cataractae</i>  | 1                |
| Bluegill                      | <i>Lepomis macrochirus</i>     | 1                |
| Green Frog                    | <i>Lithobates clamitans</i>    | 1                |
| Pickerel Frog                 | <i>Lithobates palustris</i>    | 1                |