

## 2005 IPHC Stock Assessment Survey Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled <sup>1</sup>	Legal Halibut		Sublegal Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4001	6/15	57° 50.02'	137° 13.25'	160	7.0	623	21	24	3	255	0	60
4002	6/15	58° 00.00'	136° 53.86'	223	7.0	0	0	6	1	220	0	15
4003	6/15	58° 00.00'	137° 11.95'	113	7.0	333	13	52	6	99	0	25
4004	6/15	58° 00.00'	137° 30.48'	87	7.0	367	9	12	2	10	0	25
4005	6/14	58° 00.01'	137° 50.13'	98	7.0	780	34	374	49	44	0	25
4006	6/16	58° 10.00'	136° 55.75'	105	7.0	2,286	91	67	8	80	0	5
4007	6/16	58° 10.00'	137° 11.25'	65	7.0	1,208	42	58	9	0	0	0
4008	6/16	58° 10.00'	137° 29.62'	76	7.0	68	3	61	8	0	0	0
4009	6/14	58° 10.00'	137° 48.68'	84	7.0	948	47	64	7	0	0	0
4010	6/14	58° 10.00'	138° 07.81'	81	7.0	764	33	146	21	0	5	0
4011	6/14	58° 10.00'	138° 26.78'	87	7.0	1,556	61	196	24	5	0	30
4012	6/13	58° 10.00'	138° 45.95'	100	7.0	1,828	74	534	67	0	0	106
4013	6/16	58° 20.00'	137° 09.98'	91	7.0	0	0	0	0	0	0	0
4014	6/2	58° 20.00'	137° 29.41'	101	7.0	0	0	0	0	0	0	0
4015	6/2	58° 20.00'	137° 48.08'	93	7.0	0	0	0	0	0	0	0
4016	6/3	58° 20.02'	138° 07.35'	70	7.0	213	11	61	8	0	0	0
4017	6/3	58° 20.00'	138° 26.16'	70	7.0	1,127	68	1,138	152	0	0	0
4018	6/13	58° 20.00'	138° 46.62'	65	7.0	1,323	44	475	75	0	0	20
4019	6/13	58° 20.00'	139° 05.14'	61	7.0	2,311	93	304	40	0	0	84
4020	6/13	58° 20.00'	139° 24.00'	145	7.0	3,203	121	11	1	74	0	25
4021	6/2	58° 30.00'	137° 28.41'	42	7.0	68	2	84	15	0	0	0
4022	6/2	58° 30.00'	137° 46.27'	85	7.0	0	0	0	0	0	0	0
4023	6/3	58° 30.00'	138° 06.79'	72	7.0	91	3	9	1	0	0	0
4024	6/3	58° 30.00'	138° 25.80'	62	7.0	3,262	190	929	117	0	0	5
4025	6/12	58° 30.00'	138° 44.62'	52	7.0	1,549	44	98	13	0	0	0
4026	6/12	58° 30.00'	139° 03.96'	55	7.0	363	10	114	16	0	0	0
4027	6/4	58° 30.01'	139° 22.77'	89	7.0	172	7	24	3	0	0	5
4028	6/4	58° 30.00'	139° 41.60'	135	7.0	1,448	76	120	16	79	0	0
4029	6/11	58° 40.01'	138° 06.23'	49	7.0	1,805	38	19	3	0	0	25
4030	6/11	58° 40.01'	138° 25.16'	72	7.0	0	0	0	0	0	0	0
4031	6/12	58° 40.00'	138° 44.56'	54	7.0	1,799	54	307	47	0	0	15
4032	6/12	58° 40.00'	139° 03.78'	80	7.0	1,972	132	667	77	0	0	0
4033	6/4	58° 40.00'	139° 23.04'	136	7.0	1,988	79	19	2	50	0	0
4034	6/4	58° 40.00'	139° 41.90'	101	7.0	706	22	107	13	5	0	0
4035	6/6	58° 40.02'	140° 00.83'	102	7.0	2,460	78	668	94	35	0	5
4036	6/11	58° 50.00'	138° 05.30'	29	7.0	139	7	175	30	0	0	0
4037	6/11	58° 50.00'	138° 23.96'	39	7.0	176	4	0	0	0	0	10
4038	6/5	58° 50.05'	138° 43.90'	65	7.0	535	35	247	28	0	0	0
4039	6/5	58° 50.02'	139° 02.39'	105	7.0	79	5	0	0	5	0	0
4040	6/6	58° 50.00'	139° 22.70'	73	7.0	53	4	0	0	0	0	5
4041	6/6	58° 50.00'	139° 42.34'	86	7.0	672	30	29	3	0	0	0
4042	6/6	58° 50.00'	140° 01.22'	93	7.0	978	34	127	16	0	0	5
4043	6/5	59° 00.00'	138° 24.12'	34	7.0	461	24	534	85	0	0	0
4044	6/5	59° 00.00'	138° 43.26'	85	7.0	81	2	0	0	0	0	0
4045	6/10	59° 00.01'	139° 02.56'	56	7.0	21	1	0	0	0	0	0
4046	6/10	59° 00.01'	139° 21.90'	59	7.0	0	0	0	0	0	0	0
4047	6/20	59° 00.00'	139° 41.33'	65	7.0	281	12	88	10	0	0	0
4048	6/10	59° 10.00'	139° 02.45'	31	7.0	0	0	0	0	0	0	0
4049	6/10	59° 10.00'	139° 21.32'	53	7.0	39	3	8	1	0	0	0
4051	6/21	58° 50.00'	140° 20.28'	98	7.0	1,645	48	245	30	35	0	0
4052	6/21	58° 50.00'	140° 40.22'	103	7.0	1,926	48	191	25	40	0	5
4053	6/20	59° 00.00'	140° 01.65'	72	7.0	1,454	37	166	19	0	0	0
4054	6/21	59° 00.00'	140° 20.00'	83	7.0	2,539	57	163	18	0	0	0
4055	6/21	59° 00.00'	140° 39.20'	96	7.0	1,431	51	287	36	0	0	0
4056	6/22	59° 00.00'	140° 59.07'	103	7.0	2,843	85	420	58	0	0	5
4057	6/20	59° 10.00'	139° 41.50'	68	7.0	360	21	247	29	0	0	0

