

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
1001	8/24	42° 00.26'	124° 27.12'	52	8.0	11	1	7	1	0	0	0
1002	8/24	42° 10.12'	124° 26.97'	52	8.0	148	4	10	1	8	0	0
1003	8/23	42° 20.37'	124° 40.99'	137	8.0	22	1	0	0	88	0	0
1004	8/23	42° 29.30'	124° 41.08'	63	8.0	197	9	90	10	0	0	0
1005	8/23	42° 40.20'	124° 39.72'	76	8.0	0	0	0	0	8	0	0
1006	8/22	42° 50.01'	124° 40.00'	45	8.0	0	0	9	1	0	0	0
1007	8/22	42° 49.99'	124° 54.06'	224	8.0	0	0	0	0	168	0	0
1008	8/21	42° 59.94'	124° 40.04'	71	8.0	11	1	0	0	8	0	0
1009	8/22	42° 59.73'	124° 54.05'	209	8.0	0	0	0	0	216	0	8
1010	8/21	43° 10.26'	124° 40.17'	80	8.0	172	6	47	5	24	0	96
1011	8/21	43° 20.08'	124° 40.00'	102	8.0	130	3	8	1	24	0	0
1012	8/19	43° 30.05'	124° 26.01'	68	8.0	60	2	30	4	24	0	0
1013	8/20	43° 30.05'	124° 40.09'	203	8.0	0	0	0	0	144	0	0
1014	8/19	43° 40.03'	124° 26.09'	66	8.0	11	1	23	3	0	0	0
1015	8/20	43° 39.53'	124° 39.98'	223	8.0	0	0	0	0	96	0	8
1016	8/16	43° 49.99'	124° 25.69'	61	8.0	26	2	24	3	8	0	0
1017	8/16	43° 49.87'	124° 40.03'	195	8.0	0	0	6	1	0	104	0
1018	8/16	44° 00.08'	124° 26.03'	67	8.0	0	0	0	0	40	0	0
1019	8/15	43° 59.97'	124° 40.31'	71	8.0	0	0	0	0	176	0	0
1020	8/15	44° 00.08'	124° 53.97'	52	8.0	321	14	73	9	0	0	64
1021	8/13	44° 10.18'	124° 12.05'	29	8.0	0	0	0	0	0	0	0
1022	8/14	44° 10.04'	124° 26.05'	55	8.0	0	0	0	0	8	0	0
1023	8/14	44° 09.92'	124° 40.00'	64	8.0	0	0	0	0	24	0	0
1024	8/15	44° 10.13'	124° 54.05'	69	6.5	640	24	76	9	19	0	9
1025	8/13	44° 20.12'	124° 12.14'	29	8.0	0	0	0	0	0	0	0
1026	8/13	44° 19.98'	124° 26.04'	48	8.0	0	0	0	0	0	0	0
1027	8/14	44° 19.99'	124° 40.06'	51	8.0	300	12	168	22	0	0	32
1028	8/11	44° 29.97'	124° 12.00'	30	8.0	0	0	0	0	0	0	0
1029	8/12	44° 29.81'	124° 40.52'	104	8.0	100	6	199	23	96	0	0
1030	8/11	44° 39.92'	124° 11.05'	33	8.0	0	0	0	0	0	0	0
1031	8/11	44° 39.95'	124° 25.00'	51	8.0	85	6	68	9	32	0	8
1032	8/12	44° 39.72'	124° 39.90'	152	8.0	163	7	36	4	120	0	8
1033	8/12	44° 39.98'	124° 52.77'	250	8.0	0	0	0	0	120	0	0
1034	8/7	44° 50.05'	124° 10.96'	44	8.0	0	0	18	2	8	0	0
1035	8/6	44° 50.36'	124° 25.02'	85	8.0	130	8	105	12	72	0	0
1036	8/6	44° 50.00'	124° 39.08'	186	8.0	71	2	0	0	120	0	0
1037	8/7	44° 59.82'	124° 11.11'	62	8.0	13	1	17	2	48	0	0
1038	8/7	44° 59.94'	124° 24.98'	146	8.0	300	7	11	1	341	0	0
1039	8/6	44° 59.91'	124° 38.86'	252	8.0	0	0	0	0	200	0	16
1040	8/5	45° 10.00'	124° 11.04'	73	8.0	37	2	0	0	48	0	0
1041	8/5	45° 09.98'	124° 25.10'	204	8.0	0	0	0	0	224	0	8
1042	8/5	45° 19.95'	124° 10.99'	73	8.0	0	0	0	0	40	0	0
1043	8/4	45° 20.09'	124° 24.92'	196	8.0	0	0	0	0	128	0	0
1044	8/4	45° 19.96'	124° 39.16'	253	8.0	0	0	0	0	143	0	16
1045	8/3	45° 29.91'	124° 11.01'	68	8.0	30	2	0	0	16	0	0
1046	8/3	45° 29.81'	124° 24.99'	112	8.0	138	6	32	4	224	0	0
1047	8/4	45° 29.86'	124° 39.07'	259	8.0	0	0	0	0	160	0	0
1048	8/3	45° 40.06'	124° 10.04'	58	8.0	24	2	29	3	0	0	0
1049	8/2	45° 39.74'	124° 25.03'	91	8.0	97	4	10	1	56	0	0
1050	8/2	45° 39.77'	124° 39.12'	185	8.0	30	2	0	0	87	0	0

<sup>1</sup> Standard skate =1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

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## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
1051	7/30	45° 50.05'	124° 10.07'	52	8.0	0	0	6	1	87	0	0
1052	7/30	45° 50.01'	124° 25.05'	82	8.0	0	0	0	0	16	0	0
1053	8/2	45° 49.89'	124° 39.00'	111	8.0	0	0	0	0	168	0	0
1054	7/30	46° 00.10'	124° 10.00'	46	8.0	0	0	0	0	0	0	0
1055	7/29	45° 59.67'	124° 24.03'	76	8.0	0	0	5	1	56	0	0
1056	7/29	46° 00.03'	124° 39.07'	102	8.0	146	5	8	1	232	0	0
1057	7/29	46° 09.77'	124° 38.91'	137	8.0	171	6	51	6	200	0	0
1058	7/28	46° 19.96'	124° 24.02'	64	8.0	153	5	9	1	104	0	0
1059	7/28	46° 30.03'	124° 24.05'	50	8.0	13	1	8	1	111	0	0
1060	7/28	46° 40.04'	124° 23.89'	44	8.0	0	0	0	0	8	0	0
1061	7/27	46° 40.19'	124° 38.05'	74	8.0	40	2	0	0	63	0	0
1062	7/25	46° 50.09'	124° 23.93'	38	8.0	0	0	0	0	0	0	0
1063	7/27	46° 50.05'	124° 38.09'	65	8.0	0	0	0	0	48	0	0
1064	7/27	46° 50.34'	124° 53.05'	106	8.0	267	12	71	8	240	0	0
1065	7/25	46° 59.98'	124° 24.13'	29	8.0	181	9	37	4	0	0	0
1066	7/26	46° 59.88'	124° 37.91'	52	8.0	84	5	37	5	16	0	0
1067	7/26	46° 59.97'	124° 52.97'	91	8.0	150	6	50	6	0	0	0
1068	7/25	47° 10.20'	124° 23.98'	24	8.0	47	2	8	1	0	0	0
1069	7/20	47° 09.93'	124° 38.04'	48	7.9	93	6	103	13	8	0	0
1070	7/26	47° 09.96'	124° 52.94'	83	8.0	142	8	28	3	214	0	0
1071	7/20	47° 19.93'	124° 37.98'	47	8.0	128	7	60	8	0	0	0
1072	7/20	47° 30.07'	124° 52.95'	99	8.0	1,428	60	111	12	136	0	8
1073	7/19	47° 39.74'	124° 38.05'	26	8.0	211	14	77	9	0	0	0
1074	7/19	47° 40.08'	124° 53.06'	61	8.0	106	4	0	0	32	0	0
1075	7/19	47° 50.02'	124° 53.08'	53	8.0	327	17	153	17	0	0	0
1076	7/18	47° 50.14'	125° 08.09'	147	8.0	655	27	10	1	166	0	8
1077	7/18	47° 59.70'	124° 53.05'	36	8.0	310	12	96	12	0	0	0
1078	7/18	47° 59.95'	125° 08.02'	79	8.0	340	13	98	11	32	0	0
1079	7/17	48° 00.24'	125° 37.83'	164	8.0	397	21	19	2	372	0	48
1080	7/16	48° 10.09'	124° 52.99'	32	8.0	310	18	77	10	0	0	0
1081	7/16	48° 09.84'	125° 07.95'	92	8.0	781	34	113	13	56	0	96
1082	7/17	48° 09.98'	125° 23.05'	61	7.9	3,344	185	654	82	0	0	89
1083	7/17	48° 10.05'	125° 38.05'	92	8.0	1,421	66	30	3	301	0	0
1084	7/16	48° 19.95'	125° 23.01'	66	8.0	82	4	0	0	8	0	0
2001	5/28	48° 20.41'	125° 37.84'	77	8.1	174	8	8	1	23	0	0
2002	5/29	48° 20.02'	125° 52.17'	142	8.0	137	5	11	1	151	0	10
2003	5/28	48° 30.27'	125° 23.00'	74	8.0	0	0	0	0	5	0	0
2004	5/28	48° 30.16'	125° 38.52'	53	8.0	15	1	11	1	0	0	0
2005	5/29	48° 29.96'	125° 52.73'	58	8.0	89	5	58	7	0	0	27
2006	5/29	48° 29.93'	126° 07.64'	107	8.0	374	17	0	0	219	0	6
2007	5/27	48° 39.06'	125° 07.52'	37	8.0	219	6	9	1	0	1	21
2008	5/27	48° 40.75'	125° 23.55'	48	8.0	257	15	101	12	1	0	3
2009	5/31	48° 39.81'	125° 37.91'	63	8.0	51	3	10	1	0	0	0
2010	5/31	48° 40.05'	125° 52.77'	40	8.0	164	10	27	3	0	0	0
2011	6/1	48° 39.89'	126° 08.03'	78	8.1	15	1	0	0	0	0	0
2012	5/31	48° 49.91'	125° 36.16'	25	8.0	475	14	0	0	0	0	3
2013	6/1	48° 49.75'	125° 52.59'	31	8.0	708	25	10	1	0	0	14
2014	6/1	48° 49.70'	126° 07.89'	60	8.0	39	1	18	2	0	0	0
2015	6/4	48° 49.61'	126° 23.79'	97	8.0	437	24	65	7	75	1	0
2016	6/4	49° 00.27'	126° 08.88'	40	8.0	46	3	62	8	0	0	0

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						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
2018	6/5	49° 00.00'	126° 37.03'	126	8.0	291	14	19	3	83	0	6
2019	6/6	49° 09.35'	126° 23.31'	51	8.0	79	5	55	9	0	0	0
2020	6/5	49° 10.19'	126° 37.55'	68	8.0	299	12	26	3	0	0	0
2021	6/5	49° 09.80'	126° 52.32'	93	8.0	74	5	63	7	16	0	0
2023	6/6	49° 19.91'	126° 21.02'	22	8.0	11	1	0	0	0	0	0
2024	6/6	49° 19.91'	126° 37.65'	38	8.0	494	13	9	1	0	0	17
2025	6/11	49° 20.16'	126° 53.04'	75	7.9	152	5	41	5	1	0	0
2026	6/15	49° 20.36'	127° 08.41'	95	8.0	266	11	10	1	121	0	1
2027	6/11	49° 30.48'	126° 39.16'	24	8.0	25	1	7	1	0	0	4
2028	6/11	49° 29.95'	126° 52.34'	49	8.0	17	1	16	2	0	0	0
2029	6/15	49° 29.71'	127° 09.00'	79	8.0	163	10	52	6	7	0	0
2030	6/16	49° 40.10'	127° 09.20'	63	8.0	39	3	213	29	2	0	0
2031	6/16	49° 39.94'	127° 24.09'	132	8.1	501	15	11	1	88	0	21
2032	6/17	49° 49.86'	127° 24.16'	44	8.0	311	16	102	13	0	0	1
2033	6/17	49° 49.77'	127° 40.13'	94	8.0	104	6	25	3	22	0	29
2034	6/17	49° 59.88'	127° 40.28'	47	8.1	786	42	237	27	0	0	3
2035	6/20	50° 18.91'	128° 11.30'	89	8.0	209	10	9	1	21	0	21
2037	6/20	50° 30.73'	128° 26.66'	102	8.0	559	17	30	4	38	1	19
2038	6/21	50° 39.86'	128° 27.63'	47	8.0	477	22	157	21	0	0	4
2039	6/21	50° 39.72'	128° 43.81'	106	8.0	71	5	18	2	15	0	16
2040	6/21	50° 49.85'	128° 28.80'	32	8.0	1,243	52	115	14	0	0	4
2041	6/29	51° 00.23'	127° 57.83'	64	8.0	623	42	238	30	36	3	1
2042	6/26	50° 59.91'	128° 13.43'	52	8.0	238	12	136	18	20	1	9
2043	6/29	51° 09.36'	127° 56.17'	67	8.0	176	13	138	15	1	0	0
2044	6/22	50° 50.11'	128° 59.84'	48	8.1	864	38	145	19	0	0	56
2045	6/23	50° 49.83'	129° 15.69'	67	6.1	958	42	216	29	0	0	5
2046	6/26	50° 59.98'	128° 28.20'	51	8.0	152	10	134	19	0	0	4
2047	6/22	50° 59.84'	128° 45.10'	37	8.0	1,036	40	249	31	0	0	16
2048	6/22	51° 00.02'	128° 59.67'	44	8.0	311	14	379	47	0	0	0
2049	6/23	50° 59.58'	129° 15.97'	87	8.0	230	13	319	39	28	0	0
2050	6/23	50° 59.88'	129° 32.02'	132	8.1	625	23	99	12	30	0	11
2051	6/29	51° 09.82'	128° 12.48'	56	8.0	281	18	131	16	0	0	10
2052	6/30	51° 09.66'	128° 27.84'	104	8.0	458	32	63	8	3	0	1
2053	6/30	51° 09.89'	128° 43.98'	54	8.0	149	12	278	39	0	0	0
2054	7/2	51° 09.82'	128° 59.77'	72	8.0	674	39	326	40	1	1	0
2055	6/24	51° 10.20'	129° 16.49'	149	8.1	1,720	56	76	8	121	0	29
2056	6/24	51° 10.14'	129° 31.55'	154	8.0	286	11	62	7	124	0	0
2057	7/8	51° 20.00'	127° 54.81'	67	8.0	894	43	242	30	1	2	5
2058	7/8	51° 19.58'	128° 11.06'	41	8.0	339	15	174	23	0	0	0
2059	7/9	51° 19.89'	128° 26.37'	79	8.0	205	9	21	3	3	0	4
2060	6/30	51° 19.71'	128° 43.46'	111	8.0	1,228	50	59	7	90	0	2
2061	7/2	51° 19.81'	128° 58.73'	134	8.0	412	19	69	8	78	0	20
2062	7/2	51° 20.02'	129° 15.20'	124	8.0	110	8	75	8	29	0	3
2063	6/24	51° 20.14'	129° 30.94'	109	8.0	1,209	55	134	14	32	0	20
2064	6/25	51° 19.84'	129° 46.72'	131	8.0	283	15	72	8	65	0	7
2065	7/8	51° 29.89'	128° 10.98'	47	8.0	1,131	40	181	23	0	0	14
2066	7/9	51° 29.78'	128° 27.66'	103	8.0	21	1	0	0	5	0	3
2067	7/1	51° 30.31'	128° 43.11'	43	8.1	55	3	62	7	0	0	0
2068	7/1	51° 30.01'	128° 59.19'	24	8.0	199	10	22	3	0	0	2
2069	7/3	51° 30.05'	129° 15.22'	28	8.0	153	2	8	1	0	0	1

