

**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
1001	Oregon	7/17	42° 00.66'	-124° 27.00'	51	4.0	0	0	0	0	0	0	0
1002	Oregon	7/17	42° 09.97'	-124° 26.99'	52	4.0	66	3	0	0	0	0	0
1003	Oregon	7/18	42° 19.47'	-124° 41.00'	181	4.0	0	0	8	1	10	0	0
1004	Oregon	7/18	42° 30.57'	-124° 41.00'	65	4.0	402	16	72	9	0	0	0
1005	Oregon	7/16	42° 39.96'	-124° 38.11'	68	4.0	0	0	0	0	0	0	0
1006	Oregon	7/16	42° 50.42'	-124° 40.03'	45	4.0	275	11	13	2	0	0	0
1008	Oregon	7/15	42° 59.23'	-124° 39.99'	68	4.0	47	2	0	0	0	0	0
1009	Oregon	7/15	43° 00.61'	-124° 54.03'	235	3.1	0	0	0	0	15	0	0
1010	Oregon	7/15	43° 09.87'	-124° 39.99'	80	4.0	193	6	0	0	0	0	0
1011	Oregon	7/19	43° 19.97'	-124° 40.00'	101	4.0	0	0	0	0	0	0	0
1012	Oregon	7/21	43° 30.61'	-124° 26.03'	62	4.0	74	3	0	0	0	0	0
1013	Oregon	7/22	43° 30.55'	-124° 39.99'	204	4.0	0	0	0	0	54	0	0
1014	Oregon	7/22	43° 39.88'	-124° 26.00'	66	4.0	72	4	11	1	0	0	0
1015	Oregon	7/22	43° 40.02'	-124° 40.01'	223	4.0	0	0	0	0	54	0	0
1016	Oregon	7/23	43° 49.30'	-124° 26.00'	67	4.0	33	2	0	0	0	0	0
1017	Oregon	7/10	43° 50.05'	-124° 40.00'	194	4.0	0	0	0	0	45	0	5
1018	Oregon	6/10	44° 00.64'	-124° 26.03'	67	4.0	24	1	0	0	0	0	0
1019	Oregon	7/10	43° 59.90'	-124° 40.00'	75	4.0	0	0	0	0	0	0	0
1020	Oregon	7/9	43° 59.25'	-124° 54.00'	43	3.7	370	11	17	2	0	0	51
1021	Oregon	7/11	44° 09.29'	-124° 11.97'	31	3.9	35	1	0	0	0	0	0
1022	Oregon	7/11	44° 09.30'	-124° 26.00'	56	4.0	227	9	22	3	0	0	0
1023	Oregon	7/9	44° 10.51'	-124° 40.00'	65	3.9	33	2	15	2	0	0	0
1024	Oregon	7/9	44° 09.99'	-124° 54.02'	68	4.0	149	6	0	0	0	0	10
1025	Oregon	7/11	44° 20.58'	-124° 12.02'	30	3.9	124	4	0	0	0	0	0
1026	Oregon	7/6	44° 19.22'	-124° 26.00'	49	4.0	146	6	27	4	0	0	0
1027	Oregon	7/8	44° 19.21'	-124° 40.07'	49	4.0	348	15	9	1	0	0	5
1028	Oregon	7/6	44° 29.92'	-124° 12.02'	31	3.9	108	3	0	0	0	0	0
1029	Oregon	7/8	44° 30.41'	-124° 40.01'	121	4.0	14	1	9	1	0	0	0
1030	Oregon	6/29	44° 40.11'	-124° 10.99'	34	3.9	0	0	16	2	0	0	0
1031	Oregon	6/29	44° 40.56'	-124° 24.98'	53	3.9	106	8	127	15	0	0	0
1032	Oregon	6/30	44° 39.86'	-124° 40.00'	156	4.0	44	3	7	1	20	0	0
1033	Oregon	6/30	44° 39.43'	-124° 54.00'	290	4.0	0	0	0	0	10	0	5
1034	Oregon	6/29	44° 50.14'	-124° 10.98'	45	4.0	78	4	66	7	0	0	0
1035	Oregon	6/28	44° 50.49'	-124° 25.06'	84	4.0	291	19	35	4	0	0	0
1036	Oregon	6/30	44° 50.39'	-124° 38.98'	189	3.9	221	14	0	0	5	0	0
1037	Oregon	6/27	44° 59.94'	-124° 11.00'	61	4.0	200	11	100	12	0	0	0
1038	Oregon	6/28	44° 59.24'	-124° 25.00'	145	4.0	168	8	19	2	40	0	0
1039	Oregon	6/28	44° 59.39'	-124° 39.00'	251	4.0	21	1	11	1	10	0	0
1040	Oregon	6/27	45° 10.68'	-124° 11.00'	73	4.0	129	7	110	12	0	0	0
1041	Oregon	6/27	45° 09.19'	-124° 25.00'	200	4.0	0	0	0	0	30	0	0
1042	Oregon	6/23	45° 20.59'	-124° 11.00'	72	4.0	95	7	87	10	0	0	0
1043	Washington	6/26	45° 19.94'	-124° 25.00'	198	4.0	0	0	0	0	25	0	0
1044	Washington	6/26	45° 20.55'	-124° 39.00'	249	4.1	0	0	0	0	56	0	5
1045	Washington	6/23	45° 30.60'	-124° 10.91'	66	4.0	64	3	11	1	0	0	0
1046	Washington	6/23	45° 29.37'	-124° 25.00'	113	4.0	101	7	27	3	5	0	0
1047	Washington	6/26	45° 29.25'	-124° 39.00'	265	4.0	15	1	0	0	45	0	0
1048	Washington	6/22	45° 39.94'	-124° 10.00'	57	4.0	35	2	0	0	0	0	0
1049	Washington	6/21	45° 39.94'	-124° 25.00'	91	4.0	15	1	0	0	5	0	0
1050	Washington	6/21	45° 40.59'	-124° 39.00'	174	4.0	49	4	15	2	15	0	10
1051	Washington	6/22	45° 49.89'	-124° 10.00'	53	4.0	0	0	23	3	0	0	0
1052	Washington	6/22	45° 49.30'	-124° 25.00'	83	4.0	0	0	0	0	0	0	0
1053	Washington	6/21	45° 49.94'	-124° 39.00'	111	3.9	105	6	26	3	10	0	5
1054	Washington	6/17	46° 00.55'	-124° 10.19'	47	4.0	44	2	0	0	0	0	0
1055	Washington	6/17	45° 59.91'	-124° 24.01'	77	3.9	0	0	0	0	0	0	0
1056	Washington	6/20	46° 00.64'	-124° 39.00'	103	4.0	0	0	10	1	0	0	0
1057	Washington	6/20	46° 09.29'	-124° 39.00'	108	4.0	0	0	0	0	5	0	0
1058	Washington	6/16	46° 19.95'	-124° 24.00'	64	4.0	0	0	10	1	0	0	0
1059	Washington	6/16	46° 30.61'	-124° 24.00'	51	4.1	17	1	35	5	0	0	0
1060	Washington	6/15	46° 40.60'	-124° 24.00'	45	4.0	78	5	20	3	0	0	0
1061	Washington	6/15	46° 40.62'	-124° 38.00'	72	4.1	550	28	106	13	0	0	10
1062	Washington	6/15	46° 49.98'	-124° 24.00'	38	4.0	42	2	23	3	0	0	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
1063	Washington	6/11	46° 49.90'	-124° 38.00'	65	4.0	64	4	10	1	0	0	0
1064	Washington	6/11	46° 49.39'	-124° 52.99'	125	3.9	912	48	167	21	24	0	0
1065	Washington	6/12	47° 00.55'	-124° 24.00'	29	4.0	0	0	0	0	0	0	0
1066	Washington	6/12	47° 00.53'	-124° 38.00'	52	4.0	33	2	8	1	0	0	0
1067	Washington	6/11	46° 59.92'	-124° 53.00'	92	4.1	96	6	21	3	0	0	0
1068	Washington	6/12	47° 09.42'	-124° 24.00'	25	4.0	243	9	0	0	0	0	0
1069	Washington	6/10	47° 10.58'	-124° 38.03'	49	4.0	114	5	43	5	0	0	0
1070	Washington	6/10	47° 10.54'	-124° 53.02'	85	4.0	202	13	171	20	0	0	0
1071	Washington	6/10	47° 19.37'	-124° 38.00'	49	4.0	43	2	34	4	0	0	0
1072	Washington	6/9	47° 29.98'	-124° 51.24'	79	4.0	287	11	41	5	0	0	0
1073	Washington	6/9	47° 39.14'	-124° 37.99'	28	4.0	349	16	19	2	0	0	0
1074	Washington	6/6	47° 39.97'	-124° 53.01'	60	4.0	250	13	253	33	0	0	0
1075	Washington	6/6	47° 49.33'	-124° 53.02'	53	3.9	219	12	187	24	0	0	0
1076	Washington	6/6	47° 49.36'	-125° 08.00'	186	4.1	24	1	0	0	25	0	5
1077	Washington	5/27	47° 59.97'	-124° 53.49'	38	4.0	119	8	48	7	0	0	2
1078	Washington	5/27	48° 00.00'	-125° 08.00'	78	4.1	19	1	10	1	1	0	0
1079	Washington	5/28	48° 00.48'	-125° 37.99'	165	4.0	233	15	17	2	18	0	14
1080	Washington	5/27	48° 10.61'	-124° 53.51'	36	4.0	267	12	40	6	0	0	0
1081	Washington	5/29	48° 09.28'	-125° 08.00'	120	3.5	84	4	16	2	17	0	7
1082	Washington	5/29	48° 09.93'	-125° 23.00'	62	4.0	40	3	7	1	0	0	2
1083	Washington	6/5	48° 09.93'	-125° 37.00'	91	4.1	11	1	0	0	0	0	0
1084	Washington	5/29	48° 19.45'	-125° 23.00'	65	4.1	41	1	0	0	0	0	0
1101	Oregon	7/21	43° 20.62'	-124° 26.00'	32	4.0	0	0	0	0	0	0	0
1102	Oregon	7/23	43° 49.27'	-124° 12.00'	18	4.0	62	2	0	0	0	0	0
1103	Oregon	7/23	43° 59.34'	-124° 12.00'	28	3.9	17	1	0	0	0	0	0
1104	Oregon	7/6	44° 29.20'	-124° 25.99'	38	4.0	998	34	79	10	0	0	0
1105	Oregon	7/8	44° 29.94'	-124° 54.02'	244	4.0	0	0	0	0	10	0	0
1107	Washington	6/17	46° 08.26'	-124° 11.00'	40	4.0	29	2	8	1	0	0	0
1108	Washington	6/20	46° 09.29'	-124° 24.00'	67	3.9	20	1	18	2	0	0	0
1115	Washington	6/9	47° 30.32'	-124° 37.99'	37	4.0	103	5	0	0	0	0	0
1126	Washington	5/31	48° 19.40'	-124° 24.87'	33	4.1	150	7	53	8	0	0	0
1517	Washington	5/30	48° 20.07'	-124° 53.00'	113	4.0	380	18	25	3	4	0	0
1519	Washington	5/30	48° 20.66'	-125° 05.99'	61	4.1	449	23	62	8	0	0	4
1525	Washington	5/31	48° 29.98'	-124° 53.77'	45	4.0	105	8	118	15	0	0	0
2001	Vancouver	5/28	48° 20.00'	-125° 38.90'	76	4.0	0	0	0	0	0	0	0
2002	Vancouver	5/28	48° 20.06'	-125° 52.97'	195	4.0	0	0	10	1	17	0	3
2003	Vancouver	5/27	48° 29.98'	-125° 23.97'	74	4.0	97	7	56	6	8	1	0
2004	Vancouver	5/28	48° 29.98'	-125° 37.97'	58	4.0	12	1	19	2	0	0	0
2005	Vancouver	5/29	48° 29.96'	-125° 52.00'	57	4.0	34	3	42	5	0	0	4
2006	Vancouver	5/29	48° 30.37'	-126° 08.00'	107	4.0	184	9	14	2	7	0	1
2007	Vancouver	5/27	48° 40.00'	-125° 08.04'	36	4.0	463	23	15	2	0	0	8
2008	Vancouver	5/27	48° 40.00'	-125° 23.86'	33	4.0	928	45	192	25	0	0	1
2009	Vancouver	5/30	48° 39.98'	-125° 37.11'	71	4.0	101	5	29	3	2	0	1
2010	Vancouver	5/30	48° 40.03'	-125° 52.86'	40	4.0	110	9	238	30	0	0	0
2011	Vancouver	5/29	48° 40.01'	-126° 07.41'	75	4.0	99	6	10	1	0	0	0
2012	Vancouver	5/30	48° 50.02'	-125° 36.85'	23	4.1	599	24	49	5	0	0	13
2013	Vancouver	5/31	48° 50.00'	-125° 53.07'	32	4.0	376	10	24	3	0	0	5
2014	Vancouver	5/31	48° 49.98'	-126° 08.75'	61	4.0	43	3	173	24	27	0	0
2015	Vancouver	5/31	48° 49.97'	-126° 22.22'	97	4.0	35	2	11	1	2	0	1
2016	Vancouver	6/1	48° 59.98'	-126° 08.27'	38	4.0	391	27	242	32	0	0	0
2017	Vancouver	6/1	48° 59.97'	-126° 24.13'	77	4.0	44	2	46	7	1	0	0
2018	Vancouver	6/1	48° 59.86'	-126° 39.00'	124	4.0	0	0	8	1	1	0	0
2019	Vancouver	6/4	49° 10.05'	-126° 23.07'	46	4.0	53	3	392	56	0	0	0
2020	Vancouver	6/4	49° 10.00'	-126° 36.91'	65	4.0	111	8	147	18	0	0	5
2021	Vancouver	6/5	49° 10.02'	-126° 53.05'	95	4.0	71	5	24	3	0	0	0
2023	Vancouver	6/4	49° 20.03'	-126° 23.67'	20	4.0	440	23	228	28	0	0	0
2024	Vancouver	6/6	49° 19.97'	-126° 37.79'	36	4.0	1,822	56	13	2	0	0	39
2025	Vancouver	6/5	49° 19.95'	-126° 53.80'	77	4.0	142	10	82	10	1	0	0
2026	Vancouver	6/5	49° 20.05'	-127° 08.03'	96	4.0	88	6	0	0	3	0	1
2027	Vancouver	6/6	49° 30.04'	-126° 38.02'	21	4.0	256	10	16	2	1	0	1
2028	Vancouver	6/6	49° 29.97'	-126° 52.22'	45	4.0	25	2	126	17	0	0	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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							Lbs. <sup>2</sup>	#s	Lbs. <sup>2</sup>	#s	Sablefish	P. Cod	Rockfish
2029	Vancouver	6/7	49° 29.42'	-127° 08.41'	79	4.0	50	4	79	11	0	1	0
2030	Vancouver	6/7	49° 40.49'	-127° 09.37'	62	4.1	49	4	73	9	0	1	0
2031	Vancouver	6/8	49° 39.27'	-127° 23.95'	151	4.0	195	11	34	4	15	0	11
2032	Vancouver	6/9	49° 50.04'	-127° 24.78'	42	4.0	357	19	217	28	0	0	0
2033	Vancouver	6/8	49° 50.00'	-127° 39.95'	92	4.0	101	7	16	2	0	0	1
2034	Vancouver	6/9	49° 59.98'	-127° 38.92'	45	4.0	403	18	85	12	0	0	11
2035	Vancouver	6/12	50° 19.92'	-128° 11.20'	87	4.0	611	29	94	10	0	0	42
2037	Vancouver	6/12	50° 29.88'	-128° 27.48'	102	4.0	329	12	36	4	0	0	12
2038	Vancouver	6/12	50° 39.44'	-128° 27.29'	50	4.0	114	8	375	51	0	0	0
2039	Vancouver	6/13	50° 39.26'	-128° 45.10'	109	4.0	220	8	16	2	0	0	18
2040	Vancouver	6/15	50° 50.05'	-128° 29.12'	30	4.0	936	42	272	31	0	0	1
2041	Vancouver	6/16	50° 59.62'	-127° 57.85'	48	4.0	107	6	41	6	0	0	0
2042	Vancouver	6/17	51° 00.15'	-128° 12.98'	59	4.0	81	4	61	9	0	0	0
2043	Vancouver	6/16	51° 09.84'	-127° 56.00'	66	4.0	134	8	126	16	0	0	0
2044	Goose Is.	6/13	50° 50.21'	-129° 00.12'	46	4.0	1,267	38	184	24	0	0	18
2045	Goose Is.	6/13	50° 49.43'	-129° 15.44'	69	4.0	1,007	35	221	27	0	0	16
2046	Goose Is.	6/17	50° 59.60'	-128° 29.08'	48	4.0	425	25	337	41	0	0	0
2047	Goose Is.	6/17	50° 59.98'	-128° 43.97'	36	4.1	290	10	123	15	0	0	0
2048	Goose Is.	6/14	51° 00.04'	-129° 00.02'	44	4.0	201	9	169	24	0	0	0
2049	Goose Is.	6/14	51° 00.01'	-129° 15.11'	85	4.0	100	5	120	17	0	0	0
2050	Goose Is.	6/14	50° 59.97'	-129° 32.93'	135	4.0	328	14	69	9	43	0	35
2051	Goose Is.	6/16	51° 10.58'	-128° 11.25'	42	4.0	486	21	122	16	0	0	27
2052	Goose Is.	6/21	51° 10.00'	-128° 27.05'	106	4.0	102	7	91	11	2	0	4
2053	Goose Is.	6/21	51° 09.99'	-128° 43.09'	54	4.0	118	7	460	59	0	0	0
2054	Goose Is.	6/22	51° 09.97'	-128° 59.90'	73	4.1	172	8	279	35	0	0	0
2055	Goose Is.	6/22	51° 09.97'	-129° 15.96'	145	4.0	527	29	102	12	15	0	8
2056	Goose Is.	6/23	51° 10.09'	-129° 30.93'	156	4.0	602	41	203	24	25	0	1
2057	Goose Is.	6/29	51° 20.01'	-127° 55.44'	78	4.0	42	3	52	6	0	0	1
2058	Goose Is.	6/29	51° 19.97'	-128° 10.63'	45	4.0	34	3	156	22	0	0	0
2059	Goose Is.	6/21	51° 20.00'	-128° 26.84'	81	4.0	118	9	83	11	6	1	1
2060	Goose Is.	6/21	51° 20.03'	-128° 42.44'	112	4.0	216	10	138	16	2	0	1
2061	Goose Is.	6/22	51° 20.02'	-128° 58.92'	135	4.0	604	40	220	25	23	0	2
2062	Goose Is.	6/22	51° 20.00'	-129° 14.49'	130	4.0	483	34	296	32	7	0	2
2063	Goose Is.	6/23	51° 19.88'	-129° 31.87'	113	4.0	305	21	70	9	15	0	12
2064	Goose Is.	6/23	51° 19.99'	-129° 46.03'	130	4.0	213	9	0	0	21	0	4
2065	Goose Is.	6/29	51° 29.95'	-128° 11.02'	46	4.0	277	10	201	31	0	0	27
2066	Goose Is.	6/30	51° 29.95'	-128° 26.98'	103	4.0	320	15	46	5	10	0	0
2067	Goose Is.	6/26	51° 30.02'	-128° 43.18'	44	4.0	109	9	197	24	0	0	0
2068	Goose Is.	6/26	51° 30.21'	-128° 59.97'	26	4.0	678	32	145	18	0	0	2
2069	Goose Is.	6/25	51° 29.77'	-129° 15.93'	26	4.0	376	17	120	16	0	0	7
2070	Goose Is.	6/25	51° 30.00'	-129° 30.80'	54	4.0	1,902	63	153	17	0	0	27
2071	Goose Is.	6/24	51° 29.95'	-129° 47.95'	93	4.0	413	15	19	2	5	0	31
2072	Goose Is.	6/24	51° 30.03'	-130° 01.98'	173	4.0	276	10	0	0	79	0	11
2073	Goose Is.	6/30	51° 39.34'	-128° 26.12'	77	4.0	598	27	124	17	0	0	3
2074	Goose Is.	6/26	51° 39.84'	-128° 59.92'	28	4.0	107	5	107	14	0	0	0
2075	Goose Is.	6/25	51° 40.01'	-129° 14.45'	32	4.0	245	15	194	24	0	0	0
2076	Goose Is.	6/25	51° 39.95'	-129° 32.07'	58	4.1	12	1	76	9	0	0	0
2077	Goose Is.	6/24	51° 40.01'	-129° 46.98'	143	4.0	256	12	49	6	9	0	7
2078	Goose Is.	6/30	51° 50.48'	-128° 26.04'	85	4.1	140	10	182	25	0	0	1
2079	Goose Is.	7/1	51° 49.95'	-128° 41.02'	66	4.0	64	5	224	29	0	0	0
2080	Goose Is.	7/1	51° 50.02'	-128° 58.59'	46	4.0	558	42	648	77	0	0	16
2081	Goose Is.	7/2	51° 50.02'	-129° 14.11'	66	4.0	214	15	115	16	0	0	3
2082	Goose Is.	7/2	51° 50.13'	-129° 30.00'	135	4.0	179	8	9	1	16	0	21
2083	Goose Is.	7/3	52° 00.03'	-128° 42.70'	89	4.0	203	11	66	9	0	1	8
2084	Goose Is.	7/1	52° 00.04'	-128° 57.05'	67	4.0	630	41	561	66	0	1	6
2085	Goose Is.	7/2	51° 59.32'	-129° 14.22'	97	4.0	310	17	96	12	6	0	2
2086	Goose Is.	7/3	52° 09.98'	-128° 41.31'	118	4.0	305	13	56	7	9	1	11
2087	St. James	7/28	51° 39.70'	-130° 03.00'	194	4.0	78	5	0	0	56	0	33
2088	St. James	7/28	51° 39.53'	-130° 19.00'	149	4.0	683	28	41	5	37	0	20
2089	St. James	7/6	51° 50.56'	-129° 47.00'	134	4.0	54	4	14	2	17	0	14
2090	St. James	7/27	51° 50.05'	-130° 03.00'	100	4.0	1,503	61	122	15	9	1	42

