

2016 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4001	7/24	57° 49.95'	-137° 13.00'	172	6.0	297	12	44	5	124	0	25
4002	7/17	58° 00.12'	-136° 54.00'	228	6.0	0	0	0	0	74	0	10
4003	7/24	57° 59.96'	-137° 12.00'	107	5.9	4,094	245	550	56	0	5	5
4004	7/24	58° 00.01'	-137° 31.04'	88	5.9	5,137	258	455	50	0	0	15
4005	7/23	58° 00.02'	-137° 49.98'	99	5.9	1,601	96	772	90	0	0	34
4006	7/16	58° 09.98'	-136° 55.01'	111	6.0	785	37	50	6	50	0	10
4007	7/20	58° 10.02'	-137° 10.97'	64	6.0	3,720	186	952	107	0	0	0
4008	7/20	58° 10.01'	-137° 29.98'	77	6.0	447	27	249	29	0	0	0
4009	7/23	58° 09.99'	-137° 49.02'	84	6.0	730	35	90	10	0	0	0
4010	7/23	58° 10.02'	-138° 08.00'	80	5.9	272	14	121	15	0	0	0
4011	7/22	58° 10.00'	-138° 27.04'	88	5.8	2,445	111	329	39	0	0	29
4012	8/4	58° 09.96'	-138° 46.00'	105	5.9	981	34	157	20	0	0	15
4013	7/20	58° 20.00'	-137° 10.00'	91	6.0	0	0	0	0	0	0	0
4014	7/20	58° 20.01'	-137° 29.02'	101	6.0	0	0	0	0	0	0	0
4015	7/21	58° 20.00'	-137° 48.13'	94	5.9	46	2	0	0	0	0	0
4016	7/22	58° 20.00'	-138° 06.99'	71	5.9	33	1	0	0	0	0	0
4017	7/22	58° 19.99'	-138° 25.99'	71	5.9	0	0	0	0	0	0	0
4018	8/4	58° 20.01'	-138° 46.03'	65	6.0	265	9	172	25	0	0	0
4019	8/4	58° 20.00'	-139° 05.02'	59	6.1	958	38	376	46	0	0	61
4020	8/15	58° 20.02'	-139° 24.00'	150	6.0	1,990	82	46	5	50	0	50
4021	7/21	58° 28.48'	-137° 30.42'	79	5.9	0	0	0	0	0	0	0
4022	7/21	58° 30.00'	-137° 46.84'	84	5.9	0	0	0	0	0	0	0
4023	8/6	58° 30.00'	-138° 06.99'	73	5.9	468	25	104	14	0	0	0
4024	8/5	58° 30.00'	-138° 26.00'	64	6.0	74	3	0	0	0	0	5
4025	8/5	58° 29.96'	-138° 45.01'	54	6.0	437	15	142	20	0	0	15
4026	8/14	58° 30.00'	-139° 04.06'	55	6.0	44	3	232	35	0	0	75
4027	8/15	58° 29.96'	-139° 22.95'	93	6.1	1,877	82	422	49	0	5	20
4028	8/15	58° 29.98'	-139° 41.97'	135	6.0	1,051	48	99	11	15	0	0
4029	8/6	58° 40.00'	-138° 06.10'	49	6.0	2,711	80	85	12	0	0	25
4030	8/5	58° 40.02'	-138° 24.97'	71	6.0	32	2	78	10	0	0	0
4031	8/5	58° 40.00'	-138° 43.99'	54	6.0	440	12	91	14	0	0	10
4032	8/14	58° 40.05'	-139° 04.01'	83	6.0	906	59	657	81	0	0	10
4033	8/14	58° 40.04'	-139° 23.04'	138	6.1	224	10	7	1	35	0	0
4034	8/13	58° 40.01'	-139° 42.07'	102	6.1	581	22	40	5	0	0	0
4035	8/13	58° 40.00'	-140° 00.95'	104	6.1	2,635	92	415	49	5	0	0
4036	8/7	58° 49.99'	-138° 05.00'	29	6.0	365	14	104	18	0	0	0
4037	8/7	58° 50.00'	-138° 24.02'	39	6.0	1,021	29	37	4	0	0	15
4038	8/8	58° 50.03'	-138° 44.00'	66	6.0	13	1	0	0	0	0	0
4039	8/8	58° 49.97'	-139° 02.99'	105	6.1	268	14	42	5	0	0	0
4040	8/12	58° 50.03'	-139° 21.98'	73	5.9	303	10	11	1	0	0	0
4041	8/12	58° 49.97'	-139° 41.97'	88	6.0	353	11	26	3	0	0	5
4042	8/13	58° 50.01'	-140° 01.02'	95	6.0	909	28	296	38	0	0	15
4043	8/7	59° 00.02'	-138° 24.01'	33	6.0	643	18	258	37	0	0	0
4044	8/8	59° 00.03'	-138° 43.02'	86	6.0	175	5	16	2	0	0	0
4045	8/11	59° 00.00'	-139° 02.02'	55	6.1	20	1	0	0	0	0	0
4046	8/11	59° 00.03'	-139° 22.18'	60	6.0	0	0	0	0	0	0	0
4047	8/12	59° 00.03'	-139° 41.01'	66	6.1	925	30	281	36	0	0	0
4048	8/11	59° 10.00'	-139° 01.96'	29	6.0	34	2	98	14	0	0	0
4049	8/11	59° 10.00'	-139° 21.21'	53	6.0	0	0	0	0	0	0	0
4051	7/17	58° 50.03'	-140° 20.01'	99	6.0	1,787	53	255	32	5	10	10
