

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
1001	Oregon	8/27	42° 00.02'	-124° 27.00'	52	6.0	0	0	0	0	0	0	0
1002	Oregon	8/28	42° 10.16'	-124° 27.00'	52	6.1	0	0	0	0	0	0	0
1003	Oregon	9/3	42° 20.09'	-124° 41.02'	153	6.0	0	0	0	0	0	0	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0
1038	Oregon	8/10	44° 59.98'	-124° 25.01'	148	5.9	353	17	37	4	64	0	0
1039	Oregon	8/3	45° 00.14'	-124° 39.00'	252	5.9	15	1	0	0	15	0	0
1040	Oregon	8/2	45° 10.11'	-124° 11.00'	72	5.9	50	3	36	4	5	0	0
1041	Oregon	8/2	45° 10.10'	-124° 25.00'	203	5.9	0	0	0	0	44	0	0
1042	Oregon	7/30	45° 20.04'	-124° 11.00'	73	6.0	28	1	0	0	0	0	0
1043	Washington	7/31	45° 19.95'	-124° 24.98'	197	3.1	0	0	0	0	23	0	0
1044	Washington	7/31	45° 20.00'	-124° 39.00'	252	5.9	0	0	0	0	64	0	0
1045	Washington	7/30	45° 30.05'	-124° 11.00'	67	5.9	39	2	10	1	0	0	0
1046	Washington	7/29	45° 30.00'	-124° 25.00'	112	5.9	208	13	44	5	10	0	0
1047	Washington	7/31	45° 29.97'	-124° 39.00'	256	5.9	0	0	0	0	103	0	0
1048	Washington	7/29	45° 39.99'	-124° 10.00'	57	5.9	87	5	0	0	0	0	0
1049	Washington	7/29	45° 40.02'	-124° 25.00'	91	5.9	0	0	10	1	0	0	0
1050	Washington	7/26	45° 40.10'	-124° 39.00'	181	5.6	0	0	0	0	56	0	0
1051	Washington	7/27	45° 50.02'	-124° 10.00'	53	6.0	115	6	22	3	0	0	0
1052	Washington	7/26	45° 50.00'	-124° 24.99'	83	5.8	0	0	0	0	29	0	0
1053	Washington	7/26	45° 49.98'	-124° 39.00'	111	5.9	0	0	9	1	39	0	0
1054	Washington	7/27	46° 00.02'	-124° 10.00'	47	5.8	121	7	36	4	0	0	0
1055	Washington	7/27	45° 59.99'	-124° 24.01'	76	5.9	0	0	0	0	10	0	0
1056	Washington	7/25	46° 00.09'	-124° 39.00'	103	5.9	158	8	0	0	34	0	0
1057	Washington	7/25	46° 09.85'	-124° 39.00'	130	5.9	46	3	0	0	64	0	0
1058	Washington	7/21	46° 19.95'	-124° 24.00'	65	5.9	15	1	11	1	5	0	0
1059	Washington	7/20	46° 29.66'	-124° 23.99'	52	6.0	59	4	40	6	0	0	0
1060	Washington	7/20	46° 39.89'	-124° 24.09'	46	6.0	31	2	17	2	0	0	0
1061	Washington	7/18	46° 39.98'	-124° 37.99'	74	6.0	337	18	44	5	5	0	0
1062	Washington	7/14	46° 50.09'	-124° 23.98'	38	6.0	0	0	0	0	0	0	0
1063	Washington	7/18	46° 49.98'	-124° 38.03'	65	5.9	84	5	70	8	15	0	0
1064	Washington	7/18	46° 49.94'	-124° 53.04'	112	6.0	497	27	200	24	54	0	5
1065	Washington	7/14	47° 00.00'	-124° 24.00'	29	5.9	204	10	6	1	0	0	0
1066	Washington	7/12	46° 59.92'	-124° 38.00'	52	6.0	57	4	44	5	0	0	0
1067	Washington	6/9	47° 00.61'	-124° 53.01'	92	6.0	99	6	0	0	5	0	5
1068	Washington	7/12	47° 10.12'	-124° 24.02'	24	5.8	82	3	0	0	0	0	0

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

² Weights calculated from length-weight tables.

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

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All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
1069	Washington	7/12	47° 09.91'	-124° 38.05'	48	5.8	27	1	14	2	0	0	0
1070	Washington	6/9	47° 09.94'	-124° 52.97'	83	6.0	224	14	135	15	0	0	0
1071	Washington	6/10	47° 20.02'	-124° 37.87'	47	6.0	31	2	21	3	0	0	0
1072	Washington	7/10	47° 29.93'	-124° 50.38'	75	6.0	356	19	77	9	10	0	5
1073	Washington	7/10	47° 39.90'	-124° 38.00'	26	5.9	391	17	37	4	0	0	0
1074	Washington	7/10	47° 39.84'	-124° 52.98'	62	6.1	153	9	0	0	0	0	0
1075	Washington	6/13	47° 49.45'	-124° 52.90'	53	6.0	247	16	140	19	0	0	0
1076	Washington	7/9	47° 49.83'	-125° 08.00'	166	6.0	0	0	0	0	25	0	15
1077	Washington	6/13	47° 59.67'	-124° 52.83'	37	6.0	337	17	116	13	0	0	0
1078	Washington	7/9	48° 00.03'	-125° 08.00'	79	6.1	0	0	10	1	0	0	0
1079	Washington	6/22	48° 00.01'	-125° 37.98'	177	6.0	436	20	10	1	40	0	25
1080	Washington	6/20	48° 10.46'	-124° 53.00'	32	6.0	271	17	106	13	0	0	0
1081	Washington	6/21	48° 09.74'	-125° 07.95'	78	5.9	247	11	0	0	0	0	0
1082	Washington	6/21	48° 09.96'	-125° 22.96'	61	6.0	442	24	145	17	0	0	5
1083	Washington	6/23	48° 09.93'	-125° 37.99'	94	6.0	842	47	69	8	30	0	10
1084	Washington	6/23	48° 19.93'	-125° 23.00'	67	5.9	170	8	8	1	0	0	5
1101	Oregon	9/4	43° 19.98'	-124° 26.01'	29	6.0	89	3	8	1	0	0	0
1102	Oregon	9/5	43° 49.84'	-124° 12.00'	20	6.0	114	5	11	1	0	0	0
1103	Oregon	8/18	43° 59.89'	-124° 11.99'	28	6.0	169	6	0	0	0	0	0
1104	Oregon	8/7	44° 29.98'	-124° 26.01'	38	6.0	1,282	52	57	7	0	0	10
1105	Oregon	8/8	44° 30.05'	-124° 54.00'	239	5.9	0	0	0	0	108	0	15
1107	Washington	7/21	46° 09.99'	-124° 10.00'	32	6.0	88	4	21	2	0	0	0
1108	Washington	7/25	46° 09.86'	-124° 24.00'	67	5.8	60	4	27	3	0	0	0
1115	Washington	6/10	47° 29.91'	-124° 38.03'	37	6.0	145	9	41	5	0	0	0
1116	Puget Sound	7/1	47° 19.99'	-122° 28.16'	34	6.0	0	0	0	0	0	0	0
1118	Puget Sound	6/30	47° 50.20'	-122° 25.06'	91	5.9	0	0	0	0	0	0	0
1119	Puget Sound	6/30	47° 51.03'	-122° 38.88'	28	4.9	0	0	0	0	0	0	0
1121	Puget Sound	6/28	48° 09.84'	-122° 55.01'	15	6.0	24	1	0	0	0	0	0
1122	Puget Sound	6/18	48° 11.48'	-123° 21.94'	62	6.1	210	6	11	1	0	0	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0
1038	Oregon	8/10	44° 59.98'	-124° 25.01'	148	5.9	353	17	37	4	64	0	0
1039	Oregon	8/3	45° 00.14'	-124° 39.00'	252	5.9	15	1	0	0	15	0	0
1040	Oregon	8/2	45° 10.11'	-124° 11.00'	72	5.9	50	3	36	4	5	0	0
1041	Oregon	8/2	45° 10.10'	-124° 25.00'	203	5.9	0	0	0	0	44	0	0
1042	Oregon	7/30	45° 20.04'	-124° 11.00'	73	6.0	28	1	0	0	0	0	0

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

² Weights calculated from length-weight tables.

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

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All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
2003	Vancouver	5/30	48° 30.01'	-125° 23.34'	78	6.0	0	0	8	1	1	0	0
2004	Vancouver	5/31	48° 28.50'	-125° 37.81'	51	6.0	0	0	0	0	0	0	0
2005	Vancouver	5/31	48° 30.00'	-125° 53.03'	57	6.0	12	1	0	0	0	0	2
2006	Vancouver	6/1	48° 30.00'	-126° 07.75'	110	6.0	374	22	41	5	92	3	7
2007	Vancouver	5/30	48° 40.00'	-125° 06.97'	32	6.0	391	20	9	1	0	0	19
2008	Vancouver	5/30	48° 40.00'	-125° 22.87'	35	6.0	546	32	209	26	0	2	21
2009	Vancouver	6/2	48° 40.00'	-125° 37.83'	68	5.9	0	0	0	0	0	0	0
2010	Vancouver	6/1	48° 40.00'	-125° 53.22'	40	6.0	12	1	0	0	0	0	0
2011	Vancouver	6/1	48° 40.00'	-126° 08.02'	77	5.9	28	1	0	0	3	0	0
2012	Vancouver	6/2	48° 50.00'	-125° 37.25'	23	6.0	800	32	51	6	0	0	17
2013	Vancouver	6/2	48° 50.01'	-125° 53.08'	32	6.0	645	30	46	5	0	0	12
2014	Vancouver	6/5	48° 50.00'	-126° 07.96'	59	6.0	13	1	29	3	1	0	0
2015	Vancouver	6/5	48° 50.00'	-126° 22.80'	99	6.0	250	16	29	3	54	1	6
2016	Vancouver	6/5	48° 59.99'	-126° 08.22'	38	6.0	128	9	126	15	0	0	1
2017	Vancouver	6/3	49° 00.00'	-126° 22.94'	75	6.0	11	1	5	1	1	0	0
2018	Vancouver	6/3	48° 59.99'	-126° 38.20'	116	6.0	336	19	59	6	16	0	2
2019	Vancouver	6/3	49° 10.00'	-126° 23.16'	46	6.0	118	8	73	11	0	0	0
2020	Vancouver	6/3	49° 09.99'	-126° 38.16'	67	6.0	20	1	40	5	0	0	4
2021	Vancouver	6/9	49° 10.00'	-126° 52.91'	96	6.0	140	6	53	6	22	1	0
2023	Vancouver	6/4	49° 20.01'	-126° 23.07'	22	6.0	352	16	103	11	0	0	0
2024	Vancouver	6/4	49° 20.00'	-126° 37.70'	40	5.9	2,468	81	29	3	0	0	53
2025	Vancouver	6/9	49° 20.00'	-126° 53.02'	76	6.0	85	6	8	1	0	1	0
2026	Vancouver	6/9	49° 20.00'	-127° 09.01'	101	6.0	374	17	56	6	15	0	4
2027	Vancouver	6/4	49° 30.00'	-126° 38.02'	22	6.0	690	28	44	5	0	0	4
2028	Vancouver	6/10	49° 30.00'	-126° 53.00'	50	5.9	51	4	118	15	0	0	0
2029	Vancouver	6/10	49° 30.00'	-127° 08.95'	80	6.0	97	6	82	9	0	0	0
2030	Vancouver	6/10	49° 40.00'	-127° 09.03'	63	6.0	78	6	121	15	0	1	1
2031	Vancouver	6/10	49° 40.00'	-127° 24.01'	130	5.9	576	31	242	29	16	0	39
2032	Vancouver	6/11	49° 50.00'	-127° 24.00'	42	6.0	273	18	225	27	0	0	0
2033	Vancouver	6/11	49° 50.00'	-127° 40.09'	94	6.0	158	8	59	7	3	0	1
2034	Vancouver	6/11	50° 00.00'	-127° 40.01'	47	5.9	392	26	349	42	0	0	6
2035	Vancouver	6/12	50° 20.04'	-128° 11.02'	86	6.0	191	11	52	7	2	1	79
2037	Vancouver	6/12	50° 30.09'	-128° 27.00'	102	6.0	278	16	92	11	9	2	33
2038	Vancouver	6/13	50° 40.00'	-128° 28.08'	47	6.0	253	15	364	47	0	0	27
2039	Vancouver	6/13	50° 40.00'	-128° 44.07'	101	6.0	62	4	54	7	14	2	14
2040	Vancouver	6/13	50° 50.00'	-128° 28.16'	30	5.9	1,347	51	117	14	0	0	5
2041	Vancouver	6/23	51° 00.16'	-127° 57.01'	60	6.0	88	3	30	4	1	1	0
2042	Vancouver	6/23	51° 00.06'	-128° 13.00'	57	6.0	130	7	103	12	0	2	16
2043	Vancouver	6/23	51° 09.98'	-127° 56.00'	67	6.0	141	9	120	15	2	0	0
2044	Goose Is.	6/18	50° 50.01'	-129° 00.08'	48	6.0	1,287	33	13	2	0	0	26
2045	Goose Is.	6/18	50° 50.00'	-129° 16.16'	69	6.0	263	11	79	10	0	0	8
2046	Goose Is.	6/14	51° 00.00'	-128° 28.21'	50	6.0	439	23	238	31	0	0	1
2047	Goose Is.	6/19	51° 00.00'	-128° 44.19'	36	6.0	811	35	252	32	0	0	2
2048	Goose Is.	6/19	51° 00.00'	-129° 00.16'	44	6.0	341	17	177	24	0	0	0
2049	Goose Is.	6/18	51° 00.00'	-129° 15.94'	86	6.0	42	3	110	13	0	0	0
2050	Goose Is.	6/17	51° 00.01'	-129° 31.70'	130	6.0	853	42	103	12	31	1	63
2051	Goose Is.	6/14	51° 10.00'	-128° 11.96'	53	6.0	397	14	33	4	0	0	11
2052	Goose Is.	6/14	51° 10.00'	-128° 27.95'	105	6.0	100	6	49	6	1	0	1
2053	Goose Is.	6/19	51° 10.00'	-128° 44.12'	54	6.0	160	13	739	99	0	0	0
2054	Goose Is.	6/19	51° 10.00'	-129° 00.11'	72	6.0	353	23	314	41	0	0	0
2055	Goose Is.	6/17	51° 10.00'	-129° 16.02'	147	6.0	601	35	167	19	34	0	15
2056	Goose Is.	6/17	51° 10.00'	-129° 31.84'	156	6.0	982	59	367	43	76	0	1
2057	Goose Is.	7/8	51° 19.95'	-127° 55.00'	73	6.0	442	21	56	8	2	3	10
2058	Goose Is.	7/8	51° 20.00'	-128° 10.97'	46	6.0	155	11	207	29	0	0	0
2059	Goose Is.	6/20	51° 20.00'	-128° 27.06'	82	6.0	82	6	153	19	11	0	0
2060	Goose Is.	6/20	51° 20.00'	-128° 43.09'	114	6.0	439	29	68	8	8	1	7
2061	Goose Is.	7/4	51° 19.94'	-128° 59.00'	135	6.0	145	10	44	5	84	0	6
2062	Goose Is.	7/4	51° 19.86'	-129° 15.00'	133	6.0	226	17	82	9	52	0	4
2063	Goose Is.	6/24	51° 20.00'	-129° 31.05'	114	6.0	126	9	87	11	39	0	13
2064	Goose Is.	6/24	51° 20.00'	-129° 47.08'	133	6.0	112	8	35	4	5	0	1
2065	Goose Is.	7/8	51° 30.00'	-128° 11.02'	46	6.0	544	18	136	18	0	0	105
2066	Goose Is.	6/20	51° 30.00'	-128° 26.93'	104	6.0	144	9	9	1	7	0	2
2067	Goose Is.	6/20	51° 30.00'	-128° 42.95'	47	6.0	90	7	167	21	0	0	0
2068	Goose Is.	7/4	51° 30.13'	-128° 59.00'	24	6.0	609	31	173	21	0	0	0
2069	Goose Is.	7/5	51° 30.09'	-129° 15.01'	28	5.9	368	24	190	24	0	0	0
2070	Goose Is.	6/24	51° 30.00'	-129° 30.98'	55	6.0	3,397	153	459	53	0	0	39
2071	Goose Is.	6/24	51° 30.00'	-129° 46.90'	92	6.0	1,443	74	261	31	17	0	68
2072	Goose Is.	6/28	51° 30.08'	-130° 03.00'	154	6.0	624	29	74	9	56	1	17

