

2005 IPHC Stock Assessment Survey

Area 2A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs ²	#'s	Lbs ²	#'s	Sablefish	P. Cod	Rockfish
1001	8/6	42° 00.06'	124° 27.05'	51	7.0	0	0	16	2	5	0	0
1002	8/6	42° 10.04'	124° 26.98'	51	7.0	13	1	53	6	0	0	0
1003	8/5	42° 20.03'	124° 41.03'	153	7.0	47	3	10	1	79	0	5
1004	8/5	42° 29.88'	124° 41.00'	62	7.0	268	8	18	2	0	0	0
1005	8/5	42° 39.98'	124° 40.06'	78	7.0	28	1	8	1	0	0	0
1006	8/4	42° 49.98'	124° 40.02'	44	7.0	0	0	0	0	0	0	0
1007	8/4	42° 50.03'	124° 53.99'	215	7.0	26	2	0	0	130	0	0
1008	8/3	42° 59.84'	124° 40.05'	70	7.0	0	0	0	0	0	0	0
1009	8/4	43° 00.03'	124° 54.06'	218	7.0	31	2	9	1	270	0	0
1010	8/3	43° 09.98'	124° 40.02'	78	7.0	16	1	7	1	40	0	30
1011	8/3	43° 19.95'	124° 40.03'	101	7.0	0	0	8	1	35	0	0
1012	8/1	43° 30.08'	124° 26.05'	61	7.0	14	1	9	1	5	0	0
1013	8/1	43° 30.10'	124° 40.11'	204	7.0	0	0	26	3	55	0	0
1014	7/31	43° 39.84'	124° 26.08'	66	7.0	11	1	0	0	0	0	0
1015	8/1	43° 40.05'	124° 40.14'	225	7.0	111	3	0	0	69	0	5
1016	7/31	43° 50.03'	124° 26.05'	65	7.0	0	0	0	0	0	0	10
1017	7/31	43° 50.02'	124° 39.91'	192	7.0	31	2	0	0	115	0	0
1018	7/30	43° 59.92'	124° 25.98'	67	7.0	0	0	0	0	10	0	0
1019	7/29	44° 00.04'	124° 39.98'	75	7.0	0	0	17	2	10	0	0
1020	7/29	43° 59.92'	124° 54.03'	50	7.0	321	13	36	4	0	0	40
1021	7/27	44° 10.04'	124° 12.02'	30	7.0	0	0	0	0	0	0	0
1022	7/30	44° 09.93'	124° 26.00'	55	7.0	0	0	0	0	0	0	0
1023	7/30	44° 10.01'	124° 40.00'	64	7.0	51	3	23	3	10	0	0
1024	7/29	44° 09.93'	124° 53.96'	68	7.0	39	2	0	0	99	0	15
1025	7/27	44° 20.02'	124° 12.04'	30	7.0	0	0	0	0	0	0	0
1026	7/28	44° 19.96'	124° 26.06'	49	7.0	406	18	45	5	0	0	0
1027	7/28	44° 19.94'	124° 39.83'	52	7.0	121	7	143	19	0	0	0
1028	7/24	44° 29.98'	124° 12.02'	30	7.0	23	1	0	0	0	0	0
1029	7/28	44° 30.02'	124° 40.02'	118	7.0	401	29	343	41	145	0	0
1030	7/24	44° 39.91'	124° 11.08'	33	7.0	0	0	0	0	0	0	0
1031	7/24	44° 39.91'	124° 25.05'	51	7.0	152	7	28	4	0	0	15
1032	7/25	44° 40.04'	124° 40.00'	159	7.0	66	2	0	0	40	0	0
1033	7/25	44° 40.02'	124° 54.34'	288	7.0	0	0	0	0	135	0	0
1034	7/21	44° 49.95'	124° 11.04'	42	7.0	0	0	0	0	0	0	0
1035	7/20	44° 49.89'	124° 25.03'	82	7.0	279	14	0	0	35	0	0
1036	7/25	44° 50.02'	124° 38.93'	186	7.0	287	12	0	0	59	0	5
1037	7/21	44° 59.96'	124° 11.04'	60	7.0	0	0	27	3	0	0	0
1038	7/20	44° 59.81'	124° 25.05'	146	7.0	390	16	7	1	185	0	0
1039	7/20	45° 00.07'	124° 39.10'	249	7.0	0	0	0	0	55	0	0
1040	7/19	45° 09.95'	124° 10.97'	71	7.0	0	0	0	0	0	0	0
1041	7/19	45° 09.91'	124° 24.89'	202	7.0	0	0	0	0	75	0	0
1042	7/19	45° 19.93'	124° 10.96'	71	7.0	44	3	7	1	0	0	0
1043	7/18	45° 19.94'	124° 25.16'	199	7.0	0	0	0	0	100	0	0
1044	7/18	45° 20.05'	124° 39.09'	252	7.0	0	0	0	0	168	0	0
1045	7/17	45° 29.95'	124° 11.04'	67	7.1	0	0	0	0	0	0	0
1046	7/17	45° 29.88'	124° 25.04'	112	7.0	39	1	17	2	105	0	0
1047	7/18	45° 30.20'	124° 39.15'	255	7.0	0	0	0	0	114	0	10
1048	7/17	45° 39.95'	124° 10.10'	57	7.0	0	0	28	3	5	0	0
1049	7/16	45° 39.93'	124° 25.25'	93	7.0	0	0	0	0	35	0	5
1050	7/16	45° 39.98'	124° 39.03'	180	7.0	52	4	0	0	205	0	20

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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Area 2A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs ²	#'s	Lbs ²	#'s	Sablefish	P. Cod	Rockfish
1051	7/4	45° 49.92'	124° 09.95'	52	7.0	12	1	18	2	5	0	0
1052	7/15	45° 49.97'	124° 24.98'	82	7.0	115	5	0	0	40	0	0
1053	7/16	45° 50.06'	124° 38.93'	109	7.0	27	2	8	1	255	0	0
1054	7/4	45° 59.92'	124° 09.97'	47	7.0	65	3	27	3	0	0	0
1055	7/4	46° 00.02'	124° 24.09'	76	7.0	44	2	0	0	55	0	0
1056	7/3	45° 59.95'	124° 39.03'	102	7.0	151	5	0	0	158	0	0
1057	7/3	46° 10.00'	124° 39.00'	131	7.0	184	8	0	0	297	0	5
1058	7/3	46° 19.86'	124° 23.91'	64	7.0	49	1	16	2	10	0	0
1059	7/2	46° 29.96'	124° 24.08'	51	7.0	0	0	0	0	10	0	0
1060	7/2	46° 40.02'	124° 23.99'	44	7.0	0	0	13	2	0	0	0
1061	7/1	46° 40.06'	124° 38.05'	74	7.0	120	8	52	6	25	0	0
1062	7/2	46° 50.00'	124° 23.96'	37	7.0	28	2	55	7	0	0	0
1063	7/1	46° 49.98'	124° 38.03'	65	7.0	44	2	0	0	0	0	0
1064	7/1	46° 50.07'	124° 53.02'	112	7.0	379	22	126	14	193	0	0
1065	6/29	47° 00.02'	124° 24.03'	29	7.0	217	9	0	0	0	0	0
1066	6/30	46° 59.93'	124° 38.03'	52	7.0	0	0	33	4	0	5	0
1067	6/30	47° 00.00'	124° 52.97'	91	7.0	43	1	0	0	5	0	0
1068	6/29	47° 10.00'	124° 24.02'	24	7.0	45	2	7	1	0	0	15
1069	6/29	47° 09.92'	124° 38.06'	48	7.0	23	2	5	1	0	0	0
1070	6/30	47° 10.02'	124° 52.97'	83	7.0	66	4	10	1	25	0	0
1071	7/7	47° 19.99'	124° 37.90'	47	7.0	167	9	77	9	0	0	0
1072	7/7	47° 30.11'	124° 53.21'	83	7.0	214	11	8	1	85	0	0
1073	7/8	47° 40.08'	124° 37.86'	25	7.0	101	3	9	1	0	0	0
1074	7/8	47° 39.88'	124° 53.06'	61	7.0	171	8	9	1	0	0	0
1075	7/11	47° 50.03'	124° 53.09'	52	7.0	24	2	17	2	0	0	0
1076	7/12	47° 50.17'	125° 07.93'	140	7.0	497	20	23	3	200	0	5
1077	7/11	47° 59.86'	124° 53.08'	35	7.1	136	8	17	3	0	0	0
1078	7/11	47° 59.94'	125° 08.04'	78	7.0	1,070	53	173	20	0	5	0
1079	7/10	48° 00.05'	125° 37.89'	160	7.0	2,071	97	65	7	106	0	10
1080	7/9	48° 10.05'	124° 52.98'	32	7.0	140	6	0	0	0	0	0
1081	7/9	48° 10.13'	125° 08.09'	82	7.0	74	6	45	5	40	0	45
1082	7/10	48° 10.09'	125° 23.01'	61	7.0	1,479	96	1,110	140	0	0	46
1083	7/10	48° 10.04'	125° 37.98'	92	6.3	4,505	232	56	6	86	0	0
1084	7/9	48° 19.98'	125° 23.00'	66	7.0	468	24	18	2	0	0	0
84 Total Effective 2A Stations					Totals	15,997	811	2,879	351	3,988	10	286

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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Area 2B

