

Appendix to: Monitoring Alternatives for the Alaskan Fixed Gear Fleet.

Exhibit 1: 2013 landings events (count and percent) by port and vessel size.

Port	Event count				Percent			
	<40	40-57	>=58	Total	<40	40-57	>=58	Total
Kodiak	368	608	948	1924	13.9	18.0	27.4	20.3
Sitka	202	496	165	863	7.7	14.7	4.8	9.1
Seward	82	394	394	870	3.1	11.7	11.4	9.2
Homer	209	368	277	854	7.9	10.9	8.0	9.0
Juneau	111	234	72	417	4.2	6.9	2.1	4.4
King Cove	16	231	191	438	0.6	6.8	5.5	4.6
Dutch Harbor	44	187	360	591	1.7	5.5	10.4	6.2
Sand Point	39	187	327	553	1.5	5.5	9.5	5.8
Petersburg	121	132	135	388	4.6	3.9	3.9	4.1
Cordova	77	101	37	215	2.9	3.0	1.1	2.3
Adak		61	123	184	0.0	1.8	3.6	1.9
Yakutat	196	57	103	356	7.4	1.7	3.0	3.8
Wrangell	65	57	11	133	2.5	1.7	0.3	1.4
Ketchikan	19	49	17	85	0.7	1.4	0.5	0.9
Hoonah	52	43	29	124	2.0	1.3	0.8	1.3
Whittier	15	38		53	0.6	1.1	0.0	0.6
Atka	49	36	17	102	1.9	1.1	0.5	1.1
Akutan	48	23	179	250	1.8	0.7	5.2	2.6
St Paul Island	403	19	23	445	15.3	0.6	0.7	4.7
Craig	19	19		38	0.7	0.6	0.0	0.4
Alitak Bay	12	18	6	36	0.5	0.5	0.2	0.4
Port Alexander		11		11	0.0	0.3	0.0	0.1
False Pass		3	2	5	0.0	0.1	0.1	0.1
Valdez	10	2	19	31	0.4	0.1	0.6	0.3
Elfin Cove		2		2	0.0	0.1	0.0	0.0
Bellingham		1	17	18	0.0	0.0	0.5	0.2
Kenai	11	1		12	0.4	0.0	0.0	0.1
Haines	7	1		8	0.3	0.0	0.0	0.1
Nome	7	1		8	0.3	0.0	0.0	0.1
Port Armstrong		1		1	0.0	0.0	0.0	0.0
Savoonga	159			159	6.0	0.0	0.0	1.7
Mekoryuk	56			56	2.1	0.0	0.0	0.6
Tununak	53			53	2.0	0.0	0.0	0.6
Toksook Bay	49			49	1.9	0.0	0.0	0.5
Togjak	45			45	1.7	0.0	0.0	0.5
Kipnuk	44			44	1.7	0.0	0.0	0.5
Chefornak	14			14	0.5	0.0	0.0	0.1
Goodnews Bay	10			10	0.4	0.0	0.0	0.1
Hooper Bay	9			9	0.3	0.0	0.0	0.1
Kake	6			6	0.2	0.0	0.0	0.1
Port Protection	6			6	0.2	0.0	0.0	0.1
Excursion Inlet			2	2	0.0	0.0	0.1	0.0
Dillingham	1			1	0.0	0.0	0.0	0.0
Hyder	1			1	0.0	0.0	0.0	0.0
Naknek	1			1	0.0	0.0	0.0	0.0
Nunivak Island	1			1	0.0	0.0	0.0	0.0
Seattle	1			1	0.0	0.0	0.0	0.0
Other:								
Other Alaska	204	1		205	7.7	0.0	0.0	2.2
Floating Processor	1	97	188	286	0.0	2.9	5.4	3.0
Catcher Processor			393	393	0.0	0.0	11.4	4.1
Floating Bait	3	43		46	0.1	1.3	0.0	0.5

Exhibit 2a: 2013 monthly landings by trip target species.