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						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
2070	7/3	51° 29.67'	129° 29.75'	54	8.0	2,142	113	674	78	0	0	73
2071	6/25	51° 29.80'	129° 47.40'	93	8.0	951	43	189	22	49	0	72
2072	6/25	51° 30.13'	130° 01.82'	188	8.1	375	16	25	3	105	0	62
2073	7/10	51° 40.77'	128° 25.55'	78	8.0	103	6	16	2	3	0	0
2074	7/1	51° 39.95'	128° 58.83'	28	8.0	195	13	95	11	0	0	0
2075	7/3	51° 39.90'	129° 15.53'	31	8.0	261	17	77	9	0	0	0
2076	7/4	51° 39.98'	129° 30.97'	54	8.0	214	15	352	45	0	0	1
2077	7/4	51° 40.06'	129° 47.12'	142	8.0	706	23	67	8	69	0	19
2078	7/10	51° 50.22'	128° 26.16'	89	8.1	283	17	154	18	12	0	0
2079	7/10	51° 50.08'	128° 41.73'	62	8.0	392	30	715	90	0	0	0
2080	7/5	51° 49.69'	128° 58.01'	44	8.1	353	21	75	9	0	0	45
2081	7/5	51° 50.16'	129° 14.71'	68	8.0	386	24	102	12	0	0	0
2082	7/4	51° 49.94'	129° 32.04'	141	8.0	489	22	0	0	43	0	14
2083	7/11	52° 00.38'	128° 40.80'	88	8.0	526	28	178	23	5	0	16
2084	7/11	51° 59.51'	128° 57.83'	72	8.0	798	48	223	28	1	0	3
2085	7/5	51° 59.90'	129° 13.90'	97	8.1	18	1	30	4	3	0	1
2086	7/11	52° 09.82'	128° 40.70'	118	8.0	608	19	8	1	7	0	9
2087	7/5	51° 39.93'	130° 03.01'	190	8.0	85	5	20	2	101	0	29
2088	7/6	51° 39.95'	130° 19.00'	141	8.0	64	3	39	4	72	0	61
2089	7/5	51° 49.95'	129° 47.00'	142	8.1	546	20	62	7	38	0	8
2090	7/5	51° 49.97'	130° 03.00'	99	8.0	2,553	92	142	16	31	2	60
2091	7/6	51° 50.00'	130° 19.00'	117	8.0	1,903	96	548	64	15	2	46
2092	7/6	51° 50.03'	130° 35.00'	163	8.0	1,513	70	316	36	10	0	18
2093	7/7	51° 50.08'	130° 52.02'	101	8.0	2,364	57	102	11	4	0	244
2094	8/9	51° 59.86'	129° 30.00'	111	8.0	680	31	131	15	55	1	35
2095	8/8	51° 59.98'	129° 47.00'	62	8.0	1,862	67	480	60	0	0	42
2096	8/8	52° 00.11'	130° 03.00'	75	8.0	1,198	69	725	86	0	0	0
2097	7/8	52° 00.12'	130° 19.00'	193	8.0	0	0	0	0	121	0	4
2098	7/7	52° 00.05'	130° 35.00'	137	8.0	1,742	56	168	20	25	3	5
2099	7/7	51° 59.86'	130° 52.00'	102	8.0	816	36	233	27	0	1	9
2100	8/11	52° 10.04'	128° 57.00'	85	8.0	1,916	83	190	21	3	0	70
2101	8/11	52° 10.04'	129° 14.00'	92	8.0	51	4	7	1	6	0	0
2102	8/9	52° 09.95'	129° 30.00'	113	8.0	265	15	66	7	40	0	3
2103	8/9	52° 10.04'	129° 46.00'	109	7.9	1,120	45	146	18	5	0	2
2104	8/8	52° 10.11'	130° 03.00'	87	8.0	463	31	324	39	2	2	0
2105	7/8	52° 10.16'	130° 19.00'	216	8.0	38	1	0	0	176	0	19
2106	7/8	52° 10.03'	130° 35.00'	105	8.0	915	41	126	15	14	4	22
2107	7/10	52° 09.84'	130° 52.00'	121	8.0	406	22	91	10	14	0	8
2108	8/11	52° 19.90'	129° 13.00'	80	8.0	483	25	103	12	1	0	31
2109	8/10	52° 19.89'	129° 30.00'	94	8.0	486	16	53	7	5	0	34
2110	8/10	52° 20.05'	129° 46.00'	113	7.9	787	38	67	8	0	0	228
2111	8/7	52° 19.98'	130° 03.00'	127	8.0	929	38	61	7	7	1	34
2112	8/7	52° 20.03'	130° 19.00'	191	8.0	530	13	13	2	90	0	15
2113	7/10	52° 19.97'	130° 35.00'	91	8.0	1,500	54	85	10	6	3	6
2114	7/10	52° 19.98'	130° 52.00'	79	8.0	542	40	289	33	2	0	0
2115	8/10	52° 30.10'	129° 32.00'	48	8.0	615	22	71	9	0	0	24
2116	7/17	52° 29.94'	129° 46.00'	99	8.0	2,839	97	61	7	7	7	47
2117	7/17	52° 30.08'	130° 02.00'	146	8.0	635	22	16	2	19	0	10
2118	8/7	52° 30.09'	130° 19.00'	136	8.0	447	15	25	3	37	2	8
2119	7/15	52° 29.88'	130° 35.00'	65	8.0	1,320	51	272	31	0	0	62

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
2120	7/15	52° 29.88'	130° 52.00'	58	8.0	625	28	238	29	0	0	5
2121	7/17	52° 40.01'	129° 46.00'	107	8.0	732	20	0	0	6	0	29
2122	7/16	52° 40.08'	130° 02.00'	144	8.0	502	13	15	2	56	0	19
2123	7/16	52° 39.97'	130° 19.00'	121	8.0	119	6	9	1	23	1	10
2124	7/15	52° 39.89'	130° 35.00'	82	8.0	1,517	70	116	13	1	1	18
2125	7/18	52° 50.03'	130° 02.00'	141	8.0	111	4	9	1	62	0	53
2126	7/16	52° 49.98'	130° 19.00'	114	8.0	111	4	0	0	25	0	14
2127	7/18	52° 59.93'	129° 45.00'	98	8.0	372	13	61	7	16	1	60
2128	7/18	52° 59.95'	130° 02.00'	105	8.0	828	26	0	0	7	0	60
2129	7/9	52° 30.07'	131° 08.01'	55	8.0	1,998	98	310	42	0	0	40
2130	7/9	52° 30.02'	131° 25.00'	83	8.0	1,077	39	70	8	1	0	13
2131	7/14	52° 40.00'	130° 52.00'	50	8.0	536	33	562	68	0	0	0
2132	7/9	52° 40.07'	131° 08.00'	39	8.0	474	20	141	18	0	0	2
2133	7/14	52° 49.66'	130° 35.02'	63	8.0	501	33	203	23	0	0	21
2134	7/14	52° 49.80'	130° 52.05'	27	8.0	349	14	15	3	0	0	0
2135	7/13	52° 59.96'	130° 18.01'	113	8.0	421	15	0	0	23	0	66
2136	7/13	52° 59.94'	130° 35.00'	49	8.0	276	19	218	30	0	1	0
2137	7/13	53° 09.86'	130° 18.00'	89	8.0	671	24	79	9	0	2	22
2138	8/2	53° 09.96'	130° 35.00'	103	8.0	0	0	0	0	14	0	17
2139	8/1	53° 09.97'	130° 52.00'	56	8.0	384	17	55	8	0	3	0
2140	8/2	53° 20.00'	130° 18.00'	58	8.0	1,135	51	229	27	0	1	5
2141	8/2	53° 19.95'	130° 35.00'	48	8.0	580	41	518	60	0	0	22
2142	8/1	53° 19.92'	130° 52.00'	76	8.0	356	16	19	2	3	2	9
2143	7/22	53° 19.91'	132° 49.00'	78	8.0	1,613	68	538	65	0	0	29
2144	7/22	53° 19.95'	133° 06.00'	140	8.0	340	12	10	1	50	0	49
2145	8/1	53° 29.96'	130° 52.00'	52	8.0	168	11	218	29	0	0	0
2146	7/22	53° 30.05'	133° 06.00'	204	8.0	321	13	53	6	93	0	154
2147	7/31	53° 39.89'	130° 35.00'	18	8.0	314	19	231	34	0	0	0
2148	7/31	53° 39.84'	130° 51.98'	27	8.0	535	29	260	34	0	0	0
2149	7/23	53° 39.95'	133° 07.01'	79	8.0	1,162	54	738	88	0	0	37
2150	7/31	53° 49.89'	130° 52.00'	50	8.0	142	10	173	22	18	2	2
2151	7/23	53° 59.75'	133° 25.00'	42	8.0	3,294	88	75	9	0	0	60
2152	7/30	54° 10.01'	130° 35.00'	56	8.0	286	15	97	11	36	0	2
2153	7/27	54° 10.04'	132° 00.00'	36	8.0	84	7	881	111	0	0	0
2154	7/26	54° 09.95'	132° 17.00'	48	8.0	243	17	658	84	0	0	0
2155	7/26	54° 09.97'	132° 34.00'	44	8.0	249	17	512	72	0	1	0
2156	7/24	54° 10.04'	133° 09.00'	39	8.0	927	36	201	24	0	0	19
2157	7/25	54° 10.00'	133° 26.00'	213	8.0	250	6	24	3	77	0	56
2158	7/30	54° 20.36'	130° 35.00'	54	8.0	203	10	149	20	26	1	14
2159	8/4	54° 19.83'	131° 09.00'	35	7.9	594	43	658	81	0	2	0
2160	8/3	54° 20.05'	131° 26.00'	94	8.0	248	15	157	19	50	3	19
2161	8/3	54° 19.95'	131° 43.00'	104	8.0	495	21	122	14	27	0	22
2162	7/27	54° 19.95'	132° 01.00'	133	8.0	350	11	11	2	106	1	15
2163	7/27	54° 20.03'	132° 18.00'	121	8.0	1,079	29	85	10	64	5	19
2164	7/26	54° 19.93'	132° 35.00'	143	8.0	293	11	66	7	131	1	49
2165	7/24	54° 20.09'	132° 52.00'	210	8.0	385	10	29	3	123	0	33
2166	7/24	54° 19.99'	133° 09.00'	249	8.0	604	14	0	0	131	0	40
2167	7/25	54° 19.98'	133° 26.00'	121	8.0	1,263	34	86	11	10	3	208
2168	7/25	54° 19.97'	133° 43.00'	132	8.0	1,902	68	345	40	10	3	3
2169	7/30	54° 29.73'	130° 35.00'	62	8.0	86	4	26	3	88	5	1

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
2170	8/4	54° 29.93'	131° 09.00'	76	8.0	973	66	348	40	22	0	0
2171	8/4	54° 30.00'	131° 26.00'	62	8.0	905	36	150	18	16	2	44
2172	8/3	54° 29.92'	131° 44.00'	184	8.0	270	9	17	2	95	0	4
3001	8/18	54° 29.54'	132° 01.26'	148	8.1	1,049	33	15	2	188	0	73
3002	8/19	54° 29.95'	132° 18.06'	193	8.1	937	25	76	9	210	8	170
3003	8/19	54° 29.97'	132° 35.05'	198	8.1	324	11	41	5	269	0	16
3005	8/23	54° 30.24'	133° 09.48'	90	8.1	2,285	59	232	27	0	24	267
3006	8/27	54° 30.29'	133° 26.70'	166	8.0	2,206	40	27	3	56	0	8
3007	8/27	54° 29.70'	133° 43.79'	137	8.1	6,146	141	111	12	57	8	0
3008	8/17	54° 40.00'	130° 49.95'	157	8.1	195	9	0	0	154	8	8
3009	8/17	54° 40.20'	131° 08.09'	121	8.1	99	5	5	1	186	0	8
3010	8/17	54° 40.64'	131° 24.87'	100	8.1	3,707	110	97	11	105	0	48
3011	8/18	54° 39.59'	131° 41.52'	226	6.9	325	11	0	0	146	0	9
3012	8/18	54° 39.88'	131° 59.22'	97	8.0	1,130	51	308	36	16	32	56
3013	8/19	54° 40.03'	132° 17.27'	60	8.0	904	39	423	56	0	0	40
3014	8/20	54° 39.84'	132° 34.54'	82	8.1	1,751	52	126	15	0	0	48
3015	8/23	54° 39.95'	132° 50.98'	72	8.0	2,136	65	201	25	0	32	64
3016	8/23	54° 40.38'	133° 08.80'	118	8.0	1,569	41	151	18	0	48	128
3017	8/24	54° 40.83'	133° 26.13'	150	8.0	2,634	53	85	11	56	24	136
3018	8/27	54° 39.81'	133° 43.48'	131	8.0	2,645	59	102	12	56	8	0
3019	8/26	54° 40.14'	133° 59.62'	121	8.0	5,523	129	98	11	24	8	24
3020	8/14	54° 50.76'	131° 07.35'	115	8.1	531	22	91	10	105	0	24
3021	8/13	54° 49.97'	131° 41.74'	253	8.1	155	8	19	2	154	0	32
3022	8/20	54° 49.47'	132° 33.84'	168	8.1	1,217	28	11	1	267	0	8
3023	8/24	54° 49.98'	133° 08.96'	102	8.0	1,511	43	137	17	8	16	192
3024	8/24	54° 49.74'	133° 26.29'	71	8.1	2,412	94	527	66	0	16	0
3025	8/26	54° 49.89'	133° 43.27'	77	8.0	7,101	286	766	90	0	0	32
3026	8/26	54° 50.05'	134° 00.05'	104	8.0	856	28	36	4	24	16	0
3027	8/14	54° 59.75'	131° 06.16'	130	8.0	484	22	112	13	136	0	0
3028	8/13	54° 59.85'	131° 41.18'	120	8.1	297	11	19	2	250	0	8
3029	8/25	54° 59.93'	133° 26.16'	52	8.1	3,152	109	336	47	0	0	162
3030	8/25	55° 00.08'	133° 42.17'	55	8.1	1,887	89	2,034	264	0	0	0
3031	8/14	55° 09.24'	131° 06.96'	78	8.1	862	50	313	38	65	8	32
3032	8/13	55° 10.14'	131° 41.18'	75	8.0	707	25	115	14	8	0	16
3033	8/12	55° 09.84'	131° 55.97'	151	8.1	823	28	70	9	81	0	32
3034	8/25	55° 09.72'	133° 26.23'	34	8.1	2,797	76	12	2	0	0	113
3035	8/12	55° 19.62'	131° 58.44'	226	8.1	67	2	0	0	57	0	16
3036	8/12	55° 28.93'	131° 57.80'	148	8.1	182	10	90	11	40	16	48
3037	8/11	55° 40.45'	132° 14.33'	151	8.0	688	22	24	3	112	0	48
3038	8/11	55° 45.19'	132° 27.02'	155	8.1	690	22	41	5	113	0	137
3039	8/11	55° 50.22'	132° 15.04'	136	8.1	508	20	88	11	65	0	0
3040	8/10	55° 59.80'	132° 31.95'	114	8.1	1,059	33	94	11	81	8	32
3041	8/10	56° 01.50'	132° 46.38'	170	8.1	384	19	71	8	186	0	8
3042	8/10	56° 11.34'	132° 49.36'	63	8.0	1,169	39	83	10	0	16	16
3043	7/2	55° 00.00'	134° 00.70'	81	8.0	1,734	52	312	38	0	0	150
3044	7/2	55° 00.00'	134° 17.81'	115	8.0	1,673	60	186	22	8	0	0
3045	7/3	55° 10.00'	133° 43.30'	86	8.0	1,021	61	500	63	24	0	0
3046	7/2	55° 10.00'	134° 00.50'	88	8.0	2,289	95	281	33	0	16	0
3047	7/3	55° 20.02'	133° 47.05'	48	8.0	1,018	63	1,077	145	0	0	0
3048	7/3	55° 20.00'	134° 01.42'	64	8.0	1,532	73	1,095	146	0	8	0