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

² Weights calculated from length-weight tables.

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

2011 IPHC Stock Assessment Survey
All Regions

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
2073	Goose Is.	7/9	51° 40.00'	-128° 25.99'	78	6.0	211	13	57	9	10	1	2
2074	Goose Is.	7/10	51° 40.00'	-128° 58.86'	26	6.0	69	5	119	13	0	0	0
2075	Goose Is.	7/5	51° 40.02'	-129° 16.00'	30	6.0	34	3	70	8	0	0	0
2076	Goose Is.	7/3	51° 40.14'	-129° 31.00'	53	6.0	11	1	12	2	0	0	0
2077	Goose Is.	7/3	51° 39.96'	-129° 47.00'	142	6.0	276	14	75	9	26	0	11
2078	Goose Is.	7/9	51° 50.06'	-128° 26.00'	89	6.0	119	7	39	4	0	0	4
2079	Goose Is.	7/9	51° 50.00'	-128° 41.94'	59	5.9	73	6	544	71	0	1	0
2080	Goose Is.	7/10	51° 50.11'	-128° 58.00'	45	6.0	580	40	365	42	0	0	13
2081	Goose Is.	7/10	51° 50.00'	-129° 13.85'	67	6.0	249	17	184	20	0	0	1
2082	Goose Is.	7/3	51° 49.88'	-129° 31.02'	140	6.0	98	6	9	1	22	0	5
2083	Goose Is.	7/21	52° 00.00'	-128° 42.23'	90	6.0	145	9	29	3	0	0	10
2084	Goose Is.	7/21	52° 00.00'	-128° 58.03'	75	6.0	770	52	385	47	0	0	3
2085	Goose Is.	7/22	52° 00.00'	-129° 14.21'	100	6.0	85	4	28	3	0	0	0
2086	Goose Is.	7/21	52° 10.00'	-128° 41.32'	123	6.0	120	7	21	3	20	0	17
2087	St. James	6/28	51° 40.12'	-130° 03.00'	193	6.0	74	1	0	0	136	0	51
2088	St. James	6/28	51° 40.04'	-130° 19.00'	140	6.0	536	25	98	12	29	0	49
2089	St. James	7/3	51° 49.88'	-129° 47.00'	144	6.0	26	1	14	2	26	0	4
2090	St. James	7/2	51° 49.99'	-130° 03.00'	99	6.0	1,503	70	308	35	1	0	39
2091	St. James	6/30	51° 50.03'	-130° 19.00'	117	6.0	2,550	108	395	45	11	0	11
2092	St. James	6/29	51° 50.01'	-130° 35.09'	161	5.2	612	28	158	18	64	1	10
2093	St. James	6/29	51° 50.00'	-130° 52.25'	97	6.0	1,360	41	46	6	3	0	131
2094	St. James	7/22	52° 00.01'	-129° 29.96'	112	6.0	483	20	66	9	54	1	52
2095	St. James	7/2	51° 59.86'	-129° 47.02'	63	6.0	636	23	260	34	0	0	53
2096	St. James	7/2	51° 59.95'	-130° 03.01'	77	6.0	443	23	246	34	0	0	8
2097	St. James	6/30	51° 59.84'	-130° 20.55'	201	6.0	185	5	5	1	57	0	3
2098	St. James	6/30	51° 59.86'	-130° 35.01'	137	6.0	481	18	36	5	26	3	6
2099	St. James	6/29	52° 00.01'	-130° 51.99'	102	5.9	980	34	69	8	0	0	11
2100	St. James	7/20	52° 10.00'	-128° 57.05'	93	6.0	547	35	145	16	4	0	64
2101	St. James	7/20	52° 10.00'	-129° 13.65'	95	6.0	17	1	7	1	3	0	0
2102	St. James	7/22	52° 09.98'	-129° 29.94'	114	6.0	323	10	0	0	9	0	5
2103	St. James	7/24	52° 10.28'	-129° 45.99'	109	6.0	112	5	33	4	1	1	22
2104	St. James	7/11	52° 10.01'	-130° 03.00'	88	6.0	88	5	43	5	0	0	2
2105	St. James	7/11	52° 10.21'	-130° 19.00'	220	6.0	151	4	8	1	73	0	5
2106	St. James	7/12	52° 09.92'	-130° 35.00'	105	6.0	1,348	46	78	10	1	2	27
2107	St. James	7/12	52° 09.89'	-130° 52.00'	122	6.0	1,545	57	35	4	8	4	6
2108	St. James	7/20	52° 20.06'	-129° 13.00'	82	6.0	454	23	61	7	2	1	37
2109	St. James	7/24	52° 19.88'	-129° 30.01'	96	6.0	669	28	53	6	0	0	11
2110	St. James	7/24	52° 20.02'	-129° 46.00'	116	6.0	726	42	68	8	2	0	97
2111	St. James	7/11	52° 20.09'	-130° 03.00'	127	6.0	890	26	133	15	0	1	1
2112	St. James	7/11	52° 20.00'	-130° 19.06'	195	6.0	378	9	28	3	90	0	15
2113	St. James	7/13	52° 19.71'	-130° 35.01'	91	6.0	829	31	81	9	0	4	20
2114	St. James	7/12	52° 20.02'	-130° 52.00'	79	6.0	770	42	210	25	1	0	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
4051	Yakutat	6/3	58° 50.00'	-140° 20.00'	101	6.0	933	33	488	68	10	0	0
4052	Yakutat	6/9	58° 50.00'	-140° 39.71'	107	6.0	895	35	327	46	29	5	24
4053	Yakutat	6/3	59° 00.00'	-140° 00.92'	74	6.0	788	27	336	44	0	15	5
4054	Yakutat	6/3	59° 00.00'	-140° 19.79'	85	6.0	1,049	25	232	32	0	0	10
4055	Yakutat	6/9	59° 00.00'	-140° 39.30'	100	6.0	390	18	399	54	10	5	5
4056	Yakutat	6/9	59° 00.00'	-140° 58.98'	107	6.0	711	36	569	83	20	10	5
4057	Yakutat	6/11	59° 10.00'	-139° 41.42'	71	6.0	13	1	35	5	0	0	0
4058	Yakutat	6/11	59° 10.00'	-139° 59.77'	64	6.0	872	25	221	33	0	10	0
4059	Yakutat	6/10	59° 10.00'	-140° 20.11'	72	6.0	567	17	231	37	5	30	0
4060	Yakutat	6/10	59° 10.00'	-140° 38.97'	83	6.0	111	4	193	27	5	5	0
4061	Yakutat	6/17	59° 10.01'	-140° 58.95'	101	6.0	1,273	39	486	70	10	5	0
4062	Yakutat	6/17	59° 10.00'	-141° 18.11'	187	6.0	74	4	8	1	198	0	0
4063	Yakutat	6/18	59° 10.00'	-141° 37.78'	124	6.0	1,824	84	76	9	0	0	10
4064	Yakutat	6/11	59° 20.00'	-139° 40.14'	88	6.0	24	1	7	1	0	0	0
4065	Yakutat	6/11	59° 20.00'	-140° 00.11'	90	6.0	333	15	51	6	0	0	0
4066	Yakutat	6/10	59° 20.01'	-140° 20.30'	72	6.0	805	26	256	36	10	5	0
4067	Yakutat	6/10	59° 20.00'	-140° 38.96'	79	6.0	55	2	64	9	5	0	0
4068	Yakutat	6/17	59° 20.00'	-140° 59.30'	88	6.0	634	23	247	33	5	0	0
4069	Yakutat	6/17	59° 20.00'	-141° 17.98'	183	6.0	354	13	12	2	185	0	5
4070	Yakutat	6/18	59° 20.00'	-141° 38.15'	105	6.0	240	13	94	13	20	0	0
4071	Yakutat	6/18	59° 20.00'	-141° 58.03'	119	6.0	1,029	52	303	38	20	30	0
4072	Yakutat	6/12	59° 30.00'	-140° 00.30'	61	6.0	122	6	167	28	0	0	0
4073	Yakutat	6/12	59° 30.01'	-140° 18.84'	126	6.0	650	14	0	0	45	0	5
4074	Yakutat	6/12	59° 30.00'	-140° 38.95'	154	6.0	76	2	3	1	40	0	5
4075	Yakutat	6/15	59° 30.02'	-140° 59.65'	161	6.0	22	1	0	0	10	0	0
4076	Yakutat	6/15	59° 30.00'	-141° 19.07'	89	6.0	0	0	0	0	0	0	0
4077	Yakutat	6/16	59° 30.00'	-141° 37.80'	90	6.0	28	1	0	0	0	0	0
4078	Yakutat	6/16	59° 30.00'	-141° 58.05'	98	6.0	52	2	16	2	0	0	0
4079	Yakutat	6/12	59° 40.00'	-139° 59.03'	76	6.0	831	50	255	30	0	94	0
4080	Yakutat	6/15	59° 40.00'	-140° 58.89'	29	6.0	37	2	44	7	0	5	0
4081	Yakutat	6/15	59° 40.00'	-141° 19.00'	35	6.0	51	4	72	11	0	59	0
4082	Yakutat	6/16	59° 40.01'	-141° 38.36'	51	6.0	0	0	0	0	0	0	0
4083	Yakutat	6/16	59° 40.00'	-141° 57.95'	80	6.0	113	2	22	3	0	0	0
4084	Yakutat	7/12	59° 40.00'	-142° 17.93'	119	6.0	577	23	40	6	15	0	0
4085	Yakutat	7/12	59° 40.02'	-142° 37.85'	209	6.0	380	12	30	4	140	0	25
4086	Yakutat	7/11	59° 40.00'	-142° 57.95'	112	6.0	1,917	90	348	46	15	15	0
4087	Yakutat	7/11	59° 40.02'	-143° 17.16'	150	6.0	787	24	14	2	129	0	15
4088	Yakutat	7/10	59° 39.99'	-143° 37.22'	81	6.0	2,552	91	359	47	5	5	10
4089	Yakutat	7/10	59° 39.99'	-143° 57.00'	69	6.0	2,525	92	441	57	0	10	10
4090	Yakutat	6/19	59° 40.00'	-144° 17.13'	89	6.0	523	19	80	10	15	5	24
4091	Yakutat	6/19	59° 40.00'	-144° 36.66'	80	6.0	107	5	14	2	0	0	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
4119	PWS	7/9	59° 50.00'	-144° 58.14'	109	6.0	781	25	33	4	15	45	5
4120	PWS	6/29	59° 50.00'	-145° 53.48'	57	6.0	22	2	38	6	0	0	0
4121	PWS	6/28	59° 50.00'	-146° 12.62'	35	6.0	1,099	73	624	77	0	0	0
4122	PWS	6/28	59° 50.00'	-146° 32.99'	37	6.0	1,015	41	399	55	0	0	5
4123	PWS	6/27	59° 50.02'	-146° 52.84'	43	6.0	83	7	613	84	0	5	0
4124	PWS	6/27	59° 50.00'	-147° 13.03'	84	6.0	963	57	359	45	0	20	5
4125	PWS	7/9	60° 00.00'	-144° 38.90'	127	6.0	265	11	9	1	35	40	0
4126	PWS	7/9	60° 00.00'	-144° 59.16'	72	6.0	103	7	43	7	0	0	0
4127	PWS	7/9	60° 00.02'	-145° 19.23'	66	6.0	436	18	64	8	0	10	0
4128	PWS	6/28	60° 00.00'	-146° 11.79'	34	6.0	1,133	54	422	58	0	0	0
4129	PWS	6/28	60° 00.01'	-146° 32.47'	36	6.0	218	12	511	74	0	0	0
