

## WATER COLLECTION PROCEDURE (CRUISE)

### GET IT TOGETHER:

- dark garbage bags to cover carboys for production water
- 10L carboys, lids with holes
- 3' lengths of silicone tubing for transferring water from Niskin to carboy

### SAMPLE COLLECTION:

- nutrient samples are collected **UNFILTERED** directly from the Niskin prior to filling the carboy, make sure the 20ml plastic scint vials are labelled with the proper consecutive sample number
- take a carboy and match the number on it to the list (posted either on the winch or the wetlab doorframe) to ensure you fill the carboy from the proper Niskin bottle
- rinse the carboy x3 with water from Niskin using silicone tubing to transfer small amounts of sample water to carboy – RINSE WELL!
- place carboy in dark garbage bag, attach tubing to Niskin nipple and transfer water from Niskin to carboy, coil tubing on top of cap when finished
- take carboy into wetlab area (keep covered with garbage bag), place carboy on numbered spot on bench - if seas are rough, strap carboy down
- be sure to **match numbered collection bottles with the carboy** and rinse the sample bottle x3 with water before collecting sample
- fill sample bottle to brim with sample water and cap, take back into lab for filtration
  - 250ml PP bottles for Chl a (use 125ml PP bottles if filters are very dark)
  - 1000ml PP bottles for CHN (use 500ml PP bottles if filters are clogging)
  - 250ml PP bottles for CHNi (use 125ml PP bottles if filters are dark, with the new mass spec in the analytical lab we only need a small amount of material on the filter)
  - 250ml PC bottles for <sup>14</sup>C

### LOG EVERYTHING:

Record ALL information to log sheet. Make a note on the log sheet if any problems were encountered during water collection - ANYTHING.