



JNCC Report No: 599

**1016S Cruise Report: Monitoring survey of Geikie Slide and the Hebridean
Slope NCMPA**

Appendix 1: Survey metadata

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This Appendix is presented as a supplemental download to the main report

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Appendix 1: Survey metadata (summary version; full electronic spreadsheet available on request)

Table 1: Summary metadata for 1016S USNEL box corer sampling events. Latitudes and longitudes are USBL derived unless otherwise stated.

Station name	Attempt	Good sample	Fix times	Depth (m)	Latitude (USBL)	Longitude (USBL)
C18_S06	A1	NO	20/07/2016 00:13:59	657	58.4964	-9.1739
C18_S06	A2	NO	20/07/2016 00:42:20	657	58.4967	-9.1731
C18_S06	A3	YES	20/07/2016 01:03:23	657	58.4967	-9.1731
C16_S07	A1	NO	20/07/2016 03:06:42	888	58.4979	-9.2215
C16_S07	A2	YES	20/07/2016 03:34:57	888	58.4978	-9.2214
C17_S08	A1	YES	20/07/2016 05:52:23	638	58.4751	-9.1922
C15_S09	A1	NO	20/07/2016 08:37:02	708	58.4744	-9.2458
C15_S09	A2	NO	20/07/2016 09:09:05	708	58.4744	-9.2458
C15_S09	A3	NO	20/07/2016 10:02:29	711	58.4744	-9.2458
C15_S09	A4	NO	20/07/2016 10:48:26	696	58.4741	-9.2448
C13_S13	A1	YES	20/07/2016 23:44:07	900	58.4748	-9.2967
C14_S14	A1	YES	21/07/2016 02:02:44	653	58.4517	-9.2714
C11_S15	A1	YES	21/07/2016 04:05:23	868	58.4519	-9.3221
C12_S16	A1	YES	21/07/2016 07:45:43	633	58.4283	-9.2959
C08_S24	A1	NO	21/07/2016 23:24:23	607	58.3810	-9.3490
C08_S24	A2	NO	22/07/2016 00:08:07	601	58.3810	-9.3481
C08_S24	A3	NO	22/07/2016 00:37:30	605	58.3810	-9.3481
C08_S24	A4	YES	22/07/2016 01:14:15	605	58.3812	-9.3479
C10_S25	A1	YES	22/07/2016 04:08:56	605	58.4051	-9.3217
C09_S26	A1	YES	22/07/2016 06:10:39	678	58.4284	-9.3475
C07_S27	A1	YES	22/07/2016 09:56:31	656	58.4047	-9.3727
C02_S37	A1	YES	22/07/2016 23:40:46	626	58.3342	-9.4478
C01_S38	A1	NO	23/07/2016 02:28:44	680	58.3570	-9.4757
C04_S39	A1	YES	23/07/2016 03:22:12	633	58.3578	-9.4231
C06_S40	A1	YES	23/07/2016 05:49:25	600	58.3578	-9.3724
C05_S41	A1	YES	23/07/2016 09:14:19	650	58.3816	-9.3988