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

<sup>2</sup> Weights are calculated from length-weight tables.

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

**2005 IPHC Stock Assessment Survey  
Area 3A**

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled <sup>1</sup>	Legal Halibut		Sublegal Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4058	6/20	59° 10.00'	139° 59.55'	61	7.0	1,381	31	216	29	0	0	0
4059	6/7	59° 10.00'	140° 20.43'	69	7.0	2,758	79	385	49	0	0	0
4060	6/8	59° 10.02'	140° 39.42'	80	7.0	1,564	41	160	20	0	0	0
4061	6/22	59° 10.01'	140° 58.95'	96	7.0	2,678	63	319	41	0	0	0
4062	6/22	59° 10.00'	141° 18.17'	182	7.0	634	21	0	0	250	0	10
4063	6/22	59° 10.00'	141° 37.88'	120	7.0	3,719	113	48	6	190	0	10
4064	6/7	59° 20.00'	139° 39.95'	85	7.0	0	0	0	0	0	0	0
4065	6/7	59° 20.00'	140° 00.12'	87	7.0	40	2	10	1	0	0	0
4066	6/7	59° 20.00'	140° 19.71'	70	7.0	210	5	9	1	0	0	0
4067	6/8	59° 20.00'	140° 39.11'	76	7.0	87	2	0	0	0	0	0
4068	6/8	59° 20.00'	140° 58.92'	87	7.0	1,190	43	182	25	10	0	0
4069	6/8	59° 20.00'	141° 18.18'	180	7.0	6,582	175	21	3	119	0	5
4070	6/23	59° 20.00'	141° 38.61'	102	7.0	1,749	47	139	16	5	0	0
4071	6/23	59° 20.00'	141° 58.50'	117	7.0	2,823	88	159	21	110	5	5
4072	6/25	59° 30.00'	140° 00.22'	62	7.0	18	1	11	1	0	0	0
4073	6/25	59° 30.00'	140° 19.16'	123	7.0	843	25	0	0	75	0	30
4074	6/25	59° 30.00'	140° 38.98'	149	7.0	373	7	12	2	193	0	0
4075	6/24	59° 30.00'	140° 59.05'	159	7.0	395	9	0	0	228	0	64
4076	6/24	59° 30.00'	141° 18.80'	89	7.0	325	17	21	2	0	0	0
4077	6/23	59° 30.00'	141° 38.47'	86	7.0	101	4	0	0	0	0	0
4078	6/23	59° 30.00'	141° 57.81'	96	7.0	433	12	10	1	0	0	0
4079	6/25	59° 40.00'	139° 58.75'	77	7.0	874	32	55	6	5	49	0
4080	6/24	59° 40.01'	140° 58.79'	28	7.0	33	1	0	0	0	0	0
4081	6/24	59° 40.00'	141° 19.44'	35	7.0	235	8	24	4	0	0	0
4082	6/30	59° 40.00'	141° 37.97'	50	7.0	322	5	10	1	0	0	0
4083	6/30	59° 40.00'	141° 58.09'	80	7.0	138	4	9	1	0	0	0
4084	6/30	59° 40.00'	142° 17.84'	117	7.0	744	28	55	6	20	0	5
4085	7/20	59° 40.00'	142° 37.73'	207	7.0	345	8	9	1	149	0	25
4086	7/20	59° 40.00'	142° 58.30'	106	7.0	3,995	133	152	20	0	0	0
4087	7/20	59° 40.00'	143° 17.55'	147	7.0	1,586	35	10	1	60	0	20
4088	7/19	59° 40.00'	143° 35.89'	89	7.0	1,561	37	6	1	0	0	0
4089	7/2	59° 40.00'	143° 57.57'	68	7.0	3,520	88	125	17	0	0	25
4090	7/2	59° 40.01'	144° 17.94'	86	7.0	697	24	33	4	6	0	0
4091	7/2	59° 40.00'	144° 37.31'	79	7.0	495	13	10	1	0	0	0
4092	6/30	59° 50.00'	141° 58.78'	37	7.0	293	11	107	15	0	0	0
4093	7/1	59° 50.00'	142° 18.18'	48	7.0	1,896	50	104	16	0	0	15
4094	7/1	59° 50.00'	142° 37.93'	85	7.0	1,395	40	129	15	0	0	0
4095	7/20	59° 50.00'	142° 58.22'	93	7.0	25	1	0	0	0	0	0
4096	7/19	59° 50.00'	143° 18.24'	119	7.0	784	21	37	5	30	0	0
4097	7/19	59° 50.00'	143° 38.44'	149	7.0	1,082	24	0	0	95	0	40
4098	7/19	59° 50.00'	143° 58.17'	50	7.0	397	12	201	26	0	0	0
4099	7/2	59° 50.00'	144° 18.27'	33	7.0	234	9	228	34	0	10	0
4100	7/1	60° 00.00'	142° 39.61'	43	7.0	2,921	64	101	13	0	0	0
4101	7/1	60° 00.00'	142° 59.49'	61	7.0	509	18	138	18	0	0	0
4102	7/9	59° 20.00'	146° 16.75'	145	7.0	1,579	51	7	1	5	0	160
4103	7/9	59° 20.00'	146° 35.02'	78	7.0	456	15	43	5	0	0	0
4104	7/8	59° 20.00'	146° 55.29'	102	7.0	788	40	7	1	15	0	0
4105	7/8	59° 20.00'	147° 15.07'	99	7.0	3,865	168	36	4	15	0	0
4106	7/3	59° 30.00'	145° 16.23'	70	7.0	1,535	55	230	30	0	0	105
4107	7/3	59° 30.01'	145° 55.18'	90	7.0	1,346	65	17	2	15	0	0
4108	7/9	59° 30.00'	146° 35.30'	50	7.0	68	3	30	4	0	0	0
4109	7/9	59° 30.00'	146° 54.05'	96	7.0	496	12	0	0	20	0	0
4110	7/8	59° 30.00'	147° 14.51'	114	7.0	216	11	0	0	85	0	0
4111	7/8	59° 30.00'	147° 33.97'	61	7.0	534	26	131	16	0	0	0
4112	7/3	59° 40.00'	145° 34.22'	56	7.0	312	8	5	1	0	0	0
4113	7/17	59° 40.00'	145° 54.23'	43	7.0	2,600	100	331	41	0	0	5