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers)		
						Lbs ²	#'s	Lbs ²	#'s	Sablefish	P. Cod	Rockfish
2001	6/1	48° 20.00'	125° 38.02'	76	7.0	0	0	0	0	0	0	0
2002	6/1	48° 20.00'	125° 52.89'	210	7.0	253	7	0	0	129	0	48
2003	5/31	48° 30.02'	125° 22.85'	78	7.0	20	1	0	0	#N/A	#N/A	#N/A
2004	6/1	48° 29.98'	125° 37.88'	58	7.1	0	0	10	1	#N/A	#N/A	#N/A
2005	6/2	48° 30.02'	125° 53.14'	57	7.1	21	1	0	0	0	0	10
2006	6/2	48° 30.00'	126° 08.11'	110	7.1	383	16	26	3	219	1	1
2007	5/31	48° 40.01'	125° 07.45'	34	6.9	1,154	47	142	16	0	0	79
2008	5/31	48° 40.02'	125° 22.94'	35	6.9	1,329	62	395	47	0	20	61
2009	6/3	48° 40.03'	125° 38.10'	61	7.0	95	5	28	3	0	0	2
2010	6/3	48° 40.01'	125° 53.05'	39	7.1	268	19	549	69	0	0	0
2011	6/2	48° 40.00'	126° 08.02'	77	7.0	35	2	0	0	20	0	1
2012	6/3	48° 50.00'	125° 37.06'	24	7.0	1,731	49	47	5	0	0	52
2013	6/3	48° 50.03'	125° 53.33'	32	7.0	1,109	48	254	30	0	0	17
2014	6/4	48° 50.00'	126° 08.30'	58	7.0	26	2	0	0	0	0	0
2015	6/4	48° 50.00'	126° 23.08'	96	7.1	119	6	20	2	158	4	23
2016	6/4	49° 00.00'	126° 07.93'	37	7.0	248	14	58	7	0	0	6
2017	6/4	49° 00.00'	126° 22.87'	74	7.1	29	2	9	1	20	0	0
2018	6/5	49° 00.00'	126° 38.04'	121	7.1	270	16	64	7	#N/A	#N/A	#N/A
2019	6/8	49° 09.99'	126° 23.14'	46	7.0	12	1	125	18	0	0	0
2020	6/5	49° 10.02'	126° 38.19'	67	7.0	0	0	7	1	0	0	0
2021	6/5	49° 10.00'	126° 53.16'	95	7.0	596	34	129	16	38	3	0
2023	6/8	49° 20.03'	126° 22.94'	21	7.0	169	8	95	15	0	0	0
2024	6/8	49° 20.00'	126° 37.99'	37	3.4	608	24	28	3	0	0	22
2025	6/9	49° 19.98'	126° 53.16'	75	7.0	194	9	48	6	10	0	1
2026	6/9	49° 20.00'	127° 08.96'	100	7.0	519	23	8	1	212	0	5
2027	6/9	49° 30.02'	126° 38.17'	22	7.0	453	20	82	10	0	0	1
2028	6/9	49° 30.00'	126° 53.11'	50	7.0	51	4	268	38	0	2	0
2029	6/10	49° 31.08'	127° 05.69'	72	7.0	46	2	0	0	25	0	0
2030	6/10	49° 40.00'	127° 09.07'	62	7.0	27	2	70	9	11	3	0
2031	6/10	49° 40.00'	127° 24.02'	132	7.0	905	47	63	8	175	0	19
2032	6/11	49° 49.99'	127° 24.16'	43	7.0	1,191	66	689	88	0	0	1
2033	6/11	49° 50.00'	127° 40.30'	95	7.0	198	9	11	2	40	1	13
2034	6/11	50° 00.00'	127° 39.89'	46	7.0	323	22	704	91	0	0	17
2035	6/12	50° 19.99'	128° 11.02'	87	7.0	649	34	65	8	27	0	21
2037	6/12	50° 30.00'	128° 26.97'	102	7.0	878	35	31	4	117	0	62
2038	6/15	50° 39.99'	128° 28.07'	48	7.0	358	16	539	71	0	0	35
2039	6/15	50° 40.00'	128° 44.07'	103	7.0	135	8	42	6	24	0	34
2040	6/15	50° 49.98'	128° 27.99'	30	7.0	1,423	51	411	53	0	0	10
2041	7/6	51° 00.03'	127° 57.08'	62	7.0	97	7	201	28	2	1	0
2042	7/6	51° 00.00'	128° 13.16'	54	7.0	255	19	525	72	6	0	5
2043	7/6	51° 10.00'	127° 56.15'	67	7.0	197	14	109	13	1	1	0
2044	6/16	50° 50.02'	128° 59.87'	47	7.1	1,827	51	221	30	0	0	29
2045	6/16	50° 50.02'	129° 15.99'	66	7.0	999	48	694	96	1	0	36
2046	7/5	50° 59.99'	128° 28.03'	50	7.0	615	34	543	67	0	0	16
2047	7/5	50° 59.98'	128° 44.10'	35	7.0	745	30	241	32	0	0	2
2048	6/16	51° 00.00'	129° 00.08'	44	7.0	264	9	320	42	0	0	0
2049	6/17	51° 00.01'	129° 16.09'	87	7.0	54	3	181	23	77	2	1
2050	6/17	51° 00.00'	129° 32.05'	132	7.0	1,950	54	116	13	59	1	73
2051	7/6	51° 10.00'	128° 12.10'	54	7.0	540	27	307	40	0	0	30
2052	7/5	51° 09.98'	128° 27.89'	105	6.6	177	12	95	11	6	0	10
2053	7/1	51° 10.02'	128° 43.90'	54	7.0	113	9	688	97	0	0	0
2054	7/1	51° 10.00'	129° 00.08'	73	7.0	200	14	483	63	11	1	0

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² Weights are calculated from length-weight tables.

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Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers)		
						Lbs ²	#'s	Lbs ²	#'s	Sablefish	P. Cod	Rockfish
2055	6/17	51° 10.02'	129° 18.46'	154	7.0	897	35	82	9	210	0	19
2056	6/17	51° 10.02'	129° 31.99'	155	7.0	783	35	156	19	123	0	4
2057	7/7	51° 20.02'	127° 55.01'	76	7.0	48	2	43	5	3	0	2
2058	7/7	51° 19.99'	128° 11.20'	44	7.1	17	1	257	36	0	0	0
2059	6/30	51° 20.02'	128° 27.09'	81	7.0	26	1	79	10	15	0	5
2060	6/30	51° 19.99'	128° 42.92'	114	7.0	239	15	113	14	72	0	29
2061	7/1	51° 20.01'	128° 58.97'	133	7.0	432	21	42	5	100	1	35
2062	6/20	51° 20.02'	129° 14.88'	128	7.0	313	23	302	36	65	0	14
2063	6/20	51° 20.00'	129° 31.04'	111	7.0	380	24	76	9	55	0	6
2064	6/18	51° 20.09'	129° 47.03'	130	7.0	229	11	28	3	121	0	10
2065	7/7	51° 30.04'	128° 11.33'	46	7.0	367	12	85	10	0	0	81
2066	6/30	51° 30.01'	128° 26.91'	102	7.0	68	3	0	0	66	0	17
2067	6/30	51° 29.98'	128° 42.70'	50	7.0	142	9	104	14	0	0	0
2068	6/29	51° 29.99'	128° 58.92'	25	7.0	405	21	121	15	2	0	3
2069	6/29	51° 29.98'	129° 14.93'	27	7.0	383	17	91	11	0	0	13
2070	6/20	51° 30.05'	129° 31.13'	54	7.0	2,770	87	353	42	0	0	75
2071	6/18	51° 29.98'	129° 46.99'	92	7.0	672	26	113	14	48	2	95
2072	6/18	51° 30.02'	130° 02.90'	151	7.0	775	29	21	2	50	0	49
2073	6/26	51° 39.98'	128° 25.94'	79	7.0	94	6	85	11	6	1	15
2074	6/29	51° 40.01'	128° 58.92'	27	7.0	14	1	8	1	0	0	0
2075	6/29	51° 39.72'	129° 14.81'	31	7.0	21	1	9	1	0	0	0
2076	6/19	51° 39.99'	129° 30.91'	51	7.0	171	11	274	40	0	0	1
2077	6/19	51° 40.01'	129° 46.83'	139	7.0	99	6	44	5	76	0	10
2078	6/26	51° 50.00'	128° 26.03'	76	7.1	496	18	150	21	4	0	40
2079	6/26	51° 49.95'	128° 42.08'	55	7.0	270	21	925	123	1	0	0
2080	6/28	51° 49.97'	128° 57.99'	45	7.0	326	20	217	25	0	0	14
2081	6/28	51° 49.97'	129° 13.88'	67	7.0	157	11	295	37	0	0	0
2082	6/19	51° 50.09'	129° 31.12'	138	7.0	184	8	23	3	41	0	26
2083	6/27	52° 00.00'	128° 41.85'	90	7.0	74	4	33	4	3	0	24
2084	6/27	52° 00.00'	128° 58.05'	74	7.0	327	21	471	57	0	0	4
2085	6/28	51° 59.98'	129° 14.08'	98	7.0	59	4	25	3	3	0	8
2086	6/27	52° 09.98'	128° 40.92'	119	7.0	116	6	42	5	6	0	46
2087	6/17	51° 39.97'	130° 03.00'	193	7.0	177	8	0	0	145	0	41
2088	6/17	51° 40.18'	130° 19.05'	139	7.0	360	14	9	1	71	0	87
2089	6/18	51° 50.30'	129° 46.76'	138	7.0	224	10	45	6	33	0	27
2090	6/18	51° 50.19'	130° 02.99'	97	6.9	918	35	50	6	49	5	43
2091	6/17	51° 50.13'	130° 18.99'	117	7.0	3,339	114	112	13	33	2	85
2092	6/14	51° 50.58'	130° 32.84'	147	7.0	1,876	77	218	25	67	0	5
2093	6/14	51° 50.09'	130° 51.80'	103	6.6	1,677	53	49	7	10	0	122
2094	6/18	51° 59.98'	129° 29.99'	114	7.0	218	8	33	4	52	3	37
2095	6/11	51° 59.86'	129° 46.93'	62	7.0	1,153	35	262	36	0	0	29
2096	6/18	52° 00.26'	130° 02.98'	76	7.0	486	23	422	63	0	0	6
2097	6/13	51° 59.74'	130° 19.01'	192	7.0	163	4	21	3	124	0	4
2098	6/12	51° 59.95'	130° 34.98'	136	7.0	839	27	29	4	61	0	5
2099	6/12	51° 59.83'	130° 51.78'	107	7.0	452	19	183	22	0	2	11
2100	6/10	52° 10.13'	128° 57.03'	89	7.0	554	28	209	24	2	2	95
2101	6/10	52° 10.19'	129° 14.02'	96	7.0	12	1	96	11	18	0	15
2102	6/11	52° 09.70'	129° 29.98'	117	7.0	128	3	18	2	12	0	65
2103	6/11	52° 09.69'	129° 45.97'	111	7.0	103	4	18	2	2	0	4
2104	6/13	52° 09.84'	130° 03.02'	90	7.0	104	8	151	17	0	2	4
2105	6/13	52° 09.86'	130° 18.96'	223	7.0	16	1	0	0	115	0	12
2106	6/4	52° 09.98'	130° 35.04'	106	7.0	880	33	71	8	2	1	51

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

² Weights are calculated from length-weight tables.

