#### RV ENDEAVOUR CRUISE 5A -B\_11 CRUISE PLAN

#### Part A (Prawle Point to Plymouth Sound SAC) 23/0311 – 26-27/03/11 Departing Portland – Docking Plymouth

Paul Whomersley (SIC) (Cefas) Bill Meadows (Cefas) Julia Rance (Cefas) Ken May (Cefas) Andrew Griffith (Cefas) Nigel Lyman (Cefas) Suzanne Ware (Cefas) Bill Lawrence (Devon Sea Fisheries) Karl Menear (FLO) Andrew Knights (NE)

### Part B (Haig Fras) 26-27 /03/11 – 05/04/11 Departing Plymouth – Docking Lowestoft

Paul Whomersley (SIC) (Cefas) Bill Meadows (Cefas) Suzanne Ware (Cefas) Julia Rance (Cefas) Ken May (Cefas) Nigel Lyman (Cefas) Andrew Griffith (Cefas) Chris Jenkins (JNCC) Karl Menear (FLO) Gareth Johnson (JNCC)

<b>DURATION</b> : Part A	$23^{rd}$ March – $26-27^{th}$ March
Part B	$26-27^{th}$ March – $05^{th}$ April
<b>LOCATION</b> : Part A	Prawle Point to Plymouth Sound SAC
Part B	Haig Fras SAC and JNCC primary sampling area

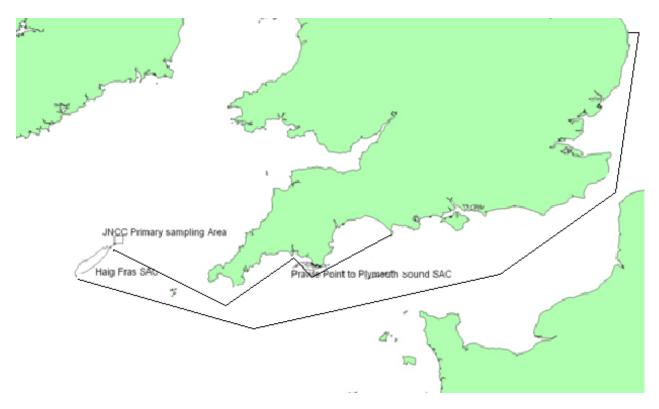


Figure 1 proposed cruise track

# AIMS:

- 1. To acquire 100% coverage of designated areas of the Prawle Point to Plymouth Sound SAC with Multibeam swath bathymetry in partnership with NE.
- 2. Acoustic and underwater camera survey at Haig Fras SAC in partnership with JNCC.

## **Cruise Plan**

# Part A 06/01/11 - 13/01/11

After departing Portland (23/03/11) Cefas Endeavour will transit to the Prawle Point to Plymouth Sound SAC and continue a multibeam swath bathymetry survey for 3days (**Aim 1**) and, if time allows, 1 or 2 drop camera tows. There will then be a change of scientists in Plymouth (or any other suitable location dependent on weather) on the 26-27/03/11.

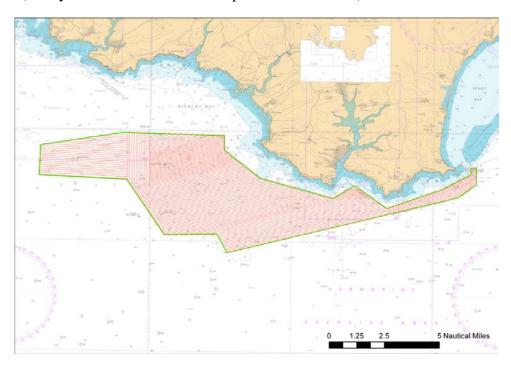


Figure 2 Planned MB survey

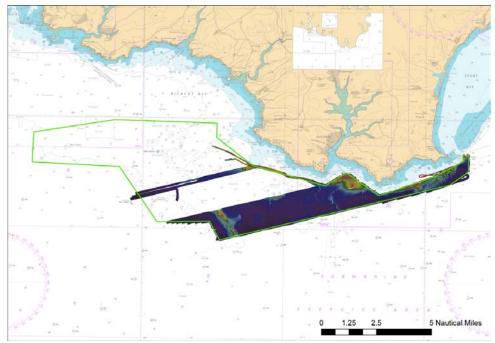
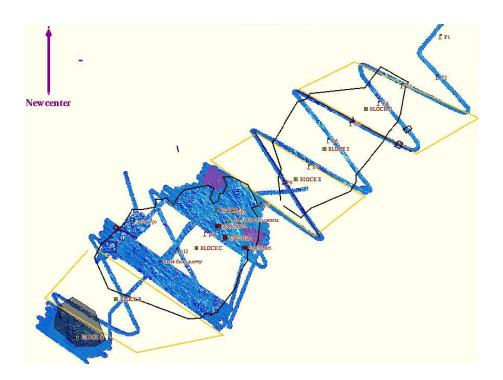


Figure 3 Completed proportion of planned MB survey (Aim1)

### Part B 26-27/03/11 - 05/04/11

The Cefas Endeavour will then proceed to the Haig Fras SAC(Approx 140nm) and continue an acoustic and underwater video survey (**Aim 2**). On completion of this work the Cefas Endeavour will transit back to Lowestoft arriving no later than the morning of the 05/04/11.



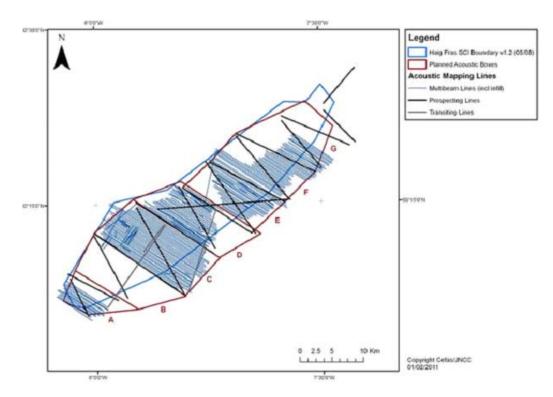


Figure 4 Completed proportion of planned MB survey (Aim 2)