4052	7/17	58° 49.99'	-140° 39.98'	105	6.0	4,154	130	413	52	15	10	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

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Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4053	7/16	59° 00.00'	-140° 01.04'	72	6.0	1,515	51	451	62	0	0	5
4054	7/17	59° 00.03'	-140° 20.10'	84	6.0	1,787	47	273	34	0	20	10
4055	7/18	59° 00.02'	-140° 39.26'	97	6.0	2,235	68	436	57	0	0	0
4056	7/18	59° 00.01'	-140° 58.98'	103	6.0	2,067	90	507	65	0	20	0
4057	7/16	59° 10.01'	-139° 41.22'	69	6.0	306	19	491	65	0	0	0
4058	7/15	59° 09.98'	-139° 59.91'	63	6.0	758	28	555	82	0	0	0
4059	7/16	59° 10.06'	-140° 20.07'	70	6.0	1,405	43	313	44	0	0	0
4060	7/18	59° 10.24'	-140° 39.93'	81	6.0	738	29	497	67	10	0	0
4061	7/19	59° 10.05'	-140° 58.97'	98	6.0	1,459	46	303	41	5	30	0
4062	7/19	59° 09.98'	-141° 18.03'	185	6.0	300	12	30	3	50	0	15
4063	7/20	59° 10.00'	-141° 38.11'	120	6.0	3,687	185	176	19	30	20	45
4064	7/15	59° 20.01'	-139° 40.01'	85	6.0	168	7	11	1	5	0	0
4065	7/15	59° 19.99'	-140° 00.02'	87	6.0	201	9	26	3	0	0	0
4066	7/24	59° 20.00'	-140° 20.11'	73	6.0	2,773	78	479	67	0	0	0
4067	7/24	59° 20.01'	-140° 39.12'	80	6.0	788	19	328	45	15	0	0
4068	7/19	59° 19.88'	-140° 58.99'	86	6.0	2,091	89	487	64	0	0	0
4069	7/19	59° 20.19'	-141° 18.05'	181	6.0	298	13	55	7	105	0	5
4070	7/20	59° 19.97'	-141° 38.23'	102	6.0	2,616	123	461	55	0	0	0
4071	7/20	59° 19.94'	-141° 57.62'	116	6.0	1,951	98	386	48	5	20	5
4072	7/23	59° 30.00'	-140° 00.10'	61	6.0	18	1	0	0	0	0	0
4073	7/24	59° 29.97'	-140° 19.01'	126	6.0	2,130	74	122	14	60	5	45
4074	7/24	59° 29.95'	-140° 38.96'	155	6.0	352	17	49	6	20	0	25
4075	7/25	59° 29.94'	-140° 59.04'	164	6.0	326	16	55	6	69	0	25
4076	7/26	59° 30.01'	-141° 19.07'	92	6.0	191	10	29	4	5	0	0
4077	7/26	59° 30.01'	-141° 37.97'	91	6.0	58	3	9	1	5	0	0
4078	7/27	59° 29.99'	-141° 57.97'	99	6.0	233	7	18	2	0	0	0
4079	7/23	59° 40.02'	-139° 59.06'	79	6.0	427	14	63	7	0	25	0
4080	7/25	59° 40.13'	-140° 59.12'	30	6.0	182	4	40	5	0	0	0
4081	7/25	59° 40.03'	-141° 19.06'	36	6.0	76	5	7	1	0	0	0
4082	7/26	59° 40.01'	-141° 38.20'	52	6.0	112	1	0	0	0	0	0
4083	7/28	59° 40.00'	-141° 57.99'	81	6.0	48	3	0	0	0	0	0
4084	7/29	59° 40.02'	-142° 18.06'	120	6.0	1,388	59	135	17	15	0	0
4085	7/29	59° 39.98'	-142° 37.88'	215	6.0	450	19	20	2	99	0	35
4086	8/3	59° 39.98'	-142° 58.09'	111	6.0	2,800	132	494	59	15	20	0
4087	8/3	59° 40.01'	-143° 16.75'	147	6.0	2,061	76	90	11	90	5	30
4088	8/4	59° 39.99'	-143° 37.20'	80	6.0	2,704	105	594	75	5	5	15
4089	8/4	59° 40.03'	-143° 57.01'	70	6.0	2,213	89	452	57	0	0	0
4090	8/5	59° 40.03'	-144° 17.00'	88	6.0	1,148	45	168	22	0	0	0
4091	8/5	59° 39.95'	-144° 37.19'	80	6.0	849	39	174	24	0	0	0
4092	7/28	59° 50.00'	-141° 59.06'	38	6.0	116	6	66	10	0	0	0
4093	7/28	59° 49.98'	-142° 18.07'	48	6.0	2,256	64	161	22	0	0	10
4094	7/29	59° 50.01'	-142° 38.02'	90	6.0	1,188	31	74	11	0	0	0
4095	8/2	59° 50.03'	-142° 58.10'	94	6.0	863	34	58	8	5	0	0
4096	8/3	59° 49.95'	-143° 18.07'	121	6.0	1,154	49	148	20	5	0	0
4097	8/4	59° 49.99'	-143° 38.24'	156	6.0	604	22	4	1	45	15	94
4098	8/5	59° 50.04'	-143° 58.03'	52	6.0	398	14	191	25	0	0	0
