

Northwest Atlantic



Fisheries Organization

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Revision of List of NAFO Standard Oceanographic Sections and Stations

by

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Background

Extensive oceanographic work on the standard sections in NAFO Subarea 1 has proved that some of the depths, as given in the published List of Standard Oceanographic Sections and Stations (ICNAF Selected Papers, No. 3, p. 109-117, 1978) may be wrong. Thus, it is questionable whether one should seek the designated depth or the designated position. In some cases, especially at positions on the continental slope, the given depths may vary greatly (e.g. see Station 4 of the Fylla Bank Section in the appended list). During the June 1987 Meeting of the Scientific Council the STACFIS Environmental Subcommittee decided that a study of the actual depths at the standard stations be undertaken. It was generally agreed that the approximate depths at the station sites should be published but they should be used only as a guide. At the June 1988 Meeting it was emphasized that maintenance of the station position should be of first priority, especially within the scope of long-term time series, and that a continuous update of the observed depth ranges be done.

Data and Methods

Based on a request for station depth data as circulated in February 1987 by the NAFO Assistant Executive Secretary a list was compiled which gives Subarea, Section Name, Latitude N (DDMM.M), Longitude W (DDMM.M), "old" Depth (according to ICNAF Selected Papers, No. 3, p. 109-117, 1978), and the Range of observed depths. Information on observed depths was received from Canada, Greenland (Denmark) and the Federal Republic of Germany. Positions were determined by means of Satellite Navigation and LORAN C. The Canadian data cover sections in NAFO Subarea 2 and 3, Subarea 1 data originate from Greenland (Denmark) and the Federal Republic of Germany. The depth range data were observed between 1983 and 1987. If there is only one depth value listed in the "Range" column it represents either one observation or coincident observations. The latter is marked by #.

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List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
1	Cape Farewell	59 38	44 09	143	155 - 167
1	Cape Farewell	59 27	44 30	165	975 -1227
1	Cape Farewell	59 16	44 46	1829	-1992
1	Cape Farewell	59 00	45 20	2118	2357-2362
1	Cape Farewell	58 46	45 50	2535	2617-2627
1	Cape Farewell	58 23	46 34	2688	-2907
1	Cape Farewell	58 00	47 16	3409	-3207
1	Cape Desolation	60 50	48 45	140	143 - 163
1	Cape Desolation	60 43	49 11	652	650 -1107
1	Cape Desolation	60 28	50 00	2934	# -2987
1	Cape Desolation	60 15	50 44	3146	-3167
1	Cape Desolation	60 02	51 27	3340	-3357
1	Frederikshab	61 57	50 00	206	90 - 99
1	Frederikshab	61 52	50 35	523	357 - 977
1	Frederikshab	61 47	51 09	2605	2667-2707
1	Frederikshab	61 41	51 45	2890	2947-2957
1	Frederikshab	61 34	52 30	3016	-3047
1	Frederikshab	61 26	53 25	3087	-3007
1	Fylla Bank	63 57*	52 22*	304	
1	Fylla Bank	63 58	52 44	49	48 - 51
1	Fylla Bank	63 55	53 07	138	83 - 98
1	Fylla Bank	63 53	53 22	605	920 -1067
1	Fylla Bank	63 48	53 56	1110	1267-1337
1	Fylla Bank	63 45	54 30	1172	-1157
1	Fylla Bank	63 37	55 30	1643	-1337
1	Fylla Bank	61 31	56 25	1482	-1477
1	Fylla Bank	63 25	57 20	1715	-1867
1	Fylla Bank	63 19	58 15	1390	
1	Fylla Bank	63 12	59 10	1000	
1	Lille Hellefiskebanke	65 06	52 55*	150	- 247
1	Lille Hellefiskebanke	65 06	53 32	72	60 - 63
1	Lille Hellefiskebanke	65 06	53 59	74	84 - 85
1	Lille Hellefiskebanke	65 06	54 28	100	129 - 132
1	Lille Hellefiskebanke	65 06	54 58	609	622 - 627
1	Lille Hellefiskebanke	65 06	55 43	855	- 832
1	Lille Hellefiskebanke	65 06	56 30	678	- 696
1	Lille Hellefiskebanke	65 06	57 30	722	- 724
1	Lille Hellefiskebanke	65 06	58 32	540	
1	Holsteinsborg	66 53	54 10	52	- 53
1	Holsteinsborg	66 50	54 42	48	- 53
1	Holsteinsborg	66 46	55 36	122	- 121
1	Holsteinsborg	66 43	56 07	166	- 172
1	Holsteinsborg	66 41	56 38	456	- 558
1	Holsteinsborg	66 36	57 30	620	- 585
1	Egedesminde	68 00	55 00	42	- 54
1	Egedesminde	68 02	55 28	79	- 82
1	Egedesminde	68 04	56 00	92	- 146
1	Egedesminde	68 07	56 44	250	- 231
1	Egedesminde	68 08	57 17	352	- 343

