

# 2012 IPHC Stock Assessment Survey

## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4001	8/9	57° 50.60'	-137° 12.96'	189	4.0	383	17	40	5	105	0	45
4002	8/9	58° 00.13'	-136° 53.23'	225	4.0	50	4	0	0	90	0	5
4003	8/9	58° 00.03'	-137° 11.82'	112	4.0	2,598	138	227	25	25	0	5
4004	8/8	58° 00.04'	-137° 31.72'	88	4.0	1,440	74	236	28	0	5	10
4005	8/8	57° 59.97'	-137° 50.17'	101	4.0	1,326	80	335	43	25	5	0
4006	7/22	58° 10.04'	-136° 53.80'	103	4.0	627	34	103	13	45	10	10
4007	7/22	58° 10.04'	-137° 12.11'	65	4.1	2,311	78	251	30	0	5	5
4008	8/8	58° 10.00'	-137° 28.80'	75	4.0	1,137	60	412	53	0	0	0
4009	8/7	58° 10.02'	-137° 48.99'	84	4.0	115	7	17	2	0	0	0
4010	8/7	58° 09.98'	-138° 07.53'	79	4.0	972	57	357	44	0	15	0
4011	8/7	58° 09.97'	-138° 28.34'	89	4.0	796	26	82	10	0	5	55
4012	8/6	58° 10.02'	-138° 46.16'	101	4.0	1,285	51	430	58	0	0	25
4013	7/22	58° 20.00'	-137° 09.91'	92	4.0	131	5	41	7	10	0	0
4014	7/21	58° 20.06'	-137° 30.29'	102	4.1	0	0	9	1	10	0	0
4015	7/21	58° 20.05'	-137° 48.27'	93	4.0	369	10	10	1	0	0	0
4016	7/28	58° 19.92'	-138° 05.96'	69	4.0	351	24	181	21	0	0	0
4017	8/6	58° 19.95'	-138° 26.10'	72	4.0	823	54	629	79	0	0	5
4018	8/6	58° 20.16'	-138° 46.85'	67	4.0	430	20	422	60	0	0	238
4019	8/5	58° 20.02'	-139° 03.79'	58	4.0	1,543	60	177	26	0	0	70
4020	8/5	58° 20.16'	-139° 25.28'	149	4.0	1,164	43	22	3	20	0	10
4021	7/21	58° 29.94'	-137° 28.96'	49	4.0	11	1	9	1	0	0	0
4022	7/21	58° 30.01'	-137° 47.69'	83	4.0	0	0	0	0	0	0	0
4023	7/28	58° 30.53'	-138° 06.90'	73	4.0	175	13	67	8	0	0	0
4024	7/30	58° 29.98'	-138° 24.63'	63	4.0	567	40	574	68	0	0	5
4025	7/30	58° 29.98'	-138° 44.62'	52	4.0	977	34	256	36	0	5	5
4026	7/31	58° 30.08'	-139° 03.19'	54	4.0	249	9	246	38	0	0	20
4027	8/5	58° 29.98'	-139° 23.80'	96	4.0	870	27	115	16	0	5	10
4028	7/20	58° 30.07'	-139° 40.80'	141	4.0	722	30	76	9	35	0	5
4029	7/28	58° 39.97'	-138° 05.83'	50	4.1	0	0	0	0	0	0	0
4030	7/30	58° 39.99'	-138° 23.70'	71	4.0	0	0	0	0	0	0	0
4031	7/31	58° 40.04'	-138° 44.75'	53	4.0	812	26	358	50	0	0	10
4032	7/31	58° 39.98'	-139° 04.27'	81	4.0	430	27	260	32	10	20	0
4033	8/1	58° 40.06'	-139° 22.16'	137	4.1	755	31	16	2	40	0	0
4034	7/20	58° 40.02'	-139° 41.81'	102	4.0	986	40	139	17	30	0	5
4035	7/20	58° 39.99'	-140° 01.22'	105	4.0	1,154	45	421	59	10	0	0
4036	7/29	58° 49.98'	-138° 04.77'	26	4.0	147	6	222	32	0	0	0
4037	7/29	58° 49.99'	-138° 24.89'	38	4.1	90	5	0	0	0	0	0
4038	7/8	58° 49.97'	-138° 43.84'	66	4.0	125	9	142	20	0	0	0
4039	8/1	58° 50.00'	-139° 04.01'	100	4.0	0	0	0	0	0	0	0
4040	8/1	58° 50.01'	-139° 20.77'	72	4.0	570	15	70	8	0	0	10
4041	8/2	58° 49.91'	-139° 43.31'	87	4.0	182	5	18	2	0	0	0
4042	8/2	58° 50.00'	-140° 00.70'	94	4.1	684	22	266	31	0	0	25
4043	7/29	58° 59.91'	-138° 25.32'	33	4.1	85	3	25	4	0	0	0
4044	7/8	59° 00.01'	-138° 44.04'	87	4.0	13	1	0	0	0	0	0
4045	7/8	58° 59.98'	-139° 01.96'	55	4.0	19	1	0	0	0	0	0
4046	7/9	58° 59.98'	-139° 21.31'	59	4.0	0	0	0	0	0	0	0
4047	8/2	58° 59.97'	-139° 41.12'	65	4.0	122	4	59	7	0	0	0
4048	7/9	59° 09.99'	-139° 00.75'	29	4.0	0	0	0	0	0	0	0
4049	7/9	59° 09.99'	-139° 19.70'	51	4.0	0	0	0	0	0	0	0
4051	7/19	58° 50.00'	-140° 19.10'	99	4.0	1,271	46	350	44	10	5	0
4052	7/19	58° 50.18'	-140° 41.36'	106	4.0	1,928	75	543	68	5	0	5