2005 IPHC Stock Assessment Survey

Area 2B

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers)		
						Lbs ²	#'s	Lbs ²	#'s	Sablefish	P. Cod	Rockfish
2107	6/4	52° 10.34'	130° 52.02'	121	7.0	1,416	59	144	17	7	1	2
2108	6/10	52° 19.98'	129° 13.01'	83	7.0	948	52	420	53	0	5	92
2109	6/5	52° 19.94'	129° 30.00'	97	7.0	186	5	35	4	12	1	17
2110	6/5	52° 19.87'	129° 46.03'	115	7.0	807	46	133	15	0	2	92
2111	6/9	52° 20.02'	130° 03.10'	123	7.0	339	12	33	5	1	3	8
2112	6/3	52° 20.20'	130° 19.04'	192	7.0	1,893	46	10	1	98	0	39
2113	6/3	52° 20.14'	130° 34.99'	91	7.0	965	36	117	15	1	0	2
2114	6/19	52° 20.08'	130° 52.00'	79	7.0	556	36	305	35	0	4	4
2115	6/5	52° 30.09'	129° 31.95'	55	7.0	119	7	76	10	0	0	7
2116	6/9	52° 30.00'	129° 46.01'	98	7.0	974	44	37	4	10	4	44
2117	6/9	52° 30.09'	130° 02.04'	148	7.0	305	10	21	3	28	0	27
2118	6/3	52° 29.99'	130° 18.95'	143	7.0	324	12	33	4	35	0	26
2119	6/19	52° 29.82'	130° 35.03'	67	7.0	1,225	46	410	54	1	1	75
2120	6/19	52° 30.03'	130° 52.00'	59	7.0	1,232	42	331	42	0	0	11
2121	6/2	52° 39.98'	129° 46.62'	107	7.0	233	9	10	1	11	3	7
2122	6/2	52° 40.01'	130° 01.39'	146	7.0	196	8	0	0	47	0	2
2123	6/20	52° 40.05'	130° 19.02'	121	7.0	226	8	46	6	14	3	28
2124	6/20	52° 39.84'	130° 35.02'	82	7.0	1,074	41	122	14	0	6	25
2125	6/2	52° 50.00'	130° 01.98'	140	7.0	102	3	26	3	50	0	60
2126	6/20	52° 50.15'	130° 18.95'	114	7.0	231	10	36	4	7	0	18
2127	5/31	53° 00.04'	129° 45.66'	124	7.0	300	9	27	4	64	0	59
2128	5/31	52° 59.98'	130° 01.96'	104	7.0	442	15	18	2	9	1	12
2129	7/21	52° 29.88'	131° 07.99'	48	7.0	1,500	73	184	22	0	0	17
2130	7/21	52° 30.07'	131° 25.00'	84	7.0	791	31	27	3	0	1	21
2131	7/21	52° 39.86'	130° 52.00'	51	7.0	396	20	259	34	0	0	0
2132	7/21	52° 39.83'	131° 08.00'	38	7.0	977	37	191	24	0	0	2
2133	7/20	52° 50.02'	130° 35.00'	60	7.0	245	14	303	41	0	0	5
2134	7/20	52° 50.14'	130° 52.00'	27	7.0	379	19	174	22	0	0	0
2135	7/20	52° 59.81'	130° 18.00'	113	7.0	119	4	0	0	60	0	58
2136	7/20	52° 59.73'	130° 35.00'	49	7.0	44	3	108	14	0	4	0
2137	7/19	53° 09.97'	130° 18.00'	83	7.0	576	29	158	19	7	4	41
2138	7/19	53° 10.01'	130° 35.00'	101	7.0	80	4	26	3	35	3	45
2139	7/22	53° 10.03'	130° 52.00'	58	7.0	146	9	174	22	0	12	2
2140	7/19	53° 19.98'	130° 18.00'	55	7.0	1,075	42	239	27	0	6	3
2141	7/19	53° 19.87'	130° 35.00'	42	7.0	91	5	218	28	0	0	31
2142	7/22	53° 19.89'	130° 52.00'	73	7.0	416	26	179	21	4	9	5
2143	7/10	53° 19.85'	132° 49.00'	73	7.0	583	28	350	50	0	0	16
2144	7/10	53° 20.12'	133° 06.00'	129	7.0	1,639	51	48	5	19	0	8
2145	7/22	53° 29.79'	130° 51.98'	50	7.0	72	5	262	39	2	11	0
2146	7/10	53° 30.07'	133° 06.00'	202	7.0	495	15	0	0	59	0	191
2147	7/23	53° 39.86'	130° 35.00'	19	7.0	380	21	112	13	0	0	0
2148	7/23	53° 39.75'	130° 52.00'	26	7.0	270	12	229	31	0	0	0
2149	7/10	53° 40.09'	133° 07.00'	78	7.0	636	31	528	71	0	0	40
2150	7/23	53° 49.80'	130° 52.00'	47	7.0	377	23	322	43	3	17	0
2151	7/11	54° 00.11'	133° 25.00'	42	7.0	1,037	42	235	32	0	0	47
2152	7/24	54° 09.97'	130° 35.00'	56	7.0	71	5	126	15	15	0	0
2153	7/15	54° 10.09'	132° 00.00'	38	7.0	0	0	345	55	0	0	0
2154	7/13	54° 09.96'	132° 17.00'	49	7.0	96	7	287	44	0	2	0
2155	7/13	54° 10.14'	132° 34.00'	46	7.0	105	5	340	55	0	4	0
2156	7/12	54° 10.09'	133° 09.00'	39	7.0	717	29	155	21	0	0	36
2157	7/11	54° 10.09'	133° 26.00'	214	7.0	245	10	70	9	110	0	130
2158	7/24	54° 20.05'	130° 35.00'	52	7.0	216	12	228	31	3	1	10

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

² Weights are calculated from length-weight tables.

2005 IPHC Stock Assessment Survey Area 2B

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers)		
						Lbs ²	#'s	Lbs ²	#'s	Sablefish	P. Cod	Rockfish
2159	7/16	54° 19.91'	131° 09.00'	35	7.0	174	12	716	105	2	7	0
2160	7/16	54° 20.04'	131° 26.00'	93	7.0	56	2	25	3	93	1	25
2161	7/15	54° 20.09'	131° 43.00'	103	7.0	199	10	115	13	44	1	24
2162	7/15	54° 20.13'	132° 01.00'	135	7.0	127	4	19	3	130	0	17
2163	7/13	54° 19.90'	132° 18.00'	120	7.0	828	31	90	11	44	10	42
2164	7/13	54° 20.05'	132° 35.00'	145	7.0	197	8	32	4	110	2	97
2165	7/12	54° 19.92'	132° 52.00'	209	7.0	634	16	15	2	135	0	49
2166	7/12	54° 20.06'	133° 09.00'	249	7.0	1,208	25	31	4	121	0	82
2167	7/11	54° 20.08'	133° 26.00'	120	7.0	1,402	44	113	13	26	11	158
2168	7/11	54° 19.98'	133° 43.00'	133	7.0	1,179	48	353	43	14	22	7
2169	7/24	54° 29.94'	130° 35.00'	64	7.0	241	13	49	6	23	3	0
2170	7/16	54° 29.98'	131° 09.00'	76	7.0	988	62	336	40	28	9	2
2171	7/16	54° 28.35'	131° 25.70'	79	7.0	454	16	107	14	44	17	65
2172	7/15	54° 30.02'	131° 44.00'	188	7.0	179	6	11	1	124	0	4
170 Total Effective 2B Stations					Totals	84,620	3,523	26,681	3,462	4,904	252	4,073

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

² Weights are calculated from length-weight tables.

2005 IPHC Stock Assessment Survey Area 2C

1 of 3

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
3001	8/13	54° 30.02'	132° 01.00'	145	6.9	715	24	28	3	103	10	29
3002	8/13	54° 29.94'	132° 18.00'	196	6.9	44	2	0	0	172	0	10
3003	8/5	54° 30.10'	132° 35.00'	199	7.0	909	14	20	3	130	0	30
3005	8/12	54° 30.03'	133° 10.00'	112	7.0	1,446	62	261	31	5	0	15
3006	8/12	54° 29.90'	133° 27.00'	162	6.9	810	23	29	3	69	0	10
3007	8/12	54° 29.95'	133° 43.98'	138	7.0	867	25	18	2	20	0	15
3008	8/15	54° 40.13'	130° 50.00'	151	6.9	517	13	0	0	108	0	5
3009	8/14	54° 40.08'	131° 08.00'	118	7.0	205	9	52	6	124	5	5
3010	8/14	54° 40.07'	131° 25.00'	112	6.9	297	9	24	3	83	0	44
3011	8/14	54° 39.91'	131° 42.00'	218	6.9	251	6	0	0	127	0	10
3012	8/13	54° 39.96'	131° 59.00'	99	6.9	668	26	52	6	5	0	54
3013	8/13	54° 39.95'	132° 17.00'	61	6.9	614	15	356	52	0	0	25
3014	8/5	54° 40.06'	132° 34.00'	109	7.0	332	20	165	20	25	0	74
3015	8/5	54° 39.70'	132° 51.01'	75	7.0	1,526	50	238	31	0	15	99
3016	8/6	54° 39.99'	133° 09.00'	128	7.0	1,133	34	15	2	10	5	190
3017	8/6	54° 40.02'	133° 26.00'	162	7.0	1,020	34	19	2	74	0	40
3018	8/7	54° 40.15'	133° 43.01'	129	7.0	1,551	48	81	10	60	10	10
3019	8/7	54° 40.00'	134° 00.00'	120	6.9	2,225	73	166	19	83	15	0
3020	8/15	54° 50.08'	131° 07.00'	131	6.8	299	12	35	4	73	0	0
3021	8/14	54° 49.97'	131° 42.00'	244	6.9	198	7	0	0	99	0	5
3022	8/5	54° 49.98'	132° 34.00'	172	7.0	1,413	32	11	2	80	0	25
3023	8/6	54° 50.08'	133° 09.00'	116	7.0	1,151	41	89	11	10	5	134
3024	8/6	54° 49.95'	133° 26.00'	68	7.0	1,012	56	610	75	0	0	5
3025	8/7	54° 49.89'	133° 43.00'	75	7.0	3,797	140	415	51	0	15	54
3026	8/7	54° 50.01'	134° 01.00'	103	7.0	1,026	34	115	13	40	0	40
3027	8/15	55° 00.09'	131° 06.00'	136	7.0	979	28	40	5	50	0	10
3028	8/16	54° 59.97'	131° 41.00'	113	6.9	386	17	10	1	98	0	54
3029	8/11	54° 59.91'	133° 26.00'	52	7.0	1,248	51	448	60	0	0	114
3030	8/11	54° 59.98'	133° 43.00'	57	7.0	772	48	905	120	0	0	17
3031	8/15	55° 10.06'	131° 06.00'	96	6.9	1,119	37	79	10	25	0	34
3032	8/16	55° 09.92'	131° 41.00'	66	6.9	226	13	47	6	0	0	15
3033	8/4	55° 10.00'	131° 56.00'	179	7.0	767	32	41	5	66	0	15
3034	8/11	55° 09.88'	133° 26.00'	41	7.0	1,444	43	54	7	0	0	124
3035	8/4	55° 20.08'	131° 58.00'	218	7.0	65	2	0	0	84	0	5
3036	8/4	55° 28.44'	131° 58.02'	190	7.0	231	6	5	1	40	5	25
3037	8/3	55° 39.98'	132° 15.00'	211	6.9	286	11	13	2	69	0	25
3038	8/3	55° 45.06'	132° 27.00'	152	6.9	433	15	24	4	69	0	59
3039	8/3	55° 49.59'	132° 15.00'	98	7.0	497	20	81	10	10	5	45
3040	8/2	56° 00.08'	132° 32.00'	111	7.0	1,267	51	110	12	15	0	25
3041	8/2	56° 01.13'	132° 45.00'	191	7.0	665	28	18	2	89	0	10
3042	8/2	56° 10.99'	132° 50.00'	68	7.0	720	30	102	14	0	10	60
3043	8/11	54° 59.98'	134° 01.12'	83	7.0	3,084	120	321	37	0	0	105
3044	8/11	55° 00.03'	134° 18.02'	116	7.0	808	32	140	17	105	5	10
3045	8/10	55° 09.99'	133° 43.09'	85	7.0	758	55	274	32	0	0	0
3046	8/11	55° 10.00'	134° 00.90'	93	7.0	1,595	95	543	60	0	0	20
3047	8/10	55° 20.00'	133° 44.02'	40	7.0	906	53	1,002	135	0	0	25
3048	8/10	55° 20.02'	134° 01.09'	64	7.0	1,235	63	1,228	167	0	0	0
3049	8/9	55° 19.98'	134° 19.09'	101	7.0	1,729	52	136	17	44	0	162
3050	8/9	55° 20.01'	134° 35.92'	111	7.0	965	40	138	15	25	5	110
3051	7/29	55° 30.00'	134° 00.95'	50	7.0	1,521	39	674	93	0	0	5

