

# FIBI514-R1

## Peach Orchard Brook

Hussa Street

Municipality: Linden

County: Union

Drainage Area (sq miles): 2.9

Sample Date: 6/28/2013

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	0.00
Metric 3 -Percent tolerant fish	0.00
Metric 4 -Proportion of total richness as native	66.67
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	27
Water Temperature (°C)	23.97
Dissolved Oxygen (mg/L)	7.48
% Saturation	89.5
pH	6.16
Conductivity (uS/cm)	368

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***Headwaters IBI Score (0-100):*** ***11.11***

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***IBI Rating:*** ***Very Poor***

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***High Gradient Habitat Score (0-200):*** ***73***

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***Habitat Rating:*** ***Marginal***

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**Summary:** FIBI514 was rated "very poor" in 2013. This site contained tolerant fish and a non native crayfish. Peach Orchard Brook is located adjacent to a park and lacked suitable habitat, had poor bank stability, and had several stormwater outfalls.

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Banded Killifish	<i>Fundulus diaphanus</i>	578
Green Sunfish	<i>Lepomis cyanellus</i>	58
Mummichog	<i>Fundulus heteroclitus</i>	39
Pumpkinseed	<i>Lepomis gibbosus</i>	29
Brown Bullhead	<i>Ameiurus nebulosus</i>	4
Red Swamp Crayfish	<i>Procambarus clarkii</i>	3