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

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

# 2012 IPHC Stock Assessment Survey

## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4053	7/11	59° 00.02'	-140° 01.86'	74	4.0	538	15	85	11	0	0	5
4054	7/11	59° 00.00'	-140° 18.69'	84	4.0	759	27	124	15	0	0	15
4055	7/19	58° 59.93'	-140° 40.18'	99	4.0	410	15	324	43	0	5	0
4056	7/18	59° 00.16'	-141° 00.20'	105	4.0	873	33	215	31	10	0	10
4057	7/10	59° 10.00'	-139° 40.02'	73	4.0	26	2	6	1	0	0	0
4058	7/10	59° 09.99'	-140° 00.25'	63	4.0	216	8	105	13	0	0	0
4059	7/11	59° 10.00'	-140° 20.42'	71	4.0	470	17	153	19	0	5	0
4060	7/18	59° 09.98'	-140° 38.86'	80	4.0	454	16	61	9	0	0	0
4061	7/18	59° 10.02'	-140° 58.84'	98	4.0	867	24	251	33	5	10	0
4062	7/17	59° 09.94'	-141° 19.24'	187	4.0	77	3	17	2	45	0	0
4063	8/18	59° 10.07'	-141° 37.66'	122	4.0	2,822	106	27	3	84	0	5
4064	7/10	59° 19.97'	-139° 38.62'	83	4.0	0	0	0	0	0	0	0
4065	7/10	59° 19.98'	-139° 59.81'	88	4.1	33	2	0	0	0	0	0
4066	7/12	59° 19.95'	-140° 18.67'	72	4.0	565	19	189	24	0	0	0
4067	7/12	59° 19.96'	-140° 38.87'	77	4.0	244	11	168	22	0	5	0
4068	7/17	59° 19.93'	-140° 57.74'	86	4.0	36	1	6	1	0	0	0
4069	7/17	59° 20.14'	-141° 19.62'	182	4.1	75	2	18	2	126	0	0
4070	8/18	59° 20.02'	-141° 37.23'	104	4.0	1,204	41	78	11	25	0	0
4071	8/18	59° 20.07'	-141° 57.48'	117	4.0	1,260	56	130	16	40	5	0
4072	7/14	59° 30.00'	-140° 01.32'	65	4.0	0	0	0	0	0	0	0
4073	7/14	59° 29.96'	-140° 19.34'	125	4.0	140	4	0	0	20	0	15
4074	7/12	59° 30.02'	-140° 38.16'	152	4.0	151	5	0	0	15	0	10
4075	7/13	59° 30.03'	-141° 00.07'	159	4.0	53	2	0	0	5	0	0
4076	7/13	59° 29.98'	-141° 17.79'	91	4.0	17	1	0	0	0	0	0
4077	8/21	59° 30.42'	-141° 39.68'	89	4.0	0	0	0	0	0	0	0
4078	8/21	59° 29.63'	-141° 56.72'	98	4.0	378	10	6	1	0	0	0
4079	7/14	59° 40.44'	-139° 59.01'	76	4.0	184	5	18	2	0	15	0
4080	7/13	59° 40.00'	-140° 59.24'	29	4.0	127	2	0	0	0	5	0
4081	7/13	59° 40.03'	-141° 18.06'	35	4.0	13	1	0	0	0	0	0
4082	8/21	59° 39.94'	-141° 37.72'	52	4.0	0	0	8	2	0	0	0
4083	8/25	59° 40.05'	-141° 56.56'	78	4.0	78	1	0	0	0	0	0
4084	8/22	59° 40.16'	-142° 17.80'	120	3.9	449	15	0	0	44	0	5
4085	8/22	59° 40.38'	-142° 38.95'	209	3.9	626	28	29	3	157	0	25
4086	6/2	59° 39.97'	-142° 58.09'	112	4.0	975	39	136	20	10	15	0
4087	6/2	59° 40.50'	-143° 18.30'	160	4.0	202	10	51	7	54	5	0
4088	6/3	59° 39.63'	-143° 38.66'	77	4.0	12	1	62	10	0	0	10
4089	6/3	59° 40.28'	-143° 55.77'	70	4.0	384	16	172	24	0	0	5
4090	6/4	59° 40.06'	-144° 15.52'	88	4.0	1,337	41	223	28	0	0	20
4091	6/5	59° 39.88'	-144° 39.14'	81	4.0	138	8	78	13	0	0	0
4092	8/25	59° 49.95'	-141° 59.23'	38	4.0	106	4	11	2	0	0	0
4093	8/25	59° 50.03'	-142° 17.73'	47	4.0	686	17	78	9	0	5	0
4094	8/22	59° 49.72'	-142° 36.91'	84	4.0	1,415	40	48	6	0	5	0
4095	8/23	59° 50.44'	-142° 58.62'	94	4.0	0	0	0	0	7	0	0
4096	6/2	59° 50.00'	-143° 18.24'	124	4.0	44	2	5	1	5	0	0
4097	6/3	59° 50.29'	-143° 36.73'	156	4.0	59	2	3	1	35	0	59
4098	6/4	59° 50.08'	-143° 57.78'	51	4.0	206	10	379	51	0	0	0
4099	6/4	59° 49.91'	-144° 17.81'	34	4.0	408	14	154	21	0	50	0
4100	8/23	60° 00.35'	-142° 40.98'	36	3.9	1,140	29	41	5	0	0	0
4101	8/23	59° 59.84'	-142° 58.94'	63	4.0	288	9	13	2	0	0	0
4102	7/29	59° 20.46'	-146° 17.77'	102	4.0	608	26	51	7	10	10	45
4103	7/29	59° 20.09'	-146° 34.73'	78	4.0	701	34	84	9	0	10	0

