

FIBI094a-R3

Passaic River

Summit Avenue

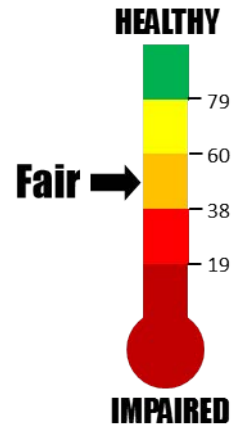
Municipality: Summit City

County: Union

Drainage Area (sq miles):100

Sample Date: 09/19/2013

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	60.51
Metric 2-%Cold Non-tolerant Coolwater	26.84
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	59.41
Metric 5-%Lithophilic Richness	16.10
Metric 6-%Cyprinidae	44.87
Metric 7-%Dominant 3 Taxa	41.61
Metric 8-%Benthic Insectivore Richness	29.43

Field Chemistry

Air Temp (°C)	18.7
Water Temperature (°C)	15.31
Dissolved Oxygen (mg/L)	9.78
% Saturation	97.5
pH	7.36
Conductivity (µS/cm)	526.4

Northern Fish IBI Score (0-100): 41.90

IBI Rating: Fair

High Gradient Habitat Score (0-200): 115

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Redbreast Sunfish	<i>Lepomis auritus</i>	220
Pumpkinseed	<i>Lepomis gibbosus</i>	56
Common Carp	<i>Cyprinus carpio</i>	46
Tessellated Darter	<i>Etheostoma olmstedii</i>	31
Satinfin Shiner	<i>Cyprinella analostana</i>	23
White Sucker	<i>Catostomus commersoni</i>	22
Yellow Bullhead	<i>Ameiurus natalis</i>	17
Bluegill	<i>Lepomis macrochirus</i>	17
Redfin Pickerel	<i>Esox americanus americanus</i>	15
Longnose Dace	<i>Rhinichthys cataractae</i>	9
Largemouth Bass	<i>Micropterus salmoides</i>	9
Green Sunfish	<i>Lepomis cyanellus</i>	9
Banded Killifish	<i>Fundulus diaphanus</i>	8
Blacknose Dace	<i>Rhinichthys atratulus</i>	2
Eastern Silvery Minnow	<i>Hybognathus regius</i>	1
Yellow Perch	<i>Perca flavescens</i>	1
Black Crappie	<i>Pomoxis nigromaculatus</i>	1
Northern Pike	<i>Esox lucius</i>	1