

# Fishermen's Report

## Sea Scallop Survey

Cape Hatteras - Georges Bank  
July 17 - August 16, 2002

*FRV ALBATROSS IV*



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



**Scallop Catch and Processing aboard the *FRV Albatross IV***

FISHERMEN'S REPORT  
Preliminary Catch Summary

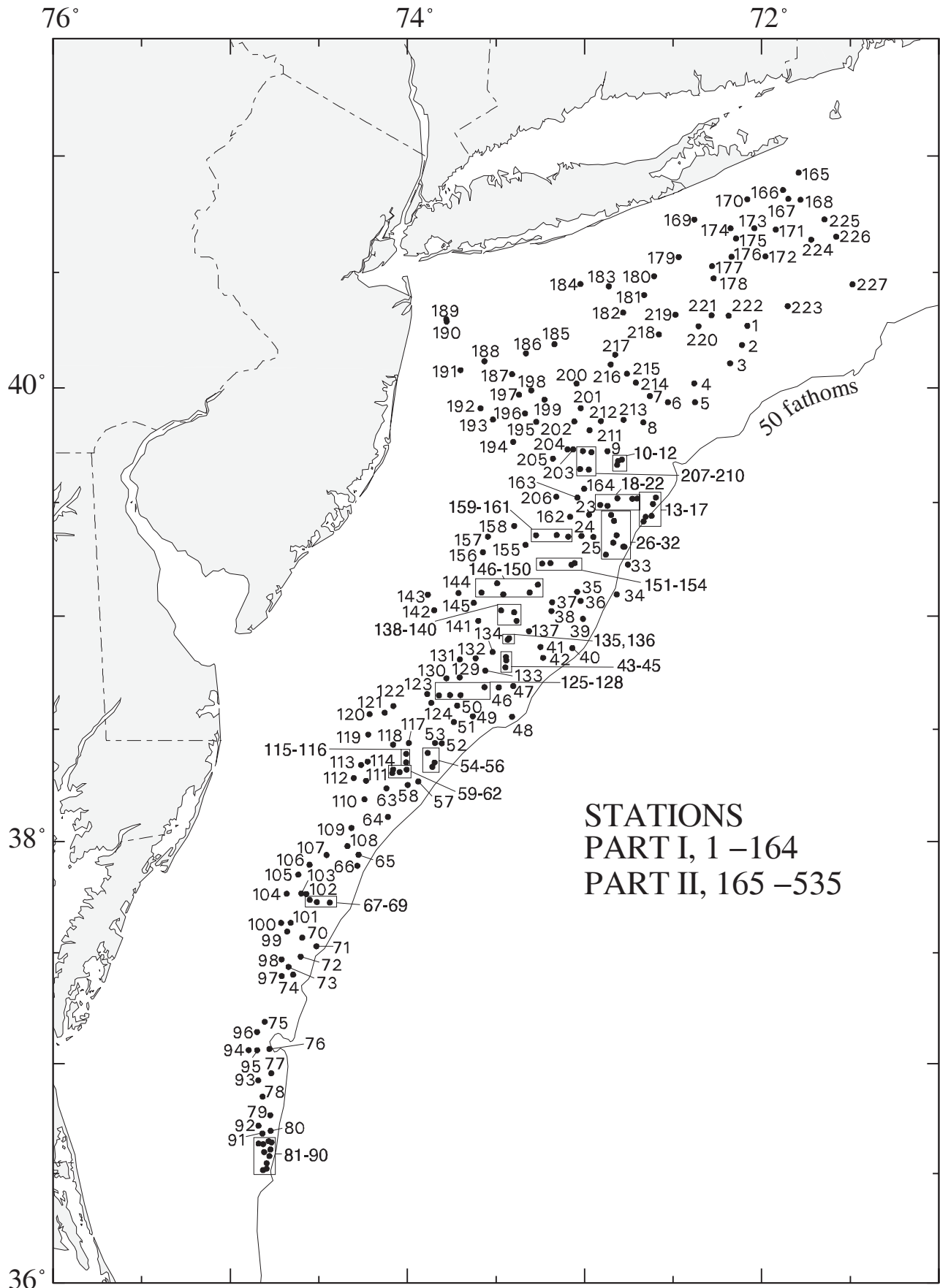
National Marine Fisheries Service  
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**Scallop Survey**  
Cape Hatteras - Georges Bank  
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The following charts and station data indicate the distribution of sea scallops during the 2002 summer Scallop 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 baskets, 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.

In an effort to make this report timely, the data are summarized from unaudited catch files. Therefore, all information in this report is considered provisional and subject to change.

For further information contact Russell Brown (508-495-2380) or Linda Despres (508-495-2346), National Marine Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543. To view this report on the Ecosystems Surveys Branch website, go to: <http://www.nefsc.noaa.gov/esb/fishermens%20reports.htm>.



**STATIONS**  
**PART I, 1 – 164**  
**PART II, 165 – 535**

Figure 1. Dredge tows from FRV ALBATROSS IV (02–08), during National Marine Fisheries Service, Northeast Fisheries Science Center, Sea Scallop Survey, July 17 – August 16, 2002.

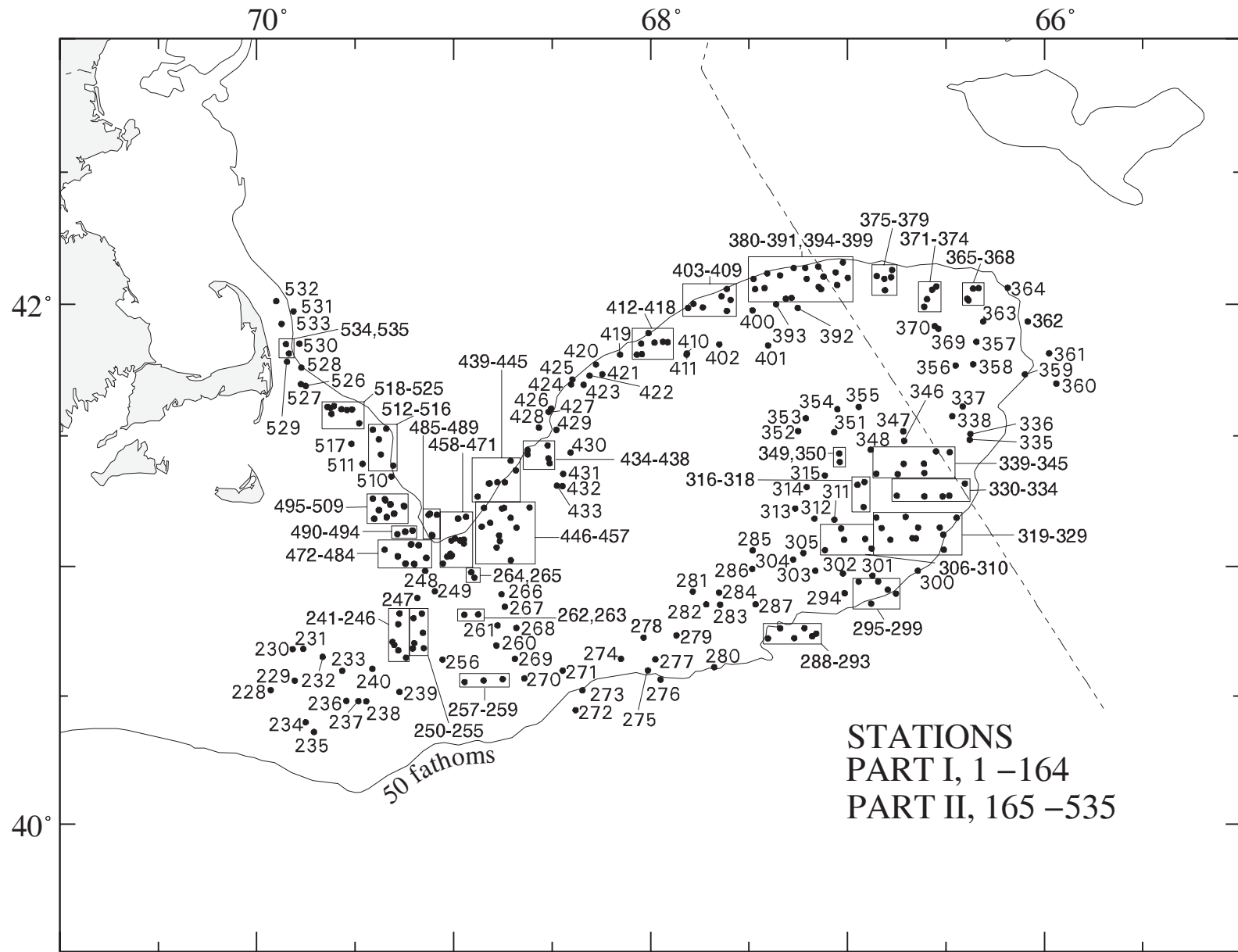


Figure 2. Dredge tows from FRV ALBATROSS IV (02–08), during National Marine Fisheries Service, Northeast Fisheries Science Center, Sea Scallop Survey, July 17 –August 16, 2002.

ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Bask)	Station Data				Bottom				Number of Scallops				Trash By-Catch			
	Position		Loran	heading	Depth (FM)	Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol.		
	Lat.	Long.	TD's													
0001	4016.1	7204.8	X26062.4	Y43493.7	193	34.4	44.42	0	0	0	0	15	0	85	1	
0002	4011.1	7206.6	X26074.9	Y43452.8	194	36.1		402	150	252	158	10	0	90	3	
0003	4006.3	7210.6	X26104.2	Y43414.7	227	38.8		0	0	0	0	2	0	98	3	
0004	4001.1	7222.8	X26194.6	Y43377.9	196	39.4		4	0	4	3	25	0	75	3	
0005	3956.2	7222.5	X26190.3	Y43334.3	249	39.4	45.14	160	54	106	63	55	0	45	6	
0006	3956.2	7231.7	X26258.6	Y43339.9	246	36.1		241	149	92	74	60	0	40	2	
0007	3957.8	7237.8	X26305.2	Y43358.2	225	32.3		173	20	153	95	70	0	30	3	
0008	3950.9	7240.0	X26316.4	Y43296.5	219	33.4		574	399	175	64	55	0	45	1	
0009	3943.4	7252.2	X26398.9	Y43232.6	145	39.4	47.12	25	8	17	12	10	0	90	4	
0010	3940.8	7248.6	X26371.1	Y43206.8	227	38.8		7	5	2	1	5	0	95	4	
* 0011	3939.8	7248.9	X26372.5	Y43197.6	343	37.7		1	0	1	0	10	20	70	4	
0012	3941.2	7247.3	X26362.2	Y43210.1	117	38.8		35	33	2	1	35	35	30	4	
0013	3931.2	7235.8	X26276.2	Y43113.7	141	46.5	45.14	0	0	0	0	20	0	80	3	
0014	3929.5	7236.8	X26282.5	Y43098.2	148	48.7		0	0	0	0	15	0	85	3	
0015	3926.4	7237.2	X26284.1	Y43069.6	278	55.2										
0016	3926.2	7239.3	X26298.3	Y43068.1	92	50.9										
0017	3925.0	7240.0	X26302.5	Y43057.0	334	50.3		0	0	0	0	10	0	90	3	
0018	3931.0	7242.1	X26319.5	Y43113.3	268	39.4	45.14									
0019	3930.9	7243.8	X26331.2	Y43112.8	268	37.2		807	733	74	37	90	0	10	1	
0020	3931.0	7248.8	X26365.7	Y43114.9	232	36.6		1532	1248	284	120	90	0	10	1	
0021	3929.1	7252.2	X26387.8	Y43097.7	158	36.1		742	518	224	182	50	0	50	1	
0022	3929.3	7254.6	X26404.5	Y43100.1	196	32.8	47.12	554	280	274	153	50	0	50	2	
0023	3926.7	7258.4	X26428.5	Y43076.0	195	35.5		188	87	101	79	20	0	80	3	
0024	3921.1	7301.0	X26441.6	Y43022.6	107	36.6		509	439	70	49	10	0	90	4	
0025	3920.9	7257.0	X26414.7	Y43020.3	38	40.5	46.58	139	35	104	78	5	0	95	2	
0026	3926.7	7250.9	X26377.4	Y43074.8	163	37.7		1835	3285	2220	1560	25	0	75	3	
0027	3925.1	7250.0	X26370.3	Y43059.5	159	37.7		1236	520	716	512	60	5	35	2	
0028	3921.3	7249.1	X26362.0	Y43023.5	189	42.7		1192	356	836	228	45	0	55	2	
0029	3919.4	7250.2	X26368.3	Y43005.6	203	42.1	45.68	1996	1074	925	209	60	0	40	1	
0030	3916.2	7252.7	X26383.1	Y42975.3	141	42.7		1172	576	596	88	10	0	90	2	
0031	3918.3	7246.4	X26342.5	Y42994.9	170	47.0										
0032	3918.3	7246.8	X26345.2	Y42995.0	174	45.9		0	0	0	0	2	0	98	4	
0033	3913.6	7245.3	X26333.3	Y42950.6	211	59.6		0	0	0	0	5	60	35	4	
0034	3905.7	7249.1	X26354.7	Y42875.6	230	61.8	49.64	0	0	0	0	2	0	98	4	
0035	3906.4	7302.5	X26440.8	Y42880.5	307	39.9		2916	804	2112	1302	30	0	70	1	
0036	3904.0	7301.2	X26430.9	Y42857.5	135	44.3		100	36	64	9	50	0	50	4	
0037	3903.7	7310.9	X26492.5	Y42852.8	180	40.5		848	256	592	336	20	0	80	3	
0038	3901.3	7311.2	X26492.5	Y42829.2	120	39.9	47.48	1735	415	1320	770	45	5	50	2	
0039	3859.3	7300.5	X26423.7	Y42812.1	206	45.9		18	13	5	1	40	0	60	3	
0040	3851.5	7304.1	X26441.5	Y42735.4	261	49.8		3	1	2	0	30	0	70	3	

ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Bask)	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.	
	Lat.	Long.			Depth (FM)	Temp (F)									
* 0041	3851.8	7314.9	X26508.1	Y42734.5	200	45.4									
0042	3849.0	7314.0	X26500.4	Y42707.2	251	43.2	52.16	842	268	574	244	75	5	20	4
0043	3849.2	7326.6	X26577.4	Y42703.9	163	38.3									
0044	3848.3	7326.5	X26575.9	Y42694.9	297	36.6		726	80	646	546	2	0	98	4
0045	3846.4	7326.7	X26575.3	Y42675.7	193	38.3		50	4	46	39	5	5	90	5
0046	3841.1	7329.0	X26584.1	Y42621.2	103	38.8		2075	390	1685	1160	75	0	25	1
0047	3841.5	7324.1	X26555.3	Y42627.9	218	39.9	51.98	3015	360	2655	1895	20	0	80	1
0048	3833.3	7324.5	X26550.8	Y42545.6	270	47.0		2	0	2	1	25	0	75	4
0049	3833.4	7337.8	X26628.3	Y42537.8	317	38.8		399	331	68	31	40	10	50	2
0050	3836.2	7343.1	X26662.2	Y42563.0	186	32.3		949	750	199	72	30	40	30	3
0051	3831.9	7344.2	X26663.8	Y42518.1	211	35.0	48.56	1164	1700	628	334	35	25	40	2
0052	3826.2	7348.3	X26680.8	Y42456.3	270	36.1		432	271	161	36	2	0	98	4
0053	3826.3	7350.6	X26694.0	Y42455.5	223	33.9		1424	850	574	186	2	0	98	1
* 0054	3823.6	7353.1	X26704.9	Y42425.4	156	36.1		97	45	52	44	2	0	98	5
0055	3821.1	7350.8	X26689.2	Y42401.5	208	40.5	48.92								
0056	3819.9	7351.5	X26691.7	Y42388.5	35	40.5									
0057	3816.0	7356.3	X26713.8	Y42343.6	287	36.1		469	417	52	33	90	0	10	3
0058	3815.1	7359.8	X26732.0	Y42330.9	27	39.4		71	6	65	56	10	0	90	3
0059	3819.2	7400.2	X26739.2	Y42373.4	42	38.8		20	2	18	17	10	0	90	3
0060	3818.5	7402.6	X26751.6	Y42363.8	300	38.8	48.56	73	22	51	41	15	0	85	2
0061	3819.2	7404.8	X26764.6	Y42369.1	193	34.4									
0062	3818.3	7405.1	X26765.1	Y42359.4	188	38.8		369	193	176	115	15	15	70	4
0063	3814.2	7407.0	X26770.1	Y42314.3	158	38.8		2424	1854	570	246	45	0	55	2
0064	3806.5	7406.5	X26757.7	Y42233.8	211	39.9		172	130	42	31	25	5	70	2
0065	3756.4	7416.5	X26797.4	Y42115.6	211	39.9	54.32	54	11	43	39	10	0	90	4
0066	3753.4	7416.9	X26795.7	Y42083.3	197	39.4		627	395	232	125	10	50	40	4
0067	3743.5	7426.3	X26830.4	Y41965.4	255	35.0		1160	634	526	236	20	0	80	4
0068	3743.7	7430.6	X26852.0	Y41961.3	245	31.2		925	760	165	68	50	0	50	2
0069	3744.3	7433.0	X26864.7	Y41964.3	194	32.3	50.18	505	250	255	131	85	0	15	2
0070	3734.1	7435.6	X26863.5	Y41851.0	124	31.7		480	195	285	165	45	10	45	4
0071	3731.8	7430.8	X26837.3	Y41834.1	267	36.6		1484	1016	468	152	60	5	35	1
0072	3729.0	7436.1	X26859.1	Y41795.7	227	35.5		1041	777	264	96	50	5	45	1
0073	3726.2	7440.2	X26874.9	Y41758.9	164	32.8	50.18	1364	700	664	228	60	5	35	2
0074	3724.1	7438.7	X26865.0	Y41739.0	205	33.4		1935	1605	330	87	90	5	5	3
0075	3711.3	7448.3	X26892.6	Y41584.9	166	32.8		55	26	29	8	2	5	93	4
0076	3703.9	7446.7	X26875.9	Y41509.2	180	40.5		6	6	0	0	5	25	70	3
* 0077	3657.4	7446.1	X26865.2	Y41441.8	195	36.6	51.26	32	10	22	18	5	85	10	8
0078	3651.0	7449.0	X26870.2	Y41368.4	51	28.4		852	852	0	0	10	70	20	4
0079	3645.9	7446.4	X26853.0	Y41320.9	46	37.7		2	2	0	0	30	35	35	5
0080	3641.7	7446.3	X26847.8	Y41277.6	159	36.6		17	17	0	0	10	50	40	12

ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Bask)	Station Data				Bottom				Number of Scallops				Trash By-Catch			
	Position		Loran	heading	Depth (FM)	Temp (F)	Total No.	<90mm	>90mm	>100mm	Shell	Stone (Percentage)	Inverts	Total Vol.		
	Lat.	Long.	TD's					>40ct	<40ct	<30ct						
0081	3638.8	7447.0	X26847.6	Y41246.0	158	33.4	53.60	2	2	0	0	10	50	40	4	
0082	3638.5	7446.0	X26843.0	Y41245.3	184	42.7		0	0	0	0	30	0	70	4	
0083	3636.6	7446.4	X26842.7	Y41224.8	183	44.3		0	0	0	0	40	0	60	4	
0084	3634.8	7446.7	X26842.0	Y41205.6	202	44.3		0	0	0	0	5	0	95	3	
0085	3632.8	7447.6	X26843.6	Y41183.0	173	40.5	52.34	0	0	0	0	20	0	80	3	
0086	3631.3	7447.7	X26842.4	Y41167.4	171	43.2		0	0	0	0	5	0	95	4	
0087	3630.9	7448.9	X26847.0	Y41160.3	26	29.0		3	3	0	0	50	0	50	2	
0088	3635.9	7448.5	X26850.7	Y41212.6	5	29.5		218	218	0	0	10	80	10	10	
0089	3638.0	7448.8	X26854.3	Y41233.5	3	27.9	54.14	418	418	0	0	40	40	20	6	
0090	3638.2	7450.4	X26861.3	Y41231.8	359	27.3		4	4	0	0	60	10	30	2	
0091	3640.9	7449.1	X26858.9	Y41262.8	357	29.0		162	162	0	0	30	45	25	5	
0092	3643.1	7450.4	X26866.9	Y41282.7	5	27.3		18	18	0	0	55	5	40	1	
0093	3655.4	7450.5	X26882.1	Y41411.5	335	31.2	52.34	565	565	0	0	20	60	20	9	
0094	3703.7	7453.7	X26906.8	Y41493.1	88	26.2		61	61	0	0	25	55	20	9	
0095	3703.6	7450.8	X26893.8	Y41497.9	0	31.7		86	86	0	0	10	85	5	7	
0096	3708.6	7450.9	X26900.8	Y41551.1	23	30.1		31	8	23	19	5	0	95	2	
0097	3723.7	7442.5	X26882.3	Y41728.2	19	31.2	50.72	1144	440	704	438	90	5	5	1	
0098	3728.2	7442.6	X26888.9	Y41776.4	346	31.7		189	55	134	56	85	0	15	2	
0099	3735.7	7440.7	X26890.3	Y41860.2	18	28.4		1464	808	656	324	45	50	5	4	
0100	3738.1	7442.7	X26903.4	Y41883.1	6	30.6		123	50	73	47	20	0	80	2	
0101	3738.1	7439.5	X26887.9	Y41888.0	29	30.1	50.90	631	547	84	39	45	15	40	1	
0102	3745.8	7434.2	X26872.8	Y41978.7	264	31.7										
0103	3746.0	7435.9	X26881.5	Y41978.5	99	30.1		112	99	13	12	35	0	65	3	
0104	3745.9	7440.8	X26905.7	Y41970.5	27	27.3		120	94	26	19	35	5	60	4	
0105	3751.1	7436.9	X26894.0	Y42032.3	54	27.9		555	438	117	81	45	0	55	3	
0106	3753.7	7433.1	X26878.7	Y42065.4	72	29.0	51.44	1124	984	140	94	95	0	5	7	
0107	3756.3	7427.3	X26852.9	Y42100.9	79	30.1		344	324	20	19	15	75	10	4	
0108	3758.7	7420.3	X26820.2	Y42135.3	17	33.4		45	14	31	18	2	0	98	3	
0109	3803.6	7418.9	X26819.5	Y42189.2	10	30.1		1305	1255	50	30	10	70	20	3	
0110	3811.2	7414.5	X26806.7	Y42274.9	340	23.5	50.90	1605	1350	255	150	10	70	20	3	
0111	3816.2	7414.0	X26811.0	Y42328.6	249	29.0		3996	3048	948	396	10	80	10	2	
0112	3817.0	7418.1	X26834.4	Y42333.2	343	27.3		1029	639	390	192	60	0	40	2	
0113	3820.4	7415.6	X26825.8	Y42371.9	50	30.1	50.36	204	96	108	40	20	0	80	2	
0114	3821.3	7413.4	X26815.0	Y42383.5	151	29.5		1800	1192	608	212	25	60	15	4	
0115	3821.1	7400.4	X26742.7	Y42393.1	354	35.0		40	11	29	21	15	0	85	6	
0116	3823.4	7400.3	X26745.1	Y42417.3	328	33.4		292	161	131	74	15	0	85	6	
0117	3826.3	7359.5	X26744.3	Y42448.3	256	30.6	48.92	698	344	354	152	10	10	80	3	
0118	3825.8	7404.8	X26773.5	Y42438.7	263	32.8		457	261	196	103	2	0	98	4	
0119	3828.6	7413.2	X26824.8	Y42461.6	6	26.8		944	844	100	34	20	20	60	4	
0120	3834.0	7412.8	X26830.8	Y42519.6	210	25.7		448	314	134	68	10	40	50	8	

## ALBATROSS IV 2002 SEA SCALLOP SURVEY

July 17 - August 16

Station (Basket)	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.	
	Lat.	Long.			Depth (FM)	Temp (F)									
0121	3834.4	7407.6	X26801.7	Y42527.6	209	27.3	50.00	848	532	316	178	80	10	10	1
0122	3836.1	7404.7	X26787.6	Y42547.6	85	30.1		3248	1967	1281	483	20	0	80	3
0123	3839.3	7353.2	X26725.1	Y42588.7	149	26.2		419	233	186	165	20	40	40	7
0124	3837.0	7351.9	X26714.5	Y42565.6	213	29.0		19464	19424	104	64	45	5	50	2
0125	3839.0	7349.3	X26701.8	Y42588.0	123	29.5	48.38	185	62	123	62	10	0	90	10
0126	3839.0	7345.5	X26679.5	Y42590.3	109	31.2		632	418	214	154	10	40	50	7
0127	3839.0	7342.0	X26658.9	Y42592.4	56	33.9		255	157	98	67	30	40	30	3
0128	3841.2	7333.8	X26612.8	Y42619.6	224	33.9		420	302	118	89	50	0	50	3
0129	3843.7	7342.2	X26665.5	Y42640.5	259	31.2	48.38	312	116	196	143	10	0	90	9
0130	3843.5	7346.7	X26692.1	Y42636.1	21	27.9		283	113	170	126	5	0	95	15
0131	3848.5	7342.2	X26671.3	Y42689.8	118	29.0		450	156	294	240	20	0	80	7
0132	3848.8	7336.8	X26639.0	Y42695.4	208	30.1		573	129	444	352	20	0	80	9
0133	3845.5	7333.6	X26616.0	Y42663.3	211	35.0	48.02	356	213	143	88	30	0	70	4
0134	3850.5	7331.1	X26606.1	Y42715.1	16	31.7		988	416	572	412	30	20	50	4
0135	3853.8	7326.0	X26578.2	Y42750.3	73	32.8									
0136	3854.1	7325.5	X26575.4	Y42753.5	238	34.4		778	402	376	286	20	30	50	3
0137	3856.0	7318.8	X26535.7	Y42774.7	326	35.5		327	188	139	86	10	5	85	2
0138	3858.7	7323.0	X26564.4	Y42800.4	34	35.5	47.66	624	352	272	202	15	75	10	3
0139	3901.0	7323.8	X26571.8	Y42823.2	305	32.8		286	141	145	117	3	2	95	6
0140	3901.5	7328.2	X26600.0	Y42827.1	227	30.6		201	49	152	107	5	10	85	9
0141	3858.7	7335.9	X26645.1	Y42796.6	292	27.3	48.38	361	83	278	119	5	0	95	8
* 0142	3901.5	7350.9	X26742.5	Y42820.9	47	21.9		77	18	59	46	25	5	70	9
* 0143	3905.6	7353.0	X26762.1	Y42863.1	53	22.4		51	10	41	34	25	5	70	12
* 0144	3906.1	7342.6	X26697.0	Y42870.6	49	19.1		53	21	32	29	15	15	70	20
0145	3903.5	7337.5	X26661.2	Y42845.1	44	26.8	48.56	224	49	175	84	10	15	75	16
0146	3906.2	7334.8	X26647.5	Y42873.2	60	24.6		206	40	166	78	1	1	98	14
0147	3908.7	7329.6	X26617.3	Y42899.4	186	27.9		373	110	263	124	2	0	98	9
0148	3905.7	7327.5	X26600.3	Y42869.5	174	31.7		428	54	374	338	2	0	98	13
0149	3906.2	7318.6	X26543.9	Y42876.1	44	33.9	47.48	784	218	566	482	3	2	95	6
0150	3908.3	7315.8	X26527.9	Y42897.3	46	33.4		606	293	313	270	5	5	90	7
0151	3913.5	7304.4	X26458.3	Y42949.2	70	39.9									
0152	3914.0	7303.3	X26451.4	Y42954.1	240	38.8		605	96	514	303	20	10	70	4
0153	3914.0	7311.5	X26505.3	Y42953.8	234	35.0		836	300	536	410	40	5	55	3
0154	3913.8	7314.3	X26523.4	Y42951.7	234	33.9	47.12	81	30	51	29	20	30	50	4
0155	3918.8	7319.9	X26565.7	Y43001.0	268	26.8		115	15	100	52	25	25	50	7
* 0156	3916.9	7334.4	X26659.1	Y42981.8	18	26.2		97	20	77	50	5	5	90	9
0157	3921.0	7332.7	X26653.6	Y43023.3	67	26.8		73	23	50	31	15	5	80	5
* 0158	3923.8	7323.8	X26597.8	Y43050.9	114	23.5	51.26	68	19	49	41	10	5	85	6
0159	3921.3	7316.4	X26545.1	Y43025.6	49	30.1		113	30	83	58	5	5	90	12
0160	3921.4	7309.4	X26498.3	Y43026.1	80	33.4		248	105	143	96	10	5	85	8



