

NJS11-156-R3

Peckman River

Best Buy Parking Lot

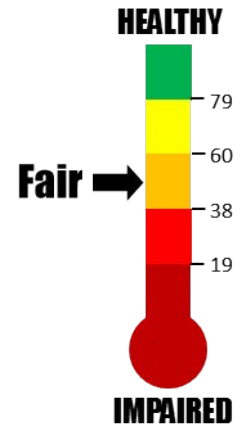
Municipality: Woodland Park Boro

County: Passaic

Drainage Area (sq miles): 9.7

Sample Date: 09/26/2013

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	25.40
Metric 2-%Cold Non-tolerant Coolwater	54.89
Metric 3-%Generalist Richness	29.91
Metric 4-Tolerance Index	63.04
Metric 5-%Lithophilic Richness	30.50
Metric 6-%Cyprinidae	60.20
Metric 7-%Dominant 3 Taxa	51.38
Metric 8-%Benthic Insectivore Richness	27.88

Field Chemistry

Air Temp (°C)	18.6
Water Temperature (°C)	15.77
Dissolved Oxygen (mg/L)	10.19
% Saturation	102.9
pH	7.52
Conductivity (µS/cm)	753.9

Northern Fish IBI Score (0-100): 42.90

IBI Rating: Fair

High Gradient Habitat Score (0-200): 113

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	174
Tessellated Darter	<i>Etheostoma olmstedii</i>	55
Eastern Silvery Minnow	<i>Hybognathus regius</i>	49
Pumpkinseed	<i>Lepomis gibbosus</i>	47
White Sucker	<i>Catostomus commersoni</i>	39
Redbreast Sunfish	<i>Lepomis auritus</i>	25
Blacknose Dace	<i>Rhinichthys atratulus</i>	24
Common Carp	<i>Cyprinus carpio</i>	15
American Eel	<i>Anguilla rostrata</i>	9
Smallmouth Bass	<i>Micropterus dolomieu</i>	8
Green Sunfish	<i>Lepomis cyanellus</i>	5
Bluegill	<i>Lepomis macrochirus</i>	5
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Creek Chub	<i>Semotilus atromaculatus</i>	2
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Goldfish	<i>Carassius auratus</i>	1
Banded Killifish	<i>Fundulus diaphanus</i>	1
Western Mosquitofish	<i>Gambusia affinis</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1