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

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Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4104	7/28	59° 20.09'	-146° 54.33'	106	4.0	299	14	36	5	5	0	5
4105	7/28	59° 19.94'	-147° 14.55'	102	3.9	215	11	6	1	0	0	0
4106	7/31	59° 29.86'	-145° 17.15'	74	4.0	846	29	94	12	5	0	45
4107	7/30	59° 29.77'	-145° 54.89'	90	4.0	697	38	119	14	5	5	0
4108	7/29	59° 29.38'	-146° 33.99'	42	4.0	468	21	152	21	0	0	5
4109	8/15	59° 30.11'	-146° 55.20'	110	4.0	106	4	0	0	10	0	5
4110	7/28	59° 30.33'	-147° 12.84'	118	4.0	79	5	29	4	45	0	0
4111	8/14	59° 30.13'	-147° 33.87'	62	4.0	25	1	35	4	0	0	0
4112	7/31	59° 40.37'	-145° 32.72'	57	4.0	0	0	17	2	0	10	0
4113	7/30	59° 40.39'	-145° 55.15'	41	3.9	390	25	419	51	0	0	0
4114	7/30	59° 39.95'	-146° 13.49'	45	4.0	161	7	180	23	0	0	0
4115	8/15	59° 39.95'	-146° 33.27'	47	4.0	613	18	188	24	0	0	20
4116	8/15	59° 39.82'	-146° 51.84'	57	4.0	0	0	0	0	0	0	0
4117	8/14	59° 39.91'	-147° 12.06'	105	4.0	231	7	0	0	0	0	0
4118	8/14	59° 39.86'	-147° 33.19'	64	4.0	267	11	60	8	0	5	0
4119	6/5	59° 49.98'	-144° 57.08'	107	4.0	196	9	24	3	5	35	0
4120	8/17	59° 49.97'	-145° 54.01'	56	4.0	22	1	39	6	0	10	0
4121	8/16	59° 50.08'	-146° 12.00'	38	4.0	526	35	152	18	0	0	0
4122	8/5	59° 49.59'	-146° 32.47'	37	4.0	636	18	139	20	0	0	30
4123	8/5	59° 49.45'	-146° 51.30'	42	3.9	298	13	231	30	0	0	0
4124	8/4	59° 50.27'	-147° 12.57'	92	4.0	152	9	0	0	0	0	0
4125	6/6	59° 59.61'	-144° 38.18'	126	4.0	33	2	7	1	5	16	0
4126	6/6	59° 59.46'	-144° 57.81'	80	4.0	242	15	30	3	0	5	0
4127	6/6	60° 00.31'	-145° 19.09'	65	4.0	208	8	12	2	0	0	0
4128	8/16	60° 00.26'	-146° 12.54'	34	4.0	1,006	38	475	63	0	0	0
4129	8/16	60° 00.69'	-146° 31.91'	35	3.9	69	5	297	45	0	0	0
4130	8/4	59° 59.81'	-146° 51.70'	80	4.0	48	4	9	1	0	5	0
4131	8/4	59° 59.64'	-147° 11.96'	102	4.0	192	11	92	11	0	64	0
4132	6/7	60° 10.41'	-145° 33.50'	52	4.0	14	1	7	1	0	0	0
4133	6/7	60° 10.24'	-145° 52.18'	55	4.0	119	1	0	0	0	5	0
4134	6/7	60° 09.98'	-146° 09.64'	47	4.0	80	4	19	3	0	0	0
4135	7/12	60° 09.81'	-147° 30.74'	42	4.0	510	31	173	27	0	25	0
4136	7/12	60° 09.88'	-147° 51.00'	186	4.0	713	46	193	23	15	45	5
4137	7/12	60° 20.53'	-147° 30.23'	66	4.0	311	13	193	26	0	35	5
4138	7/10	60° 30.23'	-146° 30.48'	48	3.9	109	6	156	21	0	20	0
4139	7/10	60° 29.82'	-146° 48.43'	222	4.0	724	43	163	19	30	10	10
4140	7/10	60° 29.77'	-147° 09.40'	106	4.0	390	20	281	36	5	10	0
4141	7/11	60° 29.60'	-147° 28.83'	104	4.0	129	6	111	14	0	45	0
4142	7/11	60° 29.34'	-147° 49.05'	212	3.9	428	22	73	9	15	44	10
4143	7/9	60° 40.60'	-146° 49.44'	232	4.0	749	44	157	17	15	0	5
4144	7/9	60° 39.94'	-147° 08.88'	135	4.0	453	26	179	22	0	35	5
4145	7/9	60° 49.22'	-147° 09.28'	194	4.0	562	27	111	14	5	15	5
4146	7/8	60° 49.99'	-148° 09.90'	170	4.0	441	20	62	8	5	15	25
4147	7/20	58° 39.95'	-148° 33.98'	130	4.0	551	28	55	8	99	0	5
4148	6/20	58° 40.29'	-148° 54.14'	91	4.0	95	7	4	1	25	35	20
4149	7/20	58° 49.66'	-148° 14.91'	153	4.0	1,099	55	238	26	20	0	30
4150	7/20	58° 49.16'	-148° 34.92'	164	4.0	312	14	14	2	109	0	20
4151	6/19	58° 50.38'	-148° 53.19'	140	4.0	800	39	38	4	50	0	10
4152	6/20	58° 50.18'	-149° 12.79'	117	3.9	225	13	9	1	123	15	5
4153	7/21	59° 00.55'	-147° 53.92'	227	3.9	0	0	0	0	29	0	5
4154	7/19	58° 59.55'	-148° 12.74'	123	4.0	1,168	61	115	15	5	79	0