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## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
3049	7/5	55° 20.00'	134° 19.05'	101	8.0	2,831	96	182	24	8	0	63
3050	7/5	55° 20.00'	134° 36.05'	110	8.0	4,272	160	299	35	8	0	72
3051	7/4	55° 30.00'	134° 01.74'	49	8.0	1,259	58	883	112	0	0	24
3052	7/4	55° 30.00'	134° 19.17'	91	8.0	2,717	125	286	33	0	8	0
3053	7/1	55° 30.00'	134° 36.59'	109	8.0	4,428	175	366	46	63	0	0
3054	7/1	55° 30.00'	134° 53.46'	157	8.0	1,241	43	91	10	88	0	0
3055	7/22	55° 40.00'	134° 00.90'	102	8.0	3,189	124	237	29	0	16	8
3056	7/4	55° 40.00'	134° 19.33'	113	8.0	529	23	80	10	16	0	0
3057	7/1	55° 40.01'	134° 37.37'	110	8.0	2,173	68	168	20	24	8	0
3058	6/30	55° 40.00'	134° 55.43'	107	8.0	4,834	141	160	19	24	16	144
3059	7/21	55° 50.00'	133° 26.25'	37	8.0	229	7	0	0	0	0	0
3060	7/21	55° 50.00'	133° 43.82'	62	8.0	939	27	26	3	0	0	72
3061	7/22	55° 49.98'	134° 01.98'	144	8.0	1,641	50	82	10	104	8	32
3062	6/30	55° 50.00'	134° 38.56'	87	8.0	1,261	35	182	25	0	0	0
3063	6/30	55° 50.00'	134° 55.96'	101	8.0	2,748	81	335	41	16	0	0
3064	7/31	55° 50.00'	135° 12.38'	116	8.0	3,949	113	251	30	16	0	8
3065	7/21	55° 54.97'	133° 35.00'	38	8.0	1,444	61	96	12	0	8	88
3066	7/22	56° 00.00'	134° 01.97'	62	8.0	1,544	74	567	68	0	8	0
3068	8/2	56° 00.00'	134° 38.03'	206	8.0	2,092	47	17	2	256	0	32
3069	7/31	56° 00.00'	134° 55.40'	193	8.0	849	21	7	1	111	0	95
3070	7/31	56° 00.00'	135° 12.97'	198	8.0	2,413	53	10	1	120	0	8
3071	7/20	56° 09.90'	133° 44.00'	170	8.0	1,256	53	228	26	79	0	24
3072	8/1	56° 09.99'	134° 20.00'	72	8.0	4,474	180	766	93	0	8	8
3073	8/2	56° 10.05'	134° 38.00'	138	8.0	2,179	73	136	17	24	8	40
3074	7/30	56° 10.00'	134° 56.09'	99	8.0	6,989	234	511	60	40	0	0
3075	7/30	56° 10.00'	135° 14.13'	151	8.0	3,063	82	45	5	56	0	0
3076	7/20	56° 19.88'	133° 44.05'	97	8.0	1,129	33	72	9	48	32	8
3077	8/1	56° 19.92'	134° 20.00'	91	8.0	1,536	42	108	13	72	24	48
3078	7/30	56° 20.07'	134° 56.00'	58	8.0	2,811	69	117	16	0	0	72
3079	7/29	56° 20.00'	135° 14.14'	85	8.0	2,580	80	190	25	8	0	48
3080	7/29	56° 20.00'	135° 32.16'	109	8.0	3,224	106	132	16	76	8	0
3081	7/20	56° 29.30'	133° 44.01'	55	8.0	633	21	58	7	0	0	16
3082	8/1	56° 29.98'	134° 20.00'	57	8.0	1,645	68	360	46	0	0	16
3083	7/29	56° 30.00'	135° 14.70'	59	8.0	1,364	55	402	56	0	0	16
3084	7/28	56° 30.01'	135° 32.87'	83	8.0	1,569	48	63	8	0	0	48
3085	7/28	56° 40.01'	135° 15.00'	22	8.0	987	25	68	8	0	0	32
3086	7/28	56° 40.00'	135° 33.60'	72	8.0	2,100	85	202	25	0	0	112
3087	7/23	56° 40.00'	135° 52.11'	130	8.0	1,763	71	90	10	32	0	32
3088	5/26	56° 50.00'	132° 50.38'	109	8.0	429	19	140	17	0	0	8
3089	7/23	56° 49.98'	135° 51.94'	101	8.0	2,283	104	295	33	24	8	16
3090	5/26	56° 57.00'	132° 57.79'	70	8.0	954	49	702	96	0	8	0
3091	5/28	57° 00.00'	134° 20.94'	184	8.0	2,057	97	402	51	162	8	16
3092	7/23	56° 59.95'	135° 59.98'	57	8.0	1,345	63	386	44	0	0	119
3093	5/26	57° 03.00'	133° 04.98'	78	8.0	802	35	284	41	8	8	0
3094	5/28	57° 10.00'	133° 45.13'	176	8.0	1,941	86	254	32	72	16	0
3095	5/28	57° 10.00'	134° 02.94'	153	8.0	2,365	105	320	40	80	16	8
3096	5/27	57° 09.93'	134° 39.81'	168	8.0	1,286	34	96	13	8	16	56
3097	7/25	57° 10.50'	135° 54.27'	36	8.0	1,014	43	303	37	0	0	64
3098	7/25	57° 10.00'	136° 11.98'	117	8.0	2,082	87	60	7	8	0	8
3099	5/29	57° 20.00'	133° 25.91'	71	8.0	360	10	59	8	0	0	0

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# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
3100	5/29	57° 20.00'	133° 45.11'	184	8.0	3,241	142	592	72	105	0	0
3101	5/27	57° 20.15'	134° 36.09'	153	8.0	1,136	45	137	16	0	32	48
3102	7/25	57° 19.99'	135° 55.00'	52	8.0	1,038	26	71	8	8	8	32
3103	7/24	57° 20.00'	136° 12.95'	94	8.0	2,691	92	127	15	8	0	88
3104	5/29	57° 30.00'	133° 45.05'	126	8.0	2,341	100	196	25	0	0	32
3105	6/27	57° 31.02'	134° 38.00'	133	8.0	815	25	249	31	88	32	80
3106	7/24	57° 30.00'	136° 13.91'	53	8.0	988	48	949	121	0	0	24
3107	5/30	57° 40.00'	133° 44.94'	178	8.0	2,482	142	524	64	16	0	0
3108	7/24	57° 40.00'	136° 33.02'	87	8.0	2,962	124	269	31	0	0	24
3109	5/30	57° 49.95'	133° 53.95'	178	8.0	754	34	95	12	8	0	16
3110	6/27	57° 50.00'	136° 34.59'	52	8.0	1,336	56	351	43	0	0	103
3111	6/27	57° 50.00'	136° 53.03'	196	8.0	555	19	0	0	168	0	56
3112	5/30	58° 00.02'	134° 03.99'	120	8.0	241	9	60	9	15	0	31
3113	6/24	58° 00.00'	136° 39.68'	56	8.0	784	35	179	21	0	0	32
3114	6/3	58° 10.00'	135° 02.21'	103	8.0	1,638	59	321	44	8	63	0
3115	6/3	58° 10.00'	135° 19.96'	92	8.0	578	31	138	17	0	0	0
3116	6/24	58° 10.00'	136° 36.13'	114	8.0	3,048	78	28	3	40	55	24
3117	5/31	58° 12.01'	134° 24.18'	38	8.0	61	2	16	2	0	32	0
3118	5/31	58° 14.12'	134° 41.04'	41	8.0	0	0	0	0	0	0	0
3119	6/3	58° 15.16'	135° 39.25'	53	8.0	2,151	95	705	100	0	16	0
3120	6/24	58° 14.98'	136° 25.52'	110	8.0	3,890	87	149	18	16	56	0
3121	5/31	58° 20.01'	134° 43.02'	40	8.0	154	3	9	1	0	8	0
3123	6/1	58° 29.81'	135° 01.85'	152	8.0	1,080	58	296	37	32	8	0
3124	6/1	58° 40.00'	135° 02.94'	157	8.0	561	31	70	10	40	0	0
4001	6/27	57° 50.00'	137° 12.98'	164	8.0	1,284	52	48	5	87	0	24
4002	6/25	58° 00.00'	136° 54.52'	225	8.0	0	0	9	1	214	0	8
4003	6/25	58° 00.00'	137° 12.09'	108	8.0	1,285	53	77	8	24	0	8
4004	6/8	58° 00.00'	137° 30.92'	88	8.0	1,183	41	122	15	24	0	40
4005	6/8	58° 00.00'	137° 49.84'	99	8.0	1,507	56	291	40	24	0	16
4006	6/25	58° 10.00'	136° 54.83'	105	8.0	62	1	0	0	0	0	0
4007	6/26	58° 10.00'	137° 11.53'	66	8.0	587	16	49	7	0	0	0
4008	6/26	58° 10.00'	137° 30.14'	77	8.0	191	4	18	2	0	0	0
4009	6/8	58° 10.00'	137° 49.09'	84	8.0	711	31	19	2	0	0	0
4010	6/18	58° 10.00'	138° 08.19'	80	8.0	143	4	8	1	0	0	0
4011	6/7	58° 10.00'	138° 26.89'	88	8.0	2,264	84	359	46	0	0	32
4012	6/7	58° 10.00'	138° 45.30'	99	8.0	3,672	141	635	78	0	0	32
4013	6/26	58° 20.00'	137° 10.60'	92	8.0	0	0	11	1	0	0	0
4014	6/12	58° 20.00'	137° 29.09'	100	8.0	12	1	0	0	0	0	0
4015	6/18	58° 20.00'	137° 48.01'	95	8.0	174	4	0	0	0	0	0
4016	6/18	58° 20.00'	138° 07.26'	71	8.0	83	3	9	1	0	0	0
4017	6/22	58° 20.00'	138° 25.61'	71	8.0	291	10	41	5	0	0	0
4018	6/7	58° 20.00'	138° 46.09'	63	8.0	1,954	74	776	103	0	0	16
4019	6/6	58° 20.00'	139° 05.01'	61	8.0	3,479	156	938	117	0	0	8
4020	6/6	58° 20.00'	139° 23.77'	145	8.0	2,927	104	48	5	80	0	0
4021	6/12	58° 30.01'	137° 28.16'	40	8.0	13	1	31	4	0	0	0
4022	6/12	58° 30.00'	137° 46.78'	84	8.0	0	0	0	0	0	0	0
4023	6/22	58° 30.00'	138° 06.36'	74	8.0	591	13	18	2	0	0	0
4024	6/22	58° 30.00'	138° 25.52'	63	8.0	847	35	186	22	0	0	0
4025	6/23	58° 30.00'	138° 45.91'	51	8.0	4,193	105	263	36	0	0	32
4026	6/23	58° 30.00'	139° 03.69'	55	8.0	439	17	108	13	0	0	24

<sup>1</sup> Standard skate =1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.



# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4027	6/6	58° 30.00'	139° 23.01'	91	8.0	1,924	123	1,060	127	0	0	15
4028	6/17	58° 29.99'	139° 41.76'	134	8.0	1,457	52	88	11	72	0	0
4029	6/13	58° 40.00'	138° 06.13'	49	8.0	824	12	0	0	0	0	8
4030	6/13	58° 40.00'	138° 25.23'	71	8.0	67	4	8	1	0	0	0
4031	6/23	58° 40.00'	138° 43.80'	55	8.0	4,132	70	105	15	0	0	8
4032	6/14	58° 40.00'	139° 03.89'	79	8.0	1,079	69	266	30	0	0	0
4033	6/17	58° 40.00'	139° 22.95'	136	8.0	1,036	30	25	3	152	0	0
4034	6/17	58° 40.00'	139° 42.02'	101	8.0	690	22	89	10	0	0	0
4035	6/16	58° 40.00'	140° 01.12'	102	8.0	3,767	107	677	90	24	0	0
4036	6/13	58° 50.01'	138° 05.11'	28	8.0	0	0	8	1	0	0	0
4037	6/4	58° 49.99'	138° 24.18'	40	8.0	536	17	0	0	0	0	16
4038	6/14	58° 50.00'	138° 43.86'	64	8.0	119	8	123	16	0	0	0
4039	6/14	58° 50.00'	139° 02.85'	104	8.0	73	3	0	0	0	0	0
4040	6/15	58° 50.00'	139° 22.30'	72	8.0	590	9	0	0	0	0	0
4041	6/16	58° 50.00'	139° 42.36'	88	8.0	225	6	14	2	0	0	0
4042	6/16	58° 50.00'	140° 01.62'	94	8.0	1,686	59	241	29	16	0	0
4043	6/4	59° 00.00'	138° 24.46'	34	8.0	303	7	82	11	0	8	0
4044	6/4	59° 00.00'	138° 43.31'	85	8.0	57	1	0	0	0	0	0
4045	6/5	59° 00.01'	139° 02.15'	56	8.0	20	1	11	1	0	0	0
4046	6/14	59° 00.00'	139° 22.11'	59	8.0	310	6	0	0	0	0	0
4047	6/15	59° 00.01'	139° 41.10'	66	8.0	1,205	36	118	13	0	0	0
4048	6/5	59° 10.01'	139° 02.50'	30	8.0	0	0	0	0	0	0	0
4049	6/5	59° 10.01'	139° 20.94'	53	8.0	0	0	0	0	0	0	0
4051	7/6	58° 50.00'	140° 19.87'	100	8.0	1,320	40	200	26	8	0	8
4052	7/6	58° 50.00'	140° 39.72'	106	7.8	2,004	48	128	16	8	0	0
4053	7/7	59° 00.00'	140° 01.26'	73	7.9	2,498	66	305	37	0	0	8
4054	7/7	59° 00.00'	140° 20.13'	85	7.9	2,066	49	88	12	0	0	23
4055	7/6	59° 00.00'	140° 38.94'	97	7.9	608	28	260	32	0	0	8
4056	7/5	59° 00.00'	140° 59.04'	105	8.1	3,162	91	550	72	24	0	0
4057	7/9	59° 10.00'	139° 40.94'	70	8.0	589	21	181	21	0	0	0
4058	7/7	59° 10.00'	140° 00.05'	63	8.0	2,731	72	672	98	0	0	0
4059	7/8	59° 10.00'	140° 19.79'	70	7.9	1,390	35	303	44	0	0	0
4060	7/8	59° 10.00'	140° 39.10'	81	8.0	463	18	363	46	0	0	0
4061	7/5	59° 10.00'	140° 59.02'	99	8.0	985	32	193	23	0	0	0
4062	7/5	59° 10.00'	141° 17.93'	186	8.0	424	12	9	1	87	0	8
4063	6/14	59° 10.00'	141° 38.01'	124	8.0	6,007	180	149	18	143	0	16
4064	7/9	59° 20.00'	139° 40.08'	85	7.9	22	1	0	0	8	0	0
4065	7/9	59° 20.00'	140° 00.12'	87	8.0	79	3	0	0	0	0	0
4066	7/8	59° 20.00'	140° 20.28'	71	7.8	1,796	47	138	19	0	0	0
4067	7/4	59° 20.00'	140° 38.88'	78	8.0	492	15	77	9	0	0	0
4068	7/4	59° 20.00'	140° 58.87'	86	7.9	958	31	154	20	0	0	0
4069	6/13	59° 20.00'	141° 17.95'	180	8.0	3,418	89	35	4	196	0	24
4070	6/14	59° 20.00'	141° 38.01'	102	7.9	2,025	52	127	16	0	0	0
4071	6/14	59° 20.00'	141° 57.84'	117	7.9	6,580	204	317	40	8	8	0
4072	5/26	59° 30.05'	140° 00.92'	63	7.9	0	0	0	0	0	0	0
4073	5/26	59° 29.99'	140° 19.02'	125	7.9	2,204	58	10	1	8	0	24
4074	7/4	59° 30.00'	140° 38.85'	154	8.0	934	22	17	2	124	0	0
4075	5/27	59° 30.00'	140° 59.51'	161	8.1	870	19	10	1	253	0	16
4076	6/13	59° 30.00'	141° 19.20'	88	8.0	268	12	10	1	0	0	0
4077	6/13	59° 30.00'	141° 38.34'	88	8.1	35	2	9	1	0	0	0