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List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
2	Cumberland	63 52	63 32	180a	
2	Cumberland	63 41	62 30	208	
2	Cumberland	63 33	61 28	242	
2	Cumberland	63 28	60 56	403	
2	Cumberland	63 23	60 25	530a	
2	Cumberland	63 19	60 01	1000a	
2	Cumberland	63 14	59 26	1041	
2	Cumberland	63 12	59 10	975	
2	Ryans Bay	59 38	63 34	100a	
2	Ryans Bay	59 43	63 04	147	
2	Ryans Bay	59 47	62 34	150	
2	Ryans Bay	59 53	62 05	174	
2	Ryans Bay	59 59	61 34	240	
2	Ryans Bay	60 05	61 03	300	
2	Ryans Bay	60 10	60 34	1502	
2	Ryans Bay	60 15	60 04	1922	
2	Beachy Island	57 07	61 06	118	
2	Beachy Island	57 16	60 41	183	
2	Beachy Island	57 23	60 15	176	
2	Beachy Island	57 31	59 49	178	
2	Beachy Island	57 39	59 23	622	
2	Beachy Island	57 45	59 00	1532	
2	Beachy Island	57 53	58 35	2260	
2	Beachy Island	58 03	58 09	2561	
2	Seal Island	53 14	55 39	43	60 - 75
2	Seal Island	53 20	55 30	124	126 - 131
2	Seal Island	53 37	55 00	300	293 - 320
2	Seal Island	53 55	54 30	185	170 - 177
2	Seal Island	54 12	54 00	215	218 - 222
2	Seal Island	54 30	53 30	340	347 - 352
2	Seal Island	54 38	53 15	610	720 - 739
2	Seal Island	54 47	53 00	1306	1075-1091
2	Seal Island	55 04	52 30	2686	# -2700
1,2	Cumberland-Fylla Bank	63 52	63 32	180a	
1,2	Cumberland-Fylla Bank	63 41	62 30	208	
1,2	Cumberland-Fylla Bank	63 33	61 28	242	
1,2	Cumberland-Fylla Bank	63 28	60 56	403	
1,2	Cumberland-Fylla Bank	63 23	60 25	530a	
1,2	Cumberland-Fylla Bank	63 19	60 01	1000a	
1,2	Cumberland-Fylla Bank	63 14	59 26	1041	
1,2	Cumberland-Fylla Bank	63 12	59 10	975	
1,2	Cumberland-Fylla Bank	63 57	52 22	108	
1,2	Cumberland-Fylla Bank	63 58	52 44	49	
1,2	Cumberland-Fylla Bank	63 55	53 07	138	
1,2	Cumberland-Fylla Bank	63 53	53 22	605	
1,2	Cumberland-Fylla Bank	63 48	53 56	1156	
1,2	Cumberland-Fylla Bank	63 45	54 30	1135	

