

FIBI064-R3

Pequest River

Johnsonburg Road

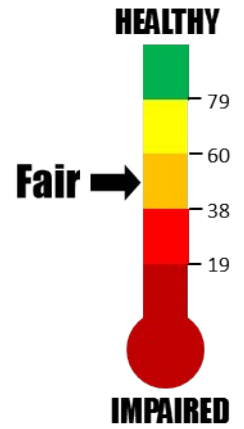
Municipality: Allamuchy Twp

County: Warren

Drainage Area (sq miles): 37

Sample Date: 06/26/2012

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	28.75
Metric 2-%Cold Non-tolerant Coolwater	46.52
Metric 3-%Generalist Richness	69.02
Metric 4-Tolerance Index	53.12
Metric 5-%Lithophilic Richness	45.28
Metric 6-%Cyprinidae	20.98
Metric 7-%Dominant 3 Taxa	50.19
Metric 8-%Benthic Insectivore Richness	49.67

Field Chemistry

Air Temp (°C)	18.8
Water Temperature (°C)	19.09
Dissolved Oxygen (mg/L)	8.2
% Saturation	90.6
pH	7.64
Conductivity (µS/cm)	524

Northern Fish IBI Score (0-100): 45.44

IBI Rating: Fair

High Gradient Habitat Score (0-200): 134

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	102
American Eel	<i>Anguilla rostrata</i>	89
Banded Killifish	<i>Fundulus diaphanus</i>	79
Redbreast Sunfish	<i>Lepomis auritus</i>	49
Bluegill	<i>Lepomis macrochirus</i>	23
Swallowtail Shiner	<i>Notropis procne</i>	20
Margined Madtom	<i>Noturus insignis</i>	20
Rock Bass	<i>Ambloplites rupestris</i>	16
Common Shiner	<i>Luxilus cornutus</i>	11
Blacknose Dace	<i>Rhinichthys atratulus</i>	9
Cutlips Minnow	<i>Exoglossum maxillingua</i>	8
White Sucker	<i>Catostomus commersoni</i>	7
Green Sunfish	<i>Lepomis cyanellus</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Redfin Pickerel	<i>Esox americanus americanus</i>	3
Sea Lamprey	<i>Petromyzon marinus</i>	1