

1999 IPHC Stock Assessment Survey

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**		
			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
3A	4001	7/03/99	57° 50.00'	137° 13.04' W	165	6.7	111	0	223	0	114
3A	4002	7/03/99	58° 00.00'	136° 53.98' W	223	6.8	103	9	253	0	4
3A	4003	7/03/99	58° 00.00'	137° 12.11' W	120	6.9	1,815	106	95	0	0
3A	4004	7/02/99	58° 00.00'	137° 31.23' W	88	6.8	2,602	189	9	4	73
3A	4005	7/02/99	58° 00.06'	137° 50.18' W	99	6.7	2,520	675	21	0	34
3A	4006	6/29/99	58° 10.00'	136° 55.01' W	105	6.8	2,116	146	64	9	9
3A	4007	6/29/99	58° 10.00'	137° 11.05' W	66	6.8	2,640	363	0	0	30
3A	4008	7/02/99	58° 10.00'	137° 29.59' W	78	6.8	1,131	477	0	0	0
3A	4009	7/02/99	58° 10.00'	137° 49.13' W	85	6.8	764	0	0	0	0
3A	4010	7/01/99	58° 10.00'	138° 08.32' W	85	6.7	1,885	523	0	0	0
3A	4011	7/01/99	58° 10.00'	138° 27.13' W	87	6.8	1,435	261	0	0	30
3A	4012	7/14/99	58° 10.00'	138° 46.08' W	102	6.7	3,650	451	8	0	160
3A	4013	6/29/99	58° 20.00'	137° 09.91' W	92	6.8	61	0	0	0	0
3A	4014	6/30/99	58° 20.00'	137° 28.95' W	101	6.7	134	0	4	0	0
3A	4015	6/30/99	58° 20.00'	137° 48.22' W	95	6.8	240	0	0	0	4
3A	4016	7/01/99	58° 20.00'	138° 06.87' W	71	6.7	1,253	800	0	4	0
3A	4017	7/01/99	58° 19.99'	138° 26.18' W	71	6.8	2,347	1118	0	0	0
3A	4018	7/14/99	58° 20.00'	138° 46.01' W	62	6.7	1,668	590	0	0	126
3A	4019	7/14/99	58° 20.00'	139° 05.04' W	61	6.8	2,499	322	0	0	128
3A	4020	7/14/99	58° 20.00'	139° 24.12' W	148	6.9	4,005	48	9	0	0
3A	4021	6/30/99	58° 29.99'	137° 27.84' W	38	6.8	134	65	0	0	0
3A	4022	6/30/99	58° 29.99'	137° 46.86' W	85	6.7	0	0	0	0	0
3A	4023	7/07/99	58° 30.00'	138° 07.02' W	74	6.8	969	28	0	0	0
3A	4024	7/07/99	58° 29.99'	138° 26.11' W	63	6.7	2,727	1484	0	0	13
3A	4025	7/13/99	58° 30.00'	138° 45.03' W	51	6.7	3,931	664	0	0	17
3A	4026	7/13/99	58° 30.00'	139° 04.05' W	55	6.8	1,435	1100	0	0	34
3A	4027	7/12/99	58° 30.00'	139° 22.98' W	89	6.7	3,487	405	4	8	38
3A	4028	7/12/99	58° 30.00'	139° 42.15' W	133	6.7	741	27	173	0	0
3A	4029	7/07/99	58° 40.00'	138° 06.12' W	52	6.8	2,670	185	0	0	47
3A	4030	7/07/99	58° 40.00'	138° 25.06' W	74	6.7	933	124	0	0	0
3A	4031	7/13/99	58° 40.00'	138° 43.98' W	54	6.8	645	24	0	0	9
3A	4032	7/13/99	58° 40.00'	139° 03.99' W	82	6.9	3,611	712	0	0	0
3A	4033	7/12/99	58° 40.00'	139° 22.98' W	136	6.8	1,082	52	171	0	0
3A	4034	7/12/99	58° 40.00'	139° 42.09' W	101	6.7	1,747	214	21	0	0
3A	4035	8/12/99	58° 40.02'	140° 01.00' W	103	6.7	3,669	625	17	8	4
3A	4036	7/08/99	58° 50.00'	138° 04.89' W	29	6.8	146	143	0	0	0
3A	4037	7/08/99	58° 50.00'	138° 23.99' W	41	6.7	1,148	48	0	0	17
3A	4038	7/25/99	58° 50.02'	138° 43.93' W	66	6.8	553	86	0	0	0
3A	4039	7/25/99	58° 50.02'	139° 03.20' W	103	6.8	499	54	43	0	13
3A	4040	7/11/99	58° 50.00'	139° 22.09' W	75	6.7	3,315	430	0	0	8
3A	4041	7/11/99	58° 50.00'	139° 42.47' W	88	6.8	1,689	129	4	0	0
3A	4042	8/12/99	58° 49.99'	140° 01.09' W	94	6.8	1,383	303	4	0	4
3A	4043	7/08/99	59° 00.00'	138° 24.04' W	35	6.7	420	186	0	0	0
3A	4044	7/25/99	59° 00.03'	138° 43.06' W	86	6.8	0	0	0	0	0
3A	4045	7/25/99	58° 59.99'	139° 02.10' W	56	6.7	322	70	0	0	0
3A	4046	7/11/99	58° 60.00'	139° 22.12' W	59	6.8	1,074	343	0	0	0
3A	4047	7/11/99	59° 00.01'	139° 41.16' W	66	6.8	2,865	426	0	0	0
3A	4048	7/26/99	59° 10.04'	139° 02.02' W	31	6.7	13	0	0	0	0
3A	4049	7/26/99	59° 10.03'	139° 20.95' W	53	6.8	49	0	0	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.