List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
1,2	Cumberland-Fylla Bank	63 37	55 30	1270	
1,2	Cumberland-Fylla Bank	63 31	56 25	1452	
1,2	Cumberland-Fylla Bank	63 25	57 20	1715	
1,2	Cumberland-Fylla Bank	63 19	58 15	1390	
1,2	Cumberland-Fylla Bank	63 12	59 10	975	
1,2	Ryans Bay-Frederikshab	59 38	63 34	100a	
1,2	Ryans Bay-Frederikshab	59 43	63 04	147	
1,2	Ryans Bay-Frederikshab	59 47	62 34	150	
1,2	Ryans Bay-Frederikshab	59 53	62 05	174	
1,2	Ryans Bay-Frederikshab	59 59	61 34	240	
1,2	Ryans Bay-Frederikshab	60 05	61 03	300	
1,2	Ryans Bay-Frederikshab	60 10	60 34	1502	
1,2	Ryans Bay-Frederikshab	60 15	60 04	1922	
1,2	Ryans Bay-Frederikshab	60 30	58 45	2338	
1,2	Ryans Bay-Frederikshab	60 42	57 24	2926	
1,2	Ryans Bay-Frederikshab	60 57	56 03	3078	
1,2	Ryans Bay-Frederikshab	61 10	54 44	2907	
1,2	Ryans Bay-Frederikshab	61 26	53 25	3087	
1,2	Ryans Bay-Frederikshab	61 32	52 30	3016	
1,2	Ryans Bay-Frederikshab	61 39	51 45	2890	
1,2	Ryans Bay-Frederikshab	61 45	51 09	2605	
1,2	Ryans Bay-Frederikshab	61 52	50 35	523	
1,2	Ryans Bay-Frederikshab	61 57	50 00	206	
1,2	Beachy Island-Cape Desolation	57 07	61 06	118	
1,2	Beachy Island-Cape Desolation	57 16	60 41	183	
1,2	Beachy Island-Cape Desolation	57 23	60 15	176	
1,2	Beachy Island-Cape Desolation	57 31	59 49	178	
1,2	Beachy Island-Cape Desolation	57 39	59 23	622	
1,2	Beachy Island-Cape Desolation	57 45	59 00	1532	
1,2	Beachy Island-Cape Desolation	57 53	58 35	2260	
1,2	Beachy Island-Cape Desolation	58 03	58 09	2561	
1,2	Beachy Island-Cape Desolation	58 26	56 46	3016	
1,2	Beachy Island-Cape Desolation	58 49	55 30	3229	
1,2	Beachy Island-Cape Desolation	59 10	54 20	3286	
1,2	Beachy Island-Cape Desolation	59 35	52 52	3430	
1,2	Beachy Island-Cape Desolation	60 02	51 27	3340	
1,2	Beachy Island-Cape Desolation	60 15	50 44	3146	
1,2	Beachy Island-Cape Desolation	60 28	50 00	2934	
1,2	Beachy Island-Cape Desolation	60 43	49 11	652	
1,2	Beachy Island-Cape Desolation	60 50	48 45	140	
1,2	Seal Island-Cape Farewell	53 14	55 39	43	
1,2	Seal Island-Cape Farewell	53 20	55 30	124	
1,2	Seal Island-Cape Farewell	53 37	55 00	300	
1,2	Seal Island-Cape Farewell	53 55	54 30	185	
1,2	Seal Island-Cape Farewell	54 12	54 00	215	
1,2	Seal Island-Cape Farewell	54 30	53 30	340	
1,2	Seal Island-Cape Farewell	54 38	53 15	610	
1,2	Seal Island-Cape Farewell	54 47	53 00	1306	
1,2	Seal Island-Cape Farewell	55 04	52 30	2686	