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

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<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

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## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled <sup>1</sup>	Legal Halibut		Sublegal Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4114	7/17	59° 40.00'	146° 14.21'	44	7.0	926	43	208	29	0	0	0
4115	7/4	59° 40.00'	146° 34.05'	45	7.0	398	23	220	28	0	0	10
4116	7/4	59° 40.00'	146° 53.11'	58	7.0	106	4	9	1	0	0	0
4117	7/5	59° 40.00'	147° 13.14'	93	7.0	1,450	68	27	3	15	0	0
4118	7/5	59° 40.00'	147° 33.34'	63	7.0	831	36	29	3	0	0	0
4119	7/18	59° 50.02'	144° 58.08'	106	7.0	477	18	22	3	25	15	0
4120	7/17	59° 50.00'	145° 52.87'	56	7.0	150	7	29	3	0	0	0
4121	7/17	59° 50.01'	146° 12.99'	34	7.0	1,206	73	480	57	0	0	0
4122	7/4	59° 50.00'	146° 33.28'	36	7.0	2,007	62	363	44	0	0	10
4123	7/4	59° 50.02'	146° 53.23'	41	7.0	800	53	1,059	145	0	0	0
4124	7/5	59° 50.00'	147° 13.00'	84	7.0	1,105	62	126	15	5	10	0
4125	7/18	60° 00.00'	144° 39.25'	122	7.0	644	27	59	7	54	25	0
4126	7/18	60° 00.00'	144° 59.32'	68	7.0	11	1	0	0	0	0	0
4127	7/18	60° 00.00'	145° 18.99'	65	7.0	127	6	8	1	0	0	0
4128	7/10	60° 00.00'	146° 11.71'	33	7.0	3,763	121	270	33	0	0	0
4129	7/16	60° 00.00'	146° 32.30'	36	7.0	505	33	572	86	0	5	0
4130	7/16	60° 00.00'	146° 52.19'	76	7.0	0	0	0	0	0	0	0
4131	7/16	60° 00.00'	147° 12.38'	96	7.0	272	12	7	1	0	40	0
4132	7/10	60° 10.00'	145° 31.31'	49	7.0	313	9	17	2	5	0	0
4133	7/10	60° 10.00'	145° 51.15'	58	7.0	95	2	0	0	0	0	0
4134	7/10	60° 10.00'	146° 11.02'	43	7.0	514	25	318	45	0	0	0
4135	7/11	60° 10.00'	147° 30.98'	38	7.0	1,466	71	326	41	0	5	25
4136	7/11	60° 10.00'	147° 51.11'	175	7.0	983	52	311	38	25	5	0
4137	7/11	60° 20.06'	147° 31.00'	68	7.0	366	11	14	2	0	20	20
4138	7/15	60° 30.00'	146° 29.27'	35	7.0	401	20	326	40	0	0	0
4139	7/15	60° 30.00'	146° 49.31'	215	7.0	467	19	0	0	50	0	5
4140	7/15	60° 30.00'	147° 10.24'	113	7.0	433	22	39	5	35	25	0
4141	7/15	60° 30.00'	147° 30.16'	109	7.0	629	24	55	7	5	15	40
4142	7/12	60° 29.00'	147° 49.90'	215	7.0	1,167	44	98	13	75	15	30
4143	7/13	60° 40.00'	146° 49.45'	225	7.0	760	35	14	2	79	0	5
4144	7/13	60° 40.00'	147° 08.92'	130	7.0	831	36	141	17	50	20	0
4145	7/13	60° 50.00'	147° 08.52'	168	7.0	828	35	134	16	10	5	5
4146	7/12	60° 49.93'	148° 11.03'	227	7.0	451	24	80	10	15	0	0
4147	8/8	58° 39.73'	148° 33.02'	131	7.0	1,826	67	62	7	155	0	0
4148	8/8	58° 40.09'	148° 52.73'	94	7.0	2,650	110	179	20	140	20	5
4149	8/13	58° 50.20'	148° 15.10'	153	7.0	2,559	113	167	19	114	0	30
4150	8/8	58° 49.95'	148° 33.57'	162	7.0	1,533	40	25	3	297	0	10
4151	8/7	58° 49.83'	148° 53.10'	138	7.0	1,043	42	7	1	351	5	0
4152	8/7	58° 49.91'	149° 10.93'	109	7.0	914	35	0	0	190	10	5
4153	8/12	59° 00.28'	147° 55.22'	220	7.0	107	5	0	0	95	0	0
4154	8/13	58° 59.99'	148° 14.00'	124	7.0	3,494	124	158	18	10	5	0
4155	8/13	58° 59.99'	148° 33.95'	133	7.0	928	26	29	3	243	0	0
4156	8/7	59° 00.07'	148° 52.95'	116	7.0	833	33	8	1	89	0	0
4157	8/7	59° 00.28'	149° 12.02'	112	7.0	529	20	50	6	65	0	0
4158	8/6	59° 00.05'	149° 31.95'	127	7.0	344	16	0	0	84	0	5
4159	8/12	59° 09.97'	147° 35.12'	131	7.0	3,093	119	40	4	74	0	15
4160	8/12	59° 09.96'	147° 53.80'	112	7.0	358	14	28	3	74	0	0
4161	8/14	59° 10.05'	148° 14.31'	67	7.0	5,901	231	631	79	0	0	74
4162	8/14	59° 09.95'	148° 33.37'	84	7.0	6,608	270	232	26	5	0	0
4163	8/20	59° 10.07'	148° 52.87'	97	7.0	199	7	0	0	10	0	0
4164	8/20	59° 09.84'	149° 12.20'	84	7.0	2,389	70	27	3	5	5	0
4165	8/6	59° 09.98'	149° 31.94'	86	7.0	1,709	68	100	12	0	0	0
4166	8/6	59° 09.95'	149° 50.72'	74	7.0	1,860	80	120	16	6	11	0
4167	8/11	59° 20.05'	147° 34.27'	68	7.0	5,287	196	542	69	0	0	15
4168	8/11	59° 20.09'	147° 53.86'	101	7.0	209	3	0	0	20	0	0
4169	8/14	59° 20.12'	148° 13.11'	86	7.0	2,205	81	93	10	15	0	0