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## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4078	6/15	59° 29.99'	141° 58.25'	97	7.9	961	26	15	2	0	0	0
4079	5/26	59° 39.97'	139° 59.81'	75	8.0	1,655	57	87	10	0	103	0
4080	5/27	59° 40.00'	140° 59.11'	28	8.1	114	6	76	10	0	0	0
4081	5/27	59° 40.00'	141° 18.98'	35	8.2	247	9	191	30	0	0	0
4082	6/15	59° 40.00'	141° 38.03'	50	7.8	244	10	36	4	0	0	0
4083	6/15	59° 40.00'	141° 57.89'	79	7.9	481	13	21	2	0	0	0
4084	6/16	59° 40.00'	142° 17.98'	118	7.9	1,184	38	39	6	0	0	0
4085	6/17	59° 40.00'	142° 38.05'	212	7.8	587	12	6	1	238	0	38
4086	6/17	59° 40.00'	142° 57.95'	109	7.9	3,066	127	367	48	39	0	0
4087	6/18	59° 40.00'	143° 18.06'	154	8.0	1,104	21	33	4	119	0	16
4088	6/18	59° 40.00'	143° 36.96'	82	8.0	3,348	73	115	17	0	0	20
4089	5/29	59° 40.00'	143° 56.55'	69	8.1	3,133	89	254	35	9	0	9
4090	6/19	59° 39.99'	144° 17.03'	88	8.0	665	16	19	2	0	0	0
4091	6/19	59° 40.00'	144° 36.98'	79	7.9	221	7	16	2	0	0	0
4092	6/16	59° 50.01'	141° 58.98'	38	8.1	143	3	23	3	0	0	0
4093	6/16	59° 50.00'	142° 18.02'	48	8.1	5,998	135	126	16	0	0	0
4094	6/17	59° 50.00'	142° 38.09'	89	8.0	1,333	30	51	6	8	0	0
4095	5/28	59° 50.00'	142° 58.36'	92	8.0	498	16	8	1	0	0	0
4096	6/18	59° 50.00'	143° 18.02'	118	8.0	659	20	52	6	20	0	0
4097	5/29	59° 50.00'	143° 38.35'	152	8.1	999	23	0	0	57	0	8
4098	5/29	59° 50.00'	143° 58.18'	51	8.2	779	27	240	28	0	0	0
4099	6/19	59° 50.00'	144° 17.90'	35	7.9	189	9	151	20	0	24	0
4100	5/28	60° 00.00'	142° 39.10'	42	8.0	1,180	20	34	5	0	0	0
4101	5/28	60° 00.00'	142° 59.06'	61	8.0	216	5	0	0	0	0	0
4102	6/27	59° 20.00'	146° 16.04'	149	8.0	794	24	46	7	204	0	94
4103	6/27	59° 20.00'	146° 35.25'	79	7.9	784	31	121	16	8	0	0
4104	6/28	59° 20.00'	146° 55.15'	102	8.0	1,229	55	119	14	0	0	0
4105	6/28	59° 20.00'	147° 14.93'	100	7.8	1,760	85	96	11	8	0	0
4106	6/7	59° 30.00'	145° 16.27'	72	8.0	2,565	82	247	33	0	0	95
4107	6/7	59° 30.00'	145° 56.05'	88	8.0	1,614	77	75	9	0	0	0
4108	6/27	59° 30.00'	146° 35.14'	50	7.9	210	6	14	2	0	0	0
4109	6/28	59° 30.00'	146° 55.15'	102	7.9	619	20	49	5	31	0	0
4110	6/29	59° 30.00'	147° 13.88'	117	8.0	814	25	52	6	8	0	8
4111	6/29	59° 30.00'	147° 34.02'	61	7.9	147	7	43	5	0	0	0
4112	6/7	59° 40.00'	145° 34.02'	57	8.0	316	6	18	2	0	0	0
4113	6/8	59° 40.00'	145° 53.95'	44	8.1	1,745	59	318	40	0	0	0
4114	6/8	59° 40.00'	146° 13.81'	45	8.0	367	22	256	35	0	0	0
4115	6/9	59° 40.00'	146° 33.02'	48	8.0	1,818	79	486	61	0	10	19
4116	6/3	59° 40.00'	146° 53.28'	60	8.0	29	2	9	1	0	0	0
4117	6/3	59° 40.00'	147° 13.05'	96	8.0	825	40	44	5	0	0	0
4118	6/29	59° 40.00'	147° 33.09'	63	8.0	256	11	11	1	0	0	0
4119	5/30	59° 50.00'	144° 58.71'	107	8.0	790	28	39	4	8	0	0
4120	6/8	59° 50.00'	145° 53.13'	57	8.2	102	4	9	1	0	0	0
4121	6/9	59° 50.00'	146° 12.87'	34	7.9	350	11	11	1	0	0	0
4122	6/9	59° 50.00'	146° 32.97'	37	7.9	1,017	38	160	19	0	0	0
4124	5/31	59° 50.00'	147° 13.43'	75	8.1	483	15	7	1	0	0	0
4125	5/30	60° 00.00'	144° 38.97'	124	8.0	86	4	6	1	40	0	0
4126	5/30	60° 00.00'	144° 59.20'	70	8.0	34	2	0	0	0	0	0
4127	6/26	60° 00.00'	145° 19.11'	65	8.0	180	7	0	0	0	0	0
4128	6/25	60° 00.00'	146° 12.20'	33	8.0	2,066	61	86	11	0	0	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

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Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4129	6/25	60° 00.00'	146° 32.33'	36	8.0	34	2	29	4	0	0	0
4130	5/31	60° 00.00'	146° 51.95'	77	8.0	0	0	0	0	0	0	0
4131	5/31	60° 00.00'	147° 11.84'	100	8.0	426	11	5	1	0	0	0
4132	6/26	60° 10.00'	145° 31.41'	47	8.0	234	7	21	3	0	0	0
4133	6/26	60° 10.00'	145° 51.13'	58	8.0	361	16	12	2	0	0	0
4134	6/25	60° 10.00'	146° 11.10'	43	8.0	785	34	143	18	0	0	0
4135	6/4	60° 10.00'	147° 30.82'	41	8.0	698	28	104	15	0	8	0
4137	6/6	60° 20.00'	147° 31.47'	71	8.1	1,232	47	175	20	0	171	8
4138	6/24	60° 30.00'	146° 29.08'	34	8.0	680	37	288	39	0	0	0
4140	6/6	60° 30.00'	147° 09.89'	114	8.0	664	28	52	7	0	41	0
4141	6/6	60° 30.00'	147° 29.89'	111	8.0	446	16	43	5	0	24	24
4142	6/5	60° 29.00'	147° 50.45'	208	7.9	1,423	48	89	10	71	47	16
4144	6/23	60° 40.00'	147° 09.10'	131	8.0	526	20	39	4	32	32	0
4145	6/23	60° 50.00'	147° 08.17'	176	7.9	678	31	71	8	63	86	0
4146	6/5	60° 50.56'	148° 10.02'	175	8.0	1,029	38	59	7	8	0	24
4147	6/11	58° 39.94'	148° 33.97'	128	8.1	1,706	62	71	9	436	0	8
4148	6/11	58° 40.09'	148° 53.55'	91	8.1	2,767	121	64	8	105	65	0
4149	6/10	58° 50.14'	148° 15.48'	150	8.1	4,919	236	201	23	267	0	0
4150	6/10	58° 50.16'	148° 33.51'	159	8.1	4,119	114	28	4	315	0	0
4151	6/11	58° 49.69'	148° 53.05'	136	8.0	1,735	51	0	0	404	0	0
4152	6/12	58° 49.87'	149° 11.79'	110	8.0	1,204	46	30	3	448	0	0
4153	6/2	59° 00.59'	147° 55.67'	182	8.1	5,874	256	1,020	140	0	24	0
4154	6/10	58° 59.98'	148° 14.54'	118	8.1	3,630	126	106	13	250	48	0
4155	6/9	58° 59.83'	148° 34.08'	131	8.1	1,556	51	8	1	396	0	0
4156	6/8	59° 00.12'	148° 53.34'	114	8.0	2,192	88	19	2	256	0	0
4157	6/12	59° 00.00'	149° 11.90'	115	8.0	948	34	11	1	285	0	0
4158	6/12	58° 59.95'	149° 31.05'	126	8.1	468	21	0	0	331	0	0
4159	6/2	59° 10.07'	147° 35.11'	141	8.1	4,187	160	272	34	127	142	7
4160	6/2	59° 09.64'	147° 53.93'	110	8.1	1,427	56	90	13	65	0	0
4161	6/9	59° 09.66'	148° 15.00'	67	8.1	3,791	169	1,206	155	0	0	97
4162	6/9	59° 10.07'	148° 33.45'	84	8.1	1,077	49	160	20	73	8	0
4163	6/8	59° 09.50'	148° 53.59'	96	8.0	1,328	52	49	6	48	0	0
4164	6/8	59° 09.48'	149° 11.91'	84	8.1	1,305	58	142	16	8	57	0
4165	6/17	59° 09.86'	149° 32.22'	87	8.1	1,110	51	57	7	16	8	0
4166	6/17	59° 10.21'	149° 50.11'	72	8.0	251	13	22	3	0	0	0
4167	6/1	59° 20.48'	147° 35.27'	65	8.1	1,484	41	104	13	0	0	16
4168	6/1	59° 19.88'	147° 54.36'	100	8.0	630	22	23	3	8	0	0
4169	5/31	59° 19.99'	148° 13.41'	86	8.0	551	22	44	5	0	0	0
4170	5/31	59° 19.94'	148° 33.20'	49	8.1	2,181	65	593	71	0	0	48
4171	6/7	59° 20.29'	148° 52.62'	93	8.0	751	34	41	5	0	0	0
4172	6/7	59° 20.16'	149° 11.09'	104	8.2	1,739	75	41	4	41	0	0
4173	6/15	59° 20.09'	149° 32.25'	64	8.1	2,637	107	214	32	0	65	0
4174	6/17	59° 19.70'	149° 51.10'	103	8.0	543	24	0	0	8	0	0
4175	6/16	59° 19.90'	150° 10.71'	85	8.1	683	27	0	0	0	8	0
4176	6/1	59° 29.85'	147° 53.39'	62	8.1	927	21	87	11	0	0	0
4177	5/30	59° 30.21'	148° 13.03'	112	8.2	1,007	34	93	11	16	33	0
4178	5/31	59° 29.77'	148° 33.38'	53	8.1	159	4	89	14	0	0	0
4179	6/7	59° 30.01'	148° 51.77'	90	8.0	73	3	17	2	8	0	0
4180	6/15	59° 29.97'	149° 12.09'	126	8.1	1,242	41	37	5	73	81	0
4181	6/15	59° 29.73'	149° 32.51'	55	8.1	752	42	504	69	0	0	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4182	6/16	59° 30.19'	149° 52.86'	109	8.0	1,205	42	21	3	152	192	8
4183	6/16	59° 30.19'	150° 10.53'	64	8.1	1,444	69	230	29	0	0	0
4184	5/30	59° 39.96'	147° 52.98'	37	8.0	3,212	76	99	12	0	0	56
4185	5/30	59° 39.60'	148° 13.03'	76	8.1	92	4	25	3	24	0	0
4186	5/29	59° 39.78'	148° 32.02'	114	8.0	475	15	10	2	0	8	0
4187	5/28	59° 39.96'	148° 51.85'	96	8.0	303	12	0	0	8	0	0
4188	6/6	59° 40.31'	149° 12.45'	114	8.0	1,113	28	15	2	64	16	0
4189	6/6	59° 39.73'	149° 32.24'	149	8.0	359	15	15	2	152	40	0
4190	5/29	59° 50.04'	148° 11.95'	51	8.1	718	38	618	90	0	0	0
4191	5/29	59° 50.08'	148° 32.22'	72	8.2	370	9	37	5	16	33	0
4192	5/28	59° 50.03'	148° 51.98'	93	8.2	687	21	38	6	16	8	0
4193	5/28	59° 49.99'	149° 11.96'	76	8.1	801	35	163	21	0	0	0
4194	6/6	59° 49.73'	149° 31.82'	89	8.1	163	6	6	1	40	8	0
4195	7/3	58° 00.06'	149° 13.74'	78	8.0	5,603	274	244	30	0	8	0
4196	7/3	58° 09.70'	148° 53.98'	74	8.0	5,028	237	604	75	0	0	8
4197	7/3	58° 09.80'	149° 12.38'	62	8.1	8,887	359	509	59	0	0	32
4198	7/6	58° 10.12'	149° 32.32'	66	8.1	8,264	346	626	72	0	0	65
4199	7/6	58° 09.86'	149° 50.69'	79	8.1	6,081	318	657	74	0	0	0
4200	7/4	58° 19.79'	148° 35.95'	97	8.1	2,134	112	486	64	0	0	0
4201	7/4	58° 19.97'	148° 53.82'	69	8.2	3,002	146	1,475	211	0	0	0
4202	7/5	58° 20.27'	149° 12.89'	85	8.1	6,114	280	242	31	32	16	0
4203	7/6	58° 19.41'	149° 32.55'	78	8.1	3,120	171	331	36	8	8	0
4204	7/7	58° 19.72'	149° 50.83'	42	8.0	4,247	324	2,289	258	0	0	0
4205	7/8	58° 20.17'	150° 11.55'	27	8.1	3,798	250	1,993	234	0	0	0
4206	7/8	58° 20.15'	150° 28.52'	29	8.1	126	8	97	14	0	0	0
4207	7/4	58° 29.60'	148° 35.02'	76	8.1	6,444	281	689	86	0	0	0
4208	7/5	58° 29.89'	148° 52.75'	61	8.0	5,776	211	719	91	0	0	0
4209	7/5	58° 30.07'	149° 12.54'	66	8.1	3,933	169	551	76	0	210	0
4210	6/19	58° 29.84'	149° 32.28'	77	8.1	3,497	176	201	24	40	57	0
4211	7/7	58° 29.64'	149° 50.87'	74	8.1	3,456	185	305	35	81	16	8
4212	7/7	58° 29.93'	150° 08.86'	74	8.1	5,596	321	921	103	8	0	0
4213	7/8	58° 29.96'	150° 29.70'	47	8.1	1,979	154	2,160	286	0	0	0
4214	6/29	58° 29.94'	150° 48.10'	54	8.1	1,613	82	211	25	8	8	0
4215	6/19	58° 39.95'	149° 12.68'	76	8.0	1,779	69	234	32	8	32	0
4216	6/19	58° 39.91'	149° 31.35'	74	8.1	2,621	113	140	16	40	234	8
4217	6/20	58° 39.81'	149° 50.96'	81	8.0	2,671	126	81	9	56	24	0
4218	6/20	58° 39.95'	150° 09.75'	68	8.1	3,393	143	204	24	8	57	0
4219	6/29	58° 40.28'	150° 30.02'	111	8.1	198	11	29	3	65	40	0
4220	6/29	58° 39.66'	150° 47.88'	109	8.2	750	35	20	2	98	16	0
4221	7/9	58° 39.78'	151° 08.11'	103	8.0	1,364	63	183	22	232	16	0
4222	6/18	58° 50.00'	149° 32.68'	122	8.1	462	18	28	4	452	8	0
4224	6/20	58° 49.94'	150° 09.84'	89	8.0	2,675	108	65	8	88	96	0
4225	6/28	58° 49.70'	150° 30.32'	95	8.2	1,571	69	74	8	82	16	0
4226	6/28	58° 50.02'	150° 49.19'	96	8.2	1,350	56	88	10	82	57	0
4227	7/9	58° 49.70'	151° 08.47'	71	8.1	4,190	217	1,276	144	16	24	0
4228	7/9	58° 50.17'	151° 30.23'	61	8.1	1,711	89	771	101	0	0	0
4229	6/18	58° 59.89'	149° 50.59'	123	8.0	488	25	40	4	160	0	0
4230	6/27	58° 59.97'	150° 11.38'	101	8.1	461	16	8	1	129	8	0
4231	6/27	59° 00.16'	150° 29.70'	64	8.2	620	35	448	58	0	0	0
4232	6/28	59° 00.06'	150° 50.09'	87	8.0	1,545	57	30	4	72	8	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4233	6/25	58° 59.97'	151° 09.43'	78	8.1	1,228	55	65	7	0	16	8
4234	6/25	59° 00.16'	151° 27.95'	72	8.1	1,271	60	195	22	0	0	0
4235	6/28	59° 09.95'	150° 11.36'	66	8.1	1,472	62	159	25	24	32	0
4236	6/26	59° 09.64'	150° 30.47'	62	8.0	1,188	62	259	31	0	16	0
4237	6/26	59° 09.73'	150° 50.03'	63	8.1	2,239	131	375	43	0	32	16
4238	6/25	59° 09.79'	151° 08.61'	34	8.1	3,493	191	957	115	0	8	8
4239	6/26	59° 20.00'	150° 31.12'	126	5.9	2,197	71	85	10	20	244	20
4240	8/1	57° 19.99'	150° 46.08'	88	8.0	2,556	119	157	16	87	71	0
4241	7/31	57° 30.03'	150° 08.99'	243	8.0	235	8	0	0	48	0	48
4242	7/31	57° 29.93'	150° 28.02'	85	8.0	4,064	209	614	68	8	111	0
4243	8/3	57° 30.03'	150° 46.08'	54	8.0	3,407	176	1,221	144	0	8	0
4244	7/16	57° 39.91'	149° 50.02'	231	8.0	92	4	0	0	168	0	16
4245	7/16	57° 40.02'	150° 08.88'	114	8.0	2,008	118	408	45	119	32	0
4246	7/31	57° 40.04'	150° 27.89'	52	8.0	1,345	94	2,306	267	0	24	0
4247	8/4	57° 39.98'	150° 47.19'	46	8.0	5,485	208	928	106	0	0	0
4248	8/3	57° 40.01'	151° 04.88'	40	7.9	2,661	180	1,795	205	0	0	0
4249	8/6	57° 39.99'	151° 24.23'	35	7.9	1,403	95	1,229	135	0	9	0
4250	7/17	57° 49.95'	149° 32.00'	206	8.0	1,465	65	0	0	184	0	8
4251	7/17	57° 50.02'	149° 49.98'	140	8.0	1,352	64	352	41	88	0	0
4252	7/16	57° 50.02'	150° 09.01'	108	8.0	2,279	165	433	47	48	111	0
4253	8/4	57° 49.36'	150° 28.02'	50	8.0	7,742	273	1,026	116	0	0	8
4254	8/4	57° 50.09'	150° 46.98'	46	8.0	3,116	164	1,723	197	0	0	0
4255	8/5	57° 49.98'	151° 06.09'	38	8.0	3,395	122	830	96	0	55	0
4256	8/5	57° 50.01'	151° 24.19'	30	8.0	1,363	80	1,142	131	0	8	0
4257	7/13	57° 50.12'	151° 42.98'	31	8.0	1,301	89	891	107	0	0	0
4258	6/3	57° 50.00'	152° 02.02'	49	8.0	2,336	105	580	79	0	192	0
4259	7/17	57° 59.98'	149° 32.06'	79	8.0	8,660	427	384	41	0	0	0
4260	7/18	58° 00.02'	149° 50.99'	125	8.0	2,693	125	148	16	214	16	0
4261	7/18	58° 00.09'	150° 08.99'	124	8.0	1,476	82	86	9	71	16	0
4262	7/15	58° 00.00'	150° 27.96'	89	8.0	2,012	137	726	78	55	55	0
4263	7/15	58° 00.00'	150° 46.95'	72	8.0	2,241	102	342	39	71	32	0
4264	7/14	58° 00.00'	151° 06.10'	46	8.0	3,376	136	1,354	163	0	8	0
4265	8/5	58° 00.03'	151° 25.00'	44	8.0	422	28	751	95	8	55	0
4266	6/5	57° 59.97'	151° 43.98'	64	8.0	2,933	151	382	43	0	87	0
4267	6/5	57° 59.99'	152° 03.11'	97	8.0	1,741	61	42	6	0	344	0
4268	6/3	57° 59.97'	152° 21.71'	115	8.0	1,487	74	202	25	8	240	0
4269	7/18	58° 09.95'	150° 10.00'	81	8.0	6,340	379	826	88	0	10	0
4270	7/15	58° 09.95'	150° 29.01'	62	8.0	4,811	299	1,158	126	0	0	0
4271	7/14	58° 09.99'	150° 47.95'	60	8.0	639	42	131	15	0	32	0
4272	7/14	58° 09.98'	151° 06.98'	77	8.0	1,558	56	44	5	87	32	0
4273	6/6	58° 09.57'	151° 25.02'	91	8.1	1,622	64	79	9	0	48	0
4274	6/5	58° 10.00'	151° 44.80'	30	8.0	9,679	275	240	27	0	0	0
4275	6/9	58° 20.15'	150° 48.00'	36	8.0	613	44	517	61	0	8	0
4276	6/9	58° 20.13'	151° 07.02'	68	8.0	1,345	60	50	6	0	0	0
4277	6/6	58° 20.00'	151° 26.08'	39	8.0	2,827	206	1,882	223	0	0	0
4278	6/6	58° 20.06'	151° 44.99'	32	8.0	5,020	159	38	5	0	0	0
4279	6/9	58° 29.99'	151° 07.06'	54	7.9	423	24	79	9	8	0	0
4280	6/7	58° 30.05'	151° 27.00'	93	8.0	1,837	88	60	7	48	40	0
4281	6/7	58° 30.04'	151° 46.02'	101	8.0	878	19	0	0	24	48	0
4282	6/7	58° 40.02'	151° 26.99'	102	7.9	1,645	59	18	2	0	16	0

