

NJS2016-002-R1

Preakness Brook

Barbour Pond Drive

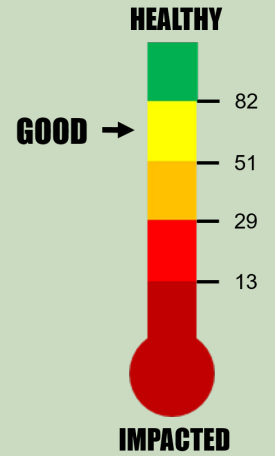
Municipality: Wayne

County: Passaic

Drainage Area (sq miles): 0.5

Sample Date: 8 /11/2016

Site Type: Probabilistic



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	87.72
Metric 3 -Percent tolerant fish	86.57
Metric 4 -Proportion of total richness as native	71.43
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	31.7
Water Temperature (°C)	18.93
Dissolved Oxygen (mg/L)	8.45
% Saturation	91.1
pH	7.43
Conductivity (uS/cm)	636.9

Headwaters IBI Score (0-100): ***57.62***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***129***

Habitat Rating: ***Suboptimal***

NJS2016-002-R1

Preakness Brook

Common Name	Scientific Name	Abundance
Golden Shiner	<i>Notemigonus crysoleucas</i>	13
Redfin Pickerel	<i>Esox americanus americanus</i>	6
Bluegill	<i>Lepomis macrochirus</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Common Crayfish	<i>Cambarus bartonii bartonii</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	2
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	1