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
2091	St. James	7/28	51° 50.22'	-130° 19.00'	119	4.0	1,568	62	150	17	19	0	37
2092	St. James	7/29	51° 49.48'	-130° 35.00'	166	4.0	761	38	206	23	16	0	5
2093	St. James	7/29	51° 50.23'	-130° 52.02'	99	4.0	1,238	34	50	6	1	0	96
2094	St. James	7/6	51° 58.37'	-129° 26.13'	117	4.0	415	17	27	4	32	0	21
2095	St. James	7/6	52° 00.45'	-129° 47.00'	63	4.0	361	16	339	46	0	0	10
2096	St. James	7/27	51° 59.34'	-130° 03.00'	78	4.0	637	35	172	27	0	0	29
2097	St. James	7/30	51° 59.42'	-130° 19.00'	193	4.0	208	9	29	4	76	0	2
2098	St. James	7/30	52° 00.07'	-130° 35.00'	132	4.0	1,256	44	73	9	38	1	2
2099	St. James	7/29	52° 00.60'	-130° 52.01'	117	4.0	908	47	192	24	0	0	1
2100	St. James	7/7	52° 09.49'	-128° 57.01'	92	4.0	264	10	23	3	5	0	71
2101	St. James	7/7	52° 09.89'	-129° 14.00'	96	4.0	0	0	29	4	1	0	11
2102	St. James	8/11	52° 09.86'	-129° 30.00'	116	3.9	69	2	7	1	15	0	15
2103	St. James	8/11	52° 09.44'	-129° 45.99'	109	4.0	101	5	32	4	0	0	0
2104	St. James	7/27	52° 09.42'	-130° 03.00'	91	4.0	300	21	155	18	1	1	1
2105	St. James	7/30	52° 10.70'	-130° 19.00'	218	4.0	149	3	0	0	54	0	2
2106	St. James	7/30	52° 10.00'	-130° 35.77'	106	4.0	2,115	60	167	20	2	1	0
2107	St. James	7/31	52° 10.00'	-130° 52.02'	123	4.0	1,804	69	26	3	12	0	4
2108	St. James	7/7	52° 19.55'	-129° 13.00'	86	4.0	714	32	97	11	0	1	53
2109	St. James	8/11	52° 20.01'	-129° 30.13'	96	4.0	554	21	63	7	8	3	21
2110	St. James	8/9	52° 20.53'	-129° 46.00'	117	3.9	788	33	60	8	0	1	37
2111	St. James	8/9	52° 19.53'	-130° 03.00'	123	4.0	567	19	75	8	0	1	0
2112	St. James	8/10	52° 19.55'	-130° 19.00'	196	4.0	344	9	16	2	22	0	13
2113	St. James	8/10	52° 19.54'	-130° 35.00'	93	4.0	687	26	63	8	0	1	3
2114	St. James	7/31	52° 19.97'	-130° 52.00'	79	3.9	300	19	337	41	0	0	0
2115	St. James	7/8	52° 29.55'	-129° 32.02'	58	4.0	350	24	356	43	0	0	1
2116	St. James	7/8	52° 31.80'	-129° 48.22'	107	4.0	933	35	9	1	18	5	16
2117	St. James	8/9	52° 29.88'	-130° 02.00'	149	3.9	229	9	9	1	12	0	5
2118	St. James	8/10	52° 30.74'	-130° 19.00'	133	3.9	229	7	10	1	11	0	7
2119	St. James	8/7	52° 29.57'	-130° 35.00'	66	4.0	630	21	113	13	0	0	28
2120	St. James	7/31	52° 29.50'	-130° 52.00'	57	4.0	396	21	255	34	0	1	4
2121	St. James	7/8	52° 40.00'	-129° 46.00'	105	4.0	381	14	20	2	5	3	24
2122	St. James	8/9	52° 40.52'	-130° 02.00'	147	4.0	145	3	0	0	25	0	12
2123	St. James	8/8	52° 39.99'	-130° 19.00'	123	3.9	604	16	0	0	23	0	7
2124	St. James	8/7	52° 40.07'	-130° 35.01'	82	4.0	751	30	26	3	0	1	12
2125	St. James	8/8	52° 49.98'	-130° 00.13'	144	4.0	29	1	0	0	24	1	20
2126	St. James	8/8	52° 50.03'	-130° 19.00'	116	4.0	68	2	0	0	13	0	2
2127	St. James	7/9	53° 00.00'	-129° 46.10'	124	4.0	57	4	76	10	20	1	10
2128	St. James	7/9	52° 59.50'	-130° 02.00'	116	4.0	301	11	33	4	19	2	21
2129	Charlotte	8/1	52° 30.00'	-131° 08.03'	43	4.0	758	30	84	11	0	0	24
2130	Charlotte	8/1	52° 29.23'	-131° 25.00'	49	4.0	301	13	14	2	0	0	10
2131	Charlotte	8/7	52° 40.45'	-130° 52.01'	53	4.0	312	20	250	33	0	0	1
2132	Charlotte	8/1	52° 39.84'	-131° 08.00'	37	4.0	490	14	137	16	0	0	1
2133	Charlotte	8/6	52° 49.48'	-130° 35.00'	65	4.0	272	17	82	9	0	1	7
2134	Charlotte	8/6	52° 50.42'	-130° 52.25'	27	4.0	441	18	17	2	0	0	0
2135	Charlotte	7/9	53° 00.22'	-130° 18.00'	117	4.0	416	17	19	2	30	0	10
2136	Charlotte	8/6	53° 00.08'	-130° 35.00'	52	4.0	260	11	148	19	0	7	1
2137	Charlotte	8/2	53° 10.51'	-130° 18.00'	65	4.0	681	21	82	10	0	0	2
2138	Charlotte	8/2	53° 10.33'	-130° 35.00'	105	4.0	48	3	0	0	3	0	2
2139	Charlotte	7/11	53° 10.75'	-130° 52.00'	59	4.0	327	21	71	8	0	0	1
2140	Charlotte	8/2	53° 20.64'	-130° 18.00'	51	4.0	870	51	282	35	0	0	9
2141	Charlotte	8/2	53° 19.08'	-130° 35.00'	43	4.0	417	30	208	27	0	0	17
2142	Charlotte	7/11	53° 19.60'	-130° 52.00'	77	4.0	859	40	75	8	4	2	1
2143	Charlotte	7/19	53° 20.12'	-132° 49.00'	73	4.0	402	19	317	42	0	0	17
2144	Charlotte	7/19	53° 20.70'	-133° 06.01'	119	4.0	678	14	41	5	3	0	8
2145	Charlotte	7/11	53° 30.68'	-130° 52.00'	50	4.0	350	27	346	42	0	1	0
2146	Charlotte	7/19	53° 30.73'	-133° 06.00'	176	4.0	549	18	53	7	9	1	37
2147	Charlotte	7/10	53° 40.14'	-130° 35.00'	18	4.0	0	0	6	1	0	0	12
2148	Charlotte	7/10	53° 40.03'	-130° 52.00'	27	4.0	94	5	124	15	0	0	0
2149	Charlotte	7/19	53° 39.56'	-133° 07.00'	81	4.0	677	32	240	29	0	0	27
2150	Charlotte	7/10	53° 49.50'	-130° 52.00'	52	4.0	260	16	68	8	19	2	0
2151	Charlotte	7/20	54° 00.16'	-133° 25.00'	43	4.0	1,091	29	45	5	0	0	17

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
2152	Charlotte	7/15	54° 10.54'	-130° 35.00'	63	4.0	46	4	30	4	0	0	0
2153	Charlotte	7/21	54° 10.57'	-132° 00.00'	44	4.0	269	21	316	41	0	5	0
2154	Charlotte	7/21	54° 09.52'	-132° 17.00'	46	4.0	96	7	268	38	0	3	0
2155	Charlotte	7/17	54° 09.95'	-132° 33.81'	45	4.0	54	4	185	24	0	0	0
2156	Charlotte	7/20	54° 09.93'	-133° 09.00'	36	4.0	559	17	132	18	0	0	8
2157	Charlotte	7/20	54° 10.66'	-133° 26.00'	218	4.0	218	9	56	7	18	0	16
2158	Charlotte	7/15	54° 20.60'	-130° 35.00'	45	4.0	195	6	86	12	0	1	6
2159	Charlotte	7/12	54° 20.00'	-131° 09.81'	36	4.0	490	28	359	48	1	1	0
2160	Charlotte	7/12	54° 19.89'	-131° 26.00'	95	4.0	528	36	137	15	21	0	48
2161	Charlotte	7/16	54° 20.00'	-131° 42.09'	101	4.0	1,206	77	276	32	3	1	1
2162	Charlotte	7/21	54° 19.89'	-132° 01.00'	135	4.0	576	20	16	2	30	0	13
2163	Charlotte	7/21	54° 20.50'	-132° 18.00'	128	4.0	605	25	45	6	4	2	17
2164	Charlotte	7/17	54° 19.48'	-132° 34.04'	141	4.0	257	9	26	3	34	0	15
2165	Charlotte	7/17	54° 19.50'	-132° 51.32'	210	4.0	176	6	11	1	40	0	22
2166	Charlotte	7/18	54° 20.00'	-133° 09.83'	254	4.0	462	14	34	4	72	0	16
2167	Charlotte	7/18	54° 20.02'	-133° 25.30'	130	4.0	902	39	185	23	8	6	17
2168	Charlotte	7/18	54° 20.00'	-133° 42.23'	136	4.0	1,528	75	198	25	1	1	1
2169	Charlotte	7/15	54° 29.74'	-130° 35.00'	60	4.0	179	8	53	6	0	0	0
2170	Charlotte	7/12	54° 30.03'	-131° 09.00'	77	4.0	690	46	300	35	3	13	1
2171	Charlotte	7/12	54° 30.52'	-131° 26.00'	65	4.0	832	29	153	19	3	5	23
2172	Charlotte	7/16	54° 30.00'	-131° 43.42'	189	4.0	157	9	16	2	57	0	5
3001	Ketchikan	7/15	54° 30.00'	-132° 01.02'	152	4.0	509	18	10	1	54	0	0
3003	Ketchikan	7/16	54° 30.07'	-132° 32.43'	204	4.0	355	13	3	1	50	0	10
3005	Ketchikan	7/19	54° 30.01'	-133° 11.01'	132	4.0	1,809	67	141	19	0	0	0
3006	Ketchikan	7/19	54° 30.05'	-133° 26.91'	165	4.0	726	26	38	5	30	0	5
3007	Ketchikan	7/18	54° 30.00'	-133° 42.94'	139	4.0	1,134	53	204	23	15	0	15
3008	Ketchikan	5/31	54° 40.00'	-130° 49.39'	170	4.0	95	4	0	0	0	0	0
3009	Ketchikan	5/31	54° 40.00'	-131° 07.66'	118	3.9	123	9	77	10	10	0	5
3010	Ketchikan	5/31	54° 39.99'	-131° 25.50'	127	4.0	143	10	141	16	10	5	0
3011	Ketchikan	7/15	54° 40.02'	-131° 41.09'	232	3.9	291	13	10	1	49	0	0
3012	Ketchikan	7/15	54° 40.01'	-131° 59.82'	94	4.0	554	30	113	13	5	20	0
3013	Ketchikan	7/16	54° 39.97'	-132° 16.17'	60	4.0	1,093	34	176	22	0	15	0
3014	Ketchikan	5/28	54° 40.00'	-132° 34.38'	101	4.0	699	18	55	8	0	0	5
3015	Ketchikan	5/28	54° 39.98'	-132° 51.66'	78	4.0	585	26	157	21	0	24	29
3016	Ketchikan	7/19	54° 40.00'	-133° 08.49'	124	3.9	658	22	26	4	5	10	34
3017	Ketchikan	5/27	54° 40.02'	-133° 24.81'	168	3.9	1,021	40	240	28	25	0	15
3018	Ketchikan	7/18	54° 40.00'	-133° 44.18'	131	4.0	738	25	135	17	0	0	5
3019	Ketchikan	7/18	54° 39.98'	-134° 00.70'	123	4.0	1,319	52	300	39	5	5	10
3020	Ketchikan	6/1	54° 50.02'	-131° 07.80'	134	4.0	229	10	43	6	20	0	0
3021	Ketchikan	5/29	54° 49.99'	-131° 41.83'	255	3.9	264	12	20	2	34	0	5
3022	Ketchikan	5/28	54° 48.98'	-132° 34.00'	166	4.0	238	12	0	0	20	0	10
3023	Ketchikan	5/27	54° 50.00'	-133° 09.17'	118	4.0	252	15	58	8	5	15	10
3024	Ketchikan	5/27	54° 50.03'	-133° 26.67'	69	4.0	53	4	326	48	0	20	0
3025	Ketchikan	7/17	54° 50.04'	-133° 42.62'	76	4.0	2,208	77	325	36	0	0	30
3026	Ketchikan	6/4	54° 49.99'	-134° 00.55'	106	3.9	911	39	146	19	0	0	5
3027	Ketchikan	6/1	54° 59.84'	-131° 06.01'	132	4.0	498	24	47	7	10	0	0
3028	Ketchikan	5/29	55° 00.38'	-131° 41.00'	102	4.0	333	17	250	33	20	5	20
3029	Ketchikan	7/17	55° 00.33'	-133° 26.23'	46	4.0	1,121	39	183	24	0	0	64
3030	Ketchikan	7/17	54° 59.94'	-133° 43.03'	58	4.0	354	21	438	62	0	0	0
3031	Ketchikan	6/1	55° 09.21'	-131° 05.99'	95	3.9	465	18	62	8	10	0	5
3032	Ketchikan	5/29	55° 09.49'	-131° 40.98'	67	4.0	203	7	0	0	0	0	30
3033	Ketchikan	5/30	55° 10.52'	-131° 56.00'	183	4.0	681	28	95	11	20	10	15
3034	Ketchikan	6/5	55° 10.00'	-133° 26.47'	46	4.0	966	37	90	12	0	0	54
3035	Ketchikan	5/30	55° 20.09'	-131° 56.10'	225	4.0	23	1	0	0	15	0	0
3036	Ketchikan	5/30	55° 29.04'	-131° 58.03'	156	4.0	196	7	37	6	10	0	5
3037	Ketchikan	7/12	55° 39.39'	-132° 14.67'	204	4.0	252	8	4	1	30	0	30
3038	Ketchikan	7/12	55° 44.31'	-132° 26.60'	124	4.0	387	12	40	5	20	0	10
3039	Ketchikan	7/12	55° 50.00'	-132° 15.02'	123	4.0	749	29	88	11	5	10	0
3040	Ketchikan	7/11	56° 00.00'	-132° 33.15'	134	4.0	390	16	50	6	5	0	5
3041	Ketchikan	7/11	56° 00.16'	-132° 44.11'	199	4.0	133	5	0	0	35	0	0
3042	Ketchikan	7/11	56° 11.00'	-132° 51.09'	117	4.0	290	11	100	11	25	0	5