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

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						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4155	7/19	59° 00.16'	-148° 34.03'	134	4.0	106	5	24	3	80	0	0
4156	6/19	59° 00.19'	-148° 54.34'	112	4.0	43	3	14	2	53	0	0
4157	6/19	58° 59.31'	-149° 11.45'	123	4.0	168	9	48	6	54	0	0
4158	7/4	58° 59.27'	-149° 31.77'	130	4.0	56	3	19	2	40	0	0
4159	7/27	59° 10.04'	-147° 35.99'	120	4.0	2,230	120	333	35	5	74	15
4160	7/21	59° 09.51'	-147° 52.84'	112	3.9	827	44	161	20	10	15	5
4161	7/21	59° 10.36'	-148° 14.14'	66	4.0	1,708	76	228	31	0	5	55
4162	7/19	59° 09.65'	-148° 32.07'	86	4.0	228	15	87	10	25	45	0
4163	7/18	59° 10.56'	-148° 53.56'	97	4.0	202	13	89	11	5	5	0
4164	7/18	59° 10.63'	-149° 12.60'	85	3.9	1,406	53	128	17	10	5	29
4165	7/17	59° 09.86'	-149° 32.72'	89	3.9	214	14	79	9	34	0	0
4166	7/17	59° 10.24'	-149° 50.42'	72	3.9	402	21	201	25	20	0	0
4167	7/27	59° 19.91'	-147° 34.34'	68	4.0	655	30	221	30	0	0	25
4168	7/27	59° 20.21'	-147° 53.36'	100	4.0	15	1	12	2	0	0	0
4169	7/26	59° 20.29'	-148° 13.94'	87	4.0	523	32	152	19	5	0	0
4170	7/26	59° 20.35'	-148° 33.58'	50	4.0	937	33	298	39	0	0	89
4171	7/18	59° 20.05'	-148° 53.27'	94	4.0	690	43	175	20	0	0	5
4172	8/8	59° 20.07'	-149° 11.69'	104	4.0	1,084	66	166	19	20	15	0
4173	7/17	59° 19.53'	-149° 32.84'	67	4.0	628	32	368	48	0	20	0
4174	6/16	59° 19.97'	-149° 51.17'	103	4.0	260	19	80	9	20	5	0
4175	6/16	59° 19.44'	-150° 09.89'	88	4.0	440	21	105	12	0	40	0
4176	8/13	59° 29.11'	-147° 52.18'	59	4.0	151	5	39	5	0	0	5
4177	8/13	59° 30.11'	-148° 12.67'	114	4.0	0	0	41	6	25	0	0
4178	7/26	59° 29.96'	-148° 33.05'	54	4.0	24	2	161	25	0	0	0
4179	8/8	59° 29.76'	-148° 52.27'	92	4.0	11	1	0	0	0	0	0
4180	8/8	59° 30.53'	-149° 10.96'	120	4.0	878	28	62	7	64	5	5
4181	7/23	59° 30.51'	-149° 32.55'	56	4.0	131	8	474	69	0	0	5
4182	7/23	59° 29.93'	-149° 51.75'	110	4.0	666	34	128	14	15	20	0
4183	6/16	59° 29.80'	-150° 11.14'	68	4.0	320	14	155	20	0	10	0
4184	8/13	59° 40.12'	-147° 53.52'	36	4.0	1,264	73	859	100	0	0	35
4185	8/7	59° 39.98'	-148° 13.27'	75	4.0	103	7	126	15	0	0	0
4186	8/7	59° 40.22'	-148° 31.74'	115	4.0	104	3	12	2	20	0	0
4187	8/9	59° 39.61'	-148° 51.47'	98	4.0	54	2	9	1	5	0	0
4188	8/10	59° 39.81'	-149° 13.28'	115	4.0	442	15	41	5	35	15	0
4189	7/23	59° 40.50'	-149° 32.75'	150	4.0	163	8	36	4	10	69	0
4190	8/7	59° 49.15'	-148° 12.19'	62	4.0	259	17	146	21	5	5	0
4191	8/9	59° 50.42'	-148° 32.51'	71	4.0	0	0	18	2	0	15	0
4192	8/9	59° 50.27'	-148° 52.65'	90	4.0	35	2	18	3	5	15	0
4193	8/10	59° 49.97'	-149° 12.55'	70	4.0	307	18	81	11	7	7	0
4194	8/10	59° 49.99'	-149° 30.54'	119	4.0	519	28	59	7	15	64	0
4195	6/23	58° 00.27'	-149° 12.52'	73	4.0	2,032	128	345	40	0	0	20
4196	6/23	58° 09.20'	-148° 54.27'	70	4.0	1,028	64	113	15	0	153	5
4197	6/23	58° 09.38'	-149° 13.25'	64	4.0	13	1	25	4	0	0	5
4198	6/24	58° 09.88'	-149° 31.74'	61	3.9	622	35	210	29	0	5	20
4199	6/24	58° 10.20'	-149° 50.70'	74	3.9	975	67	370	44	5	10	0
4200	6/21	58° 19.82'	-148° 35.47'	92	4.0	364	21	86	10	45	54	0
4201	6/21	58° 19.59'	-148° 54.20'	69	4.0	203	14	80	12	0	139	0
4202	6/22	58° 19.75'	-149° 13.55'	86	4.0	356	24	72	10	0	153	0
4203	6/28	58° 19.95'	-149° 30.45'	86	3.9	385	27	71	9	0	20	0
4204	6/24	58° 20.19'	-149° 50.99'	41	4.0	569	44	1,076	132	0	0	0
4205	6/29	58° 19.23'	-150° 10.05'	27	4.0	703	46	1,039	144	0	0	0