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey Area 2C

2 of 3

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
3052	8/9	55° 29.98'	134° 19.09'	91	7.0	2,134	101	531	61	0	10	0
3053	7/28	55° 30.00'	134° 37.03'	112	7.0	3,340	136	457	54	74	0	0
3054	7/28	55° 29.98'	134° 54.05'	159	7.0	2,980	107	170	19	55	0	5
3055	7/29	55° 39.99'	134° 00.94'	102	7.1	1,078	51	140	18	0	0	30
3056	7/29	55° 39.98'	134° 19.00'	115	7.0	1,125	37	80	10	25	0	10
3057	7/28	55° 40.01'	134° 37.39'	111	7.0	2,448	100	310	35	40	0	10
3058	7/23	55° 40.00'	134° 55.00'	109	7.0	3,908	115	241	29	50	0	146
3059	8/3	55° 50.02'	133° 26.06'	38	7.0	661	16	31	4	0	0	30
3060	8/3	55° 50.03'	133° 44.01'	66	7.1	1,173	26	20	3	5	10	45
3061	8/4	55° 50.00'	134° 02.02'	144	7.0	1,070	35	44	5	65	25	15
3062	7/23	55° 50.04'	134° 37.00'	77	7.0	2,314	59	210	27	0	5	70
3063	7/23	55° 50.02'	134° 55.21'	101	7.0	3,054	80	229	28	10	10	5
3064	7/22	55° 50.05'	135° 13.23'	128	7.0	2,080	74	156	19	20	5	45
3065	8/3	55° 54.98'	133° 34.96'	43	7.0	466	21	212	27	0	10	25
3066	8/4	56° 00.00'	134° 02.04'	57	7.0	1,262	71	1,043	141	0	5	0
3067	8/4	56° 00.00'	134° 20.20'	48	3.6	1,412	52	245	33	0	0	76
3068	7/27	55° 59.98'	134° 38.27'	207	7.0	2,530	50	36	4	115	0	20
3069	7/22	56° 00.02'	134° 55.42'	197	7.0	530	14	15	2	105	0	85
3070	7/22	55° 59.99'	135° 13.22'	200	7.0	915	22	17	2	180	0	20
3071	7/30	56° 09.99'	133° 44.02'	155	7.0	609	20	81	10	40	20	5
3072	7/26	56° 09.97'	134° 20.12'	90	7.0	1,636	75	436	55	30	45	35
3073	7/27	56° 09.96'	134° 37.55'	197	7.0	1,671	67	213	26	55	0	50
3074	7/27	56° 09.98'	134° 55.93'	100	7.0	2,714	106	249	30	45	0	20
3075	7/21	56° 10.02'	135° 14.05'	152	7.0	1,691	56	50	7	71	0	0
3076	7/30	56° 20.02'	133° 43.99'	116	7.0	1,669	33	39	5	60	40	10
3077	6/26	56° 20.01'	134° 20.14'	130	7.0	844	36	329	40	50	0	35
3078	7/21	56° 19.95'	134° 56.11'	57	7.1	1,646	50	151	19	5	0	45
3079	7/21	56° 20.04'	135° 14.12'	85	7.0	1,416	50	197	26	20	20	40
3080	7/20	56° 19.99'	135° 32.12'	109	7.0	1,980	69	114	13	40	0	0
3081	7/30	56° 28.98'	133° 44.19'	50	7.0	1,028	42	152	21	0	0	5
3082	7/26	56° 29.95'	134° 20.00'	78	7.0	1,669	60	649	91	40	10	20
3083	7/20	56° 30.01'	135° 15.04'	58	7.0	1,788	90	758	101	0	0	50
3084	7/20	56° 30.00'	135° 32.91'	84	7.0	1,523	34	90	12	0	0	65
3085	7/19	56° 40.02'	135° 15.43'	23	7.0	1,111	25	80	11	0	0	105
3086	7/19	56° 39.99'	135° 34.02'	71	7.0	1,743	56	248	35	0	0	75
3087	7/19	56° 40.02'	135° 51.90'	129	7.0	1,436	60	92	10	55	0	50
3088	6/2	56° 50.13'	132° 49.92'	111	7.0	343	17	163	24	0	0	0
3089	7/19	56° 49.98'	135° 51.91'	101	7.1	978	36	119	15	25	0	15
3090	6/2	56° 57.97'	132° 57.63'	69	7.0	441	23	469	71	0	5	0
3091	6/3	57° 00.04'	134° 20.77'	192	7.0	904	40	235	31	145	0	5
3092	7/18	57° 00.02'	135° 59.99'	55	7.0	813	34	307	39	0	0	65
3093	6/2	57° 03.03'	133° 05.27'	71	7.0	491	20	156	22	0	10	5
3094	6/3	57° 09.57'	133° 44.41'	151	7.0	630	36	394	58	30	20	0
3095	6/3	57° 09.92'	134° 03.04'	160	7.1	876	42	190	26	67	20	5
3096	6/4	57° 09.74'	134° 39.75'	179	7.0	565	24	146	21	5	27	5
3097	7/18	57° 10.00'	135° 54.02'	36	7.0	805	32	572	82	0	0	30
3098	7/18	57° 10.00'	136° 11.78'	115	7.0	1,709	82	140	16	20	10	5
3099	6/5	57° 20.09'	133° 26.09'	65	7.0	89	4	65	10	0	0	0
3100	6/5	57° 19.76'	133° 44.61'	185	7.1	1,875	89	390	47	71	5	10
3101	6/4	57° 20.08'	134° 36.11'	113	7.0	681	27	79	11	5	35	40

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey Area 2C

3 of 3

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
3102	6/17	57° 19.93'	135° 55.57'	52	7.0	516	16	125	17	0	0	70
3103	6/17	57° 20.02'	136° 13.41'	96	7.0	1,936	66	234	31	0	0	30
3105	6/4	57° 31.25'	134° 38.00'	119	7.0	396	19	415	55	20	5	60
3106	6/17	57° 30.01'	136° 14.65'	56	7.0	694	34	742	115	0	0	40
3107	6/6	57° 40.16'	133° 45.39'	178	7.0	1,961	107	366	44	0	0	0
3108	6/16	57° 40.24'	136° 33.94'	91	7.0	2,634	134	440	56	0	0	5
3109	6/6	57° 50.02'	133° 53.94'	181	7.0	221	10	55	6	0	0	5
3110	6/16	57° 49.87'	136° 34.24'	55	7.0	1,860	66	694	95	0	0	64
3111	6/16	57° 50.12'	136° 58.38'	155	7.0	561	25	87	11	55	0	25
3112	6/7	58° 00.06'	134° 03.79'	124	7.0	78	3	38	5	0	0	20
3113	6/15	57° 59.64'	136° 39.62'	46	7.1	1,903	80	820	99	0	0	20
3114	6/14	58° 09.65'	135° 00.92'	107	7.0	641	31	212	31	10	0	15
3115	6/14	58° 09.88'	135° 20.01'	88	7.0	358	15	102	14	5	0	10
3116	6/15	58° 09.91'	136° 36.52'	122	7.1	1,410	37	81	10	105	5	45
3117	6/7	58° 11.81'	134° 23.91'	36	7.0	164	5	44	5	0	0	0
3118	6/12	58° 13.92'	134° 42.88'	36	7.0	412	11	0	0	0	0	0
3119	6/14	58° 14.93'	135° 39.97'	63	7.0	1,228	59	655	101	0	0	0
3120	6/15	58° 14.94'	136° 25.64'	110	6.9	2,802	72	96	14	44	20	0
3121	6/12	58° 20.32'	134° 43.53'	40	7.0	273	5	0	0	0	5	0
3122	6/13	58° 19.41'	135° 02.44'	207	7.0	509	17	58	7	45	0	5
120 Total Effective 2C Stations					Totals	140,143	5,204	26,039	3,403	4,191	490	3,845

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#s	Lbs. ²	#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

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#s	Lbs. ²	#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

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#s	Lbs. ²	#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

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#s	Lbs. ²	#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

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#s	Lbs. ²	#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

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#s	Lbs. ²	#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

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³			
						Lbs. ²	#'s	Lbs. ²	#'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	
374 Total Effective 3A Stations						Totals	718,760	33,254	125,866	15,307	9,819	6,284	1,871

