

DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS.
2007 RESEARCH VESSEL PROGRAMME: RV CEFAS ENDEAVOUR
Cruise Programme: C END 12/08

C END 12/08 Part A and C

11/06/08-17/06/08

David Limpenny(SIC)
Matt Curtis
Stefan Bolam
Helen Bates
Michaela Schratzberger
Christine Smith
Annie Brown (SIGS)
Mark Whybrow (SIGS)
Matt Brown (SIGS)
Chris Barrio Frojan
Morgane Nicolas

08/07/08-16/07/08

Paul Whomersley (SIC)
Sue ware
Markus Diesing
Chris Barrio Frojan
Koen Vanstaen
Claire Mason
Matt Brown (SIGS)
Keith Cooper
Bryony Devoy
Clare Jackson
Laura Wittridge
Sopie Lozach

Nigel Lyman to join before Thames work (Lowestoft)

DURATION:

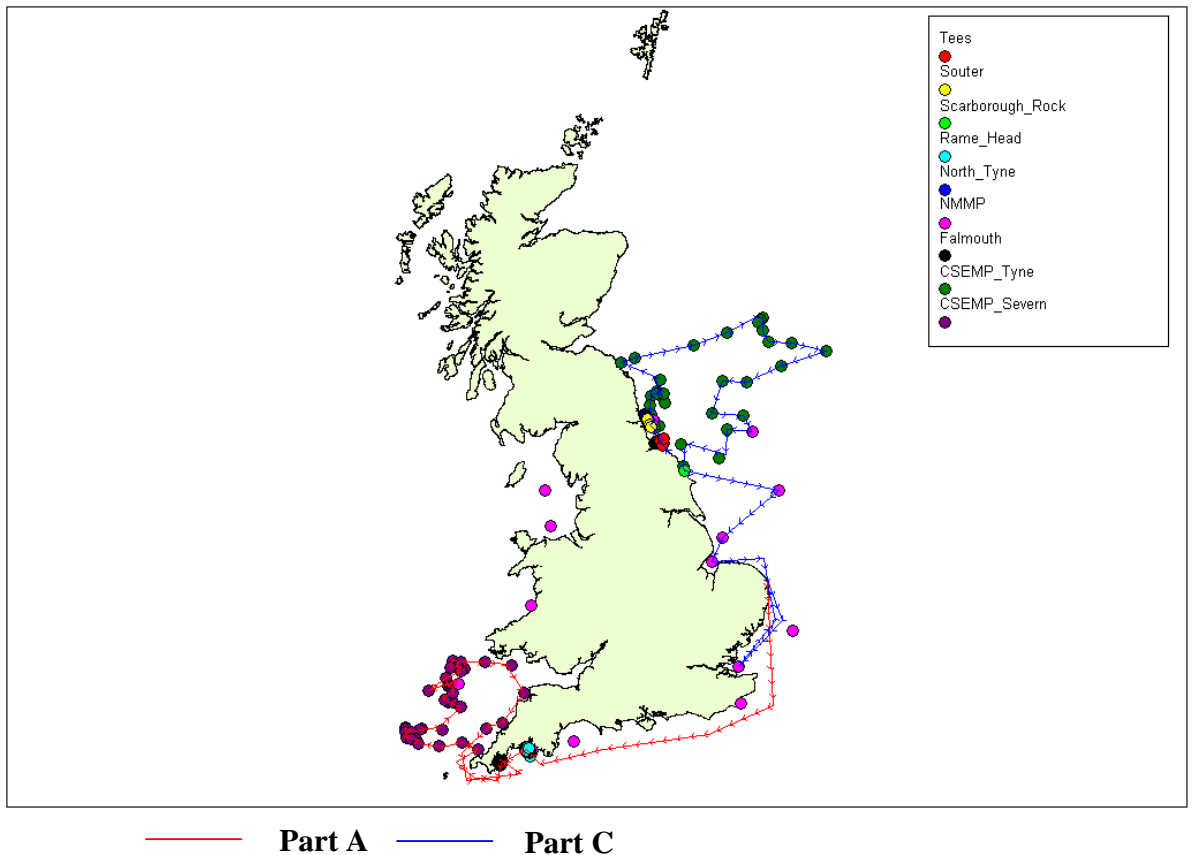
- Part A:** 11th June – 17th June
- Part B:** 20th June – 8th July (approx)
- Part C:** 8th July (approx.) – 16th July (approx)

Changeovers at Falmouth (Dry dock) 18/06/08
Hartlepool (Along side) 08/07/08
Lowestoft (date to be confirmed)

AIMS:

1. To survey dredged material disposal sites at the Rame Head (Plymouth), Falmouth, Tees, Souter Point, North Tyne and Scarborough Rock for benthos, trace metal and organic contaminants in sediments, using grabbing and coring. At a number of sites various acoustic methods will also be used.
2. To sample representative NMMP locations using grabbing, coring, and trawl methods. Samples will be later analysed for trace metal and organic contaminants, litter and epi-, macro- and meio- fauna.
3. To sample sediments and water at various stations in the Severn and Tyne regions for later analysis of macro- and meio- fauna, metals, chlorophyll a, porosity, organic contaminants, nutrients and salinity. This survey forms part of the NMMP redesign program (CSEMP).
4. To undertake a spatial survey, using grabbing, under water TV and acoustic methods within the Thames area.

Cruise Track C END 12 08



PLAN:

Part A:

CEFAS Endeavour will leave Lowestoft on 11th June (15:00) and sail to Rame Head (Plymouth) dredged material disposal site to begin work on aim 1. On completion of this work the vessel will sail to Falmouth and carry out a survey of the dredge disposal site (Aim 1). Following this *CEFAS Endeavour* will then head along the south west coast and up into the Celtic sea begin the CSEMP survey where samples will be collected for later analysis of benthic and chemical determinants (Aim 3). During this survey NMMP site 605 (Aim 2) will also be surveyed. This work will continue until it is deemed necessary to leave for Falmouth dry dock (17/06/08). Any remaining CSEMP samples will be collected during part B.

Part B:

During the fishing part of this cruise several benthic NMMP Stations (655, 715, 805, 536, 484, 466, 475, 386, 376, and 345) (Aim 2) will be collected during transit to and from fishing stations. Opportune sampling of CSEMP (Aim 3) stations within the vicinity of fishing stations in the North Sea will also be investigated.

Part C:

Following the changeover of scientific crew, a number of surveys will then be carried out in the Tyne area. These include dredge disposal sites at the Tees, Souter point and North Tyne (Aim 1). During these surveys several CSEMP stations (Aim 3) and NMMP stations (245 and 295) (Aim 2)

will be collected. Following the completion of the surveys at the dredge disposal sites the remaining CSEMP (Aim 3) and NMMP (285) (Aim 2) stations will be collected. *CEFAS Endeavour* will then continue south to Scarborough Rock (Aim 1) and NMMP stations 345, 376 and 386 (Aim 2). After completion of these surveys *CEFAS Endeavour* will continue to Lowestoft to carry out a small scientific crew change before transiting to the Thames (Aim 4) to carry out mapping and ground truthing work. On completion of this final survey *CEFAS Endeavour* will dock in Lowestoft no later than the 16/07/08.

INITIALLED:

P Whomersley

09/06/08