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

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						Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4170	8/14	59° 19.91'	148° 32.51'	51	7.0	4,465	155	357	44	0	0	94
4171	8/20	59° 19.88'	148° 52.63'	90	7.0	278	9	0	0	10	0	0
4172	8/21	59° 19.88'	149° 11.24'	104	7.0	2,095	77	27	3	79	10	0
4173	8/21	59° 20.02'	149° 31.75'	69	7.0	3,826	153	215	24	0	30	15
4174	8/18	59° 20.03'	149° 51.41'	104	7.0	767	24	0	0	35	0	0
4175	8/18	59° 19.95'	150° 11.43'	87	7.0	1,748	61	54	6	10	10	0
4176	8/11	59° 30.00'	147° 52.95'	60	7.0	1,888	58	176	25	0	0	5
4177	8/10	59° 30.04'	148° 12.79'	113	7.0	222	4	9	1	5	0	0
4178	8/25	59° 30.09'	148° 32.56'	53	7.0	1,623	63	794	119	0	0	10
4179	8/25	59° 30.20'	148° 52.00'	92	7.0	74	3	0	0	0	0	0
4180	8/21	59° 29.98'	149° 11.66'	122	7.0	1,856	50	21	3	135	25	0
4181	8/22	59° 29.86'	149° 31.73'	56	7.0	2,651	155	1,081	135	0	0	0
4182	8/18	59° 29.77'	149° 52.25'	111	7.0	1,163	42	0	0	30	15	0
4183	8/19	59° 30.16'	150° 10.54'	65	7.0	358	18	102	12	0	0	0
4184	8/10	59° 40.03'	147° 52.44'	38	7.0	2,092	65	194	25	0	0	20
4185	8/10	59° 40.16'	148° 12.98'	69	7.0	269	11	78	10	0	5	0
4186	8/26	59° 40.20'	148° 31.98'	114	7.0	661	16	0	0	35	0	0
4187	8/25	59° 39.97'	148° 51.58'	99	7.0	114	4	27	3	5	0	0
4188	8/22	59° 39.91'	149° 12.27'	113	7.0	442	16	8	1	90	0	0
4189	8/22	59° 39.94'	149° 32.58'	160	7.0	584	17	0	0	45	20	0
4190	8/26	59° 50.03'	148° 11.96'	46	7.0	1,570	72	312	42	0	0	0
4191	8/26	59° 49.84'	148° 32.34'	74	7.0	227	8	4	1	15	0	0
4192	8/27	59° 50.05'	148° 52.27'	92	7.0	530	13	0	0	5	0	0
4193	8/27	59° 49.64'	149° 12.28'	75	7.0	397	17	29	3	5	0	0
4194	8/27	59° 49.95'	149° 31.92'	89	7.0	377	14	27	3	5	0	0
4195	7/24	57° 59.91'	149° 13.00'	75	7.0	8,056	362	539	60	0	0	15
4196	7/30	58° 10.00'	148° 54.16'	71	7.0	6,538	302	466	53	0	10	5
4197	7/24	58° 09.96'	149° 13.00'	63	7.0	7,268	322	1,010	114	0	0	0
4198	7/24	58° 09.91'	149° 32.00'	60	6.9	6,097	253	337	40	0	10	39
4199	7/23	58° 10.00'	149° 51.09'	76	7.0	6,180	278	242	29	10	5	0
4200	7/29	58° 20.00'	148° 35.12'	103	6.8	4,919	240	425	48	34	0	5
4201	7/30	58° 20.00'	148° 54.12'	68	7.0	5,372	193	540	65	0	0	10
4202	7/30	58° 20.00'	149° 12.91'	84	7.0	4,409	243	376	43	25	30	0
4203	7/23	58° 20.00'	149° 31.75'	82	7.0	4,164	253	403	46	5	5	0
4204	7/23	58° 20.00'	149° 50.86'	43	7.2	3,985	222	1,716	196	0	0	0
4205	7/22	58° 20.00'	150° 10.27'	27	2.9	1,290	70	396	50	0	0	0
4206	7/22	58° 20.00'	150° 28.85'	29	2.7	308	17	467	60	0	0	0
4207	7/29	58° 30.00'	148° 34.18'	76	7.0	7,118	324	577	67	0	0	0
4208	7/29	58° 30.00'	148° 53.20'	61	7.0	3,810	149	667	88	0	0	10
4209	7/31	58° 29.99'	149° 13.00'	67	7.0	4,462	196	342	48	0	10	0
4210	7/31	58° 29.99'	149° 32.00'	76	7.0	4,134	206	243	28	80	60	0
4211	8/1	58° 29.89'	149° 51.00'	74	6.8	2,572	135	153	18	34	68	0
4212	7/21	58° 30.00'	150° 10.04'	48	7.0	6,189	304	789	87	0	0	5
4213	7/22	58° 30.00'	150° 28.87'	47	7.0	3,022	197	1,292	153	0	0	0
4214	7/20	58° 30.00'	150° 47.93'	54	7.1	4,562	303	399	41	0	10	0
4215	7/31	58° 39.94'	149° 13.00'	73	7.0	1,798	69	246	31	54	79	15
4216	8/1	58° 40.06'	149° 32.00'	74	7.0	1,798	96	185	22	99	94	0
4217	8/1	58° 39.96'	149° 51.00'	81	6.9	2,074	111	139	15	147	25	0
4218	7/21	58° 40.00'	150° 09.88'	67	7.0	6,760	331	358	42	10	20	0
4219	7/21	58° 40.00'	150° 28.77'	109	7.0	267	16	26	3	79	0	0
4220	7/20	58° 40.00'	150° 48.76'	110	7.0	510	29	30	3	190	0	0
4221	7/20	58° 40.00'	151° 07.61'	102	6.9	702	27	36	4	88	0	0
4222	8/6	58° 50.00'	149° 29.69'	121	7.0	757	28	0	0	139	0	0
4223	8/6	58° 50.00'	149° 50.81'	130	6.9	1,963	74	29	3	78	0	0
4224	8/5	58° 50.00'	150° 09.89'	87	6.8	2,693	96	26	3	179	5	5
4225	7/12	58° 50.14'	150° 30.00'	88	7.0	1,116	62	145	16	75	85	0

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

<sup>2</sup> Weights are calculated from length-weight tables.

