

Trip Objectives:/Accomplishments = (√) Not Done = (°)

- ✓ Service ADCP's (EL, BH, OK)
- ✓ Replace sediment traps at (EL, BH)
- ✓ Replace Transponders (UAT's) at BH and EL
- ✓ Visit Oak Island shore station house (Miramar)

Summary:

Recovered old and installed fresh ADCP at EL, BH and OK sites.

Recovered old and installed fresh sediment traps at EL and BH.

Couldn't find OK sediment pipe or canister.

The EL deployment was very long because we couldn't service it last time due to weather.

Replaced UAT's on BH and EL.

Visited OK shore station everything is OK.

Used one dive day.

Boat was Eason dive boat

Chronological Details (All times are DST)

23 Feb 05

Already at Southport doing Cape Fear Survey.

07:00 met divers at US Coast Guard Station Oak Island

07:30 Dive safety brief

07:45 left dock for EL, very foggy

09:11 anchored at EL, **Note: the A buoy is no longer here**

Depth 55 feet, Visibility 4 foot, water temp 52 deg. F

09:30 Approximate Old ADCP up, New one in

10:53 Leaving EL heading for BH

11:48 Anchored at BH

11:55 Diver (Cory) in Temp 49 deg F, Depth 25 feet

Pinger didn't work, Finder also had low battery

09:52 Diver up couldn't find Sediment trap

12:02 On project using GPS distance to target and bearing to guide diver to pod

12:09 Old pinger up new pinger down

3.8 feet (1.16m) from bottom of sediment trap to sea floor

12:20 Old sediment trap up new one down

12:25 New ADCP in water

12:35 Old ADCP out of water

12:40 Anchor up

13:00 At USCG Station dropping off recovered EL and BH picking up new OK

13:38 Leaving USCG dock heading for OK

14:00 Anchoring at OK

14:49 Diver (Thomas) on bottom disconnecting bolts

15:10 Old ADCP out of water, ADCP is pinging

15:13 New ADCP in water, ADCP is pinging after connecting to cable

15:20 Old Pinger up new pinger down

15:40 Anchor up OK

16:20 Back at USCG Oak Island

Cleaned and offloaded data from the three recovered ADCP's with help from Mike and Chris.

Went to OK Real time shore station (Miramar) Started waves Mon.

Suspense items:

Replace Sediment pipe at OK