

Volunteer reminders

Always have a work vest on during the deployment of equipment!

CTD deployment

- ◆ CTD is cocked 20 to 30 minutes before arrival at station
 - ◆ After CTD is deployed, re-secure the red tagline on the cleat and tie end of tagline to the hook using a bowline knot
 - ◆ Obtain data sheets and meet in front of the CTD console for bottle depth data
- For LTER samples- verify bottles are numbered correctly and placed in the staging area for easy access during sampling

CTD retrieval

- ◆ When CTD is around 20m, ready hooks and tag lines

CTD sampling

- ◆ Secure bottom of CTD. Remove tag lines from CTD (check with watch leader during rough weather).
- ◆ Bring chlorophyll, salt and nutrient racks to staging area when CTD is on deck
- ◆ Before beginning sample drawing, check CESL (CalCOFI sampling log) for skipped bottles or other changes
- ◆ Salt samples are drawn from all bottles and total count verified (include sample slip filled out completely)
- ◆ Nutrient samples are drawn with duplicate surface sample in 24 (include sample slip filled out completely and refrigerate before sampling for LTER)
- ◆ Chlorophyll samples are drawn from 200m to surface (see CESL)
- ◆ TOC samples are drawn from upper spigot
- ◆ Slide samples are drawn from upper spigot
- ◆ POM and HPLC samples (brown bottles) are drawn from lower spigot (low flow)
- ◆ Size fractionation sample is drawn with tubing on the lower spigot

Process samples immediately to ensure there is no degradation of the sample

- ◆ Lines, loose deck and sampling items are secured or inside

Bowline knot

The 'Bunny' method: form the hole (a loop), the bunny comes up through the hole, around the tree, and back down through the hole. This is considered a difficult method.