4099	8/5	59° 50.04'	-144° 18.12'	34	6.0	690	27	300	42	0	45	0
4100	8/2	59° 59.99'	-142° 38.32'	44	6.0	193	6	38	6	0	0	0
4101	8/2	60° 00.02'	-142° 59.28'	62	6.0	307	12	26	3	0	5	0
4102	7/11	59° 20.00'	-146° 16.21'	153	6.0	591	33	121	13	35	5	35
4103	7/11	59° 20.00'	-146° 35.05'	80	6.0	351	18	349	45	0	10	0

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						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4104	7/11	59° 20.00'	-146° 55.03'	105	6.0	416	27	336	43	5	0	5
4105	6/26	59° 20.02'	-147° 15.25'	101	6.0	407	26	212	26	10	0	0
4106	7/6	59° 29.99'	-145° 16.04'	73	6.0	971	43	424	53	0	0	124
4107	7/6	59° 30.00'	-145° 55.08'	90	6.0	1,561	102	483	54	10	0	0
4108	7/13	59° 29.99'	-146° 35.41'	51	6.0	319	13	282	36	0	0	0
4109	7/13	59° 29.99'	-146° 54.20'	100	6.0	41	3	33	4	5	0	0
4110	7/12	59° 30.00'	-147° 14.38'	117	6.0	43	1	26	3	20	0	5
4111	7/12	59° 30.00'	-147° 34.15'	62	6.0	185	10	58	7	0	0	0
4112	7/6	59° 40.03'	-145° 34.34'	57	6.0	96	4	53	6	0	0	0
4113	7/15	59° 40.00'	-145° 54.37'	44	6.0	2,322	97	747	90	0	0	15
4114	7/15	59° 40.00'	-146° 13.98'	46	6.0	529	18	279	41	0	0	0
4115	7/13	59° 40.00'	-146° 34.59'	48	6.0	966	43	470	64	0	0	15
4116	7/13	59° 40.01'	-146° 53.29'	61	6.0	48	3	17	2	0	0	0
4117	7/12	59° 40.00'	-147° 13.50'	87	6.0	734	43	304	34	0	0	40
4118	7/12	59° 40.00'	-147° 33.61'	65	6.0	1,174	66	217	27	0	0	0
4119	7/10	59° 50.00'	-144° 58.05'	108	6.0	1,176	45	132	16	0	54	0
4120	7/15	59° 49.98'	-145° 53.70'	56	6.0	83	3	75	9	0	0	0
4121	7/7	59° 49.97'	-146° 12.98'	34	6.0	398	22	667	91	0	0	0
4122	7/7	59° 50.01'	-146° 33.41'	37	6.0	1,597	58	309	41	0	0	30
4123	7/14	59° 50.00'	-146° 53.43'	43	6.0	199	14	1,063	155	0	0	0
4124	7/14	59° 50.00'	-147° 13.05'	79	6.0	1,563	98	792	91	0	5	0
4125	7/10	60° 00.00'	-144° 39.19'	125	6.0	983	44	42	5	25	40	0
4126	7/10	60° 00.00'	-144° 59.26'	71	6.0	1,274	65	230	27	0	0	0
4127	7/10	60° 00.00'	-145° 18.51'	66	6.0	571	30	132	15	0	0	0
4128	7/7	59° 59.99'	-146° 11.99'	35	6.0	1,875	69	395	52	0	0	0
4129	7/7	59° 59.98'	-146° 32.20'	36	6.0	196	9	402	66	0	0	0
4130	7/14	60° 00.00'	-146° 52.18'	77	6.0	252	10	60	7	5	5	0
4131	7/14	60° 00.00'	-147° 11.80'	102	6.0	1,459	79	300	33	0	30	0
4132	7/22	60° 09.98'	-145° 31.40'	50	6.0	623	34	188	24	0	0	0
4133	7/22	60° 10.00'	-145° 50.99'	59	6.0	877	45	117	15	0	5	0
4134	7/22	60° 10.01'	-146° 10.77'	43	6.0	734	38	488	64	0	0	0
4135	7/21	60° 10.02'	-147° 31.23'	37	6.0	393	20	337	45	0	0	15
4136	7/21	60° 09.89'	-147° 51.02'	186	6.0	544	28	444	61	0	10	0
4137	7/21	60° 20.00'	-147° 30.92'	65	6.0	1,202	58	168	19	0	25	15
4138	7/18	60° 30.00'	-146° 29.48'	34	6.0	740	35	594	87	0	0	0
4139	7/18	60° 29.98'	-146° 49.04'	217	6.0	1,706	82	137	19	30	0	5
4140	7/19	60° 29.88'	-147° 10.04'	100	6.0	717	47	348	41	0	15	0
4141	7/19	60° 30.00'	-147° 30.22'	111	6.0	258	16	164	21	0	25	20
4142	7/20	60° 29.07'	-147° 50.04'	257	6.0	754	31	258	36	10	0	40
4143	7/18	60° 40.00'	-146° 49.03'	226	6.0	1,997	120	463	54	0	15	0
4144	7/19	60° 40.09'	-147° 09.10'	136	6.0	733	40	349	48	5	45	5
4145	7/19	60° 49.98'	-147° 08.00'	177	6.0	1,385	68	374	48	0	40	20
