

**2013 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
951	North CA	7/23	40° 10.21'	-124° 24.38'	194	6.0	0	0	0	0	69	0	5
952	North CA	7/23	40° 20.10'	-124° 27.00'	57	6.0	312	13	27	3	0	0	0
953	North CA	7/24	40° 29.95'	-124° 27.00'	21	5.9	641	19	0	0	0	0	5
954	North CA	7/24	40° 40.08'	-124° 27.00'	34	6.0	225	8	20	3	0	0	0
955	North CA	7/25	40° 50.09'	-124° 27.00'	167	5.9	0	0	0	0	79	0	5
956	North CA	7/25	41° 00.01'	-124° 13.55'	28	6.0	76	2	0	0	0	0	0
957	North CA	7/25	40° 59.93'	-124° 27.01'	235	6.0	0	0	0	0	5	0	0
958	North CA	7/26	41° 10.13'	-124° 13.56'	35	6.0	291	10	0	0	0	0	0
959	North CA	7/26	41° 21.02'	-124° 13.62'	39	6.0	29	1	0	0	0	0	10
960	North CA	7/26	41° 19.96'	-124° 26.98'	113	6.0	55	2	20	2	30	0	0
961	North CA	7/27	41° 30.02'	-124° 13.55'	30	6.0	77	3	9	1	0	0	0
962	North CA	7/27	41° 30.00'	-124° 27.00'	73	6.0	0	0	0	0	5	0	0
963	North CA	7/27	41° 39.99'	-124° 13.54'	24	2.4	55	1	0	0	0	0	0
964	North CA	7/29	41° 40.02'	-124° 27.00'	87	6.0	95	2	0	0	0	0	0
965	North CA	7/29	41° 50.03'	-124° 27.00'	67	6.0	35	2	0	0	0	0	0
1001	Oregon	7/18	42° 00.09'	-124° 27.00'	52	6.0	0	0	0	0	0	0	0
1002	Oregon	7/18	42° 10.06'	-124° 27.00'	52	5.8	354	16	32	4	0	0	0
1003	Oregon	7/17	42° 20.07'	-124° 41.00'	155	5.9	0	0	0	0	25	0	0
1004	Oregon	7/17	42° 30.06'	-124° 41.00'	64	6.0	465	23	172	20	0	0	0
1005	Oregon	7/16	42° 39.91'	-124° 40.00'	79	6.0	86	3	9	1	0	0	0
1006	Oregon	7/16	42° 49.94'	-124° 40.02'	45	6.0	103	5	30	3	0	0	0
1007	Oregon	7/16	42° 50.03'	-124° 54.00'	215	6.0	0	0	8	1	60	0	0
1008	Oregon	7/15	42° 59.88'	-124° 40.02'	70	5.9	124	5	18	2	0	0	0
1009	Oregon	7/15	42° 59.97'	-124° 54.00'	211	6.0	25	1	0	0	15	0	0
1010	Oregon	7/15	43° 09.88'	-124° 40.00'	81	6.0	77	2	0	0	0	0	5
1011	Oregon	7/14	43° 19.93'	-124° 40.00'	102	6.0	433	17	9	1	0	0	0
1012	Oregon	7/11	43° 29.95'	-124° 26.01'	60	6.0	227	12	0	0	0	0	0
1013	Oregon	7/14	43° 29.89'	-124° 40.00'	200	5.8	17	1	0	0	45	0	0
1014	Oregon	7/11	43° 39.85'	-124° 25.98'	66	6.0	251	11	26	3	0	0	0
1015	Oregon	7/11	43° 39.89'	-124° 40.00'	223	6.0	15	1	0	0	35	0	0
1016	Oregon	7/10	43° 49.93'	-124° 25.99'	66	6.0	82	4	0	0	0	0	0
1017	Oregon	7/9	43° 50.00'	-124° 40.00'	195	6.0	46	2	0	0	45	0	0
1018	Oregon	7/9	43° 59.95'	-124° 25.99'	67	6.0	179	8	17	2	0	0	0
1019	Oregon	7/9	43° 59.98'	-124° 40.02'	74	6.1	33	2	36	4	0	0	0
1020	Oregon	7/8	43° 59.95'	-124° 54.00'	49	6.0	1,451	47	62	8	0	0	50
1021	Oregon	7/7	44° 09.92'	-124° 12.00'	30	6.1	0	0	0	0	0	0	0
1022	Oregon	7/7	44° 09.88'	-124° 26.00'	55	6.0	44	2	10	1	0	0	4
1023	Oregon	7/8	44° 09.88'	-124° 40.00'	64	6.0	594	22	21	3	0	0	0
1024	Oregon	7/8	44° 09.89'	-124° 54.00'	69	6.0	853	26	66	7	0	0	45
1025	Oregon	7/1	44° 19.96'	-124° 12.00'	30	6.0	0	0	0	0	0	0	0
1026	Oregon	7/7	44° 19.89'	-124° 26.01'	49	6.0	83	2	0	0	5	0	0
1027	Oregon	6/30	44° 20.09'	-124° 40.00'	52	6.0	443	16	25	3	0	0	15
1028	Oregon	7/1	44° 29.98'	-124° 12.21'	32	6.0	0	0	0	0	0	0	0
1029	Oregon	6/30	44° 29.94'	-124° 40.00'	110	6.0	114	8	35	4	0	0	0
1030	Oregon	7/2	44° 39.90'	-124° 10.98'	34	6.0	0	0	0	0	0	0	0
1031	Oregon	7/2	44° 39.90'	-124° 25.00'	52	6.1	101	6	103	12	0	0	0
1032	Oregon	6/29	44° 40.03'	-124° 40.02'	160	6.1	152	8	10	1	20	0	0
1033	Oregon	6/28	44° 39.94'	-124° 54.00'	283	6.0	0	0	0	0	15	0	0
1034	Oregon	7/2	44° 49.96'	-124° 11.02'	44	6.0	0	0	8	1	0	0	0
1035	Oregon	6/28	44° 50.00'	-124° 25.00'	82	6.0	275	16	67	8	0	0	0
1036	Oregon	6/29	44° 50.03'	-124° 38.98'	191	6.0	34	2	8	1	45	0	0
1037	Oregon	6/27	45° 00.17'	-124° 11.00'	62	6.0	54	3	39	5	0	0	0
1038	Oregon	6/28	45° 00.02'	-124° 24.98'	148	6.0	476	26	19	2	20	0	0
1039	Oregon	6/28	45° 00.00'	-124° 39.00'	253	6.0	0	0	0	0	35	0	0
1040	Oregon	6/27	45° 10.10'	-124° 11.00'	72	6.0	34	2	8	1	5	0	0
1041	Oregon	6/27	45° 10.05'	-124° 24.99'	203	6.1	0	0	0	0	30	0	0
1042	Oregon	6/22	45° 19.92'	-124° 11.00'	72	6.0	64	4	27	3	0	0	0
1043	Washington	6/22	45° 20.07'	-124° 25.02'	196	6.0	0	0	0	0	35	0	15
1044	Washington	6/21	45° 20.01'	-124° 39.00'	252	6.0	0	0	0	0	35	0	0
1045	Washington	6/22	45° 29.96'	-124° 11.01'	67	6.0	0	0	0	0	0	0	0
1046	Washington	6/21	45° 29.87'	-124° 25.00'	112	6.0	154	10	43	5	15	0	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
1047	Washington	6/21	45° 29.91'	-124° 39.00'	258	6.0	0	0	0	0	35	0	0
1048	Washington	6/20	45° 40.03'	-124° 10.00'	58	6.0	0	0	0	0	0	0	0
1049	Washington	6/20	45° 40.08'	-124° 24.98'	92	6.0	13	1	8	1	0	0	0
1050	Washington	6/19	45° 39.88'	-124° 38.99'	184	6.0	0	0	10	1	45	0	0
1051	Washington	6/20	45° 50.09'	-124° 10.00'	53	6.0	38	3	20	2	0	0	0
1052	Washington	6/19	45° 49.91'	-124° 25.00'	83	6.0	0	0	0	0	0	0	0
1053	Washington	6/19	45° 49.99'	-124° 39.00'	112	6.0	0	0	0	0	50	0	0
1054	Washington	6/17	46° 00.02'	-124° 10.00'	48	6.0	14	1	27	3	0	0	0
1055	Washington	6/17	45° 59.97'	-124° 23.97'	77	6.0	0	0	27	3	0	0	0
1056	Washington	6/18	46° 00.05'	-124° 39.00'	103	6.0	37	2	10	1	10	0	0
1057	Washington	6/18	46° 10.19'	-124° 39.01'	143	6.0	44	2	8	1	30	0	15
1058	Washington	6/14	46° 19.90'	-124° 24.00'	66	6.0	0	0	26	3	0	0	0
1059	Washington	6/14	46° 29.90'	-124° 24.00'	52	6.0	46	3	15	2	0	0	0
1060	Washington	6/12	46° 40.03'	-124° 24.00'	45	6.0	17	1	14	2	0	0	0
1061	Washington	6/12	46° 39.95'	-124° 38.00'	75	6.0	109	7	50	6	5	0	0
1062	Washington	6/12	46° 50.03'	-124° 24.00'	38	6.0	0	0	0	0	0	0	0
1063	Washington	6/13	46° 49.88'	-124° 38.01'	65	6.0	0	0	0	0	0	0	0
1064	Washington	6/13	46° 49.95'	-124° 53.00'	113	5.9	412	23	134	15	69	0	0
1065	Washington	6/11	46° 59.95'	-124° 24.00'	29	6.0	120	7	33	4	0	0	0
1066	Washington	6/11	46° 59.90'	-124° 38.00'	51	5.9	336	19	137	17	0	0	0
1067	Washington	6/13	46° 59.95'	-124° 53.00'	92	6.0	13	1	27	3	0	0	0
1068	Washington	6/11	47° 09.95'	-124° 24.00'	25	6.0	113	4	6	1	0	0	0
1069	Washington	6/10	47° 09.89'	-124° 38.00'	47	6.0	79	6	101	13	0	0	0
1070	Washington	6/10	47° 09.90'	-124° 53.00'	83	6.0	144	8	16	2	5	0	0
1071	Washington	6/10	47° 19.98'	-124° 38.01'	48	6.0	26	2	89	12	0	0	0
1072	Washington	6/9	47° 29.89'	-124° 52.99'	96	6.0	451	27	29	4	35	0	5
1073	Washington	6/9	47° 39.91'	-124° 38.00'	26	6.0	379	17	51	6	0	0	0
1074	Washington	6/1	47° 40.03'	-124° 53.00'	61	6.0	272	15	155	21	2	0	0
1075	Washington	6/1	47° 50.10'	-124° 53.00'	53	5.6	237	15	249	31	0	0	0
1076	Washington	6/1	47° 50.05'	-125° 07.98'	150	6.0	657	35	92	12	10	1	8
1077	Washington	5/31	48° 00.03'	-124° 52.98'	36	6.0	79	4	25	3	0	0	0
1078	Washington	5/31	48° 00.12'	-125° 08.00'	78	6.0	158	9	104	12	0	0	0
1079	Washington	6/2	47° 59.77'	-125° 38.00'	193	6.0	196	8	0	0	8	0	41
1080	Washington	5/31	48° 10.18'	-124° 52.98'	33	6.0	341	18	69	8	0	0	0
1081	Washington	6/3	48° 09.98'	-125° 07.99'	87	6.0	265	19	178	20	7	1	2
1082	Washington	6/3	48° 09.97'	-125° 23.00'	61	6.0	15	1	23	3	0	0	6
1083	Washington	6/4	48° 09.92'	-125° 38.00'	93	6.0	164	8	35	4	1	0	2
1084	Washington	6/3	48° 20.05'	-125° 23.00'	67	6.0	25	1	8	1	0	0	1
1101	Oregon	7/14	43° 19.96'	-124° 26.02'	29	6.0	39	1	17	2	0	0	0
1102	Oregon	7/10	43° 49.94'	-124° 11.99'	19	6.0	39	1	0	0	0	0	0
1103	Oregon	7/10	43° 59.86'	-124° 12.02'	29	6.0	0	0	0	0	0	0	0
1104	Oregon	7/1	44° 29.98'	-124° 26.00'	38	6.0	147	7	0	0	0	0	0
1105	Oregon	6/30	44° 29.99'	-124° 54.00'	242	6.0	0	0	0	0	10	0	0
1107	Washington	6/17	46° 10.11'	-124° 10.03'	31	6.0	241	13	76	9	0	0	0
1108	Washington	6/18	46° 09.86'	-124° 24.01'	67	6.0	11	1	21	2	0	0	0
1115	Washington	6/9	47° 29.87'	-124° 38.00'	37	6.0	151	10	59	7	0	0	0
1126	Washington	5/30	48° 19.20'	-124° 23.14'	33	6.0	77	4	93	13	0	2	0
1517	Washington	6/5	48° 19.93'	-124° 53.00'	110	6.0	365	20	48	5	5	0	4
1519	Washington	6/5	48° 19.97'	-125° 08.00'	72	6.0	175	9	27	3	0	0	1
1525	Washington	6/5	48° 30.00'	-124° 53.30'	50	6.0	298	16	217	26	0	0	0
2001	Vancouver	5/31	48° 20.08'	-125° 38.07'	76	6.0	15	1	10	1	0	0	0
2002	Vancouver	5/31	48° 19.95'	-125° 49.91'	92	5.9	218	15	8	1	0	0	0
2003	Vancouver	5/30	48° 30.01'	-125° 22.68'	78	5.9	55	3	27	3	5	0	0
2004	Vancouver	5/31	48° 29.98'	-125° 38.23'	55	6.0	448	29	415	51	5	0	0
2005	Vancouver	5/31	48° 29.95'	-125° 52.66'	58	6.0	51	2	10	1	0	0	5
2006	Vancouver	6/1	48° 29.96'	-126° 07.88'	109	5.8	658	33	107	13	84	0	0
2007	Vancouver	5/30	48° 39.91'	-125° 07.24'	34	6.0	277	16	55	7	0	0	10
2008	Vancouver	5/30	48° 40.05'	-125° 23.09'	35	5.9	689	29	101	12	0	0	0
2009	Vancouver	5/29	48° 40.00'	-125° 38.19'	66	5.9	131	8	27	3	5	0	0
2010	Vancouver	6/1	48° 39.98'	-125° 53.39'	40	6.0	264	15	321	44	0	0	0
2011	Vancouver	6/1	48° 40.05'	-126° 08.04'	78	5.9	42	3	36	4	5	0	0