Station name	Attempt	Good sample	Fix times	Depth (m)	Latitude (USBL)	Longitude (USBL)
D10_S42	A1	YES	23/07/2016 10:39:08	480	58.3822	-9.1918
D18_S46	A1	YES	23/07/2016 23:19:34	441	58.4517	-8.9624
D17_S47	A1	YES	24/07/2016 02:24:02	431	58.4298	-8.9884
D16_S48	A1	YES	24/07/2016 05:28:27	469	58.4510	-9.0126
D15_S49	A1	YES	24/07/2016 08:44:29	460	58.4289	-9.0396
D14_S59	A1	YES	24/07/2016 23:12:56	441	58.4047	-9.0646
D13_S60	A1	YES	25/07/2016 01:47:03	467	58.4045	-9.1193
D11_S61	A1	YES	25/07/2016 05:22:02	496	58.4044	-9.1698
D12_S62	A1	YES	25/07/2016 08:41:42	451	58.3819	-9.1407
D08_S68	A1	YES	25/07/2016 23:15:26	508	58.3811	-9.2417
D09_S69	A1	YES	26/07/2016 02:10:15	465	58.3580	-9.2193
D06_S70	A1	YES	26/07/2016 05:54:47	495	58.3589	-9.2687
D07_S71	A1	NO	26/07/2016 08:49:25	455	58.3357	-9.2440
F16_S75	A1	YES	28/07/2016 08:08:22	450	58.5901	-8.4453
F14_S76	A1	YES	28/07/2016 09:20:04	466	58.5901	-8.4964
D01_S82	A1	YES	28/07/2016 23:35:45	470	58.2861	-9.3467
D03_S83	A1	YES	29/07/2016 01:39:42	438	58.2874	-9.2969
D05_S84	A1	YES	29/07/2016 03:48:38	446	58.3116	-9.2697
D04_S85	A1	NO	29/07/2016 06:03:25	485	58.3339	-9.2959
D04_S85	A2	YES	29/07/2016 06:40:53	484	58.3341	-9.2964
D02_S86	A1	YES	29/07/2016 09:12:42	475	58.3107	-9.3214
D07_S87	A2	YES	29/07/2016 10:48:06	450	58.3341	-9.2443
F01_S88	A1	NO ¹	n/a	n/a	NA	NA
F01_S88	A2	YES	29/07/2016 15:29:36	473	58.4986	-8.8599
F02_S89	A1	YES	29/07/2016 18:46:33	428	58.4735	-8.8315
F04_S90	A1	YES	29/07/2016 22:00:52	410	58.4742	-8.7841
F03_S91	A1	YES	30/07/2016 00:56:28	451	58.4976	-8.8083
F06_S92	A1	YES	30/07/2016 02:53:33	430	58.4961	-8.7554

¹ Vessel fell out of DP – box corer brought back up to surface before it reached the seabed

Station name	Attempt	Good sample	Fix times	Depth (m)	Latitude (USBL)	Longitude (USBL)
F05_S93	A1	YES	30/07/2016 05:13:14	473	58.5201	-8.7824
F07_S94	A1	YES	30/07/2016 08:08:24	456	58.5207	-8.7305
F08_S95	A1	NO	30/07/2016 10:27:41	484	58.5443	-8.7049
F08_S95	A2	YES	30/07/2016 10:53:02	484	58.5441	-8.7042
F09_S96	A1	NO	30/07/2016 14:04:34	462	58.5445	-8.6525
F09_S96	A2	YES	30/07/2016 14:49:36	464	58.5444	-8.6548
F10_S97	A1	YES	30/07/2016 17:50:31	487	58.5663	-8.6259
F11_S98	A1	YES	30/07/2016 20:42:43	467	58.5670	-8.5751
F12_S99	A1	YES	30/07/2016 22:34:00	487	58.5902	-8.5509
F13_S100	A1	YES	31/07/2016 01:33:17	444	58.5666	-8.5231
F15_S101	A1	YES	31/07/2016 04:07:29	424	58.5668	-8.4709
F17_S102	A1	YES	31/07/2016 06:01:56	404	58.5662	-8.4212
F18_S103	A1	YES	31/07/2016 08:41:54	474	58.6129	-8.4210
E08_S113	A1	YES	31/07/2016 21:43:00	272	58.2642	-8.9127
E11_S114	A1	YES	01/08/2016 00:53:45	262	58.2875	-8.8359
E13_S115	A1	YES	01/08/2016 03:23:48	270	58.3097	-8.8115
E16_S116	A1	YES	01/08/2016 05:37:01	260	58.3346	-8.7339
E14_S117	A1	NO	01/08/2016 08:21:12	227	58.2875 (Ships Position)	-8.7844 (Ships Position)
E14_S117	A2	NO	01/08/2016 08:43:40	227	58.2873 (Ships Position)	-8.7846 (Ships Position)
E15_S118	A1	YES	01/08/2016 09:21:12	251	58.3113	-8.7587
E17_S119	A1	NO	01/08/2016 10:18:03	220	58.3106 (Ships Position)	-8.7074 (Ships Position)
E17_S119	A2	NO	01/08/2016 10:33:13	220	58.3106 (Ships Position)	-8.7074 (Ships Position)
E17_S119	A3	NO	01/08/2016 10:53:12	226	58.3116	-8.7115

Table 2: Summary metadata for 1016S drop-frame camera transects, including Start of Line (SOL) and End of Line (EOL) information. Latitudes and longitudes are USBL derived unless otherwise stated.

