Not to be cited without prior reference to the MSS Marine Laboratory, Aberdeen

MRV Scotia

Survey 1715S

PROGRAMME

18 November - 8 December 2015

Loading: Aberdeen 15/16 November 2015
Departure: Aberdeen 18 November 2015
Half Landing: Greenock 1 December 2015 (Provisional)
Unloading: Aberdeen 8 December 2015

In setting the survey programme and specific objectives, etc. the Scientist-in-Charge needs to be aware of the restrictions on working hours and the need to build in adequate rest days and rest breaks as set out in Marine Scotland's Working Time Policy (Lab Notice 34/03). In addition, the Scientist-in-Charge must formally review the risk assessments for the survey with staff on-board before work is commenced.

In the interest of efficient data management it is now mandatory to return the Survey Report, to I Gibb and the Survey Summary Report (old ROSCOP form) to M Geldart, within four weeks of a survey ending. In the case of the Survey Summary Report a nil return is required, if appropriate

Personnel

R J Kynoch	(SIC – Part 1)
M Kinghorn	(SIC – Part 2)
M Inglis	
N Ensor	
K Boyle	
E Barreto	(Part 1)
J Dooley	(Part 1)
J Mills	(Part 2)
R G-Mules	(Part 2)
K Summerbell	(Part 2)
H Holah	(Part 2)
J Monhart	(Part 1 - Visitor, Aberdeen University)

Estimated days by project: 21 days – RV1515 (20295)

Fishing Gear

GOV Trawl (BT137 – Strengthened) and ground gear D.

Objectives

1. To participate in the ICES co-ordinated western division demersal trawling survey.

2. To obtain temperature and salinity data profiles at each trawling position.

3. To collect additional biological data in connection with the EU data collection framework (DCF)

Procedures

The majority of the trawl gear for 1715S will be loaded at the start of the preceding survey, but some offloading/loading will occur during the landing day of 1615S. Loading of all other scientific equipment will take place on 16 November with all equipment being set up and tested on that day. *Scotia* will sail on 18 November and (after all safety drills and shakedown trawl shoot) commence fishing operations the following morning on the stations to the west of Orkney. Weather conditions at the time will determine the exact start area. Survey schedule and operations will be decided by SIC after daily consultation with Fishing Master and Captain. A half landing with be made around 1 December into Greenock to exchange staff, but the date and port are to be confirmed once the vessel has commenced the survey. The survey will end in Aberdeen on 8 December with all staff, equipment and fishing gear returning to the Marine Laboratory.

Trawling

One trawl haul of thirty minutes duration will be made at the positions (approximate) shown on the attached chart and table. Final trawl locations will be decided after SIC consultations with Fishing Master and Captain. For each haul, the Scanmar monitoring system and NOAA bottom contact sensor will be used to observe and record the performance and geometry of the trawl and trawl doors.

Fish Sampling

All fish will be treated according to current standard research vessel procedures and additional biological data will be collected as determined by EU data regulation 1639/2001 and 1581/2004.

Hydrography Sampling

CTD casts will be taken at each trawl station. The thermosalinograph will be run continuously to obtain sea surface temperature and salinity throughout the survey area.

Normal contacts will be maintained with MSS.

Submitted:
R J Kynoch
29 September 2015

Approved:
I Gibb
28 October 2015.

