

NJPB-215-R1

Great Brook Tributary

Overlook Road

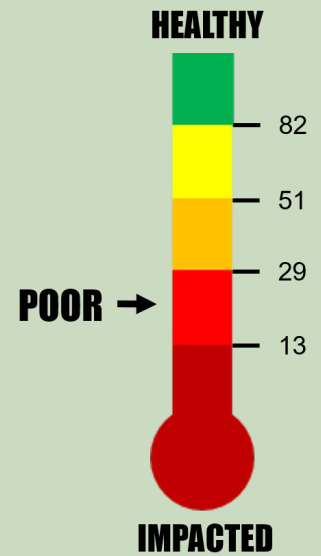
Municipality: Morristown

County: Morris

Drainage Area (sq miles):

Sample Date: 9/4/2014

Site Type: Probabilistic



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	43.86
Metric 3 -Percent tolerant fish	0.00
Metric 4 -Proportion of total richness as native	37.50
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	27.2
Water Temperature (°C)	20.29
Dissolved Oxygen (mg/L)	7.23
% Saturation	80.1
pH	6.38
Conductivity (uS/cm)	713

Headwaters IBI Score (0-100): ***13.56***

IBI Rating: ***Poor***

High Gradient Habitat Score (0-200): ***92***

Habitat Rating: ***Marginal***

Summary: This site on a tributary to the Great Brook received a "poor" rating in 2014. This site was dominated by pollution tolerant fishes, frogs, and non native crayfish . This site lacked suitable habitat for aquatic fauna and contained highly embedded and mucky substrate.

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Common Name	Scientific Name	Abundance
Green Frog	<i>Lithobates clamitans</i>	68
Fathead Minnow	<i>Pimephales promelas</i>	32
Virile Crayfish	<i>Orconectes virilis</i>	9
Western Mosquitofish	<i>Gambusia affinis</i>	7
Green Sunfish	<i>Lepomis cyanellus</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Bullfrog	<i>Lithobates catesbeianus</i>	1
Red Swamp Crayfish	<i>Procambarus clarkii</i>	1