

POP-UP FLOAT DEPLOYMENT INSTRUCTIONS

Background

Pop-up floats are compact and low-cost oceanographic instruments, designed for easy deployment. The pop-up floats sink to the seafloor and remain in place for an entire year, continuously recording bottom temperatures. At a pre-programmed release date, a burn wire releases the float from its anchor and the float "pops up" to the surface, collecting water column data as it rises. Once at the surface, the pop-up float transmits all stored data via satellite back to the lab.

Your help in deploying Pop-up floats during summer 2020 is greatly appreciated. Your deployment will play an important role in enabling researchers to understand the cold pool extent and other oceanographic features that influence fish, shellfish, and other parts of the Bering Sea shelf ecosystem.

Deployment

1. Navigate to within 10 nautical miles of the target lat/long location.
2. Double-check depth-- depth at deployment must be less than 300 meters.
3. Slow vessel to 2kts-3kts and/or determined safe working speed within that range
4. Record the float serial number (ex. 20##) on the Deployment Record sheet
5. Two people are needed: one to handle the float (30lbs) and one to handle the anchor (50lbs)
6. Carry the float by the metal frame
7. Do not grab the black cable and be cautious that it doesn't get snagged or pulled
8. Position the Pop-up float and anchor near the side or stern
9. Pass one slip line through the anchor and another slip line through the float frame [see Photos 1 & 2]
10. Work in tandem to gently lower the float and the anchor to the waterline [see Photo 3]
11. Let the line slip through the float frame; the float will be floating at the surface [see Photo 4]
12. Allow the float to trail aft of the stern, maintain positive control of anchor [see Photo 5]
13. Once the float and anchor cable are streaming out straight from the anchor, let slip the line to the anchor [see Photo 6]
14. Mark deployment location and time! : complete all info on Deployment Record sheet

Follow up

1. Email the Deployment Record info (emailing a photo of the filled-in page would be ideal) to contacts listed below, or use the provided envelope to send the deployment record via US Mail
2. If convenient, please take a posed photo of the crew doing the deployment together with the Pop-up float, and an action photo during the deployment would be a bonus if a third person is available — email any photos to both contacts listed below

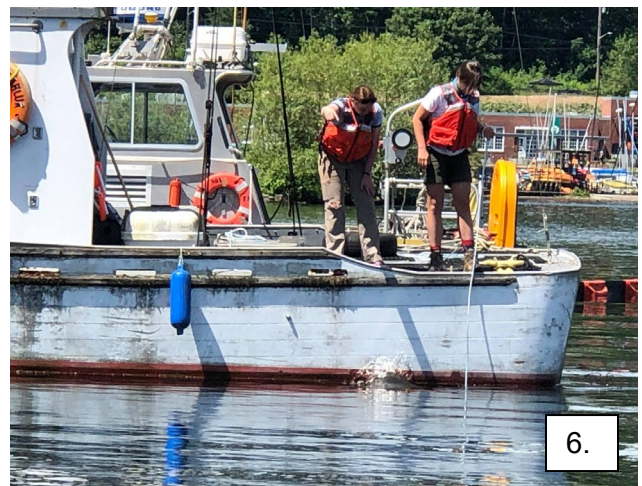
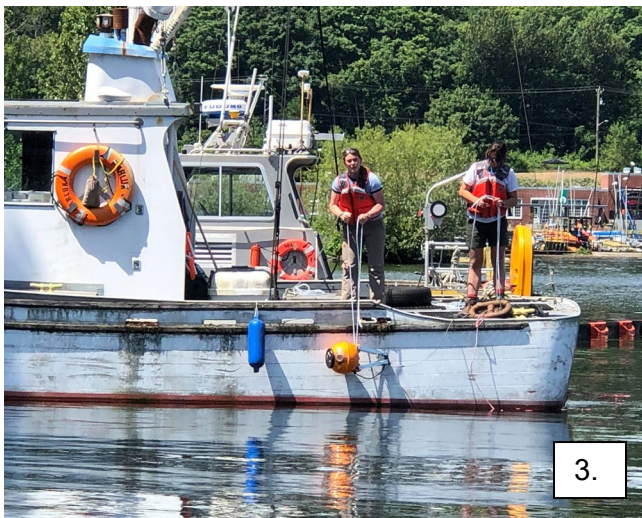
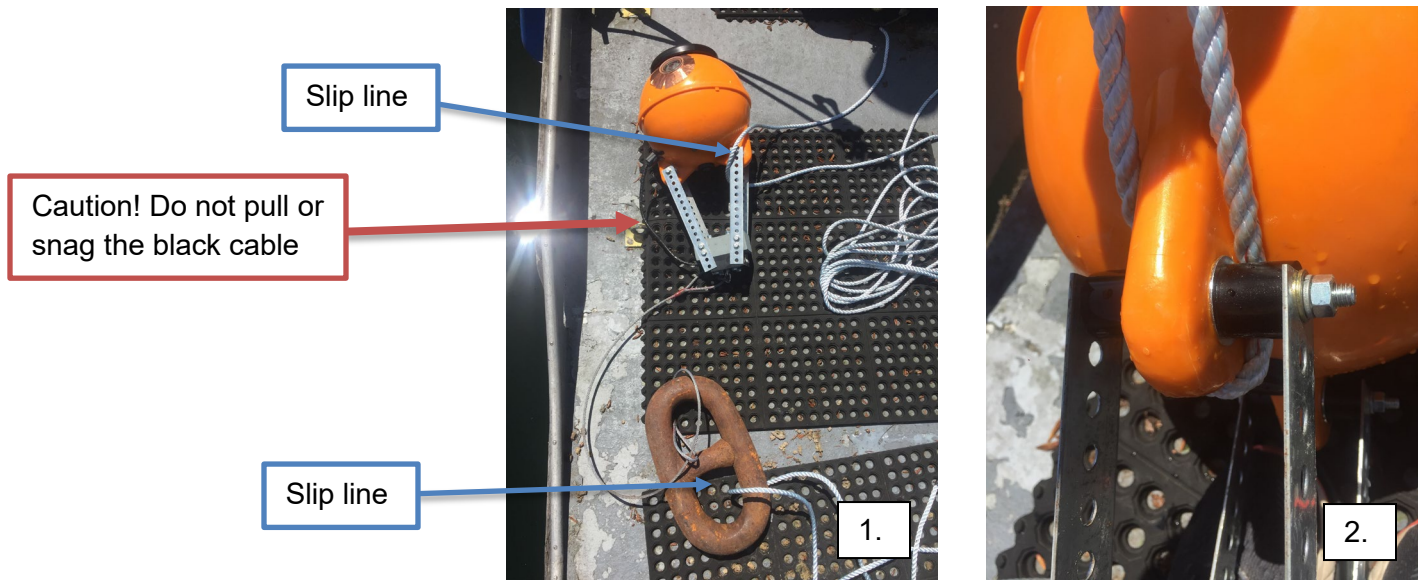
Contacts

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POP-UP FLOAT DEPLOYMENT INSTRUCTIONS

Photos:



POP-UP FLOAT DEPLOYMENT RECORD

Pop-up float serial number:

Vessel name:

General location:

Date:

Time (use UTC and/or Local time; note which is used):

Depth (meters, or note units):

Latitude (decimal degrees, or note format):

Longitude (decimal degrees, or note format):

Name of person doing the deployment, with a contact phone or email:

Please return this information to us, either via email to both people listed below, or by US mail using the included self-addressed stamped envelope.

Sarah Donohoe sarah.s.donohoe@noaa.gov

Tom Van Pelt tvanpelt@uw.edu