

FIBI521-R1

Hakihokake Creek

Sweet Hollow Road

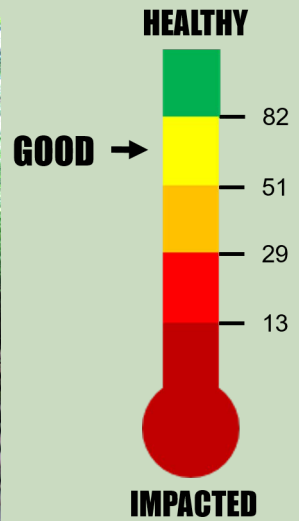
Municipality: Alexandria

County: Hunterdon

Drainage Area (sq miles): 2.4

Sample Date: 8/2/2013

Site Type: Fixed



| | |
|---------------------------------------------------------------|--------|
| Metric 1 - Number of intolerant vertebrate species | 66.67 |
| Metric 2 - Proportion of vertebrate species as top carnivores | 32.89 |
| Metric 3 -Percent tolerant fish | 93.54 |
| 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) | 21.1 |
| Water Temperature (°C) | 16.41 |
| Dissolved Oxygen (mg/L) | 8.51 |
| % Saturation | 86.4 |
| pH | 5.7 |
| Conductivity (uS/cm) | 152 |

Headwaters IBI Score (0-100): ***63.67***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***125***

Habitat Rating: ***Suboptimal***

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| Common Name | Scientific Name | Abundance |
|-------------------------------|-----------------------------------|------------------|
| Brown Trout | <i>Salmo trutta</i> | 155 |
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 108 |
| American Eel | <i>Anguilla rostrata</i> | 18 |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i> | 11 |
| Longnose Dace | <i>Rhinichthys cataractae</i> | 7 |
| Common Crayfish | <i>Cambarus bartonii bartonii</i> | 6 |
| Creek Chub | <i>Semotilus atromaculatus</i> | 1 |
| Common Shiner | <i>Luxilus cornutus</i> | 1 |
| Northern Dusky Salamander | <i>Desmognathus fuscus</i> | 1 |