

FIBI521-R1r

Hakihokake Creek

Sweet Hollow Road

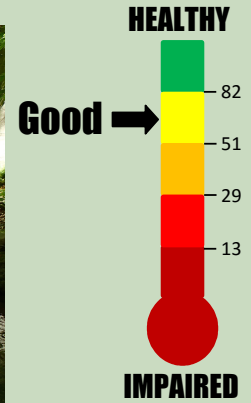
Municipality: Alexandria

County: Hunterdon

Drainage Area (sq miles): 2.42

Sample Date: 5 /19/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	32.89
Metric 3 -Percent tolerant fish	90.79
Metric 4 -Proportion of total richness as native	88.89
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	26.8
Water Temperature (°C)	15.73
Dissolved Oxygen (mg/L)	9.49
% Saturation	96.5
pH	7.19
Conductivity (uS/cm)	164.3
Nitrate/Nitrite (mg/L):	0.853
Total Kjeldahl (mg/L):	0.113
Total Phosphorus (mg/L):	0.03

Headwaters IBI Score (0-100): ***57.65***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***140***

Habitat Rating: ***Suboptimal***

Summary: Hakihokake Creek was in "good" condition in 2013 and 2017.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	200
Common Crayfish	<i>Cambarus bartonii bartonii</i>	98
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	82
Brown Trout	<i>Salmo trutta</i>	67
American Eel	<i>Anguilla rostrata</i>	25
Creek Chub	<i>Semotilus atromaculatus</i>	9
Longnose Dace	<i>Rhinichthys cataractae</i>	2
White Sucker	<i>Catostomus commersoni</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1