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

**2005 IPHC Stock Assessment Survey  
Area 3A**

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled <sup>1</sup>	Legal Halibut		Sublegal Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4226	7/11	58° 50.00'	150° 49.12'	97	7.0	218	11	10	1	30	20	0
4227	7/10	58° 50.00'	151° 07.78'	78	7.0	3,837	201	909	107	5	30	0
4228	7/10	58° 50.00'	151° 27.79'	58	7.0	2,077	123	964	118	0	5	0
4229	8/5	59° 00.00'	149° 51.09'	122	7.0	295	13	0	0	135	0	5
4230	7/12	58° 59.98'	150° 11.00'	103	3.4	420	19	8	1	82	20	0
4231	7/12	59° 00.02'	150° 30.00'	66	7.0	2,178	128	1,210	161	0	0	0
4232	7/11	59° 00.00'	150° 50.06'	90	7.0	2,424	120	232	26	25	0	0
4233	7/9	59° 00.00'	151° 08.72'	83	7.0	808	29	56	6	5	0	0
4234	7/10	59° 00.00'	151° 28.33'	68	7.0	3,571	191	347	41	0	5	0
4235	7/8	59° 10.00'	150° 11.05'	68	7.0	2,100	101	253	31	20	50	0
4236	7/8	59° 10.00'	150° 30.19'	66	7.0	3,269	135	356	42	5	35	0
4237	7/9	59° 10.00'	150° 50.00'	67	7.0	2,824	147	470	52	0	74	30
4238	7/9	59° 10.00'	151° 09.09'	31	7.0	2,310	106	688	85	0	5	25
4239	7/8	59° 20.00'	150° 30.85'	124	7.0	1,726	71	47	5	49	69	20
4240	7/15	57° 19.98'	150° 46.00'	87	7.0	1,431	85	292	33	95	115	20
4241	7/16	57° 30.00'	150° 09.41'	240	7.0	43	2	0	0	85	0	0
4242	7/15	57° 30.00'	150° 28.16'	84	7.0	1,279	87	473	53	10	90	0
4243	7/15	57° 29.87'	150° 46.49'	53	7.0	3,017	171	1,524	179	0	0	0
4244	7/16	57° 40.01'	149° 51.06'	208	7.0	1,699	74	0	0	30	0	45
4245	7/16	57° 40.01'	150° 09.00'	115	7.0	3,910	206	134	15	85	15	0
4246	6/22	57° 39.90'	150° 28.07'	49	7.0	2,022	126	1,299	158	0	15	0
4247	6/21	57° 40.00'	150° 46.98'	46	7.0	4,343	159	380	45	0	15	0
4248	6/21	57° 39.91'	151° 05.01'	39	7.0	2,645	157	1,014	119	0	115	0
4249	7/9	57° 40.03'	151° 23.99'	36	7.0	1,808	102	930	106	0	65	0
4250	7/17	57° 50.02'	149° 32.16'	209	7.0	2,451	94	30	3	94	0	25
4251	7/17	57° 49.91'	149° 50.00'	141	7.0	4,639	220	143	16	0	0	0
4252	6/22	57° 50.00'	150° 08.87'	107	7.0	2,944	162	112	12	45	55	0