4146	7/20	60° 50.05'	-148° 10.00'	162	6.0	593	26	45	7	0	0	10
4147	6/20	58° 40.02'	-148° 33.89'	129	6.0	605	38	183	20	65	0	0
4148	6/16	58° 40.01'	-148° 53.05'	92	6.0	349	23	329	41	5	25	0
4149	6/20	58° 50.02'	-148° 14.96'	150	6.0	885	55	254	31	50	0	5
4150	6/20	58° 50.00'	-148° 33.86'	159	6.0	272	17	112	12	66	0	18
4151	6/16	58° 50.01'	-148° 52.97'	139	6.0	469	32	59	7	89	0	59
4152	6/16	58° 50.01'	-149° 12.08'	112	6.0	881	53	198	22	72	10	0
4153	6/25	59° 00.01'	-147° 54.87'	245	6.0	259	15	50	6	105	0	0
4154	6/25	59° 00.01'	-148° 14.07'	119	6.0	1,591	90	337	37	35	50	5

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						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4155	6/24	59° 00.01'	-148° 33.74'	133	6.0	443	26	102	11	50	5	0
4156	6/24	59° 00.00'	-148° 53.02'	117	6.0	412	25	231	26	15	5	0
4157	6/15	59° 00.01'	-149° 11.98'	118	6.0	400	26	181	20	20	0	0
4158	6/15	59° 00.01'	-149° 32.10'	127	6.0	406	24	194	22	50	5	5
4159	6/26	59° 10.02'	-147° 34.77'	141	6.0	1,026	66	202	23	40	30	15
4160	6/25	59° 10.00'	-147° 53.77'	112	5.9	1,553	83	489	57	10	25	0
4161	6/25	59° 10.00'	-148° 14.05'	67	6.0	1,037	54	421	52	0	0	74
4162	6/24	59° 10.02'	-148° 32.96'	83	6.0	477	29	349	45	5	10	0
4163	6/24	59° 10.00'	-148° 53.03'	98	6.0	148	6	20	2	0	0	0
4164	6/15	59° 10.01'	-149° 12.14'	85	6.0	959	50	145	18	5	5	15
4165	6/15	59° 10.00'	-149° 32.18'	86	6.0	411	25	243	31	0	35	0
4166	5/30	59° 10.00'	-149° 50.84'	74	6.0	219	11	48	6	0	0	0
4167	6/26	59° 20.00'	-147° 34.20'	68	6.0	1,512	84	530	67	0	0	25
4168	6/23	59° 20.01'	-147° 53.83'	100	6.0	1,984	100	204	23	5	0	0
4169	6/23	59° 20.01'	-148° 12.77'	86	6.0	984	48	164	20	0	5	0
4170	7/3	59° 19.98'	-148° 32.87'	50	6.0	1,878	60	538	65	0	5	45
4171	7/3	59° 20.00'	-148° 53.33'	91	6.0	1,037	54	48	5	0	0	0
4172	6/27	59° 19.98'	-149° 12.23'	123	6.0	631	28	38	4	0	15	0
4173	6/27	59° 20.01'	-149° 32.05'	68	6.0	1,968	106	558	67	0	0	0
4174	6/28	59° 20.01'	-149° 51.20'	104	6.0	511	28	67	9	0	0	0
4175	6/28	59° 19.96'	-150° 10.98'	87	6.0	1,036	56	286	33	0	15	0
4176	6/23	59° 30.00'	-147° 53.24'	61	6.0	447	24	259	32	0	0	0
4177	6/23	59° 30.01'	-148° 12.87'	114	5.9	107	5	18	2	0	0	0
4178	7/3	59° 29.99'	-148° 33.20'	52	6.0	852	38	874	121	0	0	0
4179	7/3	59° 30.00'	-148° 51.88'	90	6.0	65	3	50	7	0	0	0
4180	6/27	59° 30.00'	-149° 12.23'	124	6.0	1,309	67	443	50	5	30	0
4181	6/27	59° 30.01'	-149° 32.15'	57	6.0	206	14	780	114	0	5	0
4182	6/28	59° 30.02'	-149° 52.20'	110	6.0	1,174	58	227	26	0	5	0
4183	6/28	59° 30.01'	-150° 10.72'	72	6.0	184	12	52	6	10	15	0
4184	7/5	59° 40.01'	-147° 53.21'	36	5.9	1,965	80	646	80	0	0	29
4185	7/5	59° 39.98'	-148° 13.00'	67	6.0	90	6	129	16	0	0	0
4186	7/4	59° 39.99'	-148° 32.24'	113	6.0	51	1	35	5	5	15	0
4187	7/4	59° 40.00'	-148° 51.94'	96	6.0	85	5	50	6	0	5	0
4188	7/2	59° 40.00'	-149° 12.13'	113	6.0	736	38	123	14	0	15	0
4189	7/2	59° 39.91'	-149° 31.98'	150	5.9	301	17	209	24	0	49	0
4190	7/5	59° 49.99'	-148° 12.50'	47	6.0	381	16	302	43	0	10	0
4191	7/4	59° 50.00'	-148° 31.93'	73	6.0	192	9	34	4	0	0	0
4192	7/4	59° 50.00'	-148° 52.06'	92	6.0	95	5	39	5	5	0	0
4193	7/2	59° 50.02'	-149° 12.48'	75	6.0	936	44	251	34	0	0	0
