

1998 Stock Assessment Survey Catch Data

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**	
			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4001	7/15/98	57° 50.00'	137° 13.15' W	163	6.7	832	8	108	158
3A	4002	7/15/98	58° 00.00'	136° 54.05' W	224	6.6	124	0	192	24
3A	4003	7/28/98	58° 00.02'	137° 12.17' W	118	6.8	749	83	72	60
3A	4004	7/28/98	58° 00.01'	137° 31.10' W	90	6.7	2,162	333	13	139
3A	4005	7/28/98	58° 00.00'	137° 50.09' W	100	6.7	1,506	216	66	62
3A	4006	6/29/98	58° 10.01'	136° 54.99' W	105	6.8	2,545	127	47	0
3A	4007	6/29/98	58° 10.00'	137° 10.94' W	67	6.8	1,668	100	0	21
3A	4008	7/09/98	58° 10.00'	137° 30.11' W	77	6.7	1,260	244	0	0
3A	4009	7/09/98	58° 10.02'	137° 49.06' W	83	6.7	596	18	0	0
3A	4010	7/09/98	58° 10.02'	138° 08.29' W	87	6.7	1,937	988	4	0
3A	4011	7/08/98	58° 09.98'	138° 27.06' W	87	6.7	1,473	208	0	58
3A	4012	7/07/98	58° 10.01'	138° 45.92' W	102	6.7	3,688	764	0	120
3A	4013	6/29/98	58° 20.03'	137° 10.02' W	93	6.7	15	11	0	0
3A	4014	7/04/98	58° 20.01'	137° 28.98' W	101	6.8	51	0	0	0
3A	4015	7/04/98	58° 20.01'	137° 48.09' W	94	6.7	140	0	0	0
3A	4016	7/07/98	58° 20.00'	138° 06.91' W	70	6.7	809	410	0	0
3A	4017	7/07/98	58° 20.04'	138° 26.05' W	70	6.7	972	421	4	0
3A	4018	7/07/98	58° 20.01'	138° 42.05' W	58	5.1	1,951	606	0	91
3A	4019	7/07/98	58° 20.02'	139° 05.17' W	61	6.7	1,771	267	0	108
3A	4020	7/07/98	58° 20.00'	139° 21.69' W	149	6.7	2,421	35	88	13
3A	4021	7/04/98	58° 30.00'	137° 27.99' W	39	6.8	17	0	0	0
3A	4022	7/04/98	58° 30.01'	137° 47.02' W	85	6.7	16	0	0	0
3A	4023	7/05/98	58° 30.01'	138° 07.08' W	73	6.8	610	50	0	0
3A	4024	7/05/98	58° 30.04'	138° 25.84' W	64	6.7	1,763	559	0	21
3A	4025	7/06/98	58° 30.00'	138° 44.97' W	52	6.7	1,378	172	0	63
3A	4026	7/06/98	58° 30.01'	139° 04.13' W	56	6.7	1,064	787	0	0
3A	4027	6/28/98	58° 30.02'	139° 22.98' W	90	6.8	2,737	1146	0	38
3A	4028	6/28/98	58° 30.02'	139° 45.92' W	135	6.7	1,468	80	166	4
3A	4029	7/05/98	58° 40.02'	138° 05.99' W	51	6.8	911	56	0	30
3A	4030	7/05/98	58° 40.02'	138° 24.91' W	73	6.8	228	24	0	0
3A	4031	7/06/98	58° 40.00'	138° 44.02' W	54	6.8	2,713	183	0	13
3A	4032	7/06/98	58° 39.99'	139° 03.84' W	80	6.7	508	97	0	0
3A	4033	6/28/98	58° 40.03'	139° 22.98' W	139	6.7	1,298	30	269	0
3A	4034	6/27/98	58° 39.98'	139° 42.19' W	101	6.7	1,619	145	25	0
3A	4035	6/27/98	58° 40.02'	140° 00.98' W	104	6.8	3,677	514	9	0
3A	4036	6/24/98	58° 50.00'	138° 05.01' W	28	6.7	66	32	0	0
3A	4037	6/24/98	58° 50.02'	138° 24.14' W	39	6.7	1,360	26	0	21
3A	4038	6/25/98	58° 50.00'	138° 44.14' W	65	6.7	1,055	520	0	0
3A	4039	6/25/98	58° 50.00'	139° 02.52' W	105	6.7	56	0	0	0
3A	4040	6/26/98	58° 50.00'	139° 22.00' W	75	6.7	1,056	94	0	4
3A	4041	6/26/98	58° 50.00'	139° 42.38' W	88	7.6	2,098	216	0	0
3A	4042	6/27/98	58° 50.03'	140° 00.92' W	95	6.7	2,427	315	13	4
3A	4043	6/24/98	59° 00.02'	138° 24.02' W	33	6.6	183	50	0	0
3A	4044	6/25/98	59° 00.01'	138° 43.08' W	87	6.7	136	10	0	0
3A	4045	6/25/98	59° 00.01'	139° 02.10' W	57	6.8	54	14	0	0
3A	4046	6/26/98	59° 00.01'	139° 22.03' W	60	6.7	171	20	0	0
3A	4047	6/26/98	59° 00.01'	139° 41.14' W	66	6.8	1,211	249	0	0
3A	4048	6/23/98	59° 10.01'	139° 02.04' W	29	6.7	0	0	0	0
3A	4049	6/23/98	59° 10.00'	139° 21.05' W	54	6.7	32	7	0	0