1715S: Trawl Locations

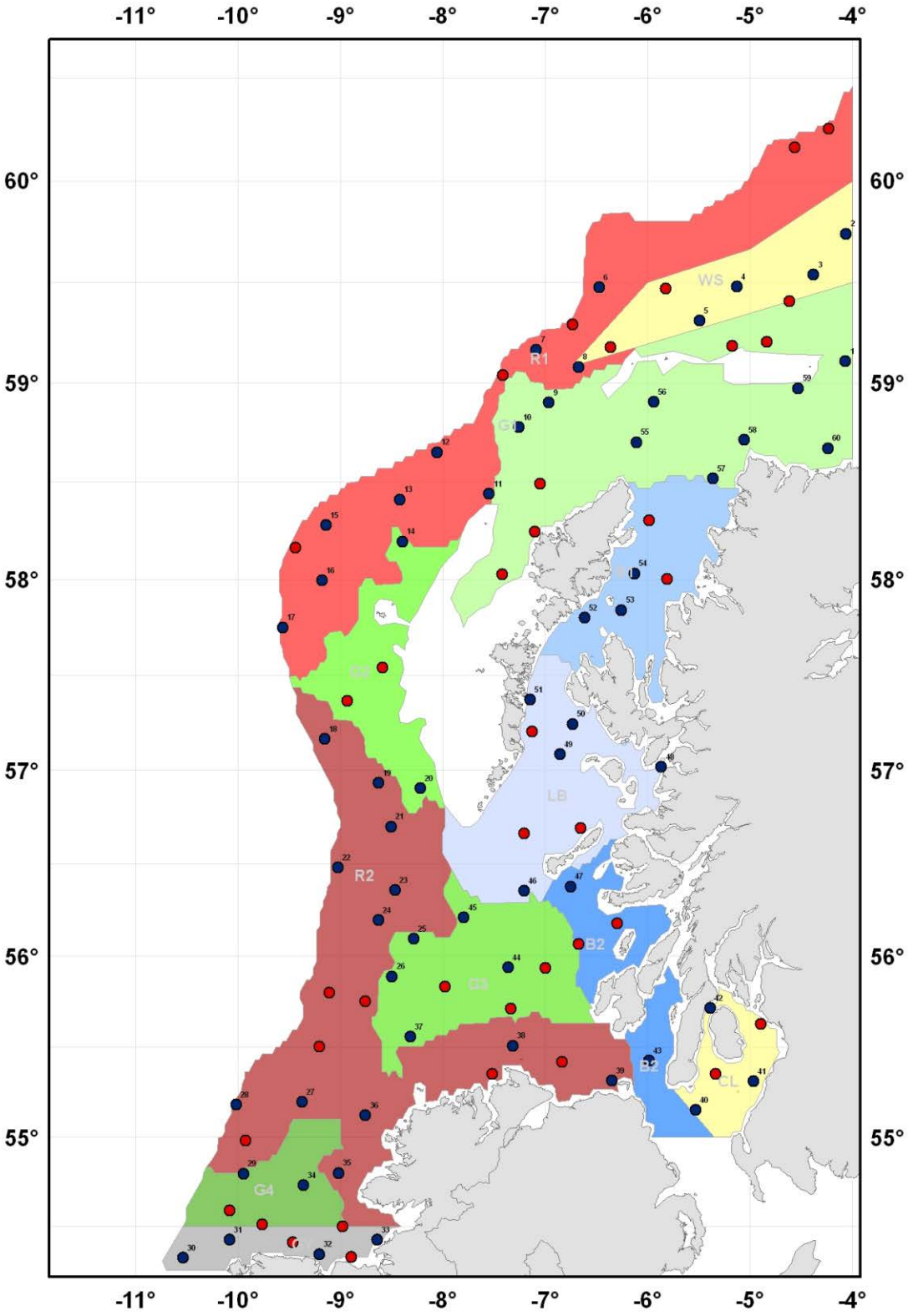

Table showing lat and longs for each core station (blue circle).

Please note alternative/additional stations (red circles) will be added as time allows.

Core Station	Deg Lat	Deg Long	Core Station	Deg Lat	Deg Long
1	5906.61N	0404.37W	31	5425.29N	1005.09W
2	5944.57N	0403.99W	32	5420.45N	0912.55W
3	5932.39N	0422.84W	33	5425.39N	0838.70W
4	5928.82N	0508.02W	34	5443.91N	0921.78W
5	5918.80N	0529.77W	35	5447.99N	0901.29W
6	5928.71N	0628.62W	36	5507.31N	0845.47W
7	5910.10N	0705.56W	37	5533.49N	0819.17W
8	5904.86N	0640.77W	38	5530.55N	0719.20W
9	5854.21N	0658.18W	39	5518.91N	0620.95W
10	5846.62N	0715.78W	40	5509.19N	0531.93W
11	5826.38N	0733.16W	41	5518.69N	0458.25W
12	5839.09N	0803.52W	42	5542.91N	0523.40W
13	5824.69N	0825.51W	43	5525.51N	0559.24W
14	5811.75N	0823.95W	44	5556.33N	0721.79W
15	5816.72N	0908.55W	45	5612.69N	0747.82W
16	5759.70N	0910.92W	46	5621.33N	0712.52W
17	5745.13N	0934.08W	47	5622.72N	0645.22W
18	5710.05N	0909.48W	48	5701.13N	0552.10W
19	5656.01N	0837.89W	49	5705.07N	0651.40W
20	5654.34N	0813.45W	50	5714.74N	0644.21W
21	5642.01N	0830.51W	51	5722.46N	0709.03W
22	5628.89N	0901.54W	52	5748.16N	0637.26W
23	5621.48N	0828.19W	53	5750.50N	0615.46W
24	5611.71N	0838.06W	54	5801.85N	0607.90W
25	5605.64N	0817.09W	55	5842.11N	0606.57W
26	5553.35N	0829.91W	56	5854.31N	0556.40W
27	5511.83N	0922.84W	57	5831.04N	0521.74W
28	5510.86N	1001.40W	58	5842.79N	0503.51W
29	5447.79N	0956.87W	59	5858.48N	0431.84W
30	5419.17N	1032.36W	60	5840.34N	0414.56W