

DRAFT

DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS.

2003 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV *CEFAS ENDEVOUR*: CRUISE 5/03

STAFF:

K Cooper (SIC)
D Limpenny
B Meadows
S Boyd
R Coggan
R Kilbride
J Eggleton
P Whomersley
A Kenny
A Smith
B Greenaway (DEFRA)
A Meadows (student)

DURATION:

25th July - 3rd August 2003

LOCALITY:

North Sea & E. Channel

AIMS:

1. To conduct sampling at a relinquished marine aggregate extraction site at Coal Pit/Sole Pit (Area 408) using trawl, underwater TV and acoustic techniques for time series studies to establish the time required for recovery of the sea bed fauna.
2. To conduct surveys at a relinquished aggregate extraction site off Harwich (Area 222) using grab, underwater TV, trawls and acoustic techniques for time-series studies to establish the time required for recovery of the sea bed fauna.
3. To conduct a habitat mapping survey between the Varne (off Dungeness) and the Hastings Shingle Bank. The survey will employ various tools including grabs,

trawls, underwater TV and acoustic techniques with a view to further development of habitat mapping techniques.

4. To conduct surveys at the Hastings Shingle Bank (Areas X & Y) using grab, underwater TV, trawls and acoustic techniques for time-series studies to establish the time required for recovery of the sea bed fauna.
5. To conduct grab sampling within an area of the current Hastings Shingle Bank aggregate extraction licence with a view to identifying indicators of environmental disturbance.
6. To conduct grab sampling in the vicinity of the Hastings Shingle Bank in order to characterise a number of areas of seabed previously identified using various acoustic techniques.

PLAN: (see Figure 1)

RV *Cefas Endeavour* will leave Lowestoft on 25th July 2003 and sail to Area 408 where work will commence (aim 1). The ship will then sail to an area off Harwich (Area 222) to undertake a variety of surveys (aim 2). On completion of the work at Area 222, *Cefas Endeavour* will sail to the Varne (Off Dungeness).

Between the Varne and Hastings a broadscale habitat mapping survey will be carried out using a variety of tools (aim 3). Whilst at Hastings, survey work detailed in aims 4, 5 and 6 will be completed. Following this the ship will return to Lowestoft to dock on the 3rd August 2003.

GEAR:

Gear details can be provided by the SIC on request.

K M Cooper

15.07.03

INITIALLED:

DISTRIBUTION:

Basic list +
M Waddock
L A Murray
D Morris
S Malcolm
C Vivian
H Rees

K Cooper
D Limpenny
B Meadows
S Boyd
R Kilbride
A Smith
P Whomersley
J Eggleton
A Kenny
N Lyman
A Nichols
J Rees
P Burch
N Pearson
B Greenaway (DEFRA)
P Leonard (DEFRA)
R Emmerson (DEFRA)
G Boyes (DEFRA)
A Murray (Crown Estates Commission)
R Orpin (ODPM)

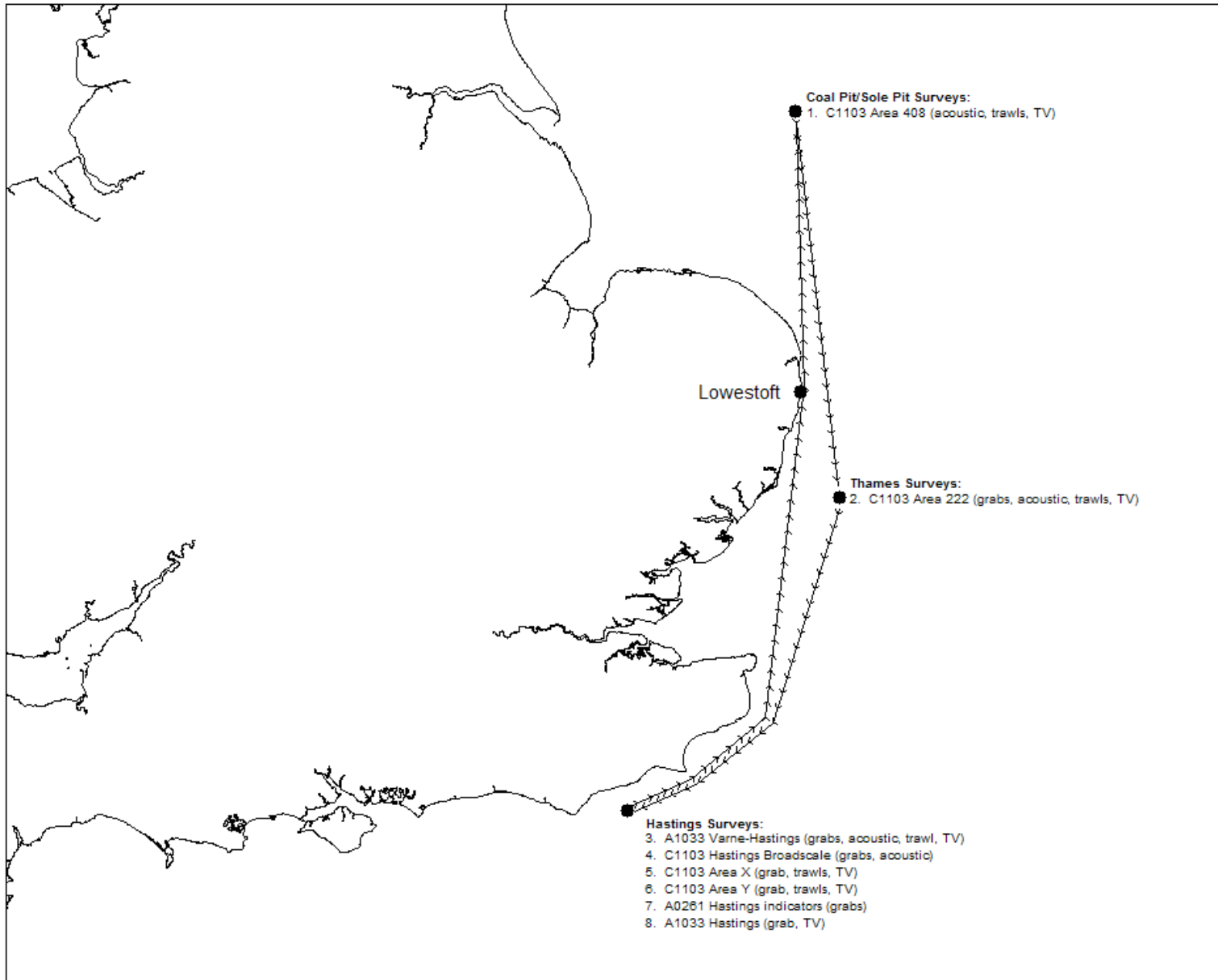


Figure 1.
Proposed route of
RV Cirolana
during the
research
programme C End
5/03.