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
3043	Ommaney	6/4	55° 00.00'	-134° 00.17'	81	3.9	751	34	133	18	0	0	74
3044	Ommaney	6/4	55° 00.00'	-134° 18.73'	120	4.0	532	17	61	7	0	0	0
3045	Ommaney	6/5	55° 10.01'	-133° 44.10'	85	4.0	487	38	474	57	0	0	0
3046	Ommaney	6/5	55° 10.01'	-134° 00.74'	93	4.0	732	30	162	21	0	10	5
3047	Ommaney	6/6	55° 20.00'	-133° 45.09'	46	4.0	165	11	409	65	0	0	0
3048	Ommaney	6/6	55° 20.00'	-134° 00.92'	65	4.0	206	15	565	83	0	0	0
3049	Ommaney	6/7	55° 20.00'	-134° 18.93'	103	3.9	689	26	76	9	0	5	5
3050	Ommaney	6/7	55° 19.99'	-134° 34.77'	111	4.0	959	46	248	29	0	0	15
3051	Ommaney	6/6	55° 30.00'	-134° 02.49'	50	4.0	964	34	341	50	0	0	15
3052	Ommaney	6/9	55° 30.00'	-134° 19.25'	95	4.0	284	11	52	6	0	5	0
3053	Ommaney	6/7	55° 29.98'	-134° 36.02'	111	4.0	1,079	45	147	18	45	0	0
3054	Ommaney	6/8	55° 30.00'	-134° 52.80'	163	3.9	618	29	112	14	44	0	5
3055	Ommaney	6/9	55° 39.98'	-134° 00.16'	99	3.9	59	4	19	2	0	0	0
3056	Ommaney	6/9	55° 40.00'	-134° 20.33'	117	4.0	1,179	63	125	15	0	0	0
3057	Ommaney	6/8	55° 40.00'	-134° 36.78'	114	4.0	315	15	134	20	0	10	0
3058	Ommaney	6/8	55° 40.00'	-134° 55.91'	111	4.0	2,107	77	214	27	5	0	56
3059	Ommaney	7/9	55° 50.00'	-133° 27.10'	43	3.9	187	9	10	1	0	0	0
3060	Ommaney	7/9	55° 50.00'	-133° 43.92'	82	4.0	303	10	53	7	0	0	10
3061	Ommaney	7/8	55° 49.98'	-134° 02.00'	163	4.0	615	19	14	2	20	5	25
3062	Ommaney	6/13	55° 49.71'	-134° 37.07'	92	3.9	118	2	22	4	5	25	5
3063	Ommaney	6/12	55° 49.98'	-134° 56.34'	104	4.0	795	36	139	19	0	0	0
3064	Ommaney	6/12	55° 50.00'	-135° 12.71'	124	3.9	1,154	50	248	33	0	5	5
3065	Ommaney	7/9	55° 55.00'	-133° 34.70'	47	4.0	387	21	74	9	5	5	10
3066	Ommaney	7/8	56° 00.50'	-134° 02.00'	40	4.0	1,297	28	319	42	0	0	15
3067	Ommaney	7/8	56° 00.00'	-134° 18.71'	40	4.0	1,035	26	107	15	0	0	50
3068	Ommaney	6/13	56° 00.00'	-134° 37.60'	209	4.0	1,458	49	60	7	64	0	15
3069	Ommaney	6/13	56° 00.00'	-134° 53.47'	181	4.0	493	17	12	2	68	0	112
3070	Ommaney	6/12	56° 00.00'	-135° 12.74'	203	4.0	917	25	0	0	45	0	30
3071	Ommaney	7/10	56° 10.56'	-133° 44.00'	180	4.0	460	15	40	4	10	5	0
3072	Ommaney	7/7	56° 10.00'	-134° 20.00'	70	4.0	754	29	217	27	0	20	5
3073	Ommaney	6/15	56° 10.54'	-134° 38.01'	121	3.9	1,174	35	98	14	34	10	5
3074	Ommaney	6/15	56° 09.97'	-134° 55.98'	102	4.0	2,679	135	392	48	20	5	0
3075	Ommaney	6/14	56° 09.51'	-135° 14.02'	164	3.9	415	18	59	9	30	0	0
3076	Ommaney	7/10	56° 20.67'	-133° 44.02'	76	4.0	933	24	53	7	5	20	5
3077	Ommaney	7/7	56° 19.27'	-134° 20.01'	107	4.0	336	14	88	13	10	15	30
3078	Ommaney	6/15	56° 19.90'	-134° 56.00'	66	4.0	467	11	105	19	0	10	20
3079	Ommaney	6/14	56° 20.58'	-135° 14.00'	85	4.0	629	28	88	13	0	10	15
3080	Ommaney	6/14	56° 20.00'	-135° 30.94'	109	4.0	648	25	138	22	0	0	5
3081	Ommaney	7/10	56° 28.45'	-133° 43.97'	64	4.0	335	12	29	3	0	5	5
3082	Ommaney	7/7	56° 30.52'	-134° 20.00'	45	4.0	1,146	42	373	50	0	0	15
3083	Sitka	6/16	56° 29.95'	-135° 14.98'	59	4.0	575	21	240	37	0	0	40
3084	Sitka	6/16	56° 30.16'	-135° 33.02'	88	4.0	230	11	58	9	0	0	50
3085	Sitka	6/16	56° 40.48'	-135° 15.02'	24	3.9	1,357	23	49	7	0	0	0
3086	Sitka	6/17	56° 39.30'	-135° 34.02'	76	3.9	990	32	62	10	0	0	65
3087	Sitka	6/17	56° 40.66'	-135° 52.01'	136	3.9	300	14	59	7	5	15	10
3088	Sitka	7/4	56° 49.98'	-132° 49.01'	111	4.0	444	19	43	6	0	0	0
3089	Sitka	6/17	56° 49.39'	-135° 52.00'	105	4.0	977	40	151	21	15	0	0
3090	Sitka	7/4	56° 57.18'	-132° 59.16'	78	4.0	427	21	223	32	0	0	0
3091	Sitka	7/1	56° 59.98'	-134° 20.03'	192	4.0	301	10	51	7	158	0	0
3092	Sitka	6/20	57° 00.00'	-136° 01.44'	59	3.9	384	14	110	17	0	0	54
3093	Sitka	7/4	57° 02.98'	-133° 04.06'	69	3.9	440	16	88	12	0	0	0
3094	Sitka	7/1	57° 10.00'	-133° 43.95'	180	4.0	475	28	137	17	59	0	0
3095	Sitka	7/1	57° 10.00'	-134° 02.99'	163	4.0	594	29	140	17	40	30	0
3096	Sitka	6/30	57° 10.69'	-134° 39.82'	157	4.0	503	15	70	10	25	15	25
3097	Sitka	6/20	57° 09.96'	-135° 54.00'	37	4.0	641	20	130	21	0	5	20
3098	Sitka	6/20	57° 10.89'	-136° 12.00'	115	4.0	399	23	150	20	0	10	10
3099	Sitka	7/2	57° 20.00'	-133° 27.23'	82	3.9	234	11	155	22	0	29	0
3100	Sitka	7/2	57° 19.95'	-133° 45.00'	180	4.0	903	49	128	17	50	20	5
3101	Sitka	6/30	57° 19.92'	-134° 36.08'	189	4.0	470	15	34	5	45	10	10
3102	Sitka	6/21	57° 20.52'	-135° 54.96'	75	3.9	149	8	78	11	5	29	15
3103	Sitka	6/21	57° 20.00'	-136° 11.58'	94	4.0	657	22	165	23	0	20	25

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
3104	Sitka	7/2	57° 30.02'	-133° 46.07'	145	4.0	781	42	134	17	20	10	0
3105	Sitka	6/30	57° 31.00'	-134° 38.00'	148	4.0	245	15	150	23	50	30	5
3106	Sitka	6/21	57° 30.00'	-136° 14.00'	52	4.0	865	26	222	35	0	5	10
3107	Sitka	7/3	57° 39.98'	-133° 44.75'	179	4.0	579	33	263	30	0	0	5
3108	Sitka	6/22	57° 40.01'	-136° 32.84'	91	4.0	588	41	565	72	0	0	0
3109	Sitka	7/3	57° 49.97'	-133° 54.00'	182	4.0	412	22	18	3	0	0	5
3110	Sitka	6/22	57° 50.00'	-136° 34.53'	58	4.0	1,132	40	318	42	0	0	35
3111	Sitka	6/22	57° 50.00'	-136° 53.72'	220	3.9	121	6	18	2	59	0	20
3112	Sitka	7/3	57° 59.40'	-134° 03.29'	126	3.9	126	8	54	7	0	0	0
3113	Sitka	6/23	58° 00.48'	-136° 40.00'	54	3.9	1,469	62	375	48	0	0	5
3114	Sitka	6/24	58° 10.00'	-135° 02.98'	89	3.9	470	25	244	33	0	15	5
3115	Sitka	6/24	58° 09.99'	-135° 20.00'	96	4.0	415	24	106	14	0	5	5
3116	Sitka	6/23	58° 10.02'	-136° 37.32'	75	4.0	1,139	28	43	7	20	0	0
3117	Sitka	6/29	58° 12.00'	-134° 24.93'	39	4.0	88	4	16	2	0	10	0
3118	Sitka	6/29	58° 13.38'	-134° 41.00'	40	4.0	493	18	62	7	0	15	0
3119	Sitka	6/24	58° 15.01'	-135° 38.94'	59	3.9	389	19	531	76	0	29	0
3120	Sitka	6/23	58° 14.85'	-136° 25.74'	111	3.9	1,839	46	195	28	10	59	0
3121	Sitka	6/29	58° 20.57'	-134° 42.98'	44	3.9	163	9	36	4	0	0	0
3122	Sitka	6/25	58° 20.53'	-135° 02.83'	237	3.9	535	22	33	5	83	0	10
3123	Sitka	6/25	58° 30.05'	-135° 02.06'	162	4.0	754	42	237	30	35	5	0
3124	Sitka	6/25	58° 41.13'	-135° 02.80'	149	4.0	510	29	101	13	0	0	0
4001	Fairweather	8/9	57° 50.60'	-137° 12.96'	189	4.0	383	17	40	5	105	0	45
4002	Fairweather	8/9	58° 00.13'	-136° 53.23'	225	4.0	50	4	0	0	90	0	5
4003	Fairweather	8/9	58° 00.03'	-137° 11.82'	112	4.0	2,598	138	227	25	25	0	5
4004	Fairweather	8/8	58° 00.04'	-137° 31.72'	88	4.0	1,440	74	236	28	0	5	10
4005	Fairweather	8/8	57° 59.97'	-137° 50.17'	101	4.0	1,326	80	335	43	25	5	0
4006	Fairweather	7/22	58° 10.04'	-136° 53.80'	103	4.0	627	34	103	13	45	10	10
4007	Fairweather	7/22	58° 10.04'	-137° 12.11'	65	4.1	2,311	78	251	30	0	5	5
4008	Fairweather	8/8	58° 10.00'	-137° 28.80'	75	4.0	1,137	60	412	53	0	0	0
4009	Fairweather	8/7	58° 10.02'	-137° 48.99'	84	4.0	115	7	17	2	0	0	0
4010	Fairweather	8/7	58° 09.98'	-138° 07.53'	79	4.0	972	57	357	44	0	15	0
4011	Fairweather	8/7	58° 09.97'	-138° 28.34'	89	4.0	796	26	82	10	0	5	55
4012	Fairweather	8/6	58° 10.02'	-138° 46.16'	101	4.0	1,285	51	430	58	0	0	25
4013	Fairweather	7/22	58° 20.00'	-137° 09.91'	92	4.0	131	5	41	7	10	0	0
4014	Fairweather	7/21	58° 20.06'	-137° 30.29'	102	4.1	0	0	9	1	10	0	0
4015	Fairweather	7/21	58° 20.05'	-137° 48.27'	93	4.0	369	10	10	1	0	0	0
4016	Fairweather	7/28	58° 19.92'	-138° 05.96'	69	4.0	351	24	181	21	0	0	0
4017	Fairweather	8/6	58° 19.95'	-138° 26.10'	72	4.0	823	54	629	79	0	0	5
4018	Fairweather	8/6	58° 20.16'	-138° 46.85'	67	4.0	430	20	422	60	0	0	238
4019	Fairweather	8/5	58° 20.02'	-139° 03.79'	58	4.0	1,543	60	177	26	0	0	70
4020	Fairweather	8/5	58° 20.16'	-139° 25.28'	149	4.0	1,164	43	22	3	20	0	10
4021	Fairweather	7/21	58° 29.94'	-137° 28.96'	49	4.0	11	1	9	1	0	0	0
4022	Fairweather	7/21	58° 30.01'	-137° 47.69'	83	4.0	0	0	0	0	0	0	0
4023	Fairweather	7/28	58° 30.53'	-138° 06.90'	73	4.0	175	13	67	8	0	0	0
4024	Fairweather	7/30	58° 29.98'	-138° 24.63'	63	4.0	567	40	574	68	0	0	5
4025	Fairweather	7/30	58° 29.98'	-138° 44.62'	52	4.0	977	34	256	36	0	5	5
4026	Fairweather	7/31	58° 30.08'	-139° 03.19'	54	4.0	249	9	246	38	0	0	20
4027	Fairweather	8/5	58° 29.98'	-139° 23.80'	96	4.0	870	27	115	16	0	5	10
4028	Fairweather	7/20	58° 30.07'	-139° 40.80'	141	4.0	722	30	76	9	35	0	5
4029	Fairweather	7/28	58° 39.97'	-138° 05.83'	50	4.1	0	0	0	0	0	0	0
4030	Fairweather	7/30	58° 39.99'	-138° 23.70'	71	4.0	0	0	0	0	0	0	0
4031	Fairweather	7/31	58° 40.04'	-138° 44.75'	53	4.0	812	26	358	50	0	0	10
4032	Fairweather	7/31	58° 39.98'	-139° 04.27'	81	4.0	430	27	260	32	10	20	0
4033	Fairweather	8/1	58° 40.06'	-139° 22.16'	137	4.1	755	31	16	2	40	0	0
4034	Fairweather	7/20	58° 40.02'	-139° 41.81'	102	4.0	986	40	139	17	30	0	5
4035	Fairweather	7/20	58° 39.99'	-140° 01.22'	105	4.0	1,154	45	421	59	10	0	0
4036	Fairweather	7/29	58° 49.98'	-138° 04.77'	26	4.0	147	6	222	32	0	0	0
4037	Fairweather	7/29	58° 49.99'	-138° 24.89'	38	4.1	90	5	0	0	0	0	0
4038	Fairweather	7/8	58° 49.97'	-138° 43.84'	66	4.0	125	9	142	20	0	0	0
4039	Fairweather	8/1	58° 50.00'	-139° 04.01'	100	4.0	0	0	0	0	0	0	0
4040	Fairweather	8/1	58° 50.01'	-139° 20.77'	72	4.0	570	15	70	8	0	0	10

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
4041	Fairweather	8/2	58° 49.91'	-139° 43.31'	87	4.0	182	5	18	2	0	0	0
4042	Fairweather	8/2	58° 50.00'	-140° 00.70'	94	4.1	684	22	266	31	0	0	25
4043	Fairweather	7/29	58° 59.91'	-138° 25.32'	33	4.1	85	3	25	4	0	0	0
4044	Fairweather	7/8	59° 00.01'	-138° 44.04'	87	4.0	13	1	0	0	0	0	0
4045	Fairweather	7/8	58° 59.98'	-139° 01.96'	55	4.0	19	1	0	0	0	0	0
4046	Fairweather	7/9	58° 59.98'	-139° 21.31'	59	4.0	0	0	0	0	0	0	0
4047	Fairweather	8/2	58° 59.97'	-139° 41.12'	65	4.0	122	4	59	7	0	0	0
4048	Fairweather	7/9	59° 09.99'	-139° 00.75'	29	4.0	0	0	0	0	0	0	0
4049	Fairweather	7/9	59° 09.99'	-139° 19.70'	51	4.0	0	0	0	0	0	0	0
4051	Yakutat	7/19	58° 50.00'	-140° 19.10'	99	4.0	1,271	46	350	44	10	5	0
4052	Yakutat	7/19	58° 50.18'	-140° 41.36'	106	4.0	1,928	75	543	68	5	0	5
4053	Yakutat	7/11	59° 00.02'	-140° 01.86'	74	4.0	538	15	85	11	0	0	5
4054	Yakutat	7/11	59° 00.00'	-140° 18.69'	84	4.0	759	27	124	15	0	0	15
4055	Yakutat	7/19	58° 59.93'	-140° 40.18'	99	4.0	410	15	324	43	0	5	0
4056	Yakutat	7/18	59° 00.16'	-141° 00.20'	105	4.0	873	33	215	31	10	0	10
4057	Yakutat	7/10	59° 10.00'	-139° 40.02'	73	4.0	26	2	6	1	0	0	0
4058	Yakutat	7/10	59° 09.99'	-140° 00.25'	63	4.0	216	8	105	13	0	0	0
4059	Yakutat	7/11	59° 10.00'	-140° 20.42'	71	4.0	470	17	153	19	0	5	0
4060	Yakutat	7/18	59° 09.98'	-140° 38.86'	80	4.0	454	16	61	9	0	0	0
4061	Yakutat	7/18	59° 10.02'	-140° 58.84'	98	4.0	867	24	251	33	5	10	0
4062	Yakutat	7/17	59° 09.94'	-141° 19.24'	187	4.0	77	3	17	2	45	0	0
4063	Yakutat	8/18	59° 10.07'	-141° 37.66'	122	4.0	2,822	106	27	3	84	0	5
4064	Yakutat	7/10	59° 19.97'	-139° 38.62'	83	4.0	0	0	0	0	0	0	0
4065	Yakutat	7/10	59° 19.98'	-139° 59.81'	88	4.1	33	2	0	0	0	0	0
4066	Yakutat	7/12	59° 19.95'	-140° 18.67'	72	4.0	565	19	189	24	0	0	0
4067	Yakutat	7/12	59° 19.96'	-140° 38.87'	77	4.0	244	11	168	22	0	5	0
4068	Yakutat	7/17	59° 19.93'	-140° 57.74'	86	4.0	36	1	6	1	0	0	0
4069	Yakutat	7/17	59° 20.14'	-141° 19.62'	182	4.1	75	2	18	2	126	0	0
4070	Yakutat	8/18	59° 20.02'	-141° 37.23'	104	4.0	1,204	41	78	11	25	0	0
4071	Yakutat	8/18	59° 20.07'	-141° 57.48'	117	4.0	1,260	56	130	16	40	5	0
4072	Yakutat	7/14	59° 30.00'	-140° 01.32'	65	4.0	0	0	0	0	0	0	0
4073	Yakutat	7/14	59° 29.96'	-140° 19.34'	125	4.0	140	4	0	0	20	0	15
4074	Yakutat	7/12	59° 30.02'	-140° 38.16'	152	4.0	151	5	0	0	15	0	10
4075	Yakutat	7/13	59° 30.03'	-141° 00.07'	159	4.0	53	2	0	0	5	0	0
4076	Yakutat	7/13	59° 29.98'	-141° 17.79'	91	4.0	17	1	0	0	0	0	0
4077	Yakutat	8/21	59° 30.42'	-141° 39.68'	89	4.0	0	0	0	0	0	0	0
4078	Yakutat	8/21	59° 29.63'	-141° 56.72'	98	4.0	378	10	6	1	0	0	0
4079	Yakutat	7/14	59° 40.44'	-139° 59.01'	76	4.0	184	5	18	2	0	15	0
4080	Yakutat	7/13	59° 40.00'	-140° 59.24'	29	4.0	127	2	0	0	0	5	0
4081	Yakutat	7/13	59° 40.03'	-141° 18.06'	35	4.0	13	1	0	0	0	0	0
4082	Yakutat	8/21	59° 39.94'	-141° 37.72'	52	4.0	0	0	8	2	0	0	0
4083	Yakutat	8/25	59° 40.05'	-141° 56.56'	78	4.0	78	1	0	0	0	0	0
4084	Yakutat	8/22	59° 40.16'	-142° 17.80'	120	3.9	449	15	0	0	44	0	5
4085	Yakutat	8/22	59° 40.38'	-142° 38.95'	209	3.9	626	28	29	3	157	0	25
4086	Yakutat	6/2	59° 39.97'	-142° 58.09'	112	4.0	975	39	136	20	10	15	0
4087	Yakutat	6/2	59° 40.50'	-143° 18.30'	160	4.0	202	10	51	7	54	5	0
4088	Yakutat	6/3	59° 39.63'	-143° 38.66'	77	4.0	12	1	62	10	0	0	10
4089	Yakutat	6/3	59° 40.28'	-143° 55.77'	70	4.0	384	16	172	24	0	0	5
4090	Yakutat	6/4	59° 40.06'	-144° 15.52'	88	4.0	1,337	41	223	28	0	0	20
4091	Yakutat	6/5	59° 39.88'	-144° 39.14'	81	4.0	138	8	78	13	0	0	0
4092	Yakutat	8/25	59° 49.95'	-141° 59.23'	38	4.0	106	4	11	2	0	0	0
4093	Yakutat	8/25	59° 50.03'	-142° 17.73'	47	4.0	686	17	78	9	0	5	0
4094	Yakutat	8/22	59° 49.72'	-142° 36.91'	84	4.0	1,415	40	48	6	0	5	0
4095	Yakutat	8/23	59° 50.44'	-142° 58.62'	94	4.0	0	0	0	0	7	0	0
4096	Yakutat	6/2	59° 50.00'	-143° 18.24'	124	4.0	44	2	5	1	5	0	0
4097	Yakutat	6/3	59° 50.29'	-143° 36.73'	156	4.0	59	2	3	1	35	0	59
4098	Yakutat	6/4	59° 50.08'	-143° 57.78'	51	4.0	206	10	379	51	0	0	0
4099	Yakutat	6/4	59° 49.91'	-144° 17.81'	34	4.0	408	14	154	21	0	50	0
4100	Yakutat	8/23	60° 00.35'	-142° 40.98'	36	3.9	1,140	29	41	5	0	0	0
4101	Yakutat	8/23	59° 59.84'	-142° 58.94'	63	4.0	288	9	13	2	0	0	0
4102	PWS	7/29	59° 20.46'	-146° 17.77'	102	4.0	608	26	51	7	10	10	45

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).



## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
4103	PWS	7/29	59° 20.09'	-146° 34.73'	78	4.0	701	34	84	9	0	10	0
4104	PWS	7/28	59° 20.09'	-146° 54.33'	106	4.0	299	14	36	5	5	0	5
4105	PWS	7/28	59° 19.94'	-147° 14.55'	102	3.9	215	11	6	1	0	0	0
4106	PWS	7/31	59° 29.86'	-145° 17.15'	74	4.0	846	29	94	12	5	0	45
4107	PWS	7/30	59° 29.77'	-145° 54.89'	90	4.0	697	38	119	14	5	5	0
4108	PWS	7/29	59° 29.38'	-146° 33.99'	42	4.0	468	21	152	21	0	0	5
4109	PWS	8/15	59° 30.11'	-146° 55.20'	110	4.0	106	4	0	0	10	0	5
4110	PWS	7/28	59° 30.33'	-147° 12.84'	118	4.0	79	5	29	4	45	0	0
4111	PWS	8/14	59° 30.13'	-147° 33.87'	62	4.0	25	1	35	4	0	0	0
4112	PWS	7/31	59° 40.37'	-145° 32.72'	57	4.0	0	0	17	2	0	10	0
4113	PWS	7/30	59° 40.39'	-145° 55.15'	41	3.9	390	25	419	51	0	0	0
4114	PWS	7/30	59° 39.95'	-146° 13.49'	45	4.0	161	7	180	23	0	0	0
4115	PWS	8/15	59° 39.95'	-146° 33.27'	47	4.0	613	18	188	24	0	0	20
4116	PWS	8/15	59° 39.82'	-146° 51.84'	57	4.0	0	0	0	0	0	0	0
4117	PWS	8/14	59° 39.91'	-147° 12.06'	105	4.0	231	7	0	0	0	0	0
4118	PWS	8/14	59° 39.86'	-147° 33.19'	64	4.0	267	11	60	8	0	5	0
4119	PWS	6/5	59° 49.98'	-144° 57.08'	107	4.0	196	9	24	3	5	35	0
4120	PWS	8/17	59° 49.97'	-145° 54.01'	56	4.0	22	1	39	6	0	10	0
4121	PWS	8/16	59° 50.08'	-146° 12.00'	38	4.0	526	35	152	18	0	0	0
4122	PWS	8/5	59° 49.59'	-146° 32.47'	37	4.0	636	18	139	20	0	0	30
4123	PWS	8/5	59° 49.45'	-146° 51.30'	42	3.9	298	13	231	30	0	0	0
4124	PWS	8/4	59° 50.27'	-147° 12.57'	92	4.0	152	9	0	0	0	0	0
4125	PWS	6/6	59° 59.61'	-144° 38.18'	126	4.0	33	2	7	1	5	16	0
4126	PWS	6/6	59° 59.46'	-144° 57.81'	80	4.0	242	15	30	3	0	5	0
4127	PWS	6/6	60° 00.31'	-145° 19.09'	65	4.0	208	8	12	2	0	0	0
4128	PWS	8/16	60° 00.26'	-146° 12.54'	34	4.0	1,006	38	475	63	0	0	0
4129	PWS	8/16	60° 00.69'	-146° 31.91'	35	3.9	69	5	297	45	0	0	0
4130	PWS	8/4	59° 59.81'	-146° 51.70'	80	4.0	48	4	9	1	0	5	0
4131	PWS	8/4	59° 59.64'	-147° 11.96'	102	4.0	192	11	92	11	0	64	0
4132	PWS	6/7	60° 10.41'	-145° 33.50'	52	4.0	14	1	7	1	0	0	0
4133	PWS	6/7	60° 10.24'	-145° 52.18'	55	4.0	119	1	0	0	0	5	0
4134	PWS	6/7	60° 09.98'	-146° 09.64'	47	4.0	80	4	19	3	0	0	0
4135	PWS	7/12	60° 09.81'	-147° 30.74'	42	4.0	510	31	173	27	0	25	0
4136	PWS	7/12	60° 09.88'	-147° 51.00'	186	4.0	713	46	193	23	15	45	5
4137	PWS	7/12	60° 20.53'	-147° 30.23'	66	4.0	311	13	193	26	0	35	5
4138	PWS	7/10	60° 30.23'	-146° 30.48'	48	3.9	109	6	156	21	0	20	0
4139	PWS	7/10	60° 29.82'	-146° 48.43'	222	4.0	724	43	163	19	30	10	10
4140	PWS	7/10	60° 29.77'	-147° 09.40'	106	4.0	390	20	281	36	5	10	0
4141	PWS	7/11	60° 29.60'	-147° 28.83'	104	4.0	129	6	111	14	0	45	0
4142	PWS	7/11	60° 29.34'	-147° 49.05'	212	3.9	428	22	73	9	15	44	10
4143	PWS	7/9	60° 40.60'	-146° 49.44'	232	4.0	749	44	157	17	15	0	5
4144	PWS	7/9	60° 39.94'	-147° 08.88'	135	4.0	453	26	179	22	0	35	5
4145	PWS	7/9	60° 49.22'	-147° 09.28'	194	4.0	562	27	111	14	5	15	5
4146	PWS	7/8	60° 49.99'	-148° 09.90'	170	4.0	441	20	62	8	5	15	25
4147	Seward	7/20	58° 39.95'	-148° 33.98'	130	4.0	551	28	55	8	99	0	5
4148	Seward	6/20	58° 40.29'	-148° 54.14'	91	4.0	95	7	4	1	25	35	20
4149	Seward	7/20	58° 49.66'	-148° 14.91'	153	4.0	1,099	55	238	26	20	0	30
4150	Seward	7/20	58° 49.16'	-148° 34.92'	164	4.0	312	14	14	2	109	0	20
4151	Seward	6/19	58° 50.38'	-148° 53.19'	140	4.0	800	39	38	4	50	0	10
4152	Seward	6/20	58° 50.18'	-149° 12.79'	117	3.9	225	13	9	1	123	15	5
4153	Seward	7/21	59° 00.55'	-147° 53.92'	227	3.9	0	0	0	0	29	0	5
4154	Seward	7/19	58° 59.55'	-148° 12.74'	123	4.0	1,168	61	115	15	5	79	0
4155	Seward	7/19	59° 00.16'	-148° 34.03'	134	4.0	106	5	24	3	80	0	0
4156	Seward	6/19	59° 00.19'	-148° 54.34'	112	4.0	43	3	14	2	53	0	0
4157	Seward	6/19	58° 59.31'	-149° 11.45'	123	4.0	168	9	48	6	54	0	0
4158	Seward	7/4	58° 59.27'	-149° 31.77'	130	4.0	56	3	19	2	40	0	0
4159	Seward	7/27	59° 10.04'	-147° 35.99'	120	4.0	2,230	120	333	35	5	74	15
4160	Seward	7/21	59° 09.51'	-147° 52.84'	112	3.9	827	44	161	20	10	15	5
4161	Seward	7/21	59° 10.36'	-148° 14.14'	66	4.0	1,708	76	228	31	0	5	55
4162	Seward	7/19	59° 09.65'	-148° 32.07'	86	4.0	228	15	87	10	25	45	0
4163	Seward	7/18	59° 10.56'	-148° 53.56'	97	4.0	202	13	89	11	5	5	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
4164	Seward	7/18	59° 10.63'	-149° 12.60'	85	3.9	1,406	53	128	17	10	5	29
4165	Seward	7/17	59° 09.86'	-149° 32.72'	89	3.9	214	14	79	9	34	0	0
4166	Seward	7/17	59° 10.24'	-149° 50.42'	72	3.9	402	21	201	25	20	0	0
4167	Seward	7/27	59° 19.91'	-147° 34.34'	68	4.0	655	30	221	30	0	0	25
4168	Seward	7/27	59° 20.21'	-147° 53.36'	100	4.0	15	1	12	2	0	0	0
4169	Seward	7/26	59° 20.29'	-148° 13.94'	87	4.0	523	32	152	19	5	0	0
4170	Seward	7/26	59° 20.35'	-148° 33.58'	50	4.0	937	33	298	39	0	0	89
4171	Seward	7/18	59° 20.05'	-148° 53.27'	94	4.0	690	43	175	20	0	0	5
4172	Seward	8/8	59° 20.07'	-149° 11.69'	104	4.0	1,084	66	166	19	20	15	0
4173	Seward	7/17	59° 19.53'	-149° 32.84'	67	4.0	628	32	368	48	0	20	0
4174	Seward	6/16	59° 19.97'	-149° 51.17'	103	4.0	260	19	80	9	20	5	0
4175	Seward	6/16	59° 19.44'	-150° 09.89'	88	4.0	440	21	105	12	0	40	0
4176	Seward	8/13	59° 29.11'	-147° 52.18'	59	4.0	151	5	39	5	0	0	5
4177	Seward	8/13	59° 30.11'	-148° 12.67'	114	4.0	0	0	41	6	25	0	0
4178	Seward	7/26	59° 29.96'	-148° 33.05'	54	4.0	24	2	161	25	0	0	0
4179	Seward	8/8	59° 29.76'	-148° 52.27'	92	4.0	11	1	0	0	0	0	0
4180	Seward	8/8	59° 30.53'	-149° 10.96'	120	4.0	878	28	62	7	64	5	5
4181	Seward	7/23	59° 30.51'	-149° 32.55'	56	4.0	131	8	474	69	0	0	5
4182	Seward	7/23	59° 29.93'	-149° 51.75'	110	4.0	666	34	128	14	15	20	0
4183	Seward	6/16	59° 29.80'	-150° 11.14'	68	4.0	320	14	155	20	0	10	0
4184	Seward	8/13	59° 40.12'	-147° 53.52'	36	4.0	1,264	73	859	100	0	0	35
4185	Seward	8/7	59° 39.98'	-148° 13.27'	75	4.0	103	7	126	15	0	0	0
4186	Seward	8/7	59° 40.22'	-148° 31.74'	115	4.0	104	3	12	2	20	0	0
4187	Seward	8/9	59° 39.61'	-148° 51.47'	98	4.0	54	2	9	1	5	0	0
4188	Seward	8/10	59° 39.81'	-149° 13.28'	115	4.0	442	15	41	5	35	15	0
4189	Seward	7/23	59° 40.50'	-149° 32.75'	150	4.0	163	8	36	4	10	69	0
4190	Seward	8/7	59° 49.15'	-148° 12.19'	62	4.0	259	17	146	21	5	5	0
4191	Seward	8/9	59° 50.42'	-148° 32.51'	71	4.0	0	0	18	2	0	15	0
4192	Seward	8/9	59° 50.27'	-148° 52.65'	90	4.0	35	2	18	3	5	15	0
4193	Seward	8/10	59° 49.97'	-149° 12.55'	70	4.0	307	18	81	11	7	7	0
4194	Seward	8/10	59° 49.99'	-149° 30.54'	119	4.0	519	28	59	7	15	64	0
4195	Gore Pt.	6/23	58° 00.27'	-149° 12.52'	73	4.0	2,032	128	345	40	0	0	20
4196	Gore Pt.	6/23	58° 09.20'	-148° 54.27'	70	4.0	1,028	64	113	15	0	153	5
4197	Gore Pt.	6/23	58° 09.38'	-149° 13.25'	64	4.0	13	1	25	4	0	0	5
4198	Gore Pt.	6/24	58° 09.88'	-149° 31.74'	61	3.9	622	35	210	29	0	5	20
4199	Gore Pt.	6/24	58° 10.20'	-149° 50.70'	74	3.9	975	67	370	44	5	10	0
4200	Gore Pt.	6/21	58° 19.82'	-148° 35.47'	92	4.0	364	21	86	10	45	54	0
4201	Gore Pt.	6/21	58° 19.59'	-148° 54.20'	69	4.0	203	14	80	12	0	139	0
4202	Gore Pt.	6/22	58° 19.75'	-149° 13.55'	86	4.0	356	24	72	10	0	153	0
4203	Gore Pt.	6/28	58° 19.95'	-149° 30.45'	86	3.9	385	27	71	9	0	20	0
4204	Gore Pt.	6/24	58° 20.19'	-149° 50.99'	41	4.0	569	44	1,076	132	0	0	0
4205	Gore Pt.	6/29	58° 19.23'	-150° 10.05'	27	4.0	703	46	1,039	144	0	0	0
4206	Gore Pt.	6/29	58° 20.02'	-150° 30.02'	30	4.0	88	7	1,181	158	0	0	0
4207	Gore Pt.	6/21	58° 29.74'	-148° 34.95'	69	4.0	373	23	73	13	0	153	0
4208	Gore Pt.	6/22	58° 29.98'	-148° 52.95'	62	4.0	672	39	326	46	0	25	0
4209	Gore Pt.	6/22	58° 29.80'	-149° 11.74'	66	3.9	285	19	107	15	0	59	0
4210	Gore Pt.	6/28	58° 29.38'	-149° 32.87'	80	4.0	703	50	82	10	0	119	0
4211	Gore Pt.	6/28	58° 29.63'	-149° 50.59'	75	3.9	260	19	123	16	0	25	0
4212	Gore Pt.	6/30	58° 30.30'	-150° 08.74'	50	4.0	517	30	429	65	0	0	10
4213	Gore Pt.	6/29	58° 30.10'	-150° 29.14'	48	4.0	205	11	500	80	0	0	0
4214	Gore Pt.	6/14	58° 30.35'	-150° 46.83'	59	4.0	782	61	359	40	0	30	0
4215	Gore Pt.	6/20	58° 39.62'	-149° 11.90'	76	4.0	305	20	160	24	0	10	0
4216	Gore Pt.	7/3	58° 39.33'	-149° 33.27'	74	4.0	264	18	88	12	0	10	0
4217	Gore Pt.	7/3	58° 40.51'	-149° 50.36'	84	4.0	246	17	112	14	10	15	0
4218	Gore Pt.	6/30	58° 39.83'	-150° 09.38'	68	4.0	1,446	96	717	87	0	5	0
4219	Gore Pt.	6/30	58° 39.84'	-150° 28.74'	110	3.9	468	30	274	35	29	15	0
4220	Gore Pt.	6/14	58° 39.69'	-150° 50.16'	111	4.0	120	7	35	4	40	15	0
4221	Gore Pt.	6/14	58° 40.10'	-151° 06.33'	100	4.0	248	15	17	2	40	45	0
4222	Gore Pt.	7/4	58° 49.77'	-149° 31.68'	122	4.0	552	26	14	2	50	0	0
4223	Gore Pt.	7/3	58° 50.02'	-149° 50.03'	133	4.0	997	56	38	4	30	0	5
4224	Gore Pt.	7/2	58° 49.77'	-150° 11.08'	86	4.0	995	66	316	41	15	30	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
4225	Gore Pt.	7/1	58° 49.80'	-150° 30.45'	98	4.0	285	19	228	28	25	89	0
4226	Gore Pt.	7/1	58° 50.18'	-150° 47.95'	93	4.0	436	29	169	21	20	35	0
4227	Gore Pt.	6/13	58° 50.77'	-151° 08.71'	87	4.0	810	52	287	32	5	0	0
4228	Gore Pt.	6/13	58° 50.05'	-151° 27.98'	61	4.0	326	25	685	96	0	25	0
4229	Gore Pt.	7/4	58° 59.30'	-149° 51.20'	120	4.0	265	12	10	1	40	0	0
4230	Gore Pt.	7/2	59° 00.16'	-150° 10.86'	104	4.0	195	12	46	5	20	0	0
4231	Gore Pt.	7/2	58° 59.98'	-150° 30.37'	65	4.0	157	12	523	78	0	15	0
4232	Gore Pt.	7/1	58° 59.97'	-150° 49.09'	89	4.0	858	49	275	35	5	10	0
4233	Gore Pt.	6/12	58° 59.88'	-151° 08.63'	81	4.0	745	42	205	24	0	45	10
4234	Gore Pt.	6/13	59° 00.06'	-151° 27.88'	71	3.9	546	28	417	49	0	49	5
4235	Gore Pt.	6/10	59° 09.91'	-150° 10.57'	69	4.0	278	18	312	44	0	15	0
4236	Gore Pt.	6/10	59° 09.87'	-150° 30.71'	66	4.0	126	8	197	24	0	5	0
4237	Gore Pt.	6/12	59° 09.98'	-150° 50.03'	62	4.0	291	21	381	49	0	10	20
4238	Gore Pt.	6/12	59° 10.06'	-151° 10.29'	34	4.0	808	41	371	49	0	0	25
4239	Gore Pt.	6/10	59° 19.60'	-150° 31.65'	147	4.0	898	39	140	16	5	100	5
4240	Portlock	8/30	57° 20.07'	-150° 44.43'	98	4.0	1,086	67	122	14	25	20	5
4241	Portlock	8/31	57° 30.09'	-150° 11.35'	202	3.9	178	9	39	4	34	0	39
4242	Portlock	8/30	57° 29.91'	-150° 27.28'	88	4.0	567	37	268	31	0	5	0
4243	Portlock	8/30	57° 29.98'	-150° 45.02'	53	4.0	91	7	308	42	0	109	0
4244	Portlock	8/31	57° 41.55'	-149° 50.81'	180	4.0	355	21	54	6	46	0	86
4246	Portlock	8/26	57° 39.85'	-150° 29.31'	47	4.0	715	45	476	66	0	10	0
4247	Portlock	8/26	57° 39.94'	-150° 46.03'	46	4.0	1,347	67	651	84	0	15	0
4248	Portlock	8/27	57° 39.91'	-151° 05.02'	39	4.0	407	25	442	57	0	35	0
4249	Portlock	8/27	57° 40.08'	-151° 22.95'	35	4.0	203	15	611	76	0	0	0
4250	Portlock	9/2	57° 50.22'	-149° 32.57'	121	4.0	1,336	76	157	17	50	10	0
4251	Portlock	9/2	57° 50.05'	-149° 49.56'	139	4.0	1,697	103	383	49	14	0	0
4252	Portlock	9/1	57° 50.31'	-150° 08.92'	106	4.0	958	55	273	34	25	15	5
4253	Portlock	9/1	57° 50.13'	-150° 28.51'	49	4.0	554	36	241	29	0	0	0
4254	Portlock	8/26	57° 49.97'	-150° 47.88'	43	4.0	285	14	547	73	0	30	0
4255	Portlock	8/27	57° 49.97'	-151° 07.53'	37	4.0	256	17	867	120	0	0	0
4256	Portlock	8/13	57° 50.13'	-151° 23.32'	28	4.0	197	11	1,187	155	0	20	0
4257	Portlock	8/13	57° 49.82'	-151° 42.16'	27	4.0	219	14	597	86	0	40	0
4258	Portlock	8/12	57° 50.09'	-152° 02.05'	47	4.0	365	25	289	35	0	20	0
4259	Portlock	9/2	57° 59.90'	-149° 33.76'	72	4.0	2,330	150	346	39	0	20	0
4260	Portlock	9/2	57° 59.93'	-149° 51.59'	131	4.0	1,108	65	240	28	45	40	0
4261	Portlock	9/1	58° 00.02'	-150° 08.40'	126	4.0	929	56	129	15	30	0	0
4262	Portlock	8/25	58° 00.05'	-150° 27.94'	89	4.0	764	53	335	40	15	59	0
4263	Portlock	8/24	58° 00.05'	-150° 45.73'	69	3.9	861	56	436	54	0	44	0
4264	Portlock	8/24	58° 00.09'	-151° 07.01'	44	4.0	221	14	435	55	0	114	0
4265	Portlock	8/23	58° 00.03'	-151° 23.91'	42	4.0	130	5	307	43	0	45	0
4266	Portlock	8/13	57° 59.98'	-151° 48.81'	60	4.0	761	55	481	57	10	94	0
4267	Portlock	8/12	58° 00.03'	-152° 02.42'	96	4.0	1,135	60	147	17	20	74	0
4268	Portlock	8/12	57° 59.97'	-152° 21.84'	112	4.0	875	41	100	12	5	70	0
4269	Portlock	8/25	58° 09.97'	-150° 10.37'	80	4.0	1,809	109	510	60	0	64	0
4270	Portlock	8/25	58° 09.92'	-150° 30.12'	61	4.1	407	26	635	85	0	25	0
4271	Portlock	8/24	58° 10.47'	-150° 47.66'	56	4.0	240	16	306	40	0	50	0
4272	Portlock	8/23	58° 09.96'	-151° 08.28'	78	4.0	651	45	166	20	40	50	0
4273	Portlock	8/23	58° 09.92'	-151° 23.94'	87	4.0	596	41	237	30	5	69	0
4274	Portlock	8/14	58° 09.24'	-151° 40.74'	39	4.0	578	38	930	117	0	20	0
4275	Portlock	8/15	58° 19.92'	-150° 48.97'	34	4.0	62	5	281	40	0	0	0
4276	Portlock	8/15	58° 20.16'	-151° 06.62'	67	4.0	248	19	334	43	5	40	0
4277	Portlock	8/14	58° 20.04'	-151° 26.34'	36	4.0	1,036	73	895	107	0	0	0
4278	Portlock	8/14	58° 19.99'	-151° 45.23'	28	4.1	958	54	483	56	0	0	0
4279	Portlock	8/15	58° 29.94'	-151° 06.80'	52	4.0	189	14	515	69	0	15	0
4280	Portlock	8/12	58° 29.99'	-151° 27.99'	93	4.0	948	62	224	26	25	15	0
4281	Portlock	8/16	58° 30.02'	-151° 44.24'	91	4.0	1,847	103	208	25	30	10	0
4282	Portlock	8/16	58° 40.07'	-151° 25.59'	100	4.0	757	43	271	36	35	25	0
4283	Portlock	8/17	58° 40.05'	-151° 47.38'	68	4.0	831	50	655	89	0	5	0
4284	Portlock	8/17	58° 40.27'	-152° 04.24'	71	4.0	576	34	201	24	5	0	0
4285	Portlock	8/17	58° 50.17'	-152° 05.61'	62	4.0	775	33	531	76	0	10	0
4286	Albatross	6/21	56° 19.98'	-152° 50.17'	61	4.0	1,108	65	462	60	0	20	10