4130	PWS	6/27	60° 00.00'	-146° 52.48'	79	6.0	34	3	53	6	0	0	0
4131	PWS	6/27	60° 00.00'	-147° 11.71'	104	6.0	275	13	31	5	0	25	0
4132	PWS	6/26	60° 10.00'	-145° 31.06'	47	6.0	215	12	38	5	0	0	0
4133	PWS	6/26	60° 10.01'	-145° 50.91'	60	6.0	188	9	41	6	5	25	0
4134	PWS	6/26	60° 10.00'	-146° 10.87'	44	6.0	302	16	416	65	0	10	0
4135	PWS	7/2	60° 10.00'	-147° 31.13'	38	6.0	517	28	347	51	0	60	10
4136	PWS	7/2	60° 10.01'	-147° 50.98'	186	6.0	699	41	293	34	30	79	20
4137	PWS	7/2	60° 20.02'	-147° 30.95'	69	6.0	425	14	145	18	0	84	5
4138	PWS	7/5	60° 30.00'	-146° 29.23'	35	6.0	179	9	405	64	0	10	0
4139	PWS	7/5	60° 29.84'	-146° 48.95'	218	6.0	487	26	73	8	60	10	10
4140	PWS	7/5	60° 29.95'	-147° 10.04'	100	6.0	427	26	209	28	5	65	0
4141	PWS	7/3	60° 29.93'	-147° 30.00'	107	6.0	169	10	128	18	0	35	0
4142	PWS	7/3	60° 28.95'	-147° 50.05'	256	6.0	204	12	71	9	30	5	35
4143	PWS	7/6	60° 40.04'	-146° 49.02'	227	6.0	482	30	116	13	40	10	25
4144	PWS	7/6	60° 40.02'	-147° 09.05'	139	6.0	820	42	268	34	15	65	0
4145	PWS	7/6	60° 49.99'	-147° 08.14'	176	6.0	631	34	177	21	10	70	0
4146	PWS	7/4	60° 50.01'	-148° 10.05'	170	6.0	133	7	31	3	5	0	10
4147	Seward	6/5	58° 39.91'	-148° 34.16'	130	6.0	803	44	75	9	140	15	5
4148	Seward	6/5	58° 39.99'	-148° 52.55'	91	6.0	1,123	76	233	27	35	15	5
4149	Seward	6/4	58° 49.88'	-148° 14.74'	150	6.0	1,981	115	169	21	115	10	0
4150	Seward	6/5	58° 47.36'	-148° 33.84'	158	6.0	833	50	25	3	145	0	5
4151	Seward	6/5	58° 50.00'	-148° 52.88'	138	6.0	1,129	64	71	8	176	0	25
4152	Seward	6/17	58° 50.02'	-149° 11.92'	112	6.0	678	42	75	8	115	0	10
4153	Seward	6/4	59° 00.20'	-147° 55.93'	210	6.0	1,512	82	85	9	90	0	0
4154	Seward	6/4	58° 59.98'	-148° 13.68'	116	6.0	1,056	62	182	22	40	76	5
4155	Seward	6/11	58° 59.99'	-148° 34.40'	132	6.0	413	23	51	6	89	5	0
4156	Seward	6/11	59° 02.04'	-148° 52.87'	103	6.0	259	15	19	2	85	5	0
4157	Seward	6/12	59° 00.06'	-149° 12.39'	115	6.0	195	9	0	0	30	0	0
4158	Seward	6/12	59° 00.05'	-149° 32.12'	126	6.0	103	7	29	4	40	0	5
4159	Seward	6/3	59° 10.18'	-147° 36.10'	123	6.0	2,557	158	512	59	10	86	0
4160	Seward	6/3	59° 10.01'	-147° 54.03'	109	6.0	401	23	127	19	5	0	0
4161	Seward	6/10	59° 10.04'	-148° 14.04'	67	6.0	1,441	89	243	31	0	20	122
4162	Seward	6/10	59° 10.00'	-148° 33.02'	84	6.0	103	7	42	5	45	25	0
4163	Seward	6/11	59° 09.95'	-148° 52.78'	96	6.0	625	32	90	10	20	0	0
4164	Seward	6/12	59° 10.02'	-149° 12.20'	84	6.0	320	16	160	20	5	61	15
4165	Seward	6/12	59° 09.99'	-149° 32.37'	87	6.0	165	11	176	21	20	0	0
4166	Seward	7/20	59° 10.00'	-149° 50.78'	73	6.0	672	34	294	37	40	60	0
4167	Seward	6/3	59° 20.07'	-147° 34.17'	66	6.0	537	22	59	7	0	0	20
4168	Seward	6/3	59° 20.05'	-147° 54.27'	100	6.0	116	6	18	3	0	5	0
4169	Seward	6/10	59° 20.02'	-148° 13.32'	85	6.0	241	16	118	13	0	15	0
4170	Seward	6/9	59° 20.02'	-148° 33.08'	50	6.0	2,914	133	602	72	0	0	66
4171	Seward	6/9	59° 20.02'	-148° 52.92'	91	6.0	203	12	153	18	30	15	5
4172	Seward	7/18	59° 19.98'	-149° 12.05'	100	6.0	1,455	82	137	15	74	30	0
4173	Seward	7/18	59° 20.04'	-149° 31.97'	66	6.0	1,807	108	843	99	0	0	0
4174	Seward	7/19	59° 19.99'	-149° 51.34'	103	6.0	243	15	66	8	50	205	0
4175	Seward	7/19	59° 19.98'	-150° 10.79'	87	6.0	2,163	122	266	31	25	45	0
4176	Seward	6/2	59° 30.12'	-147° 53.58'	60	6.0	115	6	72	10	0	0	0
4177	Seward	6/2	59° 30.16'	-148° 13.38'	112	6.0	267	10	27	3	20	0	0
4178	Seward	6/9	59° 30.03'	-148° 33.21'	53	6.0	105	8	239	32	0	60	5
4179	Seward	6/9	59° 29.97'	-148° 52.00'	92	6.0	69	5	59	8	15	10	0
4180	Seward	7/18	59° 30.02'	-149° 12.14'	124	6.0	401	18	57	8	119	25	5
4181	Seward	7/18	59° 30.05'	-149° 31.78'	57	6.0	404	20	561	83	0	25	0
4182	Seward	7/19	59° 30.03'	-149° 52.11'	111	6.0	503	25	119	14	40	74	5
4183	Seward	7/19	59° 29.99'	-150° 10.70'	71	6.0	369	25	466	58	0	15	0
4184	Seward	6/2	59° 40.09'	-147° 53.22'	35	6.0	1,812	116	1,317	152	0	0	10
4185	Seward	6/2	59° 39.88'	-148° 12.87'	61	6.0	12	1	7	1	0	0	0
4186	Seward	6/1	59° 40.29'	-148° 33.13'	113	6.0	0	0	9	1	20	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
4187	Seward	6/8	59° 39.98'	-148° 51.95'	97	6.0	48	3	48	7	0	5	0
4188	Seward	6/8	59° 40.08'	-149° 12.12'	114	6.0	1,149	56	187	22	30	25	0
4189	Seward	7/17	59° 39.93'	-149° 31.86'	156	6.0	189	9	54	6	20	120	0
4190	Seward	6/1	59° 50.14'	-148° 12.46'	45	6.0	118	8	313	48	0	10	0
4191	Seward	6/1	59° 50.34'	-148° 33.90'	69	6.0	106	7	60	7	10	5	0
4192	Seward	6/8	59° 50.01'	-148° 51.95'	93	6.0	332	9	36	5	0	0	0
4193	Seward	7/17	59° 49.99'	-149° 12.25'	76	6.0	338	12	153	18	5	5	0
4194	Seward	7/17	59° 49.91'	-149° 32.09'	81	6.0	335	13	101	12	5	50	0
4195	Gore Pt.	7/1	57° 59.98'	-149° 12.92'	73	6.0	2,709	174	521	63	0	0	20
4196	Gore Pt.	7/1	58° 10.00'	-148° 54.05'	70	5.9	1,603	93	428	56	0	54	0
4197	Gore Pt.	7/1	58° 10.02'	-149° 13.27'	63	6.0	2,447	126	296	36	0	74	15
4198	Gore Pt.	6/20	58° 10.02'	-149° 31.52'	59	6.0	553	34	98	12	0	5	55
4199	Gore Pt.	6/20	58° 09.96'	-149° 50.88'	76	6.0	614	47	164	18	45	0	0
4200	Gore Pt.	6/18	58° 20.05'	-148° 35.00'	101	6.0	1,083	61	258	31	74	15	5
4201	Gore Pt.	6/18	58° 19.98'	-148° 53.64'	68	6.0	709	44	224	29	0	50	0
4202	Gore Pt.	6/19	58° 19.98'	-149° 13.57'	86	6.0	618	40	225	26	0	100	0
4203	Gore Pt.	6/19	58° 19.96'	-149° 31.75'	82	6.0	998	80	589	68	0	45	0
4204	Gore Pt.	8/4	58° 20.13'	-149° 51.03'	43	6.0	1,340	89	1,855	229	0	0	0
4205	Gore Pt.	8/4	58° 20.00'	-150° 09.91'	28	6.0	1,021	63	1,637	201	0	0	0
4206	Gore Pt.	8/2	58° 19.95'	-150° 28.90'	29	6.0	234	20	876	120	0	20	0
4207	Gore Pt.	6/18	58° 29.98'	-148° 34.27'	71	6.0	1,014	66	439	58	25	0	5
4208	Gore Pt.	6/18	58° 29.97'	-148° 52.76'	61	5.9	682	42	314	44	0	143	5
4209	Gore Pt.	6/19	58° 29.92'	-149° 12.75'	66	6.0	124	9	190	23	0	105	0
4210	Gore Pt.	6/19	58° 29.97'	-149° 31.86'	76	6.0	694	48	331	40	5	114	0
4211	Gore Pt.	8/4	58° 29.95'	-149° 50.81'	75	6.0	1,253	92	778	89	5	70	0
4212	Gore Pt.	8/4	58° 29.95'	-150° 10.64'	49	6.0	216	17	634	82	0	115	0
4213	Gore Pt.	8/3	58° 30.05'	-150° 29.20'	47	6.0	538	43	1,676	216	0	5	0
4214	Gore Pt.	8/2	58° 30.18'	-150° 47.95'	58	6.0	340	25	108	12	0	0	5
4215	Gore Pt.	6/17	58° 40.01'	-149° 12.65'	74	6.0	1,139	75	589	71	0	45	15
4216	Gore Pt.	6/17	58° 39.78'	-149° 32.20'	71	6.0	682	48	389	47	0	130	0
4217	Gore Pt.	8/5	58° 39.98'	-149° 51.00'	83	6.0	896	63	277	31	25	45	0
4218	Gore Pt.	8/5	58° 40.03'	-150° 09.84'	68	6.0	1,437	89	472	55	5	15	0
4219	Gore Pt.	8/3	58° 39.86'	-150° 29.06'	110	6.0	364	23	110	13	40	90	0
4220	Gore Pt.	8/3	58° 40.11'	-150° 49.23'	110	6.0	261	18	98	11	75	40	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
4255	Portlock	6/27	57° 50.07'	-151° 06.11'	37	6.0	711	43	526	68	0	233	0
4256	Portlock	6/26	57° 49.98'	-151° 23.98'	29	6.0	523	39	1,433	175	0	50	0
4257	Portlock	6/26	57° 50.00'	-151° 43.30'	27	6.0	243	20	1,589	225	0	35	0
4258	Portlock	7/5	57° 49.95'	-152° 01.94'	49	6.0	713	47	618	86	0	105	0
4259	Portlock	6/21	58° 00.07'	-149° 31.86'	81	6.0	649	43	157	18	10	45	5
4260	Portlock	6/20	58° 00.03'	-149° 51.05'	126	6.0	514	33	93	10	170	5	0
