

RESOURCE SURVEY REPORT
Preliminary Catch Summary
National Marine Fisheries Service
Northeast Fisheries Science Center
Sea Scallop Survey
Cape Hatteras - Georges Bank
July 1 - September 5, 2003

Submitted to: NOAA, NEFSC

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Date: 2003

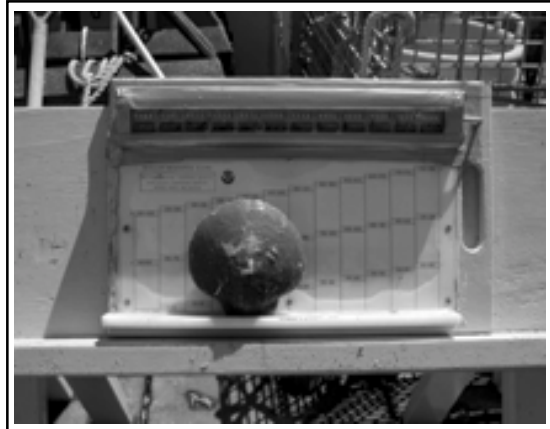
Resource Survey Report

Sea Scallop Survey



Cape Hatteras - Georges Bank
July 1 - September 5, 2003
FRV ALBATROSS IV

National Marine Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543



Scallop Catch and Processing aboard the *FRV Albatross IV*

RESOURCE SURVEY REPORT

Preliminary Catch Summary

National Marine Fisheries Service
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Sea Scallop Survey

Cape Hatteras - Georges Bank
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The following field notes, charts, and station data indicate the distribution of sea scallops during the 2003 summer sea scallop survey conducted aboard the *FRV ALBATROSS IV*. Fifteen-minute tows were made at a speed of 3.8 knots using a standard 8-foot New Bedford type scallop dredge. The dredge was equipped with a 2-inch ring chain bag and lined with 1-1/2 inch mesh webbing to retain small scallops. For statistical purposes, stations were randomly selected and therefore were not always on or near scallop concentrations.

In this report, scallop catch is reported in numbers and by-catch is recorded in bushels, depth in fathoms and bottom temperature in degrees Fahrenheit. Bottom temperature is included at selected stations because it is an environmental factor which influences sea scallop growth rates and spawning time. Catches are reported in three categories of shell height: less than or equal to 90mm (greater than 40 count), greater than 90mm (less than 40 count), and greater than or equal to 100mm (less than 30 count). The percent composition of by-catch is also given.

The data are now summarized from audited catch files generated from the Fisheries Scientific Computer System (FSCS).

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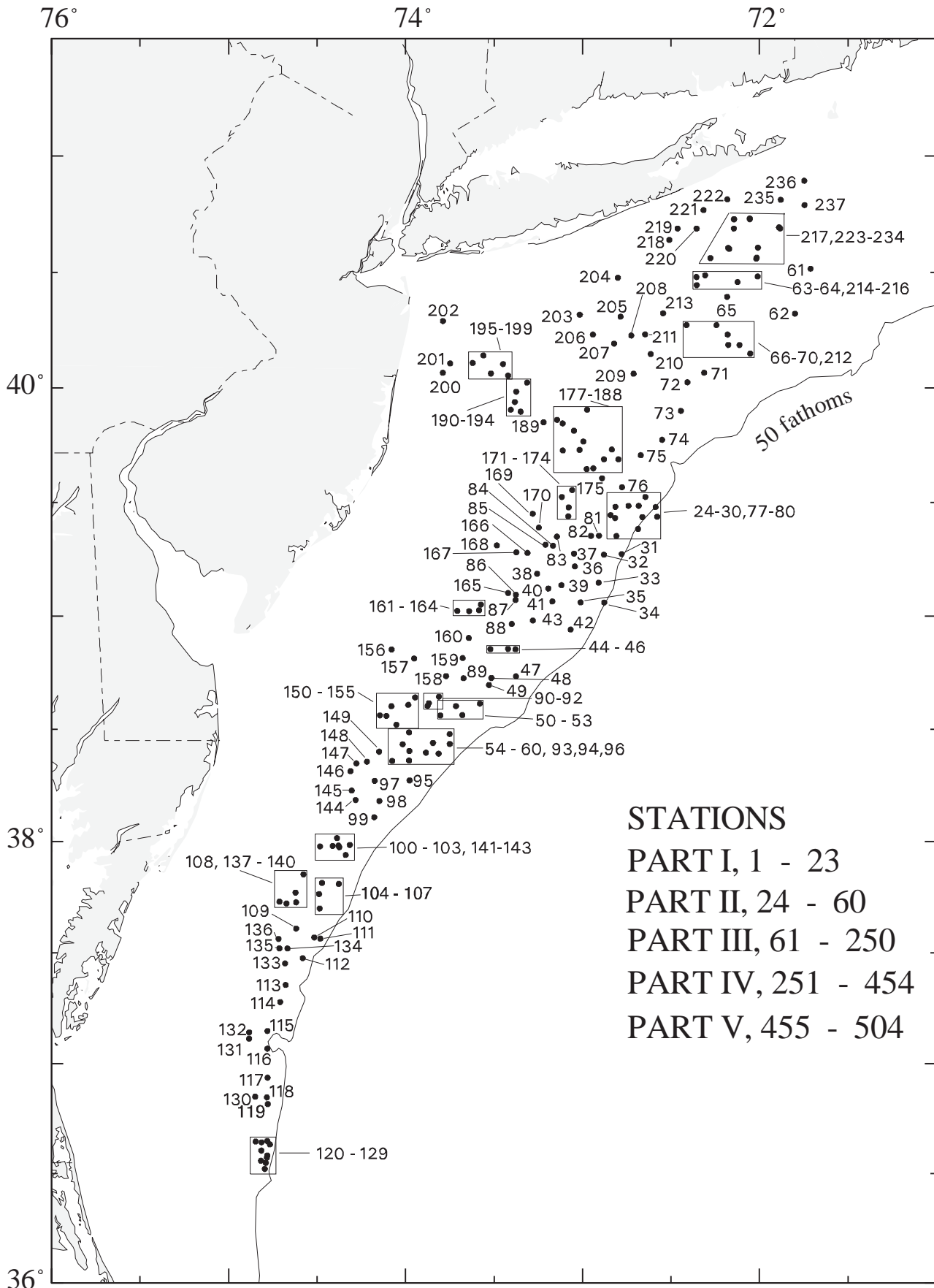


Figure 1. Dredge tows from the FRV ALBATROSS IV (03 - 01,02,03,04,05), during National Marine Fisheries, Service Northeast Fisheries Science Center sea scallop survey, July 1 - September 5, 2003.