1 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
2012	Vancouver	5/29	48° 49.99'	-125° 37.00'	24	6.0	380	13	43	5	0	0	10
2013	Vancouver	5/29	48° 50.03'	-125° 52.92'	32	6.0	840	42	243	27	0	0	5
2014	Vancouver	6/4	48° 50.32'	-126° 08.04'	57	5.9	0	0	0	0	0	0	0
2015	Vancouver	6/4	48° 49.99'	-126° 23.09'	97	5.9	200	10	20	3	30	0	5
2016	Vancouver	6/4	49° 00.11'	-126° 07.94'	37	6.0	329	24	342	42	0	0	0
2017	Vancouver	6/5	48° 59.87'	-126° 22.74'	74	5.8	0	0	0	0	0	0	0
2018	Vancouver	6/5	49° 00.06'	-126° 38.03'	114	5.9	300	19	100	13	55	0	5
2019	Vancouver	6/6	49° 10.03'	-126° 22.98'	46	5.9	50	4	353	48	0	0	0
2020	Vancouver	6/5	49° 09.92'	-126° 37.86'	67	6.0	31	2	0	0	0	0	0
2021	Vancouver	6/7	49° 09.77'	-126° 53.09'	96	5.9	251	13	109	14	0	0	5
2023	Vancouver	6/6	49° 19.98'	-126° 22.64'	21	6.0	203	11	122	15	0	0	0
2024	Vancouver	6/6	49° 20.01'	-126° 37.91'	36	6.0	460	19	30	4	0	0	40
2025	Vancouver	6/7	49° 19.87'	-126° 52.84'	75	5.9	0	0	6	1	0	0	0
2026	Vancouver	6/7	49° 20.11'	-127° 08.88'	99	5.9	547	30	65	8	35	0	0
2027	Vancouver	6/8	49° 29.97'	-126° 38.09'	22	6.0	503	26	39	4	0	0	0
2028	Vancouver	6/8	49° 30.04'	-126° 52.75'	47	5.9	64	4	63	10	0	0	0
2029	Vancouver	6/8	49° 29.97'	-127° 08.68'	77	6.0	57	3	50	7	0	0	0
2030	Vancouver	6/9	49° 40.08'	-127° 09.04'	62	6.0	52	4	104	12	0	15	0
2031	Vancouver	6/9	49° 39.91'	-127° 23.09'	95	6.0	179	8	30	3	0	0	5
2032	Vancouver	6/9	49° 50.03'	-127° 23.98'	41	6.0	150	9	214	26	0	0	0
2033	Vancouver	6/12	49° 50.08'	-127° 39.86'	92	6.0	21	1	32	4	5	0	0
2034	Vancouver	6/12	50° 00.11'	-127° 40.22'	47	6.0	253	17	430	53	0	0	0
2035	Vancouver	6/13	50° 20.00'	-128° 11.09'	88	6.0	502	22	120	15	0	0	35
2037	Vancouver	6/13	50° 30.08'	-128° 26.91'	101	6.0	689	31	122	17	20	0	25
2038	Vancouver	6/14	50° 40.02'	-128° 28.15'	47	5.9	229	14	213	30	0	0	5
2039	Vancouver	6/14	50° 39.96'	-128° 43.94'	104	5.9	57	2	29	4	40	0	10
2040	Vancouver	6/14	50° 50.06'	-128° 27.67'	31	6.0	1,652	64	414	52	0	0	5
2041	Vancouver	6/22	51° 00.03'	-127° 57.06'	62	5.9	36	2	134	20	0	0	0
2042	Vancouver	6/23	51° 00.03'	-128° 13.43'	54	6.0	13	1	73	9	5	0	0
2043	Vancouver	6/22	51° 10.12'	-127° 55.99'	67	5.9	356	25	394	54	0	0	0
2044	Goose Is.	6/15	50° 50.09'	-128° 59.66'	48	6.0	480	15	77	12	0	0	10
2045	Goose Is.	6/15	50° 49.96'	-129° 16.04'	67	6.0	77	5	143	20	0	0	0
2046	Goose Is.	6/23	51° 00.07'	-128° 27.63'	51	6.0	163	11	121	18	0	0	0
2047	Goose Is.	6/17	51° 00.00'	-128° 44.41'	36	6.0	464	21	222	29	0	0	0
2048	Goose Is.	6/15	50° 59.91'	-129° 00.39'	45	6.0	78	4	371	50	0	0	0
2049	Goose Is.	6/15	50° 59.88'	-129° 15.88'	86	6.0	164	9	196	25	5	0	0
2050	Goose Is.	6/16	50° 59.92'	-129° 31.73'	129	5.9	365	17	49	6	20	0	69
2051	Goose Is.	6/23	51° 09.98'	-128° 12.39'	56	6.0	595	19	86	11	0	0	5
2052	Goose Is.	6/23	51° 10.06'	-128° 28.06'	105	6.0	261	18	196	23	0	0	0
2053	Goose Is.	6/17	51° 09.91'	-128° 43.94'	53	6.0	148	12	663	91	0	0	0
2054	Goose Is.	6/17	51° 10.13'	-128° 59.83'	73	6.0	283	17	311	40	0	0	0
2055	Goose Is.	6/16	51° 10.12'	-129° 16.14'	150	6.0	709	28	26	3	21	0	16
2056	Goose Is.	6/16	51° 10.06'	-129° 31.70'	156	6.0	719	44	165	21	60	0	0
2057	Goose Is.	6/22	51° 20.05'	-127° 55.06'	76	5.9	91	5	87	12	0	0	0
2058	Goose Is.	6/24	51° 19.95'	-128° 11.11'	44	6.0	59	5	169	24	0	0	0
2059	Goose Is.	6/24	51° 20.02'	-128° 26.85'	81	6.0	50	4	147	18	0	0	0
2060	Goose Is.	6/30	51° 19.99'	-128° 43.06'	114	6.0	426	27	149	17	20	0	5
2061	Goose Is.	6/30	51° 19.93'	-128° 58.77'	134	6.0	609	37	203	22	40	0	15
2062	Goose Is.	7/2	51° 20.02'	-129° 15.44'	128	6.0	779	57	522	59	25	0	5
2063	Goose Is.	7/2	51° 19.99'	-129° 30.75'	113	6.0	620	34	186	23	15	0	10
2064	Goose Is.	7/3	51° 20.18'	-129° 46.42'	129	6.0	460	21	105	14	100	0	10
2065	Goose Is.	6/24	51° 29.98'	-128° 11.38'	46	6.0	275	14	233	30	0	0	74
2066	Goose Is.	6/24	51° 29.99'	-128° 26.88'	101	6.0	155	7	34	4	20	0	0
2067	Goose Is.	6/30	51° 29.72'	-128° 42.56'	62	5.9	298	22	333	42	0	0	0
2068	Goose Is.	6/30	51° 30.00'	-128° 59.26'	24	5.9	666	37	303	36	0	0	5
2069	Goose Is.	7/2	51° 29.90'	-129° 15.02'	25	6.0	992	44	406	51	0	0	25
2070	Goose Is.	7/2	51° 29.98'	-129° 30.72'	54	6.0	2,633	92	486	59	0	0	65
2071	Goose Is.	7/3	51° 29.91'	-129° 47.00'	92	6.0	2,068	85	167	22	5	0	69
2072	Goose Is.	7/3	51° 30.13'	-130° 02.77'	145	6.0	1,046	42	62	8	40	0	45
2073	Goose Is.	6/25	51° 40.07'	-128° 25.73'	78	6.0	240	12	80	10	0	0	5
2074	Goose Is.	7/1	51° 39.97'	-128° 59.17'	27	6.0	167	9	245	33	0	0	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
2075	Goose Is.	7/1	51° 39.94'	-129° 14.62'	32	6.0	71	5	46	5	0	0	0
2076	Goose Is.	7/4	51° 39.91'	-129° 30.87'	52	6.0	76	6	71	9	0	0	0
2077	Goose Is.	7/4	51° 39.75'	-129° 46.30'	122	6.0	1,176	53	179	23	70	0	35
2078	Goose Is.	6/25	51° 49.97'	-128° 26.19'	73	6.0	330	14	302	40	0	0	5
2079	Goose Is.	6/25	51° 50.03'	-128° 41.88'	58	6.0	359	28	600	76	0	0	0
2080	Goose Is.	7/1	51° 49.91'	-128° 57.76'	44	6.0	553	36	314	36	0	0	15
2081	Goose Is.	6/27	51° 49.90'	-129° 14.49'	67	6.0	128	9	76	9	0	0	0
2082	Goose Is.	6/27	51° 49.98'	-129° 30.77'	139	6.0	84	4	12	2	21	0	47
2083	Goose Is.	6/26	52° 00.10'	-128° 42.02'	90	6.0	330	13	74	9	0	0	20
2084	Goose Is.	6/26	51° 59.95'	-128° 57.88'	70	6.0	797	35	340	42	0	0	0
2085	Goose Is.	6/27	51° 59.95'	-129° 13.82'	97	6.0	45	3	15	2	0	0	0
2086	Goose Is.	6/26	52° 09.97'	-128° 41.06'	120	6.0	284	9	48	6	10	0	35
2087	St. James	7/19	51° 40.08'	-130° 03.00'	190	6.0	234	9	31	4	55	0	45
2088	St. James	7/19	51° 39.94'	-130° 19.00'	138	6.0	2,740	101	104	12	35	0	15
2089	St. James	7/20	51° 49.99'	-129° 47.00'	139	6.0	88	4	29	4	10	0	25
2090	St. James	7/19	51° 50.17'	-130° 03.00'	98	6.0	1,502	64	246	29	20	0	30
2091	St. James	7/19	51° 50.02'	-130° 19.01'	115	6.0	2,418	103	197	25	25	0	30
2092	St. James	7/18	51° 50.08'	-130° 35.00'	160	6.0	1,009	56	313	35	35	0	10
2093	St. James	7/18	51° 50.09'	-130° 52.00'	101	6.0	2,391	62	62	8	10	0	155
2094	St. James	7/20	51° 58.49'	-129° 26.11'	116	6.0	132	7	54	6	20	0	0
2095	St. James	7/20	51° 59.95'	-129° 47.00'	61	6.0	715	21	366	47	0	0	50
2096	St. James	7/21	52° 00.04'	-130° 03.00'	75	6.0	528	28	502	67	0	0	0
2097	St. James	7/21	52° 00.01'	-130° 19.09'	189	6.0	316	9	29	4	45	0	0
2098	St. James	7/18	52° 00.00'	-130° 34.80'	141	6.0	918	44	207	29	25	0	0
2099	St. James	7/18	52° 00.01'	-130° 52.00'	103	6.0	554	29	104	13	0	0	0
2100	St. James	7/8	52° 10.00'	-128° 57.00'	88	6.0	244	18	257	30	0	0	50
2101	St. James	7/8	52° 09.91'	-129° 14.00'	92	6.0	103	5	22	3	0	0	10
2102	St. James	7/9	52° 09.81'	-129° 30.00'	113	6.0	119	4	5	1	10	0	25
2103	St. James	7/9	52° 09.91'	-129° 46.00'	110	6.0	138	5	35	4	15	5	0
2104	St. James	7/21	52° 09.93'	-130° 03.00'	87	6.0	253	19	208	25	0	0	0
2105	St. James	7/21	52° 10.38'	-130° 19.01'	217	6.0	232	5	0	0	80	0	0
2106	St. James	7/17	52° 10.00'	-130° 34.98'	105	6.0	2,315	76	55	7	5	0	10
2107	St. James	7/17	52° 09.94'	-130° 52.00'	121	6.0	714	29	38	5	40	0	0
2108	St. James	7/8	52° 19.98'	-129° 13.00'	81	6.0	691	37	110	12	0	0	50
2109	St. James	7/9	52° 19.88'	-129° 30.00'	96	6.0	509	18	32	4	10	0	15
2110	St. James	7/9	52° 19.95'	-129° 46.00'	113	6.0	822	32	32	4	0	0	60
2111	St. James	7/22	52° 20.00'	-130° 02.88'	123	6.0	917	28	26	3	0	0	0
2112	St. James	7/22	52° 20.05'	-130° 19.00'	190	6.0	302	8	10	2	71	0	25
2113	St. James	7/17	52° 19.96'	-130° 35.00'	91	6.0	748	27	46	5	5	0	5
2114	St. James	7/17	52° 20.00'	-130° 52.17'	79	6.0	1,334	76	349	39	5	0	0
2115	St. James	7/23	52° 29.91'	-129° 32.00'	55	6.0	359	10	163	19	0	0	5
2116	St. James	7/23	52° 31.79'	-129° 47.36'	98	6.0	679	25	45	5	10	5	15
2117	St. James	7/22	52° 30.00'	-130° 02.21'	144	6.0	1,007	30	8	1	15	0	5
2118	St. James	7/22	52° 30.00'	-130° 19.00'	137	6.0	646	18	10	1	15	0	5
2119	St. James	7/10	52° 29.84'	-130° 35.00'	66	6.0	845	34	74	9	0	0	25
2120	St. James	7/10	52° 29.86'	-130° 52.00'	58	6.0	639	27	285	38	0	0	5
2121	St. James	7/23	52° 39.90'	-129° 46.00'	102	6.0	226	8	23	3	35	0	35
2122	St. James	8/8	52° 39.98'	-130° 02.00'	144	6.0	270	8	0	0	59	0	15
2123	St. James	8/8	52° 40.00'	-130° 19.16'	117	6.0	941	25	21	3	30	0	30
2124	St. James	7/10	52° 39.74'	-130° 35.00'	82	6.0	1,176	37	53	6	5	0	35
2125	St. James	8/8	52° 49.97'	-130° 02.05'	140	6.0	74	4	0	0	70	0	10
2126	St. James	8/8	52° 49.91'	-130° 19.00'	112	6.0	433	13	0	0	40	0	15
2127	St. James	8/7	53° 00.00'	-129° 45.00'	123	6.0	90	4	43	6	25	0	35
2128	St. James	8/7	52° 59.91'	-130° 02.00'	101	6.0	472	12	15	2	25	0	25
2129	Charlotte	7/11	52° 29.88'	-131° 08.00'	48	6.0	634	44	154	19	0	0	0
2130	Charlotte	7/11	52° 29.94'	-131° 25.00'	76	6.0	447	17	36	4	0	0	15
2131	Charlotte	7/10	52° 39.89'	-130° 52.00'	51	6.0	762	47	433	56	0	0	0
2132	Charlotte	7/11	52° 40.01'	-131° 08.00'	40	6.0	899	31	103	15	0	0	0
2133	Charlotte	7/12	52° 49.89'	-130° 35.00'	63	6.0	130	9	51	6	0	0	15
2134	Charlotte	7/12	52° 49.80'	-130° 52.00'	29	6.0	456	17	65	7	0	0	5
2135	Charlotte	8/7	53° 00.04'	-130° 18.00'	112	6.0	590	23	13	2	40	0	5

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3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
2136	Charlotte	7/12	53° 00.05'	-130° 35.00'	50	6.0	214	13	112	14	0	0	0
2137	Charlotte	7/13	53° 09.93'	-130° 18.00'	82	6.0	929	18	49	5	10	0	5
2138	Charlotte	7/13	53° 09.79'	-130° 34.99'	102	6.0	84	4	0	0	0	0	0
2139	Charlotte	7/14	53° 10.14'	-130° 52.00'	58	6.0	201	9	27	3	0	0	0
2140	Charlotte	7/13	53° 20.02'	-130° 18.00'	55	6.0	2,092	105	446	53	0	0	0
2141	Charlotte	7/13	53° 19.86'	-130° 35.00'	44	6.0	454	30	258	31	0	0	10
2142	Charlotte	7/14	53° 19.87'	-130° 52.00'	75	6.0	619	28	42	5	10	0	0
2143	Charlotte	7/29	53° 20.01'	-132° 49.00'	74	6.0	1,039	25	192	26	0	0	70
2144	Charlotte	7/29	53° 20.19'	-133° 06.00'	124	6.0	1,341	46	29	3	20	0	10
2145	Charlotte	7/14	53° 29.88'	-130° 52.00'	51	6.0	550	37	230	28	0	0	0
2146	Charlotte	7/29	53° 30.20'	-133° 06.00'	208	6.0	318	10	9	1	85	0	110
2147	Charlotte	8/9	53° 39.83'	-130° 35.00'	17	6.0	486	22	105	14	0	0	0
2148	Charlotte	8/9	53° 39.80'	-130° 52.00'	26	6.0	367	23	431	54	0	0	0
2149	Charlotte	7/29	53° 39.81'	-133° 07.00'	80	6.0	1,217	51	244	31	0	0	55
2150	Charlotte	8/9	53° 49.87'	-130° 52.00'	46	6.0	701	47	252	30	10	0	0
2151	Charlotte	7/30	54° 00.00'	-133° 25.00'	42	6.0	1,842	55	179	21	0	0	45
2152	Charlotte	8/2	54° 10.10'	-130° 35.00'	59	5.9	83	4	10	1	0	0	5
2153	Charlotte	8/4	54° 10.12'	-132° 00.25'	39	5.9	474	32	679	90	0	15	0
2154	Charlotte	8/1	54° 09.98'	-132° 17.00'	50	6.0	235	16	431	60	5	0	0
2155	Charlotte	8/1	54° 10.04'	-132° 34.00'	45	6.0	71	3	354	48	0	5	0
2156	Charlotte	7/31	54° 10.19'	-133° 09.02'	39	5.9	603	23	239	29	0	0	25
2157	Charlotte	7/30	54° 10.07'	-133° 26.00'	219	6.0	422	19	51	7	30	0	10
2158	Charlotte	8/2	54° 20.09'	-130° 34.98'	47	5.9	12	1	46	7	5	0	5
2159	Charlotte	8/10	54° 19.98'	-131° 09.00'	35	6.0	521	34	765	99	0	10	0
2160	Charlotte	8/10	54° 20.18'	-131° 26.00'	97	5.9	760	46	208	24	20	5	50
2161	Charlotte	8/3	54° 20.00'	-131° 42.75'	102	6.0	989	64	511	59	0	0	5
2162	Charlotte	8/4	54° 20.18'	-132° 01.45'	132	5.9	639	23	52	6	75	5	0
2163	Charlotte	8/4	54° 20.13'	-132° 18.00'	119	6.0	879	30	69	10	60	15	25
2164	Charlotte	8/1	54° 20.00'	-132° 34.80'	142	6.0	254	10	21	2	30	0	40
2165	Charlotte	7/31	54° 20.00'	-132° 51.79'	215	5.9	1,025	27	6	1	90	0	15
2166	Charlotte	7/31	54° 20.01'	-133° 08.70'	255	5.9	1,681	45	25	3	40	0	10
2167	Charlotte	7/30	54° 20.13'	-133° 26.00'	123	6.0	3,585	114	71	8	10	0	95
2168	Charlotte	7/30	54° 20.04'	-133° 43.00'	136	6.0	1,003	53	272	34	5	0	0
2169	Charlotte	8/2	54° 30.01'	-130° 35.00'	61	5.9	0	0	17	2	0	0	0
2170	Charlotte	8/10	54° 30.12'	-131° 09.00'	77	5.9	1,550	100	314	36	10	5	0
2171	Charlotte	8/3	54° 29.99'	-131° 26.00'	63	6.0	1,219	46	207	26	5	10	15
2172	Charlotte	8/3	54° 30.00'	-131° 44.24'	183	6.0	169	6	0	0	45	0	0
3001	Ketchikan	6/3	54° 29.99'	-132° 00.95'	151	6.0	1,436	50	44	5	115	0	25
3002	Ketchikan	6/4	54° 29.99'	-132° 17.71'	195	6.1	794	33	56	8	86	0	30
3003	Ketchikan	6/4	54° 29.99'	-132° 34.78'	207	6.1	622	21	68	9	116	0	5
3005	Ketchikan	7/16	54° 30.01'	-133° 09.96'	104	6.0	1,677	66	115	15	0	15	130
3006	Ketchikan	7/16	54° 30.00'	-133° 26.98'	164	2.8	703	19	45	7	21	0	17
3007	Ketchikan	7/16	54° 30.06'	-133° 44.03'	139	6.0	1,468	52	146	19	0	15	5
3008	Ketchikan	5/30	54° 40.00'	-130° 49.95'	156	5.9	460	15	8	1	10	0	5
3009	Ketchikan	5/30	54° 40.06'	-131° 08.43'	117	6.0	458	29	200	25	45	5	0
3010	Ketchikan	5/30	54° 40.01'	-131° 25.06'	126	6.0	292	20	118	14	66	0	30
3011	Ketchikan	6/3	54° 40.01'	-131° 41.84'	224	6.0	408	20	19	3	65	0	15
3012	Ketchikan	6/3	54° 40.00'	-131° 59.02'	105	5.9	1,157	55	308	35	5	5	10
3013	Ketchikan	6/4	54° 39.98'	-132° 16.98'	59	6.0	1,828	53	222	28	0	25	15
3014	Ketchikan	6/5	54° 39.98'	-132° 33.87'	103	6.0	449	13	74	10	0	10	0
3015	Ketchikan	6/5	54° 39.96'	-132° 50.84'	74	6.1	989	37	283	37	0	20	0
3016	Ketchikan	7/14	54° 39.97'	-133° 08.98'	127	6.0	1,386	38	73	11	35	10	65
3017	Ketchikan	7/14	54° 40.00'	-133° 26.08'	165	6.0	1,443	25	125	20	94	0	35
3018	Ketchikan	7/15	54° 40.52'	-133° 42.94'	132	6.0	1,359	44	142	19	5	15	30
3019	Ketchikan	7/15	54° 39.95'	-133° 59.97'	123	6.0	1,469	56	299	36	45	5	10
3020	Ketchikan	5/31	54° 50.01'	-131° 07.11'	136	6.1	822	32	143	18	15	0	0
3021	Ketchikan	5/29	54° 50.14'	-131° 42.03'	245	6.0	416	20	27	4	155	0	5
3022	Ketchikan	6/5	54° 49.99'	-132° 33.94'	181	6.0	697	30	95	12	35	5	20
3023	Ketchikan	7/14	54° 50.02'	-133° 09.04'	109	6.0	1,238	39	97	12	0	0	30
3024	Ketchikan	7/14	54° 49.97'	-133° 26.16'	66	6.0	442	33	775	99	0	0	0
3025	Ketchikan	7/15	54° 50.00'	-133° 42.97'	75	6.0	1,565	87	902	104	0	20	40

