

FIBI575-R1

Stag Brook

Stag Hill Rd

Municipality: Mahwah

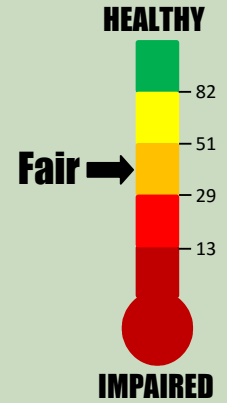
County: Bergen

Drainage Area (sq miles): 1.18

Average Width (m): 4.35

Sample Date: 8 /13/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	52.63
Metric 3 -Percent tolerant fish	88.85
Metric 4 -Proportion of total richness as native	66.67
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	1.65

Air Temperature (°C)	22.7
Water Temperature (°C)	20.58
Dissolved Oxygen (mg/L)	8.79
% Saturation	97.2
pH	6.96
Conductivity (uS/cm)	170.2
Nitrate/Nitrite (mg/L):	0.0918
Total Kjeldahl (mg/L):	0.219
Total Phosphorus (mg/L):	0.0235

<i>Headwaters IBI Score (0-100):</i>	<i>40.52</i>
---	---------------------

<i>IBI Rating:</i>	<i>Fair</i>
---------------------------	--------------------

<i>High Gradient Habitat Score (0-200):</i>	<i>152</i>
--	-------------------

<i>Habitat Rating:</i>	<i>Suboptimal</i>
-------------------------------	--------------------------

FIBI575-R1

Stag Brook

Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	53
Blacknose Dace	<i>Rhinichthys atratulus</i>	21
White Sucker	<i>Catostomus commersonii</i>	6
Virile Crayfish	<i>Orconectes virilis</i>	5
Green Sunfish	<i>Lepomis cyanellus</i>	3
Brook Trout	<i>Salvelinus fontinalis</i>	1