

FIBI257-R3

Muddy Run UNT

Almond Road

Municipality: Pittsgrove Twp

County: Salem

Drainage Area (sq miles): 3.5

Sample Date: 09/15/2015

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	86.19
Metric 2 - Benthic Sp	100.00
Metric 3 - Intolerant Sp.	100.00
Metric 4 - %Tolerant Sp.	98.19
Metric 5-%Insectivore Sp.	100.00
Metric 6 -%Piscivorous Sp.	20.19
Metric 7 - Abundance-tolerance	97.32
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	24.4
Water Temperature (°C)	16.54
Dissolved Oxygen (mg/L)	7.13
% Saturation	70.8
pH	5.54
Conductivity (µS/cm)	91.1

Southern Fish IBI Score (0-100): 87.74

IBI Rating: Excellent

Low Gradient Habitat Score (0-200): 146

Habitat Rating: Suboptimal

Summary: Muddy Run UNT is one of the highest scoring sites in the network and has consistently scored "excellent". Despite having more than 20% urban land use /land cover in the surrounding watershed, the fish community resembles a reference Inner Coastal Plain stream.

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Common Name	Scientific Name	Abundance
Eastern Mudminnow	<i>Umbra pygmaea</i>	98
Tessellated Darter	<i>Etheostoma olmstedii</i>	50
Banded Sunfish	<i>Enneacanthus obesus</i>	31
Creek Chubsucker	<i>Erimyzon oblongus</i>	26
Pirate Perch	<i>Aphredoderus sayanus</i>	22
Pumpkinseed	<i>Lepomis gibbosus</i>	19
Chain Pickerel	<i>Esox niger</i>	15
Mud Sunfish	<i>Acantharchus pomotis</i>	15
Brown Bullhead	<i>Ameiurus nebulosus</i>	7
Bluegill	<i>Lepomis macrochirus</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	4
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Tadpole Madtom	<i>Noturus gyrinus</i>	1
Swamp Darter	<i>Etheostoma fusiforme</i>	1