

# FIBI531-R1r Herzog Brook

Longview Road

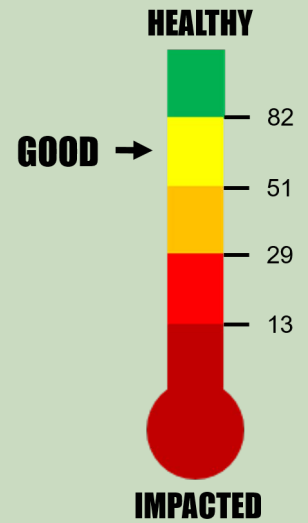
Municipality: Chester

County: Morris

Drainage Area (sq miles): 0.7

Sample Date: 6/19/2014

Site Type: Fixed



|   |        |
|---|--------|
| Metric 1 - Number of intolerant vertebrate species            | 100.00 |
| Metric 2 - Proportion of vertebrate species as top carnivores | 58.48  |
| Metric 3 -Percent tolerant fish                               | 69.15  |
| 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)    | 22.2  |
| Water Temperature (°C)  | 17.28 |
| Dissolved Oxygen (mg/L) | 8.65  |
| % Saturation            | 89.4  |
| pH                      | 5.9   |
| Conductivity (uS/cm)    | 257   |

---

***Headwaters IBI Score (0-100):*** ***69.60***

---

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

---

***High Gradient Habitat Score (0-200):*** ***151***

---

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

---

# FIBI531-R1r

## Herzog Brook

| <b>Common Name</b>            | <b>Scientific Name</b>            | <b>Abundance</b> |
|-------------------------------|-----------------------------------|------------------|
| Brown Trout                   | <i>Salmo trutta</i>               | 59               |
| Blacknose Dace                | <i>Rhinichthys atratulus</i>      | 34               |
| White Sucker                  | <i>Catostomus commersoni</i>      | 31               |
| American Brook Lamprey        | <i>Lampetra appendix</i>          | 28               |
| American Eel                  | <i>Anguilla rostrata</i>          | 28               |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i>         | 17               |
| Creek Chub                    | <i>Semotilus atromaculatus</i>    | 10               |
| Tessellated Darter            | <i>Etheostoma olmstedii</i>       | 9                |
| Common Crayfish               | <i>Cambarus bartonii bartonii</i> | 2                |
| Northern Red Salamander       | <i>Pseudotriton ruber ruber</i>   | 1                |