

# FIBI527-R1

## India Brook

off Calais Road

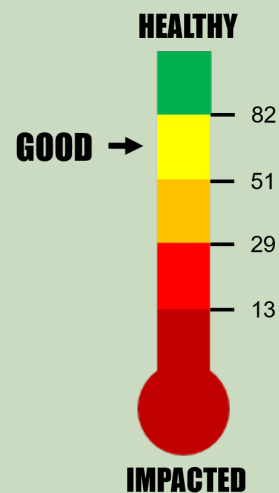
Municipality: Randolph

County: Morris

Drainage Area (sq miles): 1.2

Sample Date: 7/25/2013

Site Type: Validation



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	52.63
Metric 3 -Percent tolerant fish	94.84
Metric 4 -Proportion of total richness as native	69.23
Metric 5 -Percent native crayfish	14.29
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	17
Water Temperature (°C)	16.7
Dissolved Oxygen (mg/L)	9.05
% Saturation	95.4
pH	7.31
Conductivity (uS/cm)	471

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***Headwaters IBI Score (0-100):*** ***55.16***

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***IBI Rating:*** ***Good***

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***High Gradient Habitat Score (0-200):*** ***146***

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***Habitat Rating:*** ***Suboptimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	92
Brown Trout	<i>Salmo trutta</i>	78
Creek Chub	<i>Semotilus atromaculatus</i>	55
Tessellated Darter	<i>Etheostoma olmstedii</i>	19
White Sucker	<i>Catostomus commersoni</i>	13
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	13
Virile Crayfish	<i>Orconectes virilis</i>	6
Bluegill	<i>Lepomis macrochirus</i>	2
Brook Trout	<i>Salvelinus fontinalis</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1
American Brook Lamprey	<i>Lampetra appendix</i>	1
Green Frog	<i>Lithobates clamitans</i>	1