

FIBI507-R1

Whippany River Tributary

Washington Valley Road

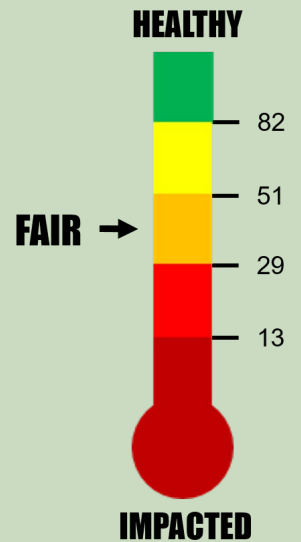
Municipality: Mendham

County: Morris

Drainage Area (sq miles): 0.95

Sample Date: 8/26/2013

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	65.79
Metric 3 -Percent tolerant fish	97.12
Metric 4 -Proportion of total richness as native	60.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	20.8
Water Temperature (°C)	17.33
Dissolved Oxygen (mg/L)	8.5
% Saturation	86.3
pH	5.64
Conductivity (uS/cm)	265

Headwaters IBI Score (0-100): 42.71

IBI Rating: Fair

High Gradient Habitat Score (0-200): 148

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	119
Creek Chub	<i>Semotilus atromaculatus</i>	67
Brown Trout	<i>Salmo trutta</i>	47
Virile Crayfish	<i>Orconectes virilis</i>	14
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	14
Common Shiner	<i>Luxilus cornutus</i>	12
Pumpkinseed	<i>Lepomis gibbosus</i>	4
White Sucker	<i>Catostomus commersoni</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	1