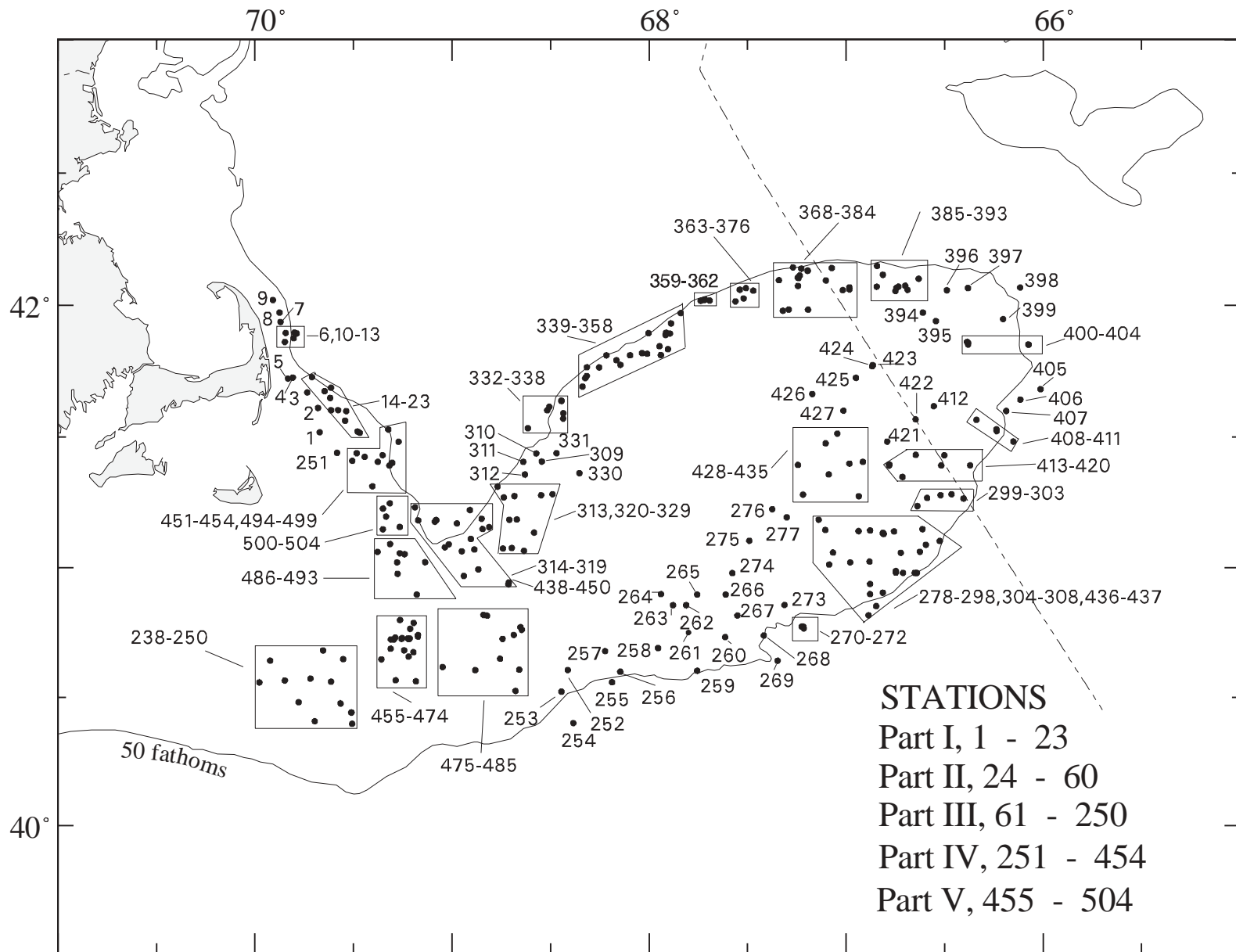


Figure 2. Dredge tows from FRV ALBATROSS IV (03 - 01,02,03,04,05), during National Marine Fisheries Service, Northeast Fisheries Science Center sea scallop survey, July 1 - September 5, 2003
 Map 2 of 2

Field Notes

In an effort to share some of the natural history observations made during the scallop survey, we have requested that the Chief Scientists on each part of the cruise comment on some of the more interesting catches that were brought aboard the *FRV ALBATROSS IV*.

Scallops

A very strong scallop recruitment was observed throughout most portions of the Mid-Atlantic, especially in the Delmarva area. Station 53 brought aboard over 43,000 scallops, all of which were under 90 mm (greater than 40 count). At the opposite end of the spectrum, station 377 had 100% of its 2600 scallops all over 100 mm (less than 30 count). High numbers of clappers (an indication of mortality) were observed in the southern portion of Closed Area II.

Haddock

Catches of young-of-year (less than 8 inch-long) haddock were observed from Delaware Bay out to Hudson Canyon, and up to and across Georges Bank. While incidental catches of young haddock occur occasionally in haddock nursery areas, the current survey made unprecedented catches across large portions of the survey area.

Goosefish

High numbers of juvenile (less than 10 inch-long) goosefish were observed in the Mid-Atlantic area.

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ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Station Data				Depth (FM)	Bottom Temp (F)	Number of Scallops				Trash By-Catch			
	Position		Loran TD's	heading			Total	<90mm	>90mm	>100mm	Shell	Stone	Inverts	Total
	Lat.	Long.					No.	>40ct	<40ct	<30ct	(Percentage)			Vol. (L)
0001	4131.1	6940.2	W13789.4	Y43869.2	15.9		16	14	2	1	5	75	20	437
0002	4136.6	6940.8	W13768.1	Y43903.1	25.7		2180	2038	142	99	25	60	15	460
0003	4140.2	6944.0	W13769.6	Y43928.9	31.2		56	5	51	48	25	65	10	1449
0004	4143.6	6948.4	W13778.8	Y43955.2	31.7		24	3	21	21	10	80	10	690
0005	4143.3	6949.9	W13788.6	Y43955.4	20.2		93	84	9	7	5	20	75	621
0006	4151.7	6950.9	W13755.2	Y44006.5	31.2		5	1	4	4	40	5	55	46
0007	4156.2	6952.2	W13741.3	Y44034.6	30.6		9	1	8	8	45	5	50	81
0008	4158.4	6952.5	W13732.4	Y44047.8	35.0		5	0	5	5	20	60	20	460
0009	4201.2	6954.5	W13730.4	Y44066.9	37.2		2	0	2	2	30	30	40	575
0010	4153.7	6950.6	W13744.0	Y44017.7	35.0		2	0	2	2	80	0	20	92
0011	4153.8	6948.0	W13728.7	Y44014.6	53.0									
0012	4153.6	6947.3	W13725.7	Y44012.4	60.1									
0013	4152.5	6948.2	W13736.1	Y44007.3	50.9		54	11	43	38	85	0	15	92
0014	4143.7	6942.6	W13745.7	Y43947.8	164	57.4	38	6	32	28	70	0	30	46
0015	4140.5	6938.7	W13738.7	Y43923.6	338	47.0	17	7	10	4	60	0	40	12
0016	4141.2	6936.8	W13725.0	Y43925.2	110	65.1	26	9	17	14	90	0	10	368
0017	4138.9	6937.1	W13737.2	Y43912.0	115	42.7	77	16	61	37	20	60	20	115
0018	4136.1	6936.8	W13748.3	Y43894.9	79	31.7	610	453	157	126	80	5	15	69
0019	4136.1	6934.6	W13736.2	Y43892.1	90	35.5	448	48	400	309	90	0	10	35
0020	4135.9	6932.2	W13723.9	Y43887.9	154	37.2	271	26	245	189	80	10	10	69
0021	4133.7	6932.5	W13735.5	Y43875.1	133	28.4	35	8	27	27	25	50	25	414
0022	4131.2	6928.7	W13726.1	Y43855.5	143	26.8								
0023	4130.9	6928.0	W13723.7	Y43852.8	176	27.9	215	56	159	147	20	70	10	598
0024	3931.4	7238.6	X26295.6	Y43116.2	209	42.1	225	35	190	71	50	50	0	138
0025	3929.1	7240.9	X26310.4	Y43095.4	91	41.6	58	8	50	17	15	0	85	138
0026	3928.7	7235.2	X26271.3	Y43090.5	156	51.9	0	0	0	0	0	0	100	12
0027	3926.2	7234.7	X26267.1	Y43067.3	268	58.0	0	0	0	0	2	0	98	36
0028	3926.1	7239.6	X26300.3	Y43067.2	255	48.7	0	0	0	0	2	0	98	92
0029	3923.0	7241.1	X26309.2	Y43038.6	201	52.5	0	0	0	0	2	1	97	81
0030	3921.1	7248.5	X26357.9	Y43021.5	153	41.6	74	9	65	49	2	53	45	253
0031	3916.4	7246.7	X26343.7	Y42977.0	262	48.7	0	0	0	0	1	0	99	115
0032	3916.2	7252.7	X26383.1	Y42975.3	192	42.1	1194	246	948	222	2	40	58	230
0033	3908.8	7254.5	X26390.8	Y42904.5	176	47.0	0	0	0	0	2	0	98	138
0034	3903.6	7252.6	X26376.1	Y42855.1	267	50.9	0	0	0	0	5	0	95	115
0035	3903.6	7300.6	X26426.9	Y42853.7	333	43.2	1	0	1	0	50	0	50	138
0036	3913.1	7302.5	X26445.5	Y42945.4	0	39.4	26	6	20	12	15	0	85	69
0037	3916.5	7302.8	X26450.0	Y42978.3	261	37.2	3036	940	2096	1420	5	0	95	115
0038	3911.2	7315.3	X26527.4	Y42926.0	113	32.3	894	532	362	284	5	90	5	414
0039	3908.2	7307.1	X26471.7	Y42897.4	231	37.7	1227	375	852	657	2	58	40	138
0040	3907.3	7311.6	X26500.0	Y42888.0	105	35.5	1709	518	1191	764	60	1	39	127

ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Position		Station Data			Bottom		Number of Scallops				Trash By-Catch			
	Lat.	Long.	Loran TD's	heading	Depth (FM)	Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone	Inverts	Total Vol. (L)	
0041	3903.9	7310.2	X26488.2	Y42854.9	118	38.3	7.24	20	7	13	9	30	0	70	1
0042	3856.4	7304.0	X26443.9	Y42783.1	289	43.2		18	10	8	0	15	70	15	230
0043	3858.8	7316.8	X26525.6	Y42803.1	212	35.5		760	106	654	589	2	68	30	184
0044	3851.2	7322.7	X26555.4	Y42725.5	270	35.5	6.50	2244	1548	696	423	10	80	10	115
0045	3851.3	7325.2	X26570.8	Y42725.6	262	35.5		3265	2885	380	190	50	0	50	92
0046	3851.2	7331.2	X26607.5	Y42722.2	138	31.7		1600	880	720	610	50	0	50	207
0047	3844.0	7322.5	X26547.9	Y42653.7	197	41.0	8.45	660	36	624	456	5	85	10	196
0048	3843.6	7330.8	X26597.3	Y42645.5	211	35.5		4640	4130	510	330	55	0	45	69
0049	3841.7	7331.6	X26600.2	Y42625.9	229	35.0		17029	15650	1379	407	20	65	15	138
0050	3836.8	7334.7	X26613.6	Y42574.4	267	38.8	8.49	342	256	86	66	2	40	58	253
0051	3836.1	7342.9	X26660.9	Y42562.1	139	31.2		21568	21472	96	32	50	0	50	24
0052	3833.7	7340.7	X26645.5	Y42538.9	274	33.9		35424	35064	360	144	20	10	70	18
0053	3833.6	7348.1	X26688.2	Y42532.9	150	31.2	6.02	43212	43212	0	0	15	10	75	39
0054	3828.7	7345.0	X26664.8	Y42484.6	168	36.1		1047	690	357	246	5	50	45	115
0055	3826.0	7344.9	X26661.3	Y42456.9	286	37.7		254	70	184	102	5	0	95	161
0056	3823.5	7348.7	X26680.1	Y42428.1	336	37.7	8.08	18	5	13	9	1	0	99	230
0057	3826.3	7350.7	X26694.5	Y42455.4	211	33.4		1852	1344	508	176	30	0	70	161
0058	3823.7	7353.0	X26704.5	Y42426.6	321	35.5		936	316	620	280	20	0	80	230
0059	3829.1	7358.7	X26743.4	Y42478.3	208	27.9	6.16	5840	5656	184	96	20	50	30	104
0060	3826.0	7400.9	X26751.8	Y42444.0	138	29.5		1734	1110	624	390	50	0	50	92
0061	4030.9	7142.6	X25888.9	Y43594.3	217	37.7		0	0	0	0	1	1	98	92
0062	4019.2	7147.9	X25930.6	Y43504.7	317	38.3		0	0	0	0	1	0	99	92
0063	4028.9	7200.6	X26034.4	Y43596.6	248	32.8	9.23	16	1	15	15	80	5	15	92
0064	4027.4	7207.4	X26088.8	Y43591.1	216	31.2		5250	5070	180	100	35	5	60	92
0065	4023.6	7210.9	X26114.5	Y43562.7	216	34.4		47	28	19	13	90	0	10	334
0066	4016.2	7214.5	X26138.5	Y43503.0	133	32.8	9.13	39	7	32	32	4	1	95	782
0067	4013.8	7210.8	X26108.4	Y43479.3	179	34.4		864	24	840	780	45	5	50	230
0068	4011.1	7210.5	X26105.0	Y43455.9	81	36.6		3	0	3	1	2	49	49	460
0069	4011.1	7206.7	X26075.7	Y43452.8	129	35.0	10.19	632	362	270	192	75	1	24	253
0070	4008.9	7203.1	X26047.6	Y43431.3	243	35.0		333	265	68	29	90	1	9	161
0071	4003.9	7218.7	X26164.9	Y43399.7	250	39.4		1	0	1	1	70	15	15	414
0072	4001.4	7224.4	X26206.8	Y43381.7	159	36.6	10.28	14	2	12	9	10	45	45	414
0073	3953.9	7226.6	X26219.7	Y43316.3	200	38.8		1694	259	1435	1078	5	70	25	299
0074	3946.4	7233.0	X26262.8	Y43251.9	223	34.4		1708	392	1316	721	70	5	25	35
0075	3942.3	7240.2	X26312.3	Y43217.5	207	36.6	10.06	143	24	119	89	35	5	60	219
0076	3933.9	7246.6	X26352.3	Y43141.6	161	37.7		3024	2492	532	217	75	5	20	58
0077	3929.1	7244.4	X26334.3	Y43096.1	262	38.8		1600	970	630	480	60	0	40	35
0078	3928.8	7248.8	X26364.3	Y43094.2	180	33.4	8.25	699	402	297	213	80	5	15	46
0079	3925.9	7248.9	X26363.3	Y43066.9	266	37.7		1730	805	925	780	9	1	90	94
0080	3926.6	7250.5	X26374.6	Y43073.8	209	38.3		516	69	447	405	4	1	95	115

ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Station Data					Number of Scallops				Trash By-Catch					
	Position		Loran TD's	heading	Bottom		Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
	Lat.	Long.			Depth (FM)	Temp (F)									
0081	3921.2	7254.4	X26397.5	Y43023.0	262	37.7	8.51	1728	318	1410	1272	1	1	98	113
0082	3921.2	7257.1	X26415.6	Y43023.2	279	39.9		320	77	243	216	1	4	95	127
0083	3921.0	7308.6	X26492.5	Y43022.2	166	33.9		244	127	117	101	5	15	80	184
0084	3918.6	7309.9	X26498.9	Y42998.8	272	33.9	7.45	332	93	239	202	5	75	20	253
0085	3918.8	7312.5	X26516.4	Y43000.8	201	33.4		253	14	239	220	1	1	98	391
0086	3905.6	7322.6	X26568.9	Y42869.4	174	31.2		606	466	140	112	5	10	85	541
0087	3904.2	7322.7	X26568.1	Y42855.4	178	31.7	6.84	792	520	272	186	15	5	80	460
0088	3857.9	7324.0	X26569.9	Y42792.1	183	32.8		1980	459	1521	1161	5	5	90	230
0089	3843.5	7340.3	X26654.0	Y42639.5	226	31.2		1264	1128	136	96	20	40	40	207
0090	3838.6	7348.6	X26697.2	Y42584.3	229	30.6	8.37	456	327	129	93	5	50	45	184
* 0091	3836.9	7352.0	X26715.0	Y42564.5	213	29.0		4932	4662	270	162	5	80	15	276
0092	3836.2	7352.5	X26717.0	Y42556.9	198	28.4		9471	9324	147	42	10	30	60	53
0093	3824.2	7358.7	X26737.1	Y42427.0	189	32.3	7.09	832	240	592	404	14	1	85	207
0094	3821.6	7358.7	X26733.9	Y42399.8	174	33.4		100	14	86	75	2	1	97	230
0095	3816.3	7358.6	X26726.8	Y42344.5	307	36.6		56	17	39	31	5	0	95	161
0096	3821.5	7404.5	X26766.0	Y42393.6	204	33.4	6.71	171	68	103	68	5	25	70	322
0097	3816.2	7410.4	X26791.3	Y42332.1	165	34.4		290	134	156	99	5	25	70	253
0098	3810.8	7408.8	X26775.4	Y42276.6	174	37.7		1792	952	840	357	15	20	65	115
0099	3806.5	7410.6	X26779.5	Y42229.3	209	37.2	9.59	2272	1056	1216	560	10	20	70	184
0100	3759.0	7418.8	X26812.8	Y42140.3	238	33.4		74	8	66	53	2	1	97	207
0101	3758.9	7422.7	X26832.9	Y42134.5	139	31.2		72	21	51	18	2	1	97	92
0102	3758.4	7422.4	X26830.6	Y42129.5	148	31.7		123	40	83	52	2	1	97	276
0103	3756.3	7420.3	X26816.9	Y42109.7	189	33.4	7.98	41	3	38	33	1	1	98	230
0104	3748.6	7422.6	X26818.5	Y42024.8	267	36.1		1216	512	704	420	40	1	59	272
0105	3748.8	7428.3	X26847.5	Y42019.2	177	32.8		2195	1020	1175	620	49	1	50	115
0106	3745.8	7429.3	X26848.4	Y41985.7	179	32.3	7.51	714	339	375	249	50	5	45	184
0107	3742.0	7429.1	X26842.3	Y41945.3	181	33.9		603	144	459	294	45	5	50	184
0108	3743.6	7437.1	X26884.0	Y41950.9	178	31.2		141	17	124	54	20	10	70	311
0109	3736.5	7437.0	X26873.5	Y41874.6	167	30.6	7.78	338	133	205	100	15	5	80	184
0110	3734.2	7430.9	X26840.9	Y41859.4	161	36.1		714	180	534	288	70	5	25	253
0111	3733.8	7428.8	X26830.2	Y41858.5	204	36.6		1883	466	1417	650	20	0	80	46
0112	3728.6	7434.8	X26852.4	Y41793.5	201	32.8	9.93	2037	1029	1008	581	30	50	20	138
0113	3721.3	7440.6	X26870.2	Y41705.8	198	32.3		1310	685	625	345	10	45	45	299
0114	3716.7	7442.4	X26872.6	Y41653.5	205	34.4		428	178	250	162	5	90	5	414
0115	3708.8	7446.8	X26882.5	Y41561.1	176	36.6	8.84	7	0	7	3	2	1	97	207
0116	3704.0	7446.8	X26876.4	Y41510.1	194	39.4		3	2	1	1	1	98	1	207
0117	3656.2	7446.7	X26866.4	Y41427.9	184	33.4		5	4	1	1	1	98	1	368
0118	3650.8	7447.0	X26861.3	Y41370.6	188	32.8	8.94	0	0	0	0	1	98	1	518
0119	3649.0	7446.6	X26857.4	Y41352.7	176	37.2		0	0	0	0	1	98	1	506
0120	3638.9	7446.8	X26846.9	Y41247.5	186	33.9		0	0	0	0	3	94	3	380

ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Position		Station Data			Depth (FM)	Bottom Temp (F)	Number of Scallops				Trash By-Catch			
	Lat.	Long.	Loran TD's	heading	Total No.			<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
0121	3638.0	7445.9	X26842.1	Y41240.4	193	43.7	10.98	0	0	0	0	5	5	90	322
0122	3634.9	7446.8	X26842.5	Y41206.4	187	42.7		0	0	0	0	5	5	90	207
0123	3632.9	7447.3	X26842.4	Y41184.7	209	42.1		0	0	0	0	4	1	95	69
0124	3634.4	7447.0	X26842.8	Y41200.8	174	42.7	11.13	0	0	0	0	1	1	98	184
0125	3631.3	7447.7	X26842.4	Y41167.4	202	42.1		0	0	0	0	1	1	98	161
0126	3633.5	7449.0	X26850.2	Y41186.7	357	26.2		1	1	0	0	95	1	4	58
0127	3636.3	7448.8	X26852.4	Y41216.0	15	29.0	9.54	15	15	0	0	1	98	1	230
0128	3638.5	7448.8	X26854.9	Y41238.7	266	30.1		18	18	0	0	1	98	1	230
0129	3638.7	7450.8	X26863.6	Y41236.0	349	27.3		4	4	0	0	70	15	15	69
0130	3651.0	7450.9	X26878.5	Y41364.2	3	26.8	9.12	48	48	0	0	1	98	1	460
0131	3706.8	7453.0	X26907.8	Y41527.7	358	26.2		102	33	69	17	50	0	50	69
0132	3708.5	7453.0	X26910.1	Y41545.9	57	25.7		182	84	98	23	60	10	30	207
0133	3727.1	7440.8	X26878.9	Y41767.5	28	30.1	7.26	1389	1071	318	129	80	10	10	92
0134	3731.2	7440.0	X26880.7	Y41812.9	243	32.3		1284	796	488	196	25	50	25	161
0135	3731.2	7442.7	X26893.6	Y41808.5	351	29.5		347	223	124	28	80	10	10	46
0136	3733.8	7443.0	X26898.7	Y41836.1	6	28.4	6.93	326	161	165	55	1	98	1	230
0137	3743.8	7442.7	X26911.9	Y41944.9	93	25.7		181	24	157	71	50	1	49	184
0138	3743.3	7440.3	X26899.3	Y41943.0	118	27.9		334	51	283	89	40	20	40	299
0139	3746.2	7437.2	X26888.3	Y41978.8	42	29.0	7.01	359	78	281	83	20	50	30	230
0140	3751.1	7434.6	X26882.5	Y42035.4	39	27.9		356	79	277	76	50	5	45	184
0141	3758.6	7428.9	X26864.5	Y42123.6	101	27.3		178	29	149	72	40	25	35	184
0142	3758.8	7424.7	X26843.1	Y42130.9	52	29.0	7.65	208	65	143	87	10	30	60	138
0143	3800.9	7423.2	X26838.3	Y42155.3	2	27.9		205	124	81	30	10	80	10	92
0144	3811.1	7416.9	X26819.4	Y42271.4	357	23.5		2312	1784	528	180	80	5	15	104
0145	3813.6	7418.2	X26830.0	Y42296.7	347	25.2	6.51	1276	944	332	76	15	80	5	173
0146	3818.8	7418.6	X26839.8	Y42352.0	99	26.2		688	500	188	56	80	5	15	92
0147	3820.9	7416.6	X26832.0	Y42376.4	88	27.9		410	208	202	122	80	1	19	92
0148	3821.3	7413.0	X26812.8	Y42383.9	59	30.1	6.49	3241	2660	581	373	1	98	1	207
0149	3824.0	7408.9	X26793.9	Y42416.2	22	29.5		1296	1059	237	108	1	98	1	150
0150	3831.2	7403.0	X26770.8	Y42497.1	290	29.5		20376	19768	608	72	59	1	40	20
0151	3833.5	7406.5	X26794.1	Y42518.8	251	29.0	6.39	524	290	234	112	2	1	97	115
0152	3833.7	7408.6	X26806.4	Y42519.4	53	26.8		598	410	188	92	80	1	19	138
0153	3836.1	7404.7	X26787.6	Y42547.6	94	30.1		296	114	182	75	24	1	75	161
0154	3836.4	7359.0	X26755.0	Y42554.6	43	26.2	6.34	4878	4728	150	72	40	1	59	127
0155	3838.4	7356.7	X26744.4	Y42577.1	330	25.2		1424	1358	66	46	20	30	50	184
* 0156	3851.2	7404.7	X26810.9	Y42707.5	160	24.1		54	5	49	45	40	0	60	46
* 0157	3848.7	7357.0	X26760.8	Y42684.8	129	24.6	6.35	39	16	23	22	50	0	50	138
0158	3844.1	7346.2	X26689.9	Y42642.5	50	27.9		966	747	219	192	1	50	49	437
0159	3848.9	7340.6	X26662.1	Y42694.7	16	30.6		406	114	292	154	2	1	97	276
0160	3854.2	7338.5	X26655.7	Y42749.8	63	24.6	6.10	256	130	126	113	1	49	50	851

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Station	Position		Station Data			Depth (FM)	Bottom Temp (F)	Number of Scallops				Trash By-Catch			
	Lat.	Long.	Loran TD's	heading	Total No.			<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone	Inverts	Total Vol. (L)	
* 0161	3901.4	7342.4	X26689.2	Y42822.3	115	22.4		217	168	49	40	1	39	60	874
0162	3901.3	7338.4	X26664.0	Y42822.4	101	27.3		253	116	137	105	1	1	98	472
0163	3901.5	7335.0	X26642.9	Y42825.4	10	28.4	6.27	798	696	102	60	20	50	30	460
0164	3903.0	7334.4	X26640.9	Y42840.8	188	27.3		1491	1320	171	114	10	60	30	644
0165	3906.1	7325.2	X26586.1	Y42874.0	16	29.5		231	184	47	40	1	9	90	644
0166	3916.7	7318.6	X26554.7	Y42980.2	213	30.1	6.81	263	83	180	167	5	5	90	782
0167	3916.8	7322.4	X26579.9	Y42981.1	16	27.3		98	15	83	77	1	19	80	644
* 0168	3918.7	7329.0	X26625.9	Y43000.1	56	28.4		121	50	71	33	1	1	98	460
* 0169	3927.0	7316.8	X26554.2	Y43081.8	154	19.1	7.18	31	17	14	12	2	43	55	955
0170	3923.3	7314.8	X26536.5	Y43045.2	133	29.0		37	8	29	27	2	1	97	667
0171	3926.3	7304.8	X26471.8	Y43073.2	348	36.1		167	53	114	105	2	1	97	368
0172	3928.6	7304.7	X26473.2	Y43095.4	328	36.1	6.78	111	17	94	89	5	5	90	322
0173	3931.4	7307.0	X26491.8	Y43122.9	333	24.1		81	63	18	6	0	20	80	495
0174	3933.2	7303.4	X26468.6	Y43139.4	65	35.0		137	26	111	78	80	5	15	161
0175	3936.3	7253.3	X26400.8	Y43166.1	20	33.4	8.36	649	409	240	140	40	1	59	115
* 0177	3941.2	7247.8	X26365.7	Y43210.3	300	37.2		7	1	6	5	2	1	97	138
0178	3943.8	7250.0	X26383.5	Y43235.5	263	39.9	10.00	7	3	4	4	1	34	65	207
0179	3941.3	7252.7	X26400.7	Y43213.1	216	36.1		796	192	604	336	58	40	2	184
0180	3938.9	7256.3	X26424.2	Y43191.7	260	33.9		464	118	346	222	10	10	80	299
0181	3938.7	7258.5	X26439.5	Y43190.6	317	33.9	9.06	96	30	66	49	1	85	14	230
0182	3943.7	7300.9	X26461.6	Y43239.1	327	28.4		137	73	64	51	4	1	95	230
0183	3945.9	7259.7	X26455.3	Y43259.5	283	37.2		275	97	178	111	5	90	5	138
0184	3954.2	7258.4	X26455.1	Y43337.3	203	29.0	8.41	303	258	45	40	90	1	9	46
0185	3948.8	7302.8	X26481.1	Y43288.5	123	36.6		5	3	2	2	95	0	5	92
0186	3943.6	7306.7	X26503.1	Y43240.5	352	25.7		49	20	29	15	4	1	95	173
0187	3950.6	7306.7	X26511.7	Y43307.6	317	31.7	7.05	117	43	74	53	24	1	75	46
0188	3951.6	7308.6	X26526.9	Y43318.2	244	29.0		258	109	149	101	55	30	15	69
0189	3950.9	7313.2	X26559.6	Y43313.8	11	26.8		541	381	160	111	10	88	2	667
0190	3953.7	7320.9	X26620.2	Y43345.0	349	25.7	8.03	900	726	174	144	13	85	2	449
0191	3954.2	7324.3	X26646.0	Y43351.8	28	24.1		212	117	95	76	2	1	97	391
0192	3956.2	7322.9	X26639.1	Y43370.6	309	26.8		279	208	71	64	19	80	1	253
0193	3958.9	7322.4	X26640.0	Y43396.6	86	34.4	7.80	0	0	0	0	1	1	98	207
0194	4001.3	7318.8	X26617.2	Y43417.6	282	26.2		594	458	136	94	1	0	99	230
0195	4003.1	7325.2	X26668.4	Y43439.4	303	29.0		4	2	2	2	0	10	90	322
0196	4006.1	7326.9	X26686.9	Y43469.8	269	23.0	8.22	244	148	96	59	20	0	80	69
0197	4003.6	7331.0	X26712.9	Y43448.2	300	31.2		0	0	0	0	1	0	99	138
0198	4008.4	7333.5	X26741.4	Y43497.2	328	19.7		69	62	7	5	1	4	95	357
0199	4006.4	7337.2	X26765.1	Y43480.2	297	24.6	8.95	4	0	4	4	1	9	90	161
0200	4003.9	7347.3	X26834.8	Y43462.2	3	15.3		100	78	22	13	1	4	95	874
0201	4006.3	7344.8	X26821.7	Y43484.6	352	17.0		197	127	70	49	1	4	95	690