1999 IPHC Stock Assessment Survey

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**		
			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
3A	4051	8/12/99	58° 50.08'	140° 20.23' W	100	6.7	1,865	545	4	0	0
3A	4052	8/12/99	58° 50.01'	140° 40.09' W	105	6.7	3,165	252	42	25	0
3A	4053	8/11/99	59° 00.04'	140° 01.00' W	72	6.7	3,326	525	0	0	4
3A	4054	8/11/99	59° 00.01'	140° 20.24' W	84	6.9	4,240	548	0	0	35
3A	4055	8/10/99	59° 00.00'	140° 39.02' W	97	6.7	1,324	384	4	0	0
3A	4056	8/10/99	59° 00.00'	140° 59.17' W	104	6.7	3,286	599	13	17	4
3A	4057	7/26/99	59° 10.00'	139° 41.03' W	68	6.8	1,521	279	0	9	0
3A	4058	8/11/99	59° 09.76'	140° 01.20' W	64	6.7	2,748	976	0	0	0
3A	4059	8/11/99	59° 09.99'	140° 20.11' W	71	6.8	3,676	415	9	4	0
3A	4060	8/10/99	59° 10.01'	140° 39.00' W	81	6.7	1,125	290	0	21	4
3A	4061	8/10/99	59° 10.02'	140° 58.90' W	98	6.7	4,799	494	0	0	0
3A	4062	8/09/99	59° 10.00'	141° 18.00' W	184	6.8	1,605	9	119	0	4
3A	4063	8/09/99	59° 10.02'	141° 38.15' W	124	6.7	8,040	155	75	8	4
3A	4064	7/26/99	59° 20.03'	139° 39.99' W	85	6.8	42	11	0	0	0
3A	4065	7/27/99	59° 20.01'	139° 59.86' W	88	6.8	316	27	4	0	0
3A	4066	7/27/99	59° 20.05'	140° 19.99' W	70	6.7	2,184	561	0	0	0
3A	4067	7/27/99	59° 20.02'	140° 39.09' W	77	6.8	1,314	352	0	0	0
3A	4068	8/09/99	59° 20.01'	140° 59.00' W	86	6.8	2,893	427	4	0	0
3A	4069	8/09/99	59° 20.01'	141° 17.96' W	178	6.7	448	0	214	0	0
3A	4070	8/08/99	59° 20.01'	141° 38.03' W	103	6.8	2,558	189	9	0	0
3A	4071	8/08/99	59° 20.00'	141° 57.97' W	118	6.7	2,952	230	25	4	0
3A	4072	7/28/99	59° 30.02'	140° 00.21' W	60	6.8	0	0	0	0	0
3A	4073	7/28/99	59° 30.01'	140° 19.52' W	123	6.8	716	0	13	0	0
3A	4074	7/28/99	59° 30.01'	140° 39.12' W	151	6.7	755	0	59	0	21
3A	4075	7/29/99	59° 30.00'	140° 59.02' W	161	6.8	902	0	158	0	4
3A	4076	7/29/99	59° 30.02'	141° 19.18' W	89	6.8	379	10	0	0	0
3A	4077	8/08/99	59° 30.05'	141° 38.11' W	87	6.9	228	0	0	0	0
3A	4078	8/08/99	59° 30.00'	141° 58.05' W	96	6.7	747	9	4	0	0
3A	4079	7/28/99	59° 40.02'	139° 59.16' W	74	6.8	735	61	0	17	0
3A	4080	7/29/99	59° 40.02'	140° 59.19' W	29	6.8	323	47	0	0	0
3A	4081	7/29/99	59° 40.00'	141° 19.10' W	36	6.8	490	383	0	0	0
3A	4082	7/31/99	59° 40.00'	141° 38.11' W	53	6.7	185	20	0	0	0
3A	4083	7/31/99	59° 40.01'	141° 58.05' W	81	6.7	122	0	0	0	0
3A	4084	7/31/99	59° 39.98'	142° 18.08' W	117	6.8	1,493	16	17	0	4
3A	4085	8/02/99	59° 39.99'	142° 37.95' W	207	6.7	396	0	211	0	34
3A	4086	8/02/99	59° 40.00'	142° 57.86' W	112	6.8	4,973	89	18	9	9
3A	4087	8/02/99	59° 40.02'	143° 16.79' W	146	6.7	3,186	21	84	17	21
3A	4088	8/03/99	59° 40.00'	143° 37.02' W	87	6.7	8,386	152	0	34	0
3A	4089	8/04/99	59° 40.01'	143° 57.04' W	70	6.7	6,840	244	0	0	17
3A	4090	8/04/99	59° 40.01'	144° 17.10' W	88	6.7	3,366	80	0	0	13
3A	4091	8/04/99	59° 40.00'	144° 37.25' W	80	6.7	1,330	17	0	0	0
3A	4092	7/31/99	59° 50.03'	141° 59.21' W	38	6.7	546	243	0	0	0
3A	4093	8/01/99	59° 50.00'	142° 18.02' W	52	6.8	3,909	416	0	0	34
3A	4094	8/01/99	59° 50.03'	142° 38.06' W	85	6.8	2,976	46	0	0	0
3A	4095	8/02/99	59° 50.03'	142° 58.44' W	94	6.8	178	10	0	0	0
3A	4096	8/03/99	59° 50.04'	143° 18.11' W	115	6.8	2,298	110	9	4	0
3A	4097	8/03/99	59° 50.00'	143° 38.09' W	153	6.7	669	20	114	0	13
3A	4098	8/03/99	59° 50.02'	143° 58.37' W	51	6.8	2,154	377	0	0	0
3A	4099	8/04/99	59° 50.00'	144° 17.98' W	35	6.8	843	307	0	34	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.

