

FIBI217-R3

Rancocas Creek S/B

Eayrestown Road

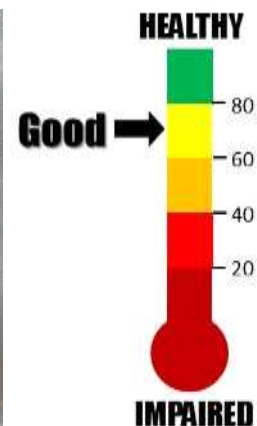
Municipality: Lumberton

County: Burlington

Drainage Area (sq miles): 66

Sample Date: 09/03/2015

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	55.76
Metric 2 - Benthic Sp	80.26
Metric 3 - Intolerant Sp.	63.29
Metric 4 - %Tolerant Sp.	81.54
Metric 5-%Insectivore Sp.	52.06
Metric 6 -%Piscivorous Sp.	3.48
Metric 7 - Abundance-tolerance	100.00
Metric 8-% DELTs	93.49

Field Chemistry

Air Temp (°C)	26.7
Water Temperature (°C)	23.58
Dissolved Oxygen (mg/L)	6.72
% Saturation	79.1
pH	6.7
Conductivity (µS/cm)	168.1

Southern Fish IBI Score (0-100): 66.24

IBI Rating: Good

Low Gradient Habitat Score (0-200): 140

Habitat Rating: Suboptimal

Summary: Scores and ratings at this site have fluctuated since it was first sampled in 2008, but the recent score/rating is indicative of a healthy medium-sized river fish community. Key attributes of this community included the collection of several intolerant species, a healthy minnow population, and collecting several migratory species which indicates connectivity within the watershed. Impacts to the surrounding habitat are indicative of hydromodification including some channelization and lack of sinuosity.

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Common Name	Scientific Name	Abundance
Eastern Silvery Minnow	<i>Hybognathus regius</i>	153
Fallfish	<i>Semotilus corporalis</i>	77
American Eel	<i>Anguilla rostrata</i>	60
Redbreast Sunfish	<i>Lepomis auritus</i>	46
Tessellated Darter	<i>Etheostoma olmstedi</i>	46
Sea Lamprey	<i>Petromyzon marinus</i>	21
White Sucker	<i>Catostomus commersoni</i>	10
Tadpole Madtom	<i>Noturus gyrinus</i>	8
Pumpkinseed	<i>Lepomis gibbosus</i>	7
Satinfin Shiner	<i>Cyprinella analostana</i>	6
Green Sunfish	<i>Lepomis cyanellus</i>	5
Channel Catfish	<i>Ictalurus punctatus</i>	5
Chain Pickerel	<i>Esox niger</i>	4
Bluegill	<i>Lepomis macrochirus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	1