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Station	Station Data					Number of Scallops				Trash By-Catch					
	Position		Loran TD's	heading	Depth (FM)	Bottom Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
	Lat.	Long.													
0202	4017.3	7347.3	X26866.8	Y43596.6	6	31.7	8.89	0	0	0	0	1	0	99	10
0203	4018.9	7300.9	X26508.7	Y43569.4	39	20.8		68	27	41	40	1	1	98	437
0204	4028.5	7248.0	X26420.7	Y43643.4	88	23.0		26	6	20	20	1	1	98	679
0205	4018.4	7247.1	X26398.6	Y43551.9	224	26.8	8.13	118	43	75	74	1	1	98	495
0206	4013.8	7256.4	X26465.4	Y43518.4	101	25.2		61	45	16	13	2	1	97	391
0207	4011.4	7249.2	X26405.9	Y43490.3	53	29.0		65	25	40	36	2	1	97	552
0208	4013.5	7243.4	X26363.2	Y43504.4	151	29.5	8.93	411	266	145	81	50	1	49	127
0209	4003.6	7242.6	X26346.4	Y43414.1	42	31.2		205	105	100	73	1	1	98	322
0210	4008.7	7236.8	X26306.8	Y43455.8	294	31.2		230	120	110	106	1	1	98	817
0211	4013.8	7238.7	X26326.7	Y43503.1	94	31.2	8.75	3480	3264	216	168	59	1	40	138
0212	4016.3	7224.7	X26219.0	Y43512.9	286	30.1		31	9	22	22	1	1	98	529
0213	4019.3	7232.6	X26284.4	Y43546.4	284	27.9		54	10	44	43	9	1	90	368
0214	4026.6	7221.2	X26200.2	Y43598.5	342	30.1	9.01	181	59	122	115	1	1	98	161
0215	4028.7	7221.3	X26203.1	Y43616.5	87	29.0		560	448	112	96	9	1	90	184
0216	4029.2	7218.4	X26180.0	Y43617.7	71	27.9		125	43	82	67	25	50	25	69
0217	4033.6	7216.6	X26169.7	Y43652.9	277	27.9	9.16	214	149	65	61	24	1	75	115
0218	4038.3	7230.5	X26291.4	Y43708.8	0	19.7		82	21	61	39	1	1	98	598
0219	4041.2	7227.7	X26272.3	Y43730.0	134	19.1		29	6	23	23	1	2	97	1139
0220	4041.2	7221.3	X26218.4	Y43722.1	6	21.9	9.17	52	24	28	26	1	1	98	529
0221	4046.0	7218.9	X26205.0	Y43759.0	57	19.7		59	22	37	35	1	1	98	1173
0222	4048.8	7210.9	X26140.7	Y43771.6	162	20.8		94	14	80	77	1	1	98	1242
0223	4043.6	7208.6	X26114.1	Y43726.3	183	24.6	9.23	64	7	57	48	1	14	85	966
C 0224	4043.6	7208.6	X26114.1	Y43726.3	181	24.6		42	3	39	28	1	4	95	414
0225	4041.2	7208.6	X26111.3	Y43706.7	195	25.2		229	109	120	73	10	0	90	414
0226	4036.2	7210.6	X26122.6	Y43667.8	107	27.3		198	125	73	57	5	0	95	633
C 0227	4036.0	7210.2	X26119.1	Y43665.7	119	26.8									
0228	4033.5	7201.0	X26040.7	Y43634.9	41	30.1	9.37	142	42	100	97	70	1	29	58
C 0229	4033.7	7200.9	X26040.0	Y43636.4	10	29.5									
0230	4036.3	7200.5	X26038.6	Y43657.2	36	28.4		20	5	15	14	1	1	98	322
0231	4043.6	7203.3	X26069.2	Y43719.8	76	25.2		218	118	100	76	1	1	98	460
C 0232	4043.8	7203.2	X26068.5	Y43721.3	73	25.2									
0233	4041.6	7153.3	X25982.6	Y43691.7	47	27.9	9.02	77	49	28	26	1	1	98	460
C 0234	4041.2	7152.9	X25978.9	Y43688.0	341	29.0									
0235	4048.7	7152.7	X25984.4	Y43747.4	42	21.9		121	90	31	30	1	1	98	414
0236	4053.6	7144.8	X25921.7	Y43775.5	188	29.0		21	12	9	5	29	1	70	92
0237	4047.3	7144.7	X25914.4	Y43726.4	167	30.6	9.76	87	67	20	14	19	1	80	58
0238	4033.4	6958.6	W14114.7	Y43515.8	344	32.8		0	0	0	0	4	1	95	12
0239	4038.4	6955.3	W14079.9	Y43547.0	81	29.5		3	2	1	0	30	30	40	58
0240	4033.8	6950.9	W14072.7	Y43512.1	77	34.4	10.28	8	8	0	0	50	0	50	12
* 0241	4034.3	6943.1	W14030.1	Y43509.1	203	34.4		825	10	815	815	14	1	85	69

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Station	Station Data					Number of Scallops				Trash By-Catch					
	Position		Loran TD's	heading	Bottom		Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
	Lat.	Long.			Depth (FM)	Temp (F)									
0242	4028.8	6946.7	W14068.0	Y43474.9	153	38.8		0	0	0	0	99	0	1	5
0243	4024.4	6941.8	W14057.7	Y43441.5	29	37.7	10.27	3	1	2	2	99	0	1	
0244	4023.8	6930.4	W14001.6	Y43429.4	36	36.6		26	8	18	18	98	0	2	656
0245	4026.4	6930.6	W13993.6	Y43446.9	236	35.0		372	0	372	364	98	0	2	552
C 0246	4026.4	6930.6	W13993.6	Y43446.9	275	35.0									
* 0247	4028.5	6933.9	W14003.0	Y43463.2	334	35.5	9.46	324	15	309	280	98	0	2	322
0248	4033.6	6936.8	W13999.9	Y43499.4	24	34.4		464	2	462	458	95	0	5	195
0249	4038.8	6933.1	W13962.1	Y43530.7	330	26.2	12.09	0	0	0	0	98	0	2	69
0250	4040.8	6939.2	W13986.5	Y43549.0	12	26.2		0	0	0	0	19	1	80	81
0251	4126.4	6935.0	W13781.6	Y43834.2	116	15.3	7.99	4	3	1	1	15	70	15	598
0252	4036.3	6824.7	W13635.9	Y43463.9	154	42.1		0	0	0	0	97	1	2	518
0253	4031.2	6826.6	W13664.6	Y43434.3	156	49.2		8	7	1	0	97	1	2	598
0254	4023.9	6823.0	W13675.8	Y43387.7	37	56.9	11.54	0	0	0	0	15	0	85	138
0255	4033.4	6811.2	W13585.4	Y43437.8	23	51.9		24	24	0	0	90	0	10	403
0256	4035.9	6808.7	W13564.2	Y43451.1	350	49.8		2	0	2	1	90	2	8	426
0257	4040.6	6813.3	W13566.3	Y43481.9	53	41.6	9.84	5	4	1	0	50	30	20	357
0258	4041.4	6757.2	W13490.5	Y43475.9	102	42.7		52	48	4	3	45	40	15	598
0259	4036.1	6745.3	W13459.9	Y43437.9	53	45.9		44	43	1	1	98	1	1	506
0260	4043.9	6736.8	W13391.3	Y43477.0	359	43.2	10.59	301	289	12	9	90	9	1	414
0261	4026.4	6930.6	W13993.6	Y43446.9	275	35.0		151	12	139	120	98	1	1	58
0262	4051.3	6748.7	W13411.9	Y43526.8	249	35.0		47	11	36	33	60	1	39	161
0263	4051.3	6752.7	W13429.5	Y43529.6	297	35.0	9.61	15	0	15	12	55	1	44	207
0264	4053.8	6756.3	W13434.9	Y43546.5	87	31.7		3	0	3	3	97	1	2	184
0265	4053.7	6745.3	W13386.8	Y43537.9	92	35.0		11	1	10	9	45	0	55	150
0266	4053.7	6736.6	W13349.1	Y43531.8	157	38.3	9.60	39	21	18	18	40	0	60	150
0267	4048.9	6733.1	W13354.6	Y43502.7	149	42.7		32	22	10	8	60	10	30	322
0268	4044.3	6725.0	W13339.8	Y43471.9	167	49.2		5	5	0	0	40	35	25	644
0269	4038.4	6720.8	W13346.8	Y43436.6	358	51.9	11.44	0	0	0	0	65	0	35	690
0270	4045.9	6712.8	W13282.7	Y43473.3	308	51.9									
0271	4046.3	6713.0	W13281.8	Y43475.6	300	51.9									
0272	4046.3	6713.5	W13283.9	Y43475.9	84	51.9		0	0	0	0	50	1	49	736
0273	4051.3	6718.7	W13284.0	Y43506.5	101	47.0		9	5	4	4	75	24	1	805
0274	4058.7	6734.6	W13319.0	Y43558.1	144	36.1	10.95	116	30	86	79	55	1	44	322
0275	4106.2	6729.4	W13263.8	Y43595.4	20	30.6		8	4	4	4	55	1	44	138
0276	4113.4	6722.4	W13201.8	Y43628.7	141	26.2		0	0	0	0	3	0	97	1334
0277	4111.5	6718.0	W13192.1	Y43615.2	89	29.5	11.92	17	13	4	3	30	0	70	920
0278	4111.0	6708.3	W13154.6	Y43605.2	284	32.8		218	165	53	51	45	0	55	828
0279	4108.6	6706.3	W13157.3	Y43591.0	279	35.5		470	365	105	103	40	0	60	161
0280	4103.4	6703.9	W13170.9	Y43561.8	305	36.6	9.14	344	11	333	327	10	70	20	334
0281	4100.7	6705.1	W13187.7	Y43548.3	304	37.7		222	95	127	123	35	0	65	115

