

FIBI504-R1r

Rahway River EB

Meadowbrook Lane

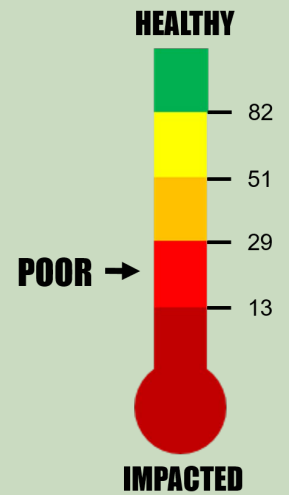
Municipality: South Orange Village

County: Essex

Drainage Area (sq miles): 2.5

Sample Date: 5/14/2014

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	0.00
Metric 3 -Percent tolerant fish	0.00
Metric 4 -Proportion of total richness as native	77.78
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	19.5
Water Temperature (°C)	13.95
Dissolved Oxygen (mg/L)	12.29
% Saturation	117.1
pH	6.49
Conductivity (uS/cm)	843

Headwaters IBI Score (0-100): *12.96*

IBI Rating: *Poor*

High Gradient Habitat Score (0-200): *77*

Habitat Rating: *Marginal*

Summary: Vj g'GcuV'Dtcpej 'Tcj y c{'Tlxgt'tgegkxgf 'c "r qqt'\$'tcv'pi 'lp'4236.'lo r tqxkpi 'urki j v{''ltqo 'vj g" \$xgt{'r qqt'\$'tcv'pi 'lp'42350Vj ku'ukg'y cu'still f qo kpcv'gf 'd{'r qm'w'k'qp'v'q'ngt'cp'v'kuj gu; however 4 more species were captured in 2014 than in 2013.'Most notably, larval northern two-lined salamanders were captured in 2014. J cdkcv't'guv'qt'cv'k'qp'that was eqo r ngvf 'cv'vj ku'ukg'lp" 4233'may have benefited the stream's biota0

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Common Name	Scientific Name	Abundance
Mummichog	<i>Fundulus heteroclitus</i>	522
Fathead Minnow	<i>Pimephales promelas</i>	106
White Sucker	<i>Catostomus commersoni</i>	25
Green Sunfish	<i>Lepomis cyanellus</i>	14
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	10
Blacknose Dace	<i>Rhinichthys atratulus</i>	6
American Eel	<i>Anguilla rostrata</i>	6
Banded Killifish	<i>Fundulus diaphanus</i>	3
Golden Shiner	<i>Notemigonus crysoleucas</i>	3