

FIBI531-R1

Herzog Brook

Longview Road

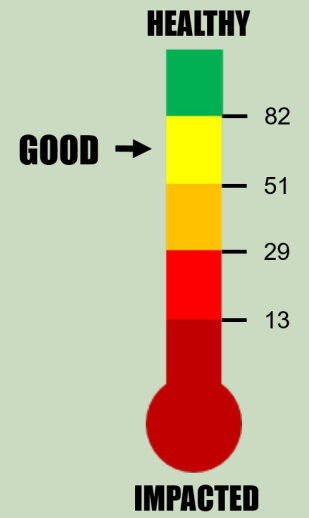
Municipality: Chester

County: Morris

Drainage Area (sq miles): 0.7

Sample Date: 7/18/2013

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	26.32
Metric 3 -Percent tolerant fish	75.54
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)	35
Water Temperature (°C)	15.62
Dissolved Oxygen (mg/L)	9.29
% Saturation	93.4
pH	6.15
Conductivity (uS/cm)	219

Headwaters IBI Score (0-100): ***59.91***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***172***

Habitat Rating: ***Optimal***

FIBI531-R1

Herzog Brook

Common Name	Scientific Name	Abundance
Brown Trout	<i>Salmo trutta</i>	83
Blacknose Dace	<i>Rhinichthys atratulus</i>	68
White Sucker	<i>Catostomus commersoni</i>	41
American Eel	<i>Anguilla rostrata</i>	18
American Brook Lamprey	<i>Lampetra appendix</i>	15
Tessellated Darter	<i>Etheostoma olmstedi</i>	14
Creek Chub	<i>Semotilus atromaculatus</i>	11
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	9
Green Frog	<i>Lithobates clamitans</i>	2
Fallfish	<i>Semotilus corporalis</i>	1
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1