

FIBI224-R3

Rancocas Creek N/B

Birmingham Road

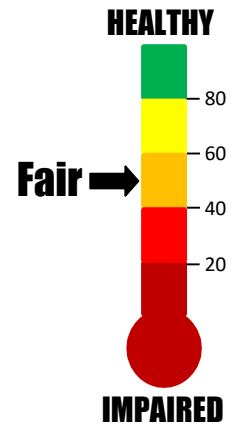
Municipality: Pemberton Twp

County: Burlington

Drainage Area (sq miles): 126

Sample Date: 08/29/2016

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	57.28
Metric 2 - Benthic Sp	74.44
Metric 3 - Intolerant Sp.	52.55
Metric 4 - %Tolerant Sp.	59.45
Metric 5-%Insectivore Sp.	75.41
Metric 6 -%Piscivorous Sp.	12.09
Metric 7 - Abundance-tolerance	37.79
Metric 8-% DELTs	83.84

Field Chemistry

Air Temp (°C)	24.8
Water Temperature (°C)	23.19
Dissolved Oxygen (mg/L)	7.12
% Saturation	82.1
pH	6.15
Conductivity (µS/cm)	98.5

Southern Fish IBI Score (0-100): 56.61

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 132

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Redbreast Sunfish	<i>Lepomis auritus</i>	60
American Eel	<i>Anguilla rostrata</i>	58
Bluegill	<i>Lepomis macrochirus</i>	11
Tessellated Darter	<i>Etheostoma olmstedi</i>	11
Fallfish	<i>Semotilus corporalis</i>	11
White Catfish	<i>Ameiurus catus</i>	8
Chain Pickerel	<i>Esox niger</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	5
Pirate Perch	<i>Aphredoderus sayanus</i>	4
Tadpole Madtom	<i>Noturus gyrinus</i>	3
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Black Crappie	<i>Pomoxis nigromaculatus</i>	1
Creek Chubsucker	<i>Erimyzon oblongus</i>	1
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	1