*Standard Skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

**Bycatch numbers extrapolated from 20-25% sample.

1998 Stock Assessment Survey Catch Data

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**	
			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4050	Station Deleted								
3A	4051	6/17/98	58° 50.00'	140° 20.02' W	101	6.7	2,221	263	4	0
3A	4052	6/07/98	58° 50.00'	140° 40.04' W	106	6.7	1,175	132	8	4
3A	4053	6/17/98	59° 00.00'	140° 00.96' W	72	6.7	2,958	563	0	13
3A	4054	6/17/98	59° 00.00'	140° 20.04' W	84	5.9	2,260	305	0	24
3A	4055	6/07/98	59° 00.00'	140° 39.13' W	98	6.6	1,490	265	4	0
3A	4056	6/07/98	59° 00.02'	140° 59.07' W	106	6.5	2,465	317	4	4
3A	4057	6/16/98	59° 10.03'	139° 41.05' W	69	6.7	566	198	0	0
3A	4058	6/16/98	59° 10.00'	140° 01.12' W	63	6.6	957	791	0	0
3A	4059	6/15/98	59° 10.00'	140° 19.96' W	71	6.6	1,838	454	4	0
3A	4060	6/15/98	59° 10.01'	140° 39.00' W	82	6.7	2,075	454	0	0
3A	4061	6/08/98	59° 10.01'	140° 59.07' W	98	6.7	2,842	292	34	0
3A	4062	6/08/98	59° 10.00'	141° 18.05' W	185	6.7	2,200	0	172	8
3A	4063	6/09/98	59° 10.00'	141° 38.07' W	125	6.6	2,425	79	70	8
3A	4064	6/16/98	59° 20.00'	139° 39.95' W	86	6.6	78	0	0	0
3A	4065	6/16/98	59° 20.00'	140° 00.05' W	90	6.7	109	0	0	0
3A	4066	6/15/98	59° 20.01'	140° 20.05' W	71	6.8	2,355	280	0	0
3A	4067	6/15/98	59° 20.00'	140° 39.08' W	79	6.7	545	68	4	0
3A	4068	6/08/98	59° 20.02'	140° 59.08' W	86	6.6	2,459	514	16	0
3A	4069	6/08/98	59° 20.02'	141° 18.07' W	180	6.9	2,518	10	163	4
3A	4070	6/09/98	59° 20.00'	141° 38.09' W	102	6.7	1,852	79	12	0
3A	4071	6/09/98	59° 20.01'	141° 57.97' W	117	6.6	1,953	138	49	0
3A	4072	6/13/98	59° 30.02'	140° 00.00' W	60	6.7	0	0	0	0
3A	4073	6/13/98	59° 30.00'	140° 18.94' W	124	6.7	1,970	12	54	0
3A	4074	6/13/98	59° 30.01'	140° 39.02' W	152	6.7	1,780	5	55	13
3A	4075	6/11/98	59° 30.01'	140° 58.95' W	160	6.7	1,653	28	83	17
3A	4076	6/11/98	59° 30.01'	141° 19.07' W	90	6.7	250	0	0	0
3A	4077	6/10/98	59° 30.00'	141° 37.95' W	88	6.7	107	9	0	0
3A	4078	6/10/98	59° 30.00'	141° 58.08' W	97	6.9	1,504	98	0	0
3A	4079	6/13/98	59° 40.00'	139° 59.00' W	73	6.8	829	18	9	0
3A	4080	6/11/98	59° 40.00'	140° 59.02' W	29	6.8	0	9	0	0
3A	4081	6/11/98	59° 40.00'	141° 19.11' W	36	6.7	173	88	0	0
3A	4082	6/10/98	59° 40.00'	141° 38.05' W	51	6.7	85	29	0	0
3A	4083	6/10/98	59° 40.00'	141° 58.04' W	80	6.7	86	7	0	0
3A	4084	6/05/98	59° 40.01'	142° 18.00' W	117	6.8	404	8	4	4
3A	4085	6/05/98	59° 40.00'	142° 38.05' W	207	6.7	972	20	206	29
3A	4086	6/03/98	59° 39.99'	142° 57.97' W	111	6.7	4,911	135	17	0
3A	4087	6/03/98	59° 40.00'	143° 16.86' W	146	6.7	3,981	36	63	21
3A	4088	6/02/98	59° 40.00'	143° 37.00' W	88	6.6	4,156	62	0	16
3A	4089	6/02/98	59° 40.00'	143° 57.11' W	70	6.6	4,654	189	0	8
3A	4090	6/01/98	59° 40.01'	144° 17.47' W	87	6.7	758	60	0	0
3A	4091	6/01/98	59° 40.00'	144° 37.45' W	80	6.8	540	9	0	0
3A	4092	6/05/98	59° 50.00'	141° 58.91' W	38	6.8	11	0	0	0
3A	4093	6/05/98	59° 50.00'	142° 18.00' W	49	6.8	453	50	0	0
3A	4094	6/04/98	59° 50.00'	142° 38.05' W	85	6.7	581	9	0	0
3A	4095	6/03/98	59° 50.02'	142° 58.01' W	93	6.7	0	0	0	0
3A	4096	6/03/98	59° 50.01'	143° 18.03' W	114	6.8	42	0	0	0
3A	4097	6/02/98	59° 50.00'	143° 37.90' W	155	6.7	1,241	9	84	0
3A	4098	6/02/98	59° 50.02'	143° 58.02' W	52	6.7	309	4	0	0