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**2013 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
3026	Ketchikan	7/13	54° 50.02'	-134° 00.88'	105	6.0	1,049	36	136	16	0	10	25
3027	Ketchikan	5/31	54° 59.98'	-131° 06.10'	135	6.1	626	25	82	10	5	0	5
3028	Ketchikan	5/29	54° 59.89'	-131° 41.04'	120	6.0	789	39	339	43	30	0	30
3029	Ketchikan	6/6	54° 59.98'	-133° 25.96'	48	6.0	1,054	34	441	59	0	5	25
3030	Ketchikan	6/6	55° 00.00'	-133° 43.03'	57	6.0	1,260	43	1,121	154	0	5	0
3031	Ketchikan	5/31	55° 09.98'	-131° 05.98'	92	6.0	434	12	96	13	0	5	25
3032	Ketchikan	5/29	55° 09.97'	-131° 40.98'	70	6.0	77	3	29	4	0	5	0
3033	Ketchikan	5/28	55° 09.91'	-131° 55.95'	172	6.0	1,219	52	167	21	20	0	20
3034	Ketchikan	6/6	55° 09.99'	-133° 26.16'	42	6.0	1,062	35	183	25	0	0	60
3035	Ketchikan	5/28	55° 19.86'	-131° 57.95'	223	6.0	55	3	0	0	10	0	5
3036	Ketchikan	5/28	55° 29.00'	-131° 57.98'	152	6.0	312	13	36	4	40	5	35
3037	Ketchikan	5/27	55° 39.86'	-132° 15.01'	218	6.0	665	23	59	8	35	0	5
3038	Ketchikan	5/27	55° 44.94'	-132° 27.00'	140	6.0	377	15	62	7	15	15	25
3039	Ketchikan	5/27	55° 49.99'	-132° 15.09'	127	6.0	888	26	63	8	5	35	10
3040	Ketchikan	5/26	56° 00.06'	-132° 31.95'	118	6.0	1,330	41	80	12	0	5	10
3041	Ketchikan	5/26	56° 00.90'	-132° 44.83'	195	6.0	124	7	42	5	10	0	5
3042	Ketchikan	5/26	56° 10.97'	-132° 49.89'	76	6.0	506	21	20	3	0	25	5
3043	Ommaney	7/13	55° 00.01'	-134° 01.19'	83	6.0	1,616	73	416	51	0	5	10
3044	Ommaney	7/13	55° 00.00'	-134° 17.93'	117	6.0	2,234	87	195	22	30	15	15
3045	Ommaney	6/6	55° 10.00'	-133° 43.15'	86	6.0	1,830	131	1,110	126	0	5	0
3046	Ommaney	6/7	55° 10.03'	-134° 01.12'	93	6.0	1,201	67	559	75	0	15	30
3047	Ommaney	6/7	55° 19.96'	-133° 44.02'	40	6.0	314	17	717	112	0	0	0
3048	Ommaney	6/7	55° 19.98'	-134° 00.71'	63	6.0	457	34	1,448	200	0	0	0
3049	Ommaney	7/12	55° 20.01'	-134° 18.81'	102	6.0	1,666	70	189	24	10	0	99
3050	Ommaney	7/12	55° 19.77'	-134° 35.93'	112	6.0	1,254	54	143	19	15	0	64
3051	Ommaney	6/8	55° 30.02'	-134° 01.13'	50	6.0	990	37	806	117	0	0	15
3052	Ommaney	6/8	55° 30.02'	-134° 19.07'	90	6.0	1,027	53	417	56	0	10	20
3053	Ommaney	7/12	55° 29.99'	-134° 36.78'	111	6.0	1,807	81	248	30	40	5	5
3054	Ommaney	7/12	55° 30.02'	-134° 54.12'	158	6.0	1,662	71	123	14	20	15	10
3055	Ommaney	6/8	55° 39.98'	-134° 01.11'	106	6.0	237	9	24	3	0	0	0
3056	Ommaney	6/8	55° 40.00'	-134° 19.13'	114	6.0	1,366	64	147	19	10	0	5
3057	Ommaney	6/28	55° 39.99'	-134° 36.75'	113	6.0	2,387	99	115	15	10	15	5
3058	Ommaney	6/28	55° 40.02'	-134° 54.97'	110	6.0	1,425	47	178	23	75	20	65
3059	Ommaney	7/8	55° 50.01'	-133° 25.71'	37	6.0	543	26	37	5	0	0	10
3060	Ommaney	7/8	55° 49.98'	-133° 43.95'	61	6.0	764	20	33	4	0	0	30
3061	Ommaney	7/8	55° 50.00'	-134° 01.93'	149	6.1	1,371	48	28	4	30	5	15
3062	Ommaney	6/28	55° 50.06'	-134° 37.10'	81	6.0	1,562	47	177	25	5	5	25
3063	Ommaney	6/28	55° 50.03'	-134° 54.80'	102	6.0	2,561	78	302	41	0	0	0
3064	Ommaney	6/29	55° 50.08'	-135° 13.05'	125	6.0	1,705	66	239	32	50	15	80
3065	Ommaney	7/8	55° 54.95'	-133° 34.98'	37	6.0	849	33	80	9	0	0	40
3066	Ommaney	7/7	56° 00.14'	-134° 02.05'	55	6.0	991	44	367	45	0	5	0
3067	Ommaney	7/7	56° 00.04'	-134° 20.12'	52	6.0	2,601	57	266	36	0	20	35
3068	Ommaney	7/7	55° 59.99'	-134° 38.14'	206	6.0	3,334	82	85	12	125	0	5
3069	Ommaney	6/29	56° 00.00'	-134° 55.00'	197	6.0	1,051	29	28	4	140	0	35
3070	Ommaney	6/29	56° 00.03'	-135° 12.86'	202	6.0	980	25	49	7	125	0	40
3071	Ommaney	7/9	56° 09.98'	-133° 43.98'	180	6.0	611	33	120	15	30	5	5
3072	Ommaney	7/6	56° 09.90'	-134° 20.00'	70	6.0	2,236	73	158	20	0	10	5
3073	Ommaney	7/5	56° 09.90'	-134° 37.97'	139	6.0	1,068	33	105	14	60	10	20
3074	Ommaney	7/5	56° 10.02'	-134° 56.12'	100	6.0	2,579	112	325	42	60	0	0
3075	Ommaney	6/30	56° 09.97'	-135° 13.73'	155	6.0	512	16	32	5	95	0	0
3076	Ommaney	7/9	56° 20.02'	-133° 43.89'	106	6.1	1,541	38	28	3	0	25	40
3077	Ommaney	7/6	56° 20.01'	-134° 20.03'	79	6.0	1,133	36	198	27	0	10	25
3078	Ommaney	7/5	56° 20.01'	-134° 55.97'	53	6.1	1,014	21	90	12	5	15	61
3079	Ommaney	6/30	56° 19.98'	-135° 13.97'	87	6.0	1,243	53	397	57	0	20	10
3080	Ommaney	6/30	56° 20.02'	-135° 31.97'	110	6.0	1,111	45	153	21	10	5	5
3081	Ommaney	7/9	56° 29.01'	-133° 43.86'	46	6.0	1,243	33	94	13	5	0	5
3082	Ommaney	7/6	56° 29.97'	-134° 20.05'	55	6.1	1,297	58	520	67	0	0	5
3083	Sitka	7/1	56° 30.02'	-135° 14.95'	59	6.0	1,278	41	236	35	0	10	0
3084	Sitka	7/1	56° 30.02'	-135° 33.04'	86	6.0	1,176	30	154	22	0	10	100
3085	Sitka	7/1	56° 39.99'	-135° 15.12'	23	6.0	1,231	30	69	8	0	5	35
3086	Sitka	7/2	56° 40.00'	-135° 33.96'	72	6.0	1,051	25	151	24	0	0	40

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

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3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
3087	Sitka	7/2	56° 40.00'	-135° 51.99'	130	6.0	526	27	83	12	69	5	20
3088	Sitka	6/11	56° 50.02'	-132° 49.86'	113	6.0	604	24	53	7	0	0	0
3089	Sitka	7/2	56° 49.99'	-135° 51.91'	104	6.0	1,126	48	227	33	30	0	20
3090	Sitka	6/11	56° 56.99'	-132° 58.03'	73	6.0	712	33	294	40	0	0	0
3091	Sitka	6/12	56° 59.98'	-134° 21.07'	189	6.0	966	39	147	18	220	0	5
3092	Sitka	6/25	56° 59.99'	-135° 59.95'	54	6.0	2,086	58	409	62	0	0	45
3093	Sitka	6/11	57° 03.00'	-133° 04.99'	76	6.0	259	12	96	15	0	0	0
3094	Sitka	6/12	57° 09.97'	-133° 45.13'	177	6.0	1,287	70	468	56	55	0	15
3095	Sitka	6/12	57° 09.99'	-134° 03.13'	158	6.0	2,520	128	448	58	75	5	0
3096	Sitka	6/13	57° 09.87'	-134° 40.01'	193	6.0	649	17	90	13	5	0	60
3097	Sitka	6/25	57° 10.00'	-135° 54.30'	37	6.0	578	15	184	27	0	0	25
3098	Sitka	6/25	57° 10.03'	-136° 12.62'	121	6.0	863	48	182	22	80	10	10
3099	Sitka	6/14	57° 19.98'	-133° 25.98'	75	6.0	103	5	19	2	0	0	5
3100	Sitka	6/14	57° 19.95'	-133° 45.08'	196	4.1	1,352	67	152	18	20	10	5
3101	Sitka	6/13	57° 19.99'	-134° 36.20'	221	6.0	717	22	119	15	40	0	15
3102	Sitka	6/24	57° 19.98'	-135° 55.14'	45	6.0	1,057	23	81	11	5	15	61
3103	Sitka	6/24	57° 20.00'	-136° 13.20'	95	6.0	1,254	53	196	28	5	5	55
3104	Sitka	6/14	57° 30.01'	-133° 45.12'	128	6.0	1,074	40	142	19	30	0	5
3105	Sitka	6/13	57° 31.00'	-134° 37.92'	150	6.0	368	16	172	23	85	0	30
3106	Sitka	6/24	57° 30.11'	-136° 13.94'	42	6.0	1,110	31	127	18	0	0	116
3107	Sitka	6/15	57° 39.96'	-133° 44.69'	183	6.0	1,367	74	243	30	0	0	5
3108	Sitka	6/23	57° 40.02'	-136° 33.21'	88	6.0	1,489	75	175	20	0	0	20
3109	Sitka	6/15	57° 50.04'	-133° 53.66'	170	6.0	679	37	152	20	0	0	10
3110	Sitka	6/23	57° 49.95'	-136° 33.98'	50	6.0	1,518	52	330	49	0	0	35
3111	Sitka	6/23	57° 50.05'	-136° 52.35'	179	6.1	428	19	32	4	45	0	76
3112	Sitka	6/15	57° 59.95'	-134° 04.03'	120	6.0	406	16	34	5	0	0	0
3113	Sitka	6/22	58° 00.08'	-136° 39.87'	48	6.0	2,507	123	859	104	0	0	40
3114	Sitka	6/21	58° 09.98'	-135° 01.00'	104	6.1	1,826	69	190	25	0	10	25
3115	Sitka	6/21	58° 10.00'	-135° 20.00'	93	6.0	290	15	132	16	0	0	5
3116	Sitka	6/22	58° 09.39'	-136° 36.11'	144	6.0	2,361	66	76	10	15	25	50
3117	Sitka	6/16	58° 12.00'	-134° 23.89'	40	6.0	53	3	0	0	0	0	0
3118	Sitka	6/16	58° 13.95'	-134° 40.98'	41	6.0	150	3	0	0	0	0	0
3119	Sitka	6/21	58° 15.11'	-135° 39.87'	57	6.0	2,056	92	720	97	0	10	0
3121	Sitka	6/16	58° 19.95'	-134° 42.98'	40	6.0	89	3	0	0	0	10	0
3122	Sitka	6/20	58° 20.25'	-135° 01.48'	279	6.0	290	14	8	1	109	0	15
3123	Sitka	6/20	58° 30.15'	-135° 02.05'	127	6.0	939	45	183	22	25	0	5
3124	Sitka	6/20	58° 39.98'	-135° 03.01'	158	6.0	1,585	91	229	27	25	0	0
4001	Fairweather	7/18	57° 50.00'	-137° 13.38'	164	6.0	76	5	9	1	5	0	155
4002	Fairweather	7/18	58° 00.00'	-136° 54.22'	228	6.0	0	0	6	1	124	0	20
4003	Fairweather	7/18	58° 00.04'	-137° 12.74'	103	6.0	2,222	107	189	23	40	0	15
4004	Fairweather	7/17	58° 00.01'	-137° 31.02'	90	6.0	2,974	137	248	29	15	5	55
4005	Fairweather	7/17	58° 00.00'	-137° 49.61'	100	6.0	2,089	117	427	53	15	0	35
4006	Fairweather	5/26	58° 10.00'	-136° 55.22'	108	6.0	1,811	88	124	18	51	5	0
4007	Fairweather	5/26	58° 10.00'	-137° 11.18'	65	6.0	2,989	125	759	100	0	10	10
4008	Fairweather	7/17	58° 10.00'	-137° 29.63'	77	6.0	755	36	479	60	0	0	0
4009	Fairweather	7/17	58° 09.99'	-137° 48.95'	85	6.0	661	38	130	17	0	0	5
4010	Fairweather	7/16	58° 10.00'	-138° 08.18'	82	6.0	670	42	265	37	10	5	0
4011	Fairweather	7/16	58° 10.00'	-138° 27.09'	89	6.0	1,677	64	101	14	0	5	25
4012	Fairweather	7/16	58° 10.00'	-138° 46.58'	106	6.0	501	23	332	45	0	0	40
4013	Fairweather	5/26	58° 20.00'	-137° 09.98'	92	6.0	89	5	74	11	5	0	0
4014	Fairweather	5/27	58° 19.99'	-137° 29.39'	103	6.0	54	2	9	2	0	0	0
4015	Fairweather	5/27	58° 20.00'	-137° 47.59'	95	6.0	1,263	44	8	2	5	0	0
4016	Fairweather	5/28	58° 20.00'	-138° 07.79'	71	6.0	117	5	16	2	0	0	0
4017	Fairweather	5/28	58° 19.99'	-138° 25.70'	72	6.0	24	2	103	15	0	0	0
4018	Fairweather	7/15	58° 20.00'	-138° 46.37'	65	6.0	540	20	348	53	0	20	35
4019	Fairweather	7/15	58° 20.00'	-139° 05.17'	61	6.0	1,579	52	215	32	0	0	59
4020	Fairweather	7/14	58° 20.00'	-139° 24.12'	150	6.0	1,453	53	16	2	55	0	100
4021	Fairweather	5/27	58° 30.00'	-137° 27.95'	37	6.0	11	1	219	36	0	30	0
4022	Fairweather	5/27	58° 30.00'	-137° 47.05'	85	6.0	0	0	0	0	0	0	0
4023	Fairweather	5/28	58° 30.00'	-138° 07.11'	72	6.0	433	18	50	6	0	0	0
4024	Fairweather	5/28	58° 30.00'	-138° 26.12'	65	6.0	813	61	692	81	0	0	10

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**2013 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4025	Fairweather	7/15	58° 30.00'	-138° 45.38'	53	6.0	1,020	23	398	61	0	0	5
4026	Fairweather	7/15	58° 30.00'	-139° 04.29'	57	6.0	74	5	217	36	0	0	5
4027	Fairweather	7/14	58° 30.02'	-139° 23.46'	94	6.0	1,193	37	343	50	0	5	55
4028	Fairweather	7/14	58° 30.00'	-139° 42.02'	138	6.0	1,045	49	77	11	59	0	15
4029	Fairweather	5/30	58° 40.02'	-138° 06.42'	51	6.0	1,769	65	287	36	0	0	20
4030	Fairweather	5/30	58° 40.00'	-138° 25.19'	73	6.0	26	2	25	3	0	0	0
4031	Fairweather	5/30	58° 39.99'	-138° 44.02'	55	6.0	1,250	40	776	125	0	0	15
4032	Fairweather	5/31	58° 40.00'	-139° 03.84'	84	6.0	255	17	235	33	5	10	0
4033	Fairweather	5/31	58° 40.00'	-139° 22.69'	139	6.0	2,379	103	209	25	35	0	5
4034	Fairweather	6/4	58° 39.99'	-139° 42.20'	103	6.0	193	11	55	8	10	0	35
4035	Fairweather	6/4	58° 40.01'	-140° 00.73'	105	6.0	1,755	68	598	86	40	5	0
4036	Fairweather	5/30	58° 50.02'	-138° 05.38'	30	6.0	0	0	31	5	0	0	0
4037	Fairweather	5/29	58° 50.00'	-138° 24.55'	41	6.0	1,508	51	86	11	0	0	5
4038	Fairweather	5/29	58° 49.99'	-138° 44.13'	67	6.0	100	7	154	25	0	5	0
4039	Fairweather	5/31	58° 50.00'	-139° 03.31'	105	5.9	24	1	15	2	5	0	0
4040	Fairweather	5/31	58° 50.00'	-139° 22.09'	75	6.0	407	14	120	16	0	0	5
4041	Fairweather	6/4	58° 50.00'	-139° 41.94'	88	6.0	151	7	16	2	0	0	0
4042	Fairweather	6/4	58° 50.00'	-140° 01.28'	96	6.0	962	28	494	64	5	0	5
4043	Fairweather	5/29	59° 00.00'	-138° 24.30'	33	6.0	0	0	27	4	0	0	0
4044	Fairweather	5/29	58° 59.98'	-138° 43.34'	87	6.0	0	0	0	0	0	0	0
4045	Fairweather	6/3	59° 00.00'	-139° 02.06'	57	6.0	0	0	0	0	0	0	0
4046	Fairweather	6/3	59° 00.00'	-139° 22.00'	60	6.0	0	0	25	4	0	0	0
4047	Fairweather	6/5	59° 00.00'	-139° 41.67'	67	6.0	514	22	327	42	0	0	0
4048	Fairweather	6/3	59° 10.01'	-139° 02.22'	31	5.9	137	7	204	39	0	5	0
4049	Fairweather	6/3	59° 09.96'	-139° 21.05'	54	6.0	100	6	13	2	0	0	0
4051	Yakutat	6/5	58° 50.00'	-140° 20.20'	100	6.0	2,047	71	350	46	0	10	0
4052	Yakutat	6/9	58° 50.00'	-140° 39.88'	106	6.0	1,059	38	379	51	30	0	0
4053	Yakutat	6/5	58° 59.97'	-140° 01.09'	74	6.0	727	23	370	53	0	0	10
4054	Yakutat	6/5	59° 00.00'	-140° 19.48'	84	6.0	642	18	170	25	0	0	25
4055	Yakutat	6/9	59° 00.00'	-140° 39.88'	99	6.0	902	30	468	66	5	0	0
4056	Yakutat	6/9	59° 00.01'	-140° 59.05'	104	6.0	1,253	47	402	62	10	5	0
4057	Yakutat	6/6	59° 10.00'	-139° 40.83'	71	6.0	191	13	369	47	0	30	0
4058	Yakutat	6/6	59° 10.00'	-140° 00.28'	63	6.0	1,079	28	476	69	0	0	0
4059	Yakutat	6/8	59° 10.00'	-140° 20.44'	72	6.0	703	26	328	50	0	40	0
4060	Yakutat	6/8	59° 10.00'	-140° 38.84'	81	6.0	729	22	296	40	0	10	0
4061	Yakutat	6/12	59° 10.00'	-140° 58.94'	100	6.0	608	22	408	60	5	0	0
4062	Yakutat	6/12	59° 10.00'	-141° 18.41'	186	6.0	296	9	67	9	54	0	0
4063	Yakutat	7/11	59° 10.00'	-141° 37.73'	122	6.0	2,405	125	126	15	141	0	30
4064	Yakutat	6/6	59° 20.00'	-139° 40.36'	86	6.0	31	2	0	0	0	0	0
4065	Yakutat	6/6	59° 20.00'	-139° 59.98'	88	6.0	219	9	7	1	0	0	0
4066	Yakutat	6/8	59° 20.00'	-140° 20.34'	71	6.0	382	15	410	59	0	0	0
4067	Yakutat	6/8	59° 20.00'	-140° 39.00'	77	6.0	203	9	303	38	5	0	0
4068	Yakutat	6/12	59° 20.00'	-140° 59.40'	88	6.0	938	35	226	30	15	0	0
4069	Yakutat	6/12	59° 20.00'	-141° 18.04'	183	6.0	336	8	88	14	66	0	10
4070	Yakutat	7/11	59° 20.00'	-141° 38.50'	104	6.0	914	37	243	32	0	0	5
4071	Yakutat	7/11	59° 20.00'	-141° 58.07'	119	6.0	1,376	58	564	74	20	0	0
4072	Yakutat	6/7	59° 30.00'	-140° 00.80'	62	6.0	40	3	102	15	0	0	0
4073	Yakutat	6/7	59° 30.00'	-140° 18.96'	124	6.0	400	12	0	0	25	0	20
4074	Yakutat	6/7	59° 30.02'	-140° 39.03'	153	6.0	453	16	0	0	20	0	45
4075	Yakutat	6/13	59° 30.01'	-140° 59.33'	162	6.0	490	14	20	3	10	0	30
4076	Yakutat	6/13	59° 30.00'	-141° 19.45'	89	6.0	77	4	15	2	0	0	0
4077	Yakutat	7/10	59° 29.99'	-141° 38.08'	89	6.0	44	3	39	4	0	0	0
4078	Yakutat	7/10	59° 30.01'	-141° 58.24'	97	6.0	174	6	4	1	0	0	0
4079	Yakutat	6/7	59° 39.98'	-139° 59.55'	76	6.0	612	33	241	30	0	80	0
4080	Yakutat	6/13	59° 40.00'	-140° 59.23'	30	6.0	292	10	66	12	0	10	0
4081	Yakutat	6/13	59° 40.00'	-141° 19.15'	36	6.0	37	3	129	22	0	55	0
4082	Yakutat	7/10	59° 40.00'	-141° 38.34'	51	6.0	251	4	20	3	0	0	0
4083	Yakutat	7/10	59° 40.00'	-141° 57.81'	79	6.0	71	2	12	2	0	0	0
4084	Yakutat	6/14	59° 39.92'	-142° 18.22'	121	6.0	304	11	10	1	5	0	0
4085	Yakutat	6/14	59° 40.00'	-142° 38.12'	212	6.0	328	11	44	5	109	0	30
4086	Yakutat	7/9	59° 40.03'	-142° 58.44'	107	6.0	2,547	110	371	47	20	30	0

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

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3 Bycatch numbers extrapolated from 20% subsample.



## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4087	Yakutat	7/9	59° 40.00'	-143° 17.66'	150	5.1	21	1	8	1	0	0	15
4088	Yakutat	7/8	59° 39.98'	-143° 37.83'	78	5.9	2,736	94	359	48	0	0	39
4089	Yakutat	7/8	59° 40.00'	-143° 57.14'	69	6.0	1,931	66	390	52	0	0	15
4090	Yakutat	6/16	59° 40.02'	-144° 17.15'	88	6.0	651	24	90	13	10	0	0
4091	Yakutat	6/16	59° 40.06'	-144° 36.52'	80	6.0	45	2	22	4	5	0	0
4092	Yakutat	6/14	59° 50.00'	-141° 59.13'	39	6.0	225	11	243	38	0	0	10
4093	Yakutat	6/14	59° 50.00'	-142° 18.24'	49	6.0	1,499	42	230	35	0	0	10
4094	Yakutat	6/15	59° 50.02'	-142° 38.21'	90	6.0	552	21	107	14	0	0	0
4095	Yakutat	7/9	59° 50.00'	-142° 58.02'	94	5.9	252	8	15	3	0	0	0
4096	Yakutat	7/9	59° 50.03'	-143° 17.89'	116	6.0	971	29	70	8	50	5	15
4097	Yakutat	7/8	59° 49.99'	-143° 38.59'	153	6.0	560	21	9	1	45	0	69
4098	Yakutat	7/8	59° 50.00'	-143° 57.80'	51	6.0	302	15	315	47	5	5	0
4099	Yakutat	6/16	59° 50.00'	-144° 18.50'	35	6.0	0	0	0	0	0	0	0
4100	Yakutat	6/15	59° 59.99'	-142° 39.02'	45	6.0	512	28	331	47	0	25	0
4101	Yakutat	6/15	60° 00.00'	-142° 58.77'	62	6.0	188	11	44	7	0	0	0
4102	PWS	6/21	59° 19.98'	-146° 16.31'	151	6.0	351	18	57	7	35	0	130
4103	PWS	6/21	59° 20.00'	-146° 35.05'	79	6.0	318	17	135	19	0	0	0
4104	PWS	6/21	59° 20.00'	-146° 55.11'	103	6.0	329	19	141	17	0	0	0
4105	PWS	6/21	59° 20.00'	-147° 15.20'	101	6.0	183	12	184	26	30	0	0
4106	PWS	6/22	59° 29.98'	-145° 16.13'	73	6.0	1,533	68	437	61	0	0	20
4107	PWS	6/22	59° 30.00'	-145° 55.14'	91	6.0	406	23	250	35	15	0	0
4108	PWS	6/20	59° 30.02'	-146° 34.75'	51	6.0	525	17	175	25	0	0	25
4109	PWS	6/20	59° 30.00'	-146° 53.92'	99	6.0	130	5	37	5	25	0	5
4110	PWS	6/17	59° 30.01'	-147° 14.34'	118	6.0	55	4	15	3	35	0	0
4111	PWS	6/17	59° 29.99'	-147° 33.95'	63	6.0	105	5	71	10	0	0	0
4112	PWS	6/22	59° 40.00'	-145° 34.15'	57	6.0	173	7	102	14	0	30	0
4113	PWS	6/23	59° 40.00'	-145° 53.02'	45	6.0	1,052	51	593	76	0	10	5
4114	PWS	6/23	59° 40.00'	-146° 14.24'	45	6.0	240	16	538	78	0	0	0
4115	PWS	6/20	59° 39.98'	-146° 34.42'	48	6.0	665	36	800	107	0	0	0
4116	PWS	6/20	59° 40.00'	-146° 53.31'	60	6.0	29	2	25	3	0	0	0
4117	PWS	6/17	59° 40.00'	-147° 13.41'	93	6.0	247	11	13	2	5	0	0
4118	PWS	6/17	59° 39.99'	-147° 32.83'	65	6.0	38	2	30	4	0	0	0
4119	PWS	7/7	59° 50.14'	-144° 58.54'	109	6.0	609	21	25	3	20	120	0
4120	PWS	6/23	59° 50.02'	-145° 53.19'	56	6.0	195	5	41	6	5	10	0
4121	PWS	6/23	59° 50.00'	-146° 13.25'	33	6.0	593	33	437	59	0	0	0
4122	PWS	6/25	59° 49.99'	-146° 33.24'	37	6.0	1,182	37	745	103	0	0	10
4123	PWS	6/24	59° 49.99'	-146° 53.12'	43	6.0	174	12	634	84	0	5	0
4124	PWS	6/24	59° 50.00'	-147° 13.21'	79	6.0	1,091	54	56	7	0	20	0
4125	PWS	7/7	60° 00.01'	-144° 39.10'	125	6.0	319	11	13	2	50	5	0
4126	PWS	7/7	60° 00.00'	-144° 58.61'	73	6.0	506	24	64	7	5	5	0
4127	PWS	7/7	60° 00.00'	-145° 17.95'	69	6.0	40	3	28	4	0	5	0
4128	PWS	6/25	60° 00.00'	-146° 11.90'	35	6.0	866	41	303	41	0	0	0
4129	PWS	6/25	60° 00.00'	-146° 31.96'	37	6.0	61	4	139	19	0	0	0
4130	PWS	6/24	60° 00.00'	-146° 51.97'	78	6.0	0	0	11	2	5	10	0
4131	PWS	6/24	60° 00.00'	-147° 12.00'	99	6.0	95	5	42	6	0	15	5
4132	PWS	6/30	60° 10.00'	-145° 31.45'	49	6.0	230	12	64	9	0	35	0
4133	PWS	6/30	60° 10.00'	-145° 51.10'	60	6.0	604	20	145	18	0	15	0
4134	PWS	6/30	60° 09.98'	-146° 10.90'	45	6.0	441	23	184	26	0	10	0
4135	PWS	6/29	60° 10.00'	-147° 30.94'	42	5.9	155	11	224	31	0	50	25
4136	PWS	6/29	60° 10.02'	-147° 51.00'	191	5.9	624	39	391	46	5	15	20
4137	PWS	6/29	60° 20.13'	-147° 30.98'	66	6.0	367	14	61	8	0	95	10
4138	PWS	7/1	60° 29.99'	-146° 29.37'	35	6.0	674	28	400	60	0	35	0
4139	PWS	7/1	60° 29.85'	-146° 49.02'	217	6.0	297	18	47	6	35	5	5
4140	PWS	7/1	60° 29.99'	-147° 10.00'	217	6.0	342	19	306	38	0	30	0
4141	PWS	7/3	60° 29.99'	-147° 30.10'	111	6.0	216	15	176	24	10	65	30
4142	PWS	7/3	60° 28.80'	-147° 50.10'	250	6.0	589	32	174	21	35	0	5
4143	PWS	7/2	60° 40.16'	-146° 49.00'	227	6.0	943	62	404	47	20	5	5
4144	PWS	7/2	60° 40.14'	-147° 08.97'	135	6.0	346	17	142	16	0	40	0
4145	PWS	7/2	60° 49.99'	-147° 08.62'	165	6.0	960	46	144	19	0	85	5
4146	PWS	7/4	60° 50.00'	-148° 10.03'	165	6.0	621	28	79	10	0	25	20
4147	Seward	6/14	58° 40.17'	-148° 34.52'	131	5.8	536	28	58	7	74	0	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
4148	Seward	6/14	58° 40.06'	-148° 52.59'	94	5.9	337	19	112	14	15	74	5
4149	Seward	6/13	58° 51.13'	-148° 14.50'	155	5.9	1,014	62	206	25	105	0	15
4150	Seward	6/13	58° 50.04'	-148° 32.83'	161	5.9	3,886	150	111	12	65	0	25
4151	Seward	6/14	58° 50.05'	-148° 52.39'	142	5.9	918	51	83	9	65	0	55
4152	Seward	6/15	58° 50.16'	-149° 12.21'	115	5.9	726	40	48	6	37	14	0
4153	Seward	6/12	59° 00.22'	-147° 55.29'	184	5.9	524	25	45	5	94	0	25
4154	Seward	6/13	59° 00.13'	-148° 13.91'	119	5.8	1,378	75	139	15	20	79	10
4155	Seward	6/16	59° 00.01'	-148° 34.30'	135	6.0	190	12	49	6	124	0	5
4156	Seward	6/15	58° 59.91'	-148° 53.27'	115	5.9	432	24	0	0	84	10	0
4157	Seward	6/15	59° 00.06'	-149° 12.03'	118	5.9	106	7	31	4	89	0	5
4158	Seward	6/23	59° 00.15'	-149° 32.70'	128	5.8	55	3	8	1	0	0	0
4159	Seward	6/12	59° 10.01'	-147° 35.32'	130	6.0	2,085	118	267	37	10	5	15
4160	Seward	6/12	59° 09.97'	-147° 53.97'	112	5.8	787	40	34	4	39	25	0
4161	Seward	6/16	59° 09.96'	-148° 14.40'	68	5.8	1,275	70	226	31	0	40	35
4162	Seward	6/16	59° 10.13'	-148° 32.49'	85	6.0	66	4	34	5	85	20	0
4163	Seward	6/22	59° 10.11'	-148° 53.03'	95	6.0	456	19	50	6	5	5	0
4164	Seward	6/22	59° 10.04'	-149° 11.64'	87	5.8	1,142	65	258	31	0	68	0
4165	Seward	6/23	59° 10.01'	-149° 31.88'	85	5.8	103	7	76	10	25	0	0
4166	Seward	6/23	59° 09.88'	-149° 50.95'	73	5.9	253	17	130	18	5	10	0
4167	Seward	6/11	59° 19.88'	-147° 34.30'	68	5.8	478	29	174	22	0	5	20
4168	Seward	6/11	59° 20.09'	-147° 54.52'	101	5.8	306	13	74	11	10	15	5
4169	Seward	6/21	59° 20.06'	-148° 12.98'	85	5.9	881	50	69	10	10	10	0
4170	Seward	6/21	59° 19.98'	-148° 33.38'	50	5.9	1,763	79	848	115	0	5	20
4171	Seward	6/22	59° 19.91'	-148° 53.47'	92	4.1	705	41	161	19	0	20	0
4172	Seward	6/24	59° 20.06'	-149° 12.27'	100	5.9	1,052	60	249	28	15	25	0
4173	Seward	6/24	59° 19.88'	-149° 31.75'	69	5.8	1,396	73	206	28	0	54	0
4174	Seward	8/15	59° 19.73'	-149° 50.77'	103	5.9	913	34	48	6	15	10	0
4175	Seward	7/20	59° 19.82'	-150° 12.03'	85	5.9	716	36	173	21	0	25	0
4176	Seward	6/11	59° 30.11'	-147° 53.48'	65	5.9	350	16	84	10	0	0	0
4177	Seward	6/21	59° 30.09'	-148° 12.40'	113	5.8	107	6	8	1	0	0	5
4178	Seward	6/20	59° 29.85'	-148° 33.23'	53	5.9	406	21	514	74	0	25	5
4179	Seward	6/20	59° 30.00'	-148° 51.69'	90	5.9	100	5	62	7	0	0	0
4180	Seward	6/24	59° 30.02'	-149° 11.93'	124	5.9	685	39	113	13	5	20	0
4181	Seward	8/15	59° 29.91'	-149° 32.40'	56	5.9	863	54	610	81	0	0	0
4182	Seward	7/20	59° 29.88'	-149° 51.91'	111	5.8	614	32	49	6	15	64	0
4183	Seward	7/20	59° 29.80'	-150° 10.62'	62	5.9	735	35	169	21	0	5	0
4184	Seward	6/7	59° 39.78'	-147° 52.81'	38	5.8	130	5	29	4	0	0	0
4185	Seward	6/6	59° 39.86'	-148° 13.27'	72	5.8	45	3	46	7	0	0	0
4186	Seward	6/6	59° 40.11'	-148° 31.95'	113	6.0	88	2	33	5	10	0	0
4187	Seward	6/20	59° 40.01'	-148° 51.85'	97	5.8	47	2	25	3	0	0	0
4188	Seward	6/19	59° 40.20'	-149° 12.57'	116	5.9	859	43	45	6	40	0	0
4189	Seward	6/19	59° 40.00'	-149° 31.96'	150	5.8	53	4	60	7	15	20	0
4190	Seward	6/6	59° 49.87'	-148° 12.38'	46	5.8	168	11	90	11	0	15	0
4191	Seward	6/5	59° 50.10'	-148° 32.20'	72	5.9	0	0	0	0	0	5	0
4192	Seward	6/5	59° 50.00'	-148° 51.95'	92	5.8	55	1	0	0	10	15	0
4193	Seward	6/4	59° 49.89'	-149° 12.33'	74	6.0	408	26	358	44	0	5	0
4194	Seward	6/19	59° 49.59'	-149° 31.80'	90	5.9	254	14	111	13	0	0	0
4195	Gore Pt.	7/28	58° 00.20'	-149° 13.70'	78	5.9	2,901	174	582	68	0	0	5
4196	Gore Pt.	7/28	58° 09.82'	-148° 54.34'	71	5.9	2,105	139	673	79	0	69	5
4197	Gore Pt.	7/28	58° 10.00'	-149° 12.62'	63	5.9	1,202	64	653	81	0	30	59
4198	Gore Pt.	7/29	58° 09.98'	-149° 32.03'	60	6.0	713	45	549	66	0	0	15
4199	Gore Pt.	7/30	58° 09.98'	-149° 51.19'	78	5.9	2,298	153	549	62	0	35	0
4200	Gore Pt.	7/27	58° 20.11'	-148° 34.92'	100	6.0	1,933	105	208	24	75	20	0
4201	Gore Pt.	7/27	58° 19.75'	-148° 54.22'	70	6.0	414	28	591	78	0	20	0
4202	Gore Pt.	7/29	58° 20.21'	-149° 12.43'	86	5.9	1,433	104	746	91	0	49	0
4203	Gore Pt.	7/29	58° 20.17'	-149° 32.37'	83	6.0	723	56	758	92	0	34	0
4204	Gore Pt.	7/30	58° 19.90'	-149° 51.47'	41	6.0	459	35	1,483	186	0	0	0
4205	Gore Pt.	7/30	58° 19.91'	-150° 09.64'	28	5.8	1,027	71	858	104	0	0	0
4206	Gore Pt.	8/10	58° 20.12'	-150° 28.80'	30	3.3	49	3	141	22	0	0	0
4207	Gore Pt.	7/27	58° 30.02'	-148° 34.00'	73	5.9	958	50	343	42	10	198	0
4208	Gore Pt.	7/26	58° 30.05'	-148° 52.89'	61	5.8	1,006	48	563	79	0	0	10

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

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3 Bycatch numbers extrapolated from 20% subsample.

