

NJS11-125-R3

Six Mile Run

Middlebush Road

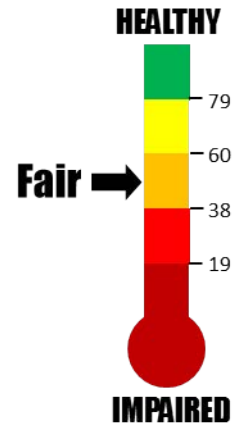
Municipality: Franklin Twp

County: Somerset

Drainage Area (sq miles): 11

Sample Date: 08/13/2012

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	49.10
Metric 2-%Cold Non-tolerant Coolwater	48.85
Metric 3-%Generalist Richness	78.82
Metric 4-Tolerance Index	58.62
Metric 5-%Lithophilic Richness	48.30
Metric 6-%Cyprinidae	55.31
Metric 7-%Dominant 3 Taxa	67.26
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	
Water Temperature (°C)	22.09
Dissolved Oxygen (mg/L)	8.12
% Saturation	93
pH	6.59
Conductivity (µS/cm)	320

Northern Fish IBI Score (0-100): 56.30

IBI Rating: Fair

High Gradient Habitat Score (0-200): 149

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
White Sucker	<i>Catostomus commersoni</i>	133
Common Shiner	<i>Luxilus cornutus</i>	112
Tessellated Darter	<i>Etheostoma olmstedi</i>	97
Spottail Shiner	<i>Notropis hudsonius</i>	74
Longnose Dace	<i>Rhinichthys cataractae</i>	62
American Eel	<i>Anguilla rostrata</i>	53
Fallfish	<i>Semotilus corporalis</i>	36
Swallowtail Shiner	<i>Notropis procne</i>	23
Creek Chub	<i>Semotilus atromaculatus</i>	21
Blacknose Dace	<i>Rhinichthys atratulus</i>	20
Redbreast Sunfish	<i>Lepomis auritus</i>	14
Satinfin Shiner	<i>Cyprinella analostana</i>	12
Redfin Pickerel	<i>Esox americanus americanus</i>	10
Pumpkinseed	<i>Lepomis gibbosus</i>	9
Banded Killifish	<i>Fundulus diaphanus</i>	6
Green Sunfish	<i>Lepomis cyanellus</i>	3
Creek Chubsucker	<i>Erimyzon oblongus</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	1