

FIBI554-R1

Papakating Creek Tributary

Ross Corner Sussex Rd (Rt 565)

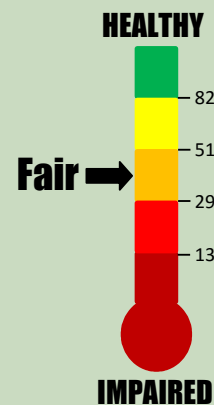
Municipality: Frankford

County: Sussex

Drainage Area (sq miles): 1.31

Sample Date: 9 /8 /2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	20.24
Metric 3 -Percent tolerant fish	96.90
Metric 4 -Proportion of total richness as native	85.71
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	17.9
Water Temperature (°C)	14.01
Dissolved Oxygen (mg/L)	9.68
% Saturation	94.6
pH	7.8
Conductivity (uS/cm)	345.7
Nitrate/Nitrite (mg/L):	0.284
Total Kjeldahl (mg/L):	0.301
Total Phosphorus (mg/L):	0.047

Headwaters IBI Score (0-100): ***39.37***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***142***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	185
Creek Chub	<i>Semotilus atromaculatus</i>	151
Rusty Crayfish	<i>Orconectes rusticus</i>	27
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	20
Tessellated Darter	<i>Etheostoma olmstedi</i>	17
Bluegill	<i>Lepomis macrochirus</i>	12
White Sucker	<i>Catostomus commersoni</i>	12
Longnose Dace	<i>Rhinichthys cataractae</i>	10
Eastern Mudminnow	<i>Umbra pygmaea</i>	6
Redfin Pickerel	<i>Esox americanus americanus</i>	6
Cutlips Minnow	<i>Exoglossum maxillingua</i>	2
Common Shiner	<i>Luxilus cornutus</i>	2
Green Frog	<i>Lithobates clamitans</i>	1
Pickerel Frog	<i>Lithobates palustris</i>	1