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			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4099	6/01/98	59° 50.02'	144° 17.98' W	35	6.6	273	0	0	0
3A	4100	6/04/98	60° 00.00'	142° 38.95' W	44	6.7	485	0	0	0
3A	4101	6/04/98	60° 00.00'	142° 58.97' W	62	6.7	70	0	0	0
3A	4102	7/24/98	59° 19.96'	146° 16.09' W	166	6.7	1,736	48	43	19
3A	4103	7/24/98	59° 19.90'	146° 35.00' W	79	6.8	2,223	57	5	15
3A	4104	7/23/98	59° 19.94'	146° 54.98' W	105	6.8	698	0	10	0
3A	4105	7/23/98	59° 19.94'	147° 15.38' W	102	6.7	1,198	71	10	0
3A	4106	8/01/98	59° 30.07'	145° 15.98' W	79	6.7	2,398	85	0	67
3A	4107	7/25/98	59° 30.02'	145° 55.31' W	97	6.8	2,674	64	0	0
3A	4108	7/24/98	59° 29.96'	146° 34.92' W	49	6.7	2,207	121	0	10
3A	4109	7/23/98	59° 30.07'	146° 53.95' W	99	6.7	238	0	0	0
3A	4110	7/22/98	59° 30.12'	147° 14.40' W	117	6.9	552	24	29	10
3A	4111	7/22/98	59° 29.87'	147° 34.95' W	56	6.7	850	29	0	0
3A	4112	8/01/98	59° 40.08'	145° 33.97' W	58	6.7	70	28	0	0
3A	4113	7/25/98	59° 39.92'	145° 54.11' W	46	6.7	2,555	1293	0	0
3A	4114	7/25/98	59° 39.94'	146° 14.04' W	45	6.7	806	284	0	0
3A	4115	7/30/98	59° 40.06'	146° 33.91' W	48	6.7	4,734	780	0	48
3A	4116	7/30/98	59° 39.93'	146° 53.06' W	61	6.9	118	21	0	0
3A	4117	7/29/98	59° 39.93'	147° 12.99' W	102	6.7	1,564	48	5	0
3A	4118	7/29/98	59° 39.97'	147° 33.05' W	66	6.7	414	55	0	0
3A	4119	8/02/98	59° 49.96'	144° 58.09' W	107	6.7	1,630	97	34	0
3A	4120	7/31/98	59° 49.97'	145° 52.97' W	57	6.7	65	7	0	0
3A	4121	7/31/98	59° 50.08'	146° 12.98' W	34	6.7	792	44	0	0
3A	4122	7/30/98	59° 50.04'	146° 32.98' W	39	6.7	3,249	1147	0	0
3A	4123	7/28/98	59° 49.86'	146° 52.99' W	42	6.8	365	168	0	0
3A	4124	7/29/98	59° 49.92'	147° 13.11' W	85	6.7	135	18	0	0
3A	4125	8/02/98	60° 00.02'	144° 38.95' W	124	6.7	2,719	36	43	0
3A	4126	8/02/98	60° 00.02'	144° 58.98' W	72	6.7	79	0	0	0
3A	4127	8/03/98	60° 00.03'	145° 18.93' W	65	6.8	311	36	0	0
3A	4128	7/31/98	60° 00.09'	146° 12.06' W	34	6.7	1,456	100	0	5
3A	4129	8/04/98	59° 59.97'	146° 31.99' W	36	6.7	1,033	1163	0	0
3A	4130	7/28/98	59° 59.94'	146° 51.96' W	82	6.7	67	8	0	0
3A	4131	7/28/98	59° 59.94'	147° 12.04' W	103	6.7	350	20	38	0
3A	4132	8/03/98	60° 10.05'	145° 30.98' W	46	6.7	563	142	0	0
3A	4133	8/03/98	60° 10.00'	145° 50.95' W	58	6.6	530	34	0	0
3A	4134	8/04/98	60° 09.92'	146° 10.91' W	47	6.7	1,786	314	0	0
3A	4135	8/10/98	60° 10.00'	147° 31.13' W	36	6.6	2,506	467	0	5
3A	4136	8/11/98	60° 09.96'	147° 50.87' W	174	6.7	1,322	76	5	10
3A	4137	8/10/98	60° 19.79'	147° 30.95' W	68	6.7	5,478	71	0	43
3A	4138	8/08/98	60° 30.20'	146° 28.95' W	37	6.7	251	83	0	0
3A	4139	8/08/98	60° 30.05'	146° 49.03' W	217	6.7	2,265	58	63	5
3A	4140	8/09/98	60° 30.07'	147° 09.96' W	97	6.7	2,485	133	24	0
3A	4141	8/10/98	60° 29.88'	147° 29.97' W	107	6.8	1,102	87	10	5
3A	4142	8/11/98	60° 29.20'	147° 50.12' W	267	6.7	1,446	9	71	24
3A	4143	8/08/98	60° 40.05'	146° 48.93' W	225	6.6	2,629	36	61	9
3A	4144	8/09/98	60° 40.02'	147° 09.02' W	137	6.7	2,620	52	43	10
3A	4145	8/09/98	60° 50.03'	147° 08.09' W	187	6.8	3,646	124	0	5
3A	4146	8/07/98	60° 50.02'	148° 10.12' W	152	6.7	734	16	0	14
3A	4147	7/09/98	58° 39.94'	148° 34.03' W	129	6.7	177	0	175	0

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**Bycatch numbers extrapolated from 20-25% sample.

