

## RESEARCH VESSEL PROGRAMME

**RV CEFAS ENDEAVOUR**  
**Survey: C END 11A - 2019**

### STAFF:

Name	Role	Cabin	Shift
Manuel Nicolaus	SIC	SIC	Day
Marc Whybrow	2IC	B2	Day
Oliver Twigge	Moorings Lead	B1	Day
Annie Meadows	Chem Lead Nights	C1	00:00 – 12:00
Bryan Goodsir-Thompson	Moorings	C2	Day
Danja Hoehn	Moorings/Chem	C3	Day
Tom Hull	Chem Lead Days	C4	12:00 – 00:00
Francesco Pallottino	Chem	C5	00:00 – 12:00
Eleanor Haigh	Moorings/Chem	C6	Day
Frances Mynott	Chem	C7	12:00 – 00:00

**DURATION:** 3<sup>rd</sup> August to 4<sup>th</sup> August 2019

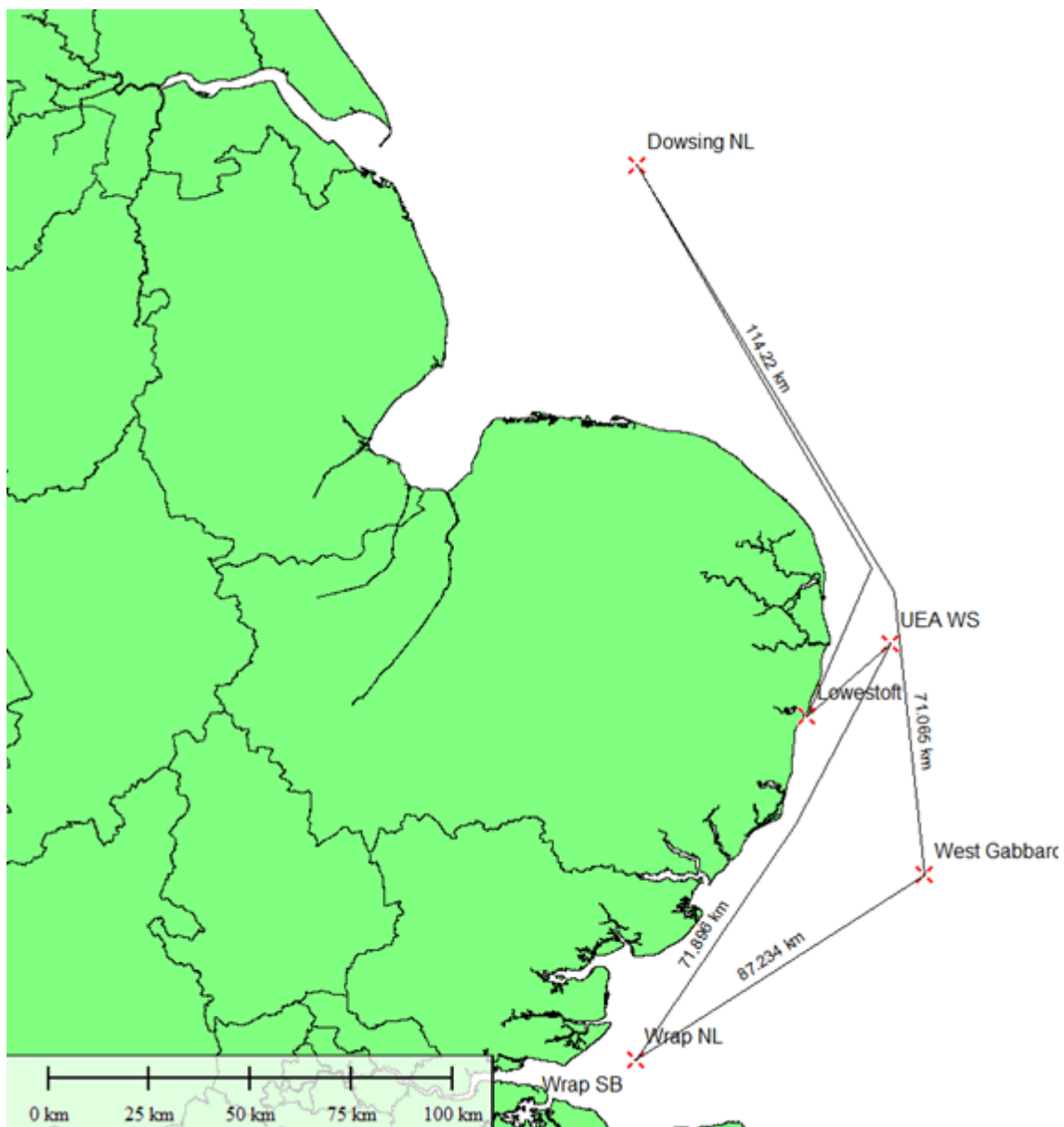
**MOBILISE:** LOWESTOFT

**DEMOBILISE:** LOWESTOFT

**OPERATION AREAS:** North Sea

### AIMS:

1. Service Noise Landers at Dowsing and Warp (SLA20A)
2. Service SmartBuoys at West Gabbard and Warp (SLA25G)
3. Collection of zooplankton sample at West Gabbard
4. Underway nutrient sampling using FerryBox water sampler
5. Water sample off Lowestoft for UEA
6. Underway and CTD water samples for UEA



#### PLAN:

RV Cefas Endeavour will sail at about 22:38hrs on Friday 2<sup>nd</sup> August (still to be confirmed) and steam north to Dowsing. We will have a planned arrival on the 3<sup>rd</sup> August to service the Noise Landers (53°31'.700N - 001°03'.206E) and take a CTD water sample.

On the same day, we will head south to the West Gabbard survey area, where we will service the SmartBuoy (51°57'.266N - 002°06'.666E), collect Pre and post CTD water samples and collect a vertical net sample for zooplankton analysis.

Overnight we will transit to the Warp survey area, where we will service the Noise Lander (51°31'.937N - 001°02'.808E), SmartBuoy (51°32'.000N - 001°02'.901E) and collect Pre and Post CTD water samples.

We will then head back north to the UEA water sample off Lowestoft (52° 28.339N, 001° 59.113E) and dock on the early tide on the 5<sup>th</sup> August at around 00:11hrs (still to be confirmed).

We will be carrying out 24hr water sampling during the survey.

Exact order of operations to be determined in consultation with the Master. If the weather is poor the route may be revised.

**GEAR:**

See Gear List

Marc Whybrow  
Second in Charge  
9<sup>th</sup> July 2019

**DISTRIBUTION:**

BODC  
MIST  
POMS