

NJS2016-035-R3

Bobbys Run Tributary

County Rte 612

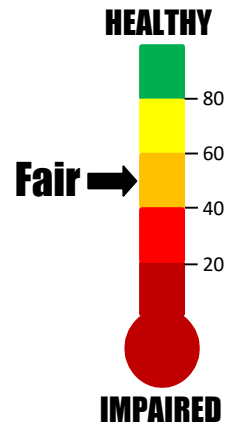
Municipality: Lumberton

County: Burlington

Drainage Area (sq miles): 2.1

Sample Date: 06/14/2016

Site Type: Probabilistic



IBI Metrics

Metric 1 - Native Sp.	70.22
Metric 2 - Benthic Sp	11.68
Metric 3 - Intolerant Sp.	71.24
Metric 4 - %Tolerant Sp.	71.79
Metric 5-%Insectivore Sp.	84.92
Metric 6 -%Piscivorous Sp.	3.71
Metric 7 - Abundance-tolerance	62.54
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	19.5
Water Temperature (°C)	17.67
Dissolved Oxygen (mg/L)	5.9
% Saturation	61.4
pH	6.34
Conductivity (µS/cm)	204.6

Southern Fish IBI Score (0-100): 59.51

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 131

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	78
Golden Shiner	<i>Notemigonus crysoleucas</i>	49
Eastern Mudminnow	<i>Umbra pygmaea</i>	35
Green Sunfish	<i>Lepomis cyanellus</i>	34
American Eel	<i>Anguilla rostrata</i>	22
Pirate Perch	<i>Aphredoderus sayanus</i>	18
Bluegill	<i>Lepomis macrochirus</i>	11
Brown Bullhead	<i>Ameiurus nebulosus</i>	3
Chain Pickerel	<i>Esox niger</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Redfin Pickerel	<i>Esox americanus americanus</i>	1