

# 2004 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
6001	7/18	52° 29.99'	169° 41.19'	137	6.0	1,597	68	109	13	119	15	0
6002	7/18	52° 30.00'	169° 58.15'	133	6.0	1,571	55	51	8	5	0	0
6003	7/19	52° 30.00'	170° 45.97'	89	6.0	2,043	99	653	85	0	25	0
6004	7/10	52° 39.96'	169° 09.09'	62	6.0	625	35	452	64	0	158	0
6005	7/17	52° 39.70'	169° 24.92'	108	6.0	3,193	95	115	14	0	64	0
6006	7/17	52° 40.02'	169° 44.97'	40	6.0	1,648	60	278	39	0	178	0
6007	7/18	52° 39.69'	169° 58.13'	156	5.8	2,712	55	9	1	10	14	0
6008	7/19	52° 40.05'	170° 48.24'	47	6.0	601	25	383	62	0	64	0
6009	7/20	52° 42.77'	171° 21.99'	93	6.0	709	34	75	9	0	15	0
6010	7/10	52° 49.95'	168° 35.92'	55	6.0	1,151	55	231	29	0	244	0
6011	7/10	52° 49.97'	168° 51.82'	33	6.0	913	22	309	54	0	188	0
6012	7/21	52° 50.02'	170° 16.02'	85	6.0	3,533	177	175	19	0	208	0
6013	7/20	52° 50.00'	171° 21.13'	101	6.0	2,463	120	194	27	0	0	0
6014	7/20	52° 48.64'	171° 35.01'	131	6.0	2,703	134	30	3	0	5	0
6015	7/8	52° 59.99'	167° 29.23'	102	6.0	42	1	105	18	20	121	5
6016	7/8	52° 59.96'	167° 46.06'	56	6.0	513	33	272	38	0	302	0
6017	7/9	53° 00.01'	168° 02.03'	66	6.0	137	10	424	65	0	69	0
6018	7/9	52° 59.91'	168° 16.11'	49	6.0	809	38	456	65	0	267	0
6019	7/11	53° 00.03'	169° 09.02'	123	6.0	344	12	0	0	105	110	15
6020	7/22	53° 00.10'	169° 54.15'	58	5.9	2,326	117	1,134	157	0	15	0
6021	7/21	53° 00.06'	170° 14.97'	105	6.0	5,047	194	120	13	0	193	10
6022	7/6	53° 10.04'	166° 55.99'	114	6.0	123	7	121	17	76	25	0
6023	7/7	53° 09.93'	167° 11.98'	62	6.0	758	44	366	51	0	140	0
6024	7/7	53° 09.99'	167° 28.96'	52	6.0	749	46	590	91	0	84	0
6025	7/8	53° 09.91'	167° 45.92'	45	6.0	448	32	405	55	0	331	5
6026	7/9	53° 09.98'	168° 02.08'	35	6.0	117	7	240	39	0	60	0
6027	7/11	53° 10.05'	168° 51.95'	134	6.0	356	5	26	3	0	87	15
6028	7/22	53° 09.99'	169° 42.05'	174	5.9	3,583	106	36	4	15	98	5
6029	7/2	53° 20.03'	166° 05.22'	264	6.0	0	0	0	0	0	15	24
6030	7/2	53° 20.04'	166° 21.88'	139	6.0	0	0	0	0	124	0	0
6031	7/6	53° 19.99'	166° 38.25'	74	6.0	63	4	46	6	33	119	0
6032	7/6	53° 19.98'	166° 54.98'	52	6.0	1,021	60	646	84	0	68	0
6033	7/7	53° 20.02'	167° 12.02'	43	6.0	454	22	263	36	0	40	0
6034	7/11	53° 20.01'	168° 36.00'	45	6.0	277	11	86	16	0	173	0
6035	7/1	53° 30.02'	165° 48.20'	117	6.0	11	1	9	1	35	15	5
6036	7/1	53° 29.98'	166° 03.93'	74	6.0	203	15	229	33	0	134	0
6037	7/2	53° 29.93'	166° 21.00'	65	6.0	386	26	381	53	0	79	0
6038	7/12	53° 29.99'	167° 27.88'	45	6.0	1,726	39	182	30	0	193	0
6039	6/29	53° 40.02'	164° 38.33'	193	6.0	26	2	0	0	30	0	10
6040	6/30	53° 40.00'	164° 55.12'	185	6.0	0	0	0	0	105	0	10
6041	6/30	53° 39.99'	165° 13.00'	197	6.0	33	2	0	0	65	0	10
6042	6/28	53° 39.98'	165° 30.17'	88	6.0	65	4	68	11	25	39	0
6043	7/1	53° 39.99'	165° 46.80'	69	6.0	406	28	547	76	0	99	0
6044	7/3	53° 39.95'	166° 03.95'	50	6.0	546	23	216	28	0	109	0
6045	7/12	53° 40.01'	167° 11.09'	36	6.0	1,498	68	392	56	0	30	0
6046	7/12	53° 40.02'	167° 28.06'	230	6.0	418	19	39	5	10	24	34
6047	6/23	53° 49.98'	163° 48.20'	50	6.0	1,131	61	356	44	0	315	5
6048	6/23	53° 49.98'	164° 05.00'	44	5.9	1,378	75	303	35	0	292	0
6049	6/29	53° 50.04'	164° 22.00'	48	6.0	853	57	525	74	0	124	0
6050	6/29	53° 50.13'	164° 39.02'	55	6.0	613	41	478	70	0	105	0

