

FIBI413-R1

Cooley Brook

Elm Street

Municipality: West Milford

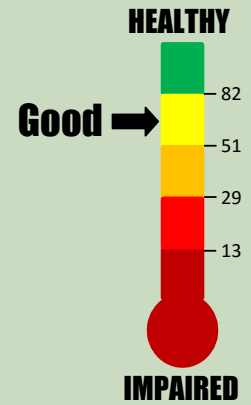
County: Passaic

Drainage Area (sq miles):1.61

Average Width (m): 4.25

Sample Date: 8 /10/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	95.69
Metric 3 -Percent tolerant fish	100.00
Metric 4 -Proportion of total richness as native	92.31
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	26.6
Water Temperature (°C)	17.70
Dissolved Oxygen (mg/L)	8.01
% Saturation	85.1
pH	5.95
Conductivity (uS/cm)	32.8
Nitrate/Nitrite (mg/L):	0.0523
Total Kjeldahl (mg/L):	0.113
Total Phosphorus (mg/L):	0.0188

Headwaters IBI Score (0-100): ***70.22***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***144***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
White River Crayfish	<i>Procambarus acutus</i>	34
Eastern Mudminnow	<i>Umbra pygmaea</i>	21
Creek Chub	<i>Semotilus atromaculatus</i>	11
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	6
Tessellated Darter	<i>Etheostoma olmstedii</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	3
Yellow Bullhead	<i>Ameiurus natalis</i>	3
Green Frog	<i>Lithobates clamitans</i>	3
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	2
Blacknose Dace	<i>Rhinichthys atratulus</i>	1
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1
Redfin Pickerel	<i>Esox americanus americanus</i>	1
Chain Pickerel	<i>Esox niger</i>	1