

# FIBI531-R2 Herzog Brook

Longview Road

Municipality: Chester

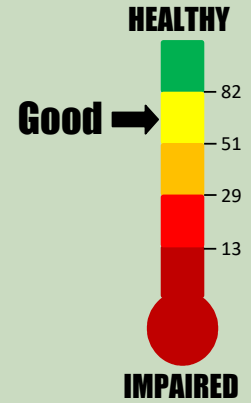
County: Morris

Drainage Area (sq miles): 0.71

Average Width (m): 5.73

Sample Date: 7 /31/2019

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	26.32
Metric 3 -Percent tolerant fish	75.25
Metric 4 -Proportion of total richness as native	90.91
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	32.4
Water Temperature (°C)	20.78
Dissolved Oxygen (mg/L)	9.13
% Saturation	101.2
pH	7.13
Conductivity (uS/cm)	278.6
Nitrate/Nitrite (mg/L):	1.46
Total Kjeldahl (mg/L):	0.0874
Total Phosphorus (mg/L):	0.0223

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<b><i>Headwaters IBI Score (0-100):</i></b>	<b><i>65.41</i></b>
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<b><i>IBI Rating:</i></b>	<b><i>Good</i></b>
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<b><i>High Gradient Habitat Score (0-200):</i></b>	<b><i>159</i></b>
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<b><i>Habitat Rating:</i></b>	<b><i>Suboptimal</i></b>
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**Summary:** Herzog Brook was rated "good" in previous sampling in 2013 and 2014 and remained "good" in 2019.

# FIBI531-R2

## Herzog Brook

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Brown Trout	<i>Salmo trutta</i>	51
Blacknose Dace	<i>Rhinichthys atratulus</i>	45
White Sucker	<i>Catostomus commersonii</i>	27
American Brook Lamprey	<i>Lethenteron appendix</i>	23
American Eel	<i>Anguilla rostrata</i>	22
Creek Chub	<i>Semotilus atromaculatus</i>	21
Tessellated Darter	<i>Etheostoma olmstedii</i>	16
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	11
Longnose Dace	<i>Rhinichthys cataractae</i>	1
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	1
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1