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			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
3A	4100	8/01/99	60° 00.00'	142° 39.08' W	43	6.7	1,063	168	4	0	0
3A	4101	8/01/99	60° 00.02'	142° 59.01' W	61	6.7	506	134	0	0	0
3A	4102	8/15/99	59° 19.81'	146° 16.02' W	173	7.0	1,227	0	0	0	30
3A	4103	8/15/99	59° 19.95'	146° 35.00' W	81	7.0	1,942	99	0	0	0
3A	4104	8/16/99	59° 20.07'	146° 54.99' W	105	7.0	1,806	110	0	0	0
3A	4105	8/16/99	59° 19.96'	147° 14.99' W	101	7.0	340	10	10	0	0
3A	4106	8/07/99	59° 29.98'	145° 16.05' W	91	7.0	3,508	137	10	5	65
3A	4107	8/07/99	59° 30.09'	145° 55.01' W	96	7.0	1,718	111	15	0	0
3A	4108	8/15/99	59° 30.00'	146° 35.01' W	50	7.0	1,220	128	0	0	25
3A	4109	8/16/99	59° 30.20'	146° 54.02' W	101	7.0	334	0	10	0	0
3A	4110	8/12/99	59° 29.95'	147° 14.03' W	116	7.0	213	20	50	0	5
3A	4111	8/12/99	59° 30.00'	147° 32.98' W	59	7.0	2,381	272	0	0	0
3A	4112	8/07/99	59° 39.98'	145° 34.02' W	58	7.0	578	35	0	0	0
3A	4113	8/08/99	59° 40.09'	145° 54.03' W	45	7.0	1,747	642	0	0	0
3A	4114	8/09/99	59° 40.03'	146° 14.02' W	46	7.0	569	124	0	0	0
3A	4115	8/09/99	59° 39.86'	146° 34.02' W	47	7.0	2,196	498	0	0	20
3A	4116	8/14/99	59° 40.01'	146° 53.01' W	60	7.0	120	0	0	0	0
3A	4117	8/14/99	59° 39.97'	147° 13.01' W	101	7.0	430	0	0	0	0
3A	4118	8/12/99	59° 39.95'	147° 33.07' W	66	7.0	401	9	0	0	0
3A	4119	7/28/99	59° 49.73'	144° 58.05' W	105	7.0	170	8	0	0	0
3A	4120	8/08/99	59° 50.04'	145° 53.05' W	56	7.0	314	16	0	0	0
3A	4121	8/08/99	59° 49.95'	146° 12.98' W	34	7.0	1,049	331	0	0	0
3A	4122	8/09/99	59° 40.03'	146° 14.02' W	46	7.0	2,691	410	0	0	0
3A	4123	8/14/99	59° 49.99'	146° 53.01' W	43	7.0	505	154	0	0	0
3A	4124	8/13/99	59° 50.05'	147° 12.98' W	87	7.0	1,017	26	5	0	0
3A	4125	7/28/99	60° 00.12'	144° 38.96' W	123	6.8	261	0	0	0	0
3A	4126	7/28/99	60° 00.02'	144° 58.80' W	71	7.0	122	0	0	0	0
3A	4127	8/06/99	60° 00.02'	145° 19.02' W	67	7.0	441	36	0	0	0
3A	4128	8/05/99	60° 00.05'	146° 12.03' W	35	7.0	1,422	418	0	0	0
3A	4129	8/05/99	60° 00.04'	146° 31.95' W	36	7.0	1,068	1234	0	0	0
3A	4130	8/13/99	60° 00.06'	146° 51.99' W	80	7.0	0	7	5	0	0
3A	4131	8/13/99	59° 59.87'	147° 12.02' W	101	7.0	379	0	15	20	0
3A	4132	8/06/99	60° 10.08'	145° 31.01' W	47	7.0	837	76	0	5	0
3A	4133	8/06/99	60° 10.05'	145° 51.00' W	58	7.0	260	29	0	0	0
3A	4134	8/05/99	60° 10.00'	146° 10.99' W	48	7.0	380	94	0	0	0
3A	4135	8/23/99	60° 10.07'	147° 30.99' W	34	7.0	1,854	213	0	40	45
3A	4136	8/23/99	60° 09.98'	147° 51.02' W	174	7.0	785	156	0	5	10
3A	4137	8/22/99	60° 19.99'	147° 30.98' W	71	7.0	1,454	27	0	60	20
3A	4138	8/21/99	60° 29.96'	146° 28.98' W	37	7.0	280	122	5	0	0
3A	4139	8/21/99	60° 30.18'	146° 49.00' W	218	7.0	840	7	6	3	0
3A	4140	8/21/99	60° 30.02'	147° 10.00' W	98	7.0	759	88	25	30	0
3A	4141	8/22/99	60° 30.02'	147° 30.00' W	105	7.0	533	41	10	0	5
3A	4142	8/22/99	60° 28.95'	147° 50.00' W	253	7.0	1,178	30	15	0	0
3A	4143	8/20/99	60° 39.99'	146° 48.99' W	226	7.0	1,242	28	50	10	0
3A	4144	8/20/99	60° 39.96'	147° 09.00' W	135	7.0	878	21	21	36	0
3A	4145	8/20/99	60° 49.94'	147° 10.01' W	111	7.0	1,047	126	5	55	15
3A	4146	8/19/99	60° 50.09'	148° 09.97' W	140	7.0	761	82	10	15	45
3A	4147	7/15/99	58° 40.06'	148° 33.94' W	129	6.7	1,885	33	139	0	0
3A	4148	7/15/99	58° 39.88'	148° 53.08' W	87	6.7	2,546	124	45	29	0