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey Area 3B

1 of 4

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
5001	6/15	55° 59.86'	153° 36.21'	52	7.1	1,963	96	489	67	0	0	0
5002	6/15	56° 00.01'	153° 54.04'	69	7.0	1,373	89	566	76	0	41	0
5003	6/15	56° 00.02'	154° 13.03'	65	7.0	2,435	131	696	91	0	15	0
5004	6/16	56° 00.07'	154° 30.62'	230	7.0	338	18	9	1	223	0	0
5005	6/17	56° 00.06'	154° 48.15'	122	7.0	538	34	208	23	185	5	0
5006	6/17	56° 00.18'	155° 06.17'	30	7.1	306	21	369	46	0	434	0
5007	6/14	56° 09.92'	153° 35.70'	85	7.0	2,350	150	455	49	0	34	0
5008	6/14	56° 12.80'	153° 50.89'	70	7.0	3,567	240	1,450	173	0	15	0
5009	6/13	56° 10.44'	154° 11.51'	63	7.0	1,562	95	825	114	0	0	0
5010	6/16	56° 09.94'	154° 28.98'	50	7.0	1,570	83	823	111	0	5	0
5011	6/16	56° 10.07'	154° 47.12'	43	7.0	607	40	844	121	0	45	0
5013	6/30	56° 10.46'	155° 23.29'	20	7.0	1,215	62	1,124	153	0	10	0
5014	6/30	56° 10.20'	155° 41.05'	33	7.1	1,078	59	835	124	0	0	0
5015	6/14	56° 18.39'	153° 50.34'	48	7.0	3,069	132	884	119	0	0	0
5016	6/13	56° 19.86'	154° 10.43'	51	7.0	1,446	72	626	84	0	95	0
5017	6/13	56° 20.02'	154° 27.15'	34	7.1	2,142	120	421	49	0	56	0
5018	6/30	56° 19.98'	155° 21.30'	23	7.0	1,252	64	878	111	0	20	0
5019	6/25	56° 20.04'	155° 39.97'	42	7.1	604	24	467	75	0	229	0
5020	6/25	56° 29.94'	155° 21.12'	29	7.1	589	31	327	53	0	5	0
5021	6/25	56° 29.73'	155° 38.97'	60	7.0	1,566	90	371	42	0	215	0
5022	6/24	56° 40.16'	155° 02.06'	23	7.0	2,514	87	288	39	0	40	0
5023	6/24	56° 39.81'	155° 19.75'	50	7.0	1,344	60	198	26	0	50	0
5024	6/26	56° 39.98'	155° 38.45'	131	7.0	757	32	59	7	30	35	0
5025	6/26	56° 39.97'	155° 55.63'	158	7.0	1,329	74	85	9	40	20	0
5026	6/23	56° 50.12'	154° 24.28'	32	7.0	2,351	98	1,004	134	0	130	0
5027	6/23	56° 50.08'	154° 41.94'	23	7.2	911	46	625	95	0	0	0
5028	6/24	56° 50.02'	155° 00.08'	41	7.0	1,936	74	475	62	0	158	0
5029	6/22	56° 49.93'	155° 19.52'	123	7.0	1,368	63	131	16	10	19	0
5030	6/26	56° 50.06'	155° 37.17'	151	7.0	1,191	63	105	13	25	5	0
5031	6/5	56° 49.91'	155° 54.77'	162	7.1	783	36	67	8	86	0	0
5032	6/23	56° 59.90'	154° 40.80'	22	7.1	1,028	42	667	114	0	0	0
5033	6/22	56° 59.85'	154° 59.05'	63	7.0	794	42	489	59	5	40	0
5034	6/22	57° 00.05'	155° 17.73'	136	7.0	573	32	48	5	54	0	0
5035	6/5	56° 59.96'	155° 36.20'	153	7.1	818	42	132	16	35	15	0
5036	6/5	56° 59.96'	155° 53.89'	161	7.1	984	48	114	14	49	59	0
5037	6/18	57° 09.94'	154° 39.91'	32	7.1	1,081	41	907	141	0	20	0
5038	6/18	57° 10.11'	154° 56.76'	97	7.0	3,305	147	171	20	5	129	0
5039	6/21	57° 09.90'	155° 16.02'	132	7.1	845	45	98	11	46	10	0
5040	6/21	57° 10.04'	155° 34.97'	146	7.0	626	31	57	6	30	5	0
5041	6/4	57° 10.14'	155° 53.45'	137	7.0	1,397	64	160	18	49	59	0
5042	6/18	57° 19.70'	154° 56.09'	92	7.0	1,147	63	145	17	10	162	0
5043	6/21	57° 19.82'	155° 14.74'	133	7.1	981	50	145	16	45	20	0
5044	6/9	57° 19.88'	155° 33.97'	155	7.0	1,470	72	193	22	101	0	0
5045	6/4	57° 19.92'	155° 51.90'	59	7.0	1,443	85	1,733	237	0	74	0
5046	6/4	57° 19.84'	156° 10.57'	126	7.1	979	39	105	14	0	288	0
5047	6/9	57° 29.90'	155° 13.63'	137	7.0	1,251	51	115	13	84	5	0
5048	6/9	57° 30.01'	155° 33.72'	162	7.0	997	55	249	28	145	0	0
5096	6/30	54° 50.16'	157° 32.99'	235	7.0	89	4	0	0	213	0	0
5097	6/30	54° 49.97'	157° 49.86'	89	6.9	412	30	399	51	44	142	0
5098	6/25	55° 00.27'	157° 15.05'	106	6.9	610	40	307	36	63	165	0
5099	6/25	54° 59.99'	157° 31.98'	55	7.0	3,745	221	704	84	0	10	5
5100	6/30	55° 00.07'	157° 49.98'	45	7.0	2,928	134	404	51	0	289	5
5101	6/28	55° 00.03'	158° 06.99'	71	7.0	817	54	913	120	0	40	0
5102	6/2	55° 09.98'	156° 21.88'	283	6.9	24	1	0	0	196	0	10
5103	6/2	55° 10.00'	156° 39.35'	284	6.7	113	6	0	0	163	0	0
5105	6/25	55° 09.75'	157° 13.92'	63	6.9	1,227	88	1,109	140	0	73	5
5106	6/24	55° 10.02'	157° 32.09'	46	7.0	2,960	159	1,741	223	0	0	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
5107	6/24	55° 10.05'	157° 46.97'	44	6.9	2,036	97	1,014	126	0	0	0
5108	6/29	55° 10.13'	158° 06.96'	57	7.0	2,557	140	910	113	0	0	0
5109	6/3	55° 20.04'	156° 38.97'	65	6.9	2,454	146	630	73	0	93	10
5110	6/3	55° 20.12'	156° 56.02'	50	7.0	3,607	192	1,260	164	0	25	0
5111	6/10	55° 20.05'	157° 14.04'	49	6.7	1,973	99	872	116	0	167	0
5112	6/10	55° 19.98'	157° 31.18'	48	6.9	1,778	75	745	100	0	185	0
5113	6/24	55° 19.98'	157° 48.98'	45	7.0	901	37	777	105	0	0	0
5114	6/29	55° 19.99'	158° 06.14'	59	7.0	1,366	74	699	92	0	10	0
5115	6/29	55° 19.98'	158° 24.19'	80	6.9	192	13	109	12	0	49	0
5116	6/4	55° 30.00'	156° 38.04'	99	7.8	2,397	154	483	52	24	87	0
5118	6/10	55° 29.91'	157° 13.02'	48	6.9	2,038	92	842	108	0	172	0
5119	6/11	55° 30.00'	157° 31.03'	52	6.9	1,388	47	801	106	0	59	0
5120	6/11	55° 29.99'	157° 47.81'	53	6.9	1,950	117	1,306	162	0	54	0
5121	6/6	55° 30.02'	158° 05.96'	70	6.9	724	45	326	41	20	5	0
5122	6/15	55° 29.93'	158° 23.98'	80	7.0	332	21	111	14	0	35	0
5123	6/4	55° 40.02'	156° 55.09'	48	7.0	2,015	107	1,305	165	0	44	0
5124	6/5	55° 40.01'	157° 12.89'	46	6.9	2,122	77	1,324	195	0	5	0
5125	6/11	55° 39.95'	157° 30.26'	54	6.9	2,392	140	1,504	198	0	84	0
5126	6/6	55° 40.04'	157° 47.71'	73	6.9	943	50	349	49	15	172	0
5127	6/6	55° 39.98'	158° 06.12'	69	7.0	335	20	110	14	0	30	0
5128	6/15	55° 39.88'	158° 23.00'	71	6.9	645	34	116	15	0	20	0
5129	6/15	55° 39.98'	158° 40.98'	50	6.9	1,493	92	2,014	265	0	0	0
5130	6/5	55° 50.00'	157° 12.00'	55	6.8	817	54	1,075	144	0	53	0
5131	6/5	55° 49.98'	157° 29.87'	55	7.0	961	54	1,012	142	0	68	0
5132	6/12	55° 50.01'	157° 48.02'	67	6.9	1,464	81	1,005	125	10	147	0
5133	6/14	55° 50.01'	158° 05.23'	43	6.8	2,592	128	1,556	221	0	5	0
5134	6/14	55° 49.96'	158° 22.96'	60	6.9	2,712	139	898	118	0	20	0
5135	6/12	55° 59.91'	157° 29.02'	62	6.9	1,484	80	520	62	0	59	0
5136	6/12	56° 00.00'	157° 46.86'	67	6.8	1,167	62	409	52	0	39	0
5137	6/14	55° 59.92'	158° 05.06'	48	7.0	687	32	793	118	0	0	0
5138	6/13	56° 09.96'	157° 46.95'	84	6.9	3,566	145	257	31	0	191	0
5139	6/13	56° 10.00'	158° 04.64'	37	6.9	1,698	79	968	136	0	15	0
5140	6/13	56° 19.99'	158° 04.11'	41	6.9	3,217	113	504	66	0	5	0
5141	7/7	54° 30.05'	159° 00.00'	164	7.0	13	1	11	1	172	0	0
5142	7/7	54° 30.00'	159° 17.02'	79	7.0	346	24	464	59	50	208	0
5143	7/8	54° 29.99'	159° 34.12'	62	7.0	2,392	148	657	78	0	84	5
5144	7/9	54° 29.65'	159° 50.72'	67	7.0	211	17	797	126	0	30	0
5145	7/9	54° 30.00'	160° 08.88'	67	6.9	1,000	68	1,094	134	0	103	0
5146	7/1	54° 39.98'	158° 25.16'	111	7.0	1,007	62	101	11	248	35	0
5147	7/6	54° 40.06'	158° 42.02'	57	7.0	634	45	477	62	0	114	5
5148	7/7	54° 40.00'	159° 00.20'	51	7.0	385	20	418	51	0	104	0
5149	7/8	54° 40.00'	159° 16.88'	41	6.9	1,282	46	502	74	0	10	0
5150	7/8	54° 40.01'	159° 33.86'	34	6.9	685	37	1,119	157	5	10	15
5151	7/9	54° 40.03'	159° 52.00'	43	6.9	3,276	138	921	115	0	54	0
5152	7/10	54° 40.00'	160° 09.18'	51	6.9	2,242	138	1,044	130	0	92	0
5153	7/1	54° 49.94'	158° 07.06'	55	6.9	1,662	100	832	108	0	78	0
5154	7/1	54° 50.00'	158° 24.86'	107	7.0	1,168	50	103	15	153	0	5
5155	7/6	54° 49.98'	158° 42.15'	56	6.9	191	11	707	107	0	44	0
5157	7/10	54° 49.88'	159° 52.02'	31	6.9	1,398	41	386	70	0	0	0
5158	7/10	54° 50.00'	160° 08.91'	38	7.0	1,110	51	771	129	0	0	0
5159	7/11	54° 49.96'	160° 25.98'	47	7.0	391	24	1,464	190	0	160	0
5160	6/28	55° 00.19'	158° 25.05'	115	6.9	1,467	67	58	7	15	5	0
5161	7/2	55° 00.06'	158° 41.98'	70	7.0	132	8	403	51	0	124	0
5162	7/2	54° 59.98'	158° 58.56'	46	6.8	152	6	145	18	0	5	0
5163	7/2	54° 59.48'	159° 15.86'	24	6.9	630	14	57	11	0	0	5
5164	7/11	54° 59.89'	160° 27.00'	65	6.9	1,313	85	1,714	220	0	39	0
5165	7/11	54° 59.98'	160° 43.82'	51	6.9	994	49	1,223	174	0	0	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
5166	6/28	55° 10.01'	158° 24.02'	101	7.0	232	14	86	10	10	0	0
5167	7/2	55° 10.01'	158° 42.00'	112	7.0	26	2	27	3	94	0	0
5168	6/27	55° 09.91'	158° 58.95'	71	6.9	3,073	182	770	90	0	5	0
5169	6/27	55° 09.93'	159° 17.08'	40	7.0	39	3	16	2	0	0	0
5170	6/23	55° 19.97'	158° 42.05'	102	6.9	581	30	44	6	59	0	0
5171	6/23	55° 19.94'	158° 58.98'	102	6.9	353	16	9	2	5	0	0
5172	6/6	55° 19.99'	159° 16.73'	98	6.9	560	30	40	5	0	0	0
5173	6/7	55° 19.98'	159° 34.08'	77	6.8	1,196	73	896	104	0	0	0
5174	6/7	55° 19.99'	159° 51.89'	46	7.0	1,973	83	543	74	0	35	0
5175	6/23	55° 29.88'	158° 40.96'	89	7.0	0	0	17	2	10	0	0
5176	6/22	55° 30.04'	158° 59.50'	59	7.0	1,068	54	358	43	0	0	0
5177	6/22	55° 30.02'	159° 16.98'	65	6.9	853	35	83	9	0	10	0
5178	6/20	55° 29.89'	159° 34.00'	91	6.9	768	38	152	18	0	10	0
5179	6/20	55° 30.13'	159° 52.00'	92	6.9	1,050	52	56	6	0	39	0
5181	6/22	55° 40.00'	158° 59.05'	84	7.0	313	14	5	1	0	15	0
5182	6/21	55° 39.96'	159° 17.00'	56	6.9	342	17	51	6	0	0	0
5183	6/20	55° 39.95'	159° 52.01'	70	7.0	828	25	87	12	0	0	0
5184	6/21	55° 49.95'	158° 59.02'	67	7.0	716	23	16	2	0	5	0
5185	6/21	55° 50.02'	159° 16.97'	29	6.9	521	19	53	6	0	80	0
5186	7/22	54° 00.25'	163° 15.41'	45	7.2	823	50	490	63	0	296	20
5187	7/22	54° 00.09'	163° 31.99'	55	7.1	357	23	975	125	0	241	0
5188	7/22	53° 59.61'	163° 48.41'	50	7.1	355	24	732	116	0	141	0
5191	7/21	54° 10.02'	162° 07.97'	44	7.1	4,684	186	472	57	0	76	35
5192	7/21	54° 10.14'	162° 24.54'	78	7.1	1,206	76	684	81	81	106	10
5193	7/23	54° 10.02'	163° 50.04'	49	7.1	1,150	83	1,053	132	0	121	0
5194	7/13	54° 20.43'	160° 08.70'	151	7.2	414	25	196	22	292	0	5
5195	7/13	54° 20.18'	160° 26.21'	68	7.1	2,388	155	1,604	210	0	15	0
5196	7/14	54° 20.02'	160° 43.27'	58	7.2	2,677	168	713	81	0	194	31
5197	7/14	54° 20.20'	161° 00.48'	69	7.1	1,834	120	959	119	0	20	0
5198	7/15	54° 19.95'	161° 17.19'	57	7.1	2,689	160	787	95	0	71	30
5201	7/20	54° 19.97'	162° 09.41'	30	7.1	2,537	97	1,169	165	0	10	5
5202	7/25	54° 20.11'	163° 16.80'	26	7.1	3,062	132	768	89	0	187	0
5203	7/25	54° 19.94'	163° 33.81'	60	7.1	1,406	102	1,107	133	0	237	0
5204	7/23	54° 20.07'	163° 51.27'	62	7.2	1,461	93	1,218	150	0	179	0
5205	7/23	54° 19.73'	164° 08.75'	51	7.2	1,054	74	1,261	176	0	77	0
5206	7/13	54° 30.11'	160° 25.82'	80	7.1	858	61	1,476	175	96	56	0
5207	7/14	54° 30.22'	160° 43.43'	76	7.1	522	33	705	88	61	61	0
5208	7/15	54° 29.84'	160° 59.96'	70	7.1	259	17	607	82	5	121	0
5209	7/15	54° 30.01'	161° 17.82'	66	7.1	769	54	1,533	210	0	20	0
5210	7/31	54° 30.23'	161° 34.83'	35	7.1	956	45	1,576	244	0	5	0
5211	7/31	54° 29.87'	161° 51.95'	76	7.1	1,476	77	777	95	5	25	0
5212	7/20	54° 29.80'	162° 08.48'	76	7.1	2,275	119	827	105	0	40	0
5213	7/20	54° 30.05'	162° 26.09'	79	7.1	3,416	168	494	62	0	30	0
5214	7/25	54° 29.92'	163° 18.19'	39	7.1	2,826	147	892	120	0	25	0
5215	7/24	54° 30.04'	163° 35.26'	54	7.1	747	48	1,932	273	0	15	0
5216	7/24	54° 29.87'	163° 52.97'	51	7.1	1,178	81	1,399	201	0	70	0
5217	7/24	54° 30.18'	164° 09.96'	50	7.1	1,086	71	852	114	0	207	0
5218	7/12	54° 40.20'	160° 24.94'	54	7.1	1,581	107	1,957	242	0	0	0
5219	7/12	54° 39.86'	160° 42.89'	53	7.1	2,492	140	1,177	152	0	10	0
5220	7/16	54° 40.39'	161° 01.22'	47	7.2	793	49	879	118	0	0	0
5221	7/16	54° 40.27'	161° 18.04'	72	7.0	1,075	65	792	104	0	5	0
5222	7/10	54° 40.05'	161° 35.02'	34	7.0	2,320	90	1,669	241	0	0	30
5223	7/31	54° 39.60'	161° 53.12'	36	7.1	1,591	61	245	35	0	146	15
5224	7/26	54° 39.95'	162° 44.23'	45	7.1	985	48	246	33	0	20	0
5225	7/12	54° 49.89'	160° 43.93'	55	7.1	144	11	652	94	0	30	0
5226	7/16	54° 50.02'	161° 01.54'	57	7.1	552	30	549	80	0	5	0
5227	7/10	54° 50.16'	161° 18.48'	61	7.1	2,124	79	605	87	0	86	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
5228	7/10	54° 49.81'	161° 35.83'	40	7.0	2,091	61	382	62	0	20	5
5229	7/26	54° 49.81'	162° 45.44'	25	7.1	1,306	49	666	100	0	0	0
5230	7/26	54° 50.00'	163° 02.98'	40	7.2	871	50	1,193	179	0	26	0
5231	7/9	55° 00.05'	161° 01.41'	53	7.1	1,250	54	476	66	0	56	5
5232	7/9	54° 59.75'	161° 18.91'	43	7.1	2,749	84	411	53	0	5	15
5233	7/9	55° 09.97'	161° 02.20'	75	7.1	769	43	533	64	0	51	0
5234	7/9	55° 20.34'	156° 03.33'	145	7.1	2,082	99	39	4	202	5	45
5235	7/4	55° 20.09'	156° 21.09'	93	7.1	2,888	166	460	51	51	81	0
5236	7/3	55° 30.27'	155° 45.09'	117	7.0	593	36	65	7	225	60	5
5237	7/3	55° 29.73'	156° 03.27'	108	7.1	358	22	189	24	82	100	0
5238	7/4	55° 29.98'	156° 19.84'	117	7.1	1,777	95	142	15	157	25	0
5239	7/2	55° 40.19'	155° 26.95'	92	7.1	581	36	334	42	15	118	5
5240	7/2	55° 39.98'	155° 38.78'	72	7.0	2,149	132	891	98	0	140	0
5241	7/3	55° 39.72'	156° 01.33'	125	7.0	1,080	68	172	18	199	24	0
5242	7/5	55° 40.08'	156° 19.27'	138	7.2	2,444	131	17	2	122	31	0
5243	7/6	55° 39.92'	156° 37.16'	131	7.0	515	33	21	3	94	0	0
5244	6/17	55° 50.06'	155° 07.15'	66	7.0	565	32	179	22	20	0	0
5245	7/2	55° 50.07'	155° 25.29'	24	7.1	115	7	242	30	0	369	0
5246	7/5	55° 50.17'	156° 01.17'	56	7.1	3,434	178	705	91	0	30	0
5247	7/5	55° 49.90'	156° 19.04'	130	7.1	745	39	78	9	96	0	0
5248	7/6	55° 49.95'	156° 35.66'	123	7.0	2,092	111	69	9	50	0	0
5249	7/6	55° 49.62'	156° 53.55'	70	7.0	2,863	176	885	100	15	175	0
5250	7/1	55° 59.67'	155° 42.08'	23	7.1	804	27	765	107	0	182	0
5251	7/1	56° 00.17'	155° 59.83'	41	7.1	791	43	768	103	0	232	0
5252	8/8	56° 00.04'	156° 17.66'	115	7.0	1,856	97	152	17	248	0	0
5253	8/8	56° 00.19'	156° 33.62'	105	6.9	6,314	323	216	24	20	74	0
5254	8/10	55° 59.98'	157° 11.02'	57	7.0	2,320	97	586	75	0	115	0
5255	7/1	56° 09.66'	155° 57.75'	92	7.0	944	60	432	51	69	113	0
5256	8/8	56° 09.66'	156° 16.55'	124	7.1	5,182	246	215	23	71	20	0
5257	8/9	56° 09.78'	156° 35.07'	101	7.1	3,344	199	422	50	30	40	0
5258	8/9	56° 09.99'	156° 53.20'	43	7.1	1,183	45	1,170	180	0	35	0
5259	8/10	56° 10.00'	157° 10.95'	55	7.2	2,261	89	838	109	0	5	0
5260	8/10	56° 09.97'	157° 29.18'	81	7.0	725	37	273	32	0	31	0
5261	8/7	56° 20.11'	155° 58.95'	116	7.1	1,427	74	201	22	35	5	0
5262	8/7	56° 20.07'	156° 15.93'	152	7.1	3,231	167	135	16	35	0	0
5263	8/9	56° 20.05'	156° 34.12'	102	7.1	4,775	250	194	21	51	76	0
5264	8/12	56° 20.04'	156° 52.31'	65	7.1	1,082	65	639	81	0	10	0
5265	8/12	56° 20.05'	157° 10.20'	88	7.1	3,804	168	145	17	0	0	0
5266	8/12	56° 19.94'	157° 28.01'	39	7.0	1,459	65	595	85	0	0	5
5267	8/11	56° 19.87'	157° 46.06'	27	7.0	826	40	313	49	0	0	0
5268	8/7	56° 29.57'	155° 57.52'	134	7.2	1,325	70	100	11	46	5	0
5269	8/14	56° 29.94'	156° 15.04'	124	7.1	3,014	162	142	16	71	20	0
5270	8/13	56° 29.99'	156° 33.64'	102	7.1	2,583	127	204	23	76	30	0
5271	8/13	56° 29.79'	156° 51.24'	47	7.1	1,098	50	630	89	0	15	0
5272	8/11	56° 30.01'	157° 27.99'	80	7.1	844	46	353	49	0	30	0
5273	8/13	56° 39.89'	156° 15.15'	111	7.0	2,588	137	227	25	110	25	0
5274	8/13	56° 39.50'	156° 31.73'	85	7.1	3,664	180	463	58	0	56	0
5275	6/7	56° 39.97'	156° 51.76'	56	7.0	1,873	94	947	123	0	54	0
5277	6/8	56° 50.25'	156° 13.53'	103	7.1	2,617	137	710	89	0	56	0
5278	6/8	56° 49.85'	156° 32.05'	60	7.1	1,234	59	388	54	0	253	0
5279	6/7	56° 50.20'	156° 50.20'	64	6.9	3,026	136	349	46	0	196	0
5280	6/8	57° 00.00'	156° 12.97'	82	7.1	1,548	75	752	94	0	177	0
223 Total Effective 3B Stations					Totals	330,464	17,002	129,691	17,103	5,552	12,797	336