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List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
1,2	Seal Island-Cape Farewell	55 35	51 40	3408	
1,2	Seal Island-Cape Farewell	56 10	50 40	3702	
1,2	Seal Island-Cape Farewell	56 34	49 54	3670	
1,2	Seal Island-Cape Farewell	57 03	49 02	3712	
1,2	Seal Island-Cape Farewell	57 30	48 10	3310	
1,2	Seal Island-Cape Farewell	58 00	47 16	3409	
1,2	Seal Island-Cape Farewell	58 23	46 34	2688	
1,2	Seal Island-Cape Farewell	58 46	45 50	2535	
1,2	Seal Island-Cape Farewell	59 00	45 20	2118	
1,2	Seal Island-Cape Farewell	59 16	44 46	1829	
1,2	Seal Island-Cape Farewell	59 27	44 30	165	
1,2	Seal Island-Cape Farewell	59 38	44 09	143	
3	White Bay	50 40	55 00	153	163 - 169
3	White Bay	50 48	54 30	217	220 - 222
3	White Bay	50 56	54 00	224	225 - 232
3	White Bay	51 05	53 30	240	280 - 285
3	White Bay	51 13	53 00	386	409 - 421
3	White Bay	51 22	52 29	439	434 - 445
3	White Bay	51 30	52 00	418	423 - 426
3	White Bay	51 38	51 30	407	426 - 433
3	White Bay	51 47	50 59	286	312 - 315
3	White Bay	51 52	50 42	1370	382 - 386
3	White Bay	51 53	50 36	1848	772 - 870
3	White Bay	51 55	50 28	2046	1380-1391
3	White Bay	51 59	50 15	2353	2000-2200
3	White Bay	52 07	49 45	2932	# -2800
3	Bonavista	48 44	52 58	68	92 - 100
3	Bonavista	48 48	52 45	72	176 - 180
3	Bonavista	48 50	52 39	79	248 - 254
3	Bonavista	48 55	52 24	342	350 - 355
3	Bonavista	49 01	52 04	294	289 - 294
3	Bonavista	49 06	51 49	307	294 - 295
3	Bonavista	49 11	51 32	284	318 - 319
3	Bonavista	49 22	51 01	314	336 - 343
3	Bonavista	49 31	50 32	331	331 - 337
3	Bonavista	49 41	50 01	570	605 - 625
3	Bonavista	49 51	49 30	1618	1300-1378
3	Bonavista	50 00	49 00	2047	1700-1857
3	Triangle NW (Bonavista)	48 44	52 58	68	
3	Triangle NW (Bonavista)	48 48	52 45	72	
3	Triangle NW (Bonavista)	48 50	52 39	79	
3	Triangle NW (Bonavista)	48 55	52 24	342	
3	Triangle NW (Bonavista)	49 01	52 04	294	
3	Triangle NW (Bonavista)	49 06	51 49	307	
3	Triangle NW (Bonavista)	49 11	51 32	284	
3	Triangle NW (Bonavista)	49 22	51 01	314	
3	Triangle NW (Bonavista)	49 31	50 32	331	
3	Triangle NW (Bonavista)	49 41	50 01	570	
3	Triangle NW (Bonavista)	49 51	49 30	1618	

List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
3	Triangle NW (Bonavista)	50 00	49 00	2047	
3	Triangle SW	48 44	52 58	68	92 - 100
3	Triangle SW	48 38	52 44	100	125 - 127
3	Triangle SW	48 32	52 335	225	232 - 236
3	Triangle SW	48 30	52 293	218	215 - 216
3	Triangle SW	48 20	52 06	215	186 - 187
3	Triangle SW	48 13	51 50	192	190 - 192
3	Triangle SW	48 06	51 34	186	200 - 206
3	Triangle SW	47 568	51 14	200	156 - 158
3	Triangle SW	47 464	50 505	126	108 - 115
3	Triangle SW	47 34	50 23	241	114 - 117
3	Triangle SW	47 24	50 00	100	95 - 97
3	Triangle SE	47 24	50 00	100	95 - 97
3	Triangle SE	47 41	49 52	113	97 - 102
3	Triangle SE	47 582	49 45	158	171 - 172
3	Triangle SE	48 14	49 41	240	224 - 225
3	Triangle SE	48 26	49 36	287	298 - 299
3	Triangle SE	48 379	49 323	812	998 -1005
3	Triangle SE	48 56	49 25	1408	1400-1548
3	Triangle SE	49 131	49 178	1562	-1600
3	Triangle SE	49 38	49 095	1810	-1698
3	Triangle SE	50 00	49 00	2047	1700-1857
3	Flemish Cap	47 00	52 02	120	136 - 139
3	Flemish Cap	47 00	51 00	102	100 - 105
3	Flemish Cap	47 00	50 40	175	176 - 178
3	Flemish Cap	47 00	50 00	81	80 - 84
3	Flemish Cap	47 00	49 07	80	78 - 80
3	Flemish Cap	47 00	48 37	103	101 - 104
3	Flemish Cap	47 00	48 07	126	131 - 134
3	Flemish Cap	47 00	47 30	220	215 - 217
3	Flemish Cap	47 00	47 15	603	492 - 550
3	Flemish Cap	47 00	47 01	1018	1150-1199
3	Flemish Cap	47 00	46 50	1024	1170-1196
3	Flemish Cap	47 00	46 402	1000	885 - 992
3	Flemish Cap	47 00	46 29	807	349 - 375
3	Flemish Cap	47 00	46 01	308	304 - 308
3	Flemish Cap	47 00	45 30	245	251 - 255
3	Flemish Cap	47 00	44 593	152	149 - 152
3	Flemish Cap	47 00	44 26	158	- 151
3	Flemish Cap	47 00	44 05	327	- 332
3	Flemish Cap	47 00	43 45	674	- 670
3	Flemish Cap	47 00	43 24	1284	-1170
3	Flemish Cap	47 00	43 15	3000	
3	Flemish Cap	47 00	42 45	2100a	
3	Flemish Cap	47 00	42 30	2220a	
3	Flemish Cap	47 00	42 00	2450	
3	Coast Guard-3	43 38	43 44	4755a	
3	Coast Guard-3	43 45	44 26	4688	