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			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4148	7/09/98	58° 39.94'	148° 53.03' W	87	6.4	153	13	116	0
3A	4149	7/17/98	58° 50.04'	148° 15.01' W	155	6.5	3,762	78	70	5
3A	4150	7/17/98	58° 49.97'	148° 34.48' W	162	6.4	4,159	31	125	0
3A	4151	7/09/98	58° 50.04'	148° 52.78' W	142	6.5	2,208	8	170	0
3A	4152	7/08/98	58° 49.95'	149° 11.99' W	111	6.6	802	0	197	0
3A	4153	7/16/98	59° 00.08'	147° 55.20' W	237	6.3	652	0	198	4
3A	4154	7/17/98	59° 00.27'	148° 14.07' W	115	6.4	1,840	0	12	0
3A	4155	7/18/98	59° 00.27'	148° 34.17' W	134	6.4	929	0	84	0
3A	4156	7/18/98	58° 59.90'	148° 53.03' W	115	6.4	558	18	76	0
3A	4157	7/08/98	59° 00.00'	149° 12.00' W	127	6.5	901	47	85	0
3A	4158	7/08/98	59° 00.16'	149° 32.06' W	127	6.5	604	9	45	0
3A	4159	7/16/98	59° 09.95'	147° 34.70' W	149	6.5	3,322	0	65	12
3A	4160	7/16/98	59° 10.00'	147° 54.01' W	111	6.5	1,968	66	19	0
3A	4161	7/26/98	59° 09.46'	148° 14.02' W	67	6.4	7,326	268	0	48
3A	4162	7/18/98	59° 10.08'	148° 32.96' W	85	6.4	1,481	43	4	0
3A	4163	7/24/98	59° 10.01'	148° 53.03' W	98	6.5	1,556	17	20	0
3A	4164	7/24/98	59° 09.90'	149° 12.13' W	83	6.4	2,462	82	36	0
3A	4165	7/07/98	59° 10.00'	149° 32.05' W	88	6.5	1,491	38	12	0
3A	4166	7/07/98	59° 10.05'	149° 51.00' W	73	6.3	932	208	18	5
3A	4167	7/15/98	59° 19.95'	147° 32.53' W	69	6.3	3,980	335	4	12
3A	4168	7/15/98	59° 19.91'	147° 53.93' W	102	6.4	611	5	28	4
3A	4169	7/26/98	59° 19.92'	148° 13.02' W	88	6.4	2,407	134	4	0
3A	4170	7/25/98	59° 19.96'	148° 32.99' W	50	6.5	3,834	433	0	12
3A	4171	7/25/98	59° 20.14'	148° 53.03' W	93	6.5	1,684	18	24	0
3A	4172	7/24/98	59° 19.90'	149° 11.92' W	102	6.4	1,588	42	68	0
3A	4173	7/07/98	59° 19.80'	149° 32.05' W	67	6.3	1,072	150	4	0
3A	4174	7/06/98	59° 20.05'	149° 51.02' W	102	6.3	1,201	48	20	0
3A	4175	7/06/98	59° 20.04'	150° 11.03' W	90	6.5	1,172	26	0	0
3A	4176	7/15/98	59° 29.81'	147° 52.98' W	65	6.3	3,717	163	0	0
3A	4177	7/26/98	59° 29.95'	148° 13.01' W	114	6.4	1,369	30	24	0
3A	4178	7/25/98	59° 30.04'	148° 32.99' W	52	6.4	1,233	1178	0	0
3A	4179	7/23/98	59° 29.96'	148° 52.16' W	93	6.6	1,198	107	0	0
3A	4180	7/23/98	59° 30.03'	149° 12.05' W	126	6.4	602	6	52	0
3A	4181	7/05/98	59° 30.06'	149° 32.42' W	58	6.4	1,361	593	0	0
3A	4182	7/05/98	59° 30.01'	149° 52.08' W	112	6.4	1,120	28	17	0
3A	4183	7/06/98	59° 29.94'	150° 10.94' W	57	6.2	1,269	65	0	12
3A	4184	7/14/98	59° 39.96'	147° 53.08' W	38	4.8	3,837	108	0	11
3A	4185	7/14/98	59° 39.95'	148° 11.95' W	64	6.5	392	150	4	0
3A	4186	7/13/98	59° 39.88'	148° 31.99' W	114	6.5	768	19	49	4
3A	4187	7/23/98	59° 39.78'	148° 52.05' W	98	6.3	558	48	20	0
3A	4188	7/04/98	59° 40.05'	149° 12.09' W	115	6.3	638	7	20	0
3A	4189	7/05/98	59° 40.05'	149° 32.16' W	160	6.3	673	9	59	0
3A	4190	7/14/98	59° 49.92'	148° 11.93' W	61	6.3	549	144	0	0
3A	4191	7/13/98	59° 49.84'	148° 31.98' W	76	6.5	18	0	0	0
3A	4192	7/13/98	59° 50.00'	148° 52.00' W	95	6.3	89	0	36	0
3A	4193	7/04/98	59° 49.95'	149° 11.96' W	75	6.5	471	18	0	0
3A	4194	7/04/98	59° 49.98'	149° 31.99' W	89	6.1	177	30	0	0
3A	4195	8/15/98	58° 00.20'	149° 13.25' W	79	6.7	7,597	787	0	55
3A	4196	8/15/98	58° 09.73'	148° 54.05' W	73	6.7	4,636	799	0	0