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Station (Bask)	Station Data					Number of Scallops						Trash By-Catch			
	Position		Loran TD's	heading	Depth (FM)	Bottom		Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol.
	Lat.	Long.				Temp (F)									
0161	3921.0	7305.5	X26471.7	Y43021.9	80	31.7	47.12	160	69	91	66	30	30	40	9
0162	3926.2	7304.8	X26471.7	Y43072.2	347	36.6									
0163	3931.2	7302.4	X26459.8	Y43120.0	71	36.1		360	191	169	108	20	5	75	10
0164	3933.5	7300.1	X26446.0	Y43141.5	68	37.2		271	134	137	78	20	0	80	7
0165	4055.6	7147.4	X25946.8	Y43794.4	228	24.1		278	76	202	69	50	25	25	1
0166	4051.2	7152.7	X25987.2	Y43767.1	165	21.9		22	2	20	7	5	0	95	7
0167	4048.9	7150.9	X25969.1	Y43746.7	106	22.4	51.80	20	10	10	4	2	0	98	7
0168	4048.6	7146.8	X25933.6	Y43739.2	220	29.0		15	10	5	4	40	0	60	1
0169	4043.5	7222.8	X26234.4	Y43743.2	69	20.2		41	16	25	12	10	0	90	20
0170	4048.8	7204.8	X26088.4	Y43763.6	138	21.9	52.16	48	11	37	24	10	0	90	12
0171	4041.0	7155.2	X25998.1	Y43689.1	203	27.3		23	1	22	22	10	0	90	10
0172	4034.0	7158.7	X26022.0	Y43636.4	23	32.8		5	3	2	2	65	0	35	1
0173	4041.3	7202.4	X26059.1	Y43700.1	266	27.3	51.08	37	11	26	24	5	0	95	7
0174	4041.3	7210.5	X26127.4	Y43709.8	54	25.2		158	69	89	52	2	0	98	5
0175	4038.7	7208.7	X26109.4	Y43686.3	0	27.3		92	43	49	40	5	0	95	6
0176	4033.9	7210.1	X26116.2	Y43648.2	237	30.1	48.02	120	8	112	108	10	0	90	3
0177	4031.5	7216.8	X26169.1	Y43635.5	349	29.0		56	5	51	50	10	0	90	4
0178	4028.3	7216.2	X26161.1	Y43607.8	273	32.3		91	32	59	48	10	0	90	2
0179	4033.9	7228.1	X26265.2	Y43668.4	236	24.1	49.64	22	1	21	18	8	0	92	13
0180	4028.9	7236.4	X26326.7	Y43634.4	215	24.1		17	0	17	16	8	0	92	8
0181	4024.0	7239.8	X26347.7	Y43594.8	255	25.7		26	4	22	16	5	0	95	7
0182	4019.5	7246.9	X26398.5	Y43561.6	298	27.9	47.48	49	13	36	20	3	47	50	4
0183	4026.3	7251.7	X26447.1	Y43627.6	278	24.1		101	17	84	35	2	20	78	16
0184	4026.9	7301.3	X26525.7	Y43643.2	203	20.2		38	19	19	13	3	0	97	10
0185	4011.3	7310.2	X26568.7	Y43506.7	248	22.4	48.74	40	4	36	17	3	2	95	8
0186	4008.9	7319.8	X26638.2	Y43491.6	266	21.9		64	30	34	16	2	0	98	8
0187	4003.5	7324.5	X26663.9	Y43442.8	291	27.9		1	0	1	1	2	0	98	3
0188	4006.9	7333.8	X26740.6	Y43482.7	305	39.4	48.56	0	0	0	0	1	1	98	4
0189	4017.8	7346.8	X26864.2	Y43601.1	181	27.9		0	0	0	0	45	5	50	1
0190	4017.2	7346.7	X26862.0	Y43595.1	181	29.5		0	0	0	0	48	4	48	1
0191	4004.5	7342.0	X26796.8	Y43464.6	159	19.7	54.86	141	124	17	11	2	0	98	6
0192	3954.6	7335.2	X26726.4	Y43361.6	125	16.4		21	5	16	14	1	19	80	26
0193	3951.6	7331.0	X26690.4	Y43329.6	142	19.7		19	4	15	10	1	19	80	7
0194	3945.8	7324.1	X26630.9	Y43269.1	48	19.7	51.62	17	11	6	6	1	19	80	7
0195	3951.0	7316.3	X26582.4	Y43316.3	303	24.1		482	256	226	80	1	1	98	2
0196	3953.2	7320.1	X26613.6	Y43339.7	330	25.2		285	129	156	98	5	90	5	6
0197	3958.1	7322.1	X26636.4	Y43388.6	152	33.9	47.66	0	0	0	0	1	0	99	1
0198	3959.2	7318.0	X26607.8	Y43396.8	125	32.3		4	4	0	0	2	1	97	3
0199	3956.8	7313.5	X26570.5	Y43370.8	125	38.8		18	18	0	0	1	1	98	3
0200	4001.0	7302.6	X26495.0	Y43403.9	181	25.7	46.58	26	4	22	14	5	0	95	4

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Station (Bask)	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.	
	Lat.	Long.			Depth (FM)	Temp (F)									
0201	3954.6	7301.2	X26476.3	Y43342.6	141	27.9		66	17	49	43	50	0	50	1
0202	3951.2	7303.4	X26488.3	Y43311.6	182	38.8		5	5	0	0	14	1	85	1
0203	3943.8	7303.8	X26482.6	Y43241.2	281	30.1	48.74	311	206	105	32	1	1	98	4
0204	3943.9	7305.7	X26496.3	Y43243.0	248	27.9		579	250	329	76	2	3	95	4
0205	3941.4	7310.7	X26529.0	Y43220.8	171	24.6		66	27	39	16	2	33	65	6
0206	3931.4	7309.5	X26509.1	Y43123.5	158	23.5	48.56	64	43	21	16	2	33	65	8
0207	3938.7	7301.5	X26460.8	Y43191.6	95	32.8		63	21	42	38	10	0	90	6
0208	3938.6	7258.5	X26439.5	Y43189.6	341	34.4		340	127	213	85	10	0	90	2
0209	3943.4	7300.5	X26458.5	Y43236.1	336	29.0	48.92	178	48	130	60	10	0	90	3
0210	3943.1	7257.6	X26437.4	Y43232.0	100	35.5		527	315	212	101	15	0	85	3
0211	3948.8	7258.3	X26448.3	Y43286.3	47	39.9		7	6	1	1	10	40	50	4
0212	3951.2	7254.4	X26422.3	Y43306.9	79	30.1	45.50	708	541	167	42	49	0	51	1
0213	3951.6	7246.7	X26366.1	Y43306.5	47	30.1		283	175	108	34	50	0	50	1
0214	4001.3	7242.6	X26344.2	Y43393.1	1	32.3		113	52	61	34	2	0	98	3
0215	4003.6	7245.6	X26369.3	Y43416.2	293	32.3	45.50	68	43	25	20	2	0	98	4
0216	4006.0	7251.1	X26414.0	Y43442.3	21	27.9		37	11	26	17	2	0	98	3
0217	4008.5	7249.6	X26405.5	Y43464.1	70	29.0		35	12	23	14	2	0	98	5
0218	4013.8	7234.7	X26295.4	Y43499.6	37	30.6	45.68	26	3	23	20	2	0	98	5
0219	4018.9	7229.2	X26257.0	Y43539.7	115	27.9		36	1	35	33	2	0	98	3
0220	4015.9	7221.3	X26191.9	Y43506.4	48	31.7		24	0	24	21	10	0	90	3
0221	4018.8	7216.9	X26159.1	Y43527.5	84	31.2	45.14	32	1	31	31	10	0	90	4
0222	4018.7	7211.1	X26113.1	Y43521.3	88	32.8		9	3	6	6	10	0	90	4
0223	4021.2	7151.1	X25955.7	Y43524.0	16	39.9		0	0	0	0	1	19	80	1
0224	4038.4	7143.2	X25896.0	Y43654.7	34	36.1	46.76	2	2	0	0	25	0	75	1
0225	4043.6	7138.7	X25860.8	Y43690.3	144	37.2		0	0	0	0	10	0	90	1
0226	4039.1	7134.7	X25825.6	Y43650.7	155	38.8		0	0	0	0	2	0	98	1
0227	4026.8	7129.2	X25782.2	Y43548.5	343	41.0	47.12	0	0	0	0	1	0	99	1
0228	4031.3	6955.7	W14106.6	Y43499.0	65	36.6		1	1	0	0	85	0	15	1
0229	4033.5	6948.4	W14060.6	Y43508.0	355	36.1		10	10	0	0	15	0	85	1
0230	4040.8	6949.0	W14038.0	Y43557.6	116	29.0	53.06	0	0	0	0	2	0	98	1
0231	4040.9	6945.8	W14020.7	Y43555.4	146	29.0		0	0	0	0	1	0	99	1
0232	4039.0	6939.9	W13996.7	Y43537.7	110	29.0		0	0	0	0	1	0	99	1
0233	4035.8	6933.9	W13977.1	Y43511.6	174	33.4	51.80	0	0	0	0	3	0	97	3
0234	4023.8	6945.1	W14076.7	Y43439.8	149	39.9		0	0	0	0	90	0	10	5
0235	4021.5	6942.5	W14071.0	Y43422.3	54	39.4		0	0	0	0	95	0	5	22
0236	4028.8	6932.7	W13995.8	Y43464.3	95	36.1	50.18	1932	180	1752	1632	89	1	10	5
0237	4028.7	6929.0	W13977.4	Y43460.9	97	35.0		135	23	112	95	90	0	10	10
0238	4028.7	6926.6	W13965.2	Y43459.2	71	35.5		291	33	258	249	89	1	10	9
0239	4030.9	6916.5	W13906.4	Y43466.2	281	37.7	50.18	150	13	137	124	40	20	40	4
0240	4036.2	6924.7	W13928.5	Y43506.9	60	28.4		29	0	29	29	1	0	99	34