4261	Portlock	6/30	57° 59.98'	-150° 08.68'	124	6.0	668	38	59	8	70	5	0
4262	Portlock	6/30	58° 00.05'	-150° 27.66'	88	6.0	770	53	378	42	0	55	0
4263	Portlock	7/7	58° 00.08'	-150° 47.09'	72	6.0	954	68	554	66	0	109	0
4264	Portlock	7/7	57° 59.98'	-151° 06.00'	44	6.0	607	47	1,199	150	0	20	0
4265	Portlock	7/6	58° 00.07'	-151° 24.16'	41	6.0	347	25	451	56	0	95	0
4266	Portlock	7/6	57° 59.96'	-151° 44.31'	65	6.0	833	63	552	60	10	183	0
4267	Portlock	7/5	57° 59.84'	-152° 03.11'	98	6.0	1,356	65	207	23	5	0	0
4268	Portlock	7/5	57° 59.99'	-152° 21.77'	114	6.0	757	40	115	14	10	105	0
4269	Portlock	6/30	58° 09.95'	-150° 10.40'	79	6.0	2,389	165	331	39	5	69	5
4270	Portlock	6/30	58° 09.98'	-150° 29.01'	61	6.0	1,271	88	824	94	0	25	0
4271	Portlock	7/7	58° 09.97'	-150° 48.08'	61	6.0	392	28	272	32	0	50	0
4272	Portlock	7/7	58° 09.99'	-151° 06.59'	78	6.0	1,473	104	401	43	40	45	0
4273	Portlock	7/6	58° 09.98'	-151° 25.10'	89	6.0	1,010	72	263	27	10	139	0
4274	Portlock	7/6	58° 10.01'	-151° 44.20'	32	6.0	2,753	167	994	116	0	0	0
4275	Portlock	8/2	58° 20.23'	-150° 48.18'	35	6.0	327	27	1,194	163	0	30	0
4276	Portlock	7/8	58° 20.02'	-151° 07.28'	69	6.0	527	40	470	62	10	35	0
4277	Portlock	7/8	58° 20.10'	-151° 25.84'	38	6.0	1,386	95	1,396	183	0	0	0
4278	Portlock	7/29	58° 19.98'	-151° 44.53'	29	6.0	1,648	112	1,264	142	0	0	0
4279	Portlock	7/8	58° 29.94'	-151° 06.87'	52	6.0	488	38	728	88	0	59	0
4280	Portlock	7/29	58° 29.98'	-151° 26.71'	91	6.0	1,518	101	253	31	64	79	0
4281	Portlock	7/29	58° 29.95'	-151° 46.05'	94	6.0	1,523	89	151	17	45	61	0
4282	Portlock	7/28	58° 40.05'	-151° 26.84'	99	6.0	635	42	195	22	80	40	0
4283	Portlock	7/30	58° 40.03'	-151° 46.36'	68	6.0	1,223	75	341	39	10	10	0
4284	Portlock	7/30	58° 39.94'	-152° 05.44'	69	6.0	1,043	52	224	26	60	25	0
4285	Portlock	7/30	58° 49.95'	-152° 05.78'	55	6.0	902	67	1,428	181	0	15	5
4286	Albatross	6/28	56° 20.01'	-152° 50.52'	57	6.0	3,417	183	799	99	0	50	5
4287	Albatross	6/28	56° 20.23'	-153° 07.97'	38	6.0	1,007	57	528	72	0	35	0
4288	Albatross	6/27	56° 20.04'	-153° 26.33'	33	6.0	1,715	84	1,130	135	0	5	0
4289	Albatross	6/21	56° 29.88'	-152° 14.52'	111	6.0	950	65	578	66	30	35	15
4290	Albatross	6/21	56° 29.92'	-152° 33.09'	149	6.0	777	50	351	43	75	0	30
4291	Albatross	6/20	56° 30.10'	-152° 51.13'	30	6.0	1,159	87	1,363	164	0	135	0
4292	Albatross	6/28	56° 29.97'	-153° 08.97'	40	6.0	302	24	819	103	0	145	0
4293	Albatross	6/27	56° 30.04'	-153° 27.34'	48	6.0	428	32	754	96	0	175	0
4294	Albatross	6/27	56° 30.25'	-153° 45.41'	32	6.0	1,798	73	390	47	0	60	0
4295	Albatross	6/12	56° 40.48'	-151° 57.12'	31	6.0	1,125	66	1,274	160	0	45	0
4296	Albatross	6/21	56° 39.90'	-152° 14.80'	24	6.0	1,204	77	1,799	232	0	0	0
4297	Albatross	6/20	56° 39.95'	-152° 34.19'	76	6.0	743	57	657	79	10	60	0
4298	Albatross	6/20	56° 39.94'	-152° 52.13'	39	6.0	691	38	1,381	186	0	5	0
4299	Albatross	6/19	56° 40.48'	-153° 09.55'	82	6.0	628	39	151	18	0	10	0
4300	Albatross	6/26	56° 40.09'	-153° 27.74'	76	6.0	768	35	222	27	0	140	0
4301	Albatross	6/26	56° 40.27'	-153° 46.52'	54	6.0	661	41	433	57	0	165	0
4302	Albatross	6/12	56° 49.77'	-151° 40.66'	158	6.0	265	20	253	32	75	0	55
4303	Albatross	6/12	56° 50.01'	-151° 57.43'	41	6.0	1,594	73	836	110	0	115	5
4304	Albatross	6/13	56° 49.94'	-152° 16.11'	53	6.0	1,083	60	1,126	140	0	100	0
4305	Albatross	6/13	56° 50.08'	-152° 34.61'	76	6.0	535	36	435	57	0	25	0
4306	Albatross	6/19	56° 49.88'	-152° 52.78'	36	6.0	684	37	757	96	0	25	0
4307	Albatross	6/19	56° 49.96'	-153° 11.37'	57	6.0	910	61	494	57	0	185	0
4308	Albatross	6/26	56° 49.98'	-153° 29.07'	57	6.0	625	29	415	53	0	65	0
4309	Albatross	6/11	57° 00.02'	-151° 40.02'	42	6.0	1,192	64	425	51	0	265	0
4310	Albatross	6/11	57° 00.00'	-151° 58.88'	45	6.0	193	15	903	130	0	120	0
4311	Albatross	6/13	56° 59.67'	-152° 16.93'	40	6.0	402	21	941	128	0	105	0
4312	Albatross	6/18	56° 59.95'	-152° 35.49'	86	6.0	1,083	53	217	26	20	94	0
4313	Albatross	6/18	57° 00.07'	-152° 53.44'	62	6.0	645	46	712	93	0	75	10
4314	Albatross	6/10	57° 10.41'	-151° 04.72'	178	6.0	310	22	116	16	70	0	15
4316	Albatross	6/11	57° 09.97'	-151° 41.30'	40	6.0	636	36	694	88	0	185	0
4317	Albatross	6/17	57° 10.22'	-151° 59.29'	39	6.0	678	32	484	59	0	260	0
4318	Albatross	6/17	57° 10.02'	-152° 17.65'	43	6.0	194	11	395	58	0	260	0
4319	Albatross	6/18	57° 09.91'	-152° 36.08'	55	6.0	432	29	543	71	0	135	0
4320	Albatross	6/9	57° 20.07'	-151° 04.06'	51	6.0	973	64	564	66	0	90	0
4321	Albatross	6/10	57° 19.73'	-151° 23.10'	74	6.0	1,039	79	938	111	0	75	0
4322	Albatross	6/16	57° 19.97'	-151° 41.72'	34	6.0	280	12	178	20	0	280	0
4323	Albatross	6/16	57° 19.87'	-152° 00.09'	39	6.0	546	35	427	56	0	100	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
4325	Albatross	6/9	57° 29.67'	-151° 05.05'	44	6.0	329	23	203	24	0	280	0
4326	Albatross	6/9	57° 29.98'	-151° 22.73'	48	6.0	426	34	930	115	0	65	0
4327	Albatross	6/8	57° 30.02'	-151° 42.20'	62	6.0	791	62	1,023	119	0	110	0
4328	Albatross	6/16	57° 29.95'	-152° 00.92'	26	6.0	1,642	47	531	62	0	335	0
4329	Albatross	6/8	57° 39.93'	-151° 43.25'	36	6.0	544	44	1,024	116	0	10	0
4330	Albatross	6/8	57° 39.64'	-152° 00.89'	89	6.0	956	62	657	76	0	75	0
4331	Shelikof	6/18	57° 30.03'	-154° 54.78'	126	6.0	290	14	111	13	30	25	0
4332	Shelikof	6/19	57° 40.00'	-154° 34.98'	120	6.0	516	28	86	11	40	25	0
4333	Shelikof	6/18	57° 40.08'	-154° 54.06'	129	6.0	837	40	118	14	30	20	0
4334	Shelikof	6/18	57° 40.08'	-155° 12.86'	163	6.0	1,741	94	113	13	45	30	0
4335	Shelikof	6/20	57° 50.06'	-154° 15.11'	113	6.0	674	39	279	34	30	10	0
4336	Shelikof	6/19	57° 49.96'	-154° 34.00'	126	6.0	462	26	71	9	75	40	0
4337	Shelikof	6/19	57° 50.12'	-154° 52.75'	158	6.0	925	48	186	21	79	15	0
4338	Shelikof	6/16	57° 59.98'	-153° 37.51'	91	6.0	1,918	116	537	67	0	40	0
4339	Shelikof	6/20	58° 00.09'	-153° 56.26'	109	6.0	745	43	273	33	10	35	0
4340	Shelikof	6/20	58° 00.08'	-154° 13.92'	128	6.0	417	24	130	15	50	79	0
4341	Shelikof	6/3	58° 10.06'	-153° 18.94'	57	6.0	307	22	361	56	0	95	0
4342	Shelikof	6/3	58° 10.06'	-153° 37.83'	106	6.0	830	46	133	15	5	0	0
4343	Shelikof	6/16	58° 10.04'	-153° 57.17'	116	6.0	374	17	163	21	15	40	0
4344	Shelikof	6/3	58° 19.94'	-153° 20.04'	96	6.0	340	24	282	34	5	30	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0
1038	Oregon	8/10	44° 59.98'	-124° 25.01'	148	5.9	353	17	37	4	64	0	0
1039	Oregon	8/3	45° 00.14'	-124° 39.00'	252	5.9	15	1	0	0	15	0	0
1040	Oregon	8/2	45° 10.11'	-124° 11.00'	72	5.9	50	3	36	4	5	0	0
1041	Oregon	8/2	45° 10.10'	-124° 25.00'	203	5.9	0	0	0	0	44	0	0
1042	Oregon	7/30	45° 20.04'	-124° 11.00'	73	6.0	28	1	0	0	0	0	0
1043	Washington	7/31	45° 19.95'	-124° 24.98'	197	3.1	0	0	0	0	23	0	0
1044	Washington	7/31	45° 20.00'	-124° 39.00'	252	5.9	0	0	0	0	64	0	0
1045	Washington	7/30	45° 30.05'	-124° 11.00'	67	5.9	39	2	10	1	0	0	0
1046	Washington	7/29	45° 30.00'	-124° 25.00'	112	5.9	208	13	44	5	10	0	0
1047	Washington	7/31	45° 29.97'	-124° 39.00'	256	5.9	0	0	0	0	103	0	0
1048	Washington	7/29	45° 39.99'	-124° 10.00'	57	5.9	87	5	0	0	0	0	0
