

NJS2016-005-R1

Nomahegan Brook Tributary

State Route 22

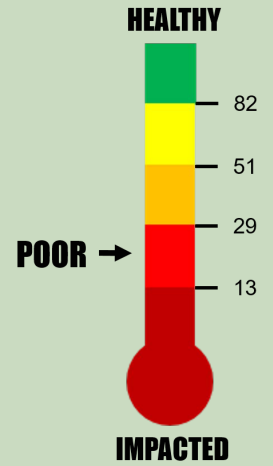
Municipality: Springfield

County: Union

Drainage Area (sq miles): 0.5

Sample Date: 8 /23/2016

Site Type: Probabilistic



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	0.00
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)	22.7
Water Temperature (°C)	20.44
Dissolved Oxygen (mg/L)	10.36
% Saturation	112.9
pH	7.87
Conductivity (uS/cm)	544.3

Headwaters IBI Score (0-100): 12.50

IBI Rating: Poor

High Gradient Habitat Score (0-200): 92

Habitat Rating: Marginal

Summary: This tributary to Nomahegan Brook located along Route 22 was rated "poor" in 2016. The site was only inhabited by 4 species, dominated by the green sunfish, and white sucker, both highly tolerant fish. This site lacked quality habitat with much of the stream was lined with gabion baskets and an invasive plant, Japanese knotweed.

NJS2016-005-R1

Nomahegan Brook Tributary

Common Name	Scientific Name	Abundance
Green Sunfish	<i>Lepomis cyanellus</i>	46
White Sucker	<i>Catostomus commersoni</i>	15
Blacknose Dace	<i>Rhinichthys atratulus</i>	1
Green Frog	<i>Lithobates clamitans</i>	1