

FIBI460-R1

Sun Valley Brook

Wolfe Road

Municipality: Mount Olive

County: Morris

Drainage Area (sq miles): 0.7

Sample Date: 8/4/2014

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	65.79
Metric 3 -Percent tolerant fish	99.56
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	24.75

Air Temperature (°C)	21.3
Water Temperature (°C)	16.32
Dissolved Oxygen (mg/L)	9.64
% Saturation	99.7
pH	6.17
Conductivity (uS/cm)	354

Headwaters IBI Score (0-100): ***81.68***

IBI Rating: ***Excellent***

High Gradient Habitat Score (0-200): ***150***

Habitat Rating: ***Suboptimal***

FIBI460-R1

Sun Valley Brook

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	354
Creek Chub	<i>Semotilus atromaculatus</i>	105
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	38
Brook Trout	<i>Salvelinus fontinalis</i>	15
Common Crayfish	<i>Cambarus bartonii bartonii</i>	7
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	3
White Sucker	<i>Catostomus commersoni</i>	2
Green Frog	<i>Lithobates clamitans</i>	2
Wood Frog	<i>Lithobates sylvaticus</i>	1
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	1