1049	Washington	7/29	45° 40.02'	-124° 25.00'	91	5.9	0	0	10	1	0	0	0
1050	Washington	7/26	45° 40.10'	-124° 39.00'	181	5.6	0	0	0	0	56	0	0
1051	Washington	7/27	45° 50.02'	-124° 10.00'	53	6.0	115	6	22	3	0	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
5021	Trinity	6/5	56° 29.94'	-155° 39.00'	63	6.0	1,058	69	495	60	0	150	0
5022	Trinity	6/5	56° 39.99'	-155° 02.42'	24	6.0	584	34	425	59	0	163	0
5023	Trinity	6/5	56° 40.02'	-155° 20.34'	55	6.0	627	38	411	55	0	104	0
5024	Trinity	7/29	56° 40.00'	-155° 38.13'	132	6.0	628	35	211	24	20	0	0
5025	Trinity	7/29	56° 39.98'	-155° 55.99'	161	6.0	144	10	70	8	59	54	0
5026	Trinity	6/3	56° 50.07'	-154° 24.02'	34	6.1	190	10	210	30	0	207	0
5027	Trinity	6/3	56° 50.02'	-154° 42.02'	26	6.0	229	14	384	53	0	165	0
5028	Trinity	6/4	56° 50.03'	-155° 00.00'	43	6.0	875	53	457	69	0	90	0
5029	Trinity	6/4	56° 50.00'	-155° 19.59'	128	6.0	1,037	63	181	21	40	45	0
5030	Trinity	7/29	56° 50.16'	-155° 37.02'	154	6.0	374	21	64	8	35	60	0
5031	Trinity	7/29	56° 49.92'	-155° 55.00'	166	6.0	230	14	19	3	163	59	0
5032	Trinity	6/3	57° 00.00'	-154° 41.03'	22	6.0	360	22	343	51	0	134	0
5033	Trinity	6/4	57° 00.08'	-154° 59.00'	62	6.0	333	24	502	70	0	60	0
5034	Trinity	6/4	57° 00.00'	-155° 18.13'	140	6.0	501	32	167	19	25	5	0
5035	Trinity	7/30	57° 00.00'	-155° 36.00'	156	6.0	165	10	27	3	84	59	0
5036	Trinity	7/30	57° 00.00'	-155° 54.00'	163	6.0	335	13	7	1	104	74	0
5037	Trinity	8/2	57° 10.08'	-154° 40.00'	35	5.9	471	24	634	95	0	20	0
5038	Trinity	8/2	57° 10.15'	-154° 58.00'	111	6.0	483	31	329	44	59	50	5
5039	Trinity	8/1	57° 09.93'	-155° 15.97'	137	6.0	537	28	144	18	45	74	0
5040	Trinity	7/30	57° 10.05'	-155° 34.99'	152	6.0	173	11	33	4	59	40	0
5041	Trinity	7/30	57° 10.00'	-155° 53.25'	141	6.0	717	31	60	8	74	40	0
5042	Trinity	8/1	57° 20.01'	-154° 57.22'	108	6.0	187	9	40	5	29	93	0
5043	Trinity	8/1	57° 19.83'	-155° 14.98'	137	6.0	594	30	93	11	50	59	0
5044	Trinity	7/31	57° 20.00'	-155° 34.00'	157	5.9	268	17	84	10	64	29	0
5045	Trinity	7/31	57° 19.99'	-155° 52.00'	57	6.0	716	40	689	93	0	153	0
5046	Trinity	7/31	57° 20.00'	-156° 10.93'	105	6.0	22	2	70	8	0	193	0
5047	Trinity	8/1	57° 30.00'	-155° 13.89'	143	6.0	333	16	77	10	40	104	0
5048	Trinity	7/31	57° 29.98'	-155° 33.00'	168	6.0	245	16	155	19	75	90	0
5096	Chignik	7/22	54° 50.27'	-157° 33.00'	165	6.0	24	2	44	6	130	0	10
5097	Chignik	7/22	54° 49.96'	-157° 49.84'	92	6.0	92	7	428	62	10	20	5
5098	Chignik	7/23	55° 00.14'	-157° 15.39'	100	6.0	0	0	172	26	45	50	0
5099	Chignik	7/22	54° 59.81'	-157° 33.28'	55	6.0	1,000	66	922	120	0	70	5
5100	Chignik	7/27	54° 59.95'	-157° 50.70'	44	6.0	671	38	650	86	0	139	10
5101	Chignik	7/27	54° 59.85'	-158° 06.72'	71	6.0	135	8	371	61	0	30	0
5102	Chignik	7/15	55° 10.33'	-156° 22.30'	217	6.0	1,465	102	538	63	120	15	5
5104	Chignik	7/24	55° 10.16'	-156° 57.52'	82	5.9	78	6	417	56	10	245	0
5105	Chignik	7/23	55° 10.12'	-157° 13.97'	61	6.0	103	8	1,023	171	0	89	5
5106	Chignik	7/23	55° 09.63'	-157° 31.67'	47	6.0	1,201	64	1,194	161	0	64	0
5107	Chignik	7/28	55° 10.00'	-157° 48.86'	42	6.0	464	29	601	96	0	270	0
5108	Chignik	7/27	55° 09.52'	-158° 06.46'	56	6.0	426	28	483	67	0	110	0
5109	Chignik	7/14	55° 20.57'	-156° 39.48'	59	6.0	455	33	817	108	0	130	0
5110	Chignik	7/24	55° 19.84'	-156° 55.83'	50	5.9	234	16	709	107	0	132	0
5111	Chignik	7/24	55° 19.71'	-157° 12.23'	49	6.0	138	9	667	108	0	188	0
5112	Chignik	7/28	55° 19.90'	-157° 31.27'	46	6.0	401	22	705	122	0	130	0
5113	Chignik	7/28	55° 19.64'	-157° 49.62'	43	6.0	316	19	968	173	0	64	10
5114	Chignik	7/26	55° 20.07'	-158° 06.22'	58	6.0	353	23	783	125	0	55	0
5115	Chignik	7/26	55° 19.80'	-158° 24.12'	81	6.0	186	13	376	53	25	69	0
5116	Chignik	7/14	55° 29.36'	-156° 38.41'	94	6.0	223	17	359	45	165	60	0
5117	Chignik	7/14	55° 29.63'	-156° 54.70'	49	6.0	815	47	628	81	0	178	0
5118	Chignik	7/25	55° 30.07'	-157° 14.29'	48	6.0	91	7	194	28	0	360	0
5119	Chignik	7/25	55° 29.96'	-157° 29.84'	51	6.0	283	15	513	90	0	94	0
5120	Chignik	7/25	55° 29.88'	-157° 46.70'	54	6.0	78	5	518	87	0	74	0
5121	Chignik	7/10	55° 30.05'	-158° 05.99'	71	6.0	253	19	496	65	20	75	5
5122	Chignik	7/26	55° 29.76'	-158° 23.69'	79	6.0	352	23	429	60	39	54	5
5123	Chignik	7/18	55° 39.76'	-156° 54.96'	49	6.0	58	4	553	89	0	228	0
5124	Chignik	7/9	55° 39.92'	-157° 12.72'	46	6.0	60	5	570	97	0	180	0
5125	Chignik	7/9	55° 39.91'	-157° 29.97'	55	6.0	185	14	483	67	0	160	0
5126	Chignik	7/10	55° 39.92'	-157° 48.03'	73	6.0	427	30	574	78	5	130	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
5137	Chignik	8/2	55° 59.77'	-158° 05.07'	48	6.0	828	34	451	73	0	100	0
5138	Chignik	8/4	56° 10.36'	-157° 47.63'	90	6.0	519	31	363	44	0	90	5
5139	Chignik	8/4	56° 10.27'	-158° 04.83'	52	6.0	343	15	409	62	0	45	15
5140	Chignik	8/4	56° 19.95'	-158° 03.64'	30	6.0	898	31	131	20	0	109	0
5141	Shumagin	6/15	54° 30.37'	-158° 59.96'	143	6.0	62	5	164	21	85	5	10
5142	Shumagin	6/14	54° 30.00'	-159° 17.20'	78	6.0	100	8	405	55	0	160	0
5143	Shumagin	6/14	54° 30.05'	-159° 34.45'	61	6.0	1,007	64	466	58	0	190	5
5144	Shumagin	6/13	54° 30.02'	-159° 51.28'	64	6.0	67	5	182	28	0	20	0
5145	Shumagin	6/13	54° 30.09'	-160° 09.08'	65	6.0	393	31	492	67	0	30	0
5146	Shumagin	6/16	54° 40.01'	-158° 25.32'	112	6.0	595	40	402	47	65	35	10
5147	Shumagin	6/15	54° 40.02'	-158° 42.16'	56	6.0	1,003	67	492	60	0	230	15
5148	Shumagin	6/15	54° 39.94'	-159° 00.05'	49	6.1	1,075	73	510	63	0	192	0
5149	Shumagin	6/14	54° 40.00'	-159° 16.93'	39	6.0	713	32	407	61	0	139	0
5150	Shumagin	6/14	54° 40.36'	-159° 34.04'	33	6.0	421	21	287	39	0	150	0
5151	Shumagin	6/13	54° 39.97'	-159° 52.19'	41	6.0	683	29	250	36	0	240	0
5152	Shumagin	6/10	54° 40.22'	-160° 09.01'	49	6.0	701	43	523	71	0	173	0
5153	Shumagin	6/16	54° 49.92'	-158° 08.39'	74	6.0	300	20	870	120	20	80	0
5154	Shumagin	6/16	54° 49.92'	-158° 25.25'	110	6.0	352	25	310	42	90	15	0
5155	Shumagin	6/9	54° 50.29'	-158° 42.13'	54	6.0	534	32	218	34	0	265	0
5156	Shumagin	6/9	54° 50.28'	-159° 00.10'	39	6.0	300	17	377	63	0	51	0
5157	Shumagin	6/10	54° 50.02'	-159° 52.34'	31	6.1	249	9	72	10	0	187	0
5158	Shumagin	6/10	54° 49.97'	-160° 09.10'	37	6.1	250	10	196	32	0	212	0
5159	Shumagin	5/29	54° 50.16'	-160° 26.46'	46	6.0	279	19	493	77	0	76	0
5160	Shumagin	6/8	54° 59.91'	-158° 24.94'	113	6.0	434	29	238	30	109	0	0
5161	Shumagin	6/8	54° 59.97'	-158° 41.81'	70	6.0	469	27	602	86	0	79	5
5162	Shumagin	6/9	55° 00.14'	-158° 59.18'	46	6.1	204	13	204	30	0	136	0
5163	Shumagin	6/7	54° 59.71'	-159° 16.81'	22	6.0	554	22	109	16	0	168	0
5164	Shumagin	5/29	55° 00.05'	-160° 27.86'	67	6.0	249	17	254	33	0	30	0
5165	Shumagin	5/29	55° 00.05'	-160° 43.70'	51	6.0	396	19	348	53	0	119	0
5166	Shumagin	6/8	55° 09.92'	-158° 24.29'	99	6.0	414	28	429	54	5	10	0
5167	Shumagin	6/8	55° 09.93'	-158° 41.73'	113	6.0	718	35	133	16	64	0	0
5168	Shumagin	6/7	55° 09.58'	-158° 58.33'	75	6.0	843	55	879	119	0	60	0
5169	Shumagin	6/7	55° 09.94'	-159° 17.09'	39	6.1	230	8	182	25	0	217	0
5170	Shumagin	6/6	55° 19.98'	-158° 42.20'	102	6.0	325	18	135	17	20	10	0