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

<sup>2</sup> Weights calculated from length.

<sup>3</sup> Stns 6001- 6066 extrapolated from 20 hook count. Those with \* are actual.

# 2004 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			
6051	6/30	53° 49.98'	164° 56.02'	63	6.0	169	12	264	43	0	129	0			
6052	6/30	53° 49.91'	165° 12.00'	60	6.0	165	10	426	65	15	68	0			
6053	6/28	53° 50.00'	165° 29.07'	51	6.0	221	14	460	73	0	151	0			
6054	6/28	53° 49.99'	165° 46.00'	42	6.0	94	6	193	39	0	109	0			
6055	7/3	53° 49.97'	166° 03.01'	43	6.0	479	30	559	87	0	30	0			
6056	7/3	53° 49.94'	166° 19.96'	122	6.0	998	42	142	17	5	152	5			
6057	6/23	54° 00.03'	164° 05.99'	42	6.0	1,625	85	488	72	0	115	0			
6058	6/24	54° 00.00'	164° 23.02'	57	6.0	122	9	276	42	0	124	0			
6059	6/24	54° 00.01'	164° 40.16'	55	6.0	841	55	693	96	0	117	0			
6060	6/24	54° 00.00'	164° 57.09'	44	6.0	302	20	628	100	0	20	0			
6061	6/1	53° 59.99'	165° 11.82'	41	6.0	2,753	115	259	32	0	123	0			
6062	6/1	54° 00.01'	165° 28.94'	41	6.0	659	30	221	31	0	325	0			
6063	6/1	53° 59.94'	165° 45.63'	49	6.0	1,614	80	427	60	0	134	0			
6064	6/2	54° 10.01'	164° 06.73'	39	6.0	422	25	518	81	0	155	0			
6065	6/2	54° 10.02'	164° 24.78'	49	6.0	63	4	287	54	0	54	0			
6066	6/2	54° 09.02'	164° 41.76'	41	6.0	194	7	123	21	0	124	0			
7001		54° 30.62'	165° 43.85'			Unable to fish this station in 2004									
7002	8/17	54° 30.23'	166° 18.98'	267	6.0	94	3	0	0	23	0	2	*		
7003	8/17	54° 30.15'	166° 35.99'	262	6.0	771	27	0	0	30	0	0	*		
7004	8/17	54° 30.11'	166° 53.01'	260	6.0	537	16	9	1	11	0	4	*		
7006	8/18	54° 40.09'	165° 25.98'	111	6.0	0	0	52	10	0	34	0	*		
7007	8/22	54° 39.87'	165° 42.98'	181	6.1	0	0	0	0	1	0	0	*		
7008	8/22	54° 40.02'	166° 00.98'	178	6.0	17	1	0	0	6	0	0	*		
7009	8/20	54° 40.06'	166° 18.01'	172	6.1	194	11	0	0	2	39	0	*		
7010	8/19	54° 40.05'	166° 34.98'	183	6.0	397	20	9	1	1	3	0	*		
7011	6/12	54° 40.13'	166° 52.92'	207	6.0	2,991	127	11	1	2	0	0	*		
7012	6/12	54° 39.94'	167° 10.09'	247	6.0	1,990	74	9	1	4	0	8	*		
7013	8/18	54° 50.05'	165° 24.98'	82	6.0	37	2	69	12	1	30	0	*		
7014	8/18	54° 49.88'	165° 42.95'	83	5.9	38	3	141	21	0	47	0	*		
7015	8/20	54° 49.97'	165° 59.99'	84	6.0	47	3	28	4	0	33	0	*		
7016	8/19	54° 50.04'	166° 18.02'	89	6.0	0	0	15	2	0	44	0	*		
7017	8/19	54° 50.02'	166° 34.98'	107	6.0	83	4	0	0	0	12	0	*		
7018	6/12	54° 49.99'	166° 52.00'	143	5.8	1,693	84	96	10	0	12	0	*		
7019	6/12	54° 50.02'	167° 10.18'	193	6.0	3,757	184	90	9	1	0	1	*		
7021	6/11	55° 00.00'	166° 34.07'	79	6.0	508	26	40	5	0	14	0	*		
7022	6/11	55° 00.01'	166° 52.02'	83	6.0	1,114	51	36	5	0	16	0	*		
7023	6/10	55° 00.05'	167° 09.14'	95	6.0	962	47	37	4	0	36	0	*		
7024	6/10	54° 59.98'	167° 27.29'	162	6.0	871	43	78	8	3	3	0	*		
7025	6/11	55° 10.04'	166° 34.13'	76	5.9	482	25	41	5	0	10	0	*		
7026	6/11	55° 10.03'	166° 51.11'	78	6.0	918	42	39	4	0	12	0	*		
7027	6/10	55° 10.00'	167° 09.15'	81	6.0	1,044	52	51	7	0	12	0	*		
7028	6/9	55° 10.03'	167° 26.11'	88	6.0	937	50	95	12	0	52	0	*		
7029	6/9	55° 10.02'	167° 44.03'	167	5.9	88	5	25	3	5	37	0	*		
7030	6/9	55° 19.97'	167° 44.19'	90	6.0	303	14	23	3	0	85	0	*		
7031	6/8	55° 19.99'	168° 01.05'	199	6.0	195	11	28	3	4	8	0	*		
7032	6/8	55° 30.00'	168° 01.11'	79	5.9	125	7	80	9	0	136	0	*		
7033	6/8	55° 29.99'	168° 19.27'	138	5.9	14	1	22	3	0	48	0	*		
7034	6/7	55° 40.10'	168° 36.96'	78	5.9	77	3	19	3	0	68	0	*		
7035	6/7	55° 50.06'	168° 36.97'	65	6.0	662	21	44	6	0	26	0	*		
7036	6/7	55° 50.12'	168° 52.00'	142	6.0	152	9	91	10	1	53	0	*		

