

FIBI505-R1

Green Brook UNT

off York Avenue

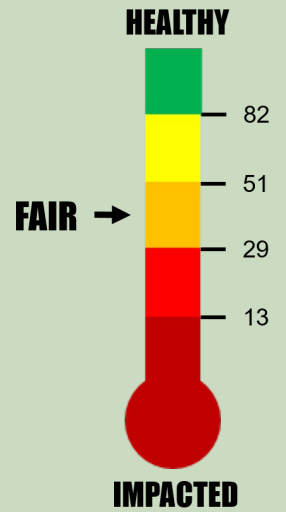
Municipality: West Caldwell

County: Essex

Drainage Area (sq miles): 1.1

Sample Date: 6/25/2013

Site Type: Fixed



| | |
|---|--------|
| Metric 1 - Number of intolerant vertebrate species | 0.00 |
| Metric 2 - Proportion of vertebrate species as top carnivores | 0.00 |
| Metric 3 -Percent tolerant fish | 100.00 |
| Metric 4 -Proportion of total richness as native | 75.00 |
| Metric 5 -Percent native crayfish | 0.00 |
| Metric 6 -Brook trout density | 0.00 |

| | |
|-------------------------|-------|
| Air Temperature (°C) | 31.2 |
| Water Temperature (°C) | 20.77 |
| Dissolved Oxygen (mg/L) | 9.53 |
| % Saturation | 106.1 |
| pH | 6.57 |
| Conductivity (uS/cm) | 649 |

Headwaters IBI Score (0-100): ***29.17***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***103***

Habitat Rating: ***Marginal***

FIBI505-R1

Green Brook UNT

| Common Name | Scientific Name | Abundance |
|-------------------------------|--------------------------------|------------------|
| Blacknose Dace | <i>Rhinichthys atratulus</i> | 475 |
| Creek Chub | <i>Semotilus atromaculatus</i> | 230 |
| Northern Two-lined Salamander | <i>Eurycea bislineata</i> | 33 |
| Virile Crayfish | <i>Orconectes virilis</i> | 3 |