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 4A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
6002	7/17	52° 29.96'	169° 58.21'	129	7.0	194	5	51	6	0	90	0
6003	7/16	52° 29.99'	170° 46.03'	93	7.0	2,575	110	456	55	0	70	0
6004	7/13	52° 40.02'	169° 09.01'	59	7.0	2,073	98	338	41	0	140	5
6005	7/13	52° 40.03'	169° 24.95'	94	7.0	1,413	70	275	32	0	215	0
6006	7/13	52° 40.02'	169° 45.24'	40	7.0	1,879	90	606	82	0	170	0
6007	7/17	52° 39.89'	169° 58.02'	154	7.0	2,425	79	47	6	5	84	45
6008	7/16	52° 40.21'	170° 48.03'	46	6.9	677	31	393	64	0	29	0
6009	7/15	52° 43.00'	171° 21.90'	92	7.0	1,993	112	503	62	0	0	0
6010	7/5	52° 49.81'	168° 36.08'	56	7.0	1,934	103	573	76	0	228	5
6011	7/5	52° 49.84'	168° 52.05'	27	7.0	3,085	146	373	48	0	230	0
6012	7/14	52° 50.00'	170° 16.02'	87	6.9	2,714	142	404	46	0	309	0
6013	7/15	52° 50.00'	171° 20.88'	98	7.0	2,269	98	191	27	0	0	0
6014	7/15	52° 48.97'	171° 35.02'	131	7.0	3,556	163	70	11	0	0	0
6015	7/7	53° 00.00'	167° 28.98'	106	7.0	170	9	213	30	64	218	0
6016	7/7	52° 59.88'	167° 46.05'	62	7.0	338	21	608	84	0	285	0
6017	7/6	53° 00.09'	168° 02.18'	64	7.0	219	17	584	83	0	135	0
6018	7/6	53° 00.23'	168° 17.19'	54	7.0	785	37	410	58	0	282	0
6019	7/18	52° 59.99'	169° 09.00'	128	7.0	1,446	57	119	15	5	139	0
6020	7/14	53° 00.00'	169° 59.20'	64	7.0	1,332	37	288	39	0	45	0
6021	7/14	53° 00.01'	170° 15.04'	102	7.0	1,752	47	6	1	0	145	0
6022	7/8	53° 10.16'	166° 56.55'	106	7.0	129	9	239	35	79	30	0
6023	7/8	53° 09.86'	167° 12.16'	61	7.0	587	34	427	55	0	228	0
6024	7/7	53° 10.07'	167° 28.89'	49	7.0	547	41	764	106	0	220	0
6025	7/7	53° 09.98'	167° 45.98'	44	7.0	960	54	544	74	0	168	0
6026	7/6	53° 10.10'	168° 02.08'	33	7.0	115	8	306	49	0	277	0
6027	7/4	53° 10.00'	168° 52.10'	114	7.0	3,812	156	195	24	0	149	0
6028	7/18	53° 10.00'	169° 42.05'	156	7.0	382	15	8	1	0	25	15
6029	7/10	53° 20.11'	166° 04.79'	259	7.0	0	0	0	0	45	0	10
6030	7/9	53° 20.14'	166° 22.01'	132	7.0	220	15	126	16	55	10	0
6031	7/9	53° 19.92'	166° 38.12'	72	7.0	435	30	358	43	25	140	0
6032	7/9	53° 20.34'	166° 55.02'	51	7.0	986	55	672	85	0	75	0
6033	7/8	53° 20.12'	167° 12.03'	39	7.0	578	24	411	63	0	30	0
6034	7/4	53° 20.02'	168° 35.86'	43	7.0	1,714	65	344	52	0	69	0
6035	7/10	53° 30.05'	165° 48.20'	110	7.0	156	12	126	16	145	20	0
6036	7/10	53° 30.04'	166° 03.96'	73	7.0	453	31	345	46	0	240	0
6037	7/10	53° 30.04'	166° 20.80'	64	7.0	731	44	665	89	0	55	0
6039	6/28	53° 40.16'	164° 38.03'	185	6.2	283	19	44	5	120	0	9
6040	6/27	53° 40.01'	164° 55.27'	182	7.0	186	11	35	4	65	0	10
6041	6/27	53° 39.97'	165° 12.99'	196	7.0	173	11	17	2	119	0	10
6042	6/26	53° 40.37'	165° 30.15'	82	7.0	255	17	305	39	45	119	0
6043	7/23	53° 40.00'	165° 47.01'	68	7.0	917	60	872	114	0	90	0
6044	7/23	53° 40.05'	166° 04.00'	46	7.0	898	54	962	130	0	10	0
6047	6/29	53° 50.10'	163° 48.04'	48	7.0	3,101	159	467	53	0	205	10
6048	6/29	53° 50.07'	164° 05.25'	42	7.0	2,128	111	323	41	0	310	5
6049	6/28	53° 50.28'	164° 21.98'	48	6.5	1,534	95	531	70	0	129	0
6050	6/28	53° 50.03'	164° 38.98'	54	7.0	597	42	543	69	0	252	0
6051	6/27	53° 50.00'	164° 56.05'	62	7.0	414	26	261	36	0	160	0
6052	6/26	53° 49.91'	165° 12.09'	60	7.0	511	36	960	140	10	45	0
6053	6/26	53° 50.09'	165° 29.10'	52	7.0	374	26	981	147	0	90	0
6054	7/23	53° 50.08'	165° 46.00'	41	7.0	128	9	543	87	0	30	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 4A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
6055	7/24	53° 50.01'	166° 02.98'	40	7.0	777	42	584	92	0	5	0
6056	7/24	53° 50.02'	166° 19.95'	124	7.0	204	9	38	5	0	75	0
6057	6/29	54° 00.04'	164° 06.30'	41	7.0	803	52	504	69	0	100	0
6058	6/30	54° 00.08'	164° 23.27'	55	7.0	316	23	650	89	0	54	0
6059	7/1	54° 00.00'	164° 40.18'	53	7.0	1,390	101	1,113	145	0	10	0
6060	7/1	54° 00.39'	164° 57.03'	43	7.0	589	35	797	121	0	69	0
6061	7/22	54° 00.02'	165° 12.14'	41	7.0	1,083	54	239	26	0	173	0
6062	7/22	53° 59.99'	165° 28.93'	40	7.0	908	55	490	62	0	243	0
6063	7/22	53° 59.98'	165° 48.03'	39	7.0	1,993	86	425	62	0	5	0
6064	6/30	54° 10.05'	164° 06.99'	38	7.0	513	29	368	50	0	141	0
6065	6/30	54° 09.77'	164° 25.02'	47	7.0	998	66	692	103	0	20	0
6066	7/1	54° 09.47'	164° 40.77'	39	7.0	1,118	58	421	68	0	50	0
7001	8/24	54° 30.06'	165° 44.03'	206	7.0	84	6	504	69	10	0	0
7002	8/20	54° 30.00'	166° 18.95'	269	7.0	472	15	0	0	30	0	5
7003	8/20	54° 29.97'	166° 35.94'	263	7.0	526	15	0	0	55	0	5
7004	8/20	54° 29.79'	166° 52.87'	261	7.0	428	14	0	0	15	0	5
7006	8/24	54° 39.95'	165° 25.98'	108	6.5	61	2	282	47	0	42	0
7007	8/24	54° 39.83'	165° 42.91'	182	7.0	55	3	7	1	10	0	0
7008	8/22	54° 40.23'	166° 00.92'	177	7.0	77	4	0	0	5	0	0
7009	8/22	54° 39.58'	166° 17.99'	172	7.1	160	6	7	1	0	10	0
7010	8/21	54° 40.09'	166° 35.00'	183	7.0	403	20	5	1	10	5	0
7011	7/14	54° 40.05'	166° 53.14'	207	7.0	1,518	58	0	0	5	0	0
7012	7/14	54° 40.00'	167° 10.02'	246	7.0	416	12	0	0	5	0	10
7013	8/23	54° 50.11'	165° 25.30'	83	6.9	11	1	161	34	0	25	0
7014	8/23	54° 50.17'	165° 43.02'	83	7.0	43	3	251	43	5	76	0
7015	8/22	54° 49.95'	166° 00.04'	85	7.0	168	6	127	19	0	0	0
7016	8/21	54° 50.01'	166° 18.00'	90	7.0	141	4	21	3	0	29	0
7017	8/21	54° 50.08'	166° 34.92'	107	7.0	39	2	0	0	0	0	0
7018	7/13	54° 49.91'	166° 52.12'	144	7.0	390	16	10	1	0	5	0
7019	7/14	54° 50.00'	167° 10.06'	192	7.1	1,188	46	8	1	0	0	0
7021	7/13	54° 59.97'	166° 34.12'	79	7.0	216	9	9	1	0	35	0
7022	7/12	55° 00.00'	166° 51.97'	83	7.1	438	17	0	0	0	0	0
7023	7/8	55° 00.16'	167° 09.05'	94	7.0	217	11	24	3	0	5	0
7024	7/8	55° 00.05'	167° 27.02'	160	7.1	489	18	9	1	0	20	0
7025	7/13	55° 09.92'	166° 34.23'	77	7.1	133	7	0	0	0	25	0
7026	7/12	55° 09.98'	166° 51.09'	78	7.0	252	11	0	0	0	40	0
7027	7/12	55° 10.00'	167° 09.11'	82	7.1	843	33	26	3	0	30	0
7028	7/8	55° 10.03'	167° 26.03'	88	7.1	478	19	29	4	0	31	0
7029	7/7	55° 10.10'	167° 44.06'	164	7.0	465	20	21	3	0	46	0
7030	7/7	55° 20.04'	167° 44.05'	88	7.1	101	6	0	0	0	40	0
7031	7/7	55° 20.06'	168° 00.95'	196	7.0	424	20	9	1	0	15	5
7032	7/6	55° 30.05'	168° 00.98'	78	7.0	202	9	49	6	0	70	0
7033	7/6	55° 30.09'	168° 18.99'	133	7.1	138	5	0	0	0	86	0
7034	7/6	55° 40.09'	168° 36.93'	78	7.1	18	1	0	0	0	224	0
7035	7/5	55° 50.01'	168° 37.02'	78	7.1	643	19	38	5	0	91	0
7036	7/5	55° 49.99'	168° 52.05'	158	7.0	395	16	26	3	0	70	0
7037	7/4	56° 00.02'	168° 19.01'	85	7.1	57	4	133	20	0	60	0
7038	7/5	56° 00.03'	168° 36.99'	140	7.0	17	1	0	0	0	70	0
7039	7/1	56° 00.20'	169° 48.45'	139	7.0	193	8	0	0	0	30	35
7040	7/1	56° 00.11'	170° 06.15'	94	7.1	470	17	15	2	0	32	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 4A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
7041	7/4	56° 10.00'	168° 00.99'	78	7.0	15	1	7	1	0	130	0
7042	7/3	56° 10.00'	168° 19.00'	89	7.1	122	5	53	8	0	76	0
7043	7/3	56° 10.07'	168° 37.04'	172	7.1	125	6	19	2	5	116	5
7044	7/2	56° 09.96'	168° 55.02'	149	7.1	186	7	0	0	0	71	0
7045	7/2	56° 10.00'	169° 30.99'	269	7.1	1,555	37	0	0	30	0	10
7046	7/1	56° 10.15'	170° 42.05'	75	7.1	11	1	9	1	0	56	0
7047	7/4	56° 19.97'	168° 02.51'	77	7.1	62	1	13	2	0	71	0
7048	7/3	56° 20.00'	168° 18.97'	84	7.0	43	1	35	7	0	50	0
7049	7/2	56° 19.95'	169° 12.91'	73	7.1	24	1	16	2	0	45	0
109 Total Effective 4A Stations					Totals	81,333	3,895	27,127	3,744	966	8,759	203