4194	7/2	59° 50.00'	-149° 32.69'	66	6.0	390	17	78	11	0	5	0
4195	6/19	58° 00.51'	-149° 09.95'	74	5.9	2,707	176	1,126	128	0	0	30
4196	6/19	58° 09.86'	-148° 54.45'	69	6.0	1,736	113	580	69	0	0	15
4197	6/19	58° 09.96'	-149° 13.06'	63	6.0	1,992	123	520	60	0	0	20
4198	6/18	58° 09.92'	-149° 32.02'	59	6.0	591	43	499	66	0	0	25
4199	6/18	58° 09.63'	-149° 51.08'	76	6.0	459	30	926	115	0	0	15
4200	6/17	58° 20.00'	-148° 35.75'	91	6.0	905	53	573	73	5	25	0
4201	6/17	58° 20.01'	-148° 54.12'	68	6.0	621	44	809	99	0	0	20
4202	6/8	58° 20.01'	-149° 13.18'	86	6.0	1,438	101	624	70	0	10	0
4203	6/8	58° 20.01'	-149° 31.72'	82	6.0	915	66	528	61	0	0	0
4204	6/18	58° 19.98'	-149° 51.09'	41	6.0	899	60	1,211	147	0	0	0
4205	6/10	58° 20.00'	-150° 10.12'	29	6.0	1,661	102	1,387	172	0	0	0

¹ Standard skate =1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.² Weights are calculated from length-weight tables.³ Bycatch numbers extrapolated from 20% subsample.

2016 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4206	6/9	58° 20.00'	-150° 28.84'	31	6.0	162	9	809	120	0	5	0
4207	6/17	58° 29.99'	-148° 34.22'	73	6.0	1,526	101	905	109	0	0	5
4208	6/17	58° 30.01'	-148° 52.95'	61	6.0	1,410	82	844	108	0	0	10
4209	6/8	58° 29.99'	-149° 13.06'	67	6.0	867	56	677	84	0	5	0
4210	6/8	58° 30.01'	-149° 32.05'	77	6.0	683	46	465	58	0	0	0
4211	6/10	58° 30.01'	-149° 50.83'	77	6.0	632	43	877	104	0	0	0
4212	6/10	58° 30.01'	-150° 09.76'	51	6.0	695	45	509	66	0	0	0
4213	6/9	58° 30.02'	-150° 28.77'	49	6.0	81	7	616	86	0	0	0
4214	6/9	58° 29.98'	-150° 47.81'	56	6.0	333	22	564	67	0	0	0
4215	6/16	58° 40.01'	-149° 13.16'	74	6.0	626	44	682	87	10	0	0
4216	6/7	58° 40.00'	-149° 31.95'	72	6.0	244	17	532	67	0	0	0
4217	6/12	58° 40.02'	-149° 51.09'	83	6.0	425	31	640	77	5	25	0
4218	6/12	58° 40.00'	-150° 10.07'	69	6.0	1,286	79	777	96	0	5	0
4219	6/11	58° 40.00'	-150° 29.36'	111	6.0	298	21	155	19	0	0	0
4220	6/11	58° 40.01'	-150° 49.08'	111	6.0	367	25	394	46	0	45	0
4221	6/3	58° 40.00'	-151° 07.45'	102	6.0	167	12	169	21	5	0	0
4222	6/7	58° 50.00'	-149° 32.02'	121	6.0	1,641	94	319	35	50	0	0
4224	6/12	58° 50.00'	-150° 10.16'	88	6.0	579	41	552	66	15	5	15
4225	6/11	58° 50.01'	-150° 30.36'	95	6.0	527	39	532	61	0	59	0
4226	6/4	58° 50.00'	-150° 48.57'	96	6.0	91	4	91	10	0	5	0
4227	6/3	58° 50.02'	-151° 07.78'	78	6.0	727	47	665	80	0	0	0
4228	6/3	58° 50.00'	-151° 27.91'	58	6.0	345	25	423	54	0	0	15
4229	5/30	59° 00.01'	-149° 51.23'	122	6.0	472	30	155	19	0	0	0
4230	5/30	59° 00.01'	-150° 11.43'	103	6.0	154	11	200	23	0	0	0
4231	6/4	59° 00.00'	-150° 30.07'	64	6.0	84	6	128	16	0	0	0
4232	6/4	58° 59.99'	-150° 50.14'	88	6.0	807	53	736	85	0	0	0
4233	6/2	58° 59.99'	-151° 08.77'	82	6.0	1,074	64	477	55	0	10	20
4234	6/2	59° 00.00'	-151° 27.88'	69	5.9	531	31	678	84	0	5	0
4235	5/30	59° 10.00'	-150° 11.22'	68	6.0	312	20	233	28	0	0	5
4236	6/1	59° 10.01'	-150° 30.34'	65	6.0	202	13	329	45	0	25	0
4237	6/1	59° 10.00'	-150° 50.83'	54	6.0	1,004	48	674	87	0	0	24
4238	6/2	59° 10.00'	-151° 08.63'	29	6.0	710	48	1,060	141	0	0	5
4239	6/1	59° 19.89'	-150° 33.73'	142	6.0	57	1	0	0	0	0	0
