

# FIBI042-R3

## Elizabeth River

Lakeview Drive

Municipality: Hillside Twp

County: Union

Drainage Area (sq miles): 16

Sample Date: 07/11/2014

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	0.00
Metric 2-%Cold Non-tolerant Coolwater	0.00
Metric 3-%Generalist Richness	6.05
Metric 4-Tolerance Index	0.00
Metric 5-%Lithophilic Richness	0.00
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	0.00
Metric 8-%Benthic Insectivore Richness	0.00

### Field Chemistry

Air Temp (°C)	27.2
Water Temperature (°C)	23.01
Dissolved Oxygen (mg/L)	8.77
% Saturation	101.9
pH	7.33
Conductivity (µS/cm)	914

***Northern Fish IBI Score (0-100): 0.76***

***IBI Rating: Very Poor***

***High Gradient Habitat Score (0-200): 78***

***Habitat Rating: Marginal***

**Summary:** There is very little redeeming value to the Elizabeth River. The only positive was the collection of 2 American eel which are migratory and indicate some connectivity within the watershed and they are the only species collected at the site which were not a generalist feeder.

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## **Elizabeth River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Mummichog	<i>Fundulus heteroclitus</i>	280
American Eel	<i>Anguilla rostrata</i>	2
Banded Killifish	<i>Fundulus diaphanus</i>	2
Green Sunfish	<i>Lepomis cyanellus</i>	1