List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
3	Coast Guard-3	43 53	45 08	2460	
3	Coast Guard-3	44 00	45 50	4343	
3	Coast Guard-3	44 07	46 32	3749	
3	Coast Guard-3	44 15	47 12	3840	
3	Coast Guard-3	44 19	47 33	3836	
3	Coast Guard-3	44 23	47 54	3475	
3	Coast Guard-3	44 25	48 07	3292	
3	Coast Guard-3	44 27	48 21	3291	
3	Coast Guard-3	44 30	48 36	2923	
3	Coast Guard-3	44 33	48 50	732	
3	Coast Guard-3	44 36	49 05	146	
3	Coast Guard-3	44 40	49 20	58	
3	Coast Guard-4	37 20	50 20	5121	
3	Coast Guard-4	37 50	50 20	5218	
3	Coast Guard-4	38 20	50 20	5212	
3	Coast Guard-4	38 50	50 20	5176	
3	Coast Guard-4	39 20	50 20	5194	
3	Coast Guard-4	39 50	50 20	5176	
3	Coast Guard-4	40 20	50 20	4846	
3	Coast Guard-4	40 50	50 20	3726	
3	Coast Guard-4	41 20	50 20	3718	
3	Coast Guard-4	41 50	50 20	3731	
3	Coast Guard-4	42 10	50 20	3347	
3	Coast Guard-4	42 30	50 20	2578	
3	Coast Guard-4	42 40	50 20	2122	
3	Coast Guard-4	42 50	50 20	887	
3	Coast Guard-4	43 00	50 20	91	
3	Coast Guard-4	43 10	50 20		
3	SW Grand Banks	46 02	51 10	77	
3	SW Grand Banks	45 46	51 44	78	
3	SW Grand Banks	45 37	51 58	75	
3	SW Grand Banks	45 28	52 09	77	
3	SW Grand Banks	45 20	52 22	97	
3	SW Grand Banks	45 07.5	52 39	89	
3	SW Grand Banks	45 01	52 48.5	84	
3	SW Grand Banks	44 51	53 05	88	
3	SW Grand Banks	44 38	53 24	104	
3	SW Grand Banks	44 38	53 30	150	
3	SW Grand Banks	44 28	53 37	183	
3	SW Grand Banks	44 24	53 43	1247	
3	SW Grand Banks	44 20	53 50	1829	
3	SW Grand Banks	44 16	53 56	2205	
3	SW Grand Banks	44 09	54 05	2417	
3	SW Grand Banks	44 02	54 15	2670	
3	SW Grand Banks	43 43.2	54 26.2	3017	
3	SW Grand Banks	43 24.9	54 37.8	3846	
3	SW Grand Banks	43 09	54 47	4080	
3	SW Grand Banks	42 52	55 00	3690	
3	SW Grand Banks	42 33	55 15	4502	