*Standard Skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

**Bycatch numbers extrapolated from 20-25% sample.

1998 Stock Assessment Survey Catch Data

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**	
			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4197	8/15/98	58° 10.18'	149° 12.98' W	63	6.7	3,122	1389	0	29
3A	4198	8/22/98	58° 09.48'	149° 32.17' W	65	6.7	2,397	1461	0	0
3A	4199	8/22/98	58° 09.59'	149° 51.73' W	87	6.7	2,960	1289	17	0
3A	4200	8/13/98	58° 20.07'	148° 35.34' W	101	6.6	3,307	127	131	0
3A	4201	8/13/98	58° 20.22'	148° 53.66' W	70	6.7	4,183	1085	0	0
3A	4202	8/14/98	58° 20.09'	149° 13.13' W	85	6.7	4,495	362	12	0
3A	4203	8/22/98	58° 19.70'	149° 32.40' W	81	6.9	4,904	572	4	0
3A	4204	8/23/98	58° 19.66'	149° 50.48' W	42	6.7	2,934	2334	0	0
3A	4205	8/21/98	58° 20.01'	150° 09.84' W	28	6.7	2,420	677	0	0
3A	4206	8/21/98	58° 20.66'	150° 29.26' W	30	6.7	886	462	0	0
3A	4207	8/13/98	58° 29.79'	148° 33.86' W	84	6.7	5,262	734	12	0
3A	4208	8/14/98	58° 30.05'	148° 53.67' W	62	6.6	4,093	857	0	8
3A	4209	8/14/98	58° 30.13'	149° 12.84' W	64	6.6	4,082	642	0	0
3A	4210	8/19/98	58° 29.93'	149° 31.47' W	78	6.7	4,230	121	12	0
3A	4211	8/26/98	58° 29.79'	149° 50.83' W	75	6.6	1,600	290	41	0
3A	4212	8/26/98	58° 30.11'	150° 09.68' W	51	6.7	2,577	676	0	4
3A	4213	8/20/98	58° 29.87'	150° 28.98' W	47	6.7	1,046	1316	0	0
3A	4214	8/21/98	58° 29.87'	150° 47.98' W	56	6.7	2,214	574	8	0
3A	4215	8/19/98	58° 39.79'	149° 12.38' W	76	6.7	2,356	201	54	25
3A	4216	8/19/98	58° 39.91'	149° 31.78' W	71	6.7	4,294	355	66	0
3A	4217	8/27/98	58° 40.00'	149° 51.12' W	84	6.7	2,023	379	46	0
3A	4218	8/27/98	58° 40.20'	150° 09.96' W	69	6.7	3,806	691	0	0
3A	4219	8/20/98	58° 40.00'	150° 28.54' W	108	6.7	555	126	100	0
3A	4220	8/20/98	58° 39.77'	150° 48.75' W	111	6.7	1,672	53	145	0
3A	4221	9/04/98	58° 39.92'	151° 07.43' W	102	6.7	1,309	203	99	0
3A	4222	8/16/98	58° 50.36'	149° 32.34' W	123	6.7	810	10	168	0
3A	4223	8/16/98	58° 49.91'	149° 51.87' W	128	6.7	1,845	29	187	0
3A	4224	8/27/98	58° 49.83'	150° 09.97' W	90	6.7	3,637	69	147	0
3A	4225	9/07/98	58° 50.21'	150° 30.31' W	94	6.7	3,554	253	66	0
3A	4226	9/07/98	58° 50.01'	150° 48.64' W	98	6.7	2,498	218	38	0
3A	4227	9/04/98	58° 50.06'	151° 07.35' W	76	6.7	5,640	504	17	0
3A	4228	9/04/98	58° 49.77'	151° 27.53' W	58	6.7	2,119	1081	0	4
3A	4229	8/16/98	58° 59.91'	149° 51.19' W	122	6.7	535	38	193	0
3A	4230	9/08/98	59° 00.09'	150° 11.32' W	104	6.7	751	41	191	0
3A	4231	9/08/98	58° 59.88'	150° 30.02' W	67	6.6	2,099	1197	0	0
3A	4232	9/07/98	59° 00.02'	150° 49.94' W	87	6.7	2,987	433	4	0
3A	4233	9/03/98	58° 59.83'	151° 09.05' W	77	6.7	2,750	450	4	0
3A	4234	9/03/98	58° 59.64'	151° 28.13' W	67	6.6	3,191	777	0	4
3A	4235	9/08/98	59° 10.00'	150° 11.02' W	68	6.4	2,270	570	0	0
3A	4236	9/09/98	59° 10.06'	150° 30.07' W	71	6.7	2,716	425	0	0
3A	4237	9/09/98	59° 10.12'	150° 50.12' W	64	6.7	2,465	749	0	21
3A	4238	9/03/98	59° 10.03'	151° 08.96' W	32	4.2	2,774	376	0	0
3A	4239	9/09/98	59° 19.96'	150° 31.12' W	130	4.2	1,226	24	27	0
3A	4240	7/29/98	57° 20.04'	150° 46.34' W	88	6.8	1,781	96	6	0
3A	4241	7/28/98	57° 30.39'	150° 09.14' W	231	6.8	254	0	44	5
3A	4242	7/29/98	57° 30.01'	150° 28.35' W	83	7.1	1,095	51	5	0
3A	4243	7/30/98	57° 29.96'	150° 45.97' W	53	7.0	1,150	127	0	0
3A	4244	7/28/98	57° 40.30'	149° 50.19' W	212	7.0	649	10	15	5
3A	4245	7/28/98	57° 40.05'	150° 09.51' W	111	6.9	3,220	43	0	0