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
4287	Albatross	6/21	56° 20.03'	-153° 08.88'	49	4.0	195	13	148	23	0	10	0
4288	Albatross	6/28	56° 19.99'	-153° 27.35'	34	4.0	570	29	865	107	0	0	0
4289	Albatross	6/22	56° 29.94'	-152° 13.81'	97	4.0	1,136	78	522	62	10	5	5
4290	Albatross	6/22	56° 30.04'	-152° 33.71'	140	4.0	762	44	102	11	60	0	10
4291	Albatross	6/21	56° 29.97'	-152° 52.00'	28	4.0	1,853	83	403	49	0	79	0
4292	Albatross	6/20	56° 29.98'	-153° 08.72'	39	4.0	93	6	200	27	0	66	0
4293	Albatross	6/28	56° 30.07'	-153° 27.93'	51	4.0	328	23	581	84	0	0	0
4294	Albatross	6/28	56° 30.00'	-153° 44.79'	37	4.0	520	18	87	11	0	60	0
4295	Albatross	6/24	56° 40.05'	-151° 55.91'	37	4.0	1,417	92	871	109	0	10	0
4296	Albatross	6/22	56° 39.96'	-152° 15.03'	25	4.0	661	38	620	89	0	0	0
4297	Albatross	6/23	56° 39.93'	-152° 32.88'	82	4.0	745	49	300	37	15	15	0
4298	Albatross	6/20	56° 40.03'	-152° 53.23'	38	4.1	542	30	576	86	0	15	0
4299	Albatross	6/20	56° 39.95'	-153° 08.62'	83	3.9	326	17	129	18	0	29	0
4300	Albatross	6/27	56° 40.08'	-153° 28.92'	81	4.0	627	28	202	23	0	5	0
4301	Albatross	6/27	56° 39.97'	-153° 45.81'	43	3.9	460	25	384	48	0	34	0
4302	Albatross	6/24	56° 50.00'	-151° 40.23'	165	4.0	324	23	118	13	59	5	15
4303	Albatross	6/24	56° 49.95'	-151° 56.72'	41	4.0	1,735	94	789	93	0	5	0
4304	Albatross	6/23	56° 49.98'	-152° 15.14'	53	4.0	1,047	48	680	87	0	30	0
4305	Albatross	6/23	56° 50.09'	-152° 34.70'	76	4.0	555	36	212	26	5	20	0
4306	Albatross	6/19	56° 49.98'	-152° 53.41'	34	4.0	128	7	678	101	0	0	0
4307	Albatross	6/19	56° 50.05'	-153° 12.03'	64	4.0	1,048	61	440	55	0	10	0
4308	Albatross	6/27	56° 50.02'	-153° 30.05'	48	4.0	304	19	397	55	0	10	0
4309	Albatross	6/7	56° 59.89'	-151° 40.20'	40	4.0	1,017	65	486	59	0	135	0
4310	Albatross	6/7	56° 59.99'	-152° 00.07'	45	4.0	58	5	682	101	0	45	0
4311	Albatross	6/6	56° 59.96'	-152° 17.35'	40	4.0	843	42	711	96	0	40	0
4312	Albatross	6/6	56° 59.91'	-152° 35.88'	85	4.0	912	48	365	44	0	30	0
4313	Albatross	6/19	56° 59.98'	-152° 53.01'	64	4.0	298	19	241	29	0	30	0
4314	Albatross	6/8	57° 10.02'	-151° 05.65'	160	4.0	105	6	46	5	64	0	54
4315	Albatross	6/8	57° 09.97'	-151° 21.55'	71	4.0	1,645	111	391	44	0	59	0
4316	Albatross	6/7	57° 09.98'	-151° 41.92'	40	4.0	373	21	292	41	0	95	0
4317	Albatross	6/5	57° 09.98'	-151° 59.91'	38	4.0	329	20	338	43	0	95	0
4318	Albatross	6/5	57° 09.98'	-152° 17.77'	42	4.0	113	8	576	83	0	25	0
4319	Albatross	6/6	57° 09.93'	-152° 34.38'	56	4.0	439	24	407	54	0	30	0
4320	Albatross	6/8	57° 20.00'	-151° 03.60'	49	4.0	1,859	106	523	67	0	0	0
4321	Albatross	6/9	57° 20.01'	-151° 21.59'	77	4.0	832	54	311	36	0	129	0
4322	Albatross	6/10	57° 19.99'	-151° 40.08'	34	4.0	260	15	670	93	0	5	0
4323	Albatross	6/10	57° 20.02'	-151° 58.74'	40	4.0	269	18	323	42	0	84	0
4324	Albatross	6/5	57° 19.96'	-152° 19.19'	21	4.0	706	24	122	15	0	104	0
4325	Albatross	6/9	57° 29.98'	-151° 03.78'	44	4.0	1,186	72	717	91	0	5	0
4326	Albatross	6/9	57° 29.95'	-151° 24.27'	60	4.0	932	66	443	60	0	45	0
4327	Albatross	6/10	57° 30.01'	-151° 42.34'	60	4.0	883	62	564	69	0	25	0
4328	Albatross	6/2	57° 30.00'	-152° 00.92'	25	4.0	921	41	700	84	0	110	0
4329	Albatross	6/2	57° 40.01'	-151° 42.47'	34	4.0	321	23	770	96	0	35	0
4330	Albatross	6/2	57° 40.03'	-152° 02.36'	66	4.0	532	36	439	52	0	59	0
4331	Shelikof	6/6	57° 29.49'	-154° 55.03'	126	4.0	548	30	158	20	15	20	0
4332	Shelikof	6/5	57° 39.99'	-154° 34.97'	120	4.0	331	17	199	24	45	30	0
4333	Shelikof	6/6	57° 39.98'	-154° 54.02'	128	4.0	572	28	82	11	15	20	0
4334	Shelikof	6/6	57° 40.55'	-155° 12.98'	164	4.0	312	20	128	16	15	10	0
4335	Shelikof	6/4	57° 50.00'	-154° 15.88'	112	4.0	762	39	400	52	5	25	0
4336	Shelikof	6/5	57° 50.02'	-154° 33.10'	124	4.0	386	26	254	33	5	40	0
4337	Shelikof	6/5	57° 50.73'	-154° 53.01'	153	3.9	498	25	221	28	0	44	0
4338	Shelikof	6/2	57° 59.99'	-153° 36.97'	90	4.0	971	62	348	42	0	10	0
4339	Shelikof	6/4	58° 00.01'	-153° 55.99'	107	4.0	641	35	303	40	5	45	0
4340	Shelikof	6/4	57° 59.97'	-154° 13.05'	124	3.9	392	25	183	25	5	29	0
4341	Shelikof	6/2	58° 10.02'	-153° 17.82'	35	4.0	157	9	453	77	0	55	0
4342	Shelikof	6/2	58° 09.38'	-153° 38.01'	107	4.0	569	29	169	21	0	45	0
4343	Shelikof	6/3	58° 09.74'	-153° 57.01'	115	4.0	411	25	411	50	15	25	0
4344	Shelikof	6/22	58° 19.92'	-153° 19.98'	97	4.0	292	16	75	9	0	10	0
4345	Shelikof	6/3	58° 19.97'	-153° 40.16'	95	3.9	511	24	165	22	0	0	0
4346	Shelikof	6/3	58° 20.00'	-153° 56.91'	58	4.0	681	38	211	26	0	69	0
4347	Shelikof	6/20	58° 29.40'	-153° 01.97'	91	3.9	354	25	170	22	0	10	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
4348	Shelikof	6/21	58° 30.63'	-153° 20.97'	97	4.0	519	28	401	48	0	0	0
4349	Shelikof	6/21	58° 30.00'	-153° 42.12'	45	4.0	957	44	339	44	0	45	0
4350	Shelikof	6/20	58° 39.99'	-152° 43.89'	109	4.0	421	21	167	23	0	5	0
4351	Shelikof	6/20	58° 40.60'	-153° 02.97'	84	4.0	972	53	562	69	5	20	0
4352	Shelikof	6/21	58° 39.32'	-153° 23.02'	35	4.0	1,000	55	447	60	0	44	0
4353	Shelikof	6/10	58° 49.94'	-152° 25.99'	99	4.0	829	45	73	8	5	50	0
4354	Shelikof	6/19	58° 49.92'	-152° 45.00'	103	4.0	1,262	85	468	54	5	29	0
4355	Shelikof	6/19	58° 50.63'	-153° 04.00'	89	4.0	438	28	651	77	0	30	0
4356	Shelikof	6/11	59° 00.00'	-151° 48.24'	74	4.0	575	36	991	129	0	0	0
4357	Shelikof	6/11	58° 59.98'	-152° 08.17'	75	4.0	1,245	79	805	97	0	5	0
4358	Shelikof	6/10	59° 00.68'	-152° 27.03'	83	4.0	375	24	373	46	0	5	0
4359	Shelikof	6/18	59° 00.00'	-152° 46.00'	90	3.9	871	62	291	33	0	24	0
4360	Shelikof	6/19	59° 00.06'	-153° 04.98'	83	4.0	515	27	465	56	0	15	0
4361	Shelikof	6/11	59° 09.25'	-152° 08.01'	80	4.0	698	50	852	102	0	10	0
4362	Shelikof	6/10	59° 09.36'	-152° 26.97'	63	3.9	370	25	876	118	0	0	0
4363	Shelikof	6/18	59° 09.97'	-152° 48.18'	75	3.9	133	9	410	53	0	10	0
4364	Shelikof	6/17	59° 10.59'	-153° 05.97'	43	4.0	34	2	414	56	0	69	0
4365	Shelikof	6/17	59° 10.00'	-153° 24.85'	22	4.0	1,200	54	427	54	0	90	0
4366	Shelikof	6/12	59° 19.31'	-152° 09.05'	41	4.0	203	12	1,033	151	0	0	0
4367	Shelikof	6/13	59° 20.02'	-152° 29.27'	38	4.0	117	9	831	125	0	5	0
4368	Shelikof	6/13	59° 19.99'	-152° 48.05'	43	4.0	273	15	517	73	0	20	0
4369	Shelikof	6/17	59° 19.30'	-153° 08.00'	28	4.0	171	9	261	34	0	30	0
4370	Shelikof	6/12	59° 30.09'	-151° 48.72'	44	4.0	426	23	183	23	0	10	0
4371	Shelikof	6/12	59° 30.00'	-152° 09.01'	23	4.0	471	24	815	109	0	0	0
4372	Shelikof	6/14	59° 30.01'	-152° 27.68'	28	4.0	945	55	692	94	0	5	0
4373	Shelikof	6/13	59° 29.37'	-152° 49.00'	29	4.0	1,395	69	458	57	0	94	0
4374	Shelikof	6/14	59° 39.99'	-152° 28.76'	44	4.0	1,859	93	399	50	0	15	0
4375	Shelikof	6/14	59° 49.99'	-152° 10.95'	27	3.9	612	44	1,100	139	0	0	0
5001	Trinity	6/3	55° 59.99'	-153° 36.12'	53	4.0	468	25	280	42	0	0	0
5002	Trinity	6/3	56° 00.02'	-153° 54.75'	72	4.0	165	12	210	35	0	0	0
5003	Trinity	6/6	55° 59.95'	-154° 11.96'	61	4.0	432	25	406	56	0	0	0
5004	Trinity	6/6	56° 00.57'	-154° 29.96'	203	4.0	170	12	74	8	45	0	5
5005	Trinity	6/7	55° 59.34'	-154° 47.99'	134	4.0	55	4	53	6	99	0	0
5006	Trinity	6/7	55° 59.99'	-155° 04.64'	36	4.0	64	5	261	50	0	69	0
5007	Trinity	6/4	56° 10.00'	-153° 34.97'	79	4.0	105	7	214	32	0	50	0
5008	Trinity	6/4	56° 10.00'	-153° 52.67'	125	3.9	946	70	471	56	5	0	20
5009	Trinity	6/5	56° 09.36'	-154° 11.02'	67	4.0	305	19	336	48	0	80	0
5010	Trinity	6/6	56° 09.41'	-154° 28.98'	53	4.0	744	42	601	83	0	35	0
5011	Trinity	6/7	56° 09.98'	-154° 46.61'	48	4.0	277	17	333	47	0	69	0
5013	Trinity	6/8	56° 09.92'	-155° 21.86'	21	4.0	11	1	104	16	0	178	0
5014	Trinity	6/8	56° 10.54'	-155° 41.25'	36	4.0	225	10	106	16	0	135	0
5015	Trinity	6/4	56° 20.54'	-153° 51.01'	49	4.0	422	18	468	73	0	15	0
5016	Trinity	6/5	56° 19.93'	-154° 10.00'	51	4.0	287	16	309	45	0	79	0
5017	Trinity	6/5	56° 20.00'	-154° 29.46'	32	4.0	52	3	137	23	0	40	0
5018	Trinity	6/8	56° 19.99'	-155° 22.23'	26	4.0	83	4	153	26	0	99	0
5019	Trinity	6/8	56° 20.20'	-155° 39.82'	42	4.0	640	27	132	23	0	0	0
5020	Trinity	6/11	56° 30.84'	-155° 21.00'	29	4.0	134	6	380	61	0	129	0
5021	Trinity	6/10	56° 30.05'	-155° 39.01'	64	4.0	535	34	304	41	0	149	0
5022	Trinity	6/11	56° 40.11'	-155° 03.15'	25	4.0	169	8	241	37	0	109	0
5023	Trinity	6/11	56° 39.49'	-155° 20.00'	51	4.0	269	19	256	32	0	149	0
5024	Trinity	6/10	56° 39.41'	-155° 38.02'	131	4.0	434	28	184	23	10	15	0
5025	Trinity	6/10	56° 39.77'	-155° 56.02'	160	4.0	109	7	122	16	30	0	0
5026	Trinity	6/24	56° 49.41'	-154° 23.98'	34	4.0	196	11	473	64	0	79	0
5027	Trinity	6/24	56° 50.66'	-154° 42.02'	35	3.9	92	7	220	33	0	74	0
5028	Trinity	6/23	56° 50.01'	-155° 00.26'	41	4.0	552	34	480	68	0	20	0
5029	Trinity	6/23	56° 50.01'	-155° 19.13'	127	4.0	433	25	150	19	25	10	0
5030	Trinity	6/18	56° 50.02'	-155° 36.34'	153	4.0	328	19	99	12	15	0	0
5031	Trinity	6/18	56° 50.55'	-155° 55.03'	164	4.0	155	9	36	5	45	0	0
5032	Trinity	6/24	57° 00.01'	-154° 42.12'	27	4.0	153	9	367	58	0	10	0
5033	Trinity	6/23	57° 00.04'	-154° 57.80'	53	4.0	293	22	378	51	0	69	0
5034	Trinity	6/23	56° 59.98'	-155° 16.98'	140	4.0	243	16	128	17	5	30	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
5035	Trinity	6/18	56° 59.97'	-155° 34.87'	156	4.0	407	19	58	9	15	5	0
5036	Trinity	6/18	57° 00.43'	-155° 54.00'	165	4.0	217	11	41	6	59	0	0
5037	Trinity	6/16	57° 10.01'	-154° 38.99'	25	4.0	453	30	386	56	0	41	0
5038	Trinity	6/16	57° 09.48'	-154° 58.02'	111	4.0	324	24	506	71	0	25	0
5039	Trinity	6/17	57° 09.85'	-155° 15.98'	137	4.0	457	27	179	22	20	25	0
5040	Trinity	6/17	57° 09.89'	-155° 35.03'	151	4.0	201	12	43	6	40	5	0
5041	Trinity	6/21	57° 10.10'	-155° 52.99'	138	4.0	505	25	104	15	40	50	0
5042	Trinity	6/16	57° 20.05'	-154° 57.01'	110	4.0	394	27	217	27	5	153	0
5043	Trinity	6/17	57° 20.00'	-155° 16.16'	138	4.0	471	22	78	11	25	0	0
5044	Trinity	6/22	57° 19.84'	-155° 33.75'	158	4.0	256	16	67	10	15	35	0
5045	Trinity	6/21	57° 19.37'	-155° 51.19'	82	4.0	313	14	223	30	0	74	5
5046	Trinity	6/21	57° 19.99'	-156° 12.27'	86	4.0	266	15	104	14	0	69	0
5047	Trinity	6/22	57° 30.03'	-155° 13.72'	144	4.0	384	20	50	6	25	35	0
5048	Trinity	6/22	57° 30.00'	-155° 32.09'	169	4.0	440	25	313	36	25	25	0
5096	Chignik	7/19	54° 49.90'	-157° 33.00'	238	4.0	0	0	10	1	50	0	25
5097	Chignik	8/8	54° 50.54'	-157° 50.01'	85	3.9	372	28	461	58	10	69	0
5098	Chignik	7/19	55° 00.82'	-157° 14.93'	99	4.0	100	8	197	25	5	45	0
5099	Chignik	7/19	54° 59.97'	-157° 32.72'	55	4.0	1,089	68	494	63	0	54	0
5100	Chignik	8/8	54° 59.98'	-157° 49.85'	46	4.0	691	38	203	25	0	78	5
5101	Chignik	8/8	55° 00.03'	-158° 06.09'	71	4.0	109	8	147	25	0	54	0
5102	Chignik	7/6	55° 10.00'	-156° 22.00'	290	3.9	0	0	0	0	29	0	0
5103	Chignik	7/2	55° 10.01'	-156° 40.49'	284	4.0	0	0	0	0	54	0	0
5104	Chignik	7/2	55° 10.52'	-156° 57.00'	81	4.0	195	14	577	72	0	45	0
5105	Chignik	7/19	55° 08.13'	-157° 14.00'	67	4.0	261	17	326	46	0	144	5
5106	Chignik	7/18	55° 10.36'	-157° 32.00'	47	4.0	906	50	751	105	0	25	0
5107	Chignik	7/25	55° 10.01'	-157° 48.53'	44	4.0	347	25	550	78	0	0	0
5108	Chignik	7/25	55° 09.32'	-158° 07.03'	56	4.0	260	16	434	60	0	64	0
5109	Chignik	7/2	55° 20.02'	-156° 38.09'	70	4.0	192	12	213	30	0	139	5
5110	Chignik	7/2	55° 20.48'	-156° 56.01'	52	4.0	466	28	325	45	40	0	0
5111	Chignik	7/18	55° 20.12'	-157° 12.52'	50	4.0	223	13	169	29	0	134	0
5112	Chignik	7/18	55° 20.26'	-157° 30.97'	47	4.0	115	7	407	65	0	114	0
5113	Chignik	7/25	55° 19.55'	-157° 49.00'	46	4.0	150	10	374	69	0	35	0
5114	Chignik	7/24	55° 20.18'	-158° 06.60'	58	4.0	227	16	511	78	0	50	0
5115	Chignik	7/24	55° 19.25'	-158° 24.04'	82	4.0	280	19	406	57	0	25	0
5116	Chignik	7/1	55° 29.99'	-156° 38.02'	100	4.0	98	6	92	11	64	30	0
5117	Chignik	7/14	55° 30.40'	-156° 54.99'	49	4.0	550	35	707	100	0	20	0
5118	Chignik	7/17	55° 30.01'	-157° 14.70'	48	4.0	450	25	469	72	0	79	0
5119	Chignik	7/17	55° 29.70'	-157° 31.00'	52	4.0	294	15	406	69	0	50	0
5120	Chignik	7/26	55° 30.31'	-157° 48.00'	55	4.0	240	19	491	71	0	45	0
5121	Chignik	7/26	55° 30.38'	-158° 06.00'	72	3.9	430	29	584	76	0	59	0
5122	Chignik	7/27	55° 30.81'	-158° 24.00'	80	4.0	340	21	452	57	0	120	0
5123	Chignik	7/14	55° 40.35'	-156° 55.00'	50	4.0	108	7	679	123	0	25	0
5124	Chignik	7/17	55° 40.15'	-157° 13.01'	47	4.0	260	14	382	78	0	15	0
5125	Chignik	7/17	55° 40.15'	-157° 29.96'	55	4.0	437	30	451	67	0	64	0
5126	Chignik	7/26	55° 38.97'	-157° 48.00'	74	4.0	108	8	228	34	0	64	0
5127	Chignik	7/26	55° 40.00'	-158° 05.21'	71	4.0	172	12	94	15	0	50	0
5128	Chignik	7/27	55° 39.92'	-158° 22.25'	72	4.0	158	11	232	35	0	59	0
5129	Chignik	7/27	55° 40.00'	-158° 38.97'	52	3.9	186	15	655	98	0	78	0
5130	Chignik	7/15	55° 49.95'	-157° 12.00'	55	4.0	107	9	417	65	0	125	0
5131	Chignik	7/15	55° 50.16'	-157° 29.99'	55	4.0	173	13	623	91	0	54	0
5132	Chignik	7/15	55° 50.65'	-157° 47.98'	59	4.0	56	3	369	68	0	104	0
5133	Chignik	7/16	55° 50.18'	-158° 04.98'	43	4.0	425	26	690	116	0	0	0
5134	Chignik	7/16	55° 49.32'	-158° 22.92'	59	4.0	740	42	336	50	0	84	0
5135	Chignik	7/13	56° 00.61'	-157° 29.00'	60	4.0	350	21	466	62	0	104	0
5136	Chignik	7/16	56° 00.42'	-157° 47.02'	69	3.9	263	19	610	86	0	64	0
5137	Chignik	7/16	56° 00.96'	-158° 05.00'	48	4.0	289	14	315	49	0	45	0
5138	Chignik	7/12	56° 09.21'	-157° 47.02'	94	4.0	341	16	291	44	0	99	0
5139	Chignik	7/12	56° 10.00'	-157° 59.38'	65	4.0	916	34	226	30	0	65	0
5140	Chignik	7/12	56° 19.93'	-158° 04.00'	33	4.0	534	23	248	36	0	10	0
5141	Shumagin	8/9	54° 29.98'	-158° 59.23'	168	3.9	141	10	92	10	19	0	15
5142	Shumagin	8/10	54° 30.01'	-159° 18.17'	80	4.0	225	16	260	33	15	50	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
5143	Shumagin	8/10	54° 29.99'	-159° 34.11'	63	4.0	625	38	328	37	0	188	5
5144	Shumagin	8/11	54° 29.98'	-159° 49.85'	67	4.0	141	8	467	75	0	15	0
5145	Shumagin	8/11	54° 29.99'	-160° 09.13'	67	4.0	446	34	587	83	0	50	0
5146	Shumagin	8/9	54° 39.98'	-158° 25.21'	116	4.0	1,049	72	499	59	20	35	10
5147	Shumagin	8/9	54° 40.00'	-158° 43.05'	58	4.0	633	42	389	47	0	139	10
5148	Shumagin	8/9	54° 39.50'	-158° 59.99'	52	4.0	834	50	393	48	0	139	0
5149	Shumagin	8/10	54° 39.52'	-159° 16.95'	42	4.0	404	22	668	89	0	40	5
5150	Shumagin	8/10	54° 40.62'	-159° 34.05'	29	4.0	691	32	354	47	0	50	10
5151	Shumagin	8/12	54° 39.98'	-159° 52.02'	42	4.0	702	35	471	59	0	54	0
5152	Shumagin	8/11	54° 39.70'	-160° 09.03'	51	4.0	817	52	457	62	0	79	0
5153	Shumagin	8/8	54° 49.99'	-158° 07.05'	56	4.0	449	30	425	63	0	59	5
5154	Shumagin	8/7	54° 50.53'	-158° 25.01'	109	4.0	346	22	200	24	74	0	0
5155	Shumagin	8/7	54° 50.00'	-158° 42.90'	54	3.9	661	30	300	45	0	103	0
5156	Shumagin	8/6	54° 49.99'	-158° 59.99'	41	3.9	115	8	248	46	0	34	0
5157	Shumagin	8/12	54° 50.75'	-159° 51.98'	31	4.0	0	0	167	34	0	120	0
5158	Shumagin	8/12	54° 50.00'	-160° 08.08'	38	4.0	95	7	230	34	0	64	0
5159	Shumagin	8/13	54° 50.02'	-160° 26.19'	47	4.0	323	23	345	45	0	59	0
5160	Shumagin	8/7	55° 00.02'	-158° 23.96'	111	4.0	290	18	82	9	94	0	0
5161	Shumagin	8/7	55° 00.04'	-158° 43.00'	69	4.0	577	40	557	77	0	74	0
5162	Shumagin	8/6	55° 00.00'	-158° 58.98'	47	4.0	275	16	487	79	0	5	0
5163	Shumagin	8/6	54° 59.51'	-159° 15.62'	27	4.0	255	12	127	20	0	72	0
5164	Shumagin	8/13	54° 59.98'	-160° 25.73'	53	4.0	355	27	601	82	0	25	0
5165	Shumagin	8/13	55° 00.00'	-160° 45.14'	50	3.9	549	32	614	89	0	5	0
5166	Shumagin	7/24	55° 09.58'	-158° 23.99'	101	4.0	176	12	223	26	20	0	0
5167	Shumagin	8/1	55° 10.18'	-158° 42.01'	111	4.0	158	10	43	5	15	0	0
5168	Shumagin	8/1	55° 10.15'	-158° 59.00'	80	4.0	859	53	348	43	0	54	0
5169	Shumagin	7/30	55° 10.01'	-159° 17.27'	40	4.0	708	35	498	71	0	5	0
5170	Shumagin	8/1	55° 20.00'	-158° 42.09'	100	4.0	103	5	36	5	0	35	0
5171	Shumagin	7/31	55° 20.36'	-158° 59.13'	100	4.0	264	18	8	2	5	10	0
5172	Shumagin	7/31	55° 20.00'	-159° 15.22'	98	4.0	268	15	60	7	0	10	0
5173	Shumagin	7/30	55° 19.35'	-159° 34.02'	78	4.0	452	33	358	46	0	15	0
5174	Shumagin	7/30	55° 20.84'	-159° 52.07'	42	4.0	265	14	566	91	0	20	0
5175	Shumagin	7/27	55° 30.00'	-158° 42.55'	88	4.0	239	13	71	8	5	5	0
5176	Shumagin	7/31	55° 30.02'	-159° 00.19'	63	4.0	163	13	545	78	0	50	0
5177	Shumagin	7/31	55° 29.99'	-159° 17.03'	66	4.0	508	30	661	89	0	40	0
5178	Shumagin	7/29	55° 30.00'	-159° 35.12'	92	4.0	570	32	338	41	0	40	0
5179	Shumagin	7/29	55° 29.99'	-159° 50.84'	92	4.0	831	47	420	52	0	89	0
5181	Shumagin	7/28	55° 40.00'	-158° 58.69'	84	4.0	624	29	267	32	0	25	0
5182	Shumagin	7/28	55° 40.00'	-159° 17.31'	58	4.0	657	33	366	57	0	20	0
5183	Shumagin	7/28	55° 40.27'	-159° 52.00'	70	4.0	957	52	387	50	0	99	0
5184	Shumagin	7/28	55° 49.15'	-158° 59.01'	70	4.0	950	53	784	106	0	45	0
5185	Shumagin	7/28	55° 50.00'	-159° 16.25'	38	4.0	229	12	298	45	0	59	0
5186	Sanak	8/5	54° 00.00'	-163° 15.06'	46	4.0	247	17	257	34	0	70	5
5187	Sanak	8/5	54° 00.00'	-163° 31.02'	56	4.0	33	2	192	30	0	84	0
5188	Sanak	8/21	54° 00.58'	-163° 49.00'	51	4.0	47	4	80	9	0	40	0
5189	Sanak	8/7	54° 10.61'	-161° 34.00'	73	4.0	90	6	172	26	50	10	0
5190	Sanak	8/6	54° 10.00'	-161° 50.16'	45	3.9	875	57	559	67	0	49	5
5191	Sanak	8/6	54° 10.61'	-162° 07.99'	45	4.0	774	44	384	45	0	74	10
5192	Sanak	8/6	54° 10.00'	-162° 24.06'	101	4.0	50	4	220	28	55	20	10
5193	Sanak	8/21	54° 09.98'	-163° 50.00'	49	4.0	115	8	348	50	0	25	0
5194	Sanak	8/8	54° 20.00'	-160° 06.99'	185	3.9	13	1	26	3	25	0	0
5195	Sanak	8/8	54° 20.01'	-160° 27.05'	68	4.0	393	23	353	51	5	50	0
5196	Sanak	8/8	54° 20.00'	-160° 44.07'	58	4.0	344	25	358	44	0	69	15
5197	Sanak	8/10	54° 19.42'	-161° 00.00'	74	4.0	101	7	139	19	0	69	0
5198	Sanak	8/7	54° 20.02'	-161° 17.18'	59	4.1	505	32	425	56	0	71	0
5199	Sanak	8/7	54° 19.98'	-161° 33.99'	80	4.0	363	25	233	30	20	40	0
5200	Sanak	8/17	54° 19.94'	-161° 51.00'	40	4.0	765	44	597	78	0	65	0
5201	Sanak	8/18	54° 19.37'	-162° 08.99'	32	3.9	635	22	351	52	0	24	0
5202	Sanak	8/20	54° 19.41'	-163° 16.98'	29	3.9	219	14	198	24	0	29	0
5203	Sanak	8/20	54° 19.99'	-163° 34.00'	60	3.9	195	13	505	68	0	49	0
5204	Sanak	8/21	54° 20.56'	-163° 51.01'	62	4.0	171	13	499	74	0	5	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
5205	Sanak	8/22	54° 20.00'	-164° 07.96'	52	3.9	50	3	351	52	0	29	0
5206	Sanak	8/9	54° 29.98'	-160° 26.13'	81	3.9	243	16	279	35	10	54	0
5207	Sanak	8/9	54° 29.99'	-160° 42.02'	77	4.0	112	6	83	10	10	10	0
5208	Sanak	8/10	54° 30.65'	-161° 00.00'	72	4.1	304	21	384	52	5	51	0
5209	Sanak	8/10	54° 30.00'	-161° 18.07'	65	4.0	165	9	241	37	0	45	0
5210	Sanak	8/17	54° 30.01'	-161° 35.99'	38	4.0	234	12	323	47	0	35	0
5211	Sanak	8/17	54° 30.00'	-161° 52.00'	77	4.0	375	25	438	52	0	20	0
5212	Sanak	8/18	54° 30.53'	-162° 08.99'	77	4.0	222	14	198	25	0	85	0
5213	Sanak	8/18	54° 29.34'	-162° 26.00'	78	3.9	860	52	468	59	0	19	0
5214	Sanak	8/20	54° 30.55'	-163° 18.00'	43	4.0	375	23	419	59	0	50	0
5215	Sanak	8/20	54° 29.94'	-163° 35.00'	53	3.9	95	7	422	63	0	25	0
5216	Sanak	8/22	54° 30.50'	-163° 53.00'	46	4.0	394	24	351	52	0	30	0
5217	Sanak	8/21	54° 30.01'	-164° 11.07'	53	4.0	206	14	301	41	0	45	0
5218	Sanak	8/9	54° 39.40'	-160° 26.00'	57	4.0	533	33	306	40	0	20	0
5219	Sanak	8/12	54° 40.00'	-160° 43.03'	52	4.1	562	32	241	33	0	71	0
5220	Sanak	8/12	54° 40.00'	-161° 01.09'	50	4.0	355	17	263	36	0	45	0
5221	Sanak	8/11	54° 40.57'	-161° 18.00'	68	3.9	161	10	235	34	0	68	0
5222	Sanak	8/16	54° 39.99'	-161° 36.05'	31	4.0	180	7	383	60	0	15	0
5223	Sanak	8/16	54° 39.99'	-161° 51.96'	41	4.0	169	7	209	29	0	30	15
5224	Sanak	8/19	54° 40.00'	-162° 44.00'	47	4.0	53	4	152	25	0	10	0
5225	Sanak	8/12	54° 50.54'	-160° 43.51'	53	3.9	181	14	464	74	0	25	0
5226	Sanak	8/11	54° 50.61'	-161° 01.00'	53	4.0	508	26	350	52	0	45	0
5227	Sanak	8/11	54° 50.04'	-161° 18.00'	56	4.0	150	7	149	24	0	10	0
5228	Sanak	8/16	54° 49.99'	-161° 36.01'	44	4.0	156	8	160	25	0	80	0
5229	Sanak	8/19	54° 50.60'	-162° 45.00'	29	4.0	238	11	210	28	0	35	0
5230	Sanak	8/19	54° 49.99'	-163° 01.93'	41	4.0	829	54	555	73	0	35	0
5231	Sanak	8/15	55° 00.00'	-161° 02.20'	60	4.0	380	20	254	33	0	0	0
5232	Sanak	8/15	55° 00.00'	-161° 17.93'	55	4.0	202	10	282	42	0	0	5
5233	Sanak	8/15	55° 10.50'	-161° 01.44'	66	4.0	286	15	281	40	0	20	0
5234	Semidi	7/6	55° 20.00'	-156° 03.91'	156	4.0	208	13	0	0	104	0	10
5235	Semidi	7/6	55° 19.88'	-156° 21.01'	97	4.0	593	40	455	53	15	40	0
5236	Semidi	7/3	55° 30.01'	-155° 45.00'	121	4.0	76	5	123	16	0	40	10
5237	Semidi	7/3	55° 30.02'	-156° 04.15'	113	4.0	108	7	153	25	15	45	0
5238	Semidi	7/1	55° 30.64'	-156° 20.01'	122	4.0	130	7	43	6	89	0	0
5239	Semidi	7/5	55° 40.63'	-155° 25.99'	92	4.0	68	5	313	44	0	79	0
5240	Semidi	7/3	55° 39.31'	-155° 44.00'	75	4.0	271	21	303	41	0	158	0
5241	Semidi	7/3	55° 39.98'	-156° 02.02'	128	3.9	129	9	62	7	69	29	0
5242	Semidi	7/1	55° 40.11'	-156° 19.00'	142	4.0	220	14	63	8	20	15	0
5243	Semidi	7/1	55° 39.48'	-156° 36.98'	134	4.0	121	8	34	4	45	5	0
5244	Semidi	7/5	55° 50.00'	-155° 05.94'	68	4.0	570	38	642	88	0	30	0
5245	Semidi	7/5	55° 49.99'	-155° 26.07'	23	4.0	16	1	176	30	0	129	0
5246	Semidi	7/4	55° 49.85'	-156° 00.99'	58	3.9	973	69	775	97	0	49	0
5247	Semidi	6/30	55° 49.98'	-156° 20.29'	135	4.0	177	10	6	1	35	10	0
5248	Semidi	6/30	55° 49.99'	-156° 36.16'	126	4.0	141	8	72	9	25	10	0
5249	Semidi	7/14	55° 50.80'	-156° 53.98'	80	4.0	214	17	432	60	0	74	0
5250	Semidi	7/4	55° 59.98'	-155° 42.12'	25	3.9	73	3	196	35	0	39	0
5251	Semidi	7/4	56° 00.51'	-156° 00.02'	44	4.0	347	22	485	72	0	50	0
5252	Semidi	6/30	56° 00.01'	-156° 17.14'	117	4.0	170	9	41	5	35	30	0
5253	Semidi	6/30	56° 00.00'	-156° 33.39'	108	4.0	673	33	125	15	0	54	0
5254	Semidi	7/13	56° 00.06'	-157° 09.57'	61	4.0	110	8	300	44	0	153	0
5255	Semidi	6/9	56° 10.14'	-155° 58.98'	120	4.0	387	28	209	26	10	50	0
5256	Semidi	6/9	56° 09.39'	-156° 16.97'	124	4.0	321	17	67	8	69	45	0
5257	Semidi	6/29	56° 10.04'	-156° 36.26'	92	4.0	292	19	180	25	0	40	0
5258	Semidi	6/29	56° 10.57'	-156° 53.00'	46	4.0	104	5	145	21	0	114	0
5259	Semidi	7/13	56° 10.00'	-157° 11.98'	59	4.0	885	37	330	49	0	84	0
5260	Semidi	7/13	56° 09.73'	-157° 29.01'	87	4.0	993	62	363	47	0	40	0
5261	Semidi	6/9	56° 20.70'	-155° 57.99'	116	4.0	186	11	136	16	20	10	0
5262	Semidi	6/9	56° 20.53'	-156° 16.01'	156	4.0	72	5	37	5	40	20	0
5263	Semidi	6/29	56° 20.04'	-156° 34.86'	99	4.0	320	19	129	20	0	69	0
5264	Semidi	6/29	56° 20.05'	-156° 52.02'	63	4.0	405	25	371	50	0	50	0
5265	Semidi	7/11	56° 19.39'	-157° 10.05'	96	4.0	679	34	401	52	0	30	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).



## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
5266	Semidi	7/11	56° 20.98'	-157° 28.09'	34	4.0	1,169	43	376	59	0	0	5
5267	Semidi	7/12	56° 20.12'	-157° 46.03'	29	4.0	506	28	557	81	0	0	0
5268	Semidi	6/10	56° 29.43'	-155° 57.02'	133	4.0	248	17	119	15	15	5	0
5269	Semidi	6/19	56° 29.94'	-156° 15.00'	144	4.0	106	8	63	10	15	50	0
5270	Semidi	6/28	56° 30.00'	-156° 34.09'	105	4.0	721	36	284	35	0	40	0
5271	Semidi	6/28	56° 30.09'	-156° 51.00'	56	3.9	274	16	288	42	0	29	0
5272	Semidi	7/11	56° 29.98'	-157° 29.04'	88	4.0	392	24	272	35	0	95	0
5273	Semidi	6/19	56° 39.34'	-156° 14.02'	124	3.9	360	22	69	10	15	54	0
5274	Semidi	6/19	56° 39.99'	-156° 31.87'	85	3.9	483	27	331	41	0	39	0
5275	Semidi	6/28	56° 40.01'	-156° 52.15'	61	4.0	351	23	473	64	0	20	0
5276	Semidi	6/28	56° 40.00'	-157° 10.23'	82	4.0	370	20	136	17	0	69	0
5277	Semidi	6/20	56° 49.52'	-156° 12.97'	108	4.0	713	40	280	39	0	59	0
5278	Semidi	6/20	56° 49.99'	-156° 31.01'	69	4.0	390	17	135	19	0	78	0
5279	Semidi	6/20	56° 50.00'	-156° 50.01'	61	4.0	281	13	176	24	0	89	0
5280	Semidi	6/20	56° 59.65'	-156° 12.97'	89	4.0	215	13	181	28	0	104	0
6001	Unalaska	7/13	52° 30.11'	-169° 40.43'	131	4.0	470	31	275	35	7	40	0
6002	Unalaska	7/13	52° 30.04'	-169° 57.37'	130	4.0	769	36	165	24	0	20	0
6003	Unalaska	7/12	52° 30.04'	-170° 47.62'	83	3.9	798	32	411	59	0	0	0
6004	Unalaska	7/23	52° 39.76'	-169° 08.24'	62	4.0	652	26	236	34	0	124	0
6005	Unalaska	7/23	52° 39.92'	-169° 24.37'	86	4.0	222	12	183	24	0	149	0
6006	Unalaska	7/23	52° 40.02'	-169° 44.36'	34	3.9	462	25	200	27	0	88	0
6007	Unalaska	7/13	52° 39.99'	-169° 58.22'	165	3.9	573	32	83	12	10	44	0
6008	Unalaska	7/12	52° 40.44'	-170° 47.41'	47	3.9	89	5	202	39	0	34	0
6009	Unalaska	7/11	52° 43.16'	-171° 22.39'	85	3.9	587	26	214	27	0	0	0
6010	Unalaska	7/22	52° 51.78'	-168° 37.27'	48	4.0	627	29	212	28	0	114	0
6011	Unalaska	7/22	52° 49.96'	-168° 51.00'	35	4.0	874	22	126	17	0	114	0
6012	Unalaska	7/10	52° 49.99'	-170° 15.54'	83	3.9	651	42	222	25	0	118	0
6013	Unalaska	7/11	52° 49.95'	-171° 21.89'	98	4.0	429	21	224	37	0	0	0
6015	Unalaska	7/20	53° 00.10'	-167° 29.89'	93	4.0	0	0	37	8	0	10	0
6016	Unalaska	7/20	53° 00.04'	-167° 45.95'	53	4.0	205	14	328	52	0	89	0
6017	Unalaska	7/21	53° 00.08'	-168° 02.44'	65	3.9	37	3	77	13	0	39	0
6018	Unalaska	7/21	53° 00.08'	-168° 15.30'	48	4.0	209	12	155	23	0	124	0
6019	Unalaska	7/8	53° 00.05'	-169° 08.12'	70	3.9	625	30	189	28	0	93	0
6020	Unalaska	7/9	53° 00.06'	-169° 58.17'	63	3.9	174	8	86	19	0	5	0
6021	Unalaska	7/10	53° 00.01'	-170° 13.77'	101	3.9	628	29	81	9	0	98	0
6022	Unalaska	7/25	53° 10.05'	-166° 55.98'	117	4.0	0	0	44	8	15	54	0
6023	Unalaska	7/24	53° 09.94'	-167° 12.07'	60	4.0	123	8	146	22	0	149	0
6024	Unalaska	7/24	53° 10.01'	-167° 30.13'	48	4.0	266	12	118	16	0	134	0
6025	Unalaska	7/20	53° 10.07'	-167° 46.79'	42	4.1	286	9	40	6	0	81	0
6026	Unalaska	7/21	53° 09.97'	-168° 01.41'	36	3.9	121	6	81	15	0	78	0
6027	Unalaska	7/8	53° 10.12'	-168° 52.55'	127	4.0	426	25	157	19	0	79	0
6028	Unalaska	7/9	53° 10.03'	-169° 41.06'	202	3.9	0	0	0	0	0	34	0
6029	Unalaska	7/26	53° 20.19'	-166° 05.06'	256	4.0	0	0	0	0	20	0	5
6030	Unalaska	7/26	53° 20.00'	-166° 22.07'	134	4.0	30	2	20	3	49	0	5
6031	Unalaska	7/25	53° 20.03'	-166° 37.09'	76	4.0	11	1	99	20	0	135	0
6032	Unalaska	7/25	53° 19.98'	-166° 55.31'	49	4.0	340	22	255	37	0	69	0
6033	Unalaska	7/24	53° 19.98'	-167° 12.98'	40	4.0	113	6	103	23	0	60	0
6034	Unalaska	7/8	53° 20.12'	-168° 36.82'	45	4.0	193	10	111	14	0	109	0
6035	Unalaska	8/5	53° 30.00'	-165° 46.86'	130	4.0	0	0	21	3	74	0	0
6036	Unalaska	7/27	53° 30.09'	-166° 05.09'	72	4.0	12	1	97	19	0	84	0
6037	Unalaska	7/26	53° 30.02'	-166° 21.36'	62	4.0	0	0	142	28	0	79	0
6038	Unalaska	7/15	53° 30.07'	-167° 27.84'	45	4.0	102	6	165	26	0	54	0
6039	Unalaska	7/3	53° 40.14'	-164° 38.74'	180	4.0	24	1	0	0	50	0	25
6040	Unalaska	7/4	53° 40.35'	-164° 54.01'	174	4.0	19	1	5	1	50	0	5
6041	Unalaska	8/5	53° 39.93'	-165° 11.85'	194	3.9	0	0	0	0	39	0	5
6042	Unalaska	8/5	53° 40.06'	-165° 28.78'	101	4.0	50	3	96	15	54	15	0
6043	Unalaska	7/27	53° 40.06'	-165° 42.91'	67	4.0	50	3	316	52	0	35	0
6044	Unalaska	7/27	53° 39.96'	-166° 03.17'	46	4.0	164	7	220	36	0	109	0
6045	Unalaska	7/15	53° 39.98'	-167° 12.06'	38	4.0	376	18	175	26	0	54	0
6046	Unalaska	7/15	53° 39.89'	-167° 26.04'	66	4.0	656	43	488	60	0	109	0
6047	Unalaska	7/1	53° 50.00'	-163° 47.92'	48	4.0	484	35	443	60	0	60	5

