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MRV Scotia

Survey 1814S

PROGRAMME

13 November - 4 December 2014

Loading: Aberdeen 10 November 2014

Departure: Aberdeen 13 November 2014

Half Landing: Greenock (24 or 25) November (flexible)

Unloading: Aberdeen 4 December 2014

In setting the survey programme and specific objectives, 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 (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
K Summerbell	
M Kinghorn	
R G-Mules	
E B-Cerezo	
F Burns	(Part 1)
J Dooley	(Part 1)
K Boyle	(Part 1)
J Drewery	(Part 2)
M Gault	(Part 2)
E Barreto	(Part 2)
J Devine	(Part 2, Visitor IMR, Bergen)

Estimated days by project: 22 days – RV1410 (20257)

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

Loading of trawl gear and scientific equipment will take place on 10 November, with all equipment being set up and tested prior to sailing. MRV *Scotia* will sail on 13 November and (after all safety drills and shakedown trawl shoot), commence operations the following morning on the stations to the west of the Orkneys. 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.

Trawling

One trawl haul of thirty minutes duration will be made at the positions (approximate) detailed and shown below in Table 1 and Figure 1. 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
2 October 2014

Approved:
I Gibb
31 October 2014.

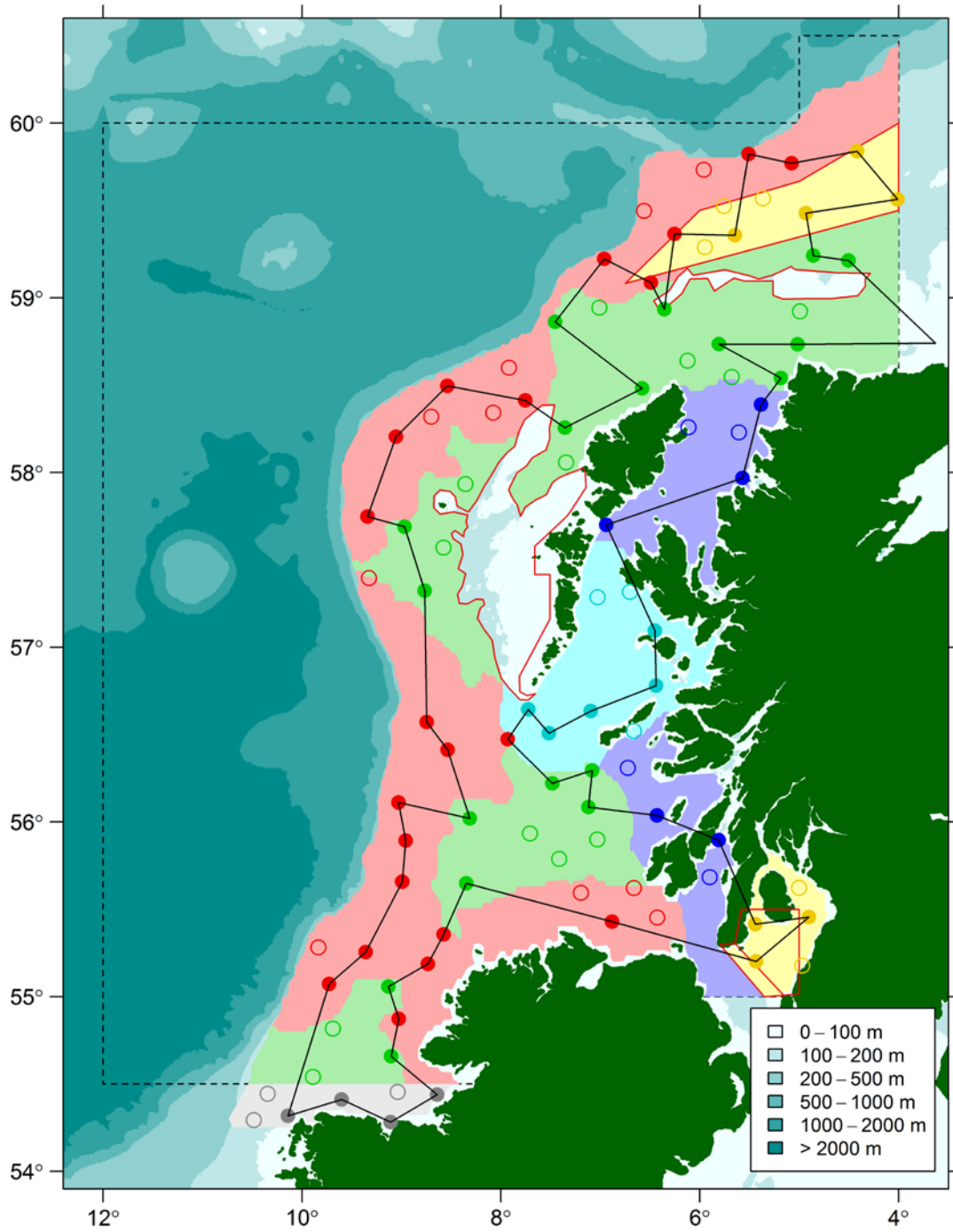


Figure 1: 1814S trawl locations, showing core stations (shaded circles). Please note additional stations (open circles) will be added as time allows.

Table 1

Station	Deg Lat	Deg Long	Station	Deg Lat	Deg Long
1	5923.76N	0433.80W	31	5427.21N	0907.42W
2	5934.51N	0440.37W	32	5426.80N	0845.90W
3	6008.72N	0429.38W	33	5443.27N	0903.37W
4	5929.53N	0507.41W	34	5503.47N	0914.92W
5	5918.34N	0525.66W	35	5520.76N	0846.88W
6	5936.01N	0538.84W	36	5526.09N	0805.00W
7	5932.42N	0616.21W	37	5544.37N	0756.91W
8	5917.89N	0627.35W	38	5529.59N	0701.32W
9	5913.27N	0603.01W	39	5522.89N	0632.11W
10	5842.68N	0636.75W	40	5502.94N	0508.31W
11	5836.14N	0657.80W	41	5536.36N	0455.31W
12	5846.38N	0701.73W	42	5515.70N	0538.51W
13	5856.67N	0729.42W	43	5525.97N	0604.95W
14	5827.29N	0754.09W	44	5556.93N	0611.80W
15	5758.52N	0728.56W	45	5553.97N	0645.23W
16	5830.17N	0822.41W	46	5609.58N	0649.79W
17	5816.65N	0905.23W	47	5613.53N	0708.78W
18	5748.22N	0923.38W	48	5616.51N	0731.63W
19	5744.93N	0843.30W	49	5635.19N	0655.54W
20	5708.28N	0819.51W	50	5645.64N	0712.11W
21	5703.74N	0851.07W	51	5653.48N	0644.40W
22	5642.10N	0820.97W	52	5701.74N	0711.26W
23	5604.74N	0858.37W	53	5718.60N	0707.19W
24	5534.85N	0847.75W	54	5757.58N	0625.91W
25	5532.63N	0919.46W	55	5749.40N	0601.07W
26	5516.81N	0952.68W	56	5827.62N	0542.41W
27	5454.61N	0938.31W	57	5836.19N	0531.43W
28	5431.92N	1008.51W	58	5851.64N	0512.88W
29	5415.82N	1030.23W	59	5838.29N	0439.58W
30	5421.30N	0929.20W	60	5839.58N	0406.52W

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PROGRAMME AMENDMENT

Mr W Bruce (SIDI Observer) will now participate on part one of this survey.

I Gibb

06/11/2014