5171	Shumagin	6/6	55° 19.83'	-158° 59.16'	102	6.0	761	40	124	16	5	0	0
5172	Shumagin	5/30	55° 19.98'	-159° 16.92'	96	6.0	669	40	311	39	0	5	0
5173	Shumagin	5/30	55° 20.01'	-159° 34.31'	75	6.0	647	44	733	98	0	45	0
5174	Shumagin	5/30	55° 20.05'	-159° 51.91'	45	6.0	302	16	167	24	0	45	0
5175	Shumagin	6/6	55° 30.00'	-158° 41.43'	89	6.0	157	8	65	9	0	0	0
5176	Shumagin	6/2	55° 30.14'	-158° 59.29'	59	6.0	142	10	435	74	0	20	0
5177	Shumagin	6/2	55° 30.14'	-159° 17.26'	59	6.0	303	18	420	58	0	70	0
5178	Shumagin	6/1	55° 30.01'	-159° 34.55'	92	6.1	360	22	202	27	0	106	0
5179	Shumagin	6/1	55° 29.92'	-159° 50.66'	91	6.0	882	52	377	47	0	60	0
5181	Shumagin	6/5	55° 40.13'	-158° 59.07'	84	6.0	445	23	238	28	0	95	0
5182	Shumagin	6/2	55° 39.69'	-159° 17.04'	55	6.0	354	17	339	47	0	155	0
5183	Shumagin	6/1	55° 40.06'	-159° 52.32'	70	6.0	1,073	53	381	50	0	54	0
5184	Shumagin	6/5	55° 49.62'	-158° 59.07'	69	6.0	802	46	322	39	0	110	0
5185	Shumagin	6/5	55° 50.03'	-159° 16.82'	69	6.1	204	13	198	26	0	222	0
5186	Sanak	6/23	54° 00.00'	-163° 14.71'	47	6.1	282	22	677	93	0	217	15
5187	Sanak	6/23	54° 00.00'	-163° 32.09'	55	6.0	0	0	243	39	0	149	0
5188	Sanak	6/23	54° 00.00'	-163° 49.09'	52	6.0	35	3	284	43	0	150	0
5189	Sanak	6/14	54° 10.00'	-161° 34.05'	73	6.0	125	10	521	78	0	153	10
5190	Sanak	6/14	54° 10.02'	-161° 51.04'	47	6.0	2,915	190	902	103	0	45	5
5191	Sanak	6/15	54° 10.00'	-162° 08.05'	47	6.0	1,205	72	985	125	0	134	5
5192	Sanak	6/15	54° 10.01'	-162° 24.98'	95	6.0	45	4	271	39	25	55	15
5193	Sanak	6/23	54° 10.00'	-163° 50.06'	50	6.0	119	9	426	65	0	133	0
5194	Sanak	6/12	54° 19.98'	-160° 08.04'	181	6.0	59	5	112	16	45	0	10
5195	Sanak	6/12	54° 20.00'	-160° 26.15'	70	6.0	224	15	519	75	0	50	0
5196	Sanak	6/13	54° 19.99'	-160° 42.98'	59	6.0	685	49	696	83	0	200	40
5197	Sanak	6/13	54° 20.02'	-161° 00.02'	72	6.0	737	57	1,136	151	0	79	0
5198	Sanak	6/14	54° 20.00'	-161° 17.09'	60	6.0	1,223	80	867	114	0	110	0
5199	Sanak	6/14	54° 20.00'	-161° 34.02'	80	6.0	434	31	776	108	5	110	0
5200	Sanak	6/15	54° 19.99'	-161° 51.36'	40	6.0	1,100	63	565	74	0	170	10
5201	Sanak	6/15	54° 19.99'	-162° 09.23'	32	6.0	1,215	58	765	111	0	60	0
5202	Sanak	6/25	54° 20.00'	-163° 17.32'	27	6.0	1,535	69	359	44	0	75	0
5203	Sanak	6/25	54° 20.39'	-163° 34.00'	61	6.0	524	37	568	79	0	165	0
5204	Sanak	6/26	54° 20.00'	-163° 51.11'	62	6.0	159	13	472	63	0	125	0
5205	Sanak	6/26	54° 20.00'	-164° 09.44'	50	6.0	422	27	493	74	0	105	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
5206	Sanak	6/12	54° 30.09'	-160° 26.02'	82	6.0	532	40	693	92	15	95	0
5207	Sanak	6/13	54° 29.98'	-160° 43.14'	77	6.0	440	31	737	106	5	120	0
5208	Sanak	6/13	54° 30.00'	-161° 00.02'	73	6.0	378	28	978	144	0	35	0
5209	Sanak	6/18	54° 29.96'	-161° 18.00'	69	6.0	320	25	664	103	0	50	0
5210	Sanak	6/17	54° 29.98'	-161° 35.00'	37	6.0	1,012	61	917	137	0	15	0
5211	Sanak	6/17	54° 30.16'	-161° 52.04'	80	6.0	495	33	301	43	0	20	0
5212	Sanak	6/16	54° 30.01'	-162° 09.17'	80	6.0	743	48	676	90	0	99	0
5213	Sanak	6/16	54° 29.99'	-162° 26.01'	81	6.0	737	46	829	113	0	95	0
5214	Sanak	6/25	54° 30.00'	-163° 17.87'	40	6.1	540	34	955	148	0	51	0
5215	Sanak	6/25	54° 29.99'	-163° 34.86'	52	6.0	120	8	924	162	0	25	0
5216	Sanak	6/26	54° 30.00'	-163° 53.27'	51	6.0	452	33	881	137	0	15	0
5217	Sanak	6/26	54° 30.00'	-164° 09.77'	52	6.0	332	24	784	116	0	95	0
5218	Sanak	6/12	54° 40.00'	-160° 26.26'	57	6.0	554	35	981	147	0	79	0
5219	Sanak	6/11	54° 40.00'	-160° 43.14'	53	6.0	678	41	606	80	0	210	0
5220	Sanak	6/11	54° 40.00'	-161° 00.96'	52	6.0	587	35	855	128	0	60	0
5221	Sanak	6/18	54° 39.97'	-161° 18.01'	77	6.0	415	25	755	106	0	20	0
5222	Sanak	6/17	54° 39.92'	-161° 34.99'	36	6.0	724	45	1,004	148	0	20	30
5223	Sanak	6/17	54° 40.09'	-161° 53.03'	34	6.0	1,686	80	655	95	0	10	0
5224	Sanak	6/22	54° 40.09'	-162° 44.00'	49	6.0	314	17	220	33	0	5	0
5225	Sanak	6/11	54° 50.00'	-160° 44.16'	57	6.0	428	32	1,189	168	0	89	0
5226	Sanak	6/11	54° 50.09'	-161° 01.01'	58	6.0	599	38	835	118	0	15	0
5227	Sanak	6/10	54° 50.14'	-161° 18.00'	58	6.0	666	39	766	110	0	10	0
5228	Sanak	6/18	54° 50.00'	-161° 36.04'	44	6.0	1,035	47	615	89	0	50	0
5229	Sanak	6/22	54° 50.01'	-162° 45.83'	26	6.0	324	21	487	72	0	15	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0
1038	Oregon	8/10	44° 59.98'	-124° 25.01'	148	5.9	353	17	37	4	64	0	0
1039	Oregon	8/3	45° 00.14'	-124° 39.00'	252	5.9	15	1	0	0	15	0	0
1040	Oregon	8/2	45° 10.11'	-124° 11.00'	72	5.9	50	3	36	4	5	0	0
1041	Oregon	8/2	45° 10.10'	-124° 25.00'	203	5.9	0	0	0	0	44	0	0
1042	Oregon	7/30	45° 20.04'	-124° 11.00'	73	6.0	28	1	0	0	0	0	0
1043	Washington	7/31	45° 19.95'	-124° 24.98'	197	3.1	0	0	0	0	23	0	0
1044	Washington	7/31	45° 20.00'	-124° 39.00'	252	5.9	0	0	0	0	64	0	0
1045	Washington	7/30	45° 30.05'	-124° 11.00'	67	5.9	39	2	10	1	0	0	0
1046	Washington	7/29	45° 30.00'	-124° 25.00'	112	5.9	208	13	44	5	10	0	0
1047	Washington	7/31	45° 29.97'	-124° 39.00'	256	5.9	0	0	0	0	103	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
5274	Semidi	8/11	56° 40.34'	-156° 31.92'	81	6.0	1,040	56	585	75	0	91	5
5275	Semidi	8/10	56° 39.94'	-156° 51.33'	56	6.0	623	37	696	99	0	95	0
5276	Semidi	8/10	56° 39.68'	-157° 08.98'	88	6.0	584	27	124	14	0	90	0
5277	Semidi	8/12	56° 49.67'	-156° 13.13'	105	6.0	989	49	125	15	70	135	0
5278	Semidi	8/11	56° 50.09'	-156° 32.16'	59	6.0	658	30	613	79	0	110	5
5279	Semidi	8/10	56° 49.94'	-156° 49.67'	63	6.0	812	46	443	58	0	89	0
5280	Semidi	8/12	57° 00.03'	-156° 13.67'	84	6.0	650	41	352	43	0	160	0
6001	Unalaska	7/21	52° 29.62'	-169° 41.00'	136	6.0	782	45	127	14	15	80	0
6002	Unalaska	7/22	52° 30.03'	-169° 57.99'	133	6.0	817	41	246	29	0	89	0
6003	Unalaska	7/24	52° 30.04'	-170° 46.18'	83	6.0	651	35	712	115	0	75	0
6004	Unalaska	7/8	52° 40.00'	-169° 09.21'	59	6.0	448	26	467	68	0	210	0
6005	Unalaska	7/21	52° 40.25'	-169° 25.03'	96	6.0	750	38	240	30	0	243	0
6006	Unalaska	7/21	52° 40.04'	-169° 45.03'	40	6.0	204	11	93	12	0	203	0
6007	Unalaska	7/22	52° 39.81'	-169° 58.05'	155	6.0	1,654	73	101	14	25	69	0
6008	Unalaska	7/24	52° 40.00'	-170° 47.69'	42	6.0	635	33	465	77	0	59	0
6009	Unalaska	7/20	52° 43.00'	-171° 22.23'	89	6.0	0	0	25	5	0	5	0
6010	Unalaska	7/8	52° 50.00'	-168° 36.24'	54	6.0	716	38	415	58	0	243	10
6011	Unalaska	7/8	52° 50.00'	-168° 52.00'	31	6.0	653	28	105	16	0	275	0
6012	Unalaska	7/22	52° 50.17'	-170° 16.00'	86	6.0	373	22	170	21	0	208	0
6013	Unalaska	7/20	52° 49.81'	-171° 21.08'	99	6.0	1,094	50	468	66	0	15	0
6014	Unalaska	7/20	52° 48.76'	-171° 35.01'	132	6.0	2,036	119	329	36	0	0	0
6015	Unalaska	7/9	53° 00.00'	-167° 29.21'	99	6.0	0	0	75	14	0	70	0
6016	Unalaska	7/9	53° 00.00'	-167° 46.35'	54	6.0	340	21	559	92	0	120	0
6017	Unalaska	7/7	53° 00.00'	-168° 02.58'	66	6.0	58	5	257	40	0	80	0
6018	Unalaska	7/7	53° 00.00'	-168° 16.05'	49	6.0	1,014	43	331	48	0	225	0
6019	Unalaska	7/18	53° 00.07'	-169° 06.99'	48	6.0	1,108	53	344	45	0	250	0
6020	Unalaska	7/19	52° 59.89'	-169° 58.98'	65	6.0	474	23	533	93	0	25	0
6021	Unalaska	7/19	52° 59.80'	-170° 15.04'	105	6.0	328	20	168	20	0	208	0