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
6048	Unalaska	7/1	53° 50.01'	-164° 05.94'	42	4.0	523	38	428	50	0	74	10
6049	Unalaska	7/3	53° 49.93'	-164° 22.70'	48	4.0	144	9	185	28	0	45	0
6050	Unalaska	7/3	53° 49.94'	-164° 38.81'	54	4.0	122	9	442	66	0	40	0
6051	Unalaska	7/4	53° 49.95'	-164° 55.72'	62	4.0	0	0	128	23	0	25	0
6052	Unalaska	8/3	53° 49.91'	-165° 13.30'	55	4.0	143	10	526	85	0	124	0
6053	Unalaska	8/3	53° 50.05'	-165° 29.77'	52	3.9	129	9	268	47	0	69	0
6054	Unalaska	8/2	53° 49.91'	-165° 44.84'	40	4.0	57	3	194	35	0	60	0
6055	Unalaska	7/28	53° 49.61'	-166° 03.30'	40	4.0	244	15	465	84	0	10	0
6056	Unalaska	7/28	53° 50.01'	-166° 18.72'	131	4.0	85	3	138	19	0	163	0
6057	Unalaska	7/1	54° 00.03'	-164° 07.56'	41	4.0	225	15	470	66	0	40	0
6058	Unalaska	7/2	53° 59.98'	-164° 21.76'	55	4.0	51	4	195	32	0	30	0
6059	Unalaska	8/4	54° 00.05'	-164° 40.15'	53	4.0	272	21	602	93	0	10	0
6060	Unalaska	8/4	53° 59.98'	-164° 56.19'	44	4.0	38	3	213	41	0	115	0
6061	Unalaska	8/3	53° 59.81'	-165° 13.07'	42	4.0	690	34	269	42	0	69	0
6062	Unalaska	8/2	53° 59.99'	-165° 28.00'	40	3.9	293	15	232	41	0	25	0
6063	Unalaska	8/2	53° 59.92'	-165° 47.26'	40	4.0	304	14	293	47	0	40	0
6064	Unalaska	7/2	54° 09.91'	-164° 07.00'	37	4.0	92	6	156	21	0	10	0
6065	Unalaska	7/2	54° 10.00'	-164° 23.62'	48	4.0	14	1	195	37	0	25	0
6066	Unalaska	8/4	54° 07.15'	-164° 42.15'	43	4.0	31	2	214	43	0	115	0
7001	4A Edge	6/2	54° 29.98'	-165° 43.99'	206	4.0	58	4	497	69	0	10	0
7002	4A Edge	6/8	54° 30.03'	-166° 19.00'	271	4.0	144	9	19	2	25	0	25
7003	4A Edge	6/8	54° 30.61'	-166° 34.00'	261	4.0	456	24	53	6	15	0	5
7004	4A Edge	6/7	54° 30.00'	-166° 53.05'	262	4.0	274	15	0	0	15	0	5
7006	4A Edge	6/1	54° 40.01'	-165° 26.98'	119	4.0	0	0	144	23	0	50	0
7007	4A Edge	6/2	54° 40.01'	-165° 43.00'	182	4.0	46	4	259	37	0	90	0
7008	4A Edge	6/2	54° 40.01'	-166° 02.02'	179	4.0	108	9	486	71	0	20	0
7009	4A Edge	5/31	54° 39.49'	-166° 18.02'	175	4.0	295	20	174	20	0	10	0
7010	4A Edge	6/8	54° 40.01'	-166° 34.02'	184	4.0	728	48	369	45	0	0	0
7011	4A Edge	6/7	54° 40.01'	-166° 52.05'	207	4.0	1,600	84	114	13	0	0	0
7012	4A Edge	6/7	54° 39.43'	-167° 10.02'	249	4.0	230	13	33	4	5	0	10
7013	4A Edge	6/1	54° 49.99'	-165° 24.03'	82	4.0	55	4	165	26	0	4	0
7014	4A Edge	6/1	54° 50.00'	-165° 43.11'	85	4.0	66	4	117	16	0	75	0
7015	4A Edge	5/31	54° 50.70'	-166° 00.09'	83	4.0	113	5	47	6	0	15	0
7016	4A Edge	5/31	54° 49.98'	-166° 18.00'	91	4.0	326	15	83	10	0	45	0
7017	4A Edge	6/3	54° 50.00'	-166° 35.90'	111	4.1	496	25	117	16	0	66	0
7018	4A Edge	6/3	54° 50.01'	-166° 52.99'	146	3.9	697	30	163	19	0	49	0
7019	4A Edge	6/6	54° 50.11'	-167° 10.00'	193	4.0	867	51	184	20	0	0	0
7021	4A Edge	6/3	55° 00.01'	-166° 35.01'	81	4.0	211	11	52	7	0	73	0
7022	4A Edge	6/4	55° 00.65'	-166° 52.01'	84	4.0	238	14	24	3	0	35	0
7023	4A Edge	6/6	54° 59.45'	-167° 09.00'	99	3.9	348	18	128	18	0	20	0
7024	4A Edge	6/5	55° 00.09'	-167° 27.01'	161	4.0	657	36	140	16	0	69	0
7025	4A Edge	6/4	55° 09.39'	-166° 34.00'	78	4.0	177	10	55	8	0	54	0
7026	4A Edge	6/4	55° 09.45'	-166° 51.00'	80	4.1	184	11	63	8	0	25	0
7027	4A Edge	6/5	55° 09.99'	-167° 07.99'	82	4.0	704	36	141	19	0	0	0
7028	4A Edge	6/5	55° 10.02'	-167° 26.07'	89	4.0	138	9	70	9	0	15	0
7029	4A Edge	7/31	55° 09.69'	-167° 44.48'	174	4.0	521	35	76	8	0	20	0
7030	4A Edge	7/30	55° 20.03'	-167° 44.08'	90	4.0	164	9	41	5	0	15	0
7031	4A Edge	7/30	55° 19.99'	-168° 01.92'	213	4.0	109	7	50	5	0	5	5
7032	4A Edge	7/30	55° 30.04'	-167° 59.56'	78	4.0	93	3	10	1	0	25	0
7033	4A Edge	7/29	55° 30.05'	-168° 18.89'	137	4.0	78	2	6	1	0	5	0
7034	4A Edge	7/29	55° 40.03'	-168° 37.37'	79	4.0	0	0	38	6	0	0	0
7035	4A Edge	7/28	55° 50.47'	-168° 36.77'	78	4.0	384	21	66	9	0	40	0
7036	4A Edge	7/28	55° 49.43'	-168° 51.93'	220	4.0	105	7	43	5	5	0	0
7037	4A Edge	7/27	55° 59.82'	-168° 19.50'	86	4.0	91	5	36	5	0	25	0
7038	4A Edge	7/27	55° 59.73'	-168° 37.38'	134	4.1	93	4	0	0	0	35	0
7039	4A Edge	6/29	56° 00.00'	-169° 49.20'	144	4.1	22	1	0	0	0	5	5
7040	4A Edge	6/29	55° 59.98'	-170° 06.01'	99	4.0	23	1	19	3	0	10	0
7041	4A Edge	7/26	56° 09.96'	-167° 59.90'	78	4.0	139	8	85	11	0	45	0
7042	4A Edge	7/25	56° 09.82'	-168° 20.02'	92	4.0	65	3	14	2	0	5	0
7043	4A Edge	7/25	56° 10.15'	-168° 36.52'	168	4.0	73	5	11	1	0	35	0
7044	4A Edge	7/25	56° 10.03'	-168° 55.33'	142	4.0	153	10	0	0	0	25	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