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Station (Bask)	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.		
	Lat.	Long.			Depth (FM)	Temp (F)										
* 0241	4038.8	6914.4	W13866.7	Y43515.6	13	31.7										
	0242	4040.5	6916.8	W13872.4	Y43528.4	311	26.2	53.96								
* 0243	4041.8	6918.1	W13874.1	Y43537.8	80	31.2										
* 0244	4042.5	6918.6	W13874.0	Y43542.7	98	24.1										
* 0245	4046.6	6916.8	W13849.2	Y43567.3	104	32.3	55.04									
	0246	4049.1	6916.5	W13838.0	Y43582.9	36	29.5									
* 0247	4052.7	6911.0	W13795.9	Y43600.7	354	32.3										
	0248	4058.9	6908.6	W13758.8	Y43637.0	168	37.2	50.72								
* 0249	4054.2	6905.7	W13763.1	Y43605.3	180	40.5										
	0250	4049.1	6909.6	W13803.0	Y43576.9	214	36.6									
* 0251	4048.0	6912.2	W13820.5	Y43572.2	141	35.5	54.86									
* 0252	4044.6	6909.3	W13819.0	Y43548.3	223	37.2										
* 0253	4042.2	6912.0	W13841.8	Y43535.3	178	31.2										
* 0254	4041.0	6912.4	W13848.4	Y43528.0	74	30.6	54.32									
	0255	4041.0	6909.1	W13831.8	Y43525.4	155	36.6									
	0256	4038.4	6903.3	W13812.9	Y43504.4	169	37.7									
	0257	4033.2	6856.6	W13799.6	Y43466.7	120	39.9	51.62								
	0258	4033.5	6850.8	W13770.3	Y43464.5	122	37.7									
	0259	4033.8	6845.0	W13741.3	Y43462.4	347	36.6									
	0260	4041.6	6846.9	W13720.3	Y43512.0	6	36.6	51.44								
	0261	4046.3	6846.6	W13700.2	Y43540.6	287	36.6									
	0262	4048.9	6852.5	W13718.7	Y43561.3	251	37.7									
* 0263	4048.8	6856.7	W13739.8	Y43564.1	6	37.7	53.60									
	0264	4058.6	6854.6	W13689.6	Y43622.3	182	42.1									
	0265	4057.4	6853.6	W13689.6	Y43614.1	278	36.1									
	0266	4053.5	6845.4	W13665.3	Y43583.4	331	37.7	56.30								
	0267	4050.6	6844.4	W13672.3	Y43565.0	337	36.6									
	0268	4045.7	6840.8	W13674.6	Y43532.4	186	31.2									
	0269	4038.5	6841.3	W13705.5	Y43488.8	159	33.4	51.98								
	0270	4034.0	6838.4	W13709.1	Y43459.1	85	37.2									
	0271	4035.8	6826.7	W13647.1	Y43462.2	163	41.6									
	0272	4026.6	6822.8	W13664.6	Y43404.0	16	55.8	53.78								
	0273	4031.2	6820.7	W13637.3	Y43430.6	55	51.9									
	0274	4038.5	6809.0	W13555.2	Y43466.6	118	47.6									
	0275	4035.9	6800.8	W13528.8	Y43446.1	169	49.8	51.80								
	0276	4033.7	6756.9	W13520.3	Y43430.9	337	52.5									
	0277	4038.4	6758.5	W13508.5	Y43459.3	325	46.5									
	0278	4043.5	6802.1	W13503.8	Y43491.3	86	42.1	51.08								
	0279	4044.0	6752.1	W13457.3	Y43487.5	66	39.9									
	0280	4036.6	6740.6	W13437.6	Y43437.9	53	45.4									

## ALBATROSS IV 2002 SEA SCALLOP SURVEY

July 17 - August 16

Station (Bask)	Station Data				Bottom				Number of Scallops			Trash By-Catch			
	Position		Loran	heading	Depth (FM)	Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol.	
	Lat.	Long.	TD's												
0281	4054.1	6747.1	W13393.0	Y43541.5	141	33.4	52.88	97	17	80	48	70	0	30	7
0282	4051.2	6743.0	W13387.4	Y43522.2	90	37.7		55	18	37	33	80	0	20	3
0283	4051.1	6738.7	W13369.2	Y43518.7	2	37.7		83	43	40	26	50	0	50	2
0284	4053.9	6739.1	W13359.0	Y43534.7	30	38.3	51.08	62	26	36	18	30	30	40	1
0285	4103.6	6728.8	W13272.8	Y43580.7	181	33.9		50	9	41	35	75	5	20	4
0286	4059.4	6729.0	W13292.1	Y43557.9	228	38.3		51	13	38	11	95	2	3	2
0287	4051.2	6728.0	W13323.2	Y43512.1	257	44.3	50.54	119	100	19	19	95	2	3	3
0288	4043.3	6724.2	W13340.6	Y43465.9	285	51.4		1	1	0	0	50	5	45	9
0289	4045.6	6720.5	W13315.6	Y43476.4	303	51.4		3	0	3	2	70	0	30	10
0290	4043.4	6716.2	W13307.1	Y43461.6	47	54.1	54.86	0	0	0	0	45	0	55	10
0291	4045.7	6713.1	W13284.8	Y43472.4	32	53.0		0	0	0	0	45	0	55	14
0292	4043.8	6710.7	W13283.0	Y43460.6	64	54.1									
0293	4044.4	6709.4	W13275.2	Y43463.1	232	54.1		0	0	0	0	45	0	55	9
0294	4053.8	6700.8	W13200.6	Y43508.7	100	48.1	51.44	44	1	43	39	60	38	2	18
0295	4056.5	6656.6	W13172.2	Y43520.4	158	45.9		67	8	59	39	98	0	2	2
0296	4051.4	6652.7	W13178.9	Y43490.9	7	52.5		11	2	9	1	95	0	5	20
0297	4056.5	6650.6	W13148.6	Y43516.6	141	47.6	51.26	21	2	19	16	98	0	2	31
0298	4054.6	6647.7	W13145.6	Y43504.8	203	50.9		14	0	14	6	98	0	2	24
0299	4053.7	6645.2	W13139.9	Y43498.5	46	53.0		14	12	2	0	98	0	2	29
0300	4059.0	6638.5	W13091.1	Y43522.1	258	48.7	51.26	31	12	19	7	98	0	2	8
0301	4057.8	6652.3	W13149.6	Y43524.5	264	45.4		84	34	50	26	98	0	2	4
0302	4058.3	6701.3	W13183.0	Y43533.0	84	42.7		486	78	408	130	60	0	40	1
0303	4059.0	6709.8	W13214.2	Y43542.4	84	41.6	50.00	180	78	102	77	70	0	30	2
0304	4101.5	6716.5	W13230.6	Y43560.5	57	38.3		67	6	61	56	50	0	50	3
0305	4103.0	6713.4	W13211.2	Y43566.3	53	37.2		54	0	54	52	50	0	50	3
0306	4103.7	6706.8	W13181.3	Y43565.4	96	36.1	51.44	358	5	353	349	55	0	45	4
* 0307	4104.1	6652.6	W13123.0	Y43557.8	30	39.4		5627	1048	4579	2463	50	0	50	1
0308	4106.3	6654.6	W13121.0	Y43570.7	242	38.8		1532	239	1293	855	25	0	75	9
0309	4106.1	6701.0	W13147.3	Y43574.1	213	37.2	50.72	505	22	483	470	40	0	60	4
0310	4108.7	6701.9	W13139.2	Y43588.4	268	36.1		120	6	114	109	10	0	90	1
0311	4110.7	6703.9	W13138.2	Y43600.4	263	35.5		123	8	115	98	20	0	80	1
0312	4111.0	6710.0	W13161.5	Y43606.5	298	33.4	50.36	42	13	29	29	80	0	20	4
0313	4113.3	6715.9	W13175.2	Y43623.1	282	30.1		4	1	3	2	2	0	98	14
0314	4118.2	6712.3	W13137.9	Y43646.2	329	27.9		0	0	0	0	1	0	99	12
0315	4120.9	6706.8	W13103.0	Y43655.9	186	32.3	54.86	2	0	2	2	1	0	99	19
0316	4118.7	6656.9	W13073.6	Y43636.8	57	37.2		62	11	51	48	1	0	99	3
0317	4119.4	6654.8	W13062.1	Y43638.8	255	38.8		41	1	40	40	5	0	95	2
0318	4113.6	6655.0	W13089.6	Y43609.0	125	38.3	50.72	57	4	53	53	5	0	95	1
0319	4111.2	6651.1	W13085.2	Y43593.7	179	39.4		1573	86	1487	1293	5	0	95	4
* 0320	4108.8	6649.6	W13090.2	Y43580.2	121	39.4		160	38	122	72	85	5	10	4

ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Bask)	Station Data						Number of Scallops				Trash By-Catch				
	Position		Loran		Depth (FM)	Bottom		Total No.	<90mm >40ct	>90mm <40ct	>100mm <30ct	Shell	Stone (Percentage)	Inverts	Total Vol.
	Lat.	Long.	TD's	heading		Temp (F)									
0321	4106.1	6646.9	W13091.9	Y43564.4	78	39.9	49.82	3348	1044	2304	780	90	0	10	2
0322	4106.5	6640.1	W13064.0	Y43561.9	109	44.8		1946	557	1389	457	90	0	10	1
0323	4103.8	6630.6	W13040.2	Y43541.9	352	51.4		41	41	0	0	98	0	2	9
0324	4107.3	6630.8	W13025.4	Y43559.9	352	51.4	51.26	54	54	0	0	90	0	10	4
0325	4111.2	6626.7	W12992.6	Y43576.9	248	49.2		40	34	6	1	98	0	2	1
0326	4108.9	6631.8	W13021.9	Y43568.7	250	50.9		185	104	81	34	90	5	5	14
0327	4106.4	6639.1	W13060.6	Y43560.7	322	45.4	48.38	2635	615	2020	725	98	0	2	2
0328	4108.9	6638.4	W13046.7	Y43573.1	333	45.9		2181	570	1611	476	90	0	10	2
0329	4111.4	6642.2	W13049.9	Y43588.5	341	41.0		4730	726	4004	2585	15	0	85	2
0330	4116.2	6644.9	W13038.3	Y43615.0	12	41.6	51.44	2227	36	2191	1951	50	0	50	3
0331	4116.1	6636.5	W13006.8	Y43608.5	86	45.9		3250	239	3011	2101	50	0	50	1
0332	4116.1	6630.9	W12985.9	Y43604.5	63	50.3	48.74	3876	1332	2544	426	20	0	80	1
0333	4116.2	6628.9	W12978.0	Y43603.6	53	50.9		835	307	528	214	55	0	45	4
0334	4119.0	6624.2	W12947.8	Y43614.4	332	53.6		20	7	13	5	90	0	10	6
0335	4129.1	6622.7	W12895.2	Y43663.2	11	51.4									
0336	4130.4	6622.5	W12888.3	Y43669.5	218	50.3		298	14	284	244	90	0	10	5
0337	4136.7	6624.8	W12866.5	Y43702.0	227	46.5	51.80	114	1	113	111	10	0	90	4
0338	4134.5	6628.0	W12888.8	Y43693.8	258	47.0		42	2	40	37	50	0	50	2
0339	4126.2	6628.8	W12931.2	Y43653.5	267	51.9	47.66	126	19	107	97	95	0	5	5
0340	4126.4	6633.0	W12945.8	Y43657.6	295	48.7		95	42	53	46	98	0	2	6
0341	4121.5	6636.5	W12981.9	Y43635.7	3	47.6		804	3	801	786	95	0	5	3
0342	4123.6	6636.7	W12972.8	Y43646.4	354	47.0	49.28	356	17	339	329	50	0	50	3
0343	4123.6	6642.8	W12995.9	Y43651.0	214	44.3		95	1	94	90	40	0	60	1
0344	4121.2	6644.7	W13014.4	Y43640.3	223	41.6		278	19	259	249	30	0	70	2
0345	4121.3	6651.2	W13039.1	Y43645.8	37	39.9	51.98	148	3	145	137	10	0	90	3
0346	4128.8	6642.7	W12971.0	Y43677.1	359	42.7		23	1	22	22	10	0	90	2
0347	4131.0	6642.9	W12961.3	Y43688.3	238	41.6		53	2	51	51	40	0	60	4
0348	4126.8	6652.9	W13019.9	Y43675.1	271	39.4	52.34	27	4	23	23	60	0	40	4
0349	4124.0	6702.3	W13070.3	Y43668.3	345	33.9		8	0	8	8	1	0	99	28
0350	4125.9	6702.5	W13062.2	Y43678.3	339	33.9		1	0	1	1	1	0	99	34
0351	4130.8	6704.0	W13044.9	Y43704.6	326	33.4	54.50	0	0	0	0	1	0	99	10
0352	4131.1	6715.0	W13088.2	Y43715.6	330	27.3		0	0	0	0	5	0	95	4
0353	4134.0	6712.7	W13064.8	Y43728.5	342	29.0		0	0	0	0	80	0	20	3
0354	4136.1	6703.0	W13015.3	Y43730.7	359	33.9	56.48	0	0	0	0	20	0	80	4
0355	4136.6	6656.5	W12987.1	Y43727.6	3	31.7		0	0	0	0	80	0	20	5
0356	4146.1	6627.0	W12828.7	Y43749.3	50	42.7		46	1	45	33	70	0	30	1
0357	4151.5	6620.7	W12779.2	Y43769.8	139	45.9	50.18	449	120	329	169	50	0	50	4
0358	4146.3	6621.6	W12808.2	Y43745.8	152	43.2		199	28	171	130	80	0	20	2
0359	4144.0	6605.9	W12764.3	Y43722.2	178	51.4		143	7	136	125	60	0	40	2
0360	4141.9	6556.3	W12741.9	Y43704.9	236	57.4	53.60	554	536	18	0	80	0	20	3

## ALBATROSS IV 2002 SEA SCALLOP SURVEY

July 17 - August 16

Station (Bask)	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.	
	Lat.	Long.			Depth (FM)	Temp (F)									
0361	4148.8	6558.5	W12715.8	Y43738.9	262	51.9		2189	1782	407	111	85	0	15	1
0362	4156.1	6605.0	W12701.6	Y43778.2	272	50.9		2024	1732	292	152	15	70	15	6
0363	4156.1	6618.6	W12748.7	Y43789.8	22	44.3	49.64	45	30	15	13	40	30	30	7
0364	4203.8	6611.1	W12683.6	Y43819.1	271	51.4		26906	26532	374	176	1	98	1	7
0365	4203.7	6620.0	W12715.0	Y43826.5	270	47.0									
0366	4203.6	6621.7	W12721.5	Y43827.6	89	47.0	46.94	769	595	174	110	9	90	1	18
0367	4201.3	6623.5	W12739.7	Y43818.5	231	47.6									
0368	4200.9	6623.1	W12740.3	Y43816.3	122	47.6		778	456	322	280	1	19	80	4
0369	4154.4	6632.2	W12806.3	Y43793.6	303	42.1	53.60								
0370	4155.0	6633.4	W12807.6	Y43797.5	190	41.6		63	4	59	51	10	80	10	2
0371	4159.4	6636.6	W12797.1	Y43821.4	24	43.2									
0372	4201.2	6635.7	W12784.5	Y43829.1	270	42.7		170	79	91	53	5	75	20	10
0373	4204.1	6632.8	W12758.9	Y43840.1	325	48.1		319	247	72	66	10	80	10	3
0374	4203.3	6634.2	W12768.2	Y43837.7	329	43.2	50.72	25	4	21	20	10	80	10	2
0375	4207.8	6646.3	W12789.9	Y43870.5	337	39.9		9	0	9	9	5	85	10	4
0376	4206.1	6646.7	W12800.3	Y43862.8	320	37.7		50	10	40	32	5	90	5	8
0377	4203.2	6648.5	W12822.2	Y43850.7	325	40.5	47.84	1184	251	933	764	60	35	5	19
0378	4205.8	6648.7	W12809.5	Y43863.3	6	38.3		542	92	450	414	60	30	10	13
0379	4206.4	6651.0	W12815.1	Y43868.4	3	37.7		381	13	368	328	80	10	10	7
0380	4209.5	6701.3	W12838.9	Y43893.6	135	50.3	44.24	97	9	88	74	70	20	10	2
* 0381	4206.0	6659.8	W12851.5	Y43875.3	178	33.9		1728	54	1674	1410	99	0	1	3
0382	4204.4	6703.1	W12872.9	Y43870.9	182	32.3		730	370	360	254	96	2	2	6
0383	4207.2	6703.5	W12859.8	Y43884.8	200	33.9	50.45	2655	144	2511	2196	98	1	1	8
0384	4208.5	6708.9	W12874.5	Y43896.6	303	46.5		226	5	221	189	20	60	20	3
0385	4206.3	6707.3	W12879.7	Y43884.3	275	30.6		3501	909	2592	2385	19	1	80	4
0386	4203.4	6708.0	W12897.7	Y43871.0	319	29.5	59.18	122	16	106	86	99	0	1	7
0387	4204.0	6708.7	W12897.4	Y43874.6	331	29.0		744	122	622	554	60	1	39	5
0388	4205.8	6712.4	W12903.0	Y43887.2	336	30.1		47	7	40	38	1	80	19	7
0389	4208.3	6712.8	W12891.4	Y43899.7	268	52.5		1627	5	1622	1622	4	1	95	4
0390	4208.2	6716.3	W12906.3	Y43902.9	279	53.0	44.06	333	12	321	300	30	0	70	5
0391	4201.5	6717.0	W12944.4	Y43870.9	147	24.6		554	210	344	316	85	0	15	21
0392	4159.2	6715.1	W12948.5	Y43857.6	150	26.8		35	5	30	25	20	0	80	7
0393	4200.0	6721.7	W12971.7	Y43868.3	166	28.4	60.26	83	57	26	17	95	0	5	5
0394	4201.3	6718.7	W12952.5	Y43871.6	176	25.2		414	58	356	326	25	50	25	15
0395	4206.6	6720.5	W12932.1	Y43899.5	241	40.5		35	28	7	6	90	0	10	2
0396	4207.0	6724.4	W12946.3	Y43905.6	215	56.9	46.22	86	46	40	39	2	0	98	4
0397	4205.8	6728.6	W12970.5	Y43904.2	224	51.4		61	15	46	39	1	1	98	6
0398	4203.7	6725.2	W12967.1	Y43890.3	272	29.5		482	208	274	57	1	98	1	9
0399	4203.4	6728.1	W12981.0	Y43891.9	275	31.2	54.86	80	40	40	17	40	58	2	6
0400	4158.6	6728.9	W13009.4	Y43868.8	348	23.0		193	120	73	58	65	30	5	12

ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Bask)	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.				
	Lat.	Long.			Depth (FM)	Temp (F)												
0401	4150.6	6724.1	W13030.0	Y43823.7	354	31.2					410	207	203	156	70	25	5	14
0402	4150.9	6739.0	W13092.4	Y43840.3	15	19.7	60.98				13	8	5	3	70	0	30	14
0403	4158.5	6736.7	W13043.5	Y43876.5	33	26.2					10	6	4	1	1	98	1	12
0404	4201.0	6735.6	W13025.7	Y43887.9	92	26.8					131	40	91	45	80	10	10	10
0405	4203.5	6736.7	W13017.4	Y43901.6	212	60.1	46.04				287	26	261	225	1	0	99	3
0406	4201.8	6738.3	W13033.3	Y43894.8	211	41.0					226	114	112	63	25	0	75	2
0407	4159.3	6744.0	W13071.3	Y43888.4	209	32.8					9	4	5	5	1	0	99	11
0408	4200.1	6746.9	W13080.1	Y43895.6	185	51.9	50.18				27	1	26	21	1	0	99	7
0409	4159.2	6748.5	W13091.9	Y43892.8	184	51.9					45	2	43	36	99	0	1	3
0410	4148.8	6748.9	W13146.8	Y43839.8	253	20.2												
0411	4148.6	6749.0	W13148.3	Y43838.9	257	20.2					22	2	20	17	95	1	4	5
0412	4151.4	6754.7	W13159.8	Y43859.5	285	30.6	56.66				9	5	4	3	1	0	99	6
0413	4151.5	6756.2	W13166.1	Y43861.6	298	32.3					332	253	79	7	5	0	95	1
0414	4151.3	6758.8	W13179.0	Y43863.4	287	35.0					117	61	56	12	25	0	75	1
0415	4153.5	6800.6	W13176.1	Y43876.8	232	55.2	43.70				13	6	7	5	2	0	98	7
0416	4151.1	6802.8	W13198.4	Y43866.7	209	44.8					39	6	33	30	2	0	98	2
0417	4148.7	6802.6	W13209.6	Y43853.9	270	30.6					99	12	87	78	5	0	95	3
0418	4148.5	6804.2	W13218.0	Y43854.6	258	33.4	47.12				102	5	97	85	10	0	90	4
0419	4148.5	6809.2	W13241.3	Y43860.0	251	43.7					94	1	93	92	1	0	99	6
0420	4146.3	6816.6	W13287.2	Y43856.5	240	49.2					1	1	0	0	1	0	99	0
0421	4144.0	6814.7	W13289.5	Y43842.0	224	29.5	53.78				96	43	53	47	45	0	55	3
0422	4143.7	6818.5	W13309.1	Y43844.6	224	38.8					18	1	17	15	55	0	45	1
0423	4141.7	6820.3	W13327.5	Y43835.7	184	31.7					12	2	10	10	1	0	99	1
0424	4141.8	6824.2	W13345.7	Y43840.6	225	50.3	44.60											
0425	4142.9	6823.8	W13338.4	Y43846.1	224	68.4					0	0	0	0	1	0	99	1
0426	4136.2	6830.3	W13402.4	Y43816.5	215	67.3												
0427	4135.5	6831.0	W13409.1	Y43813.4	67	66.2												
0428	4131.9	6834.0	W13440.8	Y43796.5	290	61.2					4	0	4	4	1	0	99	4
0429	4131.4	6828.6	W13416.9	Y43787.9	150	45.9	47.12				51	0	51	47	5	0	95	1
0430	4126.1	6824.3	W13420.9	Y43753.8	176	36.1					46	26	20	18	1	0	99	4
0431	4121.3	6826.6	W13454.0	Y43729.1	186	37.2					373	354	19	17	50	5	45	2
0432	4118.5	6826.8	W13467.7	Y43713.3	275	32.8	57.56				450	401	49	28	30	40	30	7
0433	4118.6	6828.5	W13475.4	Y43715.6	338	33.4					32	17	15	11	35	30	35	4
0434	4123.7	6830.7	W13462.8	Y43746.8	350	42.7												
0435	4124.8	6831.1	W13459.7	Y43753.4	180	45.9					382	28	354	348	50	0	50	2
0436	4127.8	6831.3	W13446.8	Y43770.6	174	50.3	45.32				424	47	377	218	20	0	80	2
0437	4126.7	6837.4	W13481.7	Y43770.7	178	51.9												
0438	4125.7	6837.4	W13486.3	Y43765.1	172	52.5					6	2	4	4	1	0	99	2
0439	4124.3	6842.6	W13518.4	Y43762.5	183	55.8					192	10	182	179	2	0	98	3
0440	4122.1	6841.0	W13520.5	Y43748.2	204	53.6	47.30				20	1	19	16	90	0	10	3

ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Bask)	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.	
	Lat.	Long.			Depth (FM)	Temp (F)									
0441	4119.3	6844.3	W13549.4	Y43735.4	238	51.4		22	1	21	18	95	0	5	2
0442	4119.3	6846.7	W13561.3	Y43737.8	218	56.9		57	4	53	50	98	0	2	8
0443	4119.1	6849.0	W13573.7	Y43739.1	213	62.9	43.52	0	0	0	0	1	98	1	13
0444	4119.0	6849.2	W13575.2	Y43738.7	232	64.0		1	0	1	1	3	95	2	13
0445	4116.0	6852.6	W13605.5	Y43724.6	170	56.9		79	3	76	76	80	0	20	1
0446	4113.4	6850.7	W13607.4	Y43707.3	184	52.5	46.76	36	0	36	36	2	0	98	5
0447	4113.3	6845.2	W13580.5	Y43701.3	161	38.8									
0448	4113.4	6844.6	W13577.1	Y43701.3	153	38.3		325	36	289	267	55	0	45	2
0449	4111.2	6842.6	W13576.8	Y43686.4	56	36.1		554	90	464	356	40	30	30	6
0450	4113.5	6836.8	W13538.4	Y43694.2	207	34.4		1092	39	1053	1027	55	0	45	3
0451	4108.9	6840.8	W13578.0	Y43671.2	135	33.9	57.92	1757	949	808	556	70	0	30	7
0452	4101.4	6842.6	W13618.9	Y43628.4	155	36.6		24	15	9	1	30	40	30	2
0453	4104.3	6846.9	W13627.7	Y43649.6	167	36.1		1192	43	1149	1045	30	30	40	2
0454	4107.1	6846.1	W13611.8	Y43665.5	182	41.0	58.28								
0455	4105.8	6845.9	W13616.4	Y43657.6	182	37.7		2889	72	2817	2673	80	0	20	6
0456	4110.0	6848.8	W13612.7	Y43685.3	218	47.0		254	15	239	237	15	0	85	2
0457	4109.1	6851.4	W13629.5	Y43682.5	233	47.6		16	0	16	16	2	0	98	11
0458	4111.4	6856.2	W13643.6	Y43700.9	241	57.4	44.42	119	1	118	118	1	0	99	1
0459	4111.0	6858.5	W13656.9	Y43700.8	182	55.2		346	1	345	344	20	0	80	1
C 0460	4111.0	6858.7	W13657.9	Y43701.0	166	54.7		576	180	396	378	40	30	30	1
C 0461	4106.1	6856.8	W13669.3	Y43669.7	189	50.9									
C 0462	4105.9	6857.9	W13675.6	Y43669.6	135	50.9		91	17	74	63	30	40	30	2
0463	4106.0	6858.0	W13675.7	Y43670.3	139	51.4									
0464	4105.2	6856.9	W13673.6	Y43664.4	323	48.1									
0465	4105.9	6900.7	W13689.7	Y43672.3	51	52.5	44.78	96	6	90	87	1	0	99	6
C 0466	4106.4	6859.6	W13682.1	Y43674.3	205	51.9		12	0	12	12	1	0	99	7
C 0467	4102.3	6900.8	W13705.3	Y43650.6	183	44.3		367	165	202	91	30	40	30	9
0468	4102.5	6900.5	W13703.0	Y43651.5	175	44.8									
0469	4102.8	6901.0	W13704.2	Y43653.8	170	44.3		41	30	11	4	20	70	10	1
0470	4102.2	6901.9	W13711.3	Y43651.0	201	42.7									
0471	4100.6	6903.2	W13724.4	Y43642.4	223	42.1		16	1	15	11	10	85	5	5
C 0472	4102.0	6908.3	W13744.5	Y43655.9	203	38.3	55.22	170	41	129	111	5	90	5	17
0473	4101.9	6908.3	W13745.0	Y43655.2	212	39.9		45	5	40	38	1	98	1	15
0474	4100.5	6911.9	W13769.1	Y43650.1	348	32.3		7	1	6	3	40	30	30	0
C 0475	4100.5	6912.0	W13769.6	Y43650.2	340	33.4		38	4	34	22	20	60	20	2
C 0476	4100.6	6914.6	W13782.5	Y43653.3	11	32.8		384	99	285	128	25	50	25	15
0477	4100.6	6914.7	W13783.0	Y43653.4	2	32.8		437	107	330	152	15	70	15	18
0478	4102.3	6917.0	W13788.0	Y43666.2	167	30.1	53.06	402	118	284	104	15	70	15	14
C 0479	4102.2	6917.0	W13788.4	Y43665.6	168	30.6		219	61	158	76	25	50	25	9
0480	4103.8	6921.0	W13802.6	Y43679.5	2	26.2		2	1	1	1	5	0	95	8