Station name	SOL/EOL	Still number	Date & time	Water depth (m)	Latitude (USBL)	Longitude (USBL)
C18_S01	SOL	1	19/07/2016 18:10:47	652	58.4998	-9.1631
C18_S01	EOL	16	19/07/2016 18:20:47	649	58.4984	-9.1613
C16_S02	SOL	1	19/07/2016 19:22:00	889	58.5008	-9.2175
C16_S02	EOL	17	19/07/2016 19:34:12	889	58.4997	-9.2184
C15_S03	SOL	1	19/07/2016 20:32:01	760	58.4765	-9.2456
C15_S03	EOL	15	19/07/2016 20:42:43	766	58.4763	-9.2483
C13_S04	SOL	1	19/07/2016 21:38:21	898	58.4755	-9.2979
C13_S04	EOL	15	19/07/2016 21:50:41	892	58.4722	-9.2996
C11_S05	SOL	1	19/07/2016 22:47:11	873	58.4534	-9.3248
C11_S05	EOL	15	19/07/2016 22:57:09	858	58.4519	-9.3249
C12_S10	SOL	1	20/07/2016 11:57:24	628	58.4266	-9.2931
C12_S10	EOL	15	20/07/2016 12:09:22	625	58.4253	-9.2921
C10_S11	SOL	1	20/07/2016 15:16:07	622	58.4048	-9.3263
C10_S11	EOL	13	20/07/2016 15:24:43	624	58.4052	-9.3289
C07_S12	SOL	1	20/07/2016 20:22:55	657	58.4058	-9.3715
C07_S12	EOL	20	20/07/2016 20:39:28	655	58.4044	-9.3724
C05_S17	SOL	1	21/07/2016 14:03:03	642	58.3789	-9.3991
C05_S17	EOL	18	21/07/2016 14:14:49	640	58.3773	-9.3987
C03_S18	SOL	1	21/07/2016 15:39:08	754	58.3811	-9.4495
C03_S18	EOL	17	21/07/2016 15:49:58	743	58.3799	-9.4507
C04_S19	SOL	1	21/07/2016 16:47:21	638	58.3604	-9.4213
C04_S19	EOL	15	21/07/2016 16:58:37	638	58.3576	-9.4253
C01_S20	SOL	1	21/07/2016 17:57:03	686	58.3615	-9.4721

Station name	SOL/EOL	Still number	Date & time	Water depth (m)	Latitude (USBL)	Longitude (USBL)
C01_S20	EOL	11	21/07/2016 18:07:07	686	58.3603	-9.4736
D01_S21	SOL	1	21/07/2016 19:30:22	472	58.2918	-9.3431
D01_S21	EOL	25	21/07/2016 19:45:30	472	58.2905	-9.3433
D03_S22	SOL	1	21/07/2016 20:51:35	437	58.2890	-9.2916
D03_S22	EOL	17	21/07/2016 21:07:31	436	58.2876	-9.2927
D05_S23	SOL	1	21/07/2016 22:00:14	446	58.3152	-9.2663
D05_S23	EOL	19	21/07/2016 22:12:00	446	58.3141	-9.2679
D04_S28	SOL	1	22/07/2016 11:32:23	486	58.3370	-9.2931
D04_S28	EOL	20	22/07/2016 11:44:05	486	58.3363	-9.2945
D06_S29	SOL	1	22/07/2016 12:44:19	495	58.3600	-9.2676
D06_S29	EOL	14	22/07/2016 12:54:17	493	58.3589	-9.2677
D09_S30	SOL	1	22/07/2016 14:19:09	461	58.3581	-9.2167
D09_S30	EOL	10	22/07/2016 14:28:12	459	58.3566	-9.2165
D10_S31	SOL	1	22/07/2016 15:31:16	476	58.3824	-9.1896
D10_S31	EOL	15	22/07/2016 15:42:22	475	58.3805	-9.1916
D12_S32	SOL	1	22/07/2016 16:32:18	451	58.3832	-9.1393
D12_S32	EOL	16	22/07/2016 16:43:19	451	58.3823	-9.1412
D13_S33	SOL	1	22/07/2016 17:39:44	468	58.4076	-9.1114
D13_S33	EOL	15	22/07/2016 17:49:51	466	58.4050	-9.1142
D16_S34	SOL	1	22/07/2016 18:58:39	471	58.4536	-9.0060
D16_S34	EOL	14	22/07/2016 19:10:52	472	58.4529	-9.0091
D17_S35	SOL	1	22/07/2016 20:22:17	434	58.4283	-8.9882
D17_S35	EOL	16	22/07/2016 20:36:29	434	58.4278	-8.9905
D14_S36	SOL	1	22/07/2016 21:30:41	441	58.4071	-9.0600
D14_S36	EOL	16	22/07/2016 21:43:31	441	58.4065	-9.0624
F01_S43	SOL	1	23/07/2016 20:04:33	474	58.5000	-8.8553
F01_S43	EOL	21	23/07/2016 20:19:36	472	58.4987	-8.8569