*Standard Skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

**Bycatch numbers extrapolated from 20-25% sample.

1998 Stock Assessment Survey Catch Data

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**	
			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4246	7/30/98	57° 40.00'	150° 27.80' W	53	6.9	1,080	648	0	0
3A	4247	7/30/98	57° 40.04'	150° 47.00' W	46	7.0	3,149	309	0	0
3A	4248	7/23/98	57° 40.03'	151° 04.78' W	41	7.0	895	194	0	0
3A	4249	7/23/98	57° 40.01'	151° 23.77' W	36	7.0	1,405	277	0	0
3A	4250	7/27/98	57° 49.80'	149° 32.53' W	209	7.0	2,604	0	76	0
3A	4251	7/26/98	57° 50.02'	149° 50.13' W	140	7.0	1,658	36	25	0
3A	4252	7/26/98	57° 49.93'	150° 09.04' W	109	7.0	2,788	119	0	0
3A	4253	7/24/98	57° 50.06'	150° 27.88' W	51	6.9	5,215	330	0	0
3A	4254	7/24/98	57° 49.95'	150° 46.48' W	46	7.0	2,013	390	0	0
3A	4255	7/23/98	57° 50.01'	151° 05.80' W	37	7.0	1,837	469	0	0
3A	4256	8/04/98	57° 49.84'	151° 23.81' W	29	7.0	998	269	0	0
3A	4257	8/04/98	57° 50.00'	151° 42.93' W	28	7.0	469	36	0	0
3A	4258	8/06/98	57° 49.97'	152° 02.08' W	47	6.9	1,046	101	0	0
3A	4259	7/27/98	58° 00.00'	149° 31.86' W	81	7.0	2,143	126	5	0
3A	4260	7/27/98	57° 59.94'	149° 51.12' W	127	7.0	1,644	29	85	0
3A	4261	7/26/98	58° 00.09'	150° 09.09' W	126	7.0	1,261	135	25	0
3A	4262	7/25/98	57° 59.98'	150° 27.77' W	91	7.0	772	248	15	0
3A	4263	7/24/98	57° 59.93'	150° 46.97' W	69	7.0	2,728	157	0	0
3A	4264	8/09/98	57° 59.92'	151° 05.94' W	45	6.9	3,031	228	0	0
3A	4265	8/04/98	57° 59.98'	151° 25.12' W	43	6.9	465	265	0	0
3A	4266	8/05/98	58° 00.03'	151° 44.24' W	66	6.9	1,091	225	5	0
3A	4267	8/06/98	58° 00.01'	152° 02.83' W	98	7.0	1,360	55	0	0
3A	4268	8/06/98	57° 59.98'	152° 21.86' W	116	6.9	2,242	23	0	0
3A	4269	7/25/98	58° 09.98'	150° 09.91' W	83	7.0	2,338	138	5	5
3A	4270	7/25/98	58° 09.91'	150° 28.88' W	63	7.0	2,850	257	0	0
3A	4271	8/09/98	58° 09.79'	150° 48.09' W	62	7.0	1,017	138	0	0
3A	4272	8/09/98	58° 09.98'	151° 06.96' W	81	6.9	952	68	10	0
3A	4273	8/05/98	58° 09.97'	151° 24.69' W	89	7.0	1,130	206	5	0
3A	4274	8/05/98	58° 10.00'	151° 44.03' W	29	6.8	3,011	183	0	0
3A	4275	8/10/98	58° 20.04'	150° 47.80' W	36	7.0	277	104	0	0
3A	4276	8/10/98	58° 20.04'	151° 07.04' W	69	7.0	264	94	20	0
3A	4277	8/11/98	58° 20.00'	151° 25.77' W	52	6.7	2,257	205	0	0
3A	4278	8/11/98	58° 19.72'	151° 44.97' W	31	7.0	2,956	44	0	0
3A	4279	8/10/98	58° 29.91'	151° 06.69' W	50	6.9	394	55	0	0
3A	4280	8/12/98	58° 29.97'	151° 27.23' W	93	7.0	608	21	15	0
3A	4281	8/11/98	58° 29.92'	151° 45.80' W	104	7.0	2,008	53	25	0
3A	4282	8/12/98	58° 39.91'	151° 26.98' W	101	7.1	1,135	64	40	0
3A	4283	8/12/98	58° 39.92'	151° 45.98' W	73	6.8	1,459	58	19	0
3A	4284	8/13/98	58° 39.98'	152° 06.04' W	68	7.0	938	93	5	0
3A	4285	8/13/98	58° 49.93'	152° 05.85' W	60	6.9	1,158	263	0	0
3A	4286	8/02/98	56° 20.23'	152° 50.78' W	56	7.0	6,810	496	0	5
3A	4287	8/02/98	56° 20.00'	153° 08.31' W	65	7.0	3,562	687	15	0
3A	4288	8/03/98	56° 19.80'	153° 26.02' W	33	7.0	2,982	1549	0	0
3A	4289	8/01/98	56° 29.95'	152° 14.89' W	111	7.1	6,108	218	10	10
3A	4290	8/01/98	56° 29.98'	152° 33.05' W	146	7.1	8,742	117	10	0
3A	4291	8/02/98	56° 30.12'	152° 51.48' W	29	7.0	5,192	1059	0	0
3A	4292	8/10/98	56° 29.93'	153° 09.02' W	38	7.0	2,258	183	0	0
3A	4293	8/03/98	56° 29.80'	153° 27.34' W	49	7.1	2,437	1137	0	0
3A	4294	8/03/98	56° 30.07'	153° 45.07' W	36	7.0	8,092	132	0	0