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

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

# 2012 IPHC Stock Assessment Survey

## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4206	6/29	58° 20.02'	-150° 30.02'	30	4.0	88	7	1,181	158	0	0	0
4207	6/21	58° 29.74'	-148° 34.95'	69	4.0	373	23	73	13	0	153	0
4208	6/22	58° 29.98'	-148° 52.95'	62	4.0	672	39	326	46	0	25	0
4209	6/22	58° 29.80'	-149° 11.74'	66	3.9	285	19	107	15	0	59	0
4210	6/28	58° 29.38'	-149° 32.87'	80	4.0	703	50	82	10	0	119	0
4211	6/28	58° 29.63'	-149° 50.59'	75	3.9	260	19	123	16	0	25	0
4212	6/30	58° 30.30'	-150° 08.74'	50	4.0	517	30	429	65	0	0	10
4213	6/29	58° 30.10'	-150° 29.14'	48	4.0	205	11	500	80	0	0	0
4214	6/14	58° 30.35'	-150° 46.83'	59	4.0	782	61	359	40	0	30	0
4215	6/20	58° 39.62'	-149° 11.90'	76	4.0	305	20	160	24	0	10	0
4216	7/3	58° 39.33'	-149° 33.27'	74	4.0	264	18	88	12	0	10	0
4217	7/3	58° 40.51'	-149° 50.36'	84	4.0	246	17	112	14	10	15	0
4218	6/30	58° 39.83'	-150° 09.38'	68	4.0	1,446	96	717	87	0	5	0
4219	6/30	58° 39.84'	-150° 28.74'	110	3.9	468	30	274	35	29	15	0
4220	6/14	58° 39.69'	-150° 50.16'	111	4.0	120	7	35	4	40	15	0
4221	6/14	58° 40.10'	-151° 06.33'	100	4.0	248	15	17	2	40	45	0
4222	7/4	58° 49.77'	-149° 31.68'	122	4.0	552	26	14	2	50	0	0
4223	7/3	58° 50.02'	-149° 50.03'	133	4.0	997	56	38	4	30	0	5
4224	7/2	58° 49.77'	-150° 11.08'	86	4.0	995	66	316	41	15	30	0
4225	7/1	58° 49.80'	-150° 30.45'	98	4.0	285	19	228	28	25	89	0
4226	7/1	58° 50.18'	-150° 47.95'	93	4.0	436	29	169	21	20	35	0
4227	6/13	58° 50.77'	-151° 08.71'	87	4.0	810	52	287	32	5	0	0
4228	6/13	58° 50.05'	-151° 27.98'	61	4.0	326	25	685	96	0	25	0
4229	7/4	58° 59.30'	-149° 51.20'	120	4.0	265	12	10	1	40	0	0
4230	7/2	59° 00.16'	-150° 10.86'	104	4.0	195	12	46	5	20	0	0
4231	7/2	58° 59.98'	-150° 30.37'	65	4.0	157	12	523	78	0	15	0
4232	7/1	58° 59.97'	-150° 49.09'	89	4.0	858	49	275	35	5	10	0
4233	6/12	58° 59.88'	-151° 08.63'	81	4.0	745	42	205	24	0	45	10
4234	6/13	59° 00.06'	-151° 27.88'	71	3.9	546	28	417	49	0	49	5
4235	6/10	59° 09.91'	-150° 10.57'	69	4.0	278	18	312	44	0	15	0
4236	6/10	59° 09.87'	-150° 30.71'	66	4.0	126	8	197	24	0	5	0
4237	6/12	59° 09.98'	-150° 50.03'	62	4.0	291	21	381	49	0	10	20
4238	6/12	59° 10.06'	-151° 10.29'	34	4.0	808	41	371	49	0	0	25
4239	6/10	59° 19.60'	-150° 31.65'	147	4.0	898	39	140	16	5	100	5
4240	8/30	57° 20.07'	-150° 44.43'	98	4.0	1,086	67	122	14	25	20	5
4241	8/31	57° 30.09'	-150° 11.35'	202	3.9	178	9	39	4	34	0	39
4242	8/30	57° 29.91'	-150° 27.28'	88	4.0	567	37	268	31	0	5	0
4243	8/30	57° 29.98'	-150° 45.02'	53	4.0	91	7	308	42	0	109	0
4244	8/31	57° 41.55'	-149° 50.81'	180	4.0	355	21	54	6	46	0	86
4246	8/26	57° 39.85'	-150° 29.31'	47	4.0	715	45	476	66	0	10	0
4247	8/26	57° 39.94'	-150° 46.03'	46	4.0	1,347	67	651	84	0	15	0
4248	8/27	57° 39.91'	-151° 05.02'	39	4.0	407	25	442	57	0	35	0
4249	8/27	57° 40.08'	-151° 22.95'	35	4.0	203	15	611	76	0	0	0
4250	9/2	57° 50.22'	-149° 32.57'	121	4.0	1,336	76	157	17	50	10	0
4251	9/2	57° 50.05'	-149° 49.56'	139	4.0	1,697	103	383	49	14	0	0
4252	9/1	57° 50.31'	-150° 08.92'	106	4.0	958	55	273	34	25	15	5
4253	9/1	57° 50.13'	-150° 28.51'	49	4.0	554	36	241	29	0	0	0
4254	8/26	57° 49.97'	-150° 47.88'	43	4.0	285	14	547	73	0	30	0
4255	8/27	57° 49.97'	-151° 07.53'	37	4.0	256	17	867	120	0	0	0
4256	8/13	57° 50.13'	-151° 23.32'	28	4.0	197	11	1,187	155	0	20	0
4257	8/13	57° 49.82'	-151° 42.16'	27	4.0	219	14	597	86	0	40	0

