

# FIBI546-R1

## Quarryville Brook

Lott Rd

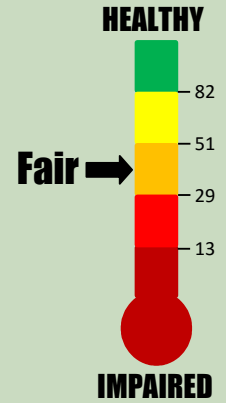
Municipality: Wantage

County: Sussex

Drainage Area (sq miles): 1.32

Sample Date: 9 /25/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	37.59
Metric 3 -Percent tolerant fish	95.86
Metric 4 -Proportion of total richness as native	88.89
Metric 5 -Percent native crayfish	71.43
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	27
Water Temperature (°C)	19.43
Dissolved Oxygen (mg/L)	4.48
% Saturation	49.2
pH	6.97
Conductivity (uS/cm)	395.4
Nitrate/Nitrite (mg/L):	0.241
Total Kjeldahl (mg/L):	0.308
Total Phosphorus (mg/L):	0.081

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***Headwaters IBI Score (0-100):*** ***48.96***

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***IBI Rating:*** ***Fair***

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***High Gradient Habitat Score (0-200):*** ***121***

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***Habitat Rating:*** ***Suboptimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Creek Chub	<i>Semotilus atromaculatus</i>	342
Blacknose Dace	<i>Rhinichthys atratulus</i>	189
Green Frog	<i>Lithobates clamitans</i>	41
Pumpkinseed	<i>Lepomis gibbosus</i>	20
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	11
Common Crayfish	<i>Cambarus bartonii bartonii</i>	5
Rusty Crayfish	<i>Orconectes rusticus</i>	2
White Sucker	<i>Catostomus commersoni</i>	2
Bullfrog	<i>Lithobates catesbeianus</i>	1