4240	7/28	57° 19.99'	-150° 46.39'	81	5.9	1,184	70	533	66	0	59	5
4241	6/16	57° 30.13'	-150° 08.97'	242	6.0	25	2	27	3	84	0	10
4242	6/15	57° 30.00'	-150° 27.95'	81	6.0	552	36	522	64	0	25	0
4243	6/15	57° 29.95'	-150° 46.03'	52	5.9	917	50	1,171	148	0	5	0
4244	6/16	57° 40.05'	-149° 50.15'	219	6.0	46	3	30	3	59	0	10
4245	6/16	57° 39.86'	-150° 08.97'	117	6.0	859	55	411	46	64	25	0
4246	6/8	57° 40.19'	-150° 27.99'	50	6.0	275	19	826	117	0	15	0
4247	6/15	57° 39.97'	-150° 47.03'	46	6.0	2,355	128	1,295	156	0	5	0
4248	6/19	57° 39.90'	-151° 05.07'	40	6.0	735	51	989	132	0	5	0
4249	7/21	57° 39.97'	-151° 24.00'	34	6.0	228	10	675	106	0	0	0
4250	6/17	57° 50.16'	-149° 32.08'	174	6.0	1,835	110	269	28	50	5	5
4251	6/17	57° 50.06'	-149° 50.00'	140	5.9	359	22	193	23	10	0	0
4252	6/8	57° 50.01'	-150° 08.93'	106	6.0	306	21	472	58	0	20	0
4253	6/8	57° 49.91'	-150° 27.95'	50	6.0	1,886	112	1,241	159	0	0	5
4254	6/5	57° 49.89'	-150° 47.01'	45	6.0	348	23	944	124	0	0	0
4255	6/5	57° 50.02'	-151° 05.76'	39	6.0	1,277	53	1,250	178	0	25	0
4256	6/4	57° 49.98'	-151° 24.04'	28	6.0	422	17	986	158	0	5	0
4257	6/4	57° 49.89'	-151° 42.97'	29	6.0	126	7	1,057	177	0	20	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2016 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4258	6/1	57° 50.00'	-152° 02.03'	50	5.8	488	28	718	104	0	34	0
4259	6/17	57° 59.89'	-149° 32.06'	77	6.0	924	57	904	108	0	15	0
4260	6/18	57° 59.82'	-149° 50.96'	128	6.0	1,079	73	740	83	35	25	0
4261	6/18	58° 00.17'	-150° 08.87'	128	6.0	331	26	677	79	22	38	0
4262	6/9	58° 00.23'	-150° 27.98'	91	6.0	218	17	453	57	5	30	5
4263	6/5	57° 59.97'	-150° 47.13'	70	5.9	359	25	979	125	0	5	0
4264	6/5	57° 59.97'	-151° 06.03'	44	6.0	425	27	1,192	167	0	0	0
4265	6/3	58° 00.11'	-151° 24.98'	45	6.0	243	17	1,038	144	0	25	0
4266	6/4	57° 59.86'	-151° 43.99'	61	6.0	376	25	1,324	168	0	44	0
4267	6/1	58° 00.00'	-152° 03.04'	50	6.0	1,034	61	458	57	10	15	0
4268	6/1	57° 59.95'	-152° 21.75'	124	5.9	514	24	169	22	5	49	0
4269	6/18	58° 08.60'	-150° 09.98'	109	6.0	1,092	77	938	108	0	15	10
4270	6/9	58° 09.93'	-150° 29.05'	63	6.0	1,286	75	1,279	172	0	0	0
4271	6/9	58° 09.98'	-150° 47.66'	61	6.0	86	6	350	49	0	0	0
4272	6/3	58° 09.95'	-151° 07.14'	78	6.0	406	28	349	42	0	5	0
4273	6/3	58° 10.00'	-151° 24.74'	87	6.0	778	46	602	73	0	10	0
4274	6/2	58° 09.95'	-151° 42.11'	35	6.0	1,394	66	505	66	0	0	0
4275	6/10	58° 20.02'	-150° 48.10'	36	6.0	48	4	305	48	0	0	0
4276	6/10	58° 20.05'	-151° 07.04'	70	5.9	356	26	730	93	0	25	0
4277	6/2	58° 20.00'	-151° 26.24'	38	6.0	303	23	721	100	0	0	0
4278	6/2	58° 20.02'	-151° 44.94'	29	5.9	2,592	118	574	69	0	0	0
4279	6/10	58° 30.02'	-151° 06.91'	50	6.0	139	8	852	113	0	0	0
4280	6/11	58° 29.84'	-151° 27.05'	94	6.0	770	50	946	111	0	5	0
4281	6/11	58° 30.05'	-151° 45.89'	96	6.0	1,368	78	605	70	5	0	0
4282	6/11	58° 39.89'	-151° 26.98'	102	6.0	887	51	588	69	15	15	0
4283	6/12	58° 39.98'	-151° 48.08'	69	6.0	1,470	87	1,138	136	0	5	0
4284	6/12	58° 40.01'	-152° 05.95'	70	6.0	1,062	75	844	107	0	0	0
4285	6/12	58° 48.87'	-152° 05.96'	65	6.0	741	36	659	86	0	5	35
4286	7/24	56° 19.99'	-152° 50.37'	59	5.9	1,762	111	725	94	0	0	15