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

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			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish	
3A	4149	Unsuccessful Station										
3A	4150	7/15/99	58° 50.43'	148° 33.99' W	160	6.6	2,950	10	99	0	0	
3A	4151	6/28/99	58° 50.01'	148° 52.95' W	140	6.4	3,364	0	117	20	0	
3A	4152	6/28/99	58° 50.06'	149° 12.07' W	112	6.6	2,387	23	89	24	4	
3A	4153	7/17/99	59° 01.14'	147° 55.02' W	165	6.6	790	85	33	45	16	
3A	4154	7/16/99	58° 59.78'	148° 13.98' W	119	6.6	1,440	7	59	17	8	
3A	4155	7/16/99	58° 59.78'	148° 34.13' W	131	6.6	882	21	95	0	0	
3A	4156	6/28/99	58° 59.86'	148° 52.99' W	117	6.6	968	7	93	32	0	
3A	4157	6/27/99	59° 00.04'	149° 12.10' W	112	6.7	686	16	59	8	0	
3A	4158	6/27/99	58° 59.88'	149° 32.04' W	129	6.7	388	0	66	8	0	
3A	4159	7/09/99	59° 10.02'	147° 36.52' W	126	6.6	6,500	36	24	8	4	
3A	4160	7/17/99	59° 10.00'	147° 51.98' W	113	6.7	1,823	60	54	0	0	
3A	4161	7/17/99	59° 10.02'	148° 13.25' W	68	6.5	6,926	391	0	4	77	
3A	4162	7/17/99	59° 09.93'	148° 33.02' W	88	6.5	1,926	88	8	8	0	
3A	4163	7/14/99	59° 09.99'	148° 52.95' W	98	6.6	3,532	27	29	12	4	
3A	4164	7/14/99	59° 10.16'	149° 12.00' W	85	6.7	2,439	51	38	13	0	
3A	4165	6/26/99	59° 09.84'	149° 31.99' W	89	6.5	1,985	110	4	52	0	
3A	4166	6/26/99	59° 09.96'	149° 50.95' W	73	6.7	1,781	235	8	12	0	
3A	4167	7/09/99	59° 19.94'	147° 34.09' W	68	6.6	4,994	402	0	0	21	
3A	4168	7/08/99	59° 20.20'	147° 53.94' W	102	6.7	1,331	10	12	4	0	
3A	4169	7/08/99	59° 20.15'	148° 12.97' W	88	6.8	2,633	123	4	21	4	
3A	4170	7/13/99	59° 19.99'	148° 33.00' W	50	6.6	6,660	654	0	0	44	
3A	4171	7/14/99	59° 19.80'	148° 53.04' W	92	6.5	1,011	46	20	0	0	
3A	4172	6/30/99	59° 19.91'	149° 11.98' W	102	6.6	3,228	27	16	0	0	
3A	4173	6/30/99	59° 20.17'	149° 31.95' W	66	6.7	2,449	347	0	4	0	
3A	4174	6/26/99	59° 19.96'	149° 50.99' W	103	6.6	1,660	102	4	16	0	
3A	4175	6/25/99	59° 20.23'	150° 11.02' W	86	6.2	1,596	49	4	38	0	
3A	4176	7/07/99	59° 31.34'	147° 53.73' W	63	6.7	2,002	228	0	4	8	
3A	4177	7/08/99	59° 29.93'	148° 13.02' W	114	6.7	1,324	57	34	25	4	
3A	4178	7/13/99	59° 29.84'	148° 32.91' W	52	6.6	1,062	1271	0	0	0	
3A	4179	7/13/99	59° 29.76'	148° 52.05' W	91	6.6	2,903	180	8	0	0	
3A	4180	6/30/99	59° 29.80'	149° 11.95' W	128	6.7	1,231	16	62	29	0	
3A	4181	6/30/99	59° 29.93'	149° 32.03' W	58	6.7	1,145	348	0	17	0	
3A	4182	6/25/99	59° 30.06'	149° 51.97' W	108	6.7	1,564	77	4	91	0	
3A	4183	6/25/99	59° 29.80'	150° 10.95' W	59	6.7	793	134	0	12	8	
3A	4184	7/07/99	59° 39.77'	147° 52.95' W	39	6.6	3,525	34	0	0	37	
3A	4185	7/07/99	59° 39.94'	148° 13.01' W	70	6.7	579	172	0	0	0	
3A	4186	7/06/99	59° 40.05'	148° 32.88' W	114	6.5	853	90	28	8	0	
3A	4187	7/05/99	59° 39.80'	148° 51.99' W	99	6.6	668	32	4	0	4	
3A	4188	7/04/99	59° 40.19'	149° 11.94' W	115	6.7	1,930	10	51	4	0	
3A	4189	7/04/99	59° 39.91'	149° 32.10' W	151	6.6	645	26	61	85	0	
3A	4190	7/06/99	59° 49.84'	148° 12.06' W	66	6.4	1,533	277	12	12	0	
3A	4191	7/06/99	59° 50.03'	148° 31.91' W	77	6.7	491	16	0	0	0	
3A	4192	7/05/99	59° 49.84'	148° 52.14' W	95	6.7	346	0	8	0	0	
3A	4193	7/05/99	59° 49.91'	149° 12.06' W	78	6.7	777	38	4	8	0	
3A	4194	7/04/99	59° 49.86'	149° 31.97' W	83	6.6	634	38	4	0	0	
3A	4195	8/03/99	57° 59.94'	149° 13.06' W	78	6.5	2,105	0	0	0	18	
3A	4196	8/03/99	58° 09.93'	148° 53.93' W	77	6.6	1,710	248	0	0	0	
3A	4197	8/03/99	58° 09.87'	149° 12.78' W	63	6.5	1,881	332	0	0	14	