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

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

# 2012 IPHC Stock Assessment Survey

## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4258	8/12	57° 50.09'	-152° 02.05'	47	4.0	365	25	289	35	0	20	0
4259	9/2	57° 59.90'	-149° 33.76'	72	4.0	2,330	150	346	39	0	20	0
4260	9/2	57° 59.93'	-149° 51.59'	131	4.0	1,108	65	240	28	45	40	0
4261	9/1	58° 00.02'	-150° 08.40'	126	4.0	929	56	129	15	30	0	0
4262	8/25	58° 00.05'	-150° 27.94'	89	4.0	764	53	335	40	15	59	0
4263	8/24	58° 00.05'	-150° 45.73'	69	3.9	861	56	436	54	0	44	0
4264	8/24	58° 00.09'	-151° 07.01'	44	4.0	221	14	435	55	0	114	0
4265	8/23	58° 00.03'	-151° 23.91'	42	4.0	130	5	307	43	0	45	0
4266	8/13	57° 59.98'	-151° 48.81'	60	4.0	761	55	481	57	10	94	0
4267	8/12	58° 00.03'	-152° 02.42'	96	4.0	1,135	60	147	17	20	74	0
4268	8/12	57° 59.97'	-152° 21.84'	112	4.0	875	41	100	12	5	70	0
4269	8/25	58° 09.97'	-150° 10.37'	80	4.0	1,809	109	510	60	0	64	0
4270	8/25	58° 09.92'	-150° 30.12'	61	4.1	407	26	635	85	0	25	0
4271	8/24	58° 10.47'	-150° 47.66'	56	4.0	240	16	306	40	0	50	0
4272	8/23	58° 09.96'	-151° 08.28'	78	4.0	651	45	166	20	40	50	0
4273	8/23	58° 09.92'	-151° 23.94'	87	4.0	596	41	237	30	5	69	0
4274	8/14	58° 09.24'	-151° 40.74'	39	4.0	578	38	930	117	0	20	0
4275	8/15	58° 19.92'	-150° 48.97'	34	4.0	62	5	281	40	0	0	0
4276	8/15	58° 20.16'	-151° 06.62'	67	4.0	248	19	334	43	5	40	0
4277	8/14	58° 20.04'	-151° 26.34'	36	4.0	1,036	73	895	107	0	0	0
4278	8/14	58° 19.99'	-151° 45.23'	28	4.1	958	54	483	56	0	0	0
4279	8/15	58° 29.94'	-151° 06.80'	52	4.0	189	14	515	69	0	15	0
4280	8/12	58° 29.99'	-151° 27.99'	93	4.0	948	62	224	26	25	15	0
4281	8/16	58° 30.02'	-151° 44.24'	91	4.0	1,847	103	208	25	30	10	0
4282	8/16	58° 40.07'	-151° 25.59'	100	4.0	757	43	271	36	35	25	0
4283	8/17	58° 40.05'	-151° 47.38'	68	4.0	831	50	655	89	0	5	0
4284	8/17	58° 40.27'	-152° 04.24'	71	4.0	576	34	201	24	5	0	0
4285	8/17	58° 50.17'	-152° 05.61'	62	4.0	775	33	531	76	0	10	0
4286	6/21	56° 19.98'	-152° 50.17'	61	4.0	1,108	65	462	60	0	20	10
4287	6/21	56° 20.03'	-153° 08.88'	49	4.0	195	13	148	23	0	10	0
4288	6/28	56° 19.99'	-153° 27.35'	34	4.0	570	29	865	107	0	0	0
4289	6/22	56° 29.94'	-152° 13.81'	97	4.0	1,136	78	522	62	10	5	5
4290	6/22	56° 30.04'	-152° 33.71'	140	4.0	762	44	102	11	60	0	10
4291	6/21	56° 29.97'	-152° 52.00'	28	4.0	1,853	83	403	49	0	79	0
4292	6/20	56° 29.98'	-153° 08.72'	39	4.0	93	6	200	27	0	66	0
4293	6/28	56° 30.07'	-153° 27.93'	51	4.0	328	23	581	84	0	0	0
4294	6/28	56° 30.00'	-153° 44.79'	37	4.0	520	18	87	11	0	60	0
4295	6/24	56° 40.05'	-151° 55.91'	37	4.0	1,417	92	871	109	0	10	0
4296	6/22	56° 39.96'	-152° 15.03'	25	4.0	661	38	620	89	0	0	0
4297	6/23	56° 39.93'	-152° 32.88'	82	4.0	745	49	300	37	15	15	0
4298	6/20	56° 40.03'	-152° 53.23'	38	4.1	542	30	576	86	0	15	0
4299	6/20	56° 39.95'	-153° 08.62'	83	3.9	326	17	129	18	0	29	0
4300	6/27	56° 40.08'	-153° 28.92'	81	4.0	627	28	202	23	0	5	0
4301	6/27	56° 39.97'	-153° 45.81'	43	3.9	460	25	384	48	0	34	0
4302	6/24	56° 50.00'	-151° 40.23'	165	4.0	324	23	118	13	59	5	15
4303	6/24	56° 49.95'	-151° 56.72'	41	4.0	1,735	94	789	93	0	5	0
4304	6/23	56° 49.98'	-152° 15.14'	53	4.0	1,047	48	680	87	0	30	0
4305	6/23	56° 50.09'	-152° 34.70'	76	4.0	555	36	212	26	5	20	0
4306	6/19	56° 49.98'	-152° 53.41'	34	4.0	128	7	678	101	0	0	0
4307	6/19	56° 50.05'	-153° 12.03'	64	4.0	1,048	61	440	55	0	10	0
4308	6/27	56° 50.02'	-153° 30.05'	48	4.0	304	19	397	55	0	10	0

