

# NJS11-162-R3

## Raritan River SB

off Mill Road

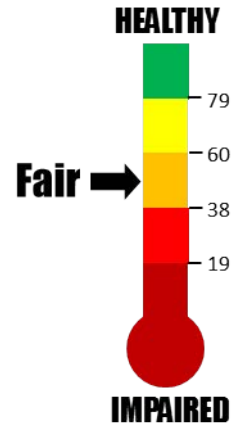
Municipality: Washington Twp

County: Morris

Drainage Area (sq miles): 46

Sample Date: 08/06/2014

Site Type: Probabilistic



### IBI Metrics

Metric 1-%Rheophilic Richness	72.71
Metric 2-%Cold Non-tolerant Coolwater	34.53
Metric 3-%Generalist Richness	78.33
Metric 4-Tolerance Index	34.48
Metric 5-%Lithophilic Richness	44.10
Metric 6-%Cyprinidae	12.73
Metric 7-%Dominant 3 Taxa	47.15
Metric 8-%Benthic Insectivore Richness	23.03

### Field Chemistry

Air Temp (°C)	21.5
Water Temperature (°C)	19.15
Dissolved Oxygen (mg/L)	9.23
% Saturation	101.3
pH	7.76
Conductivity (µS/cm)	430.6

***Northern Fish IBI Score (0-100): 43.38***

***IBI Rating: Fair***

***High Gradient Habitat Score (0-200): 134***

***Habitat Rating: Suboptimal***

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Common Name	Scientific Name	Abundance
White Sucker	<i>Catostomus commersoni</i>	179
Tessellated Darter	<i>Etheostoma olmstedii</i>	50
American Eel	<i>Anguilla rostrata</i>	29
Green Sunfish	<i>Lepomis cyanellus</i>	28
Redbreast Sunfish	<i>Lepomis auritus</i>	28
Black Crappie	<i>Pomoxis nigromaculatus</i>	16
Bluegill	<i>Lepomis macrochirus</i>	13
Redfin Pickerel	<i>Esox americanus americanus</i>	12
Yellow Perch	<i>Perca flavescens</i>	11
Brown Trout	<i>Salmo trutta</i>	11
Rock Bass	<i>Ambloplites rupestris</i>	7
American Brook Lamprey	<i>Lethenteron appendix</i>	5
Margined Madtom	<i>Noturus insignis</i>	4
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	4
Fallfish	<i>Semotilus corporalis</i>	4
Common Shiner	<i>Luxilus cornutus</i>	2
Golden Shiner	<i>Notemigonus crysoleucas</i>	1
Blacknose Dace	<i>Rhinichthys atratulus</i>	1
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	1
Brook Trout	<i>Salvelinus fontinalis</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Eastern Mudminnow	<i>Umbra pygmaea</i>	1