

# FIBI532-R2

## Rockaway Creek

Fairmount Road

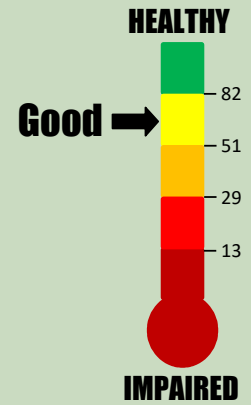
Municipality: Tewksbury

County: Hunterdon

Drainage Area (sq miles): 2.05

Average Width (m): 4.00

Sample Date: 7 /22/2019



Site Type: Fixed

Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	29.24
Metric 3 -Percent tolerant fish	83.54
Metric 4 -Proportion of total richness as native	90.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	25.9
Water Temperature (°C)	21.61
Dissolved Oxygen (mg/L)	8.44
% Saturation	96.9
pH	6.92
Conductivity (uS/cm)	218
Nitrate/Nitrite (mg/L):	1.57
Total Kjeldahl (mg/L):	0.245
Total Phosphorus (mg/L):	0.0316

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***Headwaters IBI Score (0-100):*** ***56.02***

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

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***High Gradient Habitat Score (0-200):*** ***149***

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

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**Summary:** Rockaway Creek was rated "good" in 2014 and remained "good" in 2019.

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Brown Trout	<i>Salmo trutta</i>	68
Blacknose Dace	<i>Rhinichthys atratulus</i>	40
American Eel	<i>Anguilla rostrata</i>	14
White Sucker	<i>Catostomus commersonii</i>	11
Longnose Dace	<i>Rhinichthys cataractae</i>	9
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	8
Creek Chub	<i>Semotilus atromaculatus</i>	7
Tessellated Darter	<i>Etheostoma olmstedi</i>	7
Fallfish	<i>Semotilus corporalis</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1