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**Bycatch numbers extrapolated from 20-25% sample.

1998 Stock Assessment Survey Catch Data

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**	
			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4295	7/31/98	56° 40.04'	151° 57.13' W	33	7.0	4,247	1015	0	0
3A	4296	8/01/98	56° 40.09'	152° 14.99' W	27	7.0	2,234	538	0	0
3A	4297	8/11/98	56° 40.05'	152° 33.67' W	78	7.0	1,807	44	30	0
3A	4298	8/10/98	56° 39.98'	152° 52.04' W	38	7.0	2,689	2054	0	0
3A	4299	8/10/98	56° 40.05'	153° 09.96' W	81	7.1	5,817	176	0	0
3A	4300	8/09/98	56° 40.03'	153° 28.02' W	80	7.0	3,128	216	0	0
3A	4301	8/09/98	56° 40.00'	153° 45.96' W	46	7.0	4,513	477	0	0
3A	4302	7/31/98	56° 50.02'	151° 40.05' W	158	7.0	1,303	37	50	5
3A	4303	7/31/98	56° 50.05'	151° 57.86' W	45	6.9	6,199	1225	0	0
3A	4304	8/11/98	56° 49.98'	152° 16.12' W	53	7.0	6,439	746	0	0
3A	4305	8/11/98	56° 50.05'	152° 35.00' W	75	7.1	3,515	39	10	0
3A	4306	8/15/98	56° 50.02'	152° 53.12' W	35	6.9	1,119	1765	0	0
3A	4307	8/15/98	56° 50.10'	153° 10.98' W	52	7.1	3,934	352	0	0
3A	4308	8/09/98	56° 49.80'	153° 29.03' W	51	7.0	3,737	371	0	0
3A	4309	8/28/98	57° 00.02'	151° 39.83' W	43	7.0	4,929	376	0	0
3A	4310	8/21/98	56° 59.86'	151° 59.20' W	44	7.0	2,412	298	0	0
3A	4311	8/21/98	56° 59.97'	152° 17.09' W	40	6.9	5,518	258	0	0
3A	4312	8/21/98	56° 59.95'	152° 35.08' W	85	7.0	3,812	76	35	0
3A	4313	8/20/98	57° 00.01'	152° 54.19' W	62	7.1	3,480	219	10	0
3A	4314	8/27/98	57° 10.34'	151° 03.81' W	204	7.0	728	0	141	15
3A	4315	8/27/98	57° 10.03'	151° 21.95' W	70	7.0	1,938	493	0	0
3A	4316	8/28/98	57° 10.20'	151° 41.09' W	40	6.9	1,657	738	0	0
3A	4317	8/19/98	57° 09.94'	151° 59.19' W	38	7.0	2,662	265	0	0
3A	4318	8/19/98	57° 10.08'	152° 17.99' W	44	6.9	1,344	214	0	0
3A	4319	8/20/98	57° 12.20'	152° 36.44' W	54	7.0	1,975	56	5	0
3A	4320	8/27/98	57° 20.10'	151° 04.03' W	51	7.0	1,626	513	0	0
3A	4321	8/27/98	57° 20.05'	151° 23.07' W	73	6.9	4,645	689	0	0
3A	4322	9/02/98	57° 20.19'	151° 41.05' W	34	7.0	2,681	952	0	0
3A	4323	8/19/98	57° 19.97'	152° 00.05' W	39	7.0	826	101	0	0
3A	4324	8/19/98	57° 19.98'	152° 18.05' W	20	7.0	2,723	17	0	0
3A	4325	9/02/98	57° 30.01'	151° 05.08' W	44	7.0	3,312	682	0	0
3A	4326	9/02/98	57° 30.17'	151° 23.06' W	59	7.0	1,389	696	0	0
3A	4327	9/03/98	57° 29.94'	151° 42.03' W	61	7.0	1,983	583	0	0
3A	4328	9/03/98	57° 29.93'	152° 00.95' W	26	6.9	2,913	473	0	0
3A	4329	9/03/98	57° 40.11'	151° 42.88' W	35	7.0	884	107	0	0
3A	4330	9/03/98	57° 39.94'	152° 00.71' W	94	7.0	3,299	180	0	0
3A	4331	7/27/98	57° 29.91'	154° 55.08' W	125	7.1	2,142	42	25	0
3A	4332	7/26/98	57° 40.12'	154° 34.73' W	120	7.0	2,245	53	20	0
3A	4333	7/26/98	57° 40.06'	154° 53.75' W	127	7.0	2,017	44	20	0
3A	4334	7/27/98	57° 40.12'	155° 13.01' W	162	7.0	1,749	20	35	0
3A	4335	7/25/98	57° 50.14'	154° 14.81' W	112	7.0	2,457	177	6	0
3A	4336	7/25/98	57° 49.58'	154° 34.17' W	124	6.0	1,375	23	5	0
3A	4337	7/26/98	57° 50.12'	154° 53.06' W	158	7.0	1,534	109	5	0
3A	4338	7/20/98	58° 00.05'	153° 36.94' W	88	6.7	3,650	73	10	0
3A	4339	7/24/98	58° 00.10'	153° 55.78' W	107	7.0	2,104	281	0	0
3A	4340	7/25/98	57° 59.90'	154° 14.53' W	127	7.0	1,312	123	0	0
3A	4341	7/20/98	58° 10.04'	153° 18.98' W	61	6.9	2,628	480	0	0
3A	4342	7/24/98	58° 09.56'	153° 38.11' W	109	7.1	1,214	106	10	0
3A	4343	7/24/98	58° 09.77'	153° 57.46' W	116	7.0	2,213	188	5	0