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List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
3,4	Laurentian	46 35	56 233	106	
3,4	Laurentian	46 315	56 295	51	
3,4	Laurentian	46 204	56 48	48	
3,4	Laurentian	46 12	57 02	53	
3,4	Laurentian	46 08	57 09	201	
3,4	Laurentian	46 04	57 15	351	
3,4	Laurentian	45 558	57 295	452	
3,4	Laurentian	45 47	57 435	459	
3,4	Laurentian	45 428	57 515	420	
3,4	Laurentian	45 38	57 59	234	
3,4	Laurentian	45 29	58 135	199	
3,4	Laurentian	45 20	58 285	71	
3,4	Laurentian	45 11	58 42	102	
3,4	Laurentian	44 59	59 015	144	
4	Banquereau	45 495	59 51	73	
4	Banquereau	45 43	59 45	146	
4	Banquereau	45 29	59 31	185	
4	Banquereau	45 12	59 14	95	
4	Banquereau	44 59	59 015	144	
4	Banquereau	44 49	58 51	261	
4	Banquereau	44 28	58 30	64	
4	Banquereau	44 117	58 14	183	
4	Banquereau	44 08	58 10	899	
4	Banquereau	43 47	57 50	2633	
4	Banquereau	43 24	57 26	3529	
4	Halifax	42 32	61 24	2042	
4	Halifax	42 51	61 44	1009	
4	Halifax	43 103	62 06	101	
4	Halifax	43 20	62 17	90	
4	Halifax	43 29	62 265	81	
4	Halifax	43 409	62 398	132	
4	Halifax	43 498	62 489	225	
4	Halifax	43 53	62 53	254	
4	Halifax	43 588	62 595	227	
4	Halifax	44 075	63 095	141	
4	Halifax	44 163	63 192	143	
4	Halifax	44 24b	63 278	88	
4	La Have-Baccaro	43 23	65 12	91	
4	La Have-Baccaro	43 155	65 06	146	
4	La Have-Baccaro	43 06	64 59	110	
4	La Have-Baccaro	42 565	64 51	82	
4	La Have-Baccaro	42 47	64 44	100	
4	La Have-Baccaro	42 375	64 36	128	
4	La Have-Baccaro	42 285	64 29	1097	
4	La Have-Baccaro	42 19	64 22	1829	
4	La Have-Baccaro	42 10	64 14	1975	
4	La Have-Baccaro	42 00	64 07	2377	
4,5	Cape Sable, NE Channel, CG A-5	43 115	65 391	64	
4,5	Cape Sable, NE Channel, CG A-5	43 028	65 403	91	

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List of Standard Oceanographic Sections and Stations
a: approximate depth, *: position changed

SA	Section Name	Lat.N	Lon.W	Depth (m)	Range (m)
4,5	Cape Sable, NE Channel, CG A-5	42 55	65 414	137	
4,5	Cape Sable, NE Channel, CG A-5	42 47	65 425	110	
4,5	Cape Sable, NE Channel, CG A-5	42 37	65 437	88	
4,5	Cape Sable, NE Channel, CG A-5	42 27	65 451	91	
4,5	Cape Sable, NE Channel, CG A-5	42 211	65 509	196	
4,5	Cape Sable, NE Channel, CG A-5	42 5171	65 547	229	
4,5	Cape Sable, NE Channel, CG A-5	42 123	65 595	223	
4,5	Cape Sable, NE Channel, CG A-5	42 085	66 028	214	
4,5	Cape Sable, NE Channel, CG A-5	42 023	66 09	95	
4,5	Cape Sable, NE Channel, CG A-5	41 537	66 142	80	
4,5	Cape Sable, NE Channel, CG A-5	41 45	66 194	80	
4,5	Cape Sable, NE Channel, CG A-5	41 36	66 25	86	
4,5	Cape Sable, NE Channel, CG A-5	41 20	66 045	366	
4,5	Cape Sable, NE Channel, CG A-5	41 105	63 535	2377	
4,5	Cape Sable, NE Channel, CG A-5	40 50	65 27	3658	
4,5	67 West	44 00	67 00	165	
4,5	67 West	43 30	67 00	208	
4,5	67 West	43 00	67 00	165	
4,5	67 West	42 30	67 00	320	
4,5	67 West	42 00	67 00	57	
4,5	67 West	41 30	67 00	62	
4,5	67 West	41 00	67 00	73	
4,5	67 West	40 45	67 00	110	
4,5	67 West	40 30	67 00	914	
4,5	67 West	40 15	67 00	1829	
4,5	67 West	40 00	67 00	2377	
5	69 West	43 30	69 00	128	
5	69 West	43 00	69 00	91	
5	69 West	42 30	69 00	219	
5	69 West	42 00	69 00	146	
5	69 West	41 30	69 00	146	
5	69 West	41 00	69 00	77	
5	69 West	40 30	69 00	69	
5	69 West	40 15	69 00	91	
5	69 West	40 00	69 00	183	
5	69 West	39 45	69 00	1829	
5	69 West	39 30	69 00	2936	
5	71 West	41 00	71 00	46	
5	71 West	40 30	71 00	77	
5	71 West	40 00	71 00	366	
5	71 West	39 30	71 00	2195	