

# 2009 IPHC Stock Assessment Survey

## Area 4A

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
6002	7/30	52° 30.04'	-169° 57.56'	131	7.0	927	50	363	53	0	55	0
6003	7/30	52° 30.09'	-170° 46.34'	81	7.0	591	36	826	119	0	20	0
6004	7/19	52° 40.02'	-169° 09.12'	59	7.0	858	40	578	83	0	235	10
6005	7/20	52° 39.67'	-169° 25.00'	104	2.3	463	29	125	16	0	19	0
6006	7/31	52° 39.66'	-169° 45.53'	39	7.0	987	52	547	76	0	210	0
6007	7/31	52° 39.84'	-169° 57.95'	153	7.0	1,637	84	125	14	30	75	35
6008	7/29	52° 39.97'	-170° 48.02'	43	7.0	863	39	697	122	0	25	0
6009	7/29	52° 43.10'	-171° 22.00'	89	7.1	2,191	108	388	46	0	0	0
6010	7/19	52° 50.03'	-168° 35.99'	54	7.0	607	29	581	87	0	198	30
6011	7/19	52° 50.03'	-168° 52.02'	28	7.0	2,590	109	529	68	0	95	0
6012	7/27	52° 50.06'	-170° 15.68'	85	7.0	1,471	85	1,015	129	0	120	0
6013	7/28	52° 50.00'	-171° 21.17'	100	7.0	2,099	105	640	92	0	5	0
6014	7/28	52° 49.10'	-171° 35.45'	139	7.0	4,591	207	185	23	0	0	0
6015	7/9	53° 00.00'	-167° 28.60'	102	7.0	11	1	155	31	0	115	0
6016	7/9	53° 00.02'	-167° 45.65'	55	7.0	162	12	520	81	0	193	0
6017	7/8	53° 00.02'	-168° 01.95'	64	7.0	240	13	256	44	0	55	0
6018	7/8	53° 00.09'	-168° 15.98'	52	7.0	295	22	501	79	0	95	0
6019	7/25	53° 00.29'	-169° 08.41'	107	7.0	551	31	123	15	10	125	35
6020	7/27	53° 00.02'	-169° 58.86'	65	7.0	1,049	56	1,214	188	0	25	0
6021	7/27	52° 59.99'	-170° 15.26'	105	7.0	4,150	183	661	80	0	60	0
6022	7/11	53° 09.93'	-166° 56.00'	115	7.0	82	6	145	24	0	65	0
6023	7/10	53° 10.00'	-167° 11.84'	61	7.0	354	17	258	38	0	190	0
6024	7/10	53° 10.02'	-167° 29.07'	50	7.0	421	27	545	77	0	190	0
6025	7/9	53° 10.06'	-167° 46.00'	44	7.0	827	40	473	68	0	190	0
6026	7/8	53° 10.00'	-168° 01.97'	35	7.0	37	3	264	42	0	320	0
6027	7/25	53° 10.02'	-168° 51.86'	112	7.0	923	52	376	47	0	185	0
6028	7/26	53° 10.25'	-169° 43.52'	155	7.0	3,839	163	179	20	35	10	5
6029	7/12	53° 20.01'	-166° 05.21'	264	7.0	0	0	0	0	54	0	25
6030	7/12	53° 20.00'	-166° 22.22'	134	7.1	49	3	155	20	131	5	30
6031	7/11	53° 20.09'	-166° 38.02'	71	7.0	134	10	277	47	0	140	0
6032	7/11	53° 20.00'	-166° 54.99'	52	7.0	464	27	637	99	0	213	0
6033	7/10	53° 20.01'	-167° 12.06'	41	7.0	437	23	536	74	0	50	5
6034	7/25	53° 20.05'	-168° 35.98'	45	7.0	97	6	138	27	0	243	0
6035	7/14	53° 30.02'	-165° 48.20'	115	7.0	63	4	140	18	10	5	5
6036	7/13	53° 30.01'	-166° 04.04'	74	7.0	70	6	333	53	0	30	0
6037	7/13	53° 30.06'	-166° 21.00'	64	7.0	300	21	339	58	0	129	0
6038	7/7	53° 29.83'	-167° 27.97'	44	7.0	587	28	664	114	0	120	0
6039	8/6	53° 40.13'	-164° 38.02'	190	7.0	24	2	50	7	15	0	30
6040	8/5	53° 40.13'	-164° 55.00'	180	7.0	45	3	15	2	15	0	10
6041	8/5	53° 40.01'	-165° 13.23'	192	7.0	0	0	8	1	10	0	40
6042	7/14	53° 40.00'	-165° 30.10'	87	7.0	100	7	297	49	0	95	0
6043	7/14	53° 39.98'	-165° 47.00'	68	7.0	373	29	964	152	0	35	0
6044	7/13	53° 40.02'	-166° 04.12'	48	7.0	228	11	663	110	0	168	0
6045	7/7	53° 40.01'	-167° 10.66'	35	7.0	583	28	561	87	0	173	0
6046	7/7	53° 40.00'	-167° 27.82'	207	7.0	873	51	252	31	35	95	145
6047	8/7	53° 50.01'	-163° 48.23'	49	7.0	741	48	470	58	0	220	45
6048	8/7	53° 49.98'	-164° 05.00'	43	7.0	812	51	473	57	0	285	5
6049	8/6	53° 49.89'	-164° 21.99'	47	7.0	483	32	645	107	0	205	0
6050	8/6	53° 49.97'	-164° 39.01'	55	7.0	233	18	535	91	0	155	0
6051	8/5	53° 49.97'	-164° 56.01'	62	7.1	79	5	202	33	0	91	0

