

# FIBI095-R3

## Passaic River

Hardscrabble Road

Municipality: Harding Twp

County: Morris

Drainage Area (sq miles): 7.8

Sample Date: 07/06/2012

Site Type: Sentinel



### IBI Metrics

Metric 1-%Rheophilic Richness	100.00
Metric 2-%Cold Non-tolerant Coolwater	100.00
Metric 3-%Generalist Richness	90.02
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	96.59
Metric 6-%Cyprinidae	41.98
Metric 7-%Dominant 3 Taxa	56.91
Metric 8-%Benthic Insectivore Richness	58.87

### Field Chemistry

Air Temp (°C)	28
Water Temperature (°C)	20.6
Dissolved Oxygen (mg/L)	8.15
% Saturation	91.6
pH	6.87
Conductivity (µS/cm)	245

***Northern Fish IBI Score (0-100): 80.55***

***IBI Rating: Excellent***

***High Gradient Habitat Score (0-200): 181***

***Habitat Rating: Optimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Rainbow Trout	<i>Oncorhynchus mykiss</i>	170
Blacknose Dace	<i>Rhinichthys atratulus</i>	148
Brown Trout	<i>Salmo trutta</i>	106
Creek Chub	<i>Semotilus atromaculatus</i>	47
Longnose Dace	<i>Rhinichthys cataractae</i>	46
Tessellated Darter	<i>Etheostoma olmstedii</i>	32
Common Shiner	<i>Luxilus cornutus</i>	17
Spottail Shiner	<i>Notropis hudsonius</i>	6
White Sucker	<i>Catostomus commersoni</i>	2