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Station	Position		Station Data			Bottom		Number of Scallops				Trash By-Catch			
	Lat.	Long.	Loran TD's	heading	Depth (FM)	Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
0282	4101.2	6658.7	W13159.9	Y43546.6	340	38.3	97	0	97	85	85	0	15	115	
0283	4101.4	6652.8	W13135.7	Y43543.8	18	39.9	8.26	1540	61	1479	1303	95	0	5	58
0284	4056.2	6652.7	W13158.1	Y43516.3	67	45.4	204	176	28	22	95	0	5	230	
0285	4053.8	6652.6	W13168.2	Y43503.6	98	49.8	49	44	5	5	99	0	1	1288	
0286	4048.9	6653.1	W13191.2	Y43477.8	116	54.1	9.45	2	2	0	0	99	0	1	874
0287	4051.1	6650.8	W13172.8	Y43488.2	98	52.5	4	4	0	0	99	0	1	920	
0288	4054.2	6648.8	W13151.6	Y43503.4	166	50.3	51	42	9	4	97	2	1	1242	
0289	4059.2	6644.8	W13114.3	Y43527.1	184	41.0	7.77								
0290	4058.8	6644.8	W13116.1	Y43525.0	243	42.7	282	94	188	59	55	0	45	104	
0291	4058.7	6642.6	W13108.1	Y43523.1	265	44.8	111	42	69	20	55	5	40	138	
0292	4058.8	6639.1	W13094.3	Y43521.5	51	46.5									
0293	4058.8	6638.4	W13091.6	Y43521.0	340	46.5									
0294	4058.7	6638.6	W13092.8	Y43520.6	16	46.5									
0295	4103.4	6643.3	W13090.0	Y43548.0	355	41.0	7.78	1	1	0	0	75	5	20	127
0296	4103.6	6637.5	W13067.0	Y43545.3	28	45.4	436	25	411	330	75	5	20	173	
0297	4105.2	6635.7	W13053.1	Y43552.3	54	47.6	158	30	128	92	98	1	1	127	
0298	4106.1	6631.4	W13033.0	Y43554.1	65	49.8	7.81	71	70	1	0	98	1	1	46
0299	4115.9	6624.2	W12962.1	Y43598.9	65	51.4	384	373	11	4	98	1	1	69	
0300	4116.8	6627.8	W12971.2	Y43605.9	122	49.8	1475	23	1452	1227	98	1	1	92	
0301	4116.6	6631.2	W12984.7	Y43607.2	134	48.7	7.89	2485	26	2459	2036	98	1	1	46
0302	4116.0	6635.3	W13002.8	Y43607.1	116	45.9	227	16	211	166	98	1	1	138	
0303	4114.1	6638.2	W13022.4	Y43599.5	204	44.3	634	30	604	488	65	10	25	92	
0304	4108.8	6636.7	W13040.8	Y43571.4	254	48.1	7.76	772	42	730	490	65	5	30	92
0305	4108.3	6645.3	W13075.8	Y43574.7	302	39.9	2631	120	2511	2085	20	55	25	127	
* 0306	4107.7	6648.5	W13090.9	Y43573.8	321	39.4	2	2	0	0	65	25	10	115	
* 0307	4108.0	6648.7	W13090.3	Y43575.5	328	39.4	8.16	13	7	6	60	10	30	104	
* 0308	4107.8	6648.7	W13091.2	Y43574.4	330	39.4	958	46	912	800	50	35	15	92	
0309	4124.4	6832.6	W13468.8	Y43752.7	194	46.5	6.64	455	14	441	436	80	2	18	69
0310	4126.2	6834.3	W13468.8	Y43764.7	250	50.3	32	3	29	25	10	5	85	368	
0311	4124.3	6838.3	W13497.2	Y43758.0	214	51.9	31	3	28	27	8	2	90	115	
0312	4121.4	6837.8	W13507.9	Y43740.9	269	45.4	7.28	164	25	139	134	40	10	50	46
0313	4118.6	6846.1	W13561.5	Y43733.2	283	51.9	248	6	242	217	75	5	20	230	
0314	4113.2	6854.5	W13627.3	Y43709.9	352	54.1	5.35	375	3	372	369	19	1	80	115
0315	4111.2	6850.9	W13617.9	Y43694.5	198	48.7	172	10	162	159	19	1	80	368	
0316	4109.3	6848.7	W13615.2	Y43681.1	222	44.8	171	20	151	133	95	1	4	161	
0317	4108.9	6850.7	W13626.8	Y43680.6	217	45.9	6.10	13	1	12	11	12	3	85	1093
0318	4106.6	6854.2	W13654.1	Y43670.3	215	45.9	666	156	510	453	40	5	55	138	
0319	4104.1	6853.2	W13659.7	Y43654.3	150	38.3	144	22	122	119	20	55	25	196	
0320	4104.4	6844.4	W13615.0	Y43647.9	214	35.0	13.94	2400	270	2130	2070	45	15	40	242
0321	4104.5	6841.8	W13601.8	Y43646.1	252	35.5	338	155	183	169	40	0	60	115	

ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Position		Station Data			Depth (FM)	Bottom		Number of Scallops				Trash By-Catch			
	Lat.	Long.	Loran TD's	heading			Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
0402	4151.1	6622.8	W12788.7	Y43769.7	198											
0403	4151.1	6604.4	W12724.4	Y43754.4	292											
0404	4151.1	6604.4	W12724.4	Y43754.4	289						500	24	476	468	184	
0405	4140.9	6600.8	W12761.9	Y43703.6	345						412	12	400	365	46	
0406	4138.5	6606.9	W12794.4	Y43696.8	345		6.62				119	4	115	114	92	
0407	4135.9	6611.2	W12821.8	Y43687.6	15						95	11	84	81	81	
0408	4128.9	6609.0	W12847.3	Y43652.2	91						240	216	24	3	276	
0409	4131.7	6614.2	W12852.4	Y43669.6	120		7.26									
0410	4131.3	6614.1	W12853.9	Y43667.6	147						2758	276	2482	1296	92	
0411	4133.9	6620.2	W12863.3	Y43684.8	167						112	13	99	98	173	
0412	4137.0	6633.3	W12896.3	Y43710.3	225						10	0	10	9	150	
0413	4123.5	6622.2	W12919.7	Y43635.3	308		8.17				249	6	243	195	184	
0414	4125.8	6630.0	W12937.5	Y43652.4	310						175	80	95	78	115	
0415	4123.5	6631.0	W12952.0	Y43641.7	307						228	17	211	209	173	
0416	4125.9	6638.8	W12969.9	Y43659.5	1		9.17				116	25	91	76	127	
0417	4120.8	6642.8	W13009.0	Y43636.9	38						2629	0	2629	2613	92	
0418	4123.4	6646.8	W13012.2	Y43653.1	51											
0419	4123.7	6646.8	W13010.8	Y43654.6	59											
0420	4123.7	6646.9	W13011.2	Y43654.7	102						150	43	107	102	150	
0421	4128.9	6647.4	W12988.6	Y43681.3	142		10.56				58	21	37	37	127	
0422	4134.0	6638.8	W12931.4	Y43699.9	153						22	3	19	18	150	
0423	4146.4	6651.8	W12920.4	Y43772.3	222											
0424	4146.1	6652.0	W12922.7	Y43771.0	233						7	1	6	6	161	
0425	4143.5	6657.0	W12955.2	Y43762.6	278		14.48				1	0	1	1	184	
0426	4139.8	6710.3	W13026.7	Y43755.9	321						5	0	5	5	184	
0427	4136.0	6700.8	W13007.0	Y43728.3	350						0	0	0	0	92	
0428	4130.8	6702.6	W13039.3	Y43703.4	1		13.35				0	0	0	0	414	
0429	4128.5	6706.2	W13064.7	Y43694.7	45						0	0	0	0	138	
0430	4123.6	6714.6	W13122.2	Y43676.3	102						0	0	0	0	334	
0431	4116.8	6713.1	W13147.6	Y43639.4	118		13.16				0	0	0	0	1472	
0432	4121.4	6705.2	W13094.2	Y43657.2	154						1	0	1	1	460	
0433	4123.9	6658.9	W13057.2	Y43665.1	154						8	3	5	5	391	
0434	4124.3	6654.8	W13039.2	Y43663.9	180		10.11				49	17	32	31	184	
0435	4116.4	6656.1	W13081.0	Y43624.3	254						364	201	163	158	495	
0436	4108.5	6652.7	W13103.7	Y43580.8	322						2	2	0	0	322	
0437	4108.4	6656.1	W13117.5	Y43582.7	332		9.33				792	0	792	788	92	
0438	4056.6	6842.6	W13638.9	Y43599.7	190		15.31									
0439	4056.1	6842.8	W13642.0	Y43596.9	172						5	5	0	0	46	
0440	4059.6	6851.9	W13672.1	Y43626.0	191						303	57	246	221	334	
0441	4058.0	6856.3	W13700.6	Y43620.2	210						404	363	41	36	322	

ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Station Data					Number of Scallops				Trash By-Catch					
	Position		Loran TD's	heading	Bottom		Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol. (L)	
	Lat.	Long.			Depth (FM)	Temp (F)									
0442	4104.6	6902.1	W13702.3	Y43665.8	238	48.1	7.72	252	67	185	131	20	60	20	127
0443	4103.7	6857.0	W13680.4	Y43655.5	278	44.8		491	103	388	345	60	30	10	138
0444	4105.3	6900.9	W13693.3	Y43668.9	295	49.2		218	8	210	206	80	0	20	46
0445	4110.1	6858.5	W13660.8	Y43695.4	334	54.1	5.73	173	4	169	167	10	0	90	46
0446	4110.9	6904.8	W13689.4	Y43706.6	346	58.5									
0447	4110.5	6905.2	W13693.1	Y43704.6	7	57.4									
0448	4110.9	6904.8	W13689.4	Y43706.6	350	58.5									
0449	4110.9	6910.3	W13717.6	Y43712.2	14	48.7		7	0	7	6	45	0	55	46
0450	4113.8	6911.2	W13709.8	Y43730.8	129	49.2	5.66	21	2	19	16	65	0	35	46
0451	4124.1	6918.2	W13701.6	Y43800.5	181	58.0									
0452	4123.5	6919.0	W13708.5	Y43797.8	170	47.6		3	1	2	2	40	0	60	46
0453	4124.3	6922.6	W13724.1	Y43806.8	180	27.3		243	185	58	38	25	40	35	230
0454	4124.5	6930.3	W13764.4	Y43817.0	245	19.7	10.93	32	32	0	0	8	85	7	414
0455	4038.7	6921.5	W13903.0	Y43520.6	92	23.0	12.93	3	3	0	0	100	0	0	23
0456	4033.9	6917.1	W13898.5	Y43486.1	113	29.0		708	387	321	303	35	0	65	46
0457	4033.7	6911.0	W13868.7	Y43480.3	123	39.4		705	9	696	681	54	1	45	138
* 0458	4039.4	6913.2	W13858.4	Y43518.5	190	30.6	11.50	108	36	72	69	1	35	64	552
* 0459	4040.4	6911.7	W13847.1	Y43523.7	181	36.1		3323	294	3032	3017	50	0	50	57
* 0460	4040.8	6914.6	W13860.2	Y43528.5	242	32.3		2169	748	1421	1412	10	10	80	207
* 0461	4041.2	6918.6	W13878.9	Y43534.3	33	29.0	12.80	446	217	229	227	10	10	80	92
* 0462	4043.4	6918.6	W13870.6	Y43548.4	1	30.1		86	2	84	83	20	5	75	46
* 0463	4043.3	6917.7	W13866.4	Y43547.1	41	29.0									
* 0464	4043.8	6917.2	W13862.0	Y43549.8	29	27.9		309	27	282	281	25	5	70	46
0465	4043.7	6915.2	W13852.2	Y43547.5	27	33.9	12.82	271	6	265	265	15	5	80	92
* 0466	4043.5	6915.3	W13853.5	Y43546.3	40	33.4		2368	8	2360	2360	19	1	80	46
* 0467	4043.6	6913.4	W13843.5	Y43545.4	99	30.6		749	370	379	369	4	1	95	104
* 0468	4043.4	6913.1	W13842.8	Y43543.9	123	33.9	12.22	656	301	355	355	10	30	60	483
0469	4043.6	6912.8	W13840.5	Y43544.9	166	33.4		897	459	438	434	4	1	95	414
* 0470	4047.9	6915.8	W13839.1	Y43574.7	207	30.1		490	117	373	349	5	35	60	207
* 0471	4047.2	6911.7	W13821.0	Y43566.8	220	35.5	12.49	1710	338	1372	1210	4	1	95	81
* 0472	4045.8	6912.7	W13831.5	Y43558.8	209	34.4		1547	206	1341	1341	45	10	45	161
* 0473	4044.4	6910.3	W13824.8	Y43547.9	250	37.7									
* 0474	4044.0	6910.3	W13826.4	Y43545.4	247	37.2		1653	196	1457	1393	20	0	80	184
* 0475	4037.0	6902.8	W13815.7	Y43495.2	2	37.2	10.83	1558	20	1538	1526	15	5	80	69
0476	4036.2	6852.9	W13770.2	Y43482.9	116	35.0		358	303	55	50	60	0	40	138
0477	4031.4	6840.6	W13729.5	Y43444.5	19	38.3		1	1	0	0	80	0	20	299
0478	4036.3	6839.5	W13705.4	Y43474.0	300	32.8	11.45	39	31	8	8	80	0	20	115
0479	4038.9	6845.3	W13723.1	Y43494.1	109	33.9		76	67	9	9	97	1	2	242
0480	4043.5	6844.6	W13701.7	Y43521.9	112	36.6		65	60	5	5	55	0	45	69
0481	4044.4	6841.2	W13681.7	Y43524.8	141	33.4	13.98	37	29	8	8	50	0	50	253

ALBATROSS IV 2003 SEA SCALLOP SURVEY
July 1 - September 05

Station	Position		Station Data			Depth (FM)	Bottom		Number of Scallops				Trash By-Catch				
	Lat.	Long.	Loran TD's	heading	Temp (F)		Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone	Inverts	Total Vol. (L)			
														(Percentage)			
0482	4046.2	6839.1	W13664.5	Y43534.1	158	31.7											
0483	4045.6	6838.7	W13665.0	Y43530.2	148	31.2			16	16	0	0	3	0	97	196	
0484	4048.9	6849.3	W13703.0	Y43558.6	185	36.6			307	289	18	17	70	20	10	115	
0485	4049.0	6850.4	W13708.0	Y43560.2	200	35.5			572	530	42	42	50	10	40	23	
0486	4053.7	6910.7	W13790.4	Y43606.7	5	35.0			619	463	156	113	30	50	20	368	
0487	4101.2	6908.2	W13747.3	Y43650.8	242	38.8			512	311	201	125	3	94	3	725	
0488	4058.5	6916.6	W13801.3	Y43642.1	359	23.0	12.78		6	2	4	4	90	0	10	69	
0489	4101.2	6916.7	W13790.9	Y43659.1	27	29.5			51	31	20	14	50	40	10	161	
0490	4103.1	6914.4	W13771.3	Y43668.6	51	31.7			688	597	91	46	40	50	10	161	
0491	4103.3	6915.9	W13778.2	Y43671.3	258	30.1	11.70		784	592	192	158	25	70	5	483	
0492	4103.6	6922.6	W13811.8	Y43679.9	55	22.4			0	0	0	0	45	20	35	575	
0493	4105.4	6918.8	W13784.6	Y43687.2	156	27.9			750	602	148	116	10	80	10	483	
0494	4126.3	6929.0	W13749.5	Y43826.4	93	20.8	10.23		40	29	11	10	10	80	10	552	
0495	4125.4	6926.6	W13740.6	Y43818.1	356	21.9	8.19		18	10	8	6	1	98	1	460	
0496	4131.7	6919.3	W13673.4	Y43847.0	294	54.7			20	4	16	16	1	98	1	322	
0497	4128.9	6916.2	W13669.6	Y43826.7	163	57.4			17	1	16	16	5	90	5	92	
0498	4125.8	6921.1	W13709.5	Y43814.0	193	35.0	6.29		166	7	159	148	55	5	40	92	
0499	4118.7	6924.2	W13756.9	Y43774.7	225	22.4			4	1	3	2	15	5	80	161	
0500	4113.6	6921.0	W13761.8	Y43740.0	199	30.1			424	135	289	229	25	70	5	713	
0501	4114.8	6918.9	W13745.7	Y43745.1	201	32.8	6.41		0	0	0	0	1	98	1	690	
0502	4111.7	6920.1	W13765.1	Y43727.4	212	25.2			352	253	99	78	2	96	2	460	
0503	4108.8	6921.0	W13782.0	Y43710.5	130	25.7			40	21	19	16	1	98	1	322	
0504	4109.3	6915.9	W13753.3	Y43708.3	209	28.4	10.14		2	0	2	2	1	98	1	368	
Total									364242	250958	113287	87756					