All Boats	Cod Target	Halibut Target	Sablefish Target	Total
January	757			757
February	575			575
March	1222	110	46	1378
April	217	375	291	883
May	28	526	348	902
June	25	888	397	1310
July	16	894	171	1081
August	35	847	296	1178
September	144	583	249	976
October	185	399	225	809
November	205	161	85	451
December	193			193
<40 ft boats	Cod Target	Halibut Target	Sablefish Target	Total
January	22			22
February	48			48
March	124	40	4	168
April	24	80	22	126
May	12	132	16	160
June	13	429	24	466
July	5	739	24	768
August	5	516	66	587
September	7	258	30	295
October	17	130	16	163
November	17	38	4	59
December	39			39
40 to 57.5 ft boats	Cod Target	Halibut Target	Sablefish Target	Total
January	211			211
February	210			210
March	513	52	27	592
April	92	177	128	397
May	1	175	124	300
June	3	287	182	472
July		98	75	173
August	1	201	124	326
September	44	193	103	340
October	35	163	102	300
November	52	77	36	165
December	65			65
>58 ft boats	Cod Target	Halibut Target	Sablefish Target	Total
January	524			524
February	317			317
March	585	18	15	618
April	101	118	141	360
May	15	219	208	442
June	9	172	191	372
July	11	57	72	140
August	29	130	106	265
September	93	132	116	341
October	133	106	107	346
November	136	46	45	227
December	89			89

Exhibit 2b: 2013 monthly landings by trip target species.

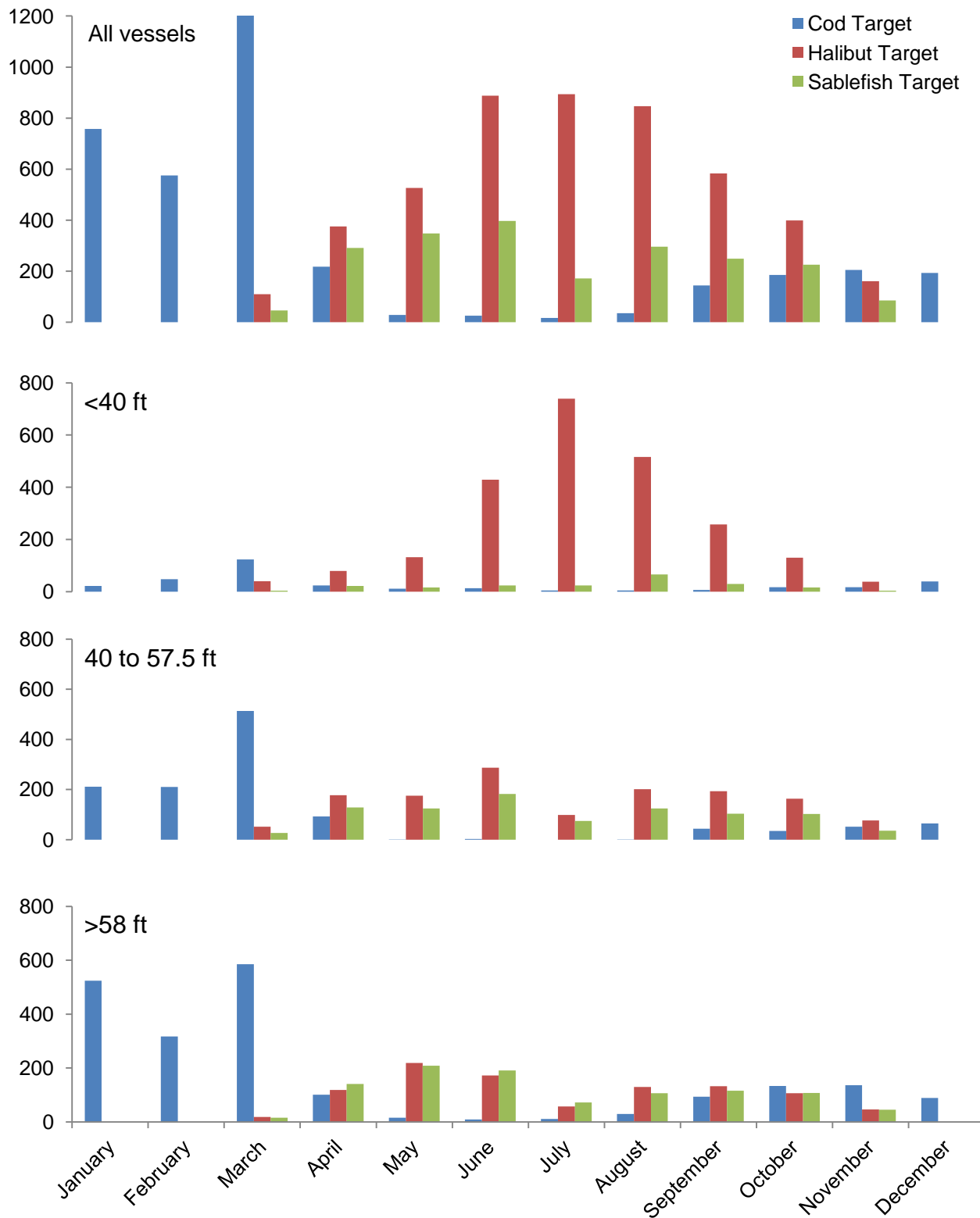


Exhibit 3a: 2013 monthly landings for groundfish and Halibut fisheries by region.