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

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

# 2012 IPHC Stock Assessment Survey

## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4309	6/7	56° 59.89'	-151° 40.20'	40	4.0	1,017	65	486	59	0	135	0
4310	6/7	56° 59.99'	-152° 00.07'	45	4.0	58	5	682	101	0	45	0
4311	6/6	56° 59.96'	-152° 17.35'	40	4.0	843	42	711	96	0	40	0
4312	6/6	56° 59.91'	-152° 35.88'	85	4.0	912	48	365	44	0	30	0
4313	6/19	56° 59.98'	-152° 53.01'	64	4.0	298	19	241	29	0	30	0
4314	6/8	57° 10.02'	-151° 05.65'	160	4.0	105	6	46	5	64	0	54
4315	6/8	57° 09.97'	-151° 21.55'	71	4.0	1,645	111	391	44	0	59	0
4316	6/7	57° 09.98'	-151° 41.92'	40	4.0	373	21	292	41	0	95	0
4317	6/5	57° 09.98'	-151° 59.91'	38	4.0	329	20	338	43	0	95	0
4318	6/5	57° 09.98'	-152° 17.77'	42	4.0	113	8	576	83	0	25	0
4319	6/6	57° 09.93'	-152° 34.38'	56	4.0	439	24	407	54	0	30	0
4320	6/8	57° 20.00'	-151° 03.60'	49	4.0	1,859	106	523	67	0	0	0
4321	6/9	57° 20.01'	-151° 21.59'	77	4.0	832	54	311	36	0	129	0
4322	6/10	57° 19.99'	-151° 40.08'	34	4.0	260	15	670	93	0	5	0
4323	6/10	57° 20.02'	-151° 58.74'	40	4.0	269	18	323	42	0	84	0
4324	6/5	57° 19.96'	-152° 19.19'	21	4.0	706	24	122	15	0	104	0
4325	6/9	57° 29.98'	-151° 03.78'	44	4.0	1,186	72	717	91	0	5	0
4326	6/9	57° 29.95'	-151° 24.27'	60	4.0	932	66	443	60	0	45	0
4327	6/10	57° 30.01'	-151° 42.34'	60	4.0	883	62	564	69	0	25	0
4328	6/2	57° 30.00'	-152° 00.92'	25	4.0	921	41	700	84	0	110	0
4329	6/2	57° 40.01'	-151° 42.47'	34	4.0	321	23	770	96	0	35	0
4330	6/2	57° 40.03'	-152° 02.36'	66	4.0	532	36	439	52	0	59	0
4331	6/6	57° 29.49'	-154° 55.03'	126	4.0	548	30	158	20	15	20	0
4332	6/5	57° 39.99'	-154° 34.97'	120	4.0	331	17	199	24	45	30	0
4333	6/6	57° 39.98'	-154° 54.02'	128	4.0	572	28	82	11	15	20	0
4334	6/6	57° 40.55'	-155° 12.98'	164	4.0	312	20	128	16	15	10	0
4335	6/4	57° 50.00'	-154° 15.88'	112	4.0	762	39	400	52	5	25	0
4336	6/5	57° 50.02'	-154° 33.10'	124	4.0	386	26	254	33	5	40	0
4337	6/5	57° 50.73'	-154° 53.01'	153	3.9	498	25	221	28	0	44	0
4338	6/2	57° 59.99'	-153° 36.97'	90	4.0	971	62	348	42	0	10	0
4339	6/4	58° 00.01'	-153° 55.99'	107	4.0	641	35	303	40	5	45	0
4340	6/4	57° 59.97'	-154° 13.05'	124	3.9	392	25	183	25	5	29	0
4341	6/2	58° 10.02'	-153° 17.82'	35	4.0	157	9	453	77	0	55	0
4342	6/2	58° 09.38'	-153° 38.01'	107	4.0	569	29	169	21	0	45	0
4343	6/3	58° 09.74'	-153° 57.01'	115	4.0	411	25	411	50	15	25	0
4344	6/22	58° 19.92'	-153° 19.98'	97	4.0	292	16	75	9	0	10	0
4345	6/3	58° 19.97'	-153° 40.16'	95	3.9	511	24	165	22	0	0	0
4346	6/3	58° 20.00'	-153° 56.91'	58	4.0	681	38	211	26	0	69	0
4347	6/20	58° 29.40'	-153° 01.97'	91	3.9	354	25	170	22	0	10	0
4348	6/21	58° 30.63'	-153° 20.97'	97	4.0	519	28	401	48	0	0	0
4349	6/21	58° 30.00'	-153° 42.12'	45	4.0	957	44	339	44	0	45	0
4350	6/20	58° 39.99'	-152° 43.89'	109	4.0	421	21	167	23	0	5	0
4351	6/20	58° 40.60'	-153° 02.97'	84	4.0	972	53	562	69	5	20	0
4352	6/21	58° 39.32'	-153° 23.02'	35	4.0	1,000	55	447	60	0	44	0
4353	6/10	58° 49.94'	-152° 25.99'	99	4.0	829	45	73	8	5	50	0
4354	6/19	58° 49.92'	-152° 45.00'	103	4.0	1,262	85	468	54	5	29	0
4355	6/19	58° 50.63'	-153° 04.00'	89	4.0	438	28	651	77	0	30	0
4356	6/11	59° 00.00'	-151° 48.24'	74	4.0	575	36	991	129	0	0	0
4357	6/11	58° 59.98'	-152° 08.17'	75	4.0	1,245	79	805	97	0	5	0
4358	6/10	59° 00.68'	-152° 27.03'	83	4.0	375	24	373	46	0	5	0
4359	6/18	59° 00.00'	-152° 46.00'	90	3.9	871	62	291	33	0	24	0