4253	6/22	57° 49.95'	150° 28.00'	43	7.0	7,956	348	867	100	0	0	10
4254	6/23	57° 50.00'	150° 46.72'	46	7.0	3,037	151	717	87	0	20	0
4255	6/23	57° 50.00'	151° 05.60'	39	7.0	3,624	149	1,344	148	0	5	0
4256	7/9	57° 49.99'	151° 24.18'	30	7.0	1,073	75	1,647	188	0	5	0
4257	7/9	57° 49.98'	151° 42.52'	28	7.0	1,292	97	1,834	216	0	5	0
4258	7/10	57° 50.00'	152° 01.97'	50	7.0	3,822	176	977	119	0	45	0
4259	7/17	58° 00.01'	149° 30.29'	87	7.0	7,796	326	209	24	0	0	5
4260	7/18	57° 59.91'	149° 51.00'	127	7.0	5,313	223	84	9	115	30	0
4261	7/18	57° 59.48'	150° 09.03'	124	7.0	1,839	93	46	5	75	0	0
4262	7/18	57° 59.98'	150° 27.98'	89	7.0	3,080	185	390	43	15	10	0
4263	7/7	57° 59.78'	150° 46.99'	69	7.0	3,001	173	217	24	40	95	0
4264	6/23	57° 59.92'	151° 06.06'	44	7.0	3,320	171	1,400	160	0	5	0
4265	7/11	57° 59.98'	151° 25.23'	43	7.0	1,697	119	1,487	177	0	15	0
4266	6/26	58° 00.08'	151° 43.99'	65	7.0	2,144	150	507	60	10	110	0
4267	6/26	57° 59.91'	152° 02.99'	97	7.0	1,649	56	55	6	5	120	0
4268	6/26	58° 00.00'	152° 22.20'	103	7.0	1,955	87	117	14	5	146	0
4269	7/19	58° 10.04'	150° 10.00'	81	7.0	9,317	354	88	9	15	5	15
4270	7/7	58° 09.98'	150° 29.00'	62	7.0	6,172	352	704	76	0	0	0
4271	7/7	58° 10.02'	150° 48.02'	60	7.0	2,160	136	261	28	5	165	0
4272	7/11	58° 10.36'	151° 06.97'	82	7.0	1,913	140	743	84	80	5	0
4273	7/11	58° 10.00'	151° 24.88'	90	7.0	1,410	93	571	64	80	30	0
4274	6/27	58° 10.04'	151° 41.97'	34	7.0	2,089	137	1,520	189	0	0	5
4275	6/29	58° 19.98'	150° 49.70'	35	7.0	901	61	983	127	0	20	0
4276	6/29	58° 20.12'	151° 07.13'	70	6.5	2,045	109	373	42	0	33	0
4277	6/28	58° 20.05'	151° 26.00'	47	7.0	3,026	221	1,520	171	5	10	0
4278	6/27	58° 19.98'	151° 44.99'	32	7.0	2,025	97	279	32	0	30	0
4279	6/29	58° 29.98'	151° 06.96'	57	7.0	1,529	112	839	100	0	35	0
4280	6/28	58° 29.95'	151° 27.02'	94	7.0	3,227	174	257	27	65	45	0
4281	6/30	58° 30.43'	151° 46.00'	101	7.0	2,827	135	122	13	30	120	0

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

<sup>2</sup> Weights are calculated from length-weight tables.