**2013 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4209	Gore Pt.	7/26	58° 30.02'	-149° 12.71'	68	6.0	122	9	305	43	0	40	0
4210	Gore Pt.	7/21	58° 29.98'	-149° 32.21'	77	6.0	169	13	196	27	0	183	0
4211	Gore Pt.	7/21	58° 29.98'	-149° 50.29'	75	5.9	218	13	247	34	0	104	0
4212	Gore Pt.	8/11	58° 29.88'	-150° 09.88'	51	5.9	56	5	590	84	0	40	0
4213	Gore Pt.	8/10	58° 29.57'	-150° 29.22'	45	5.9	99	8	918	131	0	0	0
4214	Gore Pt.	8/10	58° 30.05'	-150° 48.16'	57	6.0	350	26	340	42	0	60	0
4215	Gore Pt.	7/26	58° 40.02'	-149° 13.02'	75	5.9	581	32	215	28	0	20	5
4216	Gore Pt.	7/25	58° 39.97'	-149° 32.15'	75	5.9	257	13	196	25	10	40	0
4217	Gore Pt.	7/25	58° 40.14'	-149° 50.98'	83	5.9	475	33	434	54	20	15	0
4218	Gore Pt.	8/11	58° 39.84'	-150° 09.92'	68	6.0	1,203	80	739	96	10	10	0
4219	Gore Pt.	8/11	58° 39.96'	-150° 28.94'	111	6.0	427	27	157	21	35	35	0
4220	Gore Pt.	8/12	58° 40.05'	-150° 49.26'	110	6.0	599	39	84	10	74	54	0
4221	Gore Pt.	8/5	58° 40.06'	-151° 08.15'	106	5.9	536	33	98	12	25	10	0
4222	Gore Pt.	7/25	58° 49.93'	-149° 32.09'	123	5.9	154	7	0	0	39	0	0
4223	Gore Pt.	8/14	58° 50.19'	-149° 50.74'	131	6.0	377	20	47	5	135	0	0
4224	Gore Pt.	8/14	58° 50.09'	-150° 09.90'	88	6.0	874	54	296	34	64	69	0
4225	Gore Pt.	8/12	58° 50.04'	-150° 29.97'	91	6.0	706	49	390	48	35	54	0
4226	Gore Pt.	8/12	58° 49.89'	-150° 48.75'	99	6.0	126	8	205	25	45	130	0
4227	Gore Pt.	8/5	58° 49.92'	-151° 08.02'	77	6.0	1,063	74	757	96	0	40	0
4228	Gore Pt.	8/5	58° 50.08'	-151° 28.90'	62	6.0	198	15	644	88	0	54	5
4229	Gore Pt.	8/14	58° 59.92'	-149° 51.02'	123	6.0	107	5	15	2	64	0	0
4230	Gore Pt.	8/13	59° 00.10'	-150° 11.22'	105	5.9	166	9	79	10	20	5	5
4231	Gore Pt.	8/13	59° 00.05'	-150° 30.12'	66	6.0	334	24	413	59	0	69	0
4232	Gore Pt.	8/13	59° 00.13'	-150° 50.29'	90	5.9	729	37	142	19	5	83	0
4233	Gore Pt.	8/4	59° 00.03'	-151° 08.98'	78	4.8	1,337	72	316	39	0	59	14
4234	Gore Pt.	8/4	58° 59.98'	-151° 28.02'	69	5.9	1,026	55	832	106	0	10	0
4235	Gore Pt.	8/15	59° 10.07'	-150° 10.43'	69	6.0	516	30	348	47	0	60	0
4236	Gore Pt.	7/22	59° 09.96'	-150° 30.19'	65	5.9	347	22	338	46	0	5	0
4237	Gore Pt.	7/22	59° 10.38'	-150° 50.11'	70	5.8	307	22	386	48	0	34	0
4238	Gore Pt.	8/4	59° 09.65'	-151° 08.80'	36	6.0	1,040	40	347	41	0	0	50
4239	Gore Pt.	7/22	59° 19.88'	-150° 30.74'	115	6.0	1,006	40	94	11	10	124	5
4240	Portlock	6/25	57° 20.11'	-150° 46.00'	86	6.0	763	48	298	37	20	35	0
4241	Portlock	6/29	57° 29.89'	-150° 08.98'	251	6.0	0	0	0	0	35	0	5
4242	Portlock	6/25	57° 30.00'	-150° 27.95'	87	6.0	258	18	224	30	25	35	0
4243	Portlock	6/25	57° 29.98'	-150° 45.69'	52	6.0	268	18	137	18	0	69	0
4244	Portlock	6/29	57° 40.00'	-149° 50.26'	220	6.0	157	11	57	6	114	0	30
4245	Portlock	6/29	57° 40.00'	-150° 09.10'	116	6.0	431	27	121	14	75	15	0
4246	Portlock	6/26	57° 40.02'	-150° 27.85'	52	6.0	352	26	447	63	0	25	0
4247	Portlock	6/26	57° 39.98'	-150° 46.90'	46	6.0	1,507	77	457	61	0	35	0
4248	Portlock	7/25	57° 40.00'	-151° 05.06'	40	6.0	417	22	167	20	0	0	0
4249	Portlock	7/25	57° 40.00'	-151° 24.01'	35	6.0	413	27	609	72	0	0	0
4250	Portlock	6/28	57° 50.01'	-149° 32.02'	187	6.0	501	31	77	8	139	0	45
4251	Portlock	6/28	57° 50.00'	-149° 49.85'	141	6.0	432	29	192	24	47	0	11
4252	Portlock	6/27	57° 50.00'	-150° 09.55'	107	6.0	359	23	129	17	55	90	0
4253	Portlock	6/26	57° 50.00'	-150° 27.64'	50	6.0	2,266	134	795	107	0	15	0
4254	Portlock	7/26	57° 50.06'	-150° 47.00'	46	6.0	834	51	576	72	0	30	0
4255	Portlock	7/25	57° 49.92'	-151° 06.00'	38	6.0	355	23	926	123	0	10	0
4256	Portlock	7/25	57° 50.00'	-151° 24.08'	31	6.0	253	16	817	108	0	15	0
4257	Portlock	7/24	57° 50.00'	-151° 42.89'	29	5.9	46	3	394	57	0	127	0
4258	Portlock	7/23	57° 49.96'	-152° 02.00'	48	6.0	509	31	460	62	0	60	0
4259	Portlock	6/28	57° 59.89'	-149° 31.98'	81	6.0	947	63	147	18	5	25	0
4260	Portlock	6/27	57° 59.98'	-149° 50.95'	126	6.0	1,001	65	167	22	90	30	0
4262	Portlock	7/27	58° 00.09'	-150° 28.00'	89	6.0	689	49	166	20	20	55	0
4263	Portlock	7/26	58° 00.00'	-150° 46.95'	70	6.0	749	44	251	31	0	25	0
4264	Portlock	7/26	57° 59.95'	-151° 06.00'	45	6.0	2,064	131	992	120	0	5	10
4265	Portlock	7/24	57° 59.99'	-151° 25.12'	42	6.0	1,263	76	329	42	0	20	0
4266	Portlock	7/24	58° 00.00'	-151° 43.96'	63	6.0	833	56	260	33	0	30	0
4267	Portlock	7/23	58° 00.00'	-152° 03.04'	96	6.0	1,002	50	87	10	10	126	0
4268	Portlock	7/23	58° 00.00'	-152° 21.91'	131	6.0	475	22	112	13	0	90	0
4269	Portlock	7/27	58° 10.00'	-150° 10.05'	81	6.0	4,176	258	421	47	10	20	0
4270	Portlock	7/27	58° 10.00'	-150° 28.86'	63	6.0	1,430	91	889	109	0	5	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4271	Portlock	7/19	58° 10.16'	-150° 48.00'	62	6.0	321	22	231	28	0	164	0
4272	Portlock	7/19	58° 09.99'	-151° 06.86'	79	6.0	752	53	220	25	25	130	0
4273	Portlock	7/19	58° 10.00'	-151° 24.92'	90	6.0	1,115	74	119	13	10	145	0
4274	Portlock	7/20	58° 09.98'	-151° 41.97'	33	6.0	1,780	113	1,222	144	0	0	0
4275	Portlock	7/18	58° 19.99'	-150° 48.00'	35	6.0	112	9	724	101	0	0	0
4276	Portlock	7/18	58° 20.00'	-151° 07.03'	69	6.0	668	44	380	45	0	69	0
4277	Portlock	7/20	58° 19.98'	-151° 25.99'	41	6.0	1,215	83	1,086	135	0	10	5
4278	Portlock	7/20	58° 20.02'	-151° 45.00'	28	6.0	802	53	802	95	0	0	0
4279	Portlock	7/18	58° 30.00'	-151° 07.00'	51	6.0	153	12	391	53	0	60	0
4280	Portlock	7/17	58° 29.70'	-151° 26.98'	92	6.0	1,649	111	238	29	0	99	0
4281	Portlock	7/17	58° 30.00'	-151° 45.98'	95	6.0	2,236	118	43	5	5	26	5
4282	Portlock	7/17	58° 40.00'	-151° 26.98'	102	6.0	783	49	199	25	40	80	0
4283	Portlock	7/16	58° 40.03'	-151° 47.80'	70	6.0	498	32	444	61	0	50	0
4284	Portlock	7/16	58° 39.97'	-152° 05.50'	71	6.0	713	40	131	16	5	20	0
4285	Portlock	7/16	58° 48.98'	-152° 05.95'	65	6.0	455	27	436	56	0	25	30
4286	Albatross	6/30	56° 20.03'	-152° 49.71'	68	5.9	706	44	431	59	5	152	0
4287	Albatross	6/30	56° 20.23'	-153° 07.96'	48	5.8	637	42	767	94	0	25	0
4288	Albatross	7/4	56° 20.25'	-153° 26.35'	33	6.0	1,032	49	547	72	0	0	0
4289	Albatross	6/28	56° 30.09'	-152° 15.00'	116	5.9	643	42	309	35	5	35	20
4290	Albatross	6/29	56° 30.01'	-152° 33.19'	148	5.9	605	44	339	40	74	0	25
4291	Albatross	6/30	56° 29.80'	-152° 50.91'	27	5.9	2,690	113	932	115	0	0	0
4292	Albatross	7/4	56° 29.92'	-153° 09.19'	39	5.9	336	19	436	57	0	83	0
4293	Albatross	7/4	56° 30.07'	-153° 27.03'	48	5.9	590	35	467	65	0	69	0
4294	Albatross	7/3	56° 29.95'	-153° 45.49'	33	6.0	2,449	85	242	30	0	78	0
4295	Albatross	6/28	56° 39.94'	-151° 57.05'	34	5.8	1,542	92	909	119	0	10	0
4296	Albatross	6/28	56° 39.92'	-152° 14.71'	24	6.0	802	53	1,097	147	0	0	0
4297	Albatross	6/29	56° 39.91'	-152° 33.94'	77	6.0	768	47	613	80	0	55	0
4298	Albatross	6/29	56° 39.95'	-152° 52.17'	38	5.9	378	25	928	133	0	0	0
4299	Albatross	7/2	56° 40.03'	-153° 10.08'	82	5.9	1,085	53	136	16	0	5	0
4300	Albatross	7/3	56° 39.77'	-153° 27.89'	78	6.0	296	12	86	11	0	115	5
4301	Albatross	7/3	56° 39.85'	-153° 46.34'	46	5.9	1,035	47	421	55	0	54	0
4302	Albatross	7/11	56° 49.97'	-151° 40.49'	151	5.9	565	39	243	29	10	0	100
4303	Albatross	7/11	56° 49.98'	-151° 59.29'	41	5.9	2,143	82	509	68	0	15	0
4304	Albatross	7/12	56° 50.12'	-152° 16.07'	53	5.9	590	38	1,170	157	0	45	0
4305	Albatross	7/12	56° 50.00'	-152° 34.92'	76	6.0	268	19	357	45	0	5	0
4306	Albatross	7/13	56° 50.00'	-152° 53.11'	35	6.0	188	12	592	81	0	10	0
4307	Albatross	7/2	56° 49.80'	-153° 11.14'	45	5.8	2,231	131	697	82	0	40	0
4308	Albatross	7/2	56° 50.00'	-153° 29.01'	54	5.9	836	34	567	72	0	20	0
4309	Albatross	7/11	56° 59.97'	-151° 40.04'	41	5.8	2,108	119	447	53	0	132	10
4310	Albatross	7/17	56° 59.83'	-151° 58.84'	45	6.0	278	13	672	97	0	80	0
4311	Albatross	7/12	57° 00.04'	-152° 17.05'	42	6.0	228	13	591	84	0	60	0
4312	Albatross	7/13	56° 59.85'	-152° 35.23'	85	6.0	606	38	197	24	0	0	0
4313	Albatross	7/13	56° 59.81'	-152° 53.77'	62	6.0	731	50	421	58	0	55	0
4314	Albatross	7/10	57° 12.13'	-151° 05.47'	82	6.0	308	22	354	45	15	20	0
4315	Albatross	7/10	57° 10.02'	-151° 22.23'	70	6.0	2,639	170	277	33	0	59	0
4316	Albatross	7/17	57° 09.62'	-151° 42.18'	41	5.9	377	26	898	116	0	25	0
4317	Albatross	7/17	57° 09.88'	-151° 58.43'	37	5.8	447	29	965	120	0	10	0
4318	Albatross	7/16	57° 10.03'	-152° 18.26'	43	6.0	114	7	335	49	0	80	0
4319	Albatross	7/16	57° 09.91'	-152° 36.30'	53	5.9	238	17	273	36	0	74	0
4320	Albatross	7/10	57° 19.96'	-151° 04.03'	50	5.9	762	49	514	66	0	119	0
4321	Albatross	7/9	57° 20.16'	-151° 23.06'	74	6.0	3,224	217	282	34	10	25	0
4322	Albatross	7/18	57° 19.91'	-151° 39.22'	34	6.0	486	21	505	62	0	144	0
4323	Albatross	7/18	57° 20.21'	-151° 59.89'	39	5.8	510	35	374	46	0	29	0
4324	Albatross	7/16	57° 20.04'	-152° 17.67'	20	5.9	1,917	75	272	33	0	15	0
4325	Albatross	7/9	57° 29.54'	-151° 05.14'	44	6.0	1,372	66	260	30	0	100	0
4326	Albatross	7/9	57° 29.86'	-151° 22.80'	48	6.0	819	52	496	59	0	75	0
4327	Albatross	7/8	57° 29.98'	-151° 41.72'	58	6.0	685	46	334	46	0	15	0
4328	Albatross	7/18	57° 30.15'	-152° 01.20'	26	6.0	1,499	70	400	44	0	0	0
4329	Albatross	7/8	57° 39.80'	-151° 42.99'	36	5.9	355	25	880	112	0	15	0
4330	Albatross	7/8	57° 40.07'	-152° 01.20'	96	6.0	626	40	214	27	5	70	0
4331	Shellkof	8/4	57° 30.00'	-154° 55.00'	127	6.0	277	13	92	11	0	5	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4332	Shelikof	8/2	57° 40.00'	-154° 34.95'	120	6.0	451	22	72	9	0	5	0
4333	Shelikof	8/4	57° 39.91'	-154° 53.99'	128	6.0	80	3	9	1	5	0	0
4334	Shelikof	8/4	57° 40.00'	-155° 12.94'	163	6.0	0	0	14	2	0	0	0
4335	Shelikof	8/1	57° 50.00'	-154° 14.89'	112	6.0	687	40	395	48	5	35	0
4336	Shelikof	8/2	57° 50.00'	-154° 33.94'	127	6.0	104	6	29	4	0	20	0
4337	Shelikof	8/2	57° 50.00'	-154° 52.90'	159	6.0	39	1	0	0	0	20	0
4338	Shelikof	7/30	58° 00.00'	-153° 36.94'	91	6.0	1,550	96	419	55	0	25	0
4339	Shelikof	8/1	58° 00.00'	-153° 56.03'	108	6.0	836	42	370	45	0	5	0
4340	Shelikof	8/1	58° 00.00'	-154° 13.80'	128	6.0	263	13	159	22	0	20	0
4341	Shelikof	7/30	58° 10.00'	-153° 18.98'	52	6.0	171	10	264	47	0	31	0
4342	Shelikof	7/30	58° 09.93'	-153° 38.00'	107	6.0	352	19	167	20	0	45	0
4343	Shelikof	7/31	58° 10.12'	-153° 57.00'	116	5.7	161	8	35	5	0	5	0
4344	Shelikof	7/13	58° 20.04'	-153° 19.99'	96	6.0	968	48	382	46	0	0	0
4345	Shelikof	7/31	58° 20.00'	-153° 38.86'	94	6.0	593	28	367	45	0	54	0
4346	Shelikof	7/31	58° 20.00'	-153° 57.87'	93	6.0	887	38	210	28	0	10	0
4347	Shelikof	7/12	58° 30.12'	-153° 02.02'	42	6.0	526	32	277	35	0	20	0
4348	Shelikof	7/13	58° 29.89'	-153° 21.02'	99	6.0	499	24	110	16	0	10	0
4349	Shelikof	7/31	58° 29.98'	-153° 40.88'	54	6.0	757	32	226	34	0	90	0
4350	Shelikof	7/11	58° 40.12'	-152° 44.05'	107	6.0	292	17	106	12	0	95	0
4351	Shelikof	7/12	58° 39.97'	-153° 03.01'	86	6.0	1,190	53	196	25	0	65	0
4352	Shelikof	7/12	58° 40.00'	-153° 23.12'	25	6.0	521	20	241	40	0	35	0
4353	Shelikof	7/2	58° 49.98'	-152° 25.98'	96	6.0	770	41	79	10	0	99	0
4354	Shelikof	7/11	58° 50.01'	-152° 45.03'	105	6.0	132	8	102	13	0	100	0
4355	Shelikof	7/11	58° 49.98'	-153° 04.19'	91	6.0	983	42	210	26	0	130	0
4356	Shelikof	7/3	58° 59.97'	-151° 47.82'	73	6.0	689	45	877	116	0	70	0
4357	Shelikof	7/3	58° 59.98'	-152° 06.61'	76	6.0	1,291	83	882	116	0	55	0
4359	Shelikof	7/10	59° 00.00'	-152° 45.78'	91	6.0	648	35	78	9	0	60	0
4360	Shelikof	7/10	59° 00.00'	-153° 04.81'	82	6.0	510	26	94	13	0	105	0
4361	Shelikof	7/3	59° 10.02'	-152° 08.00'	77	6.0	282	19	462	67	0	10	0
4362	Shelikof	7/2	59° 10.04'	-152° 26.99'	56	6.0	210	14	305	47	0	121	0
4363	Shelikof	7/10	59° 09.97'	-152° 47.31'	76	6.0	365	28	378	50	0	50	0
4364	Shelikof	7/9	59° 10.07'	-153° 05.99'	44	6.0	410	12	409	61	0	30	0
4365	Shelikof	7/9	59° 10.01'	-153° 25.96'	22	6.0	278	16	71	9	0	20	0
4366	Shelikof	7/6	59° 20.06'	-152° 06.98'	35	6.0	389	23	1,092	156	0	0	0
4367	Shelikof	7/4	59° 19.98'	-152° 27.77'	39	6.0	240	14	327	50	0	180	0
4368	Shelikof	7/4	59° 20.02'	-152° 47.80'	41	6.0	95	6	463	70	0	130	0
4369	Shelikof	7/9	59° 19.94'	-153° 07.96'	27	6.0	721	40	213	27	0	110	0
4370	Shelikof	7/6	59° 30.00'	-151° 50.13'	38	6.0	442	27	399	52	0	42	0
4371	Shelikof	7/6	59° 29.84'	-152° 08.96'	23	6.0	458	22	944	126	0	0	0
4372	Shelikof	7/5	59° 29.98'	-152° 28.98'	30	6.0	753	48	1,529	198	0	30	0
4373	Shelikof	7/4	59° 29.89'	-152° 48.97'	27	6.0	1,232	73	860	112	0	26	0
4374	Shelikof	7/5	59° 39.83'	-152° 30.01'	43	6.0	917	39	115	13	0	30	0
4375	Shelikof	7/5	59° 49.84'	-152° 11.03'	27	6.0	684	51	1,549	199	0	0	0
5001	Trinity	6/5	55° 59.80'	-153° 35.84'	53	6.0	500	33	1,256	186	0	0	0
5002	Trinity	6/5	56° 00.11'	-153° 53.99'	72	6.0	146	10	503	86	0	35	0
5003	Trinity	6/8	55° 59.80'	-154° 13.00'	62	6.0	775	48	749	117	0	0	5
5004	Trinity	6/8	55° 59.99'	-154° 30.25'	254	6.0	39	3	9	1	85	0	5
5005	Trinity	6/9	55° 59.98'	-154° 47.99'	123	6.0	48	3	211	30	30	0	0
5006	Trinity	6/9	56° 00.01'	-155° 06.44'	31	6.0	273	18	563	94	0	163	0
5007	Trinity	6/5	56° 09.98'	-153° 36.02'	89	6.0	395	28	744	108	0	80	5
5008	Trinity	6/5	56° 10.05'	-153° 53.01'	123	6.0	638	39	159	19	79	0	5
5009	Trinity	6/8	56° 09.96'	-154° 10.97'	67	6.0	304	21	459	75	0	64	0
5010	Trinity	6/8	56° 09.93'	-154° 29.00'	52	6.0	558	33	1,008	159	0	10	0
5011	Trinity	6/9	56° 09.96'	-154° 46.98'	47	6.0	89	7	370	60	0	65	0
5014	Trinity	6/28	56° 10.07'	-155° 40.98'	35	6.0	229	15	474	86	0	25	0
5015	Trinity	6/7	56° 19.98'	-153° 51.00'	49	6.0	811	47	689	112	0	40	0
5016	Trinity	6/7	56° 20.00'	-154° 10.07'	52	6.0	475	24	387	65	0	35	0
5017	Trinity	6/7	56° 20.00'	-154° 27.84'	36	5.8	427	23	270	39	0	25	0
5018	Trinity	7/25	56° 19.99'	-155° 21.87'	26	2.5	38	2	227	37	0	29	0
5019	Trinity	7/25	56° 20.06'	-155° 40.00'	41	6.0	203	13	311	52	0	129	0
5020	Trinity	7/25	56° 29.65'	-155° 21.04'	28	6.0	398	18	355	53	0	65	0