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

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

1999 IPHC Stock Assessment Survey

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**			
			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish	
3A	4198	8/02/99	58° 10.04'	149° 31.66' W	58	6.7	3,492	331	0	0	0	
3A	4199	8/02/99	58° 09.85'	149° 51.06' W	82	6.7	2,175	47	5	10	5	
3A	4200	8/07/99	58° 20.06'	148° 35.31' W	107	6.7	4,286	71	10	0	0	
3A	4201	8/08/99	58° 20.03'	148° 53.85' W	68	6.3	525	48	0	0	0	
3A	4202	8/08/99	58° 20.02'	149° 13.32' W	84	6.2	1,913	88	0	22	0	
3A	4203	7/31/99	58° 19.88'	149° 31.97' W	82	5.7	2,082	135	0	0	0	
3A	4204	8/02/99	58° 19.82'	149° 51.05' W	42	6.5	2,155	303	0	0	0	
3A	4205	7/23/99	58° 19.79'	150° 09.99' W	27	6.5	867	375	0	0	0	
3A	4206	7/23/99	58° 20.05'	150° 29.76' W	28	7.0	314	396	0	0	0	
3A	4207	8/07/99	58° 30.08'	148° 40.39' W	65	6.5	1,587	33	0	0	14	
3A	4208	8/07/99	58° 29.99'	148° 53.01' W	60	6.4	3,565	270	0	0	0	
3A	4209	8/08/99	58° 30.02'	149° 13.04' W	65	6.5	2,849	153	0	9	0	
3A	4210	7/31/99	58° 29.93'	149° 31.95' W	77	6.5	1,458	178	0	28	0	
3A	4211	7/31/99	58° 30.05'	149° 51.01' W	77	6.7	1,149	54	0	33	0	
3A	4212	7/23/99	58° 29.95'	150° 10.03' W	50	6.4	1,751	456	0	0	0	
3A	4213	7/24/99	58° 29.87'	150° 29.02' W	48	6.7	1,227	681	0	0	0	
3A	4214	7/25/99	58° 29.73'	150° 47.94' W	54	7.0	1,847	371	0	0	0	
3A	4215	8/09/99	58° 40.04'	149° 13.03' W	74	6.7	756	60	10	14	0	
3A	4216	8/09/99	58° 40.03'	149° 32.21' W	73	6.5	1,796	116	9	24	0	
3A	4217	8/09/99	58° 40.03'	149° 51.16' W	84	6.6	1,089	28	5	0	0	
3A	4218	Unsuccessful Station										
3A	4219	7/24/99	58° 40.09'	150° 29.00' W	113	6.8	348	36	24	29	0	
3A	4220	7/25/99	58° 40.02'	150° 48.78' W	110	7.1	1,359	93	30	25	0	
3A	4221	7/25/99	58° 40.05'	151° 08.19' W	103	7.0	2,002	53	65	20	0	
3A	4222	8/09/99	58° 50.01'	149° 32.16' W	121	6.5	455	9	70	0	0	
3A	4223	8/10/99	58° 50.03'	149° 51.77' W	131	6.6	548	0	80	0	0	
3A	4224	8/10/99	58° 50.04'	150° 10.26' W	87	6.5	1,943	29	84	9	0	
3A	4225	7/26/99	58° 49.78'	150° 29.99' W	93	6.8	1,131	28	73	5	0	
3A	4226	7/26/99	58° 49.99'	150° 49.28' W	99	7.0	381	25	64	69	0	
3A	4227	7/30/99	58° 50.04'	151° 08.06' W	77	6.9	1,971	80	15	0	0	
3A	4228	7/30/99	58° 50.02'	151° 27.74' W	58	7.0	1,083	454	0	0	0	
3A	4229	8/04/99	59° 00.07'	149° 50.91' W	122	6.8	221	0	19	0	0	
3A	4230	8/04/99	59° 00.09'	150° 11.62' W	105	6.5	234	0	28	0	0	
3A	4231	7/26/99	58° 59.89'	150° 30.02' W	65	6.6	1,176	460	0	14	0	
3A	4232	7/26/99	59° 00.02'	150° 49.95' W	89	7.4	1,099	94	0	11	0	
3A	4233	7/28/99	59° 00.05'	151° 08.18' W	82	6.7	1,627	293	0	5	0	
3A	4234	7/30/99	59° 00.68'	151° 27.87' W	80	6.7	1,160	63	0	5	5	
3A	4235	8/04/99	59° 10.02'	150° 11.51' W	67	6.5	1,700	189	0	0	0	
3A	4236	7/27/99	59° 10.04'	150° 29.77' W	67	7.2	916	70	0	0	0	
3A	4237	7/27/99	59° 10.02'	150° 49.44' W	73	6.9	1,849	128	5	20	20	
3A	4238	7/27/99	59° 10.03'	151° 07.13' W	30	6.9	2,423	615	0	0	25	
3A	4239	7/27/99	59° 19.86'	150° 31.02' W	130	6.7	2,304	30	10	33	29	
3A	4240	8/17/99	57° 19.92'	150° 46.09' W	87	6.7	1,366	26	10	10	0	
3A	4241	8/18/99	57° 30.11'	150° 09.09' W	243	7.0	217	0	35	0	0	
3A	4242	8/18/99	57° 30.00'	150° 27.83' W	85	7.0	878	50	5	5	0	
3A	4243	8/17/99	57° 29.91'	150° 46.08' W	53	6.8	2,428	150	0	15	0	
3A	4244	8/19/99	57° 40.25'	149° 50.05' W	225	7.0	301	0	10	0	35	
3A	4245	8/18/99	57° 40.09'	150° 09.09' W	114	7.0	2,423	25	0	0	0	
3A	4246	8/18/99	57° 40.00'	150° 27.91' W	52	7.0	533	302	0	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.