4287	7/24	56° 19.97'	-153° 07.57'	57	6.0	320	21	243	32	0	25	0
4288	6/24	56° 19.96'	-153° 25.98'	33	6.0	810	37	341	44	0	0	0
4289	8/2	56° 30.07'	-152° 15.34'	138	5.9	295	20	398	47	5	10	25
4290	8/2	56° 30.12'	-152° 33.05'	145	5.9	661	34	239	27	39	5	5
4291	6/22	56° 30.00'	-152° 51.11'	28	6.0	2,525	103	656	83	0	0	0
4292	7/24	56° 29.97'	-153° 08.19'	40	5.9	301	22	451	60	0	54	0
4293	6/24	56° 29.98'	-153° 27.12'	49	6.0	794	43	871	122	0	10	0
4294	6/24	56° 30.01'	-153° 44.80'	38	6.0	1,602	70	210	27	0	54	5
4295	7/30	56° 40.20'	-151° 57.11'	31	6.0	3,972	197	985	114	0	0	0
4296	8/2	56° 40.00'	-152° 15.63'	27	6.0	1,756	89	345	44	0	0	0
4297	8/2	56° 39.97'	-152° 33.78'	81	5.9	621	45	606	75	10	0	0
4298	6/22	56° 39.91'	-152° 51.97'	38	6.0	576	32	993	156	0	0	0
4299	6/22	56° 39.92'	-153° 09.93'	81	5.9	151	8	36	5	0	0	0
4300	6/23	56° 40.09'	-153° 27.99'	79	5.9	1,046	58	541	68	0	0	0
4301	6/23	56° 40.04'	-153° 45.20'	43	6.0	643	28	414	58	0	54	0
4302	7/30	56° 49.97'	-151° 40.22'	161	5.9	407	26	279	32	29	5	54
4303	7/30	56° 50.00'	-151° 57.52'	41	6.0	2,550	107	818	108	0	0	0
4304	8/1	56° 50.02'	-152° 16.02'	50	6.0	421	25	864	112	0	0	0
4305	8/1	56° 49.99'	-152° 34.61'	76	5.9	408	23	470	61	5	0	0
4306	7/6	56° 50.14'	-152° 53.01'	35	6.0	239	16	537	84	0	0	0
4307	7/6	56° 50.09'	-153° 10.68'	45	5.8	608	41	810	111	0	0	0
4308	6/23	56° 49.99'	-153° 28.99'	54	5.9	438	27	616	90	0	0	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2016 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4309	7/29	57° 00.01'	-151° 40.25'	38	5.9	3,081	146	863	97	0	0	5
4310	7/29	57° 00.24'	-151° 58.95'	44	6.0	285	16	544	75	0	5	0
4311	8/1	56° 59.87'	-152° 17.05'	40	5.9	643	35	777	114	0	0	0
4312	7/23	57° 00.28'	-152° 35.04'	83	6.0	520	36	755	92	10	0	0
4313	7/6	56° 59.99'	-152° 53.76'	62	5.9	635	31	440	67	0	25	0
4314	7/28	57° 10.17'	-151° 04.28'	206	6.0	383	22	113	13	79	0	15
4315	7/27	57° 10.00'	-151° 22.11'	69	5.9	1,111	76	1,027	119	0	29	0
4316	7/27	57° 10.08'	-151° 41.00'	37	5.9	1,143	57	692	90	0	15	0
4317	7/29	57° 09.87'	-151° 58.96'	37	6.0	787	38	653	94	0	0	0
4318	7/23	57° 09.99'	-152° 18.24'	44	6.0	529	30	548	84	0	15	0
4319	7/23	57° 09.99'	-152° 35.64'	54	6.0	384	24	350	53	5	30	0
4320	7/28	57° 19.89'	-151° 03.98'	50	5.9	1,005	53	737	90	0	10	0
4321	7/22	57° 20.12'	-151° 22.98'	73	6.0	1,025	67	1,523	176	5	10	0
4322	7/27	57° 20.06'	-151° 41.00'	34	5.9	893	32	421	64	0	0	0
4323	7/3	57° 20.02'	-152° 00.14'	39	6.0	564	24	484	69	0	0	0
4324	7/3	57° 19.73'	-152° 18.01'	21	5.9	1,454	48	127	20	0	0	0
4325	6/19	57° 29.96'	-151° 05.01'	43	6.0	1,003	49	874	111	0	10	0
4326	7/22	57° 29.91'	-151° 23.03'	55	6.0	328	21	734	90	0	25	0
4327	7/22	57° 30.18'	-151° 42.00'	65	6.0	239	17	886	113	5	10	0
4328	7/3	57° 29.95'	-152° 01.00'	26	5.9	1,087	43	264	36	0	5	0
4329	7/21	57° 39.94'	-151° 42.64'	36	6.0	21	1	605	95	0	0	0
4330	7/21	57° 39.99'	-152° 00.84'	103	5.9	1,324	77	755	88	5	15	0
4331	6/22	57° 29.82'	-154° 55.23'	126	6.0	286	16	107	14	20	15	0
4332	6/23	57° 39.97'	-154° 35.22'	118	6.0	34	2	21	3	10	0	0
4333	6/22	57° 39.61'	-154° 54.35'	127	6.0	333	17	63	7	20	0	0
