

FIBI515-R1

Pumpkin Patch Brook

Inman Avenue

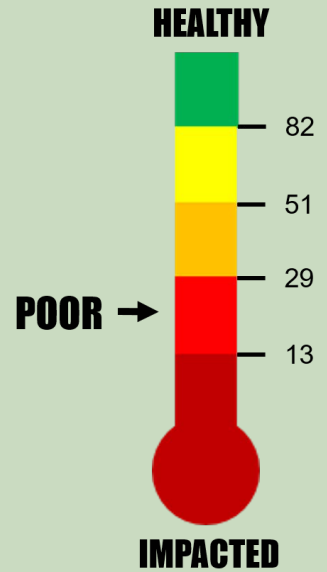
Municipality: Woodbridge

County: Middlesex

Drainage Area (sq miles): 1.5

Sample Date: 7/30/2013

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	11.59
Metric 4 -Proportion of total richness as native	75.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	23.9
Water Temperature (°C)	21.69
Dissolved Oxygen (mg/L)	12.53
% Saturation	139.5
pH	7.29
Conductivity (uS/cm)	464

Headwaters IBI Score (0-100): 14.43

IBI Rating: Poor

High Gradient Habitat Score (0-200): 95

Habitat Rating: Marginal

Summary: FIBI515 was rated "poor" in 2013. Pumpkin Patch Brook contained mostly tolerant and generalist fish and had excessive amounts of filamentous algae throughout much of the reach.

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Common Name	Scientific Name	Abundance
Banded Killifish	<i>Fundulus diaphanus</i>	336
Mummichog	<i>Fundulus heteroclitus</i>	132
Blacknose Dace	<i>Rhinichthys atratulus</i>	68
White Sucker	<i>Catostomus commersoni</i>	22
Tessellated Darter	<i>Etheostoma olmstedii</i>	11
Creek Chub	<i>Semotilus atromaculatus</i>	9
Western Mosquitofish	<i>Gambusia affinis</i>	5
Fathead Minnow	<i>Pimephales promelas</i>	2