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 4B

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
6067	6/13	51° 10.00'	179° 00.63'	197	7.1	1,516	51	51	6	40	0	15
6069	6/9	51° 29.96'	176° 52.01'	191	7.0	2,213	92	0	0	95	75	40
6070	6/14	51° 30.00'	178° 29.00'	105	6.9	1,617	68	32	4	83	0	0
6071	6/13	51° 30.01'	178° 45.05'	130	7.0	916	43	34	5	120	40	10
6072	6/6	51° 40.00'	175° 48.34'	255	6.9	274	10	0	0	34	0	25
6073	6/7	51° 40.00'	176° 04.08'	157	7.0	847	40	10	1	5	45	15
6074	6/7	51° 40.00'	176° 20.00'	83	7.0	329	13	98	14	0	65	0
6075	6/9	51° 40.02'	177° 09.00'	64	7.0	645	26	186	29	0	300	0
6076	6/9	51° 39.91'	177° 25.00'	93	7.1	1,272	50	141	19	5	177	25
6077	6/14	51° 39.95'	178° 13.01'	37	6.9	1,546	63	82	9	0	328	0
6078	6/14	51° 39.99'	178° 28.63'	241	7.0	706	21	0	0	60	0	5
6079	6/4	51° 49.92'	174° 26.99'	122	6.9	1,015	42	141	18	0	20	0
6080	6/5	51° 50.00'	174° 42.92'	116	6.9	695	38	94	11	0	20	0
6081	6/5	51° 50.01'	174° 59.92'	115	7.1	1,144	55	39	5	0	10	0
6082	6/6	51° 50.00'	175° 16.07'	107	6.9	537	23	37	5	0	5	0
6083	6/6	51° 49.99'	175° 32.14'	91	7.0	596	28	162	21	0	5	0
6084	6/6	51° 50.00'	175° 47.84'	68	6.9	189	13	200	34	0	69	0
6085	6/3	52° 00.00'	173° 22.06'	39	7.1	954	22	32	5	201	0	0
6086	6/3	52° 00.00'	173° 38.16'	42	7.0	225	12	67	8	89	0	0
6087	6/3	52° 00.00'	173° 53.73'	44	7.0	412	12	72	13	0	35	0
6088	6/4	52° 00.02'	174° 11.00'	53	6.9	0	0	42	10	0	5	0
6089	6/4	51° 58.78'	174° 26.00'	44	7.0	691	22	31	6	0	218	0
6090	6/5	52° 00.00'	174° 58.68'	37	7.0	185	6	25	4	0	134	0
6091	6/8	51° 59.97'	176° 21.00'	82	7.0	302	19	60	7	30	0	0
6092	6/12	52° 00.00'	179° 26.80'	54	6.9	454	10	8	1	0	0	0
6093	6/2	52° 10.00'	172° 49.28'	75	6.9	1,228	46	89	12	0	309	0
6094	6/2	52° 09.99'	173° 05.20'	47	7.0	417	15	88	13	0	94	0
6095	6/2	52° 10.02'	173° 21.15'	52	7.0	744	22	53	7	0	0	0
6096	6/1	52° 10.02'	173° 53.67'	47	7.0	501	26	155	20	0	30	0
6097	5/31	52° 10.00'	174° 43.31'	59	6.8	487	20	29	4	0	0	0
6098	5/31	52° 10.00'	174° 58.80'	63	7.0	229	10	47	7	0	0	0
6099	5/31	52° 10.00'	175° 15.36'	122	7.0	1,791	55	7	1	0	132	0
6100	6/8	52° 10.00'	175° 47.79'	184	7.0	1,672	52	0	0	55	20	85
6101	6/12	52° 10.00'	179° 28.09'	156	6.8	308	7	0	0	0	0	0
6102	6/11	52° 09.89'	179° 42.00'	162	7.0	675	16	0	0	0	0	5
6103	6/12	52° 10.00'	179° 44.05'	51	7.0	359	14	35	4	0	5	0
6104	6/11	52° 10.00'	179° 58.05'	55	7.2	275	4	0	0	0	0	0
6105	6/1	52° 19.99'	173° 53.00'	60	7.0	160	7	77	12	0	0	0
6106	6/11	52° 20.00'	179° 41.12'	167	7.1	413	6	0	0	0	0	0
6107	6/12	52° 20.00'	179° 45.01'	73	6.9	1,167	39	0	0	0	0	0
6108	6/11	52° 19.98'	179° 57.12'	68	7.0	295	11	0	0	0	0	0
6109	6/1	52° 29.63'	173° 37.00'	217	7.1	606	18	0	0	35	0	0
6110	6/10	52° 30.00'	179° 41.03'	53	7.0	212	7	0	0	0	20	0
6111	6/10	52° 30.00'	179° 46.27'	227	6.9	0	0	0	0	5	0	20
6112	6/10	52° 39.99'	179° 24.21'	61	7.0	698	19	7	1	0	30	0
6113	8/14	51° 20.07'	179° 06.92'	49	6.9	806	24	40	5	0	257	0
6114	8/13	51° 29.99'	178° 36.07'	118	7.0	203	6	0	0	0	35	35
6115	8/14	51° 28.99'	178° 53.21'	43	7.0	320	5	3	1	0	110	0
6116	8/9	51° 40.04'	175° 38.98'	85	7.0	50	1	0	0	0	0	5