4334	6/22	57° 39.93'	-155° 13.14'	161	6.0	118	7	154	21	10	30	0
4335	6/24	57° 50.15'	-154° 14.95'	113	6.0	128	9	103	14	30	5	0
4336	6/23	57° 49.91'	-154° 34.27'	125	6.0	174	5	20	2	5	0	0
4337	6/23	57° 49.68'	-154° 53.32'	159	6.0	188	12	265	34	5	35	0
4338	6/25	58° 00.02'	-153° 36.63'	88	6.0	369	21	127	16	5	20	0
4339	6/24	58° 00.05'	-153° 56.24'	107	6.0	149	9	113	16	0	5	0
4340	6/24	57° 59.93'	-154° 14.38'	127	6.0	65	5	142	18	5	0	0
4341	6/25	58° 10.00'	-153° 18.71'	67	6.0	31	2	137	20	0	5	0
4342	6/25	58° 10.07'	-153° 38.09'	105	6.0	100	4	44	6	5	5	0
4343	6/26	58° 09.82'	-153° 57.66'	117	6.0	331	20	113	14	10	0	0
4344	6/11	58° 20.02'	-153° 20.06'	96	6.0	340	20	41	5	5	0	0
4345	6/26	58° 20.14'	-153° 38.83'	94	6.0	215	8	10	1	5	5	0
4346	6/26	58° 20.05'	-153° 57.99'	48	6.0	599	24	477	72	0	25	0
4347	6/11	58° 30.11'	-153° 01.70'	92	6.0	362	21	196	26	0	0	0
4348	6/11	58° 29.74'	-153° 21.23'	100	6.0	412	21	173	21	0	0	0
4349	6/10	58° 30.17'	-153° 40.74'	51	6.0	431	21	154	21	0	20	0
4350	6/12	58° 39.93'	-152° 44.05'	107	6.0	336	20	164	21	5	30	0
4351	6/10	58° 40.08'	-153° 03.02'	86	6.0	1,371	69	302	36	5	15	0
4352	6/10	58° 40.27'	-153° 22.98'	24	6.0	123	5	150	27	0	20	0
4353	6/12	58° 50.09'	-152° 26.05'	100	6.0	550	29	304	35	0	25	0
4354	6/3	58° 50.61'	-152° 45.11'	103	6.0	138	10	184	23	0	35	0
4355	6/3	58° 50.05'	-153° 04.02'	90	6.0	189	8	110	13	0	0	0
4356	6/13	58° 59.83'	-151° 47.69'	70	6.0	302	19	1,101	148	0	0	0
4357	6/15	59° 00.05'	-152° 07.65'	76	6.0	815	43	504	60	0	0	0
4358	6/12	58° 59.93'	-152° 26.94'	83	6.0	79	5	275	34	0	0	0
4359	6/3	58° 59.95'	-152° 45.98'	90	6.0	139	10	337	42	0	20	0

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.

2016 IPHC Stock Assessment Survey

Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (F)	Skates Set ¹	O32 Halibut		U32 Halibut		Bycatch (numbers) ³		
						Lbs. ²	#'s	Lbs. ²	#'s	Sablefish	P. Cod	Rockfish
4360	6/4	59° 00.43'	-153° 05.27'	81	6.0	104	7	97	13	0	0	0
4361	6/15	59° 09.99'	-152° 07.88'	76	6.0	745	47	891	109	0	0	0
4362	6/2	59° 10.14'	-152° 27.01'	54	6.0	12	1	196	30	0	0	0
4363	6/2	59° 09.97'	-152° 46.96'	75	6.0	53	2	110	16	0	0	0
4364	6/4	59° 10.04'	-153° 06.03'	45	6.0	0	0	65	10	0	5	0
4365	6/4	59° 10.19'	-153° 26.13'	23	6.0	233	10	88	14	0	5	0
4366	6/14	59° 19.92'	-152° 11.82'	42	6.0	220	14	895	143	0	0	0
4367	6/2	59° 19.98'	-152° 28.12'	39	6.0	13	1	356	61	0	0	0
4368	6/1	59° 19.70'	-152° 48.05'	43	6.0	86	4	131	19	0	0	0
4369	6/5	59° 19.93'	-153° 08.24'	27	6.0	48	3	138	24	0	5	0
4370	6/14	59° 30.03'	-151° 50.20'	40	6.0	377	24	604	85	0	5	0
4371	6/14	59° 29.86'	-152° 08.97'	23	6.0	218	14	815	115	0	0	0
4372	5/31	59° 30.09'	-152° 28.91'	31	6.0	13	1	64	9	0	20	0
4373	6/1	59° 30.02'	-152° 49.07'	28	6.0	242	11	228	34	0	20	0
4374	5/31	59° 39.86'	-152° 30.02'	41	6.0	462	25	221	28	0	20	0
4375	5/31	59° 49.74'	-152° 11.06'	27	6.0	1,065	57	714	103	0	5	0
373 Total Effective 3A Stations					Totals	289,967	14,537	140,390	18,086	2,699	2,612	1,943

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

² Weights are calculated from length-weight tables.

³ Bycatch numbers extrapolated from 20% subsample.