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2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
5021	Trinity	7/25	56° 30.33'	-155° 39.00'	69	6.0	209	14	212	28	0	277	0
5022	Trinity	7/18	56° 40.25'	-155° 02.36'	23	5.9	422	17	185	27	0	0	0
5023	Trinity	7/18	56° 40.10'	-155° 20.00'	53	6.0	547	31	180	24	0	190	0
5024	Trinity	7/18	56° 39.55'	-155° 38.01'	130	6.0	485	29	157	21	0	45	0
5025	Trinity	7/5	56° 39.97'	-155° 55.98'	160	5.8	394	22	87	12	0	10	0
5026	Trinity	7/26	56° 50.00'	-154° 24.01'	34	6.0	949	50	841	114	0	60	0
5027	Trinity	7/26	56° 49.93'	-154° 42.00'	27	6.0	293	19	400	67	0	15	0
5028	Trinity	7/18	56° 49.64'	-155° 00.00'	42	6.0	644	31	344	50	0	60	0
5029	Trinity	7/4	56° 52.02'	-155° 19.01'	130	6.0	436	24	200	26	5	49	0
5030	Trinity	7/3	56° 50.06'	-155° 37.02'	153	6.0	220	14	207	27	6	36	0
5031	Trinity	7/3	56° 50.00'	-155° 55.15'	164	6.0	310	16	188	22	50	25	0
5032	Trinity	7/26	57° 00.16'	-154° 41.00'	25	6.0	740	40	348	49	0	0	0
5033	Trinity	7/4	57° 00.00'	-154° 58.92'	61	6.0	353	27	594	79	0	170	0
5034	Trinity	7/4	57° 00.02'	-155° 17.99'	139	6.0	325	21	245	32	0	40	0
5035	Trinity	7/3	57° 00.00'	-155° 35.98'	155	6.0	154	9	48	6	0	10	0
5036	Trinity	7/6	57° 00.00'	-155° 53.98'	163	6.0	307	18	151	20	40	200	0
5037	Trinity	7/1	57° 10.02'	-154° 40.03'	33	6.0	492	26	536	81	0	64	0
5038	Trinity	7/1	57° 10.00'	-154° 58.01'	107	6.0	219	14	154	22	15	70	0
5039	Trinity	7/1	57° 09.98'	-155° 16.00'	136	6.0	564	32	198	22	0	40	0
5040	Trinity	7/3	57° 09.89'	-155° 35.00'	150	6.0	576	36	158	21	0	70	0
5041	Trinity	7/7	57° 10.14'	-155° 53.01'	136	6.0	595	27	99	13	20	223	0
5042	Trinity	7/1	57° 19.99'	-154° 57.02'	107	6.0	227	13	82	11	5	180	0
5043	Trinity	7/2	57° 20.08'	-155° 15.02'	136	6.0	443	26	229	31	10	74	0
5044	Trinity	7/2	57° 19.99'	-155° 34.51'	156	6.0	512	29	119	15	0	40	0
5045	Trinity	7/7	57° 20.00'	-155° 51.78'	57	6.0	1,082	60	728	94	0	101	0
5046	Trinity	7/7	57° 20.01'	-156° 10.96'	107	6.0	130	7	53	7	0	208	0
5047	Trinity	7/2	57° 30.09'	-155° 14.00'	142	5.9	343	15	72	9	0	35	0
5048	Trinity	7/2	57° 30.01'	-155° 32.98'	165	6.0	384	21	234	28	0	30	0
5096	Chignik	6/12	54° 50.00'	-157° 33.50'	225	6.0	0	0	0	0	20	0	0
5097	Chignik	6/12	54° 49.99'	-157° 50.00'	94	6.0	276	18	675	92	0	45	0
5098	Chignik	6/23	54° 59.99'	-157° 15.12'	106	6.0	59	5	303	43	15	5	0
5099	Chignik	6/12	55° 00.00'	-157° 31.94'	57	5.9	1,166	68	371	45	0	125	10
5100	Chignik	6/12	55° 00.00'	-157° 49.89'	46	6.0	979	47	352	47	0	228	10
5101	Chignik	6/13	55° 00.04'	-158° 07.01'	75	6.0	158	12	135	19	0	115	0
5102	Chignik	6/11	55° 10.20'	-156° 21.98'	276	6.0	0	0	11	1	109	0	0
5103	Chignik	6/11	55° 10.00'	-156° 38.90'	295	6.0	0	0	0	0	90	0	5
5104	Chignik	6/23	55° 09.49'	-156° 57.14'	91	6.0	167	13	251	33	5	213	0
5105	Chignik	6/23	55° 10.00'	-157° 14.06'	62	6.0	224	15	380	59	0	145	15
5106	Chignik	6/23	55° 10.00'	-157° 31.97'	48	6.0	548	25	321	45	0	245	0
5107	Chignik	6/13	55° 10.00'	-157° 49.00'	45	6.0	350	21	361	59	0	248	0
5108	Chignik	6/13	55° 09.98'	-158° 06.96'	57	6.0	616	41	536	86	0	115	0
5109	Chignik	6/11	55° 19.99'	-156° 38.82'	68	6.0	311	18	55	7	0	295	0
5110	Chignik	6/24	55° 19.77'	-156° 56.00'	51	6.0	46	2	51	9	0	295	0
5111	Chignik	6/24	55° 19.96'	-157° 14.00'	51	6.0	199	13	157	30	0	168	0
5112	Chignik	6/21	55° 20.02'	-157° 31.09'	48	6.0	133	5	317	58	0	183	0
5113	Chignik	6/21	55° 20.07'	-157° 49.03'	45	6.0	95	6	212	45	0	287	0
5114	Chignik	6/20	55° 20.06'	-158° 06.01'	60	6.0	34	2	480	85	0	99	0
5115	Chignik	6/20	55° 20.02'	-158° 23.99'	81	6.0	306	21	338	48	0	105	0
5116	Chignik	6/27	55° 29.99'	-156° 38.00'	102	5.9	291	17	166	23	34	34	0
5117	Chignik	6/24	55° 30.00'	-156° 55.00'	49	6.0	312	21	182	31	0	252	0
5118	Chignik	6/24	55° 30.07'	-157° 12.98'	50	6.0	509	25	187	26	0	213	0
5119	Chignik	6/21	55° 30.01'	-157° 31.09'	51	6.0	419	21	430	77	0	84	0
5120	Chignik	6/21	55° 30.00'	-157° 48.10'	53	6.0	316	20	293	52	0	130	0
5121	Chignik	6/20	55° 30.04'	-158° 06.00'	72	6.0	230	18	558	81	0	114	0
5122	Chignik	6/20	55° 30.02'	-158° 24.01'	80	6.0	52	3	136	23	0	64	0
5123	Chignik	6/25	55° 40.00'	-156° 55.00'	50	6.0	153	9	666	118	0	85	0
5124	Chignik	6/22	55° 40.00'	-157° 12.81'	48	6.0	212	9	275	57	0	210	0
5125	Chignik	6/22	55° 40.00'	-157° 30.07'	55	6.0	172	12	376	65	0	140	0
5126	Chignik	6/22	55° 40.02'	-157° 48.05'	74	6.0	440	30	534	74	0	208	0
5127	Chignik	7/15	55° 39.95'	-158° 06.86'	72	6.0	681	46	557	72	0	100	0
5128	Chignik	7/15	55° 40.56'	-158° 23.00'	72	6.0	727	50	723	95	0	125	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
5129	Chignik	7/15	55° 39.96'	-158° 41.05'	51	6.0	121	8	486	91	0	195	0
5130	Chignik	7/16	55° 49.98'	-157° 11.98'	56	6.0	228	17	669	100	0	150	0
5131	Chignik	7/16	55° 49.48'	-157° 30.00'	57	6.0	171	12	319	49	0	245	0
5132	Chignik	7/14	55° 49.79'	-157° 48.00'	68	6.0	670	43	614	86	0	145	0
5133	Chignik	7/14	55° 50.24'	-158° 04.97'	45	6.0	60	3	648	131	0	30	0
5134	Chignik	7/15	55° 49.50'	-158° 23.03'	61	6.0	310	15	576	99	0	110	0
5135	Chignik	7/16	55° 59.82'	-157° 28.98'	61	6.0	255	15	298	50	0	104	0
5136	Chignik	7/14	55° 59.83'	-157° 47.00'	68	5.9	418	26	407	61	0	35	0
5137	Chignik	7/14	56° 00.00'	-158° 04.34'	46	5.9	279	11	232	38	0	287	0
5138	Chignik	7/23	56° 10.29'	-157° 47.00'	84	6.0	309	13	82	11	0	260	0
5139	Chignik	7/23	56° 10.00'	-158° 00.63'	63	5.9	501	21	245	36	0	178	0
5140	Chignik	7/23	56° 20.00'	-158° 04.13'	38	6.0	372	13	197	28	0	25	0
5141	Shumagin	6/29	54° 29.99'	-158° 59.93'	150	6.0	202	16	241	30	64	0	15
5142	Shumagin	7/4	54° 30.07'	-159° 17.00'	79	6.0	93	5	198	29	0	109	0
5143	Shumagin	7/4	54° 30.04'	-159° 34.00'	61	6.0	279	19	226	28	0	155	5
5144	Shumagin	7/5	54° 30.00'	-159° 51.12'	64	6.0	94	7	205	33	0	75	0
5145	Shumagin	7/5	54° 30.00'	-160° 09.17'	65	6.1	337	21	347	44	0	56	0
5146	Shumagin	6/28	54° 39.99'	-158° 25.15'	112	6.0	1,048	73	619	77	79	15	15
5147	Shumagin	6/29	54° 39.90'	-158° 42.02'	56	6.0	100	7	115	15	0	295	20
5148	Shumagin	6/29	54° 40.02'	-159° 00.00'	49	6.0	855	49	700	101	0	89	10
5149	Shumagin	7/4	54° 39.98'	-159° 17.00'	39	6.0	125	7	317	46	0	105	0
5150	Shumagin	7/4	54° 39.93'	-159° 34.00'	34	6.0	793	29	295	40	0	30	15
5151	Shumagin	7/3	54° 40.01'	-159° 52.00'	41	6.0	566	21	234	32	0	100	0
5152	Shumagin	7/3	54° 40.08'	-160° 09.00'	48	6.0	233	13	226	28	0	185	0
5153	Shumagin	6/28	54° 50.01'	-158° 07.07'	57	6.0	459	32	727	114	0	95	0
5154	Shumagin	6/28	54° 50.00'	-158° 25.09'	108	6.0	515	34	329	45	54	0	5
5155	Shumagin	6/28	54° 50.00'	-158° 41.83'	55	5.9	905	55	648	91	0	183	0
5156	Shumagin	6/29	54° 50.05'	-159° 00.01'	41	6.0	239	16	564	101	0	65	0
5157	Shumagin	7/3	54° 50.01'	-159° 51.98'	30	6.0	59	4	84	14	0	145	0
5158	Shumagin	7/3	54° 50.03'	-160° 09.00'	37	6.0	26	2	36	4	0	180	0
5159	Shumagin	7/2	54° 50.05'	-160° 26.00'	45	6.0	234	14	149	20	0	145	0
5160	Shumagin	6/27	54° 59.92'	-158° 25.00'	114	6.0	814	52	314	43	20	0	25
5161	Shumagin	6/27	54° 59.98'	-158° 42.02'	71	6.0	284	18	674	109	0	129	0
5162	Shumagin	6/26	55° 00.00'	-158° 58.98'	45	6.0	357	17	411	69	0	195	0
5163	Shumagin	6/26	54° 59.50'	-159° 16.93'	23	6.0	877	24	47	7	0	100	0
5164	Shumagin	7/2	54° 59.89'	-160° 27.00'	60	6.0	457	32	619	91	0	50	0
5165	Shumagin	7/2	55° 00.17'	-160° 44.00'	46	6.0	472	23	503	73	0	30	0
5166	Shumagin	6/27	55° 10.06'	-158° 24.50'	114	6.0	165	12	176	25	0	0	0
5167	Shumagin	6/27	55° 10.04'	-158° 42.01'	111	6.0	318	18	119	15	0	0	0
5168	Shumagin	6/26	55° 10.00'	-158° 59.14'	76	6.0	156	11	303	49	0	263	0
5169	Shumagin	6/26	55° 10.00'	-159° 17.01'	39	6.0	148	5	280	46	0	198	10
5170	Shumagin	6/25	55° 20.00'	-158° 42.09'	101	5.9	228	15	61	8	10	0	0
5171	Shumagin	6/25	55° 20.00'	-158° 59.19'	101	6.0	627	33	116	15	0	5	0
5172	Shumagin	6/23	55° 20.07'	-159° 16.99'	95	6.0	1,076	63	174	20	0	5	0
5173	Shumagin	6/23	55° 20.03'	-159° 34.00'	77	6.0	481	30	478	62	0	175	0
5174	Shumagin	6/22	55° 20.02'	-159° 52.02'	45	6.0	569	23	226	32	0	170	0
5175	Shumagin	6/25	55° 30.00'	-158° 40.73'	88	6.0	300	16	96	14	0	0	0
5176	Shumagin	6/25	55° 30.00'	-158° 59.06'	60	6.0	352	19	519	93	0	78	0
5177	Shumagin	6/23	55° 29.94'	-159° 17.00'	66	6.0	378	25	594	87	0	30	0
5178	Shumagin	6/23	55° 29.95'	-159° 34.00'	92	6.0	536	39	425	59	0	173	0
5179	Shumagin	6/22	55° 30.00'	-159° 52.00'	90	6.0	350	21	129	19	0	163	0
5181	Shumagin	6/24	55° 39.95'	-158° 59.00'	82	6.0	518	30	239	35	0	145	0
5182	Shumagin	6/24	55° 39.97'	-159° 17.04'	57	6.0	376	12	327	59	0	191	0
5183	Shumagin	6/22	55° 41.37'	-159° 52.01'	67	6.0	853	43	500	62	0	126	0
5184	Shumagin	6/24	55° 49.91'	-158° 59.00'	67	6.0	867	40	352	49	0	195	0
5185	Shumagin	6/24	55° 50.05'	-159° 17.01'	29	6.0	306	16	379	61	0	70	0
5186	Sanak	7/16	54° 00.00'	-163° 15.18'	46	6.0	203	13	185	26	0	75	5
5187	Sanak	7/16	54° 00.00'	-163° 32.00'	55	6.0	14	1	60	9	0	165	0
5188	Sanak	7/16	54° 00.00'	-163° 48.97'	51	6.0	0	0	123	23	0	54	0
5189	Sanak	7/18	54° 09.94'	-161° 34.00'	76	6.0	195	12	215	35	0	66	0
5190	Sanak	7/18	54° 09.99'	-161° 51.00'	44	6.0	278	20	368	49	0	120	5

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3 Bycatch numbers extrapolated from 20% subsample.

**2013 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
5191	Sanak	7/17	54° 09.96'	-162° 08.00'	45	6.0	382	18	290	38	0	55	0
5192	Sanak	7/17	54° 10.10'	-162° 24.99'	88	6.0	172	10	317	42	20	55	30
5193	Sanak	7/16	54° 09.96'	-163° 50.00'	48	6.0	365	17	203	30	0	85	0
5194	Sanak	7/5	54° 20.00'	-160° 08.48'	172	6.0	42	3	104	12	50	0	30
5195	Sanak	7/5	54° 20.00'	-160° 25.73'	68	6.0	363	19	344	60	0	65	0
5196	Sanak	7/7	54° 20.00'	-160° 43.09'	58	6.0	211	16	266	34	0	240	16
5197	Sanak	7/7	54° 20.00'	-161° 00.20'	68	6.1	155	11	149	24	0	130	0
5198	Sanak	7/7	54° 19.99'	-161° 17.21'	58	6.0	496	31	541	74	0	60	5
5199	Sanak	7/18	54° 19.91'	-161° 34.00'	78	6.0	192	14	314	44	0	125	0
5200	Sanak	7/18	54° 20.04'	-161° 51.00'	45	6.1	437	25	476	64	0	5	0
5201	Sanak	7/17	54° 20.11'	-162° 09.00'	32	6.0	641	19	227	37	0	0	0
5202	Sanak	7/14	54° 19.99'	-163° 17.00'	27	6.0	588	20	105	13	0	20	0
5203	Sanak	7/14	54° 20.04'	-163° 34.02'	60	6.0	332	23	511	81	0	70	0
5204	Sanak	7/15	54° 20.05'	-163° 51.00'	61	6.0	107	8	175	27	0	150	0
5205	Sanak	7/15	54° 20.02'	-164° 09.00'	52	6.0	141	10	384	64	0	79	0
5206	Sanak	7/6	54° 30.02'	-160° 25.99'	80	6.0	160	12	184	27	0	95	0
5207	Sanak	7/6	54° 29.94'	-160° 43.00'	75	6.1	292	18	277	40	0	15	0
5208	Sanak	7/7	54° 30.00'	-161° 00.11'	71	6.0	147	10	211	33	0	70	0
5209	Sanak	7/9	54° 30.00'	-161° 17.91'	66	6.1	138	8	303	49	0	155	0
5210	Sanak	7/9	54° 30.00'	-161° 35.05'	37	6.0	696	28	478	78	0	0	0
5211	Sanak	7/19	54° 30.00'	-161° 52.03'	76	6.0	231	16	159	20	10	0	0
5212	Sanak	7/19	54° 30.00'	-162° 09.00'	77	6.0	167	12	87	12	0	225	0
5213	Sanak	7/19	54° 30.00'	-162° 25.84'	79	6.0	473	27	273	40	0	75	0
5214	Sanak	7/14	54° 29.95'	-163° 18.00'	40	6.0	656	35	446	64	0	120	0
5215	Sanak	7/14	54° 30.00'	-163° 35.00'	54	6.0	183	13	340	55	0	35	0
5216	Sanak	7/15	54° 29.91'	-163° 53.00'	49	6.0	275	16	345	60	0	50	0
5217	Sanak	7/15	54° 29.97'	-164° 10.00'	50	6.0	91	5	256	44	0	74	0
5218	Sanak	7/6	54° 39.97'	-160° 26.00'	55	6.0	332	20	333	42	0	150	0
5219	Sanak	7/6	54° 40.03'	-160° 43.00'	51	6.1	579	31	452	72	0	70	0
5220	Sanak	7/8	54° 39.94'	-161° 01.00'	51	6.0	242	12	258	42	0	149	0
5221	Sanak	7/8	54° 39.89'	-161° 18.00'	73	6.1	249	15	345	46	0	40	0
5222	Sanak	7/9	54° 39.94'	-161° 35.00'	35	6.0	389	21	557	82	0	0	5
5223	Sanak	7/19	54° 40.03'	-161° 52.99'	31	6.0	583	25	530	82	0	0	0
5224	Sanak	7/13	54° 40.00'	-162° 44.06'	46	6.0	160	11	275	41	0	30	0
5225	Sanak	7/2	54° 50.04'	-160° 44.00'	54	6.0	150	10	138	20	0	114	0
5226	Sanak	7/8	54° 50.03'	-161° 01.02'	56	6.0	369	16	340	50	0	55	0
5227	Sanak	7/8	54° 49.94'	-161° 18.03'	55	6.0	251	16	270	43	0	30	0
5228	Sanak	7/9	54° 49.91'	-161° 36.00'	42	6.0	326	13	287	39	0	45	5
5229	Sanak	7/13	54° 50.00'	-162° 45.16'	27	6.0	259	12	153	24	0	105	0
5230	Sanak	7/13	54° 50.00'	-163° 03.02'	45	6.0	292	17	72	10	0	0	0
5231	Sanak	7/10	55° 00.00'	-161° 01.16'	56	6.0	283	17	317	44	0	35	0
5232	Sanak	7/10	55° 00.00'	-161° 18.89'	50	6.0	316	15	351	48	0	129	5
5233	Sanak	7/10	55° 10.00'	-161° 02.16'	57	6.0	411	19	453	65	0	0	0
5234	Semidi	6/26	55° 21.92'	-156° 02.99'	120	6.0	213	15	230	27	70	0	0
5236	Semidi	6/26	55° 29.98'	-155° 44.98'	120	6.0	67	5	115	17	35	70	15
5237	Semidi	6/26	55° 30.02'	-156° 02.96'	112	6.0	134	9	137	25	25	30	0
5238	Semidi	6/27	55° 30.01'	-156° 19.80'	120	6.0	299	21	169	26	35	35	5
5239	Semidi	6/10	55° 40.06'	-155° 26.00'	100	5.9	162	12	420	63	10	89	0
5240	Semidi	6/10	55° 39.98'	-155° 43.87'	70	6.0	388	27	506	73	0	160	0
5241	Semidi	6/10	55° 40.05'	-156° 02.01'	127	5.9	630	38	265	34	74	50	0
5242	Semidi	6/27	55° 39.89'	-156° 18.98'	141	6.0	834	46	112	14	25	0	0
5243	Semidi	6/27	55° 40.04'	-156° 37.01'	133	5.9	245	16	86	13	0	0	5
5244	Semidi	6/9	55° 49.99'	-155° 06.72'	66	6.0	469	33	886	138	0	25	0
5245	Semidi	6/10	55° 49.95'	-155° 24.98'	28	6.0	141	7	303	49	0	165	0
5246	Semidi	7/12	55° 49.94'	-156° 00.97'	56	6.0	1,505	101	901	115	0	94	0
5247	Semidi	7/12	55° 50.26'	-156° 19.00'	132	6.0	41	2	35	4	30	0	0
5248	Semidi	6/25	55° 49.91'	-156° 36.00'	127	5.9	304	21	177	26	0	25	5
5249	Semidi	6/25	55° 50.00'	-156° 53.94'	75	6.0	770	54	419	61	0	95	0
5250	Semidi	6/28	56° 00.03'	-155° 42.01'	27	6.0	98	8	291	51	0	200	0
5251	Semidi	7/12	55° 59.78'	-155° 59.96'	43	6.0	559	32	506	86	0	35	0
5252	Semidi	7/12	56° 00.00'	-156° 17.38'	117	6.0	140	8	24	3	40	210	5

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.



## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
5253	Semidi	6/25	55° 59.91'	-156° 34.00'	108	6.0	481	22	51	6	0	241	0
5254	Semidi	7/16	55° 59.92'	-157° 11.00'	62	6.0	188	13	425	67	0	190	0
5255	Semidi	7/17	56° 10.36'	-155° 58.90'	119	6.0	893	66	464	58	10	105	0
5256	Semidi	7/17	56° 09.70'	-156° 16.99'	125	6.0	285	15	8	1	35	218	0
5257	Semidi	7/13	56° 09.92'	-156° 35.01'	104	6.0	644	40	329	43	0	285	0
5258	Semidi	7/13	56° 10.25'	-156° 52.99'	47	6.0	323	15	81	15	0	80	0
5259	Semidi	7/22	56° 10.07'	-157° 11.00'	57	6.0	274	14	318	53	0	153	0
5260	Semidi	7/22	56° 09.71'	-157° 29.01'	86	6.0	827	52	626	84	0	130	0
5261	Semidi	7/17	56° 19.61'	-155° 58.00'	115	6.0	814	50	406	51	30	20	5
5262	Semidi	7/17	56° 19.80'	-156° 15.98'	154	6.0	297	18	59	7	45	65	0
5263	Semidi	7/13	56° 19.49'	-156° 34.01'	103	6.0	787	47	271	38	10	105	0
5264	Semidi	7/13	56° 19.96'	-156° 51.15'	62	5.9	371	20	481	69	0	183	0
5265	Semidi	7/22	56° 19.89'	-157° 09.96'	96	6.0	409	20	248	31	0	257	0
5266	Semidi	7/22	56° 19.52'	-157° 27.99'	37	6.0	616	30	733	114	0	0	5
5267	Semidi	7/23	56° 20.04'	-157° 45.97'	32	6.0	288	16	496	76	0	35	0
5268	Semidi	7/5	56° 30.02'	-155° 57.00'	135	6.0	596	42	351	43	0	35	0
5269	Semidi	7/5	56° 29.99'	-156° 14.88'	143	6.0	236	16	104	12	25	74	0
5270	Semidi	7/21	56° 30.27'	-156° 32.98'	106	6.0	800	46	391	50	0	50	0
5271	Semidi	7/24	56° 30.00'	-156° 52.12'	44	6.0	383	16	413	69	0	88	0
5272	Semidi	7/24	56° 30.02'	-157° 28.01'	80	6.0	652	35	424	58	0	120	0
5273	Semidi	7/5	56° 40.02'	-156° 14.19'	115	6.0	491	27	215	27	15	104	0
5274	Semidi	7/21	56° 40.00'	-156° 32.31'	82	5.9	846	44	304	41	0	79	0
5275	Semidi	7/21	56° 39.91'	-156° 50.50'	54	6.0	467	21	396	58	0	160	0
5276	Semidi	7/24	56° 40.06'	-157° 09.00'	73	6.0	560	31	181	25	0	210	0
5277	Semidi	7/6	56° 49.98'	-156° 13.00'	106	6.0	908	49	638	87	0	65	0
5278	Semidi	7/6	56° 50.08'	-156° 32.00'	61	6.0	844	37	375	59	0	84	0
5279	Semidi	7/21	56° 49.81'	-156° 50.00'	64	6.0	234	12	67	9	0	155	0
5280	Semidi	7/6	57° 00.00'	-156° 13.00'	87	5.9	504	29	192	25	0	144	0
6001	Unalaska	8/24	52° 30.00'	-169° 41.04'	134	6.0	103	6	64	8	15	65	0
6002	Unalaska	8/24	52° 30.05'	-169° 57.98'	128	6.0	477	21	121	14	25	45	0
6003	Unalaska	8/25	52° 30.00'	-170° 46.04'	81	6.0	225	12	651	85	0	119	0
6004	Unalaska	6/16	52° 39.98'	-169° 09.32'	59	6.0	321	16	157	22	0	103	0
6005	Unalaska	6/16	52° 40.02'	-169° 24.81'	92	6.0	455	24	194	23	0	80	15
6006	Unalaska	8/23	52° 39.95'	-169° 44.94'	39	6.0	960	44	320	40	0	145	0
6007	Unalaska	8/23	52° 39.94'	-169° 58.00'	153	6.0	325	19	33	4	20	20	30
6008	Unalaska	8/25	52° 40.06'	-170° 47.85'	47	6.0	165	8	186	41	0	64	0
6009	Unalaska	9/5	52° 43.00'	-171° 22.32'	87	6.0	269	12	35	5	0	95	0
6010	Unalaska	6/17	52° 49.97'	-168° 36.11'	54	6.0	759	42	275	34	0	126	10
6011	Unalaska	6/17	52° 49.97'	-168° 51.86'	31	6.0	998	31	186	30	0	103	0
6012	Unalaska	9/4	52° 50.02'	-170° 15.95'	81	6.1	655	36	222	27	0	115	0
6013	Unalaska	9/5	52° 50.01'	-171° 21.09'	99	6.0	0	0	5	1	0	10	0
6015	Unalaska	6/12	53° 00.04'	-167° 29.23'	99	6.0	0	0	0	0	0	15	0
6016	Unalaska	6/12	53° 00.00'	-167° 45.59'	55	6.1	138	7	249	38	0	96	0
6017	Unalaska	6/18	53° 00.02'	-168° 02.27'	64	6.0	67	4	64	10	0	75	0
6018	Unalaska	6/18	52° 59.98'	-168° 19.08'	45	6.0	332	14	143	21	0	170	0
6019	Unalaska	9/3	52° 59.99'	-169° 09.04'	117	6.1	334	20	184	22	5	141	10
6020	Unalaska	9/4	53° 00.01'	-169° 59.01'	64	5.9	37	2	97	17	0	59	0
6021	Unalaska	9/4	53° 00.07'	-170° 12.46'	101	6.1	40	3	75	8	0	168	0
6022	Unalaska	6/10	53° 10.00'	-166° 56.22'	114	6.0	12	1	30	6	15	15	0
6023	Unalaska	6/11	53° 09.98'	-167° 11.81'	61	6.0	123	7	29	4	0	69	0
6024	Unalaska	6/11	53° 09.97'	-167° 28.66'	50	6.0	99	7	146	18	0	125	0
6025	Unalaska	6/12	53° 10.00'	-167° 45.83'	43	6.0	761	26	71	9	0	95	0
6026	Unalaska	6/18	53° 09.96'	-168° 02.07'	34	6.0	62	5	81	12	0	94	0
6027	Unalaska	6/15	53° 09.99'	-168° 51.74'	121	6.1	980	54	212	26	0	159	5
6028	Unalaska	9/3	53° 09.87'	-169° 42.00'	156	6.0	740	25	35	4	0	165	0
6030	Unalaska	6/5	53° 20.07'	-166° 22.06'	133	6.0	27	2	79	12	65	0	0
6031	Unalaska	6/10	53° 19.95'	-166° 37.81'	74	6.0	0	0	12	2	0	15	0
6032	Unalaska	6/10	53° 20.02'	-166° 54.70'	51	6.1	313	7	80	13	0	172	0
6033	Unalaska	6/11	53° 20.01'	-167° 11.77'	41	6.0	312	17	46	7	0	75	0
6034	Unalaska	6/15	53° 20.00'	-168° 36.00'	43	6.0	260	11	51	8	0	175	0
6035	Unalaska	6/4	53° 29.99'	-165° 48.00'	120	6.0	38	3	69	11	50	0	15

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
6036	Unalaska	6/4	53° 29.99'	-166° 03.79'	73	6.0	27	2	59	9	0	55	0
6037	Unalaska	6/5	53° 29.98'	-166° 21.19'	65	6.0	51	3	47	7	0	60	0
6038	Unalaska	6/13	53° 29.96'	-167° 28.05'	45	6.0	75	5	35	4	0	145	0
6039	Unalaska	6/6	53° 39.90'	-164° 38.48'	195	6.0	0	0	6	1	65	0	5
6040	Unalaska	6/6	53° 40.11'	-164° 55.27'	180	6.0	0	0	7	1	54	0	15
6041	Unalaska	6/6	53° 40.09'	-165° 13.15'	192	2.3	0	0	42	5	4	0	11
6042	Unalaska	6/3	53° 40.07'	-165° 30.27'	83	6.0	67	5	82	12	0	75	0
6043	Unalaska	6/3	53° 39.98'	-165° 46.78'	68	6.0	37	2	175	26	0	45	0
6044	Unalaska	6/4	53° 40.06'	-166° 04.10'	47	5.9	89	3	9	1	0	150	0
6045	Unalaska	6/13	53° 40.02'	-167° 11.04'	36	6.0	971	29	134	16	0	95	0
6046	Unalaska	6/13	53° 40.14'	-167° 27.94'	241	6.0	1,127	64	219	26	45	40	20
6047	Unalaska	5/31	53° 50.02'	-163° 48.28'	49	6.1	520	33	563	80	0	85	15
6048	Unalaska	5/31	53° 50.02'	-164° 04.92'	43	6.1	324	19	457	61	0	116	5
6049	Unalaska	5/31	53° 50.06'	-164° 21.59'	48	5.9	432	26	499	78	0	54	0
6050	Unalaska	6/1	53° 50.00'	-164° 39.09'	54	6.0	133	7	252	38	0	10	0
6051	Unalaska	6/1	53° 50.08'	-164° 56.00'	62	6.0	33	2	77	13	0	20	0
6052	Unalaska	6/1	53° 50.06'	-165° 11.71'	57	6.1	0	0	69	15	0	35	0
6053	Unalaska	6/3	53° 50.10'	-165° 29.57'	52	6.0	36	2	81	11	0	114	0
6054	Unalaska	6/2	53° 50.07'	-165° 46.10'	42	6.0	111	4	44	8	0	130	0
6055	Unalaska	6/2	53° 50.22'	-166° 03.19'	42	6.0	115	7	311	49	0	20	0
6056	Unalaska	6/2	53° 49.99'	-166° 19.93'	143	5.8	118	5	61	8	0	174	0
6057	Unalaska	5/29	54° 00.05'	-164° 05.63'	41	6.0	325	22	364	51	0	50	0
6058	Unalaska	5/29	54° 00.05'	-164° 22.75'	54	5.8	60	5	112	20	0	63	0
6059	Unalaska	5/30	53° 59.94'	-164° 40.03'	54	5.9	107	8	261	36	0	20	0
6060	Unalaska	6/25	54° 00.03'	-164° 56.98'	44	6.0	68	5	93	15	0	149	0
6061	Unalaska	6/25	54° 00.00'	-165° 11.89'	41	6.0	519	21	457	69	0	0	0
6062	Unalaska	6/7	54° 00.00'	-165° 29.01'	40	6.0	110	6	62	9	0	80	0
6063	Unalaska	6/7	54° 00.02'	-165° 46.26'	48	6.0	930	36	339	41	0	0	0
6064	Unalaska	5/29	54° 10.04'	-164° 04.09'	39	6.0	11	1	80	11	0	190	0
6065	Unalaska	5/30	54° 10.07'	-164° 25.25'	48	6.0	63	5	190	29	0	40	0
6066	Unalaska	5/30	54° 08.98'	-164° 42.02'	41	5.9	138	6	55	10	0	188	0
7001	4A Edge	6/24	54° 30.01'	-165° 44.00'	205	6.0	75	6	878	131	0	0	0
7002	4A Edge	6/23	54° 30.02'	-166° 19.00'	270	6.0	832	36	63	7	5	0	0
7003	4A Edge	6/23	54° 30.00'	-166° 32.53'	264	6.0	513	26	10	1	20	0	0
7004	4A Edge	6/22	54° 29.98'	-166° 53.02'	261	5.9	144	7	0	0	50	0	10
7006	4A Edge	6/26	54° 40.01'	-165° 26.05'	112	6.0	0	0	140	20	0	60	0
7007	4A Edge	6/24	54° 40.00'	-165° 43.22'	183	6.1	215	15	479	62	0	35	0
7008	4A Edge	6/24	54° 40.00'	-166° 00.96'	180	6.0	220	14	721	88	5	10	0
7009	4A Edge	6/23	54° 39.94'	-166° 18.00'	174	6.0	228	15	135	16	0	15	0
7010	4A Edge	6/22	54° 39.99'	-166° 35.01'	185	6.0	741	45	174	20	5	0	5
7011	4A Edge	6/22	54° 40.05'	-166° 53.01'	208	6.0	983	53	78	9	0	0	0
7013	4A Edge	6/26	54° 50.05'	-165° 25.00'	82	5.9	63	4	123	16	0	0	0
7014	4A Edge	6/26	54° 50.00'	-165° 42.86'	85	6.0	36	3	273	44	0	60	0
7015	4A Edge	6/27	54° 49.99'	-166° 00.00'	85	6.0	184	11	111	14	0	60	0
7016	4A Edge	6/27	54° 50.00'	-166° 17.96'	90	6.0	179	11	15	2	0	125	0
7017	4A Edge	6/27	54° 50.00'	-166° 35.05'	108	6.0	224	11	33	4	0	30	0
7021	4A Edge	6/28	55° 00.00'	-166° 34.05'	80	6.0	249	14	34	4	0	50	0
7022	4A Edge	6/28	55° 00.00'	-166° 52.00'	84	6.0	261	13	22	3	0	20	0
7025	4A Edge	6/28	55° 10.00'	-166° 34.05'	77	6.0	417	19	47	6	0	125	0
7026	4A Edge	6/28	55° 10.00'	-166° 51.00'	79	6.0	288	15	74	9	0	65	0
7028	4A Edge	8/18	55° 09.98'	-167° 26.01'	88	6.0	315	19	146	17	0	111	0
7029	4A Edge	8/18	55° 09.99'	-167° 44.00'	166	6.0	370	23	126	14	0	44	0
7030	4A Edge	8/18	55° 20.04'	-167° 44.00'	90	6.0	181	9	112	14	0	141	0
7031	4A Edge	6/29	55° 19.92'	-168° 00.96'	199	6.0	869	48	78	8	0	5	0
7032	4A Edge	6/29	55° 30.04'	-168° 00.72'	78	6.0	161	9	57	9	0	135	0
7033	4A Edge	6/29	55° 30.04'	-168° 19.14'	136	6.0	59	4	35	4	0	85	0
7034	4A Edge	8/10	55° 40.09'	-168° 37.09'	79	6.0	0	0	9	1	0	15	0
7035	4A Edge	8/9	55° 50.16'	-168° 37.00'	79	6.0	151	6	17	5	0	75	0
7036	4A Edge	8/10	55° 50.33'	-168° 52.08'	121	6.0	54	4	28	3	0	50	0
7037	4A Edge	8/9	56° 00.09'	-168° 19.09'	87	6.0	0	0	12	2	0	70	0
7038	4A Edge	8/9	55° 59.83'	-168° 36.89'	137	6.0	374	12	6	1	0	75	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
7039	4A Edge	8/6	56° 00.09'	-169° 48.71'	137	6.1	16	1	22	3	0	5	0
7040	4A Edge	8/5	55° 59.50'	-170° 05.88'	98	6.0	86	6	76	10	0	5	0
7042	4A Edge	8/7	56° 09.96'	-168° 19.04'	90	6.1	133	6	128	17	0	66	0
7043	4A Edge	8/7	56° 10.00'	-168° 37.39'	178	6.0	547	27	15	2	0	145	10
7044	4A Edge	8/7	56° 10.02'	-168° 55.20'	141	6.1	77	5	38	4	0	30	0
7045	4A Edge	8/6	56° 09.96'	-169° 31.11'	268	6.0	37	2	19	2	35	0	5
7046	4A Edge	8/5	56° 10.05'	-170° 41.94'	75	6.0	0	0	8	2	0	100	0
7049	4A Edge	7/5	56° 20.06'	-169° 13.00'	75	5.9	76	5	149	21	0	25	0
6067	Adak	7/14	51° 09.96'	-179° 00.10'	253	6.0	171	11	30	3	15	0	10
6069	Adak	6/27	51° 30.14'	-176° 52.09'	183	6.0	825	42	51	6	75	25	30
6070	Adak	7/15	51° 30.09'	-178° 29.07'	99	6.1	267	20	649	99	5	30	0
6071	Adak	7/14	51° 29.92'	-178° 44.75'	140	6.0	557	32	266	37	15	10	90
6072	Adak	6/26	51° 39.91'	-175° 48.08'	260	6.0	325	13	17	2	10	0	20
6073	Adak	6/26	51° 39.98'	-176° 04.12'	158	6.0	613	33	93	10	0	10	0
6074	Adak	6/26	51° 40.02'	-176° 20.04'	83	6.1	285	10	429	73	0	35	0
6075	Adak	6/27	51° 39.85'	-177° 09.29'	66	6.0	295	19	523	88	0	55	0
6076	Adak	6/27	51° 40.02'	-177° 24.61'	78	6.0	254	12	206	29	0	104	0
6077	Adak	7/15	51° 39.50'	-178° 13.29'	40	6.0	896	28	298	44	0	104	0
6078	Adak	7/15	51° 40.04'	-178° 29.20'	243	6.0	828	41	75	8	45	0	0
6079	Adak	6/18	51° 50.03'	-174° 26.88'	121	5.9	541	30	216	28	0	10	0
6080	Adak	6/19	51° 49.96'	-174° 42.67'	116	6.0	314	20	248	37	0	15	0
6081	Adak	6/19	51° 50.03'	-175° 00.08'	115	5.9	576	32	174	23	0	0	0
6082	Adak	6/25	51° 50.06'	-175° 16.56'	106	6.0	56	3	92	15	0	0	0
6083	Adak	6/25	51° 49.91'	-175° 32.30'	91	6.0	271	15	378	64	0	10	0
6084	Adak	6/25	51° 49.99'	-175° 48.00'	67	6.0	57	5	331	53	0	15	0
6085	Adak	6/17	52° 00.08'	-173° 21.76'	39	5.9	343	16	131	19	0	84	0
6086	Adak	6/17	52° 00.30'	-173° 38.17'	39	5.9	411	19	147	21	0	49	5
6087	Adak	6/17	52° 00.15'	-173° 53.86'	42	6.0	635	24	266	37	0	50	0
6088	Adak	6/18	52° 00.22'	-174° 10.84'	53	5.9	45	2	388	69	0	10	0
6089	Adak	6/18	51° 59.83'	-174° 26.84'	39	5.9	36	3	87	15	0	54	0
6090	Adak	6/19	51° 59.94'	-174° 59.14'	38	6.0	159	6	93	14	0	45	0
6091	Adak	6/13	51° 59.61'	-176° 20.98'	89	6.0	352	21	317	41	0	10	0
6092	Adak	7/19	52° 00.14'	179° 27.20'	46	6.0	373	13	20	3	0	0	0
6093	Adak	6/16	52° 09.90'	-172° 48.78'	76	5.9	603	33	194	24	0	39	0
6094	Adak	6/16	52° 10.00'	-173° 04.62'	46	6.0	397	19	397	60	0	114	0
6095	Adak	6/16	52° 09.92'	-173° 20.48'	51	6.0	716	31	375	57	0	0	0
6096	Adak	6/15	52° 10.10'	-173° 53.92'	43	5.9	687	34	296	42	0	147	0
6097	Adak	6/14	52° 10.06'	-174° 43.14'	61	5.9	472	22	190	26	0	49	0
6098	Adak	6/14	52° 10.05'	-174° 58.89'	64	6.0	160	10	286	45	0	0	0
6099	Adak	6/14	52° 10.00'	-175° 15.20'	134	6.0	645	31	101	14	0	80	5
6100	Adak	6/13	52° 09.86'	-175° 47.39'	142	6.0	1,136	52	219	27	29	29	15
6101	Adak	7/19	52° 10.05'	179° 28.30'	152	6.0	829	17	0	0	0	0	0
6102	Adak	7/17	52° 10.08'	-179° 42.15'	156	6.0	1,067	20	0	0	0	0	0
6103	Adak	7/19	52° 09.99'	179° 43.43'	52	6.0	287	6	19	3	0	0	0
6104	Adak	7/17	52° 10.20'	-179° 58.22'	53	6.1	70	1	17	2	0	0	0
6105	Adak	6/15	52° 20.09'	-173° 52.88'	60	6.0	464	27	431	69	0	15	0
6106	Adak	7/17	52° 20.07'	-179° 41.37'	158	6.0	83	1	0	0	0	0	5
6107	Adak	7/18	52° 20.11'	179° 44.93'	73	6.1	839	25	5	1	0	0	0
6108	Adak	7/18	52° 19.95'	-179° 57.14'	68	6.1	167	5	7	1	0	0	0
6109	Adak	6/15	52° 29.91'	-173° 36.20'	220	5.8	106	3	0	0	25	0	20
6110	Adak	7/16	52° 30.12'	-179° 40.87'	52	6.0	207	7	6	1	0	0	0
6111	Adak	7/18	52° 29.98'	179° 46.04'	227	6.0	0	0	0	0	0	0	5
6112	Adak	7/16	52° 40.11'	-179° 25.14'	72	6.1	238	3	0	0	0	0	5
6113	Attu	8/17	51° 20.05'	179° 07.01'	49	6.1	988	21	0	0	0	40	5
6114	Attu	8/17	51° 29.98'	178° 36.04'	125	6.1	189	7	10	1	0	15	85
6115	Attu	8/17	51° 28.84'	178° 52.04'	51	6.0	206	4	0	0	0	29	0
6116	Attu	8/9	51° 40.24'	175° 38.98'	86	6.0	0	0	0	0	0	0	20
6117	Attu	7/22	51° 40.08'	178° 04.00'	157	6.1	160	5	0	0	0	5	65
6118	Attu	7/22	51° 39.98'	178° 20.85'	73	6.0	894	43	28	3	0	125	0
6119	Attu	8/9	51° 49.99'	175° 38.84'	90	6.1	0	0	0	0	5	0	0
6120	Attu	8/9	51° 49.95'	175° 55.97'	71	6.0	0	0	0	0	0	0	0

