

FIBI244-R3

SWB Rancocas Creek

Elmwood Road

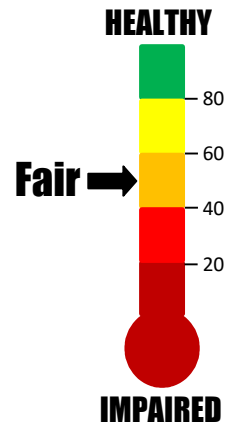
Municipality: Evesham

County: Burlington

Drainage Area (sq miles): 2.7

Sample Date: 06/27/2016

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	61.57
Metric 2 - Benthic Sp	76.10
Metric 3 - Intolerant Sp.	17.10
Metric 4 - %Tolerant Sp.	80.76
Metric 5-%Insectivore Sp.	19.14
Metric 6 -%Piscivorous Sp.	10.53
Metric 7 - Abundance-tolerance	65.55
Metric 8-% DELTs	87.69

Field Chemistry

Air Temp (°C)	21
Water Temperature (°C)	18.33
Dissolved Oxygen (mg/L)	6.91
% Saturation	72.7
pH	7.25
Conductivity (µS/cm)	571.7

Southern Fish IBI Score (0-100): 52.31

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 122

Habitat Rating: Suboptimal

Summary: The score and rating for FIBI244 on SWB Rancocas Creek increased drastically from the results in 2009. The site was originally sampled in 2009 as part of the IBI development/validation phase and received a "poor" rating.

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedi</i>	156
Redbreast Sunfish	<i>Lepomis auritus</i>	25
Green Sunfish	<i>Lepomis cyanellus</i>	25
American Eel	<i>Anguilla rostrata</i>	13
Largemouth Bass	<i>Micropterus salmoides</i>	6
Creek Chubsucker	<i>Erimyzon oblongus</i>	4
Bluegill	<i>Lepomis macrochirus</i>	3
Pirate Perch	<i>Aphredoderus sayanus</i>	2
Mummichog	<i>Fundulus heteroclitus</i>	2
Redfin Pickerel	<i>Esox americanus americanus</i>	2
Eastern Mudminnow	<i>Umbra pygmaea</i>	1