

FIBI574-R1 Sparkill Brook Tributary

Rockleigh Rd

Municipality: Rockleigh

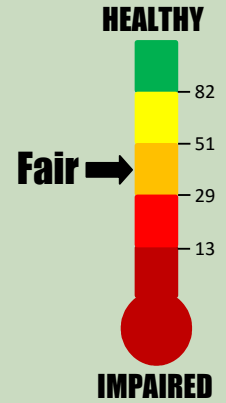
County: Bergen

Drainage Area (sq miles): 0.95

Average Width (m): 5.00

Sample Date: 8 /14/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	32.89
Metric 3 -Percent tolerant fish	79.79
Metric 4 -Proportion of total richness as native	88.89
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	24.3
Water Temperature (°C)	21.27
Dissolved Oxygen (mg/L)	8.30
% Saturation	93.7
pH	7.2
Conductivity (uS/cm)	893.1
Nitrate/Nitrite (mg/L):	0.433
Total Kjeldahl (mg/L):	0.522
Total Phosphorus (mg/L):	0.0485

<i>Headwaters IBI Score (0-100):</i>	<i>50.26</i>
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<i>IBI Rating:</i>	<i>Fair</i>
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<i>High Gradient Habitat Score (0-200):</i>	<i>119</i>
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<i>Habitat Rating:</i>	<i>Suboptimal</i>
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Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	101
Tessellated Darter	<i>Etheostoma olmstedi</i>	65
Blacknose Dace	<i>Rhinichthys atratulus</i>	58
White Sucker	<i>Catostomus commersonii</i>	21
American Eel	<i>Anguilla rostrata</i>	20
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	16
Western Mosquitofish	<i>Gambusia affinis</i>	13
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1
Bullfrog	<i>Lithobates catesbeianus</i>	1