

FIBI549-R1

West Portal Creek

Bellwood Park Rd

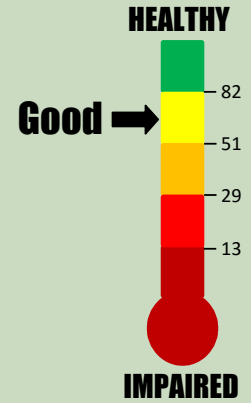
Municipality: Bethlehem

County: Hunterdon

Drainage Area (sq miles): 0.61

Sample Date: 5 /30/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	43.86
Metric 3 -Percent tolerant fish	96.34
Metric 4 -Proportion of total richness as native	85.71
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	13.0
Water Temperature (°C)	12.95
Dissolved Oxygen (mg/L)	10.02
% Saturation	95.5
pH	6.78
Conductivity (uS/cm)	202.5
Nitrate/Nitrite (mg/L):	0.342
Total Kjeldahl (mg/L):	0.173
Total Phosphorus (mg/L):	0.0186

Headwaters IBI Score (0-100): ***59.87***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***141***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	135
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	30
Common Crayfish	<i>Cambarus bartonii bartonii</i>	7
American Eel	<i>Anguilla rostrata</i>	5
Brown Trout	<i>Salmo trutta</i>	2
Pickerel Frog	<i>Lithobates palustris</i>	1
Green Frog	<i>Lithobates clamitans</i>	1