

HCFF Catch and Release Tool - CRT

Here are the material list and fabrication instructions for making the Catch & Release Tool that HCFF made for Saving Fish.



Material List

- 3/4-inch wooden dowels
- 3/4-inch cup hooks
- 1-inch screw eyes
- Superglue
- Labels – optional

Fabrication Steps

- Cut dowels to 4 5/8 inch
- Sand dowel ends to a slight chamfer
- Drill one end with a 3/32 drill for hooks
- Drill opposite end with 7/64 drill for the screw eye
- Screw in hooks with a dab of superglue on the hole
- Screw in screw eye in the other end.
- Attach label if used

Fabrication Hints

For a few CRTs, simple hand tools will suffice. For the HCFF project, we set out to make 250 CRTs. One of our team had a woodshop with a wide array of tools. We used a miter saw to cut the dowels. We set up a fence on the miter saw so we could cut four dowels at a time. Then, we used a drill press with a jug to hold the dowels vertical and drill the holes. We used a belt sander to miter the ends.

Material Sources

For a few CRTs, the materials are available and nearly any hardware store. We got the dowels and superglue at an Ace Hardware Store. The hooks and the screw eyes were bought on Amazon. The labels were from www.onlinelabels.com. The software for label design was from <https://maestro.onlinelabels.com/designer/maestro.aspx#>

Using the CRT

<https://www.youtube.com/watch?v=MAq5io58I9E>

For more information, send an email to bill@quapp.com