1999 IPHC Stock Assessment Survey

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**		
			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
3A	4247	8/23/99	57° 39.91'	150° 47.05' W	46	6.9	1,341	266	0	0	0
3A	4248	8/23/99	57° 39.84'	151° 04.98' W	40	6.8	510	359	0	0	0
3A	4249	8/07/99	57° 39.85'	151° 24.35' W	35	7.0	1,603	415	0	45	0
3A	4250	8/19/99	57° 50.20'	149° 32.12' W	190	6.7	1,394	0	19	0	10
3A	4251	8/19/99	57° 50.06'	149° 50.34' W	140	6.7	982	35	0	5	0
3A	4252	8/19/99	57° 50.12'	150° 09.52' W	106	7.0	606	45	5	10	0
3A	4253	8/22/99	57° 50.04'	150° 28.20' W	51	7.1	1,152	350	0	0	0
3A	4254	8/23/99	57° 49.85'	150° 47.02' W	45	6.8	539	173	0	0	0
3A	4255	8/23/99	57° 49.89'	151° 06.00' W	38	6.8	696	352	0	0	0
3A	4256	8/07/99	57° 50.09'	151° 23.97' W	30	7.0	938	660	0	65	0
3A	4257	8/07/99	57° 50.03'	151° 43.53' W	28	7.0	501	944	0	0	0
3A	4258	8/16/99	57° 50.08'	152° 02.74' W	48	7.0	791	348	0	0	0
3A	4259	8/20/99	58° 00.04'	149° 32.49' W	83	6.8	1,721	112	5	0	0
3A	4260	8/20/99	57° 59.90'	149° 51.14' W	128	6.8	1,802	40	10	5	0
3A	4261	8/20/99	58° 00.10'	150° 09.14' W	123	6.9	1,269	68	10	0	0
3A	4262	8/22/99	57° 59.88'	150° 28.04' W	89	6.7	1,012	128	0	19	0
3A	4263	8/10/99	57° 59.94'	150° 46.98' W	71	7.0	1,231	112	5	5	0
3A	4264	8/23/99	58° 00.05'	151° 05.98' W	44	6.8	685	142	0	0	0
3A	4265	8/08/99	57° 59.73'	151° 25.03' W	42	7.0	438	248	0	15	0
3A	4266	8/08/99	58° 00.00'	151° 44.33' W	71	6.9	2,128	76	0	35	0
3A	4267	8/16/99	58° 00.03'	152° 02.74' W	98	7.0	731	0	5	0	0
3A	4268	8/16/99	58° 00.01'	152° 21.83' W	113	7.0	946	7	0	50	0
3A	4269	8/22/99	58° 10.02'	150° 09.99' W	80	6.8	2,070	135	0	5	10
3A	4270	8/22/99	58° 10.10'	150° 29.05' W	62	7.0	946	236	0	0	0
3A	4271	8/10/99	58° 09.82'	150° 47.95' W	60	7.0	676	44	5	35	0
3A	4272	8/10/99	58° 10.02'	151° 07.21' W	77	7.0	1,926	114	25	15	0
3A	4273	8/08/99	58° 09.64'	151° 25.05' W	88	7.0	679	38	15	76	0
3A	4274	8/09/99	58° 09.80'	151° 44.05' W	32	7.0	1,936	77	0	0	0
3A	4275	8/11/99	58° 20.08'	150° 46.95' W	35	7.0	1,391	894	0	10	0
3A	4276	8/11/99	58° 19.75'	151° 06.97' W	68	7.0	1,452	195	0	5	0
3A	4277	8/09/99	58° 19.83'	151° 26.00' W	51	7.0	1,766	546	0	0	0
3A	4278	8/09/99	58° 19.84'	151° 43.91' W	31	7.0	2,726	23	0	0	0
3A	4279	8/11/99	58° 29.93'	151° 07.00' W	59	7.0	847	239	0	10	0
3A	4280	8/12/99	58° 29.99'	151° 26.83' W	93	7.0	1,377	11	50	0	0
3A	4281	8/12/99	58° 30.00'	151° 46.23' W	102	7.0	1,394	11	45	20	0
3A	4282	8/12/99	58° 39.98'	151° 26.99' W	101	7.0	784	30	40	0	0
3A	4283	8/15/99	58° 40.03'	151° 45.91' W	71	6.8	2,430	78	0	0	0
3A	4284	8/15/99	58° 39.75'	152° 05.93' W	69	6.7	1,082	25	0	0	0
3A	4285	8/15/99	58° 49.80'	152° 05.88' W	55	6.7	789	62	0	0	24
3A	4286	7/15/99	56° 20.19'	152° 49.59' W	63	6.9	2,249	78	5	39	0
3A	4287	7/15/99	56° 20.05'	153° 08.19' W	57	7.0	1,413	136	5	10	5
3A	4288	7/16/99	56° 19.72'	153° 26.41' W	32	7.0	3,338	505	0	5	0
3A	4289	7/07/99	56° 30.49'	152° 13.70' W	107	6.9	4,576	222	10	5	5
3A	4290	7/07/99	56° 29.34'	152° 34.30' W	120	6.9	1,784	11	98	5	0
3A	4291	7/15/99	56° 30.07'	152° 51.01' W	30	6.8	3,547	470	0	0	0
3A	4292	7/16/99	56° 29.96'	153° 08.93' W	40	6.9	2,183	84	0	79	0
3A	4293	7/16/99	56° 29.71'	153° 27.21' W	48	6.9	2,403	261	0	34	0
3A	4294	7/24/99	56° 29.75'	153° 44.69' W	43	7.0	1,140	48	0	0	0
3A	4295	6/25/99	56° 39.61'	151° 58.16' W	32	7.0	3,286	1192	0	0	0