Station name	SOL/EOL	Still number	Date & time	Water depth (m)	Latitude (USBL)	Longitude (USBL)
F03_S44	SOL	1	23/07/2016 21:06:37	452	58.4994	-8.8022
F03_S44	EOL	16	23/07/2016 21:18:27	453	58.4995	-8.8047
F02_S45	SOL	1	23/07/2016 22:03:48	434	58.4779	-8.8313
F02_S45	EOL	21	23/07/2016 22:17:24	433	58.4767	-8.8329
F17_S50	SOL	1	24/07/2016 11:26:53	405	58.5687	-8.4173
F17_S50	EOL	14	24/07/2016 11:37:07	403	58.5674	-8.4162
F16_S51	SOL	1	24/07/2016 12:42:37	446	58.5896	-8.4453
F16_S51	EOL	13	24/07/2016 12:53:39	443	58.5881	-8.4457
F14_S52	SOL	1	24/07/2016 14:09:39	462	58.5869	-8.5007
F14_S52	EOL	20	24/07/2016 14:25:00	461	58.5856	-8.5013
F13_S53	SOL	1	24/07/2016 15:19:07	443	58.5678	-8.5237
F13_S53	EOL	14	24/07/2016 15:29:58	441	58.5661	-8.5239
F11_S54	SOL	1	24/07/2016 16:18:18	471	58.5698	-8.5768
F11_S54	EOL	10	24/07/2016 16:27:49	467	58.5687	-8.5752
F10_S55	SOL	1	24/07/2016 17:41:39	490	58.5679	-8.6264
F10_S55	EOL	12	24/07/2016 17:51:38	491	58.5692	-8.6243
F08_S56	SOL	1	24/07/2016 18:54:28	482	58.5416	-8.7030
F08_S56	EOL	13	24/07/2016 19:04:29	484	58.5431	-8.7017
F07_S57	SOL	1	24/07/2016 19:52:59	458	58.5227	-8.7269
F07_S57	EOL	17	24/07/2016 20:07:22	457	58.5216	-8.7283
F06_S58	SOL	1	24/07/2016 20:49:48	434	58.5003	-8.7535
F06_S58	EOL	16	24/07/2016 21:02:55	433	58.4993	-8.7556
A18_S63	SOL	1	25/07/2016 11:51:53	1608	58.6159	-9.4539
A18_S63	EOL	15	25/07/2016 12:03:16	1603	58.6147	-9.4550
A16_S64	SOL	1	25/07/2016 14:26:49	1601	58.6105 (Ships Position)	-9.5004 (Ships Position)
A16_S64	EOL	24	25/07/2016 14:38:21	1608	58.6091 (Ships Position)	-9.4991 (Ships Position)
A17_S65	SOL	1	25/07/2016 16:35:34	1441	58.5871	-9.4820