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# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4283	6/8	58° 40.09'	151° 46.00'	72	8.0	1,729	59	42	5	0	0	0
4284	6/8	58° 40.00'	152° 06.02'	71	8.0	1,128	64	110	12	0	0	0
4285	6/8	58° 49.98'	152° 05.96'	55	8.0	2,463	120	424	48	0	0	0
4286	8/16	56° 20.00'	152° 49.98'	59	8.0	4,759	243	743	85	0	32	0
4287	7/1	56° 20.02'	153° 08.21'	49	8.0	1,874	118	783	95	8	0	0
4288	7/1	56° 20.00'	153° 26.23'	32	8.0	3,982	249	1,341	152	0	0	0
4289	8/15	56° 29.98'	152° 15.07'	124	8.0	2,647	137	362	39	48	0	8
4290	8/15	56° 29.91'	152° 32.99'	147	7.9	1,484	66	57	6	141	0	8
4291	8/14	56° 29.91'	152° 51.02'	28	8.0	5,725	312	817	90	0	0	0
4292	8/11	56° 29.99'	153° 09.10'	40	8.0	2,049	148	1,084	131	0	55	0
4293	8/11	56° 29.95'	153° 27.01'	47	8.0	2,486	156	1,365	161	0	55	0
4294	8/11	56° 29.94'	153° 45.00'	38	8.0	5,769	162	199	24	0	10	0
4295	7/2	56° 39.91'	151° 56.99'	34	8.0	7,728	369	881	102	0	0	0
4296	7/2	56° 39.98'	152° 15.00'	26	8.0	5,464	238	1,642	201	0	0	0
4297	8/15	56° 39.77'	152° 34.00'	75	8.0	2,393	160	1,102	125	8	40	0
4298	8/14	56° 39.85'	152° 52.08'	38	8.0	3,069	195	1,411	163	0	0	0
4299	8/14	56° 39.98'	153° 10.08'	83	8.0	1,071	47	115	14	0	0	0
4300	8/10	56° 39.86'	153° 28.02'	78	8.0	3,383	170	295	34	0	71	0
4301	8/10	56° 39.98'	153° 46.09'	45	7.9	1,985	98	739	97	0	0	0
4302	7/10	56° 49.91'	151° 40.00'	165	8.0	283	13	33	4	222	0	8
4303	7/10	56° 50.01'	151° 57.98'	42	8.0	6,876	261	1,007	116	0	0	0
4304	7/9	56° 50.00'	152° 16.13'	52	8.0	1,837	140	2,188	263	0	0	0
4305	7/9	56° 50.00'	152° 35.15'	75	8.0	3,545	204	544	61	16	16	0
4306	8/13	56° 50.00'	152° 53.01'	35	8.0	1,887	138	1,663	189	0	0	0
4307	8/13	56° 50.00'	153° 11.00'	45	8.0	4,874	283	931	103	0	0	0
4308	8/10	56° 49.91'	153° 29.03'	52	8.0	2,619	129	426	52	0	0	0
4309	7/10	56° 59.98'	151° 40.09'	36	8.0	6,760	319	1,015	116	0	0	0
4310	7/11	56° 59.91'	151° 59.00'	44	8.0	1,881	130	2,335	265	0	0	0
4311	7/9	57° 00.00'	152° 17.09'	40	8.0	3,470	180	1,153	134	0	0	0
4312	7/8	56° 59.92'	152° 35.00'	85	8.0	2,276	119	181	19	144	8	0
4313	7/8	57° 00.00'	152° 54.11'	63	8.0	1,725	87	375	45	16	32	0
4314	8/1	57° 09.84'	151° 03.99'	215	8.0	63	2	0	0	206	0	0
4315	8/2	57° 09.95'	151° 21.99'	71	8.0	5,535	280	634	71	0	32	0
4316	7/11	57° 10.00'	151° 40.84'	40	7.9	3,898	213	834	99	0	0	0
4317	7/11	57° 09.95'	151° 59.00'	38	7.9	2,253	101	385	43	0	0	0
4318	7/7	57° 10.00'	152° 18.09'	43	8.0	1,385	87	445	51	0	8	0
4319	7/8	57° 09.96'	152° 36.00'	53	8.0	1,591	86	682	87	0	136	0
4320	8/1	57° 19.93'	151° 03.98'	50	8.0	3,583	175	1,117	137	0	0	0
4321	8/2	57° 19.98'	151° 22.81'	74	8.0	2,606	137	443	51	24	32	0
4322	8/2	57° 19.93'	151° 40.99'	34	8.0	2,409	153	1,711	199	0	0	0
4323	7/7	57° 20.00'	152° 00.23'	41	8.0	1,357	72	263	28	0	8	0
4324	7/7	57° 20.06'	152° 18.04'	21	7.9	4,437	158	156	20	0	0	0
4325	8/3	57° 30.02'	151° 05.00'	44	8.0	1,755	114	1,682	199	0	0	0
4326	8/6	57° 30.01'	151° 23.10'	52	8.0	2,223	160	958	112	0	79	0
4327	7/6	57° 30.00'	151° 42.00'	61	8.0	1,745	99	517	61	16	64	0
4328	7/6	57° 29.99'	152° 00.88'	27	8.0	4,328	215	734	83	0	8	0
4329	8/6	57° 40.00'	151° 43.13'	36	8.0	1,163	93	1,299	148	0	8	0
4330	7/6	57° 40.02'	152° 01.01'	78	8.0	1,995	96	285	32	0	40	0
4331	6/15	57° 30.09'	154° 54.97'	125	8.0	769	35	68	9	16	48	0
4332	6/14	57° 39.99'	154° 35.06'	118	8.0	1,317	53	63	9	64	128	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
4333	6/15	57° 40.00'	154° 54.17'	128	8.0	1,524	64	84	10	16	79	0
4334	6/15	57° 39.81'	155° 13.04'	162	8.0	1,197	54	43	5	40	56	0
4335	6/16	57° 50.07'	154° 14.84'	113	8.0	2,333	134	214	25	40	8	0
4336	6/14	57° 49.97'	154° 34.22'	126	8.0	838	36	47	6	48	16	0
4337	6/14	57° 49.95'	154° 53.06'	158	8.0	783	37	33	4	55	55	0
4338	6/17	58° 00.01'	153° 37.27'	91	8.0	1,476	67	149	20	0	8	0
4339	6/17	57° 59.98'	153° 55.98'	110	8.0	1,889	90	100	12	55	0	0
4340	6/16	57° 59.95'	154° 14.27'	128	8.0	704	35	27	4	8	40	0
4341	6/19	58° 10.03'	153° 18.95'	61	8.0	512	38	748	99	40	79	0
4342	6/17	58° 10.00'	153° 38.14'	106	7.9	1,668	79	40	5	8	0	0
4343	6/18	58° 09.91'	153° 57.12'	116	8.0	895	47	73	9	55	40	0
4344	6/8	58° 20.13'	153° 20.22'	95	8.0	457	23	40	5	32	8	0
4345	6/18	58° 19.91'	153° 39.17'	97	8.0	1,032	38	87	10	40	24	0
4346	6/18	58° 20.04'	153° 58.02'	47	8.0	1,350	49	307	42	0	103	0
4347	6/19	58° 30.04'	153° 01.82'	93	8.0	1,149	53	97	11	24	16	0
4348	6/8	58° 29.98'	153° 21.06'	99	8.0	634	30	170	21	8	48	0
4349	6/8	58° 29.95'	153° 41.02'	55	8.0	1,531	46	177	23	0	32	0
4350	6/10	58° 40.25'	152° 43.80'	111	8.0	743	37	85	10	48	32	0
4351	6/9	58° 39.98'	153° 03.08'	88	8.0	1,901	73	45	6	0	16	0
4352	6/9	58° 39.83'	153° 22.70'	27	7.9	1,272	52	390	55	0	63	0
4353	6/10	58° 50.02'	152° 26.11'	97	8.0	4,335	224	193	21	0	32	8
4354	6/10	58° 50.02'	152° 44.84'	104	8.0	428	18	68	9	0	40	0
4355	6/7	58° 49.95'	153° 03.89'	90	8.0	811	22	33	4	8	0	0
4356	6/6	59° 00.04'	151° 48.58'	78	8.0	3,972	261	1,070	120	0	16	0
4357	6/6	59° 00.00'	152° 06.65'	79	8.0	5,822	310	1,086	125	0	8	0
4359	6/7	59° 00.03'	152° 46.13'	93	8.0	1,637	76	116	15	0	72	0
4360	6/7	58° 59.97'	153° 05.08'	84	8.0	1,300	50	96	12	0	8	0
4361	6/5	59° 09.96'	152° 07.79'	78	8.0	2,519	168	1,088	131	0	16	0
4362	5/31	59° 09.96'	152° 27.22'	57	8.0	905	48	258	37	0	16	0
4363	5/31	59° 10.01'	152° 47.02'	77	7.9	1,920	92	232	28	16	24	0
4364	5/30	59° 09.97'	153° 06.33'	46	8.0	396	19	266	33	0	8	0
4365	5/30	59° 09.99'	153° 25.62'	22	8.0	874	42	226	32	0	128	0
4366	6/5	59° 19.93'	152° 08.89'	40	8.0	2,504	173	1,801	236	0	0	0
4367	5/31	59° 19.96'	152° 28.44'	39	8.0	1,274	49	274	38	0	55	0
4368	5/29	59° 19.95'	152° 48.20'	42	8.0	496	22	222	32	0	0	0
4369	5/30	59° 20.21'	153° 07.65'	28	8.0	617	30	350	45	0	38	0
4370	5/27	59° 29.95'	151° 50.40'	39	8.0	2,192	103	465	66	0	32	0
4371	5/27	59° 29.98'	152° 09.69'	22	8.0	2,236	92	1,110	147	0	8	0
4372	5/29	59° 30.07'	152° 28.92'	31	8.0	1,806	97	732	102	0	8	0
4373	5/29	59° 29.79'	152° 48.98'	28	8.0	1,103	63	371	51	0	48	0
4374	5/28	59° 40.02'	152° 29.98'	43	8.0	2,851	101	30	4	0	64	0
4375	5/28	59° 50.09'	152° 11.16'	28	8.0	1,236	76	1,099	153	0	0	0
5001	9/4	56° 00.00'	153° 36.13'	51	8.0	3,819	164	1,329	183	0	0	0
5002	9/4	56° 00.00'	153° 54.11'	69	8.0	3,019	158	1,226	165	0	16	0
5003	9/6	56° 00.02'	154° 14.51'	59	7.9	2,674	115	503	63	0	8	0
5004	9/6	56° 00.02'	154° 29.93'	244	8.0	180	8	0	0	152	0	8
5005	9/1	55° 59.86'	154° 48.01'	122	8.0	1,506	70	144	16	144	0	0
5006	9/1	55° 59.92'	155° 06.00'	32	7.9	617	28	478	62	0	212	0
5007	9/4	56° 10.00'	153° 36.19'	88	8.0	2,002	112	526	62	0	192	0
5008	9/3	56° 10.00'	153° 53.11'	124	7.9	1,685	83	135	15	141	0	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
5009	9/6	56° 09.96'	154° 10.96'	65	8.0	1,530	99	1,100	133	0	103	0
5010	9/2	56° 10.00'	154° 29.01'	51	8.0	3,744	137	1,019	133	0	89	0
5011	9/2	56° 10.00'	154° 47.01'	44	7.9	427	25	408	61	0	133	0
5013	8/4	56° 09.86'	155° 23.00'	20	5.8	1,639	81	677	82	0	0	0
5014	8/4	56° 09.94'	155° 41.00'	33	8.0	1,400	69	1,211	162	0	0	0
5015	9/3	56° 20.00'	153° 51.05'	48	8.0	2,280	83	484	66	0	40	0
5016	9/3	56° 20.00'	154° 10.17'	50	8.0	664	25	145	19	0	214	0
5017	9/2	56° 20.00'	154° 28.06'	34	8.0	1,322	72	270	36	0	0	0
5018	8/5	56° 20.09'	155° 22.00'	25	8.0	1,316	91	1,531	179	0	0	0
5019	8/5	56° 19.98'	155° 40.00'	39	7.9	879	41	452	69	0	8	0
5020	8/6	56° 30.00'	155° 21.00'	28	7.9	1,137	62	947	147	0	31	0
5021	8/5	56° 29.98'	155° 39.00'	63	8.0	1,418	78	251	30	0	170	0
5022	8/25	56° 39.95'	155° 02.06'	21	7.9	2,206	87	430	58	0	8	0
5024	8/6	56° 40.00'	155° 37.99'	130	8.0	1,630	69	82	9	64	48	0
5025	8/7	56° 39.95'	155° 56.00'	158	8.0	1,280	62	84	9	87	40	0
5026	8/31	56° 49.95'	154° 24.00'	34	8.0	268	6	26	3	0	0	0
5027	8/31	56° 49.95'	154° 42.00'	26	8.0	764	40	528	79	0	0	0
5028	8/25	56° 49.96'	155° 00.00'	40	8.0	1,193	52	508	67	0	143	0
5029	8/25	56° 49.83'	155° 19.06'	124	7.8	905	45	62	8	39	39	0
5030	8/7	56° 49.99'	155° 36.99'	151	8.0	2,009	93	69	7	40	72	0
5031	8/7	56° 50.00'	155° 55.00'	161	7.9	1,037	49	56	6	172	94	0
5032	8/23	56° 59.87'	154° 41.00'	22	7.9	2,551	78	408	64	0	0	0
5033	8/24	56° 59.98'	154° 59.00'	58	8.0	816	47	536	72	0	71	0
5034	8/24	56° 59.94'	155° 18.00'	136	8.0	1,276	64	46	5	60	60	0
5035	8/8	56° 59.98'	155° 36.01'	152	3.3	587	27	20	2	49	16	0
5036	8/8	57° 00.05'	155° 54.00'	161	7.3	1,465	63	12	2	120	97	0
5037	8/23	57° 09.96'	154° 40.00'	32	7.9	2,462	103	366	48	0	0	0
5038	8/23	57° 10.00'	154° 58.00'	108	8.0	471	26	110	12	24	40	0
5039	8/24	57° 09.96'	155° 16.00'	133	8.0	1,012	49	89	9	56	56	0
5040	8/8	57° 09.93'	155° 35.00'	148	7.9	1,300	59	55	6	110	86	0
5041	8/18	57° 09.89'	155° 53.00'	134	8.0	1,376	64	100	12	104	192	0
5042	8/22	57° 19.99'	154° 57.09'	104	8.0	2,135	92	228	25	88	16	0
5043	8/22	57° 19.97'	155° 14.99'	133	8.0	1,259	65	61	7	80	40	0
5044	8/21	57° 19.99'	155° 34.19'	154	8.0	1,089	54	54	6	40	48	0
5045	8/21	57° 20.00'	155° 52.23'	59	8.0	1,875	95	527	67	0	48	0
5046	8/18	57° 20.03'	156° 11.00'	68	8.0	1,483	58	160	22	8	128	0
5047	8/22	57° 29.95'	155° 14.00'	140	8.0	1,612	65	27	3	95	87	0
5096	6/16	54° 49.98'	157° 32.98'	199	8.0	40	2	0	0	176	0	8
5097	6/17	54° 49.99'	157° 49.73'	93	8.0	3,755	221	455	50	16	87	0
5098	6/16	54° 59.86'	157° 15.00'	106	8.0	2,592	156	329	36	8	64	8
5099	6/16	55° 00.00'	157° 31.83'	54	8.0	4,515	250	1,247	144	0	32	0
5100	6/17	54° 59.98'	157° 50.23'	45	8.0	2,929	170	2,102	248	0	8	32
5101	6/17	55° 00.00'	158° 07.13'	71	8.0	1,286	70	1,042	139	0	128	0
5102	6/14	55° 10.02'	156° 22.70'	277	8.0	0	0	0	0	127	0	16
5103	6/14	55° 10.25'	156° 39.91'	277	8.0	0	0	0	0	143	0	0
5104	6/15	55° 09.96'	156° 57.00'	86	8.0	868	50	96	10	152	48	0
5105	6/15	55° 10.01'	157° 14.04'	60	8.0	3,504	202	1,290	150	0	24	0
5106	6/19	55° 10.00'	157° 32.03'	47	8.0	2,390	133	1,816	231	0	8	0
5107	6/19	55° 09.99'	157° 49.14'	43	8.0	1,133	51	1,468	189	0	180	0
5108	6/18	55° 10.06'	158° 07.00'	57	8.0	3,132	162	1,589	207	0	40	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.



# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
5109	6/14	55° 19.75'	156° 38.98'	65	8.0	4,429	258	1,246	144	0	40	0
5110	6/15	55° 20.02'	156° 56.13'	51	8.0	2,859	144	1,717	208	0	0	0
5111	6/20	55° 20.21'	157° 13.95'	49	8.0	1,021	64	1,740	239	0	40	0
5112	6/20	55° 20.19'	157° 32.53'	47	8.0	1,100	58	1,302	167	0	232	0
5113	6/19	55° 20.00'	157° 48.85'	45	8.0	1,045	40	1,775	249	0	111	0
5114	6/18	55° 20.01'	158° 05.99'	60	8.0	1,391	77	1,275	169	8	24	0
5115	6/18	55° 19.92'	158° 23.98'	80	8.0	2,458	124	678	83	48	48	0
5116	6/21	55° 30.01'	156° 37.81'	100	8.0	1,405	74	285	32	158	55	16
5117	6/21	55° 30.00'	156° 54.99'	49	8.0	5,497	273	1,234	144	0	8	0
5118	6/20	55° 30.14'	157° 12.98'	48	8.0	2,122	122	1,726	208	0	8	0
5119	6/28	55° 30.50'	157° 31.48'	50	8.0	391	21	868	121	0	240	0
5120	6/27	55° 29.97'	157° 48.00'	53	8.0	1,620	88	1,196	152	8	127	0
5121	6/27	55° 30.00'	158° 06.12'	70	8.0	1,050	60	469	61	40	8	0
5122	6/26	55° 30.02'	158° 23.99'	79	8.0	942	41	345	45	32	8	0
5123	6/21	55° 39.95'	156° 55.01'	49	8.0	1,907	110	1,806	224	0	0	0
5124	6/28	55° 40.02'	157° 13.04'	46	8.0	303	15	837	114	0	246	0
5125	6/28	55° 40.00'	157° 30.16'	53	8.0	1,714	97	1,241	160	0	79	0
5126	6/29	55° 39.93'	157° 47.99'	74	8.0	646	37	369	48	0	112	0
5127	6/27	55° 40.11'	158° 06.02'	68	8.0	2,140	119	801	104	0	8	0
5128	6/26	55° 40.03'	158° 22.99'	71	8.0	1,976	110	495	63	8	24	0
5129	6/26	55° 39.98'	158° 41.16'	48	8.0	1,638	88	2,105	295	0	0	0
5130	6/30	55° 50.01'	157° 12.09'	55	8.0	2,257	136	1,580	196	0	16	0
5131	6/30	55° 49.91'	157° 29.99'	57	8.0	1,686	97	1,202	160	0	103	0
5132	6/29	55° 49.78'	157° 48.01'	65	8.0	2,689	143	688	86	0	16	0
5133	6/25	55° 49.97'	158° 05.00'	46	8.0	2,367	97	1,673	223	0	0	0
5134	6/25	55° 49.99'	158° 22.96'	60	8.0	3,235	148	1,279	164	0	8	0
5135	6/30	56° 00.03'	157° 29.00'	66	8.0	1,805	102	996	126	0	40	0
5136	6/29	55° 59.94'	157° 47.00'	66	8.0	2,029	113	1,004	130	0	8	0
5137	6/25	55° 59.97'	158° 04.97'	47	8.0	847	34	587	83	0	16	0
5138	6/24	56° 09.99'	157° 47.04'	86	8.0	3,441	107	125	14	0	88	0
5139	6/24	56° 10.01'	158° 04.98'	37	8.0	1,938	89	431	59	0	40	0
5140	6/24	56° 20.00'	158° 03.99'	34	8.0	1,478	51	237	32	0	0	0
5141	8/24	54° 29.98'	159° 00.32'	149	8.0	2,473	140	283	32	9	0	9
5142	8/24	54° 29.95'	159° 17.02'	81	8.0	901	49	307	41	32	127	0
5143	8/22	54° 29.95'	159° 34.02'	63	8.0	2,740	145	968	117	0	103	24
5144	8/23	54° 30.00'	159° 50.99'	65	8.0	1,180	58	911	123	0	71	0
5145	8/23	54° 30.01'	160° 09.15'	65	8.0	2,025	99	1,059	144	0	103	0
5146	8/25	54° 40.00'	158° 25.12'	111	8.0	3,117	140	62	7	63	111	0
5147	8/25	54° 39.88'	158° 42.00'	56	8.0	3,320	175	1,251	157	0	16	0
5148	6/21	54° 39.92'	159° 00.34'	48	8.0	5,824	279	1,078	133	0	16	0
5149	8/24	54° 39.97'	159° 17.02'	40	8.0	2,625	135	824	103	0	40	0
5150	8/22	54° 40.00'	159° 33.99'	33	8.0	3,153	161	1,320	160	0	55	32
5151	8/22	54° 40.00'	159° 52.00'	41	8.0	2,827	141	931	118	0	0	0
5152	8/21	54° 39.98'	160° 08.98'	49	8.0	1,889	107	830	106	0	24	0
5153	8/26	54° 49.98'	158° 07.01'	54	8.0	3,121	187	1,506	184	0	0	0
5154	8/26	54° 50.02'	158° 25.00'	106	8.0	4,638	202	197	24	71	8	0
5155	8/25	54° 49.95'	158° 42.02'	53	8.0	3,176	150	1,660	236	0	0	0
5156	6/21	54° 49.50'	158° 59.72'	39	8.0	960	45	516	68	0	88	0
5157	8/21	54° 50.03'	159° 52.03'	30	8.0	938	39	664	93	0	224	0
5158	8/21	54° 49.95'	160° 09.02'	37	8.0	1,918	62	598	85	0	87	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
5159	6/22	54° 50.08'	160° 26.27'	45	8.0	604	30	345	46	0	48	0
5160	8/26	55° 00.01'	158° 24.84'	110	8.0	3,681	169	106	12	135	32	8
5161	6/19	55° 00.47'	158° 42.06'	71	8.0	2,316	104	731	95	0	128	0
5162	6/15	54° 59.92'	158° 58.89'	45	8.0	3,134	117	1,359	187	0	64	0
5163	6/14	55° 00.53'	159° 16.30'	24	8.0	3,205	123	625	81	8	198	0
5164	6/22	55° 00.00'	160° 26.93'	60	7.3	2,203	118	497	58	14	58	0
5165	6/25	55° 00.05'	160° 43.66'	49	8.0	4,283	143	541	69	0	8	0
5166	6/19	55° 09.61'	158° 24.81'	94	8.0	6,142	293	554	63	33	49	0
5167	6/15	55° 09.89'	158° 42.95'	106	8.0	3,638	155	278	32	64	8	0
5168	6/15	55° 09.98'	158° 58.88'	74	8.0	3,606	164	841	100	0	104	0
5169	6/14	55° 09.96'	159° 16.83'	35	8.0	2,635	130	1,190	155	0	8	16
5170	6/16	55° 19.78'	158° 42.01'	98	8.0	2,878	118	133	17	143	0	0
5171	6/16	55° 20.08'	158° 58.68'	99	8.0	2,774	115	118	14	16	0	0
5172	6/10	55° 20.05'	159° 16.74'	93	8.0	2,093	98	122	14	0	8	0
5173	6/5	55° 20.00'	159° 34.06'	75	8.0	1,525	67	179	21	0	15	0
5174	6/5	55° 20.10'	159° 51.77'	44	8.0	1,413	68	668	90	0	16	0
5175	6/16	55° 29.34'	158° 41.26'	86	8.0	1,263	48	31	4	16	0	0
5176	6/10	55° 30.02'	158° 59.17'	57	8.0	1,274	60	454	61	0	16	0
5177	6/10	55° 29.95'	159° 17.15'	65	7.9	2,110	107	799	105	0	128	0
5178	6/6	55° 30.02'	159° 34.00'	89	8.0	3,974	180	302	37	0	16	0
5179	6/6	55° 29.95'	159° 52.06'	90	8.0	2,553	105	203	24	0	24	0
5181	6/9	55° 40.01'	158° 59.15'	80	8.0	1,204	59	120	14	0	8	0
5182	6/9	55° 39.91'	159° 16.98'	54	8.0	2,128	81	697	91	0	8	0
5183	6/6	55° 39.97'	159° 51.92'	69	8.0	3,301	121	185	22	0	69	0
5184	6/9	55° 49.83'	158° 59.00'	66	8.0	3,415	165	273	32	0	74	0
5185	6/7	55° 49.61'	159° 15.83'	36	8.0	2,267	110	502	65	0	240	0
5186	7/23	53° 59.82'	163° 16.46'	48	8.1	942	53	441	67	0	218	0
5187	7/23	53° 59.66'	163° 33.29'	50	8.1	347	19	617	92	0	307	0
5188	7/23	53° 59.53'	163° 47.42'	50	8.1	280	15	721	113	0	57	0
5189	7/28	54° 10.03'	161° 34.33'	69	8.1	1,934	106	1,136	153	0	51	0
5190	7/24	54° 10.40'	161° 52.55'	44	8.1	3,211	154	1,062	134	0	16	16
5191	7/24	54° 10.25'	162° 07.86'	43	8.1	4,467	178	453	56	0	129	57
5192	7/24	54° 10.71'	162° 23.92'	52	8.1	3,343	139	753	96	0	194	0
5193	7/22	54° 10.30'	163° 49.20'	50	8.1	493	25	883	142	0	154	0
5195	8/2	54° 20.15'	160° 26.81'	68	8.1	3,696	196	1,123	148	0	0	0
5196	8/2	54° 19.86'	160° 43.35'	58	8.0	5,427	297	1,002	118	0	24	48
5197	8/1	54° 20.38'	160° 59.25'	69	8.1	2,288	127	1,484	202	0	0	0
5198	7/29	54° 19.49'	161° 15.89'	62	8.1	1,858	102	589	73	40	89	0
5199	7/28	54° 20.00'	161° 34.36'	78	8.1	564	28	266	37	24	65	0
5200	7/28	54° 19.48'	161° 49.24'	42	8.1	2,212	105	630	80	0	202	0
5201	7/25	54° 19.91'	162° 09.07'	31	8.1	4,432	92	437	61	0	0	0
5202	7/20	54° 20.38'	163° 16.77'	26	8.1	2,075	80	618	84	0	16	0
5203	7/22	54° 19.73'	163° 34.05'	60	8.1	1,343	86	1,501	193	0	113	0
5204	7/22	54° 19.53'	163° 51.42'	61	8.1	935	58	863	114	16	250	0
5205	7/21	54° 20.48'	164° 08.25'	52	8.1	779	53	1,259	179	0	129	0
5206	8/2	54° 29.57'	160° 25.81'	80	8.1	2,071	106	400	50	57	81	0
5207	8/1	54° 30.07'	160° 44.50'	76	8.1	663	30	213	29	40	105	0
5208	8/1	54° 30.02'	160° 58.94'	72	8.1	753	43	419	51	32	48	0
5209	7/29	54° 29.80'	161° 18.94'	58	8.1	3,589	155	1,300	178	0	16	0
5210	7/29	54° 29.25'	161° 34.75'	37	8.1	2,924	121	1,158	162	0	0	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
5211	6/28	54° 30.22'	161° 52.38'	74	8.0	1,974	104	364	48	0	32	0
5212	7/25	54° 29.94'	162° 09.86'	76	8.1	2,158	98	687	86	0	89	0
5213	7/25	54° 29.86'	162° 25.15'	78	8.1	3,674	188	394	50	0	65	0
5214	7/20	54° 30.18'	163° 17.83'	42	8.0	840	46	820	110	0	8	0
5215	7/20	54° 29.69'	163° 34.75'	55	8.1	693	45	1,063	156	0	0	0
5216	7/21	54° 29.43'	163° 53.31'	47	8.1	1,890	85	975	134	0	97	0
5217	7/21	54° 29.73'	164° 09.49'	55	8.1	1,938	124	1,193	151	0	162	0
5218	7/31	54° 39.39'	160° 26.49'	56	8.1	1,648	99	2,183	284	0	0	0
5219	7/31	54° 39.97'	160° 43.08'	53	8.1	3,224	168	1,920	256	0	0	0
5220	7/30	54° 40.39'	161° 01.20'	47	8.1	3,706	181	1,452	193	0	0	8
5221	7/30	54° 39.72'	161° 18.59'	78	8.0	1,906	96	464	57	0	48	0
5222	6/28	54° 39.90'	161° 34.55'	37	8.0	2,532	77	792	111	0	150	16
5223	6/28	54° 39.87'	161° 52.59'	39	8.0	2,977	100	725	98	0	32	0
5224	7/16	54° 40.06'	162° 44.46'	45	8.1	1,148	59	513	81	0	32	0
5225	7/31	54° 49.41'	160° 45.02'	57	8.0	847	50	1,338	171	0	40	0
5226	7/30	54° 49.59'	161° 00.95'	57	8.1	1,206	66	1,244	167	0	0	0
5227	6/27	54° 50.04'	161° 18.91'	64	8.0	3,443	147	506	69	0	32	0
5228	6/27	54° 50.06'	161° 34.17'	53	8.0	4,129	129	360	49	16	64	0
5229	7/16	54° 49.95'	162° 45.74'	27	8.0	1,052	47	284	41	0	16	0
5230	7/16	54° 49.34'	163° 03.44'	36	8.2	1,490	73	637	91	0	90	0
5231	6/25	54° 59.86'	161° 00.46'	49	8.0	2,066	72	354	47	0	16	0
5232	6/27	54° 59.86'	161° 19.25'	47	8.0	2,680	83	275	37	0	96	8
5233	6/25	55° 09.84'	161° 01.85'	71	8.0	2,663	129	407	49	8	282	0
5234	7/11	55° 20.08'	156° 03.00'	159	8.0	1,162	42	26	3	246	0	8
5235	7/11	55° 19.94'	156° 21.00'	94	8.0	4,263	216	595	67	16	72	0
5236	8/2	55° 30.00'	155° 44.87'	118	8.0	1,424	75	140	17	190	24	0
5237	8/2	55° 29.92'	156° 03.00'	109	4.7	1,834	103	313	36	12	35	0
5238	7/11	55° 30.05'	156° 20.00'	116	7.9	2,683	131	259	28	143	101	0
5239	8/3	55° 39.91'	155° 26.00'	101	8.0	585	34	249	31	120	160	0
5240	8/3	55° 40.04'	155° 44.00'	68	8.0	2,469	129	566	69	0	328	0
5241	8/2	55° 40.02'	156° 02.01'	124	8.0	1,623	81	66	7	256	0	0
5242	7/10	55° 40.05'	156° 19.00'	139	8.0	1,993	99	141	15	230	8	0
5243	7/10	55° 39.84'	156° 37.00'	130	8.0	2,481	124	179	19	79	16	0
5244	9/1	55° 50.06'	155° 07.01'	65	8.0	1,500	56	403	48	0	128	0
5245	8/3	55° 49.94'	155° 25.00'	26	8.0	1,481	53	383	54	0	0	0
5246	7/27	55° 50.00'	156° 01.00'	55	8.0	3,616	170	566	69	0	246	0
5247	7/10	55° 50.11'	156° 19.00'	130	7.9	1,242	56	49	5	172	0	0
5248	7/9	55° 49.88'	156° 36.00'	123	6.0	1,692	95	108	12	40	0	0
5249	7/9	55° 49.98'	156° 54.00'	74	8.0	3,839	192	639	76	0	32	0
5250	8/4	55° 59.91'	155° 42.00'	25	8.0	775	51	1,168	147	0	16	0
5251	7/27	55° 59.94'	156° 00.00'	41	8.0	568	31	727	97	0	224	0
5252	7/27	55° 59.88'	156° 17.99'	115	8.0	1,797	78	48	5	200	144	0
5253	7/9	55° 59.94'	156° 36.00'	105	8.0	3,171	138	320	38	32	111	0
5254	7/6	55° 59.98'	157° 10.99'	61	8.0	2,063	118	1,484	177	0	40	0
5255	7/26	56° 09.97'	155° 59.00'	115	8.0	1,743	70	78	9	119	95	0
5256	7/26	56° 10.00'	156° 17.00'	125	7.6	2,225	104	144	16	68	83	0
5257	7/8	56° 09.92'	156° 35.00'	102	8.0	2,916	160	237	26	24	32	0
5258	7/7	56° 10.05'	156° 53.00'	46	8.0	1,191	52	960	136	0	40	0
5259	7/6	56° 09.96'	157° 11.00'	56	8.0	2,138	106	1,523	191	0	0	0
5260	7/6	56° 10.02'	157° 29.50'	84	7.8	3,645	184	364	44	0	62	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
5261	7/26	56° 20.01'	155° 58.00'	114	8.0	2,309	108	92	11	111	24	0
5262	7/8	56° 20.06'	156° 16.00'	154	8.0	1,010	51	0	0	95	71	0
5263	7/8	56° 20.10'	156° 33.98'	101	3.9	802	38	70	7	58	116	0
5264	7/7	56° 19.94'	156° 52.00'	63	7.9	1,969	97	1,056	141	0	31	0
5265	7/7	56° 20.05'	157° 09.99'	94	8.0	2,117	88	175	23	0	127	0
5266	7/5	56° 19.88'	157° 28.00'	37	8.0	2,095	86	1,333	193	0	0	24
5267	7/5	56° 19.91'	157° 46.00'	31	8.0	2,359	91	501	74	0	24	0
5269	7/25	56° 29.87'	156° 15.00'	140	8.0	1,089	49	37	4	80	168	0
5270	7/24	56° 29.95'	156° 32.99'	105	8.0	4,818	219	140	15	96	8	0
5271	7/24	56° 29.82'	156° 51.00'	50	8.0	2,818	124	773	104	0	40	0
5272	7/5	56° 30.00'	157° 28.01'	80	8.0	2,420	107	309	40	0	120	0
5273	7/25	56° 39.93'	156° 14.00'	115	8.0	2,616	133	93	10	119	71	0
5274	7/24	56° 40.01'	156° 32.00'	85	8.1	3,269	154	349	40	97	40	0
5275	7/22	56° 39.91'	156° 50.99'	52	8.0	2,929	126	964	123	0	32	0
5276	7/22	56° 40.00'	157° 09.01'	69	8.0	2,575	128	642	79	0	48	0
5277	7/21	56° 50.00'	156° 13.00'	105	8.1	2,434	114	138	16	65	89	0
5278	7/21	56° 49.88'	156° 31.99'	62	7.9	2,395	111	797	102	0	32	0
5279	7/22	56° 49.99'	156° 50.00'	59	8.0	2,156	96	724	94	0	95	0
5280	7/21	56° 59.97'	156° 13.00'	85	8.0	791	35	87	10	32	240	0
6001	7/23	52° 30.02'	169° 41.25'	132	7.9	2,001	81	145	17	23	202	0
6002	7/23	52° 29.97'	169° 58.04'	130	7.8	5,070	164	162	19	0	78	0
6005	7/24	52° 39.83'	169° 25.00'	108	7.0	3,024	109	138	19	0	86	17
6006	7/24	52° 39.83'	169° 45.03'	38	7.9	3,284	121	417	52	0	85	0
6007	7/23	52° 40.00'	169° 58.19'	163	7.9	3,363	97	46	6	8	125	16
6008	7/16	52° 40.01'	170° 48.27'	47	7.6	2,001	54	479	74	0	91	0
6009	7/22	52° 43.03'	171° 22.46'	88	7.9	2,599	141	340	42	0	0	0
6010	7/17	52° 50.02'	168° 36.09'	53	8.0	1,778	84	472	62	0	166	24
6011	7/17	52° 49.98'	168° 52.21'	29	7.9	1,811	37	203	27	0	78	0
6013	7/22	52° 50.00'	171° 21.09'	98	8.0	3,202	128	210	28	0	0	0
6014	7/22	52° 49.01'	171° 34.97'	133	7.9	8,529	320	67	7	0	8	0
6015	7/25	53° 00.00'	167° 29.48'	97	8.0	389	26	305	44	8	301	0
6016	7/19	53° 00.00'	167° 46.09'	55	8.0	1,252	73	435	61	0	227	0
6017	7/18	52° 59.99'	168° 02.15'	64	7.9	674	44	548	72	0	140	0
6018	7/18	53° 00.00'	168° 18.79'	48	8.0	3,602	106	308	44	0	182	0
6019	7/13	53° 00.00'	169° 08.83'	122	6.7	1,861	75	200	24	25	108	17
6020	7/14	53° 00.01'	169° 59.34'	63	7.9	1,557	63	287	39	0	0	0
6022	7/26	53° 09.96'	166° 56.00'	113	8.0	464	32	212	29	32	135	0
6023	7/26	53° 09.92'	167° 12.01'	59	7.9	1,327	67	461	60	0	55	0
6024	7/25	53° 09.99'	167° 29.16'	48	7.8	1,024	55	889	119	0	92	0
6025	7/25	53° 09.90'	167° 45.98'	42	7.9	1,020	48	586	78	0	274	0
6026	7/19	53° 10.16'	168° 01.99'	33	8.0	297	10	274	36	0	24	0
6027	7/13	53° 10.02'	168° 51.80'	113	8.0	4,730	164	139	17	0	136	8
6028	7/14	53° 09.99'	169° 43.16'	158	7.9	6,903	169	9	1	0	29	0
6029	7/28	53° 20.01'	166° 05.02'	261	7.9	0	0	0	0	63	0	8
6030	7/27	53° 19.98'	166° 22.14'	136	7.9	350	24	214	25	54	8	0
6031	7/27	53° 19.98'	166° 38.04'	72	8.0	390	24	194	28	24	166	0
6032	7/27	53° 19.98'	166° 54.86'	50	7.8	1,210	79	600	78	0	155	0
6033	7/26	53° 20.06'	167° 11.98'	39	7.9	1,269	62	620	90	0	8	0
6034	7/13	53° 20.02'	168° 36.03'	44	7.9	3,908	112	162	21	0	196	0
6035	7/29	53° 30.16'	165° 48.00'	113	7.9	336	19	68	8	133	78	0