6022	Unalaska	7/6	53° 10.00'	-166° 56.38'	112	6.0	0	0	31	5	69	20	0
6023	Unalaska	7/6	53° 10.00'	-167° 11.34'	62	6.0	150	10	174	24	0	100	0
6024	Unalaska	7/9	53° 10.00'	-167° 28.88'	49	6.0	347	21	271	37	0	135	0
6025	Unalaska	7/9	53° 10.34'	-167° 45.97'	43	6.1	161	9	234	40	0	260	0
6026	Unalaska	7/7	53° 10.40'	-168° 02.01'	34	6.0	96	5	191	33	0	130	0
6027	Unalaska	7/18	53° 10.03'	-168° 52.11'	116	6.0	1,152	65	181	21	0	173	0
6028	Unalaska	7/19	53° 10.37'	-169° 42.12'	168	6.0	65	3	0	0	0	79	20
6029	Unalaska	7/5	53° 20.02'	-166° 05.00'	264	6.0	0	0	0	0	20	0	15
6030	Unalaska	7/5	53° 20.00'	-166° 21.97'	137	6.0	12	1	24	4	25	0	0
6031	Unalaska	7/5	53° 20.05'	-166° 38.10'	74	5.5	12	1	48	10	0	54	0
6032	Unalaska	7/6	53° 20.00'	-166° 55.19'	51	6.1	456	27	455	69	0	131	0
6033	Unalaska	7/6	53° 20.00'	-167° 13.34'	41	6.0	239	14	258	48	0	70	0
6034	Unalaska	7/18	53° 20.02'	-168° 36.03'	45	6.0	620	21	128	20	0	282	0
6035	Unalaska	7/10	53° 29.98'	-165° 48.98'	108	6.1	0	0	49	8	65	15	0
6036	Unalaska	7/10	53° 29.99'	-166° 04.03'	73	6.0	56	4	166	31	0	35	0
6037	Unalaska	7/10	53° 30.02'	-166° 21.23'	63	6.0	92	5	312	54	0	100	0
6038	Unalaska	7/17	53° 30.07'	-167° 27.97'	46	6.0	388	17	311	46	0	89	0
6039	Unalaska	7/11	53° 40.00'	-164° 38.39'	189	6.0	13	1	0	0	45	0	15
6040	Unalaska	7/12	53° 40.00'	-164° 55.05'	182	6.0	0	0	18	2	55	0	45
6041	Unalaska	7/12	53° 40.02'	-165° 13.12'	192	6.0	11	1	0	0	25	0	10
6042	Unalaska	7/12	53° 40.00'	-165° 29.99'	89	6.0	15	1	32	6	45	30	0
6043	Unalaska	7/13	53° 40.00'	-165° 47.08'	67	6.0	91	6	489	81	0	150	0
6044	Unalaska	7/13	53° 40.00'	-166° 03.52'	47	6.0	109	7	220	35	0	160	0
6045	Unalaska	7/17	53° 40.01'	-167° 10.79'	35	6.0	351	14	100	19	0	150	0
6046	Unalaska	7/17	53° 39.99'	-167° 27.86'	203	6.0	1,009	57	90	10	15	84	20
6047	Unalaska	6/24	53° 49.99'	-163° 47.73'	49	6.0	1,085	66	553	71	0	155	30
6048	Unalaska	6/24	53° 50.00'	-164° 04.91'	43	6.0	628	40	469	60	0	295	10
6049	Unalaska	7/11	53° 50.08'	-164° 21.75'	47	6.0	291	20	377	54	0	175	0
6050	Unalaska	7/11	53° 50.00'	-164° 39.19'	54	6.0	63	4	173	27	0	50	0
6051	Unalaska	6/29	53° 49.98'	-164° 56.48'	62	6.0	127	10	345	51	0	65	0
6052	Unalaska	6/29	53° 50.09'	-165° 12.00'	58	6.0	91	7	367	56	0	35	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
6062	Unalaska	6/28	54° 00.00'	-165° 28.91'	40	6.0	452	25	634	95	0	54	0
6064	Unalaska	6/24	54° 10.00'	-164° 06.95'	38	6.0	320	20	558	80	0	190	0
6065	Unalaska	6/30	54° 10.21'	-164° 24.98'	48	6.0	37	3	456	80	0	84	0
6066	Unalaska	6/30	54° 07.67'	-164° 42.03'	41	6.0	171	12	268	44	0	119	0
7001	4A Edge	8/20	54° 29.88'	-165° 43.55'	200	6.0	131	11	583	77	0	0	0
7002	4A Edge	8/21	54° 29.96'	-166° 19.24'	271	6.1	191	9	0	0	0	0	5
7003	4A Edge	8/21	54° 30.01'	-166° 35.44'	264	6.0	270	14	9	1	5	0	15
7004	4A Edge	8/17	54° 30.04'	-166° 53.27'	261	6.1	645	29	0	0	5	0	10
7006	4A Edge	8/20	54° 39.95'	-165° 25.91'	110	6.1	11	1	127	19	0	59	0
7007	4A Edge	8/18	54° 40.05'	-165° 42.85'	181	6.1	44	4	347	45	0	0	0
7009	4A Edge	8/16	54° 39.96'	-166° 17.70'	175	6.1	62	4	86	11	0	0	0
7010	4A Edge	8/16	54° 39.94'	-166° 34.86'	185	6.0	157	8	37	5	0	0	0
7011	4A Edge	8/17	54° 40.04'	-166° 52.72'	206	6.0	418	24	37	4	0	0	0
7012	4A Edge	8/17	54° 40.05'	-167° 09.96'	247	6.0	108	4	10	1	0	0	20
7015	4A Edge	8/18	54° 49.98'	-166° 00.20'	85	6.0	136	5	0	0	0	15	0
7016	4A Edge	8/16	54° 49.98'	-166° 17.98'	90	6.0	11	1	0	0	0	20	0
7017	4A Edge	8/16	54° 50.08'	-166° 35.00'	108	6.1	28	1	0	0	0	30	0
7018	4A Edge	8/15	54° 50.06'	-166° 52.01'	143	6.0	0	0	9	1	0	0	0
7019	4A Edge	8/15	54° 49.98'	-167° 09.88'	193	6.0	1,257	74	220	26	0	0	0
7021	4A Edge	8/14	55° 00.02'	-166° 33.92'	80	6.0	11	1	0	0	0	20	0
7022	4A Edge	8/15	55° 00.01'	-166° 51.94'	84	6.1	0	0	0	0	0	0	0
7023	4A Edge	6/20	55° 00.00'	-167° 08.84'	95	6.0	574	28	69	8	0	10	0
7024	4A Edge	6/20	55° 00.10'	-167° 27.01'	162	6.0	879	44	114	13	0	0	0
7025	4A Edge	8/14	55° 10.00'	-166° 33.95'	77	6.0	34	2	0	0	0	25	0
7026	4A Edge	8/14	55° 10.02'	-166° 50.86'	79	6.0	44	2	0	0	0	10	0
7027	4A Edge	6/20	55° 10.00'	-167° 09.00'	82	6.0	577	30	21	2	0	20	0
7028	4A Edge	6/25	55° 09.96'	-167° 26.00'	89	6.0	492	28	39	5	0	25	0
7029	4A Edge	6/25	55° 10.02'	-167° 44.06'	167	6.0	286	18	76	8	0	0	0
7030	4A Edge	6/25	55° 20.04'	-167° 44.00'	90	6.0	313	18	71	8	0	100	0
7032	4A Edge	6/21	55° 30.02'	-168° 01.07'	79	6.0	484	29	108	12	0	45	0
7033	4A Edge	6/21	55° 30.16'	-168° 18.97'	133	6.0	13	1	8	1	0	42	0
7034	4A Edge	6/24	55° 40.00'	-168° 36.99'	79	6.1	0	0	30	4	0	25	0
7035	4A Edge	6/24	55° 50.00'	-168° 37.09'	79	6.1	346	12	25	4	0	76	0
7036	4A Edge	6/24	55° 50.00'	-168° 52.00'	159	6.0	613	33	142	16	15	110	0
7037	4A Edge	6/23	56° 00.00'	-168° 18.91'	87	6.1	25	1	78	11	0	146	0
7038	4A Edge	6/23	56° 00.00'	-168° 36.97'	136	6.0	174	11	169	20	0	105	0
7039	4A Edge	7/3	56° 00.03'	-169° 48.18'	144	6.0	153	5	18	3	0	50	0
7040	4A Edge	7/3	55° 59.97'	-170° 06.00'	104	6.0	352	20	109	14	0	75	0
7041	4A Edge	6/22	56° 10.00'	-168° 01.13'	79	6.0	79	5	45	5	0	35	0
7042	4A Edge	6/23	56° 10.00'	-168° 18.98'	89	6.0	157	10	59	7	0	81	0
7043	4A Edge	6/23	56° 10.03'	-168° 37.04'	175	6.0	365	18	53	6	0	130	35
7044	4A Edge	7/4	56° 10.00'	-168° 55.06'	143	6.1	357	23	76	8	0	66	0
7045	4A Edge	7/4	56° 10.02'	-169° 31.00'	273	6.0	1,500	59	29	3	10	0	5
7046	4A Edge	7/3	56° 09.98'	-170° 42.00'	82	6.0	337	18	75	11	0	40	0
7047	4A Edge	6/22	56° 20.00'	-168° 01.00'	77	6.0	231	15	76	10	0	50	0
7048	4A Edge	6/22	56° 20.05'	-168° 19.02'	85	6.0	253	13	106	14	0	15	0
7049	4A Edge	7/4	56° 20.02'	-169° 13.00'	75	6.0	62	3	56	8	0	20	0
6069	Adak	6/10	51° 30.00'	-176° 51.98'	192	6.0	904	41	8	1	20	45	40
6070	Adak	6/9	51° 30.13'	-178° 28.93'	101	6.0	590	23	70	10	0	54	0
6071	Adak	6/8	51° 30.02'	-178° 45.00'	120	6.0	163	8	131	22	10	69	10
6072	Adak	6/11	51° 40.00'	-175° 47.92'	256	6.0	0	0	0	0	45	0	5
6073	Adak	6/11	51° 39.99'	-176° 04.03'	155	5.9	642	32	46	6	5	10	5
6074	Adak	6/11	51° 39.98'	-176° 20.16'	81	5.9	51	4	97	16	0	44	0
6075	Adak	6/10	51° 40.00'	-177° 09.04'	64	6.0	231	13	224	35	0	135	15
6076	Adak	6/10	51° 40.00'	-177° 24.86'	73	6.0	263	13	56	9	0	119	5
6077	Adak	6/9	51° 40.03'	-178° 12.99'	36	5.9	749	30	212	28	0	78	0
6078	Adak	6/9	51° 40.00'	-178° 28.76'	239	6.0	848	30	0	0	25	0	0
6079	Adak	6/13	51° 50.00'	-174° 26.95'	119	6.0	696	41	154	18	0	30	0
6080	Adak	6/13	51° 49.99'	-174° 43.04'	116	5.9	215	10	39	5	0	0	0
6081	Adak	6/12	51° 50.00'	-174° 59.78'	115	6.0	657	33	110	13	0	31	0
6083	Adak	6/12	51° 50.00'	-175° 32.06'	90	5.9	177	9	152	20	0	10	0
6084	Adak	6/11	51° 50.00'	-175° 48.01'	66	5.9	126	9	418	65	0	49	0
6085	Adak	6/14	52° 00.00'	-173° 22.00'	38	6.0	665	22	63	9	0	74	0
6086	Adak	6/14	52° 00.00'	-173° 37.87'	42	5.9	527	19	134	20	0	64	0
6087	Adak	6/14	51° 59.99'	-173° 53.92'	45	5.9	357	9	82	10	0	39	0
6088	Adak	6/13	52° 00.00'	-174° 11.05'	52	6.0	42	3	255	48	0	10	0
6089	Adak	6/13	52° 00.00'	-174° 26.79'	39	6.0	382	13	68	10	0	59	0
6090	Adak	6/12	52° 00.00'	-174° 58.93'	35	6.0	84	3	85	15	0	123	0

