

# FIBI566-R1 Kanouse Brook

Oxbow Lane

Municipality: West Milford

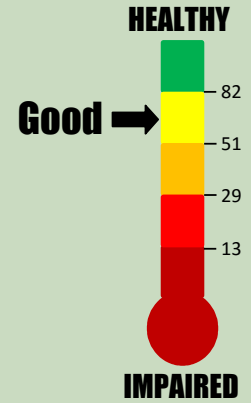
County: Passaic

Drainage Area (sq miles): 1.26

Average Width (m): 2.90

Sample Date: 8 /6 /2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	100.00
Metric 3 -Percent tolerant fish	97.37
Metric 4 -Proportion of total richness as native	77.78
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	15.40

Air Temperature (°C)	29.2
Water Temperature (°C)	19.79
Dissolved Oxygen (mg/L)	7.66
% Saturation	85.1
pH	6.27
Conductivity (uS/cm)	154.2
Nitrate/Nitrite (mg/L):	0.101
Total Kjeldahl (mg/L):	0.466
Total Phosphorus (mg/L):	0.0291

---

***Headwaters IBI Score (0-100):*** ***53.98***

---

***IBI Rating:*** ***Good***

---

***High Gradient Habitat Score (0-200):*** ***155***

---

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

---

# FIBI566-R1

## Kanouse Brook

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedi</i>	30
Eastern Mudminnow	<i>Umbra pygmaea</i>	28
Redfin Pickerel	<i>Esox americanus americanus</i>	11
Green Frog	<i>Lithobates clamitans</i>	9
Brook Trout	<i>Salvelinus fontinalis</i>	7
Virile Crayfish	<i>Orconectes virilis</i>	3
Pumpkinseed	<i>Lepomis gibbosus</i>	2
Bullfrog	<i>Lithobates catesbeianus</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	1