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# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
6036	7/28	53° 30.00'	166° 04.00'	73	8.0	792	50	430	59	0	261	0
6037	7/28	53° 30.06'	166° 20.96'	63	7.9	1,240	64	514	75	0	133	0
6038	7/12	53° 30.13'	167° 28.02'	43	8.0	992	30	128	21	0	63	0
6039	8/1	53° 39.98'	164° 37.87'	195	7.9	12	1	0	0	55	0	16
6040	8/1	53° 39.98'	164° 54.95'	182	7.9	40	2	0	0	39	0	16
6041	7/31	53° 40.20'	165° 13.00'	192	7.9	37	3	0	0	71	0	24
6042	7/31	53° 40.19'	165° 30.01'	85	7.9	595	35	193	29	24	63	0
6043	7/29	53° 40.02'	165° 46.99'	68	7.9	1,145	77	483	63	0	39	0
6044	7/29	53° 40.00'	166° 03.76'	46	7.9	1,661	78	867	113	0	0	0
6045	7/12	53° 40.01'	167° 11.07'	36	8.0	1,166	38	160	22	0	216	0
6046	7/12	53° 39.50'	167° 27.80'	189	7.9	2,454	92	106	13	63	125	16
6047	8/3	53° 50.00'	163° 47.96'	49	7.9	2,101	89	422	53	0	227	31
6048	8/3	53° 50.00'	164° 04.99'	43	7.9	1,109	53	373	46	0	400	24
6049	8/2	53° 50.01'	164° 21.98'	46	7.7	1,326	75	487	61	0	269	0
6050	8/1	53° 50.00'	164° 39.00'	53	8.0	849	51	528	73	0	119	0
6051	8/5	53° 50.01'	164° 55.95'	61	7.8	153	10	98	14	54	85	0
6052	7/31	53° 50.03'	165° 12.00'	58	7.9	787	58	737	100	8	94	0
6053	8/6	53° 50.01'	165° 29.05'	50	7.9	266	18	299	44	0	235	0
6054	8/7	53° 50.02'	165° 45.84'	40	7.9	0	0	147	28	0	63	0
6055	8/7	53° 49.98'	166° 01.83'	43	8.0	1,082	57	834	116	0	103	0
6057	8/3	54° 00.06'	164° 06.00'	40	7.9	543	24	419	63	0	141	0
6058	8/2	54° 00.21'	164° 23.00'	55	8.0	275	20	642	92	0	214	0
6059	8/2	54° 00.16'	164° 39.98'	53	7.9	1,542	100	766	96	0	118	0
6060	8/5	54° 00.00'	164° 57.13'	42	7.8	104	8	437	62	0	155	0
6061	8/5	54° 00.12'	165° 11.98'	41	8.0	1,168	60	674	82	0	246	0
6062	8/6	54° 00.02'	165° 29.03'	39	7.9	506	35	633	79	0	282	0
6063	8/6	54° 00.00'	165° 46.03'	48	7.8	1,335	74	938	121	0	109	0
6064	8/4	54° 10.00'	164° 06.90'	38	8.0	107	6	99	17	0	158	0
6065	8/4	54° 10.00'	164° 25.02'	48	7.9	159	9	240	40	0	0	0
6066	8/4	54° 10.00'	164° 41.17'	38	7.9	3,460	145	759	103	0	0	0
7001	7/29	54° 30.62'	165° 43.85'	207	8.0	107	7	77	13	40	0	0
7002	7/26	54° 30.81'	166° 18.62'	263	8.0	1,103	37	0	0	8	0	0
7003	7/26	54° 30.56'	166° 35.72'	257	8.0	1,040	36	0	0	0	32	0
7004	7/24	54° 30.48'	166° 53.00'	256	8.0	1,260	49	0	0	8	0	0
7006	7/28	54° 40.33'	165° 26.58'	116	8.0	141	9	87	15	48	79	0
7007	7/29	54° 39.48'	165° 42.84'	184	8.0	49	2	12	2	8	24	0
7008	7/27	54° 40.42'	166° 00.92'	174	8.0	431	27	61	7	0	16	0
7010	7/25	54° 40.81'	166° 34.80'	178	8.0	1,521	72	0	0	0	16	0
7011	7/24	54° 39.57'	166° 53.12'	209	8.0	1,668	64	21	2	16	0	0
7012	7/24	54° 39.77'	167° 10.32'	249	8.0	822	29	0	0	0	0	0
7013	7/28	54° 50.17'	165° 25.50'	82	8.0	60	5	56	8	8	72	0
7014	7/28	54° 49.94'	165° 42.84'	84	8.0	54	4	46	5	0	112	0
7015	7/27	54° 49.99'	166° 00.81'	85	8.0	95	4	18	2	0	104	0
7016	7/27	54° 50.07'	166° 16.95'	89	8.0	303	9	0	0	0	40	0
7017	7/25	54° 49.50'	166° 34.73'	112	8.0	106	5	0	0	0	0	0
7018	7/25	54° 49.53'	166° 51.71'	146	8.0	772	41	9	1	0	56	0
7019	7/23	54° 50.38'	167° 09.87'	193	8.0	980	46	19	2	8	0	0
7021	7/22	55° 00.53'	166° 34.22'	79	8.0	218	9	25	3	0	72	0
7022	7/23	55° 00.30'	166° 52.51'	84	8.0	417	19	0	0	0	40	0
7023	7/23	55° 00.05'	167° 08.59'	94	8.0	662	28	0	0	16	103	0