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

**2005 IPHC Stock Assessment Survey  
Area 3A**

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled <sup>1</sup>	Legal Halibut		Sublegal Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4282	6/30	58° 39.98'	151° 27.30'	101	7.0	3,732	180	188	20	45	45	0
4283	6/30	58° 39.96'	151° 46.05'	70	7.0	5,502	259	419	47	10	35	0
4284	7/1	58° 39.98'	152° 05.79'	70	7.0	2,825	154	361	43	25	10	0
4285	7/1	58° 49.00'	152° 05.76'	60	7.0	3,743	152	415	50	0	0	10
4286	6/3	56° 20.02'	152° 50.02'	62	7.0	5,126	277	355	42	25	35	0
4287	6/2	56° 20.00'	153° 08.15'	48	7.0	4,126	227	478	62	0	0	0
4288	6/2	56° 20.02'	153° 26.08'	33	7.0	4,814	265	986	114	0	0	0
4289	6/4	56° 30.02'	152° 14.99'	120	7.0	2,608	150	191	22	40	15	25
4290	6/3	56° 29.88'	152° 33.00'	149	7.0	4,146	220	103	11	80	0	5
4291	6/3	56° 30.00'	152° 50.99'	28	7.0	7,206	367	1,042	120	0	15	0
4292	6/2	56° 30.04'	153° 08.98'	34	7.0	3,192	183	881	102	0	31	0
4293	6/1	56° 29.80'	153° 26.95'	47	7.0	1,586	85	519	67	0	45	0
4294	5/31	56° 30.11'	153° 45.01'	38	7.0	3,849	157	430	56	0	85	0
4295	6/4	56° 40.00'	151° 57.50'	32	7.0	7,193	353	762	87	0	0	0
4296	6/4	56° 39.91'	152° 15.01'	25	7.0	6,077	267	1,436	171	0	0	0
4297	6/12	56° 40.01'	152° 33.94'	78	6.9	739	43	221	28	49	5	0
4298	6/12	56° 40.01'	152° 52.01'	38	7.0	2,885	179	1,618	208	0	0	0
4299	6/1	56° 40.09'	153° 10.01'	83	7.0	874	41	61	7	0	25	0
4300	6/1	56° 40.00'	153° 28.00'	80	7.0	2,924	145	282	33	0	59	0
4301	5/31	56° 40.01'	153° 45.04'	46	7.0	2,172	117	870	109	0	54	0
4302	6/5	56° 50.01'	151° 40.03'	161	7.0	862	50	82	10	99	5	20
4303	6/13	56° 50.02'	151° 58.08'	43	7.0	5,636	263	1,411	162	0	0	0
4304	6/13	56° 50.00'	152° 16.00'	53	7.0	4,039	285	1,298	143	0	0	0
4305	6/13	56° 49.95'	152° 35.00'	75	7.0	539	31	10	1	10	0	0
4306	6/11	56° 50.00'	152° 53.11'	35	6.9	1,767	114	2,156	268	0	0	0
4307	6/11	56° 49.98'	153° 11.02'	46	7.0	5,728	300	683	83	0	0	0
4308	6/11	56° 49.92'	153° 29.00'	54	7.0	2,215	125	836	103	0	55	0
4309	6/5	56° 59.92'	151° 39.50'	41	7.0	5,256	276	572	75	0	0	10
4310	6/14	57° 00.00'	151° 59.09'	45	7.0	1,172	91	2,114	263	0	10	0
4311	6/10	57° 00.03'	152° 17.02'	42	7.0	4,328	218	1,493	175	0	0	0
4312	6/10	57° 00.01'	152° 35.01'	85	7.0	1,098	53	53	6	79	5	0
4313	6/10	57° 00.12'	152° 54.06'	62	7.0	2,326	123	341	41	5	100	0
4314	6/20	57° 10.21'	151° 04.02'	204	7.0	400	21	24	3	180	0	10
4315	6/20	57° 10.01'	151° 21.97'	69	7.0	3,372	177	236	26	40	70	0
4316	6/14	57° 10.00'	151° 41.07'	41	7.0	1,542	111	1,618	203	0	45	0
4317	6/14	57° 10.00'	151° 59.20'	40	7.0	2,046	123	1,441	173	0	10	0
4318	6/9	57° 09.98'	152° 17.99'	45	7.0	1,795	114	899	108	0	15	0
4319	6/9	57° 09.92'	152° 36.16'	53	6.0	1,117	61	252	29	0	74	0
4320	6/20	57° 19.99'	151° 04.12'	49	7.0	4,445	209	442	58	0	50	0
4321	7/8	57° 19.90'	151° 23.02'	73	7.0	2,975	188	417	48	75	35	0
4322	6/19	57° 20.04'	151° 41.06'	34	7.0	1,757	133	2,417	274	0	0	0
4323	6/19	57° 19.91'	151° 59.99'	39	7.0	1,735	127	1,306	149	0	30	0
4324	6/9	57° 20.00'	152° 17.95'	23	7.0	4,238	141	314	39	0	5	0
4325	6/21	57° 29.98'	151° 05.00'	43	7.0	4,511	208	792	102	0	20	0
4326	7/8	57° 29.44'	151° 23.05'	49	7.0	1,872	127	791	96	10	65	0
4327	7/8	57° 30.15'	151° 42.00'	64	7.0	2,433	182	887	102	0	99	0
4328	6/19	57° 29.95'	152° 00.99'	26	7.0	4,563	205	842	95	0	20	0
4329	7/10	57° 39.70'	151° 42.98'	36	7.0	2,041	152	1,570	170	0	30	0
4330	7/10	57° 39.50'	152° 00.98'	91	7.0	3,364	177	388	42	30	81	0
4331	6/8	57° 30.15'	154° 55.78'	126	7.0	1,442	71	184	21	60	25	0
4332	6/9	57° 39.91'	154° 35.22'	119	7.0	741	30	62	7	55	90	0
4333	6/8	57° 40.03'	154° 54.03'	128	7.0	1,528	66	98	11	85	30	0
4334	6/8	57° 39.96'	155° 13.08'	163	7.0	616	28	63	8	75	0	0
4335	6/13	57° 50.07'	154° 15.88'	112	7.0	1,006	46	60	8	5	0	0
4336	6/10	57° 49.70'	154° 34.27'	126	7.0	663	30	126	15	85	0	0
4337	6/9	57° 50.06'	154° 53.36'	159	7.0	919	39	73	8	35	0	0