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 4B

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
6117	8/13	51° 40.34'	178° 04.08'	175	7.0	1,069	25	0	0	0	0	80
6118	8/13	51° 40.02'	178° 20.75'	76	7.1	568	23	33	5	0	15	0
6119	8/9	51° 50.12'	175° 38.97'	56	7.1	13	1	0	0	0	0	0
6120	8/9	51° 49.94'	175° 55.95'	71	7.0	0	0	0	0	0	0	0
6121	8/11	51° 50.06'	177° 32.97'	58	7.1	251	7	17	2	0	5	15
6122	8/11	51° 50.13'	177° 49.00'	60	7.0	372	12	24	3	0	10	5
6123	8/12	51° 50.09'	178° 20.75'	147	7.0	1,231	29	15	2	0	15	10
6124	8/8	52° 00.13'	175° 55.90'	54	7.0	238	3	0	0	0	0	29
6125	8/10	51° 59.96'	176° 44.76'	50	7.0	307	12	73	9	0	40	0
6126	8/10	51° 59.95'	177° 16.96'	59	7.0	24	1	0	0	0	25	0
6127	8/11	51° 59.92'	177° 50.10'	64	7.0	555	18	30	4	0	30	0
6128	8/12	52° 00.11'	178° 21.98'	55	7.0	233	2	8	1	0	35	0
6129	7/27	52° 10.00'	173° 46.00'	80	7.1	74	3	8	1	0	10	0
6130	8/8	52° 09.97'	175° 06.74'	92	7.0	0	0	0	0	0	0	0
6131	8/8	52° 10.02'	175° 23.06'	199	7.0	117	3	0	0	0	0	30
6132	7/27	52° 20.02'	173° 28.80'	41	7.0	198	11	42	5	0	83	0
6133	7/27	52° 17.62'	173° 45.71'	38	7.0	1,040	35	35	4	0	159	0
6134	7/30	52° 20.59'	174° 02.00'	83	6.9	594	28	9	1	0	78	29
6135	7/30	52° 19.97'	174° 17.98'	100	7.0	423	15	0	0	0	70	0
6137	7/26	52° 30.00'	172° 55.98'	159	7.0	242	11	7	1	0	25	35
6138	7/26	52° 29.98'	173° 11.95'	61	7.0	645	24	33	5	0	15	0
6139	7/28	52° 30.05'	173° 28.95'	83	7.0	786	29	10	1	0	10	0
6140	7/30	52° 29.92'	174° 02.06'	68	7.0	1,211	47	9	1	0	35	0
6141	8/7	52° 29.98'	174° 17.85'	62	7.1	183	9	0	0	0	20	0
6142	8/7	52° 30.00'	174° 33.84'	192	7.0	565	15	0	0	0	0	15
6143	8/7	52° 30.01'	174° 50.95'	146	7.0	692	28	26	3	0	10	5
6144	7/25	52° 39.99'	172° 54.96'	65	7.1	1,216	41	19	2	0	31	0
6145	7/26	52° 39.99'	173° 12.00'	51	7.0	587	24	46	5	0	20	0
6146	7/28	52° 40.13'	173° 27.98'	50	7.0	819	28	0	0	0	30	0
6147	7/28	52° 40.11'	173° 44.87'	55	6.9	439	15	21	2	0	0	0
6148	7/29	52° 40.07'	174° 00.96'	39	7.0	214	8	6	1	0	5	0
6149	7/29	52° 40.06'	174° 17.96'	23	7.0	1,221	62	25	3	0	55	10
6150	7/24	52° 50.03'	172° 05.00'	137	7.0	1,031	46	106	11	5	0	15
6151	7/24	52° 50.12'	172° 21.97'	162	7.1	126	6	0	0	0	0	30
6152	7/25	52° 49.98'	172° 38.16'	54	7.1	2,089	62	46	6	0	40	0
6153	7/29	52° 50.05'	173° 44.84'	65	7.1	122	5	10	1	0	30	0
6154	7/23	52° 59.95'	170° 57.89'	267	7.0	0	0	0	0	5	0	65
6155	7/24	53° 00.10'	172° 21.16'	141	7.5	1,264	50	30	3	17	22	33
6156	7/23	53° 09.97'	170° 56.92'	63	7.0	126	2	0	0	0	0	0
6157	7/23	53° 20.03'	170° 39.06'	218	7.0	0	0	0	0	0	0	15
89 Total Effective 4B Stations					Totals	53,776	1,949	2,962	404	884	3,511	706

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2005 IPHC Stock Assessment Survey

Area 4D

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Hauled ¹	Legal Halibut		Sublegal Halibut		Bycatch (numbers) ³			
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish	
7050	6/25	56° 20.06'	171° 19.05'	79	7.0	141	8	30	4	0	30	0	
7051	6/25	56° 30.05'	171° 37.05'	81	7.1	59	2	20	3	0	71	0	
7052	6/25	56° 29.99'	171° 55.16'	168	7.1	122	5	0	0	0	71	0	
7053	6/24	56° 40.08'	173° 07.02'	86	7.0	130	5	0	0	0	135	0	
7054	6/24	56° 50.06'	173° 25.00'	235	7.1	888	29	0	0	5	15	20	
7055	6/24	56° 59.98'	173° 25.15'	106	7.1	209	10	0	0	0	96	0	
7056	6/23	57° 00.02'	173° 42.97'	263	7.1	514	17	0	0	5	0	5	
7057	6/23	57° 10.09'	173° 42.94'	80	7.0	199	6	8	1	0	115	0	
7058	6/23	57° 20.02'	173° 43.05'	74	7.1	266	12	25	3	0	86	0	
7059	6/22	57° 40.06'	173° 42.79'	72	7.0	194	10	64	8	0	40	0	
7060	6/22	57° 50.01'	173° 43.06'	83	7.1	710	30	54	6	0	71	0	
7061	6/17	58° 20.05'	174° 19.98'	112	7.1	41	3	15	2	0	111	0	
7062	6/17	58° 20.02'	175° 16.88'	189	7.1	1,671	73	63	7	20	25	5	
7063	6/21	58° 29.99'	174° 19.98'	76	7.0	155	8	0	0	0	20	0	
7064	6/20	58° 29.90'	175° 17.79'	99	7.1	88	4	25	3	0	207	0	
7065	6/18	58° 30.10'	175° 36.94'	95	7.0	70	5	30	3	0	180	0	
7067	6/21	58° 40.04'	174° 20.00'	89	7.2	556	25	66	8	0	0	0	
7068	6/21	58° 39.97'	174° 38.88'	112	7.1	896	34	45	5	0	20	0	
7069	6/20	58° 39.92'	174° 58.77'	119	7.0	936	38	98	12	0	15	0	
7070	6/20	58° 40.02'	175° 18.01'	122	7.0	1,368	55	75	10	0	70	0	
7071	6/18	58° 40.04'	175° 55.74'	76	7.1	13	1	13	2	0	136	0	
7072	6/18	58° 40.05'	176° 15.80'	76	7.0	0	0	15	2	0	215	0	
7073	6/3	58° 40.01'	177° 12.92'	77	7.1	617	20	120	20	0	172	0	
7074	6/3	58° 50.00'	177° 33.27'	73	7.0	33	2	21	4	0	112	0	
7075	6/3	58° 50.06'	177° 52.74'	254	7.0	1,284	45	21	2	10	0	15	
7076	6/19	59° 00.05'	177° 54.41'	73	7.2	1,235	41	62	9	0	102	0	
7077	6/19	59° 00.05'	178° 13.13'	115	7.0	1,422	57	31	4	0	65	0	
7078	6/9	59° 10.04'	176° 55.95'	80	7.0	209	9	36	4	0	130	0	
7079	6/9	59° 10.02'	177° 15.82'	80	7.1	436	24	55	7	0	101	0	
7080	6/10	59° 10.11'	177° 35.11'	89	7.0	210	12	11	2	0	65	0	
7081	6/10	59° 09.98'	177° 55.09'	98	7.0	209	6	70	14	0	80	0	
7082	6/19	59° 10.11'	178° 14.02'	76	7.0	515	6	0	0	0	10	0	
7083	6/8	59° 20.04'	176° 57.00'	79	7.0	461	20	57	8	0	245	0	
7084	6/9	59° 19.94'	177° 16.83'	85	7.0	745	35	69	9	0	121	0	
7085	6/10	59° 19.98'	177° 35.85'	142	7.0	107	5	5	1	0	5	0	
7086	6/8	59° 29.99'	176° 38.07'	76	7.1	50	2	17	2	0	135	0	
7087	6/8	59° 29.96'	176° 57.96'	82	7.0	168	9	57	7	0	135	0	
7088	6/7	59° 30.03'	177° 18.01'	84	7.2	415	18	26	3	0	102	0	
7089	6/6	59° 29.97'	177° 36.88'	126	7.0	105	6	31	4	0	90	0	
7090	6/6	59° 30.00'	177° 56.80'	209	7.0	3,284	139	113	13	0	15	15	
7091	6/5	59° 30.06'	178° 16.92'	141	7.0	2,316	109	325	40	0	55	0	
7092	6/7	59° 40.03'	176° 59.01'	84	7.1	60	3	48	7	0	217	0	
7093	6/7	59° 40.03'	177° 18.98'	111	7.0	134	7	19	3	0	150	0	
7094	6/6	59° 39.94'	177° 38.84'	125	7.0	382	12	63	9	0	100	0	
7095	6/5	59° 40.05'	177° 57.84'	91	7.0	139	8	14	2	0	175	0	
7096	6/5	59° 40.02'	178° 17.98'	88	7.1	56	3	53	6	0	121	0	
7097	6/4	59° 49.98'	177° 58.99'	76	7.0	0	0	4	1	0	265	0	
7098	6/4	59° 50.03'	178° 19.01'	76	7.0	110	2	17	3	0	250	0	
7099	6/4	59° 49.96'	178° 38.78'	80	7.0	24	1	12	2	0	201	0	
49 Total Effective 4D Stations						Totals	23,949	981	2,003	265	40	4,949	60

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.