

# FIBI062a-R3

## Van Saun Mill Brook

Johnson Avenue

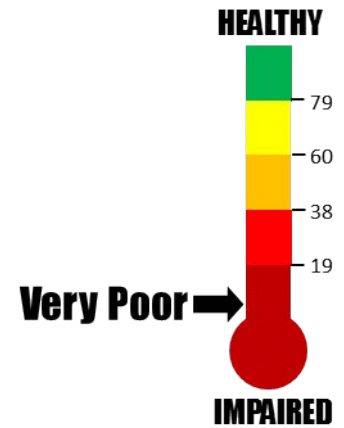
Municipality: River Edge Boro

County: Bergen

Drainage Area (sq miles): 5.9

Sample Date: 06/25/2013

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	13.07
Metric 2-%Cold Non-tolerant Coolwater	3.28
Metric 3-%Generalist Richness	28.95
Metric 4-Tolerance Index	6.29
Metric 5-%Lithophilic Richness	13.17
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	41.19
Metric 8-%Benthic Insectivore Richness	24.08

### Field Chemistry

Air Temp (°C)	30
Water Temperature (°C)	22.48
Dissolved Oxygen (mg/L)	6.76
% Saturation	78.1
pH	7.56
Conductivity (µS/cm)	821.5

***Northern Fish IBI Score (0-100): 16.25***

***IBI Rating: Very Poor***

***High Gradient Habitat Score (0-200): 85***

***Habitat Rating: Marginal***

**Summary:** The fish community is mainly comprised of tolerant fish species. There were numerous concrete slabs and areas with asphalt sloughing off into the stream from bordering parking lots. The "marginal" habitat along with high specific conductance and high percent impervious cover in the surrounding watershed have all negatively affected the fish community.

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## **Van Saun Mill Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
American Eel	<i>Anguilla rostrata</i>	137
Tessellated Darter	<i>Etheostoma olmstedii</i>	40
White Sucker	<i>Catostomus commersoni</i>	35
Green Sunfish	<i>Lepomis cyanellus</i>	32
Pumpkinseed	<i>Lepomis gibbosus</i>	31
Mummichog	<i>Fundulus heteroclitus</i>	20
Blacknose Dace	<i>Rhinichthys atratulus</i>	14
Largemouth Bass	<i>Micropterus salmoides</i>	6
Banded Killifish	<i>Fundulus diaphanus</i>	2
Yellow Perch	<i>Perca flavescens</i>	2
Golden Shiner	<i>Notemigonus crysoleucas</i>	1