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

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

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

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## Area 4A

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
6052	7/1	53° 49.97'	-165° 12.04'	58	7.0	195	16	560	91	0	125	0
6053	7/15	53° 50.02'	-165° 29.00'	51	7.0	114	9	285	49	0	185	0
6054	7/15	53° 50.00'	-165° 46.08'	42	7.0	27	2	257	46	0	223	0
6055	8/4	53° 49.99'	-166° 02.98'	41	7.0	577	39	602	107	0	40	0
6056	8/4	53° 49.95'	-166° 19.95'	122	7.0	289	17	258	35	0	95	5
6057	8/7	54° 00.00'	-164° 05.84'	40	7.0	677	46	851	117	0	228	5
6058	6/29	54° 00.03'	-164° 21.94'	57	7.1	152	10	337	58	0	126	0
6059	6/30	53° 59.80'	-164° 40.00'	54	7.0	123	9	818	133	0	54	0
6060	6/30	54° 00.01'	-164° 57.45'	43	7.0	276	20	409	63	0	84	0
6061	7/1	54° 00.03'	-165° 12.02'	43	7.0	1,042	65	594	77	0	160	0
6062	7/1	54° 00.17'	-165° 29.02'	39	7.0	412	23	346	48	0	280	0
6063	7/15	53° 59.98'	-165° 46.01'	47	7.0	593	30	761	123	0	65	0
6064	6/29	54° 10.00'	-164° 07.15'	38	7.0	162	10	281	41	0	290	0
6065	6/29	54° 10.01'	-164° 25.09'	48	7.0	89	6	461	80	0	55	0
6066	6/30	54° 08.00'	-164° 42.37'	41	7.0	248	17	289	48	0	228	0
7001	5/31	54° 30.00'	-165° 43.80'	204	7.0	82	6	1,311	186	0	10	5
7002	6/1	54° 30.02'	-166° 18.99'	270	7.0	847	41	46	5	20	0	25
7003	6/4	54° 29.98'	-166° 35.92'	265	7.0	187	8	0	0	5	0	15
7004	6/4	54° 29.93'	-166° 53.01'	262	7.0	307	18	0	0	25	0	20
7007	5/31	54° 39.99'	-165° 43.08'	182	7.0	152	10	1,006	147	0	10	0
7008	6/1	54° 40.13'	-166° 01.00'	179	7.0	152	12	628	83	0	0	0
7009	6/1	54° 40.00'	-166° 18.29'	174	7.0	275	15	222	29	0	0	0
7010	6/2	54° 40.52'	-166° 35.00'	185	7.0	1,102	67	457	51	0	5	5
7011	6/4	54° 40.06'	-166° 52.99'	208	7.0	2,021	115	181	20	0	0	0
7012	6/12	54° 40.00'	-167° 10.00'	248	6.9	1,220	62	11	1	5	0	10
7013	5/30	54° 49.93'	-165° 25.01'	83	7.0	44	3	61	10	0	15	0
7014	5/30	54° 50.01'	-165° 43.16'	84	7.0	53	4	438	69	0	35	0
7015	5/30	54° 50.29'	-165° 59.97'	84	7.0	119	8	172	25	0	35	0
7016	6/2	54° 49.99'	-166° 18.29'	91	7.0	142	9	40	6	0	20	0
7017	6/2	54° 50.00'	-166° 35.12'	108	7.0	275	12	40	5	0	25	0
7018	6/12	54° 50.00'	-166° 52.20'	144	7.0	170	9	32	4	0	25	0
7019	6/12	54° 50.00'	-167° 10.12'	195	7.1	2,558	154	426	46	0	0	0
7021	6/3	55° 00.00'	-166° 33.97'	80	7.0	360	16	78	9	0	50	0
7022	6/3	54° 59.94'	-166° 52.41'	84	7.0	557	25	77	9	0	35	0
7023	6/11	55° 00.02'	-167° 09.24'	96	7.0	487	25	70	8	0	10	0
7024	6/11	55° 00.01'	-167° 27.02'	161	7.0	1,017	58	278	31	0	41	0
7025	6/3	55° 10.00'	-166° 33.90'	77	7.0	411	18	55	7	0	50	0
7026	6/3	55° 10.00'	-166° 51.06'	79	7.0	428	20	148	17	0	84	0
7027	6/11	55° 10.04'	-167° 08.97'	82	7.0	103	6	0	0	0	20	0
7028	6/10	55° 10.05'	-167° 25.99'	88	7.0	370	21	124	15	0	35	0
7029	6/10	55° 10.00'	-167° 44.45'	171	7.0	652	34	267	33	0	35	0
7030	6/10	55° 20.00'	-167° 44.09'	90	7.0	685	39	161	20	0	25	0
7031	6/9	55° 19.96'	-168° 01.00'	203	7.0	1,228	77	333	38	0	10	5
7032	6/9	55° 30.11'	-168° 01.01'	79	7.0	168	9	64	9	0	75	0
7033	6/9	55° 30.01'	-168° 18.89'	135	7.0	193	10	60	7	0	84	0
7034	6/7	55° 40.03'	-168° 37.00'	79	7.0	105	5	68	9	0	90	0
7035	6/7	55° 50.00'	-168° 36.91'	79	7.0	303	12	73	11	0	59	0
7036	6/7	55° 50.11'	-168° 52.25'	161	7.0	553	30	173	21	0	124	45
7037	6/8	55° 59.97'	-168° 19.00'	87	7.0	82	3	97	13	0	35	0
7038	6/8	56° 00.00'	-168° 37.01'	138	7.0	231	12	357	51	0	45	0