Station name	SOL/EOL	Still number	Date & time	Water depth (m)	Latitude (USBL)	Longitude (USBL)
A17_S65	EOL	15	25/07/2016 16:46:35	1452	58.5883	-9.4831
A14_S66	SOL	1	25/07/2016 18:34:26	1591	58.5866	-9.5315
A14_S66	EOL	15	25/07/2016 18:46:40	1595	58.5881	-9.5300
A15_S67	SOL	1	25/07/2016 20:21:57	1372	58.5679	-9.5024
A15_S67	EOL	15	25/07/2016 20:36:38	1367	58.5669	-9.5025
A11_S72	SOL	1	26/07/2016 11:57:01	1325	58.5212	-9.5484
A11_S72	EOL	15	26/07/2016 12:08:32	1338	58.5207	-9.5501
A06_S73	SOL	1	26/07/2016 14:22:09	1529	58.5169	-9.6048
A06_S73	EOL	16	26/07/2016 14:33:28	1528	58.5161	-9.6067
A13_S74	SOL	1	26/07/2016 16:19:56	1315	58.5416	-9.5227
A13_S74	EOL	14	26/07/2016 16:30:14	1316	58.5394	-9.5263
A08_S77	SOL	1	28/07/2016 13:47:49	1353	58.4929	-9.5756
A08_S77	EOL	16	28/07/2016 14:00:05	1365	58.4926	-9.5775
A03_S78	SOL	1	28/07/2016 15:49:34	1543	58.4934	-9.6356
A03_S78	EOL	20	28/07/2016 16:00:17	1556	58.4935	-9.6385
A05_S79	SOL	1	28/07/2016 18:00:53	1401	58.4675	-9.6035
A05_S79	EOL	11	28/07/2016 18:10:38	1410	58.4684	-9.6043
A02_S80	SOL	1	28/07/2016 19:51:17	1492	58.4426	-9.6311
A02_S80	EOL	20	28/07/2016 20:02:51	1494	58.4441	-9.6313
A10_S81	SOL	1	28/07/2016 21:27:18	1180	58.4683	-9.5531
A10_S81	EOL	22	28/07/2016 21:40:18	1185	58.4698	-9.5539
E16_S104	SOL	1	31/07/2016 11:27:41	259	58.3345 (Ships Position)	-8.7317 (Ships Position)
E16_S104	EOL	16	31/07/2016 11:38:43	260	58.3359 (Ships Position)	-8.7323 (Ships Position)
E17_S105	SOL	1	31/07/2016 12:35:11	221	58.3100	-8.7072
E17_S105	EOL	16	31/07/2016 12:45:19	225	58.3113	-8.7081
E15_S106	SOL	1	31/07/2016 13:35:02	252	58.3094	-8.7587
E15_S106	EOL	15	31/07/2016 13:45:39	250	58.3111	-8.7589

Station name	SOL/EOL	Still number	Date & time	Water depth (m)	Latitude (USBL)	Longitude (USBL)
E14_S107	SOL	1	31/07/2016 14:58:22	228	58.3100	-8.7072
E14_S107	EOL	15	31/07/2016 15:10:24	234	58.3113	-8.7081
E13_S108	SOL	1	31/07/2016 17:34:01	270	58.3094	-8.7587
E13_S108	EOL	17	31/07/2016 17:44:16	269	58.3111	-8.7589
E11_S109	SOL	1	31/07/2016 18:25:24	262	58.3100	-8.7072
E11_S109	EOL	14	31/07/2016 18:35:41	261	58.3113	-8.7081
E12_S110	SOL	1	31/07/2016 19:22:17	214	58.2658	-8.8045
E12_S110	EOL	19	31/07/2016 19:33:12	214	58.2645	-8.8050
E10_S111	SOL	1	31/07/2016 20:13:15	252	58.2632	-8.8587
E10_S111	EOL	17	31/07/2016 20:25:51	255	58.2638	-8.8612
E08_S112	SOL	1	31/07/2016 21:07:56	273	58.2640	-8.9114
E08_S112	EOL	15	31/07/2016 21:20:22	271	58.2651	-8.9124

Table 3: Summary metadata for 1016S camera chariot transect. Latitudes and longitudes are USBL derived.

Station Name	SOL/EOL	Fix Number	Date & Time	Water Depth (m)	Latitude (USBL)	Longitude (USBL)
TOW02_S120	SOL	1	01/08/2016 13:29:54	324	58.3256	-8.9497
TOW02_S120	-	2	01/08/2016 13:34:54	-	58.3258	-8.9542
TOW02_S120	-	3	01/08/2016 13:39:55	-	58.3261	-8.9593
TOW02_S120	-	4	01/08/2016 13:44:54	-	58.3265	-8.9645
TOW02_S120	-	5	01/08/2016 13:49:54	-	58.3269	-8.9697
TOW02_S120	-	6	01/08/2016 13:54:54	-	58.3274	-8.9749
TOW02_S120	-	7	01/08/2016 13:59:55	-	58.3280	-8.9804
TOW02_S120	-	8	01/08/2016 14:04:54	-	58.3286	-8.9856
TOW02_S120	-	9	01/08/2016 14:09:54	-	58.3292	-8.9909
TOW02_S120	-	10	01/08/2016 14:14:54	-	58.3299	-8.9958
TOW02_S120	-	11	01/08/2016 14:19:55	-	58.3306	-9.0008
TOW02_S120	-	12	01/08/2016 14:24:54	-	58.3312	-9.0059
TOW02_S120	EOL	13	01/08/2016 14:29:55	351	58.3317	-9.0109