

RESEARCH VESSEL PROGRAMME

RV CEFAS ENDEAVOUR

Survey: C END 07 - 2019

STAFF:

Name	Role	Cabin	Shift
Daniel Wood	SIC	B2	06:00 – 18:00
John Sperry	Data Manager	B1	06:00 – 18:00
Malgorzata Wilczynska	Day Shift Lead	C5	12:00 – 00:00
Axa Molina-Ramirez	MIST	C7	12:00 – 00:00
Jessica Tailor	JNCC Rep	C2	12:00 – 00:00
Anna Downie*	Scientist	C3	12:00 – 00:00
Brian Kneafsey*	Scientist	C4	12:00 – 00:00
Ricardo Arosio*	Scientist	C6	12:00 – 00:00
Peter Randall*	Night Shift Lead	D6	00:00 – 12:00
Hannah Lloyd-Hartley*	Benthic	D2	00:00 – 12:00
Lucy Shuff*	Scientist	D3	00:00 – 12:00
Andy Bodle	Scientist	D4	00:00 – 12:00
Matthew Ferguson*	Scientist	C1	00:00 – 12:00
Rogan Harmer	Scientist	D5	00:00 – 12:00

* Require Inductions

DURATION: 25 May – 13 June 2019.

LOCATION:

CSEMP sampling stations en-route:

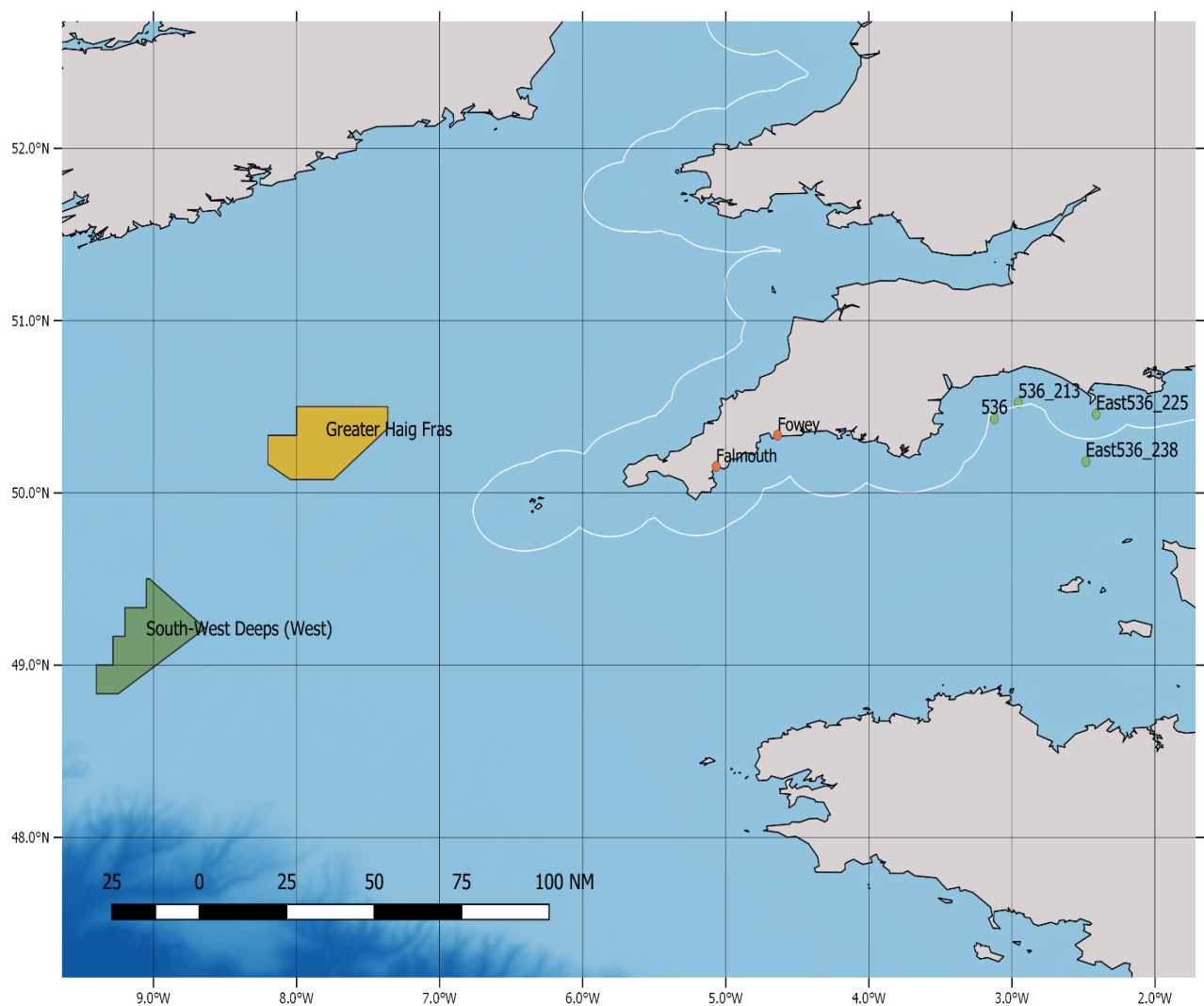
Site name	Lat (DD)	Long (DD)
536	50.43000	-3.12170
536_213	50.52378766	-2.953585333
East536_225	50.45547538	-2.41045651
East536_238	50.18140692	-2.482857839

Greater Haig Fras MCZ

fid	Longitude	Latitude
1	-7.362	50.375
2	-7.743	50.077
3	-8.043	50.077
4	-8.2	50.167
5	-8.2	50.333
6	-8	50.333
7	-8	50.5
8	-7.6	50.5
9	-7.362	50.499
10	-7.362	50.375

South West Deep (West) MCZ

fid	Longitude	Latitude
1	-9.028	49.5
2	-8.639	49.213
3	-9.247	48.833
4	-9.4	48.833
5	-9.4	49
6	-9.283	49
7	-9.283	49.167
8	-9.2	49.167
9	-9.2	49.333
10	-9.05	49.333
11	-9.05	49.5
12	-9.028	49.5



AIMS:

1. Survey of Greater Haig Fras MCZ
2. Survey of South West Deeps (West) MCZ
3. Samples for CSEMP programme in Lyme Bay

PLAN:

1. Leave from Lowestoft to Lyme Bay. Collect 5 x Day grab samples.
2. Transit to Greater Haig Fras MCZ. Collect drop camera images and mini Hamon grab samples at 100 stations. Possible use of Shipek grab for carbon/nitrogen sampling. 3 boxes of multibeam. Then, depending on time:
 - Up to 20 stations of HG and DC to ground truth Autonomous Underwater Vehicle (AUV) data for National Oceanography Centre (NOC) and/or.
 - MBES 3 further boxes at Greater Haig Fras MCZ and/or
 - Additional replicate sampling from previous stations or.
 - If 5 days or more survey time remain then transit to South West Deeps (West) MCZ for camera sledge and mini Hamon grab sampling at 120 stations

GEAR:

Drop Camera, Hamon grab, Camera Sledge, Day grab, Shipek grab and Multibeam

Daniel Wood
Scientist in Charge
01 May 2019

DISTRIBUTION:

Survey staff
P&O
MIST
BODC