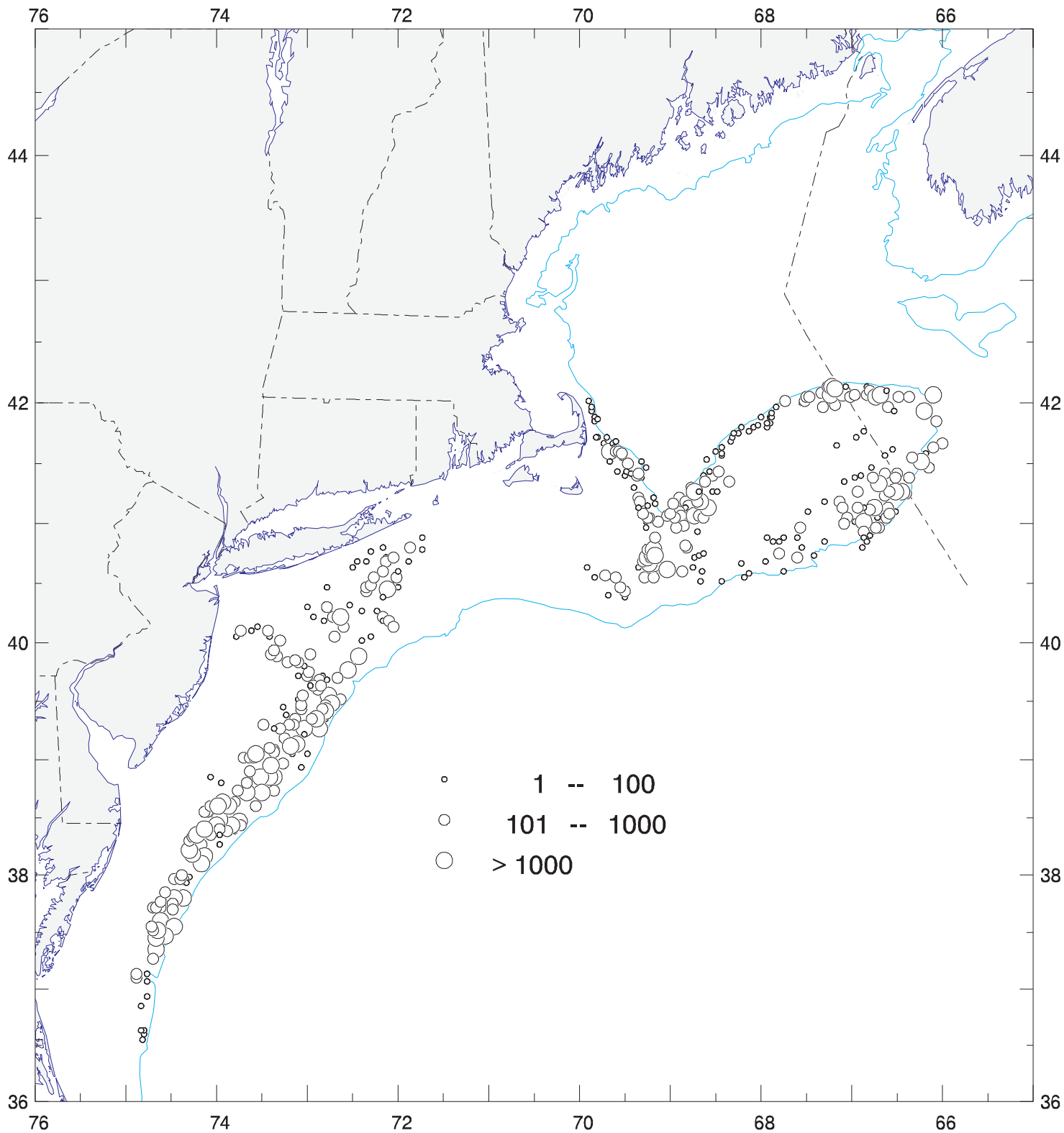
* Indicates non-random stations.

C Indicates special non-survey camera testing tows.

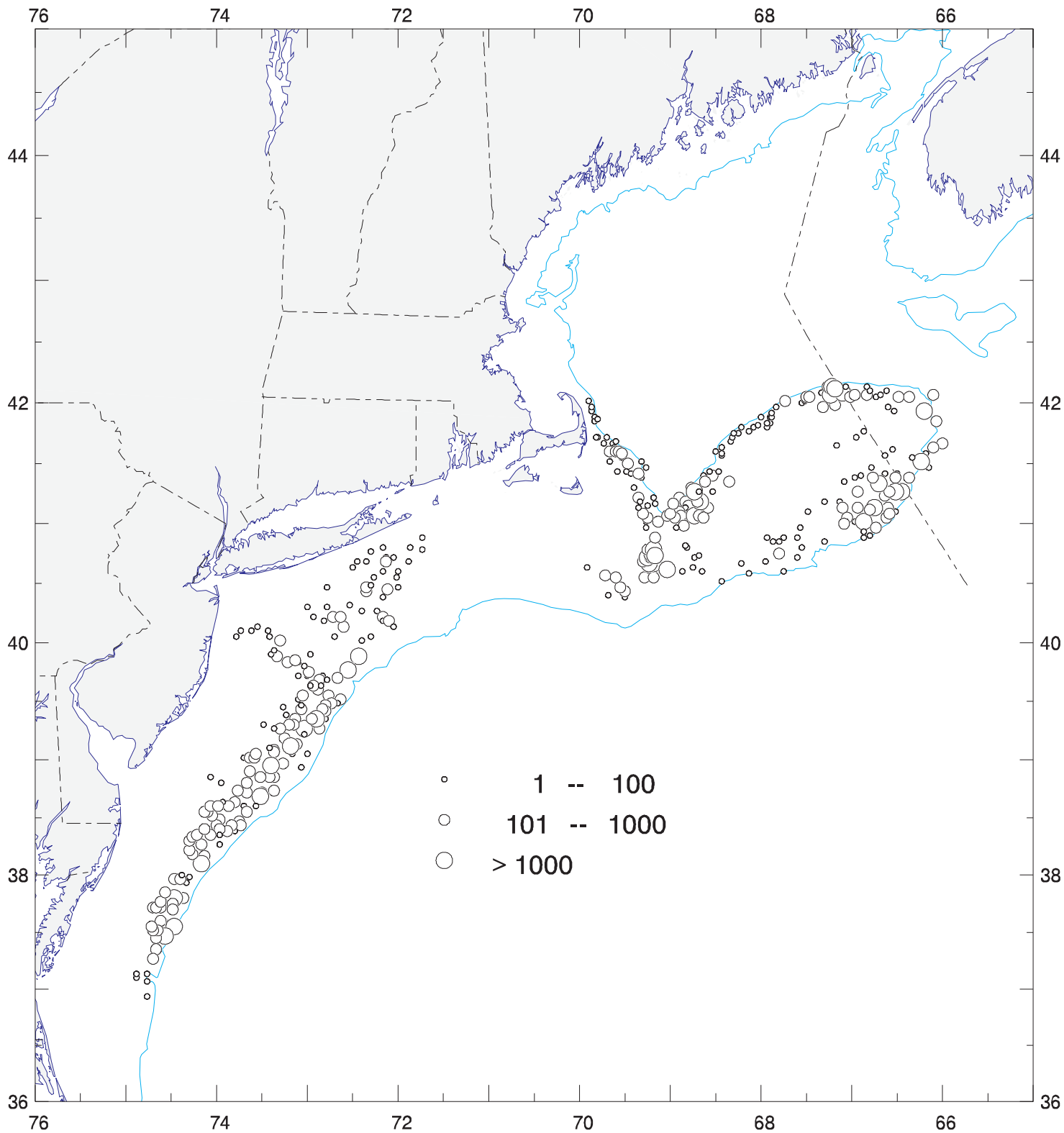
Stations with no scallop or trash data are stations where the dredge either flipped, hung-up, or the camera was tested.

Total volume of By-catch is in liters.

NEFSC SEA SCALLOP SURVEY - 2003
SEA SCALLOPS - Number/Tow
Total Number



NEFSC SEA SCALLOP SURVEY - 2003
SEA SCALLOPS - Number/Tow
Greater Than 90 mm



NEFSC SEA SCALLOP SURVEY - 2003
SEA SCALLOPS - Number/Tow
Less Than 90 mm

