

# FIBI514-R1r Peach Orchard Brook

Hussa Street

Municipality: Linden

County: Union

Drainage Area (sq miles): 2.9

Sample Date: 5/23/2014

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	71.43
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	18.6
Water Temperature (°C)	16.53
Dissolved Oxygen (mg/L)	10.86
% Saturation	111.2
pH	6.74
Conductivity (uS/cm)	698

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***Headwaters IBI Score (0-100):*** ***11.90***

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

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***High Gradient Habitat Score (0-200):*** ***87***

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

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**Summary:** FIBI514 was rated "very poor" in 2014, and also in its previous sampling 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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## Peach Orchard Brook

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Banded Killifish	<i>Fundulus diaphanus</i>	471
Green Sunfish	<i>Lepomis cyanellus</i>	95
Mummichog	<i>Fundulus heteroclitus</i>	38
Pumpkinseed	<i>Lepomis gibbosus</i>	24
Brown Bullhead	<i>Ameiurus nebulosus</i>	6
Golden Shiner	<i>Notemigonus crysoleucas</i>	3
Red Swamp Crayfish	<i>Procambarus clarkii</i>	2