Aleutian	<40	40-57	>=58	All trips
January	3	88	232	323
February	1	34	76	111
March	17	171	186	374
April	5	22	72	99
May	5	17	56	78
June	33	38	80	151
July	32	57	50	139
August	70	87	100	257
September	38	109	124	271
October	10	68	124	202
November	1	38	83	122
December		4	18	22

South Central	<40	40-57	>=58	All trips
January	14	90	174	278
February	45	148	175	368
March	89	261	273	623
April	45	182	166	393
May	52	141	280	473
June	70	185	186	441
July	83	40	56	179
August	173	108	88	369
September	83	121	96	300
October	82	120	104	306
November	27	86	54	167
December	32	56	30	118

South East	<40	40-57	>=58	All trips
January	5	12		17
February		6		6
March	56	67	18	141
April	75	189	98	362
May	103	140	90	333
June	141	245	85	471
July	84	69	7	160
August	158	126	37	321
September	87	98	76	261
October	68	108	81	257
November	31	41	41	113
December	7	5	2	14

Western	<40	40-57	>=58	All trips
January				
February				
March				
April				
May				
June	145	4	4	153
July	431	5	9	445
August	185	5	2	192
September	87	11	4	102
October	3	4	4	11
November				
December				

Exhibit 3b Landings by Month and Region.

