

FIBI264-R2

Salem River

Commissioners Pike

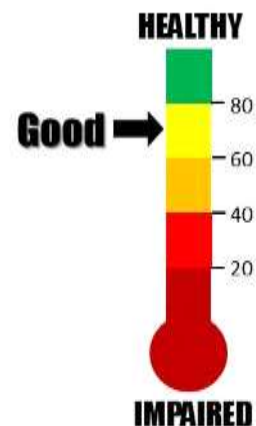
Municipality: Upper Pittsgrove Twp

County: Salem

Drainage Area (sq miles): 5.8

Sample Date: 09/15/2014

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	62.15
Metric 2 - Benthic Sp	100.00
Metric 3 - Intolerant Sp.	54.40
Metric 4 - %Tolerant Sp.	75.32
Metric 5-%Insectivore Sp.	26.83
Metric 6 -%Piscivorous Sp.	24.55
Metric 7 - Abundance-tolerance	100.00
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	16.9
Water Temperature (°C)	19.25
Dissolved Oxygen (mg/L)	6.66
% Saturation	71.5
pH	7.25
Conductivity (µS/cm)	216

Southern Fish IBI Score (0-100): 67.90

IBI Rating: Good

Low Gradient Habitat Score (0-200): 150

Habitat Rating: Suboptimal

Summary: This stretch of the Salem River exhibited clean sand/gravel substrate, good flow and overhead cover, plentiful woody debris, and a healthy fish community.

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	275
Bluegill	<i>Lepomis macrochirus</i>	157
Spottail Shiner	<i>Notropis hudsonius</i>	135
Largemouth Bass	<i>Micropterus salmoides</i>	53
Satinfin Shiner	<i>Cyprinella analostana</i>	51
Brown Bullhead	<i>Ameiurus nebulosus</i>	49
White Sucker	<i>Catostomus commersoni</i>	44
Tadpole Madtom	<i>Noturus gyrinus</i>	39
Redbreast Sunfish	<i>Lepomis auritus</i>	35
Yellow Perch	<i>Perca flavescens</i>	15
Pumpkinseed	<i>Lepomis gibbosus</i>	13
Western Mosquitofish	<i>Gambusia affinis</i>	5