ALBATROSS IV 2002 SEA SCALLOP SURVEY  
July 17 - August 16

Station (Basket)	Station Data				Bottom				Number of Scallops			Trash By-Catch			
	Position		Loran TD's	heading	Depth (FM)	Temp (F)	Total No.	<90mm >40ct	>90mm <40ct	>100mm >30ct	Shell	Stone (Percentage)	Inverts	Total Vol.	
	Lat.	Long.													
0521	4136.1	6934.2	W13734.0	Y43891.6	141	35.0	928	236	692	184	95	0	5	3	
0522	4136.4	6937.5	W13750.8	Y43897.6	158	32.3									
0523	4136.8	6936.4	W13742.9	Y43898.6	198	35.5	681	183	498	177	90	0	10	3	
0524	4135.0	6937.2	W13755.4	Y43888.9	212	27.3	396	148	248	158	90	2	8	3	
0525	4136.6	6938.4	W13754.8	Y43900.0	197	31.7	489	159	330	177	90	1	9	3	
0526	4141.4	6945.0	W13769.7	Y43937.4	204	33.4	76	22	54	46	7	90	3	13	
0527	4141.8	6946.5	W13776.3	Y43941.8	218	30.6	7	0	7	6	3	95	2	10	
0528	4145.6	6946.3	W13757.7	Y43964.1	7	50.3	77	19	58	51	90	5	5	2	
0529	4148.8	6950.1	W13764.3	Y43988.3	351	42.7	31	2	29	29	95	2	3	4	
0530	4151.0	6947.0	W13736.3	Y43996.8	338	65.1	18	2	16	14	99	0	1	6	
0531	4158.4	6948.7	W13710.6	Y44042.2	320	58.5	0	0	0	0	98	1	1	7	
0532	4200.7	6954.0	W13729.9	Y44063.3	324	38.3	1	0	1	1	5	90	5	13	
0533	4155.5	6952.4	W13745.8	Y44030.8	345	30.6	13	0	13	13	5	90	5	6	
0534	4150.9	6951.0	W13759.6	Y44002.0	350	31.7									
0535	4146.9	6950.7	W13776.6	Y43978.0	173	35.5	47	7	40	29	20	60	20	6	
Total							254051	128751	130206	84559					

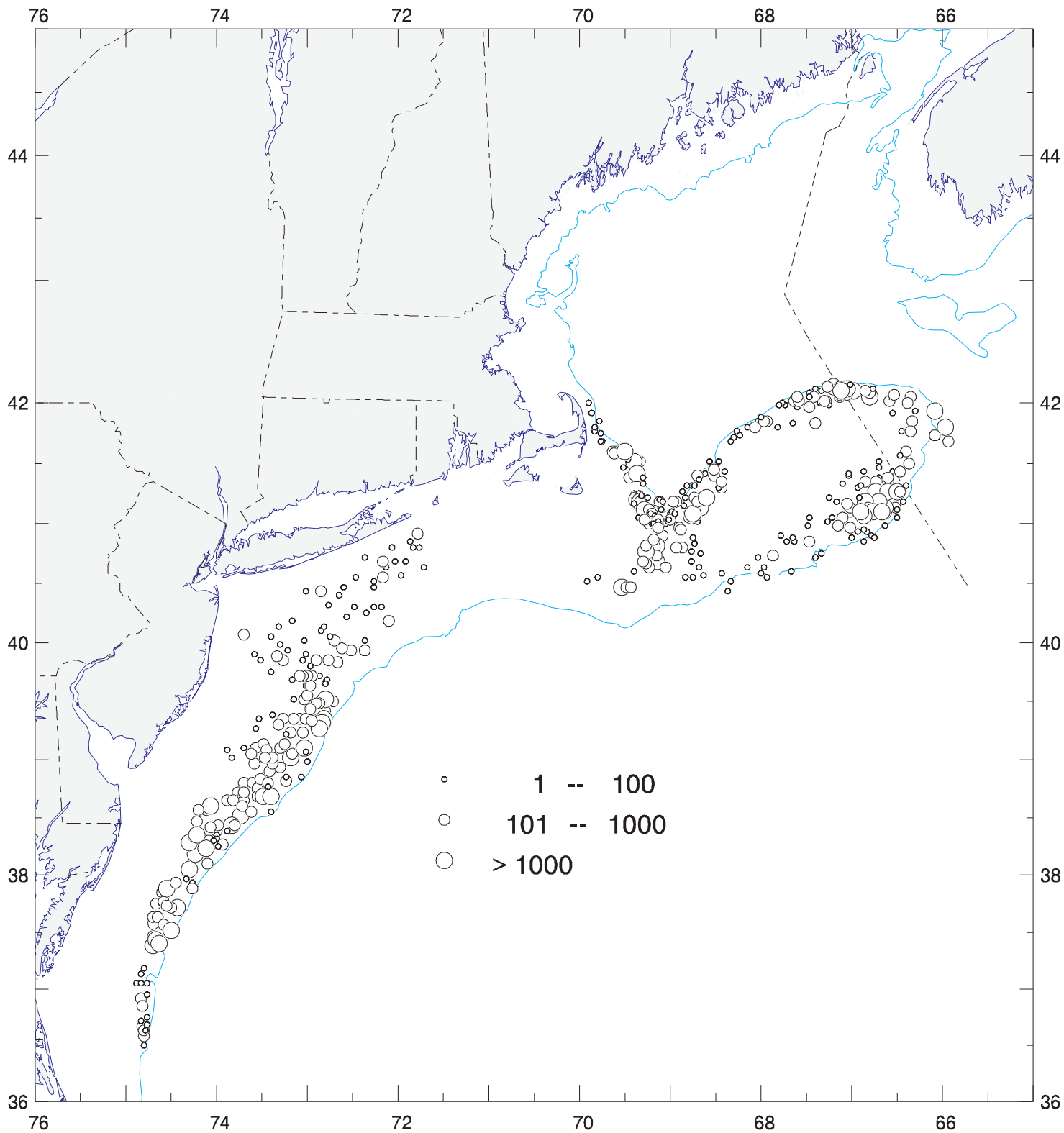
\* Indicates non-random stations.

C Indicates equipment comparison tows for special non-survey experiment.

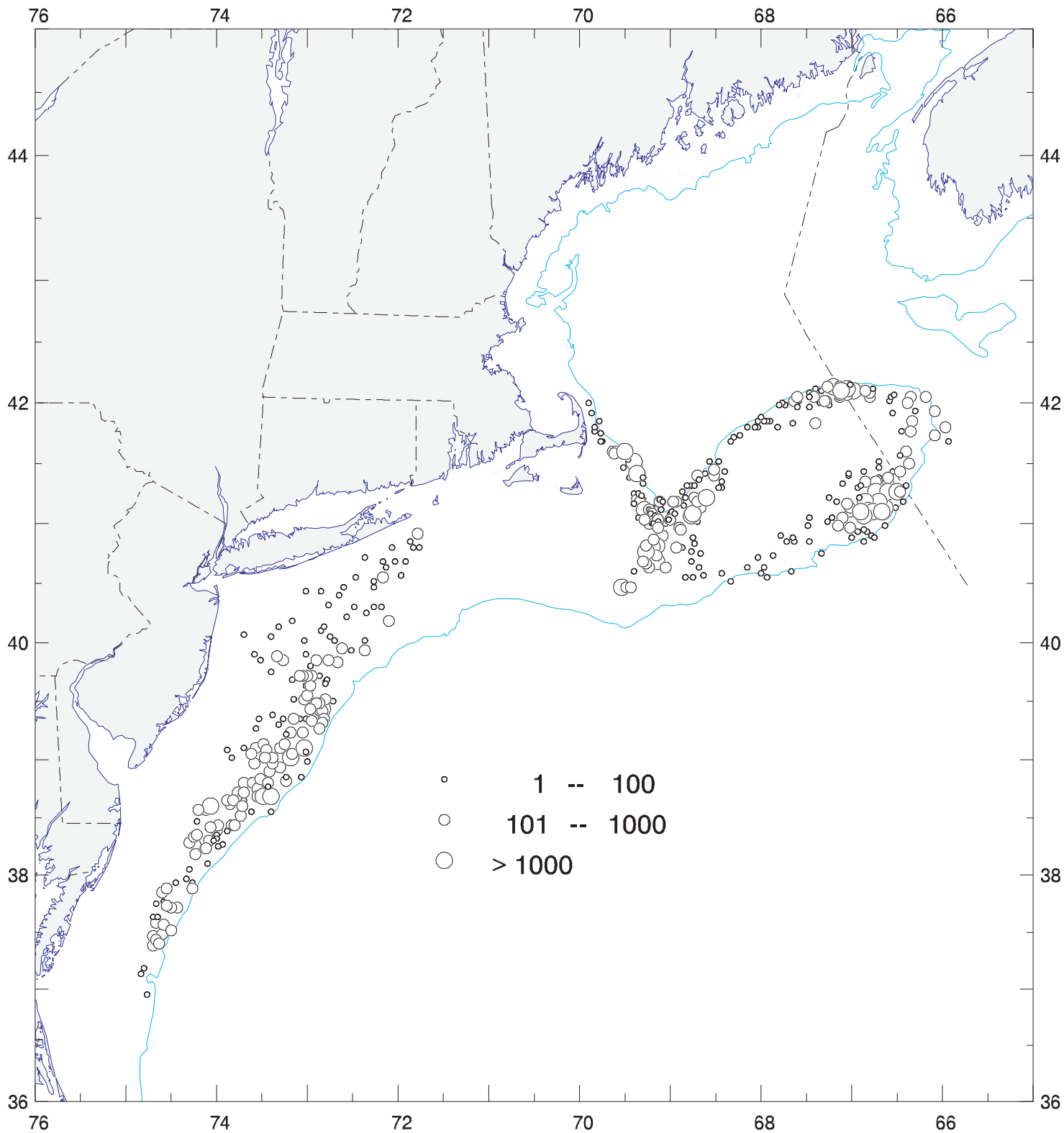
Stations with no scallop or trash data are stations where the dredge either flipped or hung-up.

Total Volume of By-Catch is in baskets (1 basket = 1.3 bushels)

NEFSC SCALLOP SURVEY - 2002  
SEA SCALLOPS - Number/Tow  
Total Number



NEFSC SCALLOP SURVEY - 2002  
SEA SCALLOPS - Number/Tow  
Greater Than 90 mm



NEFSC SCALLOP SURVEY - 2002  
SEA SCALLOPS - Number/Tow  
Less Than 90 mm

