

Clean Seas Environmental Monitoring Programme (CSEMP) Western Channel, Irish Sea)

RV ENDEAVOUR; CRUISE CEND14/14

SIC: Brett Lyons

DURATION: 14th June – 26th June 2012

Sail 4th July Lowestoft (sail on earliest tide possible)

Disembark 15th July Portland

LOCATION: Western English Channel, Irish Sea.

The data generated during this cruise will be used to meet obligations for reporting of contaminant data to MERMAN and the ICES database and for subsequent assessments for OSPAR and Good Environmental Status (GES descriptors 1, 4, 8, 9 & 10) under the Marine Strategy Framework Directive (MSFD).

AIMS:

1. To collect samples of demersal fish for chemical analysis from the North Sea and Eastern English Channel in support of the Clean Seas Environmental Monitoring Programme (CSEMP) (MSFD Descriptor 8 & 9).
2. To collect fish samples at CSEMP sites for fish disease biochemical markers (e.g. EROD and bile metabolites analysis) (MSFD Descriptor 8).
3. To sample representative CSEMP stations using grab, multicore and beam trawl for trace metal contaminants, sediment particle size analysis, PAHs and benthic fauna (MSFD Descriptor 1, 4 & 8).
4. To conduct marine litter surveys (MSFD Descriptor 10).

PLAN:

- RV Endeavour will sail from Lowestoft on the 4th July. Due to distance to first stn it is requested we sail on the first tide available. Staff and be onboard afternoon 3rd July to help facilitate this.
- Some sediment grabbing will be undertaken at night so request an additional AB is requested.
- The RV *Endeavour* will sail to CSEMP stations located off Lyme Bay and Plymouth Sound to take samples under aims 1 - 4. Additional work may also take place at the Rames Head disposal site.
- RV *Endeavour* will then sail around into the Celtic Sea to where samples will be taken at CSEMP stations in the Bristol Channel and South Wales coast under aims 1 - 4. Before steaming around into Cardigan Bay and Liverpool Bay.
- After completing the sampling of stations RV *Endeavour* will then steam back to Portland and berth on or before the 15th July.
- NW IFCA forms completed along with generic form (fishing stns in waters of Southern IFCA. Devon and Severn IFCA). *Need to inform IFCA responsible for Welsh waters.

BELOW:-

Annex 1: CSEMP FISHING STATIONS

CSEMP Number	Location	Mid tow Lat. Long.
New	Off Eddystone	50 06.44 N 04 06.06 W
New	West Lundy	51 09.79 N 05 26.67 W
605	Celtic Deep	51 10.29 N 05 43.75 W
616	Camarthen Bay	51 32.82 N 04 35.13 W
649	North Cardigan Bay	52 42.44 N 04 32.29 W
654	South Cardigan Bay	52 10.90 N 04 29.87 W
656	Inner Cardigan Bay	52 18.00 N 04 16.35 W
665	Outer Cardigan Bay	52 23.76 N 04 53.72 W
706	Burbo Bight	53 28.24 N 03 20.47 W
715	Liverpool Bay	53 28.32 N 03 41.91 W
769	St Bees Head	54 30.71 N 03 47.63 W
776	Red Wharf Bay	53 22.46 N 04 12.84 W
796	Morecambe Bay	53 55.31 N 03 23.23 W
805	SE Isle of Man	54 03.36 N 03 52.47 W

Annex 2: MAP SHOWING LOCATION OF CSEMP STATIONS