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

1999 IPHC Stock Assessment Survey

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**		
			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
3A	4296	6/25/99	56° 39.52'	152° 15.56' W	24	7.0	2,313	1205	0	0	0
3A	4297	6/26/99	56° 39.72'	152° 34.37' W	75	7.0	271	125	5	0	0
3A	4298	7/23/99	56° 39.95'	152° 52.31' W	39	7.0	1,013	725	0	0	0
3A	4299	7/23/99	56° 40.06'	153° 09.58' W	83	6.9	1,281	11	0	0	0
3A	4300	7/14/99	56° 39.58'	153° 28.68' W	78	7.0	3,866	128	0	15	0
3A	4301	7/24/99	56° 39.78'	153° 45.85' W	40	6.8	2,148	198	0	10	0
3A	4302	6/24/99	56° 49.73'	151° 41.27' W	139	6.5	951	83	65	0	0
3A	4303	6/25/99	56° 49.53'	151° 58.46' W	42	7.0	5,223	485	0	0	0
3A	4304	7/06/99	56° 49.87'	152° 16.22' W	54	7.0	2,036	227	0	0	0
3A	4305	6/26/99	56° 49.52'	152° 35.22' W	72	7.0	1,239	57	0	0	0
3A	4306	7/23/99	56° 50.14'	152° 52.70' W	35	6.9	719	1137	0	0	0
3A	4307	7/14/99	56° 49.67'	153° 11.25' W	58	6.9	2,288	152	0	0	0
3A	4308	7/14/99	56° 49.68'	153° 30.12' W	56	7.0	1,566	144	0	0	0
3A	4309	6/24/99	56° 59.61'	151° 40.35' W	40	7.0	2,047	399	0	0	0
3A	4310	7/06/99	56° 59.86'	151° 59.30' W	45	7.0	766	1231	0	5	0
3A	4311	7/06/99	56° 59.70'	152° 17.41' W	41	7.0	2,754	358	0	0	0
3A	4312	7/05/99	56° 59.72'	152° 35.44' W	85	7.0	1,975	38	5	0	0
3A	4313	7/05/99	56° 59.80'	152° 54.40' W	69	7.0	1,686	93	15	10	0
3A	4314	6/20/99	57° 09.39'	151° 08.01' W	187	7.0	960	34	65	0	5
3A	4315	6/20/99	57° 09.70'	151° 23.14' W	69	7.0	5,435	454	0	0	0
3A	4316	6/23/99	57° 09.60'	151° 41.80' W	41	7.0	1,504	356	0	0	0
3A	4317	6/23/99	57° 09.57'	151° 59.78' W	40	7.0	914	452	0	5	0
3A	4318	7/04/99	57° 09.66'	152° 18.80' W	43	6.9	411	165	0	0	0
3A	4319	7/04/99	57° 09.88'	152° 36.16' W	52	7.0	1,987	173	0	20	0
3A	4320	6/17/99	57° 20.09'	151° 04.96' W	51	7.0	3,545	733	0	50	0
3A	4321	6/20/99	57° 19.48'	151° 23.93' W	74	7.0	2,986	494	0	25	0
3A	4322	6/19/99	57° 19.23'	151° 41.94' W	35	7.0	2,303	1197	0	0	0
3A	4323	6/23/99	57° 19.74'	152° 01.46' W	40	7.0	1,066	268	0	70	0
3A	4324	7/04/99	57° 19.18'	152° 19.75' W	24	7.0	956	39	0	0	0
3A	4325	6/17/99	57° 30.04'	151° 04.49' W	45	7.0	3,856	965	0	25	0
3A	4326	6/17/99	57° 29.91'	151° 23.68' W	68	7.0	1,538	575	0	40	0
3A	4327	6/19/99	57° 29.30'	151° 43.16' W	54	7.0	2,309	607	0	41	0
3A	4328	6/16/99	57° 29.71'	152° 01.82' W	25	6.9	4,096	464	0	15	0
3A	4329	6/16/99	57° 39.77'	151° 44.36' W	38	6.8	1,715	834	0	34	0
3A	4330	6/16/99	57° 39.66'	152° 01.19' W	80	6.4	1,890	396	0	73	0
3A	4331	7/26/99	57° 30.17'	154° 54.79' W	125	6.8	826	25	54	34	0
3A	4332	7/26/99	57° 39.44'	154° 35.93' W	119	7.0	947	28	10	20	0
3A	4333	7/26/99	57° 39.77'	154° 53.95' W	127	7.0	939	45	59	35	0
3A	4334	7/27/99	57° 39.94'	155° 13.54' W	163	6.9	903	40	25	34	0
3A	4335	8/02/99	57° 49.64'	154° 15.94' W	113	6.9	1,138	102	10	15	0
3A	4336	8/02/99	57° 49.67'	154° 34.69' W	126	6.8	1,140	21	24	29	0
3A	4337	7/27/99	57° 49.73'	154° 53.42' W	160	6.8	1,257	46	24	10	0
3A	4338	8/01/99	57° 59.73'	153° 37.34' W	88	6.9	984	64	5	15	0
3A	4339	8/01/99	57° 59.79'	153° 55.84' W	109	6.9	1,522	134	10	10	0
3A	4340	8/02/99	57° 59.66'	154° 14.46' W	127	7.0	819	36	20	30	0
3A	4341	8/03/99	58° 09.78'	153° 19.68' W	70	7.5	1,130	137	0	28	0
3A	4342	8/03/99	58° 09.73'	153° 38.44' W	107	6.9	1,253	109	0	5	0
3A	4343	8/01/99	58° 09.09'	153° 58.39' W	117	6.9	1,779	107	25	10	0
3A	4344	8/03/99	58° 19.66'	153° 20.23' W	96	7.0	565	28	0	10	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.

