

# NJS2016-022-R1

## Sprout Brook

Powers Drive

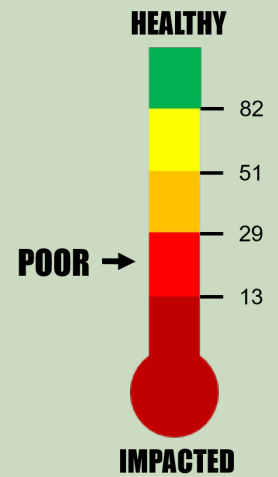
Municipality: Paramus

County: Bergen

Drainage Area (sq miles): 3.7

Sample Date: 9 /1 /2016

Site Type: Probabilistic



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	21.93
Metric 3 -Percent tolerant fish	23.39
Metric 4 -Proportion of total richness as native	69.23
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	22.7
Water Temperature (°C)	21.31
Dissolved Oxygen (mg/L)	4.26
% Saturation	48.3
pH	7.22
Conductivity (uS/cm)	1481

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***Headwaters IBI Score (0-100):*** ***19.09***

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***IBI Rating:*** ***Poor***

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***High Gradient Habitat Score (0-200):*** ***71***

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***Habitat Rating:*** ***Marginal***

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**Summary:** Sprout Brook was rated "poor" in 2016. The site was dominated by highly tolerant fish. This site lacked quality habitat with much of the stream was channelized and contained an invasive plant, Japanese knotweed.

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
White Sucker	<i>Catostomus commersoni</i>	32
Tessellated Darter	<i>Etheostoma olmstedii</i>	30
American Eel	<i>Anguilla rostrata</i>	29
Banded Killifish	<i>Fundulus diaphanus</i>	23
Green Sunfish	<i>Lepomis cyanellus</i>	14
Mummichog	<i>Fundulus heteroclitus</i>	13
Western Mosquitofish	<i>Gambusia affinis</i>	9
Virile Crayfish	<i>Orconectes virilis</i>	8
Oriental Weatherfish	<i>Misgurnus anguillicaudatus</i>	6
Creek Chub	<i>Semotilus atromaculatus</i>	3
Blacknose Dace	<i>Rhinichthys atratulus</i>	2
Spottail Shiner	<i>Notropis hudsonius</i>	2
Bullfrog	<i>Lithobates catesbeianus</i>	1