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

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.

# 2012 IPHC Stock Assessment Survey

## Area 3A

Station	Date Fished	North Latitude	West Longitude	Depth (fm)	Skates Set <sup>1</sup>	O32 Halibut		U32 Halibut		Bycatch (numbers) <sup>3</sup>		
						Lbs. <sup>2</sup>	#'s	Lbs. <sup>2</sup>	#'s	Sablefish	P. Cod	Rockfish
4360	6/19	59° 00.06'	-153° 04.98'	83	4.0	515	27	465	56	0	15	0
4361	6/11	59° 09.25'	-152° 08.01'	80	4.0	698	50	852	102	0	10	0
4362	6/10	59° 09.36'	-152° 26.97'	63	3.9	370	25	876	118	0	0	0
4363	6/18	59° 09.97'	-152° 48.18'	75	3.9	133	9	410	53	0	10	0
4364	6/17	59° 10.59'	-153° 05.97'	43	4.0	34	2	414	56	0	69	0
4365	6/17	59° 10.00'	-153° 24.85'	22	4.0	1,200	54	427	54	0	90	0
4366	6/12	59° 19.31'	-152° 09.05'	41	4.0	203	12	1,033	151	0	0	0
4367	6/13	59° 20.02'	-152° 29.27'	38	4.0	117	9	831	125	0	5	0
4368	6/13	59° 19.99'	-152° 48.05'	43	4.0	273	15	517	73	0	20	0
4369	6/17	59° 19.30'	-153° 08.00'	28	4.0	171	9	261	34	0	30	0
4370	6/12	59° 30.09'	-151° 48.72'	44	4.0	426	23	183	23	0	10	0
4371	6/12	59° 30.00'	-152° 09.01'	23	4.0	471	24	815	109	0	0	0
4372	6/14	59° 30.01'	-152° 27.68'	28	4.0	945	55	692	94	0	5	0
4373	6/13	59° 29.37'	-152° 49.00'	29	4.0	1,395	69	458	57	0	94	0
4374	6/14	59° 39.99'	-152° 28.76'	44	4.0	1,859	93	399	50	0	15	0
4375	6/14	59° 49.99'	-152° 10.95'	27	3.9	612	44	1,100	139	0	0	0
<b>373 Total Effective 3A Stations</b>					<b>Totals</b>	<b>203,742</b>	<b>10,752</b>	<b>92,126</b>	<b>11,923</b>	<b>3,573</b>	<b>6,761</b>	<b>1,714</b>

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

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

<sup>3</sup> Bycatch numbers extrapolated from 20% subsample.