

**CENTRE FOR ENVIRONMENT, FISHERIES & AQUACULTURE SCIENCE
LOWESTOFT LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND**

2008 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV CEFAS ENDEAVOUR: CRUISE 17/08

STAFF: J.M.ELSON
K.R.BURNETT
D.EATON
C.FIRMIN
A.R.LAWLER
P.WHELPPDALE
N.LYMAN (MIS)

DURATION: 18 - 25 September

LOCALITY: North Sea (English NE Coast)

AIMS:

1. To conduct a standard underwater TV survey of *Nephrops* burrow densities on the Farn Deep grounds, 55° 35' - 54° 45' N and 1° 30' - 0° 40' W, and to evaluate *Nephrops* abundance for comparison with previous years.
2. To collect concurrent video data, using a second camera, which will be directly comparable with that collected from other *Nephrops* grounds.
3. To characterise sediment features at and between TV survey stations using a remote acoustic seabed discrimination system (swathe bathymetry and QTC).

PLAN:

CEFAS ENDEAVOUR will sail on 18 September and will return to Lowestoft on 25 September. Video data will be collected from cameras mounted on a towed sledge. 105 stations will be visited (80 priority 1 stations; 8 priority 2 stations and 17 priority 3 stations) with the aim of recording a clear 10 minute continuous video transect of the sea bed at each (Figure 1). Provisional counts will be made of *Nephrops* burrow systems live at each station. The video will be reanalysed and the counts confirmed at sea.

JON ELSON
(Scientist-in-Charge)
27 August 2008

INITIALLED: JTA

DISTRIBUTION:

Basic list +	J.M.ELSON	K.R.BURNETT	D.EATON
	C. FIRMIN	A.R.LAWLER	P.WHELPPDALE
	N.LYMAN (MIS)		

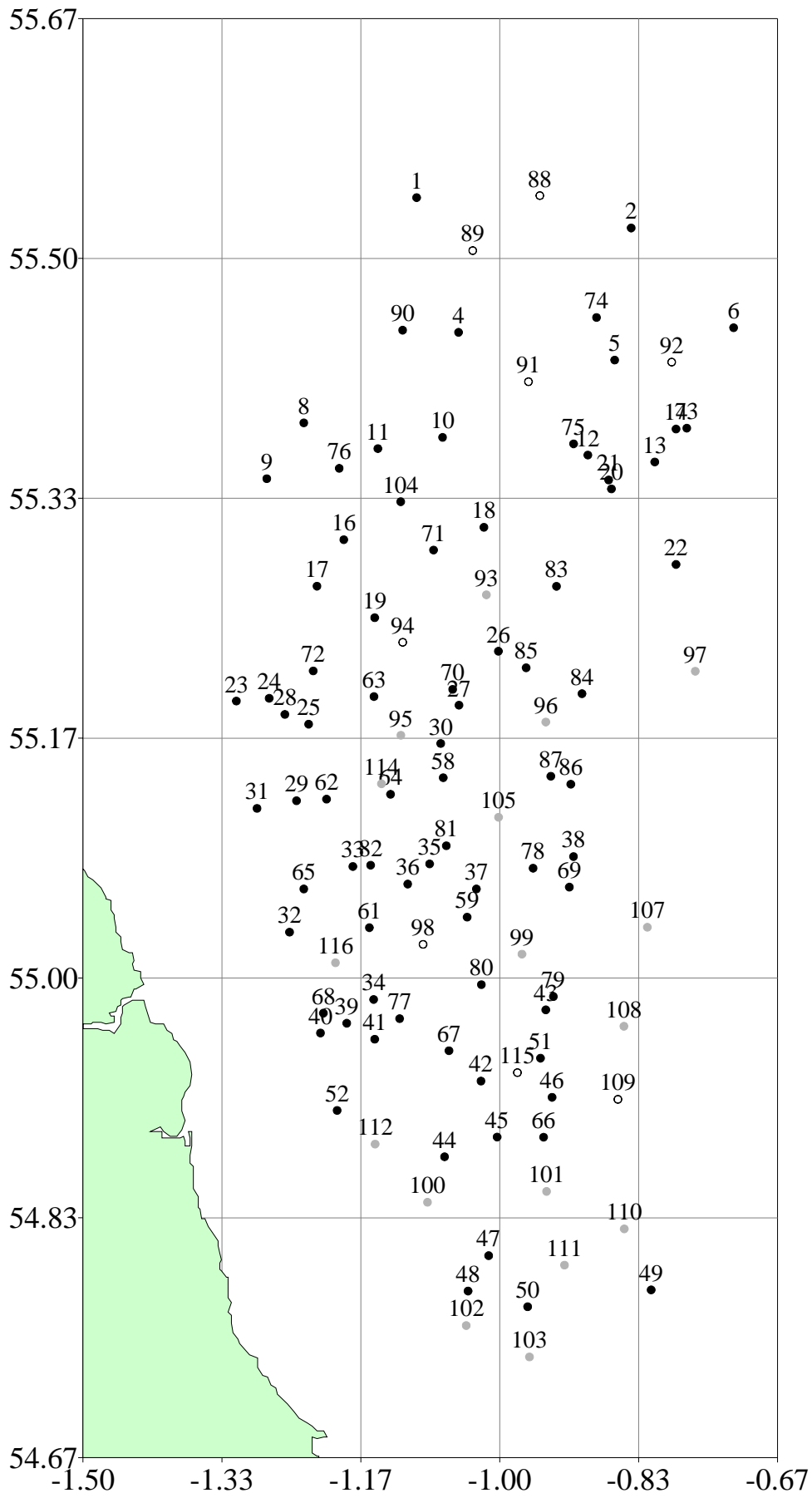


Figure 1. Station positions for sledge tows.