

# **Trip Objectives:/Accomplishments = (✓) Not Done = (°)**

- ü Service ADCP's (EL, BH, OK)
- ü Jet in new sediment trap pipes at ADCP bin 1 elevation
- ü Recover old pod at eleven mile
- ü Recover old pod at Oak Island
- ü Replace Transponders (UAT's) at BH, OK and EL
- ü Take pictures of two Bald Head buoys

## **Summary:**

Completed all objectives using two dive days

BH, OK and EL serviced. New sediment traps and pipes installed at all three locations. New pipes put sediment canister holes at the ADCP mid bin 1 elevation. BH and OK at 1.15M and EL at 1.70 meters off the bottom. Old ADCP pods recovered from EL and OK. New UAT's installed at all three locations. Real time OK gage restarted with 22 bins vice 32 to attempt to correct wave spectrum display.

## **Chronological Details**

11MAY04

Left FRF for Wilmington Govt truck

Calibrated 3 ADCP compasses and setup 3 gages for deployment

Calculated elevations for new sediment traps, mounted sediment traps on new mounts and marked pipes for jetting.

12MAY04

07:00 met divers at Southport marina

08:00 left dock for EL

09:00 anchored at EL

Note: The red buoy that was here previously is no longer here.

09:21 diver in, visibility 25 feet, water temperature 72 degrees F.

09:44 ADCP recovered

09:47 new ADCP in water

Recovered sediment trap

Deployed new sediment pipe and new sed. trap

Started working on cutting pipes on old pod, but only got one done.

Will return tomorrow AM with hacksaw.

12:11 nearing OK

Found old OK pod

Pod is about 1 foot out of bottom, so began cutting pipes

Pipes cut, but needed to service OK ADCP with remaining time.

15:06 OK ADCP out of water

15:15 New OK ADCP in water

Note: Holes on ADCP cassette don't match all others. Hole spacing is about ½ inch shorter on OK than on all others. Transferred new ADCP to OK cassette and deployed.

15:40 ADCP in water for the second time.

Recovered sediment trap

Installed new sediment pipe and trap

Recovered UAT and deployed fresh one

Real time cable looks good

16:30 back at dock

Took 2 ADCP's to car wash. Dissembled and cleaned

Went to Lowes to get supplies and hacksaw

19:00 back at hotel

19:30 set up OK real time gage

13MAY04

06:30 met divers

07:00 left Southport dock

08:00 at **EL**

08:20 diver in

Old pod out legs cut off and left

10:35 at **BH**, Pinger not working

Pod found 4 foot from dropped marker buoy (Good GPS #'s)

10:45 ADCP in water, hanging over the side waiting for diver

Jetted in new sed. pipe with sed trap attached

Small line connected from pod to new sediment pipe

Took pictures of buoys. Offshore is the "A" buoy

Closer to shore is the 'TOPLESS' buoy

Took old EL pod to shore and loaded on trailer

12:17 at **OK**

**Pulled old OK pod**

Returned to dock and offloaded pod onto trailer

14: 30 mission complete left divers

Went to car wash to clean BH instrument

Offloaded data from all 3 gages

Cleaned and serviced all 3 gages including new pressure port screws

Back at hotel checked OK real time gage, it's OK

Transferred pictures from camera to laptop

Wrote trip report

14MAY04

Returned to FRF

Offloaded truck and trailer

**Suspense items:**

Package sediment and send or not?

Clean and service 3 recovered UAT's

Clean and service two recovered pods (new pipe collars, antifoulant paint)

Service (prep. And paint) three recovered ADCP cassettes

Make another cassette for OK special shorter bolt pattern

Copy data files to DaCube and burn CD's



Bald Head 'A' buoy



Bald Head TOPLESS inner buoy



Recovered Bald Head ADCP, Destin still on transducer faces is a good antifoulant



Recovered old EL pod hoisted onto dive boat