



## Upper Black River Council - River Crew Progress Report - May 21, 2017

As result of the December 2016 Request for Proposal process, the Upper Black River Council (UBRC) engaged with Ken Reed Contracting, Inc. for the completion of those in-stream habitat improvements specified for the 2017 work season. The scope of these professional services include the development of large woody debris structures in accordance with plans developed in association with the Fisheries Division of the Michigan Department of Natural Resources and permits secured through the Michigan Department of Environmental Quality (MDEQ). In addition to the UBRC, funding sources for the work performed include the United States Fish & Wildlife Service, the Headwaters Chapter of Trout Unlimited (TU), Michigan Fly Fishing Club, and Huron Pines.

A comprehensive review of the project area was conducted with the contractor in advance of the commencement of work activities. This review of the permitted area was conducted with representatives of both the Upper Black River Council and the MDNR Fisheries Division.

Work commenced in the “Hardwood Creek” reach of the project during late April with the collection and staging of logs/wood and other project materials. As river water levels began to sufficiently recede to allow for installation, structure placement began. It should be noted that since the “After” photos were taken by representatives of the UBRC, the direction and angle of the image may differ from that of the “Before” image.

Waypoint I.D. & Notes	General “Before” LWD Installation Photo	Completed Structure Photos
<p><b>HC-1.1 (Began with river blockage)</b>  <b>N45.13034</b>  <b>W84.3555</b></p>		

HC-1.2



HC-1.3



**HC-1.4**



**HC-1.5**



**Completed Structure**

**HC-1.6**



**HC-2.1**

**N45.13101**

**W84.35572**



HC-2.2



HC-2.3



HC-3.1

N45.13148

W84.35586



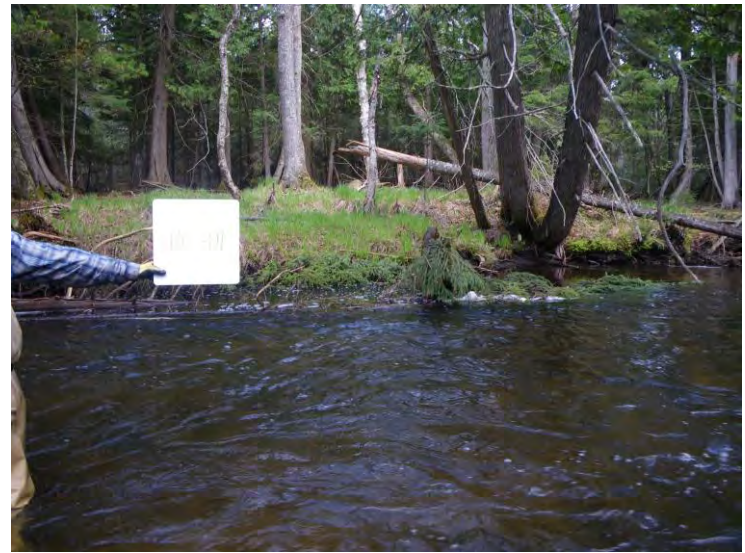
HC-3.2



HC-3.3



HC-3.4



HC-3.5



Completed Structure

HC-3.6



Completed Structure



HC-4.1

N45.13246

W84.35577



HC-4.2



HC-4.3



Completed Structure

HC-4.4



HC-4.5



Completed Structure

HC-4.6



Completed Structure

HC-4.7



Completed Structure

HC-8.1

N45.13488

W84.35386



HC-8.2



HC-8.3



**Anchor Concealment Method: (Note chainsaw notch in logs to recess cabling)**