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

² Weights calculated from length-weight tables.

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

**2011 IPHC Stock Assessment Survey
All Regions**

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
6091	Adak	6/4	51° 59.99'	-176° 21.01'	81	6.0	318	21	258	35	0	20	0
6093	Adak	5/31	52° 09.93'	-172° 49.00'	78	5.9	1,022	32	107	16	0	128	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0
1038	Oregon	8/10	44° 59.98'	-124° 25.01'	148	5.9	353	17	37	4	64	0	0
1039	Oregon	8/3	45° 00.14'	-124° 39.00'	252	5.9	15	1	0	0	15	0	0
1040	Oregon	8/2	45° 10.11'	-124° 11.00'	72	5.9	50	3	36	4	5	0	0
1041	Oregon	8/2	45° 10.10'	-124° 25.00'	203	5.9	0	0	0	0	44	0	0
1042	Oregon	7/30	45° 20.04'	-124° 11.00'	73	6.0	28	1	0	0	0	0	0
1043	Washington	7/31	45° 19.95'	-124° 24.98'	197	3.1	0	0	0	0	23	0	0
1044	Washington	7/31	45° 20.00'	-124° 39.00'	252	5.9	0	0	0	0	64	0	0
1045	Washington	7/30	45° 30.05'	-124° 11.00'	67	5.9	39	2	10	1	0	0	0
1046	Washington	7/29	45° 30.00'	-124° 25.00'	112	5.9	208	13	44	5	10	0	0
1047	Washington	7/31	45° 29.97'	-124° 39.00'	256	5.9	0	0	0	0	103	0	0
1048	Washington	7/29	45° 39.99'	-124° 10.00'	57	5.9	87	5	0	0	0	0	0
1049	Washington	7/29	45° 40.02'	-124° 25.00'	91	5.9	0	0	10	1	0	0	0
1050	Washington	7/26	45° 40.10'	-124° 39.00'	181	5.6	0	0	0	0	56	0	0
1051	Washington	7/27	45° 50.02'	-124° 10.00'	53	6.0	115	6	22	3	0	0	0
1052	Washington	7/26	45° 50.00'	-124° 24.99'	83	5.8	0	0	0	0	29	0	0
1053	Washington	7/26	45° 49.98'	-124° 39.00'	111	5.9	0	0	9	1	39	0	0
1054	Washington	7/27	46° 00.02'	-124° 10.00'	47	5.8	121	7	36	4	0	0	0
1055	Washington	7/27	45° 59.99'	-124° 24.01'	76	5.9	0	0	0	0	10	0	0
1056	Washington	7/25	46° 00.09'	-124° 39.00'	103	5.9	158	8	0	0	34	0	0
1057	Washington	7/25	46° 09.85'	-124° 39.00'	130	5.9	46	3	0	0	64	0	0
1058	Washington	7/21	46° 19.95'	-124° 24.00'	65	5.9	15	1	11	1	5	0	0
1059	Washington	7/20	46° 29.66'	-124° 23.99'	52	6.0	59	4	40	6	0	0	0
1060	Washington	7/20	46° 39.89'	-124° 24.09'	46	6.0	31	2	17	2	0	0	0
1061	Washington	7/18	46° 39.98'	-124° 37.99'	74	6.0	337	18	44	5	5	0	0
1062	Washington	7/14	46° 50.09'	-124° 23.98'	38	6.0	0	0	0	0	0	0	0
1063	Washington	7/18	46° 49.98'	-124° 38.03'	65	5.9	84	5	70	8	15	0	0
1064	Washington	7/18	46° 49.94'	-124° 53.04'	112	6.0	497	27	200	24	54	0	5
1065	Washington	7/14	47° 00.00'	-124° 24.00'	29	5.9	204	10	6	1	0	0	0
1066	Washington	7/12	46° 59.92'	-124° 38.00'	52	6.0	57	4	44	5	0	0	0
1067	Washington	6/9	47° 00.61'	-124° 53.01'	92	6.0	99	6	0	0	5	0	5
1068	Washington	7/12	47° 10.12'	-124° 24.02'	24	5.8	82	3	0	0	0	0	0
1069	Washington	7/12	47° 09.91'	-124° 38.05'	48	5.8	27	1	14	2	0	0	0

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

² Weights calculated from length-weight tables.

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

2011 IPHC Stock Assessment Survey
All Regions

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#s	Lbs. ²	#s	Sablefish	P. Cod	Rockfish
9504	4A Edge	6/30	56° 30.01'	-169° 13.96'	52	6.0	212	12	94	13	0	45	0
9505	4A Edge	7/2	56° 30.01'	-169° 30.00'	44	6.0	421	19	25	3	0	185	0
9506	4A Edge	7/1	56° 30.01'	-169° 48.88'	47	6.1	312	15	171	25	0	66	0
9507	4A Edge	6/30	56° 35.00'	-169° 22.13'	28	6.0	700	32	143	21	0	65	0
9508	4A Edge	6/30	56° 40.02'	-169° 12.00'	36	6.0	196	13	91	14	0	119	0
9509	4A Edge	7/1	56° 39.97'	-169° 30.00'	43	6.0	368	18	157	21	0	130	0
9510	4A Edge	7/1	56° 40.02'	-169° 48.00'	42	6.0	379	12	54	8	0	65	0
9511	4D Edge	8/2	57° 00.00'	-170° 10.01'	37	6.0	79	3	42	9	0	196	0
9512	4D Edge	8/2	57° 00.09'	-170° 28.95'	32	6.0	323	16	100	14	0	85	0
9513	4D Edge	8/2	57° 04.90'	-170° 03.02'	32	6.0	352	15	457	79	0	20	0
9514	4D Edge	8/4	57° 05.01'	-170° 37.83'	41	6.0	80	5	44	8	0	59	0
9515	4D Edge	8/4	57° 10.29'	-170° 29.48'	31	6.1	265	13	143	24	0	44	0
9516	4D Edge	8/5	57° 15.01'	-170° 19.99'	11	6.0	105	5	22	3	0	15	0
9517	4D Edge	8/5	57° 14.93'	-170° 40.02'	40	6.0	126	6	61	11	0	15	0
9518	4D Edge	8/1	57° 19.92'	-169° 55.52'	31	6.0	178	14	285	48	0	71	0
9519	4D Edge	8/1	57° 19.96'	-170° 12.52'	28	6.0	704	41	512	88	0	0	0
9520	4D Edge	8/1	57° 19.95'	-170° 29.83'	35	6.0	495	27	236	38	0	105	0
7050	4D Edge	8/9	56° 20.02'	-171° 18.81'	78	6.0	138	10	102	14	0	69	0
7051	4D Edge	8/9	56° 29.98'	-171° 37.45'	81	6.0	112	3	53	9	0	35	0
7052	4D Edge	8/9	56° 29.96'	-171° 55.08'	162	6.0	199	12	9	1	0	30	0
7053	4D Edge	8/8	56° 40.20'	-173° 06.39'	81	6.0	48	3	22	3	0	25	0
7054	4D Edge	8/8	56° 50.08'	-173° 24.36'	197	6.0	358	14	17	2	0	40	30
7055	4D Edge	8/8	57° 00.12'	-173° 24.61'	94	6.0	12	1	0	0	0	30	5
7056	4D Edge	8/7	57° 00.08'	-173° 42.94'	262	6.0	88	3	0	0	0	0	0
7057	4D Edge	8/7	57° 10.14'	-173° 43.08'	80	5.9	120	3	12	2	0	15	0
7058	4D Edge	8/7	57° 19.98'	-173° 42.91'	75	6.0	177	10	44	6	0	20	0
7059	4D Edge	8/6	57° 39.99'	-173° 42.59'	74	6.0	13	1	20	3	0	15	0
1004	Oregon	9/3	42° 30.00'	-124° 40.94'	63	6.0	217	10	30	4	0	0	0
1005	Oregon	9/1	42° 40.46'	-124° 39.86'	78	6.0	0	0	0	0	0	0	0
1006	Oregon	8/25	42° 49.94'	-124° 40.01'	45	5.9	220	8	9	1	0	0	0
1007	Oregon	8/25	42° 50.01'	-124° 54.00'	215	6.0	16	1	0	0	65	0	0
1008	Oregon	8/25	42° 59.89'	-124° 40.00'	70	6.0	0	0	0	0	0	0	0
1009	Oregon	8/24	42° 59.94'	-124° 54.00'	211	6.0	39	1	0	0	50	0	5
1010	Oregon	8/24	43° 10.06'	-124° 40.00'	79	5.9	128	4	0	0	0	0	0
1011	Oregon	9/4	43° 19.89'	-124° 40.00'	101	6.0	94	4	7	1	0	0	0
1012	Oregon	8/22	43° 29.98'	-124° 25.95'	61	5.8	325	16	61	7	0	0	0
1013	Oregon	8/22	43° 30.04'	-124° 40.00'	200	6.0	60	3	0	0	69	0	0
1014	Oregon	9/4	43° 39.89'	-124° 25.99'	67	6.0	101	6	0	0	0	0	0
1015	Oregon	8/22	43° 40.00'	-124° 40.00'	224	6.0	53	2	0	0	45	0	0
1016	Oregon	9/5	43° 49.96'	-124° 26.00'	67	6.0	0	0	0	0	0	0	0
1017	Oregon	8/21	43° 50.03'	-124° 40.00'	193	6.0	88	4	0	0	105	0	0
1018	Oregon	8/18	43° 59.84'	-124° 26.00'	68	6.0	11	1	10	1	0	0	0
1019	Oregon	8/21	44° 00.09'	-124° 40.00'	74	6.0	0	0	11	1	0	0	0
1020	Oregon	8/17	44° 00.04'	-124° 54.00'	49	5.5	799	26	5	1	0	0	32
1021	Oregon	8/18	44° 09.98'	-124° 11.98'	30	6.0	20	1	0	0	0	0	0
1022	Oregon	8/16	44° 09.96'	-124° 25.99'	55	6.0	12	1	0	0	0	0	0
1023	Oregon	8/16	44° 09.95'	-124° 40.01'	64	6.0	11	1	5	1	0	0	0
1024	Oregon	8/17	44° 10.00'	-124° 54.01'	68	5.9	410	17	43	5	0	0	29
1025	Oregon	8/6	44° 20.02'	-124° 12.01'	30	6.0	106	5	0	0	0	0	0
1026	Oregon	8/7	44° 20.02'	-124° 26.02'	49	5.8	133	7	0	0	0	0	0
1027	Oregon	8/16	44° 20.06'	-124° 39.99'	52	3.5	779	34	38	5	0	0	4
1028	Oregon	8/6	44° 29.98'	-124° 12.00'	31	5.8	389	15	13	2	0	0	0
1029	Oregon	8/7	44° 29.99'	-124° 40.00'	111	6.0	113	7	58	7	25	0	0
1030	Oregon	8/15	44° 39.88'	-124° 10.98'	33	6.0	222	10	10	1	0	0	0
1031	Oregon	8/15	44° 39.98'	-124° 25.01'	52	6.0	61	3	15	2	0	0	5
1032	Oregon	8/9	44° 39.86'	-124° 40.01'	154	5.8	89	5	10	1	92	0	0
1033	Oregon	8/9	44° 39.93'	-124° 54.01'	284	5.9	0	0	0	0	88	0	0
1034	Oregon	8/15	44° 50.05'	-124° 11.00'	43	5.9	143	7	11	1	0	0	0
1035	Oregon	8/10	44° 49.92'	-124° 25.00'	82	6.0	1,052	73	403	47	20	0	0
1036	Oregon	8/10	44° 50.11'	-124° 39.01'	187	5.8	96	5	0	0	102	0	0
1037	Oregon	8/2	44° 59.97'	-124° 11.01'	61	5.9	28	2	25	3	0	0	0
1038	Oregon	8/10	44° 59.98'	-124° 25.01'	148	5.9	353	17	37	4	64	0	0
1039	Oregon	8/3	45° 00.14'	-124° 39.00'	252	5.9	15	1	0	0	15	0	0
1040	Oregon	8/2	45° 10.11'	-124° 11.00'	72	5.9	50	3	36	4	5	0	0
1041	Oregon	8/2	45° 10.10'	-124° 25.00'	203	5.9	0	0	0	0	44	0	0
1042	Oregon	7/30	45° 20.04'	-124° 11.00'	73	6.0	28	1	0	0	0	0	0
1043	Washington	7/31	45° 19.95'	-124° 24.98'	197	3.1	0	0	0	0	23	0	0
1044	Washington	7/31	45° 20.00'	-124° 39.00'	252	5.9	0	0	0	0	64	0	0

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

² Weights calculated from length-weight tables.

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

2011 IPHC Stock Assessment Survey All Regions

20 of 20

Station	Region	Date Fished	Latitude	Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
							Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
9523	4D Edge	7/9	60° 20.00'	-172° 04.21'	31	6.0	0	0	0	0	0	15	0
9524	4D Edge	7/11	60° 20.03'	-172° 46.00'	11	6.0	39	2	0	0	0	5	0
9525	4D Edge	7/11	60° 20.01'	-173° 04.00'	28	6.0	0	0	0	0	0	5	0
9526	4D Edge	7/9	60° 29.99'	-172° 26.03'	29	6.1	0	0	0	0	0	10	0
9527	4D Edge	7/10	60° 29.93'	-172° 45.01'	19	6.0	590	10	3	1	0	130	0
9528	4D Edge	7/11	60° 30.03'	-173° 07.00'	13	6.0	129	4	0	0	0	0	0
9530	4D Edge	7/10	60° 39.96'	-172° 46.99'	23	6.0	17	1	9	2	0	140	0
1299 Total Effective Stations						Totals	662,497	33,933	318,720	42,602	19,504	51,372	8,608

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

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