

NJS11-243-R2

Lahaway Creek

County Route 539

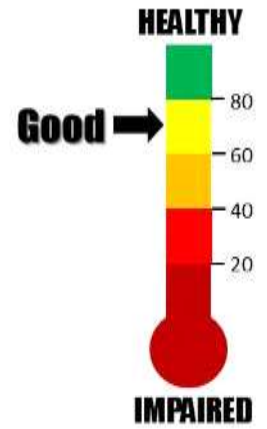
Municipality: Upper Freehold Twp

County: Monmouth

Drainage Area (sq miles): 16

Sample Date: 08/21/2014

Site Type: Probabilistic



IBI Metrics

Metric 1 - Native Sp.	100.00
Metric 2 - Benthic Sp	93.51
Metric 3 - Intolerant Sp.	87.73
Metric 4 - %Tolerant Sp.	66.47
Metric 5-%Insectivore Sp.	44.22
Metric 6 -%Piscivorous Sp.	5.19
Metric 7 - Abundance-tolerance	69.57
Metric 8-% DELTs	70.88

Field Chemistry

Air Temp (°C)	25.6
Water Temperature (°C)	21.41
Dissolved Oxygen (mg/L)	8.22
% Saturation	92.6
pH	6.78
Conductivity (µS/cm)	141.1

Southern Fish IBI Score (0-100): 67.19

IBI Rating: Good

Low Gradient Habitat Score (0-200): 151

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	78
American Eel	<i>Anguilla rostrata</i>	76
Fallfish	<i>Semotilus corporalis</i>	53
Bluegill	<i>Lepomis macrochirus</i>	17
Sea Lamprey	<i>Petromyzon marinus</i>	17
Brown Bullhead	<i>Ameiurus nebulosus</i>	11
Satinfin Shiner	<i>Cyprinella analostana</i>	10
Redbreast Sunfish	<i>Lepomis auritus</i>	10
Channel Catfish	<i>Ictalurus punctatus</i>	5
Blacknose Dace	<i>Rhinichthys atratulus</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	4
Spottail Shiner	<i>Notropis hudsonius</i>	4
American Brook Lamprey	<i>Lethenteron appendix</i>	3
Eastern Mudminnow	<i>Umbra pygmaea</i>	3
Common Shiner	<i>Luxilus cornutus</i>	3
White Sucker	<i>Catostomus commersoni</i>	2
Chain Pickerel	<i>Esox niger</i>	1
Pirate Perch	<i>Aphredoderus sayanus</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1