

FIBI029-R4

Alexauken Creek

Alexauken Creek Road

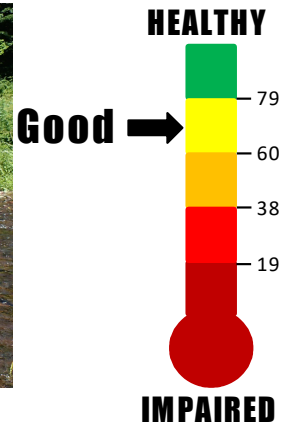
Municipality: West Amwell Twp

County: Hunterdon

Drainage Area (sq miles): 15

Sample Date: 6/28/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	38.65
Metric 2-%Cold Non-tolerant Coolwater	67.71
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	57.51
Metric 5-%Lithophilic Richness	54.33
Metric 6-%Cyprinidae	67.73
Metric 7-%Dominant 3 Taxa	91.65
Metric 8-%Benthic Insectivore Richness	49.67

Field Chemistry

Air Temp (°C)	23
Water Temperature (°C)	18.72
Dissolved Oxygen (mg/L)	9.3
% Saturation	98.3
pH	7.5
Conductivity (µS/cm)	321.6
Total Kjeldahl (mg/L)	0.18
Total Phosphorus (mg/L)	0.05
Nitrate/Nitrite (mg/L)	1.32

Northern Fish IBI Score (0-100): 60.46

IBI Rating: Good

High Gradient Habitat Score (0-200): 141

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	400
American Eel	<i>Anguilla rostrata</i>	132
Banded Killifish	<i>Fundulus diaphanus</i>	87
Redbreast Sunfish	<i>Lepomis auritus</i>	35
Tessellated Darter	<i>Etheostoma olmstedii</i>	27
Longnose Dace	<i>Rhinichthys cataractae</i>	16
White Sucker	<i>Catostomus commersoni</i>	13
Rock Bass	<i>Ambloplites rupestris</i>	8
Margined Madtom	<i>Noturus insignis</i>	7
Common Shiner	<i>Luxilus cornutus</i>	6
Creek Chub	<i>Semotilus atromaculatus</i>	4
Green Sunfish	<i>Lepomis cyanellus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Smallmouth Bass	<i>Micropterus dolomieu</i>	1