

FIBI015-R3r

Mile Run

Easton Avenue

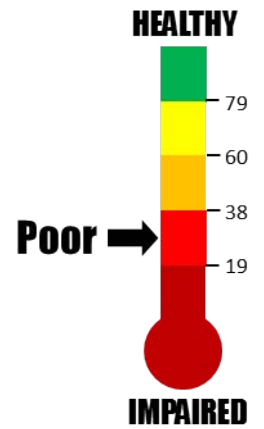
Municipality: Franklin Twp

County: Somerset

Drainage Area (sq miles): 6.1

Sample Date: 06/04/2014

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	13.58
Metric 2-%Cold Non-tolerant Coolwater	7.40
Metric 3-%Generalist Richness	28.95
Metric 4-Tolerance Index	10.65
Metric 5-%Lithophilic Richness	39.51
Metric 6-%Cyprinidae	0.73
Metric 7-%Dominant 3 Taxa	21.41
Metric 8-%Benthic Insectivore Richness	48.16

Field Chemistry

Air Temp (°C)	25
Water Temperature (°C)	19.79
Dissolved Oxygen (mg/L)	5.92
% Saturation	65.1
pH	7.13
Conductivity (µS/cm)	680.7

Northern Fish IBI Score (0-100): 21.30

IBI Rating: Poor

High Gradient Habitat Score (0-200): 96

Habitat Rating: Marginal

Summary: The conductivity was the highest measured in the four sampling events at Mile Run. The stream has several large storm water outfalls which deliver rain water and road salt directly into the stream from a number of nearby roads and parking lots. Severe bank erosion was noted near the end of the stretch and several downed trees collected large amounts of debris and garbage. As a result of the numerous water quality and habitat impairments, overall fish abundance was low and scores for most metrics were very low.

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Mile Run

Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	118
Blacknose Dace	<i>Rhinichthys atratulus</i>	19
White Sucker	<i>Catostomus commersoni</i>	14
Creek Chub	<i>Semotilus atromaculatus</i>	13
Green Sunfish	<i>Lepomis cyanellus</i>	5
Tessellated Darter	<i>Etheostoma olmstedii</i>	5
Oriental Weatherfish	<i>Misgurnus anguillicaudatus</i>	3
Redbreast Sunfish	<i>Lepomis auritus</i>	3
Banded Killifish	<i>Fundulus diaphanus</i>	2
Common Shiner	<i>Luxilus cornutus</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1