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

<sup>2</sup> Weights calculated from length.

<sup>3</sup> Stns 6001- 6066 extrapolated from 20 hook count. Those with \* are actual.

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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	
7037	6/5	55° 59.99'	168° 19.19'	86	6.0	167	6	169	23	0	57	0	*
7038	6/5	56° 00.02'	168° 37.03'	138	6.0	334	13	40	5	0	87	0	*
7039	6/3	56° 00.15'	169° 48.42'	132	6.0	17	1	0	0	0	49	0	*
7040	6/3	55° 59.81'	170° 06.21'	105	5.9	11	1	34	4	2	179	0	*
7041	6/4	56° 10.07'	168° 01.00'	78	6.0	43	1	29	4	0	44	0	*
7042	6/5	56° 09.99'	168° 19.16'	90	5.9	24	2	76	12	0	54	0	*
7043	6/5	56° 10.09'	168° 36.97'	175	6.0	1,248	44	39	5	0	42	0	*
7044	6/6	56° 10.16'	168° 55.02'	140	6.0	681	20	0	0	0	82	0	*
7045	6/6	56° 09.84'	169° 31.11'	272	6.0	5,314	167	0	0	16	0	0	*
7046	6/3	56° 10.07'	170° 41.68'	75	6.0	97	2	14	2	0	65	0	*
7047	6/4	56° 20.04'	168° 00.91'	77	6.0	52	4	18	3	0	60	0	*
7048	6/4	56° 20.05'	168° 19.02'	85	6.0	0	0	8	1	0	48	0	*
7049	6/6	56° 20.00'	169° 13.08'	74	6.0	65	1	19	3	0	21	0	*
<b>113</b>	<b>Total Effective Stations</b>				<b>Totals</b>	<b>91,793</b>	<b>4,016</b>	<b>19,815</b>	<b>2,838</b>	<b>907</b>	<b>8,637</b>	<b>173</b>	

\* Denotes bycatch numbers obtained from 100% hook count. All others are extrapolations from 20 hook count.

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

<sup>2</sup> Weights calculated from length.

<sup>3</sup> Stns 6001- 6066 extrapolated from 20 hook count. Those with \* are actual.