## 2012 IPHC Stock Assessment Survey All Regions

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Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
7045	4A Edge	7/24	56° 09.67'	-169° 31.56'	272	4.0	87	3	0	0	0	0	0
7046	4A Edge	6/30	56° 09.37'	-170° 42.02'	116	4.0	494	20	33	4	10	15	20
7047	4A Edge	7/26	56° 20.03'	-168° 01.20'	77	4.0	0	0	0	0	0	45	0
7048	4A Edge	7/26	56° 19.97'	-168° 17.88'	85	4.1	0	0	28	4	0	20	0
7049	4A Edge	7/24	56° 20.13'	-169° 12.19'	73	4.0	42	3	74	8	0	0	0
6067	Adak	8/19	51° 10.70'	-179° 00.30'	173	3.9	220	6	0	0	59	0	10
6069	Adak	8/21	51° 29.97'	-176° 54.12'	202	4.0	91	5	0	0	25	5	40
6070	Adak	8/20	51° 30.18'	-178° 28.45'	92	4.0	282	11	120	19	0	0	0
6071	Adak	8/19	51° 29.76'	-178° 44.07'	175	4.0	574	18	0	0	30	0	15
6072	Adak	8/22	51° 40.01'	-175° 49.27'	250	4.0	0	0	0	0	5	0	0
6073	Adak	8/22	51° 39.95'	-176° 05.06'	152	4.0	302	16	16	2	0	5	0
6074	Adak	8/22	51° 39.94'	-176° 19.69'	83	4.1	176	6	71	11	0	5	0
6075	Adak	8/21	51° 39.89'	-177° 13.29'	49	4.1	268	17	131	20	0	51	0
6076	Adak	8/21	51° 39.80'	-177° 25.52'	72	4.1	252	11	20	2	0	20	0
6077	Adak	8/20	51° 38.77'	-178° 13.29'	42	4.0	613	34	282	38	0	109	0
6078	Adak	8/20	51° 39.94'	-178° 28.83'	239	4.1	551	18	27	3	25	0	0
6079	Adak	9/7	51° 50.04'	-174° 28.85'	115	4.0	272	17	25	3	5	0	0
6080	Adak	9/6	51° 49.97'	-174° 43.01'	118	4.0	251	15	34	4	0	0	0
6081	Adak	9/6	51° 49.56'	-174° 59.59'	122	4.1	692	27	26	3	0	0	0
6082	Adak	9/2	51° 50.59'	-175° 16.81'	106	3.9	555	25	50	7	0	5	0
6083	Adak	9/2	51° 50.12'	-175° 32.56'	91	4.1	249	11	111	14	0	0	0
6084	Adak	9/2	51° 50.39'	-175° 48.83'	66	4.0	79	6	269	38	0	0	0
6085	Adak	8/30	52° 00.11'	-173° 18.96'	40	4.0	0	0	11	2	0	0	10
6086	Adak	8/30	52° 00.00'	-173° 38.02'	44	3.9	71	4	42	6	0	5	0
6087	Adak	8/30	52° 00.09'	-173° 54.31'	44	4.0	125	5	93	14	0	0	0
6088	Adak	9/7	52° 00.05'	-174° 10.62'	53	4.0	0	0	350	55	0	5	0
6089	Adak	9/7	51° 59.81'	-174° 27.25'	41	4.0	126	8	47	6	0	5	0
6090	Adak	9/6	51° 59.94'	-174° 57.67'	43	4.0	51	4	56	10	0	0	0
6091	Adak	8/24	51° 59.91'	-176° 20.73'	94	4.0	289	16	34	4	0	5	0
6092	Adak	8/9	52° 00.07'	179° 27.09'	47	3.9	0	0	0	0	0	0	0
6093	Adak	8/28	52° 10.21'	-172° 50.13'	75	4.0	78	6	119	18	0	0	0
6094	Adak	8/28	52° 10.00'	-173° 05.16'	46	4.0	447	26	357	51	0	5	0
6095	Adak	8/28	52° 09.71'	-173° 20.11'	48	4.0	615	31	287	38	0	5	0
6096	Adak	8/27	52° 10.02'	-173° 54.28'	46	4.0	143	8	230	37	0	0	0
6097	Adak	8/26	52° 10.18'	-174° 42.95'	62	4.0	149	7	60	10	0	0	0
6098	Adak	8/26	52° 09.32'	-174° 58.96'	53	3.9	57	4	32	4	0	0	0
6099	Adak	8/26	52° 09.20'	-175° 15.25'	113	4.0	272	9	0	0	0	5	0
6100	Adak	8/24	52° 09.81'	-175° 46.35'	174	4.1	396	19	0	0	5	20	10
6101	Adak	8/9	52° 09.88'	179° 27.88'	156	4.0	116	4	0	0	0	0	5
6102	Adak	8/10	52° 10.53'	-179° 41.96'	156	4.0	550	11	0	0	0	0	0
6103	Adak	8/9	52° 09.98'	179° 43.91'	52	4.1	95	3	0	0	0	0	0
6104	Adak	8/10	52° 10.67'	-179° 57.89'	42	3.9	0	0	0	0	0	0	0
6105	Adak	8/27	52° 20.94'	-173° 52.95'	60	3.9	94	7	97	16	0	0	0
6106	Adak	8/10	52° 21.02'	-179° 41.24'	137	4.1	34	1	0	0	0	0	0
6107	Adak	8/11	52° 19.37'	179° 44.77'	72	4.0	336	12	8	1	0	0	0
6108	Adak	8/11	52° 20.02'	-179° 56.76'	62	3.9	36	1	0	0	0	0	0
6109	Adak	8/27	52° 28.62'	-173° 36.91'	155	4.0	127	5	0	0	40	0	0
6110	Adak	8/12	52° 29.62'	-179° 41.21'	55	3.9	0	0	0	0	0	0	0
6111	Adak	8/11	52° 29.13'	179° 45.98'	206	4.1	0	0	0	0	0	0	5
6112	Adak	8/12	52° 40.40'	-179° 24.73'	69	4.1	0	0	0	0	0	0	0
6113	Attu	8/6	51° 20.34'	179° 06.47'	50	4.5	83	5	24	3	0	78	0
6114	Attu	8/6	51° 30.34'	178° 35.49'	116	4.0	0	0	0	0	0	0	15
6115	Attu	8/6	51° 23.00'	178° 54.50'	56	3.9	163	8	4	1	0	34	5
6116	Attu	8/1	51° 39.81'	175° 38.83'	88	4.1	0	0	0	0	0	0	0
6117	Attu	8/5	51° 40.14'	178° 04.30'	152	4.1	145	3	0	0	0	0	25
6118	Attu	8/5	51° 40.03'	178° 21.90'	68	4.0	505	28	21	2	0	15	0
6119	Attu	8/1	51° 48.95'	175° 39.05'	53	4.0	120	3	0	0	0	0	0
6120	Attu	8/2	51° 50.14'	175° 55.67'	65	4.1	0	0	0	0	0	0	0
6121	Attu	8/4	51° 50.01'	177° 33.51'	53	4.0	116	5	0	0	0	20	15
6122	Attu	8/4	51° 50.12'	177° 49.18'	59	4.0	328	17	9	1	0	30	10
6123	Attu	8/7	51° 49.53'	178° 22.00'	123	4.0	563	11	0	0	0	5	10

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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
6124	Attu	8/2	52° 00.32'	175° 55.95'	54	4.0	120	3	0	0	0	0	10
6125	Attu	8/3	51° 59.67'	176° 44.34'	50	4.0	137	7	11	1	0	45	0
6126	Attu	8/3	51° 59.63'	177° 14.31'	54	4.0	125	4	11	1	0	120	0
6127	Attu	8/4	52° 00.48'	177° 49.68'	62	4.0	160	6	5	1	0	10	0
6128	Attu	8/7	52° 00.67'	178° 21.88'	60	4.0	0	0	10	1	0	0	0
6129	Attu	7/18	52° 09.91'	173° 46.18'	80	4.1	0	0	0	0	0	0	0
6130	Attu	7/23	52° 10.21'	175° 06.89'	94	4.0	0	0	0	0	0	0	0
6131	Attu	7/23	52° 10.46'	175° 21.84'	182	4.1	200	6	0	0	0	0	45
6132	Attu	7/18	52° 19.01'	173° 29.13'	44	4.1	413	17	37	4	0	20	0
6133	Attu	7/18	52° 17.10'	173° 45.46'	40	4.0	445	15	7	1	0	30	0
6134	Attu	7/19	52° 19.97'	174° 02.00'	76	4.0	0	0	0	0	0	5	0
6135	Attu	7/19	52° 19.97'	174° 17.14'	90	4.0	152	5	0	0	0	20	0
6137	Attu	7/17	52° 29.24'	172° 56.51'	149	4.0	58	3	9	1	0	0	10
6138	Attu	7/17	52° 30.82'	173° 12.03'	58	4.0	714	23	66	8	0	15	0
6139	Attu	7/20	52° 30.01'	173° 28.09'	85	4.5	53	2	0	0	0	6	0
6140	Attu	7/19	52° 29.95'	174° 02.54'	70	4.0	260	7	9	1	0	5	0
6141	Attu	7/22	52° 29.74'	174° 17.87'	62	4.0	0	0	0	0	0	5	0
6142	Attu	7/22	52° 29.79'	174° 34.42'	189	4.0	142	3	0	0	0	0	0
6143	Attu	7/22	52° 31.47'	174° 52.81'	196	4.0	538	16	0	0	5	0	15
6144	Attu	7/16	52° 40.60'	172° 54.62'	64	4.0	446	16	28	3	0	15	0
6145	Attu	7/17	52° 39.75'	173° 11.94'	55	4.1	27	1	0	0	0	5	0
6146	Attu	7/20	52° 40.05'	173° 27.95'	54	4.0	228	6	0	0	0	0	0
6147	Attu	7/21	52° 40.67'	173° 44.37'	55	4.1	21	1	28	3	0	0	0
6148	Attu	7/21	52° 39.53'	174° 00.20'	44	4.0	0	0	9	1	0	0	0
6149	Attu	7/21	52° 39.96'	174° 18.60'	25	4.0	393	21	19	2	0	35	0
6150	Attu	7/15	52° 50.99'	172° 05.56'	103	4.0	0	0	18	2	0	40	5
6151	Attu	7/16	52° 49.73'	172° 22.32'	172	4.0	128	7	0	0	0	0	10
6152	Attu	7/16	52° 49.94'	172° 37.88'	55	4.0	728	22	19	2	0	40	0
6153	Attu	7/20	52° 50.27'	173° 45.05'	67	4.0	24	1	9	1	0	15	0
6154	Attu	7/14	53° 00.32'	170° 58.11'	273	4.0	0	0	0	0	0	0	0
6155	Attu	7/15	53° 00.03'	172° 21.89'	114	4.0	76	4	0	0	0	0	5
6156	Attu	7/14	53° 09.85'	170° 57.40'	64	3.9	0	0	0	0	0	0	0
6157	Attu	7/14	53° 20.13'	170° 39.63'	206	4.0	0	0	0	0	0	0	10
9501	4A Edge	7/23	56° 20.02'	-169° 29.00'	80	4.0	104	6	52	7	0	15	0
9502	4A Edge	7/22	56° 24.98'	-169° 21.40'	62	4.0	186	10	56	8	0	54	0
9503	4A Edge	7/23	56° 24.99'	-169° 38.25'	53	4.0	123	6	11	1	0	100	0
9504	4A Edge	7/22	56° 30.04'	-169° 14.30'	52	4.0	90	6	33	5	0	65	0
9505	4A Edge	7/22	56° 29.92'	-169° 29.01'	45	4.0	20	1	0	0	0	74	0
9506	4A Edge	7/23	56° 29.99'	-169° 50.11'	48	4.0	60	2	21	3	0	15	0
9507	4A Edge	7/22	56° 34.96'	-169° 20.84'	30	4.0	153	5	25	3	0	89	0
9508	4A Edge	7/21	56° 40.01'	-169° 12.14'	37	4.0	0	0	8	1	0	85	0
9509	4A Edge	7/21	56° 39.97'	-169° 30.11'	43	4.1	105	4	10	2	0	60	0
9510	4A Edge	7/21	56° 39.99'	-169° 46.94'	41	4.0	62	2	14	2	0	69	0
9511	4D Edge	7/20	56° 59.95'	-170° 08.94'	37	4.1	0	0	6	1	0	66	0
9512	4D Edge	7/20	56° 59.96'	-170° 27.86'	42	3.9	215	8	48	7	0	44	0
9513	4D Edge	7/3	57° 05.01'	-170° 01.93'	33	4.0	0	0	49	10	0	54	0
9514	4D Edge	7/1	57° 05.00'	-170° 36.90'	40	4.0	96	4	53	8	0	79	0
9515	4D Edge	7/1	57° 09.99'	-170° 27.59'	26	4.0	169	5	65	10	0	70	0
9516	4D Edge	7/2	57° 15.00'	-170° 20.07'	12	4.0	474	11	39	5	0	35	0
9517	4D Edge	7/1	57° 15.62'	-170° 40.02'	40	4.0	292	16	70	11	0	130	0
9518	4D Edge	7/3	57° 20.00'	-169° 56.06'	33	4.0	122	7	125	20	0	150	0
9519	4D Edge	7/2	57° 20.66'	-170° 13.00'	30	4.0	550	21	105	14	0	103	0
9520	4D Edge	7/2	57° 20.01'	-170° 29.95'	36	4.0	127	7	79	13	0	54	0
7050	4D Edge	6/30	56° 20.02'	-171° 19.00'	79	4.1	22	1	15	2	0	30	0
7051	4D Edge	6/23	56° 29.47'	-171° 37.00'	90	3.9	34	2	26	4	0	29	0
7052	4D Edge	6/23	56° 30.04'	-171° 55.00'	163	4.0	143	9	0	0	0	20	5
7053	4D Edge	6/22	56° 39.45'	-173° 07.00'	101	4.1	73	5	25	3	0	20	0
7054	4D Edge	6/22	56° 50.00'	-173° 25.08'	229	4.0	298	16	23	3	0	0	0
7055	4D Edge	6/22	57° 00.02'	-173° 26.24'	127	4.0	295	13	69	9	0	30	30
7056	4D Edge	6/21	57° 00.00'	-173° 41.91'	249	4.0	244	10	0	0	0	0	0
7057	4D Edge	6/21	57° 10.01'	-173° 44.16'	84	4.0	163	9	92	13	0	54	0

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).

**2012 IPHC Stock Assessment Survey  
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (fm)	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	
7058	4D Edge	6/21	57° 20.00'	-173° 42.99'	75	4.0	11	1	12	2	0	60	0	
7059	4D Edge	6/20	57° 40.00'	-173° 43.02'	74	4.1	80	4	66	14	0	40	0	
7060	4D Edge	6/20	57° 50.00'	-173° 41.91'	81	4.0	137	10	74	10	0	50	0	
7061	4D Edge	6/19	58° 20.01'	-174° 21.19'	147	4.0	250	14	161	22	0	40	0	
7062	4D Edge	6/17	58° 20.00'	-175° 17.04'	190	4.0	707	40	72	8	0	0	0	
7063	4D Edge	6/19	58° 29.39'	-174° 20.00'	79	4.0	51	3	26	5	0	50	0	
7064	4D Edge	6/17	58° 30.01'	-175° 16.87'	110	4.0	250	12	188	24	0	60	0	
7065	4D Edge	6/17	58° 29.44'	-175° 37.01'	104	4.0	60	3	51	7	0	40	0	
7067	4D Edge	6/19	58° 40.64'	-174° 19.99'	89	4.1	25	1	0	0	0	0	0	
7068	4D Edge	6/18	58° 40.00'	-174° 37.67'	114	4.0	117	6	43	7	0	10	0	
7069	4D Edge	6/18	58° 40.00'	-174° 57.90'	122	4.0	230	11	81	10	0	25	0	
7070	4D Edge	6/18	58° 40.00'	-175° 18.02'	127	4.0	104	8	103	14	0	20	0	
7071	4D Edge	6/16	58° 39.99'	-175° 57.06'	77	4.0	0	0	30	5	0	50	0	
7072	4D Edge	6/16	58° 40.00'	-176° 16.08'	78	4.0	0	0	0	0	0	100	0	
7073	4D Edge	6/14	58° 39.45'	-177° 13.03'	74	4.0	68	4	44	6	0	198	0	
7074	4D Edge	6/14	58° 50.00'	-177° 34.09'	76	4.0	15	1	29	6	0	80	0	
7075	4D Edge	6/14	58° 49.36'	-177° 53.01'	222	4.0	401	20	0	0	0	0	10	
7076	4D Edge	6/15	59° 00.00'	-177° 52.94'	75	4.2	61	3	89	13	0	79	0	
7077	4D Edge	6/15	58° 59.47'	-178° 13.01'	135	4.1	1,124	32	19	3	0	25	0	
7078	4D Edge	7/16	59° 10.00'	-176° 57.21'	80	4.0	100	5	84	12	0	41	0	
7079	4D Edge	7/16	59° 09.98'	-177° 16.08'	83	4.0	27	1	58	10	0	50	0	
7080	4D Edge	7/15	59° 09.97'	-177° 36.33'	92	4.0	21	1	49	9	0	75	0	
7081	4D Edge	6/15	59° 09.98'	-177° 55.00'	102	4.0	14	1	32	7	0	109	0	
7082	4D Edge	6/15	59° 10.53'	-178° 13.99'	77	4.0	0	0	18	3	0	83	0	
7083	4D Edge	7/16	59° 20.02'	-176° 55.56'	80	4.0	153	7	54	9	0	41	0	
7084	4D Edge	7/15	59° 19.98'	-177° 17.84'	88	4.0	45	2	23	4	0	40	0	
7085	4D Edge	7/15	59° 19.98'	-177° 36.13'	146	4.0	34	2	45	7	0	10	0	
7086	4D Edge	7/10	59° 29.74'	-176° 35.72'	77	4.1	0	0	8	1	0	15	0	
7087	4D Edge	7/10	59° 29.99'	-176° 59.29'	83	4.0	0	0	29	4	0	40	0	
7088	4D Edge	7/11	59° 30.02'	-177° 17.04'	84	4.1	26	2	70	11	0	35	0	
7089	4D Edge	7/14	59° 30.09'	-177° 35.95'	121	4.1	88	5	48	8	0	10	0	
7090	4D Edge	7/14	59° 29.99'	-177° 58.32'	214	4.0	603	25	46	7	0	0	5	
7091	4D Edge	7/14	59° 30.02'	-178° 17.20'	144	4.0	288	17	148	17	0	5	0	
7092	4D Edge	7/11	59° 39.98'	-177° 00.14'	86	4.0	48	2	6	1	0	10	0	
7093	4D Edge	7/11	59° 39.98'	-177° 18.95'	112	4.0	61	4	59	10	0	25	0	
7094	4D Edge	7/12	59° 40.02'	-177° 38.92'	126	4.0	366	8	53	6	0	10	0	
7095	4D Edge	7/12	59° 39.94'	-177° 59.34'	90	4.0	72	4	30	4	0	30	0	
7096	4D Edge	7/13	59° 40.02'	-178° 18.22'	91	4.0	142	8	61	8	0	35	0	
7097	4D Edge	7/12	59° 49.84'	-177° 57.90'	79	4.0	50	2	40	5	0	54	0	
7098	4D Edge	7/13	59° 50.00'	-178° 20.36'	80	4.0	0	0	0	0	0	25	0	
7099	4D Edge	7/13	59° 50.03'	-178° 37.84'	82	4.0	11	1	45	7	0	40	0	
9521	4D Edge	7/7	60° 10.03'	-172° 21.62'	31	4.0	0	0	0	0	0	0	0	
9522	4D Edge	7/7	60° 09.99'	-172° 40.87'	30	4.0	0	0	0	0	0	5	0	
9523	4D Edge	7/7	60° 19.99'	-172° 04.40'	31	4.0	0	0	0	0	0	0	0	
9524	4D Edge	7/9	60° 19.98'	-172° 46.34'	10	4.0	0	0	0	0	0	0	0	
9525	4D Edge	7/9	60° 20.01'	-173° 03.83'	27	4.1	0	0	0	0	0	0	0	
9526	4D Edge	7/8	60° 30.03'	-172° 27.50'	28	3.9	0	0	0	0	0	0	0	
9527	4D Edge	7/8	60° 30.04'	-172° 43.82'	19	4.0	51	1	0	0	0	0	0	
9528	4D Edge	7/9	60° 29.23'	-173° 07.02'	12	4.0	0	0	0	0	0	0	0	
9530	4D Edge	7/8	60° 40.02'	-172° 45.85'	23	4.1	0	0	4	1	0	0	0	
<b>1270 Total Effective Stations</b>							<b>Totals</b>	<b>497,954</b>	<b>24,901</b>	<b>223,271</b>	<b>30,102</b>	<b>9,606</b>	<b>27,821</b>	<b>5,577</b>

<sup>1</sup> Skate =1,800' groundline, 16/0 circle hooks at 18' spacing, 24"-42" gangions.

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample, except 2B (100%).