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

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						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
7039	6/21	56° 00.00'	-169° 48.16'	145	7.0	112	5	35	5	0	40	0
7040	6/21	56° 00.02'	-170° 06.09'	98	7.0	114	7	76	11	0	85	0
7041	6/15	56° 10.02'	-168° 01.00'	79	7.0	75	4	83	13	0	100	0
7042	6/8	56° 10.06'	-168° 19.00'	90	7.0	22	1	30	5	0	30	0
7043	6/8	56° 10.00'	-168° 37.07'	176	5.5	125	7	64	8	0	32	0
7044	6/17	56° 10.00'	-168° 55.03'	142	7.0	381	23	16	2	0	104	0
7046	6/21	56° 10.00'	-170° 42.06'	76	7.0	324	15	191	27	0	55	0
7047	6/15	56° 20.00'	-168° 01.10'	78	7.0	272	12	132	18	0	69	0
7048	6/15	56° 20.01'	-168° 19.42'	86	7.0	140	9	165	24	0	50	0
7049	6/16	56° 19.89'	-169° 13.00'	75	7.0	86	5	53	7	0	35	0
9501	6/20	56° 19.96'	-169° 27.99'	82	7.0	66	4	76	11	0	60	0
<b>111 Total Effective 4A Stations</b>					<b>Totals</b>	<b>63,923</b>	<b>3,396</b>	<b>36,202</b>	<b>5,299</b>	<b>400</b>	<b>9,314</b>	<b>593</b>

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