

CEFAS FISHERIES LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND

2002/2003 RESEARCH VESSEL PROGRAMME

REPORT: RV CORYSTES: CRUISE 1x/04

STAFF

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DURATION

12/01/04 – 25/01/04

LOCALITY

North Sea, Thames region, English Channel, SW Approaches, Bristol Channel, Irish Sea.

AIMS

1. To collect water samples at NMMP stations from the Tyne to Morecombe Bay (AE004)
2. Collect water samples in a transect from SW Approaches to the Irish Sea (AE004)
3. SmartBuoy servicing at West Gabbard and Warp (AE004)
4. Wavenet deployments (C1828)

PLAN (all times are Greenwich Mean Time)

Sailed on the evening tide of Monday 12th January 12 hours late due to a poor weather forecast. Head North for the Tyne (NMP 245) via Wash (NMP 385), Humber (NMP 375) and Tees (NMP 295) Return south stopping at the Humber for 4 CTD casts. Proceed to the Southern Bight (NMP 395) for CTD then return to Lowestoft to collect memory card for DWM. 15th Jan West Gabbard – recover the DWM and redeploy. CTD at Outer Gabbard (NMP 475) then proceed slowly to South Varne (NMP 485) but unable to deploy CTD as too rough. 16/1/04 hide behind Dungeness for 8 hours then go to Hastings to recover the Waverider (leave rubbercord and sinker weight behind). Proceed down the English Channel to collecting surface water samples and CTD casts at NMP stations - Selsey Bill (NMP 495), Mid Channel (NMP 535) and Off Plymouth (NMP 585). 18/1/04 12:20 - NMP 595 Western Approaches. CTD rosette was moved to the auxiliary winch and deployed over the stern at A6, D1, E1 and D5 to 1100m (FSI depth sensor limit). 20/1/04 to 21/1/04 - Collect water samples in a transect from the SW Approaches up through the Celtic Deep (NMP 605) to the Irish Sea, including NMP sites. Drop Brian Stewart off by searider at Portavogie. Irish Sea sites (NMP 805, 715 and 775) missing out Morecombe Bay and Liverpool Bay. 22/1/04 Cardigan Bay (NMP 665 and 655). 23/1/04 06:30 Nash Point (NMP 615). 24/1/04 steaming back along the Channel – CTD at South Varne. CTD anchor station at the Warp SmartBuoy (NMP 467) from 04:30 to 10:30 on 25/1/04. Recover and re-deploy SmartBuoy. Return to the West Gabbard to recover the Waverider and recover and re-deploy the SmartBuoy. The licor arm was missing from the SmartBuoy plus some peripheral damage to cables and other sensors.

Samples were collected from the clean salt supply hourly in the major estuaries and every two or 4 hours elsewhere. The data to be used to calibrate the continuous logging CT and Chl α sensors and to provide additional spatial nutrient information.

Dave Sivyer
(Scientist-in-Charge)

8/2/04