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

2 Weights are calculated from length-weight tables.

3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
6121	Attu	8/12	51° 50.01'	177° 32.91'	61	6.1	117	5	0	0	0	0	0
6122	Attu	8/12	51° 50.16'	177° 49.06'	59	6.1	169	7	9	1	0	10	0
6123	Attu	7/21	51° 49.97'	178° 21.05'	140	6.0	947	17	11	1	0	25	5
6124	Attu	8/8	51° 59.88'	175° 56.13'	55	6.1	0	0	0	0	0	0	26
6125	Attu	8/10	52° 00.02'	176° 44.78'	51	6.0	530	17	10	1	0	75	0
6126	Attu	8/10	52° 00.08'	177° 15.40'	52	6.1	301	7	0	0	0	40	0
6127	Attu	8/12	51° 59.93'	177° 49.91'	62	6.0	242	10	0	0	0	0	0
6128	Attu	7/21	52° 00.03'	178° 22.41'	65	6.0	541	22	10	1	0	30	0
6129	Attu	8/4	52° 10.03'	173° 46.02'	80	6.1	0	0	0	0	0	30	0
6130	Attu	8/8	52° 10.21'	175° 07.05'	89	6.0	200	2	0	0	0	0	0
6131	Attu	8/8	52° 10.06'	175° 22.80'	194	6.0	49	1	0	0	0	0	25
6132	Attu	8/4	52° 19.97'	173° 28.91'	40	6.0	320	16	42	5	0	80	0
6133	Attu	8/4	52° 17.54'	173° 44.90'	39	6.0	71	5	15	2	0	140	0
6134	Attu	8/5	52° 19.50'	174° 01.18'	71	6.0	114	3	8	1	0	40	0
6135	Attu	8/5	52° 20.09'	174° 18.06'	109	6.0	95	3	0	0	0	20	0
6137	Attu	8/3	52° 30.06'	172° 56.37'	138	6.1	59	3	0	0	0	35	0
6138	Attu	8/3	52° 30.11'	173° 11.96'	62	6.0	405	7	45	6	0	20	0
6139	Attu	8/3	52° 29.82'	173° 28.95'	84	6.1	569	17	26	3	0	5	0
6140	Attu	8/6	52° 30.08'	174° 01.80'	67	6.0	475	15	17	2	0	15	0
6141	Attu	8/5	52° 29.93'	174° 17.50'	61	6.1	329	14	0	0	0	5	0
6142	Attu	8/7	52° 30.16'	174° 34.16'	179	6.1	587	22	10	1	0	0	15
6143	Attu	8/7	52° 30.09'	174° 50.87'	172	6.0	384	12	0	0	0	0	0
6144	Attu	8/1	52° 40.18'	172° 54.97'	65	6.0	572	21	8	1	0	45	0
6145	Attu	8/1	52° 40.05'	173° 11.89'	55	6.1	73	1	34	5	0	20	0
6146	Attu	8/2	52° 39.97'	173° 28.23'	48	6.0	509	19	37	5	0	5	0
6147	Attu	8/2	52° 39.99'	173° 45.04'	56	6.0	301	12	0	0	0	0	0
6148	Attu	8/6	52° 40.03'	174° 00.95'	39	6.0	25	2	30	3	0	15	0
6149	Attu	8/6	52° 40.02'	174° 17.79'	26	6.1	539	29	44	5	0	20	0
6150	Attu	7/31	52° 50.00'	172° 05.45'	135	6.1	276	14	51	6	0	20	35
6151	Attu	7/31	52° 50.16'	172° 22.17'	163	6.0	105	6	21	2	0	0	80
6152	Attu	8/1	52° 50.16'	172° 37.89'	52	6.1	371	12	80	10	0	61	0
6153	Attu	8/2	52° 49.97'	173° 44.86'	64	6.0	0	0	0	0	0	50	0
6154	Attu	7/30	53° 00.07'	170° 57.96'	274	6.0	0	0	0	0	10	0	50
6155	Attu	7/31	53° 00.05'	172° 21.05'	108	6.1	179	10	0	0	0	0	0
6156	Attu	7/30	53° 10.10'	170° 56.97'	64	6.0	110	3	0	0	0	0	0
6157	Attu	7/30	53° 20.02'	170° 38.98'	209	6.1	0	0	0	0	10	0	20
9501	4A Edge	8/6	56° 19.98'	-169° 27.78'	80	6.0	25	2	128	20	0	119	0
9502	4A Edge	7/6	56° 25.00'	-169° 19.87'	62	6.0	226	15	217	28	0	80	0
9503	4A Edge	7/6	56° 24.99'	-169° 38.04'	54	6.0	232	9	91	12	0	185	0
9504	4A Edge	7/5	56° 29.95'	-169° 14.00'	52	5.9	307	9	45	7	0	72	0
9505	4A Edge	7/6	56° 29.98'	-169° 30.12'	44	6.0	380	18	36	4	0	104	0
9506	4A Edge	7/4	56° 30.00'	-169° 49.36'	48	6.0	167	10	85	12	0	144	0
9507	4A Edge	8/17	56° 34.98'	-169° 22.01'	29	6.0	275	14	95	12	0	108	0
9508	4A Edge	7/5	56° 39.88'	-169° 12.00'	35	6.0	41	3	38	6	0	208	0
9509	4A Edge	7/4	56° 40.00'	-169° 30.11'	42	5.9	155	9	53	7	0	109	0
9510	4A Edge	7/4	56° 40.01'	-169° 47.88'	42	6.0	187	10	42	6	0	130	0
9511	4D Edge	8/3	57° 00.09'	-170° 09.92'	36	6.0	48	3	96	14	0	115	0
9512	4D Edge	8/3	57° 00.08'	-170° 28.88'	42	6.1	183	11	75	12	0	110	0
9513	4D Edge	8/3	57° 05.06'	-170° 03.04'	32	6.0	138	9	226	37	0	85	0
9514	4D Edge	8/15	57° 05.02'	-170° 37.89'	40	6.0	132	10	64	11	0	29	0
9515	4D Edge	8/15	57° 09.95'	-170° 29.00'	31	6.1	115	8	88	18	0	70	0
9516	4D Edge	8/16	57° 15.01'	-170° 20.02'	12	5.8	533	20	136	21	0	5	0
9517	4D Edge	8/15	57° 14.96'	-170° 40.02'	40	5.9	210	13	78	13	0	157	0
9518	4D Edge	8/16	57° 20.01'	-169° 55.01'	32	6.1	361	16	104	17	0	131	0
9519	4D Edge	8/16	57° 19.96'	-170° 13.02'	29	6.0	165	8	204	35	0	10	0
9520	4D Edge	8/15	57° 20.05'	-170° 30.00'	35	6.0	340	12	102	14	0	65	0
7050	4D Edge	8/4	56° 20.00'	-171° 18.85'	79	6.0	35	2	64	9	0	40	0
7051	4D Edge	8/4	56° 30.00'	-171° 37.31'	81	6.0	15	1	70	10	0	70	0
7052	4D Edge	8/4	56° 30.18'	-171° 57.00'	208	6.1	191	11	0	0	0	10	5
7053	4D Edge	7/31	56° 40.22'	-173° 06.96'	82	6.0	0	0	13	2	0	50	0
7054	4D Edge	7/31	56° 49.96'	-173° 25.04'	255	6.0	161	7	8	1	25	0	45

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3 Bycatch numbers extrapolated from 20% subsample.

## 2013 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>			
							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish	
7055	4D Edge	7/31	56° 59.95'	-173° 25.12'	101	6.0	129	6	26	3	0	69	5	
7056	4D Edge	7/30	57° 00.11'	-173° 43.01'	261	6.0	0	0	0	0	5	0	5	
7057	4D Edge	7/30	57° 09.96'	-173° 43.05'	80	5.9	16	1	0	0	0	34	0	
7058	4D Edge	7/30	57° 20.24'	-173° 43.02'	75	6.0	108	6	56	9	0	50	0	
7059	4D Edge	7/29	57° 40.21'	-173° 43.02'	74	6.0	12	1	84	13	0	35	0	
7060	4D Edge	7/29	57° 49.72'	-173° 43.01'	89	6.0	83	5	34	4	0	70	0	
7061	4D Edge	7/28	58° 20.12'	-174° 20.03'	108	5.9	0	0	14	2	0	20	0	
7062	4D Edge	7/26	58° 19.98'	-175° 17.06'	192	6.0	1,360	72	97	11	0	0	0	
7063	4D Edge	7/28	58° 29.78'	-174° 20.05'	78	6.0	13	1	4	1	0	35	0	
7064	4D Edge	7/26	58° 29.80'	-175° 17.98'	97	6.0	351	15	124	16	0	20	0	
7065	4D Edge	7/27	58° 29.82'	-175° 36.90'	98	6.0	99	6	34	4	0	40	0	
7067	4D Edge	7/25	58° 40.25'	-174° 20.04'	89	6.0	0	0	7	1	0	0	0	
7068	4D Edge	7/25	58° 39.91'	-174° 38.95'	114	6.0	68	3	26	3	0	10	0	
7069	4D Edge	7/25	58° 39.51'	-174° 58.94'	127	6.0	421	24	101	12	0	15	5	
7070	4D Edge	7/26	58° 40.26'	-175° 17.95'	131	6.0	82	3	60	9	0	10	0	
7071	4D Edge	7/27	58° 39.95'	-175° 56.18'	76	6.0	43	3	14	3	0	20	0	
7072	4D Edge	7/27	58° 39.98'	-176° 16.09'	76	6.0	19	1	9	2	0	30	0	
7073	4D Edge	7/16	58° 40.00'	-177° 13.18'	79	6.0	148	10	96	13	0	65	0	
7074	4D Edge	7/16	58° 50.00'	-177° 33.05'	75	6.0	0	0	35	5	0	95	0	
7075	4D Edge	7/16	58° 49.95'	-177° 52.96'	217	6.0	209	10	0	0	5	0	0	
7076	4D Edge	7/15	59° 00.00'	-177° 54.12'	76	6.0	302	9	116	14	0	15	0	
7077	4D Edge	7/15	59° 00.00'	-178° 14.25'	137	6.0	1,040	40	129	15	0	20	0	
7078	4D Edge	7/9	59° 10.00'	-176° 55.97'	80	6.0	83	3	38	6	0	65	0	
7079	4D Edge	7/9	59° 10.00'	-177° 15.90'	83	6.0	41	2	31	5	0	40	0	
7080	4D Edge	7/14	59° 10.00'	-177° 35.14'	92	5.9	55	2	50	6	0	40	0	
7081	4D Edge	7/15	59° 09.95'	-177° 55.00'	101	6.0	35	2	21	3	0	35	0	
7082	4D Edge	7/15	59° 09.95'	-178° 14.00'	76	6.0	51	3	32	4	0	15	0	
7083	4D Edge	7/9	59° 19.95'	-176° 57.01'	80	6.0	0	0	33	5	0	63	0	
7084	4D Edge	7/14	59° 19.92'	-177° 17.00'	88	6.0	0	0	4	1	0	10	0	
7085	4D Edge	7/14	59° 19.97'	-177° 36.00'	144	6.0	29	2	57	7	0	20	0	
7086	4D Edge	7/10	59° 30.00'	-176° 38.09'	78	6.0	0	0	7	1	0	35	0	
7087	4D Edge	7/10	59° 30.00'	-176° 58.05'	84	6.0	81	3	4	1	0	74	0	
7088	4D Edge	7/11	59° 30.00'	-177° 18.13'	85	6.0	63	3	21	3	0	55	0	
7089	4D Edge	7/11	59° 30.00'	-177° 37.00'	128	6.0	91	6	61	9	0	30	0	
7090	4D Edge	7/13	59° 30.02'	-177° 57.00'	221	6.0	987	42	105	13	0	0	0	
7091	4D Edge	7/13	59° 29.99'	-178° 17.28'	146	6.0	247	12	42	5	0	10	0	
7092	4D Edge	7/10	59° 40.02'	-176° 59.00'	85	6.0	0	0	24	4	0	70	0	
7093	4D Edge	7/11	59° 39.97'	-177° 19.00'	113	6.0	15	1	0	0	0	25	0	
7094	4D Edge	7/11	59° 40.06'	-177° 39.00'	127	6.0	323	8	14	3	0	45	0	
7095	4D Edge	7/13	59° 40.00'	-177° 57.87'	92	6.0	191	10	52	6	0	50	0	
7096	4D Edge	7/13	59° 40.00'	-178° 17.93'	91	5.9	0	0	42	5	0	38	0	
7097	4D Edge	7/12	59° 49.96'	-177° 59.00'	79	6.1	40	2	23	3	0	101	0	
7098	4D Edge	7/12	59° 50.00'	-178° 19.31'	80	6.0	187	12	32	5	0	64	0	
7099	4D Edge	7/12	59° 50.00'	-178° 39.11'	83	6.0	13	1	46	6	0	110	0	
9521	4D Edge	7/23	60° 10.04'	-172° 19.85'	31	6.0	73	1	6	1	0	20	0	
9522	4D Edge	7/23	60° 10.00'	-172° 40.86'	29	6.0	126	1	13	2	0	35	0	
9523	4D Edge	7/23	60° 20.00'	-172° 04.10'	31	6.0	0	0	0	0	0	0	0	
9524	4D Edge	7/24	60° 20.01'	-172° 46.34'	10	6.0	50	2	0	0	0	0	0	
9525	4D Edge	7/24	60° 20.00'	-173° 04.03'	27	6.0	0	0	7	1	0	139	0	
9526	4D Edge	7/22	60° 30.02'	-172° 26.20'	29	5.9	0	0	0	0	0	5	0	
9527	4D Edge	7/22	60° 30.05'	-172° 44.75'	19	6.0	138	4	43	5	0	30	0	
9528	4D Edge	7/24	60° 30.09'	-173° 07.62'	12	6.0	443	9	0	0	0	0	0	
9530	4D Edge	7/22	60° 40.01'	-172° 46.91'	23	5.9	326	6	0	0	0	132	0	
7041	4A Edge	8/8	56° 10.06'	-168° 01.21'	78	6.1	49	3	26	3	0	66	0	
7047	4A Edge	8/8	56° 20.02'	-168° 00.78'	78	5.7	13	1	46	6	0	99	0	
7048	4A Edge	8/8	56° 19.94'	-168° 18.79'	85	6.0	47	3	79	12	0	45	0	
<b>1276 Total Effective Stations</b>							<b>Totals</b>	<b>659,406</b>	<b>31,502</b>	<b>264,129</b>	<b>36,097</b>	<b>12,481</b>	<b>46,234</b>	<b>8,497</b>

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