1999 IPHC Stock Assessment Survey

Reg. Area	Station Number	Date Fished	North		Depth (F)	Skates Hauled*	Halibut (pounds)		Bycatch (numbers)**		
			Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
3A	4345	Unsuccessful Station									
3A	4346	8/05/99	58° 19.71'	153° 58.29' W	49	7.0	3,049	236	0	5	0
3A	4347	8/06/99	58° 29.70'	153° 03.21' W	92	7.0	1,141	86	0	10	0
3A	4348	8/06/99	58° 29.68'	153° 21.86' W	100	7.0	1,856	153	0	15	0
3A	4349	8/05/99	58° 30.05'	153° 41.36' W	52	6.9	3,393	122	0	10	0
3A	4350	8/11/99	58° 39.69'	152° 44.84' W	106	7.0	666	37	5	45	0
3A	4351	8/11/99	58° 39.59'	153° 03.50' W	86	7.0	4,845	260	0	25	5
3A	4352	8/06/99	58° 39.64'	153° 23.98' W	27	7.0	1,781	159	5	10	0
3A	4353	8/10/99	58° 49.05'	152° 25.34' W	88	7.0	5,961	46	0	70	0
3A	4354	8/10/99	58° 49.96'	152° 44.91' W	102	7.0	979	92	0	50	0
3A	4355	8/11/99	58° 49.55'	153° 04.24' W	91	6.9	1,930	350	0	64	0
3A	4356	8/09/99	58° 59.48'	151° 47.51' W	66	6.9	3,073	1175	0	0	0
3A	4357	8/09/99	58° 59.70'	152° 08.63' W	65	7.0	2,402	1080	0	0	0
3A	4358	8/10/99	59° 00.52'	152° 26.27' W	87	7.0	4,974	189	0	5	0
3A	4359	8/12/99	58° 59.63'	152° 46.80' W	93	7.0	2,029	149	5	114	0
3A	4360	8/12/99	58° 59.66'	153° 05.65' W	83	6.9	1,784	171	0	122	0
3A	4361	8/27/99	59° 09.82'	152° 07.98' W	78	7.0	1,087	701	0	60	0
3A	4362	8/27/99	59° 10.00'	152° 27.01' W	56	7.0	635	540	0	40	0
3A	4363	8/12/99	59° 09.81'	152° 47.22' W	75	6.9	1,239	136	0	54	0
3A	4364	8/29/99	59° 09.98'	153° 06.02' W	47	7.0	2,494	82	0	25	0
3A	4365	8/29/99	59° 09.96'	153° 25.98' W	21	7.0	467	74	0	5	0
3A	4366	Unsuccessful Station									
3A	4367	8/28/99	59° 20.00'	152° 28.00' W	40	7.0	681	827	0	0	0
3A	4368	8/28/99	59° 19.99'	152° 48.02' W	43	7.0	541	412	0	0	0
3A	4369	8/29/99	59° 19.97'	153° 08.01' W	28	7.0	1,133	82	0	65	0
3A	4370	8/31/99	59° 29.90'	151° 50.03' W	38	7.0	608	207	0	5	0
3A	4371	8/31/99	59° 30.00'	152° 09.00' W	24	7.0	507	276	0	0	0
3A	4372	8/30/99	59° 30.02'	152° 29.01' W	30	7.0	286	26	0	0	0
3A	4373	8/30/99	59° 29.89'	152° 49.02' W	27	7.0	1,890	257	0	10	0
3A	4374	9/01/99	59° 39.91'	152° 30.02' W	43	7.0	1,430	65	0	15	0
3A	4375	9/01/99	59° 50.03'	152° 11.00' W	29	7.0	565	361	0	0	0
3A	4376	Unsuccessful Station									

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

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