<sup>1</sup> Standard skate =1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
7024	6/10	54° 59.48'	167° 27.08'	167	8.0	1,295	67	64	7	24	111	0
7025	7/22	55° 09.93'	166° 34.55'	76	8.0	401	16	37	4	0	120	0
7026	7/22	55° 10.15'	166° 50.91'	78	8.0	475	22	20	2	0	64	0
7027	6/10	55° 10.19'	167° 09.05'	81	8.0	1,015	39	47	5	0	112	0
7028	6/10	55° 10.05'	167° 25.90'	88	8.0	1,458	65	109	12	0	119	0
7029	6/9	55° 10.04'	167° 44.12'	166	8.0	481	23	8	1	0	190	0
7030	6/9	55° 20.15'	167° 44.00'	89	8.0	403	20	118	14	8	111	0
7031	6/9	55° 20.18'	168° 01.01'	196	8.0	1,349	77	161	18	0	48	0
7032	6/8	55° 30.25'	168° 01.16'	78	8.0	446	22	242	32	0	238	0
7033	6/8	55° 29.87'	168° 19.18'	140	8.0	285	11	18	2	0	71	0
7034	6/8	55° 40.13'	168° 36.89'	78	8.0	104	5	43	5	0	174	0
7035	6/7	55° 50.05'	168° 37.39'	78	8.0	2,813	82	145	18	0	71	0
7036	6/7	55° 50.09'	168° 51.89'	155	8.0	681	36	145	18	69	79	0
7037	6/6	56° 00.07'	168° 19.05'	86	8.0	108	4	161	22	0	71	0
7038	6/7	56° 00.05'	168° 36.98'	143	8.0	144	6	53	6	0	111	0
7039	6/3	56° 00.06'	169° 47.97'	138	8.0	182	9	32	4	0	71	0
7040	6/3	56° 00.05'	170° 06.67'	102	8.0	499	24	136	18	0	127	0
7041	6/5	56° 10.19'	168° 01.02'	78	7.9	212	10	27	3	0	78	0
7042	6/6	56° 09.95'	168° 18.93'	88	8.0	260	13	126	17	0	71	0
7043	6/6	56° 09.97'	168° 36.56'	172	8.0	1,432	54	8	1	24	168	0
7044	6/4	56° 10.13'	168° 54.80'	137	8.0	259	10	26	3	0	135	0
7045	6/4	56° 10.11'	169° 30.87'	265	7.9	5,726	168	0	0	39	0	0
7046	6/3	56° 10.04'	170° 42.08'	82	7.9	887	30	66	8	0	157	0
7047	6/5	56° 20.01'	168° 01.15'	77	8.0	198	11	40	6	0	104	0
7048	6/5	56° 20.15'	168° 18.84'	84	8.0	241	9	26	4	0	80	0
7049	6/4	56° 19.75'	169° 12.98'	73	8.0	94	3	45	6	0	95	0
6067	6/23	51° 10.16'	179° 00.00'	242	8.0	1,011	35	0	0	86	0	16
6069	6/25	51° 30.35'	176° 52.00'	167	7.9	1,836	73	11	1	47	133	39
6070	6/24	51° 29.98'	178° 29.01'	105	7.9	2,525	108	107	13	0	49	0
6071	6/23	51° 30.00'	178° 45.20'	129	8.0	663	29	0	0	0	8	168
6072	6/26	51° 39.99'	175° 48.31'	254	7.8	184	8	0	0	8	0	8
6073	6/26	51° 39.92'	176° 04.02'	161	7.9	1,550	71	21	2	0	26	9
6074	6/26	51° 39.88'	176° 20.00'	82	8.0	997	47	113	14	0	63	0
6075	6/25	51° 39.65'	177° 09.03'	69	8.0	546	22	94	13	0	333	0
6076	6/25	51° 40.39'	177° 24.98'	72	7.9	828	27	78	12	0	274	0
6077	6/24	51° 40.03'	178° 13.05'	36	7.9	1,662	61	76	9	0	71	0
6078	6/24	51° 39.99'	178° 28.39'	237	7.9	545	17	0	0	101	0	8
6079	6/14	51° 49.98'	174° 26.93'	119	8.0	967	45	63	7	0	32	0
6080	6/15	51° 49.99'	174° 43.05'	116	7.9	965	39	94	11	0	23	0
6081	6/15	51° 50.00'	175° 00.16'	116	7.9	2,019	77	46	6	0	16	0
6082	6/16	51° 50.02'	175° 16.23'	106	7.9	1,743	63	42	5	0	23	0
6083	6/15	51° 50.00'	175° 31.96'	92	7.9	1,378	68	161	22	0	0	0
6084	6/16	51° 50.00'	175° 47.89'	67	7.8	420	20	272	36	0	149	0
6085	6/13	52° 00.00'	173° 21.78'	38	7.5	1,031	29	107	13	0	173	0
6086	6/13	52° 00.01'	173° 37.90'	39	8.0	596	14	90	13	0	71	0
6087	6/13	51° 59.98'	173° 53.81'	44	7.7	587	17	136	18	0	23	0
6088	6/14	51° 59.99'	174° 10.88'	53	7.9	22	2	154	29	0	0	0
6089	6/14	51° 59.99'	174° 26.68'	40	8.0	593	12	72	9	0	55	0
6090	6/15	52° 00.00'	174° 58.70'	37	8.0	194	6	54	7	0	119	0
6091	6/18	52° 00.06'	176° 21.00'	81	7.9	1,239	38	100	11	0	10	0

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.

# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
6092	6/22	52° 00.27'	179° 27.00'	49	7.9	614	18	0	0	0	24	0
6093	6/12	52° 09.98'	172° 48.97'	75	5.7	1,081	47	66	8	0	84	0
6094	6/12	52° 09.98'	173° 04.88'	46	7.8	1,604	51	61	9	0	147	0
6095	6/12	52° 09.98'	173° 20.89'	53	7.9	564	16	92	12	0	0	0
6096	6/11	52° 09.98'	173° 53.85'	46	7.7	759	40	222	26	0	129	0
6097	6/10	52° 10.02'	174° 42.98'	60	7.8	341	17	79	11	0	24	0
6098	6/10	52° 09.99'	174° 59.04'	64	7.8	316	13	39	5	0	8	0
6099	6/10	52° 10.02'	175° 14.60'	99	8.0	1,746	39	18	2	0	145	0
6100	6/18	52° 09.99'	175° 47.75'	200	8.0	666	26	0	0	8	24	0
6101	6/22	52° 10.00'	179° 28.00'	157	7.7	412	10	0	0	0	0	0
6102	6/20	52° 09.98'	179° 42.00'	159	7.8	1,138	24	0	0	0	0	0
6103	6/21	52° 10.07'	179° 43.98'	50	7.8	647	18	0	0	0	8	0
6104	6/20	52° 09.67'	179° 58.01'	54	7.8	584	13	0	0	0	16	0
6105	6/11	52° 19.94'	173° 52.99'	60	7.9	1,119	37	215	30	0	16	0
6106	6/19	52° 19.84'	179° 41.01'	170	7.9	455	9	0	0	0	0	8
6107	6/21	52° 19.87'	179° 44.99'	229	8.0	820	28	0	0	0	8	0
6108	6/20	52° 19.88'	179° 57.00'	69	8.0	180	7	0	0	0	0	0
6109	6/11	52° 29.92'	173° 36.99'	239	7.9	869	21	0	0	149	0	8
6110	6/19	52° 29.89'	179° 41.03'	55	7.8	1,340	35	7	1	0	39	8
6111	6/21	52° 30.01'	179° 46.00'	229	7.9	0	0	0	0	0	0	24
6112	6/19	52° 39.99'	179° 23.69'	60	7.8	1,977	48	0	0	0	71	0
6113	8/21	51° 20.19'	179° 06.59'	52	8.0	25	2	0	0	0	56	0
6114	8/21	51° 29.55'	178° 36.51'	130	8.0	179	6	0	0	0	8	72
6115	8/21	51° 29.81'	178° 52.25'	45	8.1	71	1	3	1	0	32	0
6116	8/23	51° 40.20'	175° 39.56'	84	8.0	40	1	0	0	0	0	0
6117	8/20	51° 40.00'	178° 05.26'	160	8.0	423	12	0	0	0	0	72
6118	8/20	51° 39.83'	178° 20.58'	87	8.0	1,041	40	58	8	0	24	0
6119	8/23	51° 49.55'	175° 39.71'	50	8.0	121	3	0	0	0	0	0
6120	8/23	51° 50.09'	175° 55.50'	68	8.0	0	0	0	0	0	0	0
6121	8/22	51° 50.13'	177° 32.91'	61	8.0	443	11	0	0	0	40	16
6122	8/22	51° 49.88'	177° 48.99'	60	8.0	1,247	44	41	5	0	55	8
6123	8/20	51° 49.85'	178° 21.58'	157	8.0	1,170	20	14	2	0	65	16
6124	8/23	52° 00.50'	175° 55.72'	54	8.0	30	1	0	0	0	0	0
6125	8/24	51° 59.80'	176° 45.45'	51	8.0	601	14	22	3	0	152	0
6126	8/24	52° 00.50'	177° 16.32'	51	4.1	112	2	0	0	0	0	0
6127	8/22	51° 59.81'	177° 50.00'	62	8.0	755	15	0	0	0	32	0
6128	8/19	51° 59.70'	178° 22.30'	53	8.1	400	7	0	0	0	339	8
6129	8/9	52° 10.86'	173° 46.80'	70	8.0	157	8	16	2	0	64	0
6130	8/15	52° 10.00'	175° 07.50'	93	8.0	49	1	0	0	0	0	32
6131	8/15	52° 10.00'	175° 22.82'	191	8.0	0	0	0	0	0	0	16
6132	8/9	52° 19.51'	173° 29.62'	46	8.0	991	28	112	14	0	48	0
6133	8/9	52° 19.44'	173° 44.29'	30	8.0	522	18	194	23	0	64	0
6134	8/12	52° 19.77'	174° 02.00'	107	8.0	170	7	40	5	0	16	0
6135	8/12	52° 20.42'	174° 17.90'	139	8.0	1,018	32	10	1	0	8	40
6137	8/8	52° 30.57'	172° 56.17'	143	8.0	521	28	28	3	0	0	56
6138	8/10	52° 30.00'	173° 13.26'	62	8.0	748	22	66	8	0	0	0
6139	8/10	52° 30.00'	173° 27.53'	86	7.5	1,908	43	9	1	0	60	0
6140	8/13	52° 29.89'	174° 01.84'	69	8.0	395	11	8	1	0	0	0
6141	8/12	52° 30.02'	174° 18.30'	64	8.0	114	4	8	1	0	8	0
6142	8/14	52° 30.23'	174° 34.15'	181	8.0	1,492	50	0	0	0	0	16

<sup>1</sup> Standard skate = 1,800' groundline, 16/0 circle hooks, 18' spacing.

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

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# 2003 IPHC Stock Assessment Survey

## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
6143	8/14	52° 30.30'	174° 51.35'	160	8.0	4,118	138	64	7	0	8	0
6144	8/8	52° 40.63'	172° 54.23'	64	8.0	1,383	44	55	6	0	40	0
6145	8/10	52° 39.67'	173° 12.78'	53	8.0	516	19	35	5	0	0	0
6146	8/11	52° 40.28'	173° 29.21'	46	8.0	870	29	164	19	0	0	0
6147	8/11	52° 39.84'	173° 44.55'	54	8.0	545	14	71	8	0	0	0
6148	8/13	52° 40.57'	174° 01.01'	39	8.0	118	6	77	11	0	0	0
6149	8/13	52° 39.66'	174° 17.98'	23	8.0	1,128	48	305	37	0	32	0
6150	8/7	52° 50.64'	172° 05.88'	111	8.0	3,378	145	254	29	0	0	8
6151	8/7	52° 50.03'	172° 21.12'	186	8.0	0	0	0	0	8	0	56
6152	8/8	52° 49.38'	172° 38.56'	59	8.0	1,893	62	57	7	0	16	0
6153	8/11	52° 49.37'	173° 44.63'	64	8.0	446	21	10	1	0	0	0
6154	8/6	53° 01.26'	170° 58.21'	164	8.0	0	0	0	0	40	0	8
6155	8/7	53° 00.00'	172° 19.90'	112	8.0	1,183	50	10	1	0	0	40
6156	8/6	53° 09.29'	170° 57.05'	63	8.0	1,068	8	0	0	0	0	0
6157	8/6	53° 19.74'	170° 39.48'	157	8.0	0	0	0	0	24	0	0
7050	7/10	56° 20.12'	171° 19.13'	77	8.0	1,392	56	90	12	0	152	0
7051	7/10	56° 28.95'	171° 35.20'	122	8.0	623	26	63	7	0	150	16
7052	7/10	56° 30.13'	171° 54.96'	172	8.0	462	18	0	0	0	103	0
7053	7/9	56° 40.19'	173° 07.07'	87	8.0	615	26	78	9	0	152	0
7054	7/9	56° 50.10'	173° 25.08'	248	8.0	1,053	34	11	1	55	0	16
7055	7/9	57° 00.53'	173° 24.86'	98	8.0	748	27	18	2	0	70	0
7056	7/8	57° 00.07'	173° 43.27'	263	8.0	292	7	0	0	40	0	16
7057	7/8	57° 10.13'	173° 43.00'	80	8.0	726	20	41	6	0	24	0
7058	7/8	57° 20.31'	173° 42.89'	74	8.0	205	4	47	6	0	24	0
7059	7/3	57° 40.16'	173° 42.91'	74	8.0	177	9	73	13	0	79	0
7060	7/3	57° 49.97'	173° 42.91'	83	8.0	1,010	44	83	12	0	24	0
7061	7/7	58° 20.18'	174° 20.02'	105	8.0	2,104	75	27	3	0	48	0
7062	7/7	58° 20.07'	175° 16.97'	186	8.0	4,750	177	0	0	0	40	0
7063	7/4	58° 30.12'	174° 20.26'	78	8.0	447	19	9	2	0	8	0
7064	7/5	58° 30.07'	175° 18.13'	98	8.0	1,408	59	87	10	0	32	0
7065	7/6	58° 30.09'	175° 36.98'	95	8.0	1,125	42	0	0	0	48	0
7067	7/4	58° 39.93'	174° 20.08'	90	8.0	2,198	88	118	13	0	24	0
7068	7/4	58° 39.99'	174° 38.95'	111	8.0	2,439	91	0	0	0	0	0
7069	7/5	58° 39.93'	174° 58.80'	121	8.0	978	40	0	0	0	0	0
7070	7/5	58° 40.11'	175° 17.98'	124	8.0	1,979	73	32	4	0	64	0
7071	7/6	58° 39.95'	175° 55.95'	76	8.0	78	5	0	0	0	32	0
7072	7/6	58° 40.06'	176° 16.09'	75	8.0	109	3	11	2	0	136	0
7073	6/26	58° 40.05'	177° 13.04'	77	8.0	5,933	143	42	5	0	24	0
7074	6/25	58° 50.12'	177° 32.84'	74	8.0	333	16	36	6	0	8	0
7075	6/25	58° 49.97'	177° 53.14'	236	8.0	3,796	68	0	0	0	0	80
7076	6/25	59° 00.59'	177° 53.98'	74	8.0	1,041	30	47	7	0	24	0
7077	6/24	59° 00.11'	178° 12.84'	117	8.0	1,750	58	59	8	0	24	0
7078	6/22	59° 10.04'	176° 56.02'	79	8.0	3,709	115	152	17	0	112	0
7079	6/23	59° 10.11'	177° 15.99'	81	8.0	1,566	57	105	13	0	87	0
7080	6/23	59° 10.05'	177° 34.88'	89	8.0	797	34	64	8	0	16	0
7081	6/24	59° 10.19'	177° 54.90'	102	8.0	241	10	77	10	0	0	0
7082	6/24	59° 10.09'	178° 13.81'	75	8.0	600	8	60	7	0	0	0
7083	6/22	59° 19.50'	176° 56.88'	79	8.0	2,103	103	248	30	0	198	0
7084	6/22	59° 20.09'	177° 16.84'	86	8.0	1,691	57	154	19	0	102	0
7085	6/23	59° 20.12'	177° 35.95'	143	8.0	296	12	18	2	0	32	0

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## All Regions

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set <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
7086	6/21	59° 30.02'	176° 37.91'	76	8.0	381	17	123	16	0	216	0
7087	6/21	59° 30.09'	176° 58.08'	81	8.0	3,257	159	336	38	0	127	0
7088	6/20	59° 30.04'	177° 17.97'	84	8.0	1,570	62	73	10	0	103	0
7089	6/20	59° 30.21'	177° 36.95'	126	8.0	612	24	34	5	0	104	0
7090	6/18	59° 30.11'	177° 57.23'	210	8.0	6,600	186	39	4	8	0	0
7091	6/18	59° 30.14'	178° 17.01'	143	8.0	6,874	208	21	2	0	20	0
7092	6/21	59° 39.91'	176° 58.99'	84	8.0	294	14	94	12	0	150	0
7093	6/20	59° 39.93'	177° 18.96'	112	7.9	673	33	48	5	0	157	0
7094	6/19	59° 40.00'	177° 38.94'	129	8.0	3,741	114	51	6	0	40	0
7095	6/19	59° 40.06'	177° 58.14'	90	8.0	1,625	74	63	8	0	174	0
7096	6/17	59° 40.14'	178° 17.97'	90	8.0	1,265	66	98	11	0	160	0
7097	6/19	59° 50.02'	177° 59.05'	78	8.0	84	4	36	4	0	104	0
7098	6/17	59° 50.02'	178° 19.02'	79	8.0	461	20	74	8	0	160	0
7099	6/17	59° 50.14'	178° 38.95'	84	8.0	107	8	70	8	0	152	0
<b>1214</b>	<b>Total Stations</b>					<b>1,749,129</b>	<b>75,080</b>	<b>354,056</b>	<b>44,628</b>	<b>35,053</b>	<b>39,878</b>	<b>10,887</b>

<sup>1</sup> Standard skate =1,800' groundline, 16/0 circle hooks, 18' spacing.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample for all areas but 2B.