

FIBI118-R4

Peckman River

W Bradford Ave

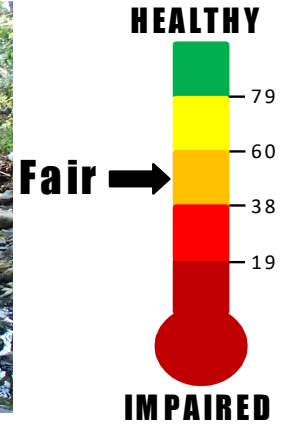
Municipality: Cedar Grove

County: Essex

Drainage Area (sq miles): 5

Sample Date: 8 / 8 / 2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	49.70
Metric 2-%Cold Non-tolerant Coolwater	95.94
Metric 3-%Generalist Richness	0.00
Metric 4-Tolerance Index	89.13
Metric 5-%Lithophilic Richness	57.95
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	42.92
Metric 8-%Benthic Insectivore Richness	0.00

Field Chemistry

Air Temp (°C)	31
Water Temperature (°C)	24.21
Dissolved Oxygen (mg/L)	7.4
% Saturation	88.4
pH	6.97
Conductivity (µS/cm)	812.5
Total Kjeldahl (mg/L)	0.56
Total Phosphorus (mg/L)	0.08
Nitrate/Nitrite (mg/L)	7.66

Northern Fish IBI Score (0-100): 54.46

IBI Rating: Fair

High Gradient Habitat Score (0-200): 123

Habitat Rating: Suboptimal

FIBI118-R4

Peckman River

Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	526
Blacknose Dace	<i>Rhinichthys atratulus</i>	283
Largemouth Bass	<i>Micropterus salmoides</i>	3
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Goldfish	<i>Carassius auratus</i>	1