*Standard Skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

**Bycatch numbers extrapolated from 20-25% sample.

1998 Stock Assessment Survey Catch Data

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**	
			Latitude	Longitude			Legal	Sublegal	Sablefish	Rockfish
3A	4344	7/19/98	58° 19.79'	153° 19.98' W	95	7.0	1,246	104	5	0
3A	4345	7/18/98	58° 19.90'	153° 39.04' W	96	7.1	984	159	0	0
3A	4346	7/18/98	58° 20.20'	153° 57.84' W	43	7.1	2,415	494	5	0
3A	4347	7/19/98	58° 29.84'	153° 02.25' W	91	7.0	1,101	211	15	0
3A	4348	7/19/98	58° 29.84'	153° 21.07' W	98	7.0	1,581	246	0	0
3A	4349	7/18/98	58° 30.33'	153° 41.05' W	53	7.1	2,371	359	0	0
3A	4350	7/13/98	58° 40.03'	152° 43.91' W	105	7.0	1,222	132	35	0
3A	4351	7/17/98	58° 40.01'	153° 03.34' W	88	6.9	3,865	204	0	0
3A	4352	7/17/98	58° 40.17'	153° 23.03' W	27	7.0	2,165	335	0	0
3A	4353	7/13/98	58° 50.02'	152° 26.26' W	96	6.9	2,931	103	20	0
3A	4354	7/13/98	58° 49.89'	152° 45.03' W	104	6.9	850	94	15	0
3A	4355	7/17/98	58° 49.88'	153° 04.08' W	90	6.8	1,918	146	5	0
3A	4356	7/09/98	59° 00.11'	151° 48.62' W	82	7.0	5,012	581	0	0
3A	4357	7/10/98	58° 59.94'	152° 06.62' W	74	6.9	2,925	712	0	0
3A	4358	7/12/98	59° 00.01'	152° 26.80' W	78	6.9	2,842	321	20	0
3A	4359	7/12/98	58° 59.99'	152° 46.07' W	94	7.0	1,934	159	0	0
3A	4360	7/12/98	58° 59.78'	153° 04.96' W	85	6.8	1,871	268	15	0
3A	4361	7/09/98	59° 09.69'	152° 07.97' W	77	7.0	1,411	485	0	0
3A	4362	7/01/98	59° 10.27'	152° 27.21' W	55	7.0	1,609	2278	0	0
3A	4363	7/11/98	59° 09.70'	152° 47.91' W	79	6.9	2,404	449	0	0
3A	4364	7/11/98	59° 09.82'	153° 06.05' W	49	7.0	2,488	296	0	0
3A	4365	7/11/98	59° 09.79'	153° 26.12' W	23	7.0	1,703	390	0	0
3A	4366	7/09/98	59° 20.05'	152° 08.83' W	38	7.0	2,213	1535	0	0
3A	4367	7/01/98	59° 20.18'	152° 27.62' W	41	6.9	1,137	1266	0	0
3A	4368	6/30/98	59° 19.96'	152° 48.23' W	44	6.9	813	304	0	0
3A	4369	6/30/98	59° 19.98'	153° 07.92' W	29	6.8	1,368	264	0	0
3A	4370	7/02/98	59° 29.97'	151° 49.86' W	41	7.0	1,644	367	0	0
3A	4371	7/02/98	59° 29.68'	152° 08.72' W	24	7.0	1,194	1966	0	0
3A	4372	7/01/98	59° 30.05'	152° 29.31' W	31	6.9	1,166	1422	0	0
3A	4373	6/30/98	59° 30.02'	152° 48.91' W	29	6.8	2,936	209	0	0
3A	4374	6/29/98	59° 39.97'	152° 34.99' W	33	7.0	836	38	0	0
3A	4375	6/29/98	59° 49.83'	152° 11.21' W	29	7.0	1,283	932	0	0
3A	4376	7/29/98	57° 21.21'	150° 27.80' W	272	7.0	0	0	40	0

*Standard Skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

**Bycatch numbers extrapolated from 20-25% sample.