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

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<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

**2005 IPHC Stock Assessment Survey  
Area 3A**

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled <sup>1</sup>	Legal Halibut		Sublegal Halibut		Bycatch (numbers) <sup>3</sup>			
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish	
4338	6/4	57° 59.83'	153° 37.39'	89	7.0	1,649	86	429	52	0	10	0	
4339	6/13	58° 00.20'	153° 55.98'	109	7.0	1,057	51	91	12	5	0	0	
4340	6/10	57° 59.80'	154° 14.39'	127	7.0	716	37	88	11	35	0	0	
4341	6/4	58° 10.10'	153° 19.36'	70	7.0	956	68	834	102	0	40	0	
4342	6/4	58° 09.98'	153° 38.21'	106	7.0	1,448	52	127	14	15	99	0	
4343	6/11	58° 09.77'	153° 57.28'	116	7.0	1,245	66	181	22	20	25	0	
4344	6/21	58° 19.87'	153° 19.83'	94	7.0	664	29	49	5	0	20	0	
4345	6/11	58° 19.93'	153° 39.19'	96	7.0	1,601	75	238	29	0	84	0	
4346	6/11	58° 20.11'	153° 58.34'	41	7.0	1,926	68	383	51	0	54	0	
4347	6/3	58° 29.95'	153° 02.19'	92	7.0	1,959	90	174	22	40	90	0	
4348	6/21	58° 30.09'	153° 21.09'	98	7.0	976	50	209	25	0	64	0	
4349	6/21	58° 29.95'	153° 41.12'	52	7.0	1,829	67	165	21	0	85	0	
4350	6/3	58° 40.23'	152° 43.94'	108	7.0	742	39	71	8	65	70	0	
4351	6/3	58° 39.97'	153° 03.16'	87	7.0	3,068	137	268	30	5	99	0	
4352	8/4	58° 39.77'	153° 23.14'	27	7.0	423	17	82	11	0	0	0	
4353	6/2	58° 49.89'	152° 25.82'	94	7.0	1,617	67	46	7	20	40	0	
4354	6/2	58° 50.06'	152° 44.94'	104	7.0	648	30	152	19	5	85	0	
4355	8/4	58° 49.70'	153° 04.16'	90	7.0	2,416	87	177	21	0	15	0	
4356	6/1	59° 00.28'	151° 48.17'	75	7.0	4,005	205	630	71	0	0	0	
4357	6/1	59° 00.26'	152° 07.40'	83	7.0	5,769	291	945	110	0	10	0	
4358	6/2	59° 00.04'	152° 26.94'	81	7.0	1,277	73	330	40	5	65	0	
4359	8/5	58° 59.95'	152° 46.20'	92	7.0	2,346	108	190	21	0	183	0	
4360	8/4	58° 59.97'	153° 04.92'	84	7.0	1,801	74	239	31	0	45	0	
4361	6/1	59° 09.93'	152° 07.88'	77	7.0	2,102	121	699	84	0	5	0	
4362	8/5	59° 10.00'	152° 26.60'	56	7.0	1,338	79	1,057	142	0	0	0	
4363	8/5	59° 10.39'	152° 47.11'	77	7.0	1,110	43	228	28	0	205	0	
4364	6/18	59° 10.05'	153° 06.22'	47	7.0	2,596	97	639	76	0	99	0	
4365	6/18	59° 10.03'	153° 25.11'	23	7.0	2,878	113	216	31	0	0	0	
4366	5/31	59° 20.16'	152° 09.02'	39	7.0	2,415	151	1,511	195	0	0	0	
4367	5/31	59° 20.10'	152° 28.19'	40	7.0	2,239	129	1,303	161	0	0	0	
4368	6/17	59° 19.76'	152° 47.55'	42	7.0	1,213	70	669	87	0	50	0	
4369	6/17	59° 19.80'	153° 07.47'	28	7.0	2,313	100	348	43	0	75	0	
4370	5/30	59° 29.91'	151° 49.98'	40	7.0	2,493	158	828	107	0	10	0	
4371	5/30	59° 30.00'	152° 09.10'	23	7.0	2,168	144	1,173	149	0	0	0	
4372	5/31	59° 30.27'	152° 28.96'	32	7.0	1,818	112	1,404	189	0	30	0	
4373	6/17	59° 30.05'	152° 49.02'	28	7.0	2,541	126	413	51	0	65	0	
4374	6/16	59° 39.86'	152° 29.84'	44	7.0	2,946	117	218	25	0	270	0	
4375	6/16	59° 50.15'	152° 11.20'	28	7.0	1,177	77	1,327	176	0	0	0	
<b>374 Total Effective 3A Stations</b>						<b>Totals</b>	<b>718,760</b>	<b>33,254</b>	<b>125,866</b>	<b>15,307</b>	<b>9,819</b>	<b>6,284</b>	<b>1,871</b>

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

<sup>2</sup> Weights are calculated from length-weight tables.

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.