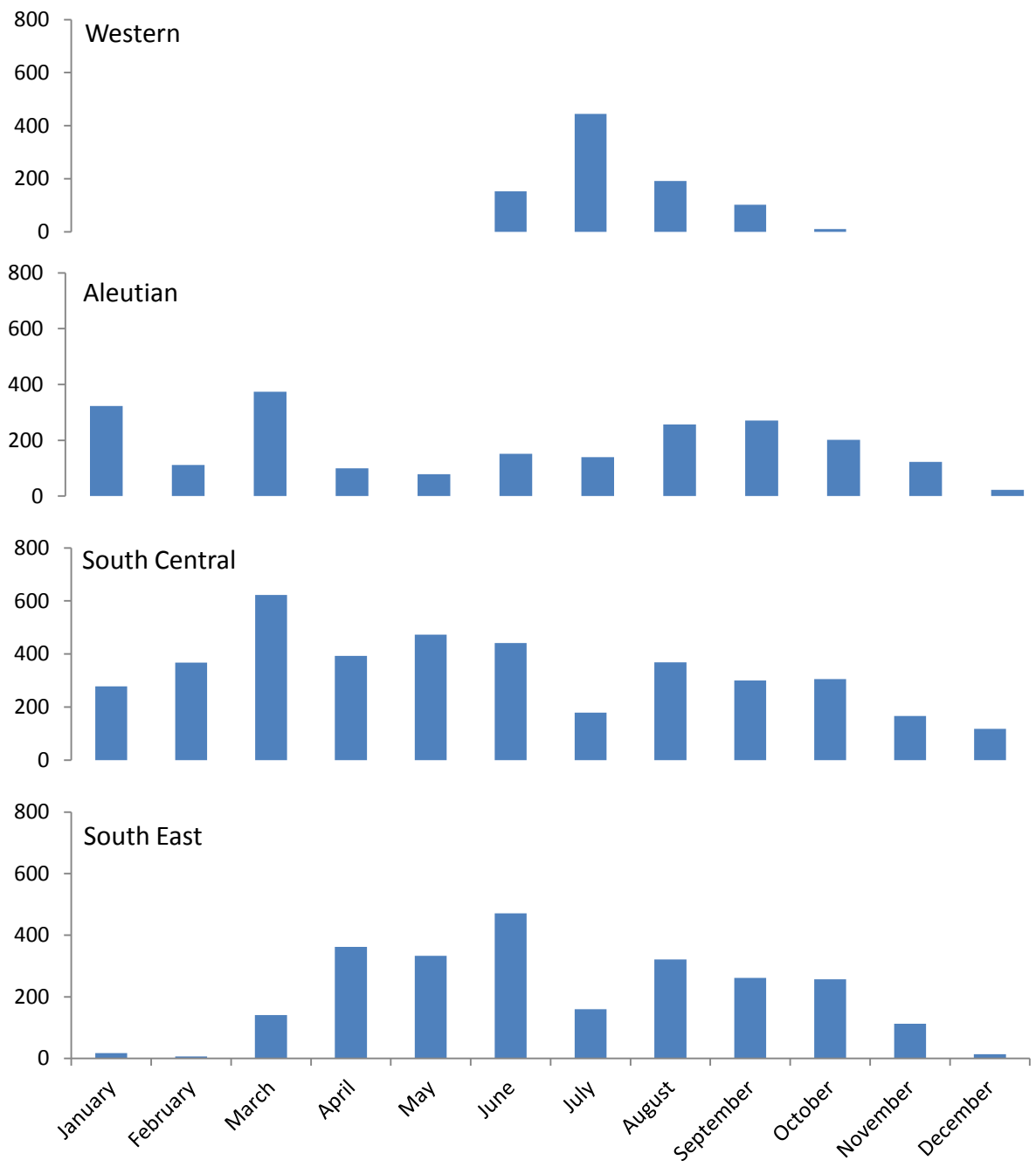


Exhibit 3c: Regions and Ports

<u>Aleutian</u>	<u>Western</u>	<u>Southcentral</u>	<u>Southeast</u>
Adak	Chefnonak	Anchor Point	Angoon
Akutan	Chefornak	Anchor Pt	Annette Island
Atka	Chefornakay	Anchorage	Auke Bay
Chignik	Chevak	Chitina	Bartlett Cove
Chignik Lagoon	Dillingham	Chugiak	Coffman Cove
Dutch Harbor	Golovin	Clam Gulch	Craig
Egegik	Goodnews Bay	Copper Center	Douglas
False Pass	Hooper Bay	Cordova	Edna Bay
Ivanoff Bay	Kipnuk	Ellamar	Elfin Cove
King Cove	Mekoryuk	Eshamy Bay	Elim
King Salmon	Newtok	Girdwood	Freshwater Bay
Naknek	Nightmute	Halibut Cove	Fritz Cove
Perryville	Nome	Homer	Glacier Bay
Sand Point	Quinhagak	Kasilof	Gustavos
Sandpoint	Saint George Isl	Kenai	Gustavus
South Naknek	Saint Marys	Nikolaevsk	Haines
Ugashik	Saint Paul Isl	Ninilchik	Hollis
Unalakleet	Saint Paul Island	Palmer	Hoonah
Unalaska	Savoonga	Seldovia	Hydaburg
	Scammon Bay	Seward	Hyder
	Shaktoolik	Soldotna	Juneau
<u>Hawaii</u>	St George Island	Strawberry Pt	Kake
Hawaii	St Paul	Valdez	Ketchikan
	St Paul Island	Wasilla	Klawock
<u>Kodiak</u>	Togiak	Whittier	Kupreanof
Alitak Bay	Toksook		Loring
Chiniak	Toksook Bay		Metlakatla
Kodiak	Tooksook Bay		Meyers Chuck
Larsen Bay	Tuntutuliak		Naukatu Bay
Old Harbor	Tununak		Pelican
Ouzinkie			Petersberg
Port Lions			Petersburg
Saltery Cove			Point Baker
			Port Alexander
<u>NA</u>			Port Protection
Floating			Port St Nicholas
Processor			Pt Alexander
Na			Pt Baker
			Sitka
<u>Washington</u>			Southeast
Washington			Tenakee
			Tenakee Springs
<u>Oregon</u>			Thorne Bay
Oregon			Token Cove
			Ward Cove
<u>California</u>			Wrangell
California			Yakutat

Exhibit 4: Estimated days, trips, and observer trips for 2015 (North Pacific Council, Oct 6.14, 2014, C1 – Faunce – 2015 Draft ADP).

Stratum	Gear	Days		Trips		Vessels	
		Total	Expected Obs.	Total	Expected Obs.	Total	Expected Obs.
FULL (100%)	HAL	7010	7010	1110	1110	36	36
	POT	350	350	54	54	3	3
	Trawl	16807	16807	3674	3674	139	139
	TOTALS	24167	24167	4838	4838	178	178
T (24%)	HAL	9229	2193	1527	363	186	44
	POT	3615	859	887	211	97	23
	Trawl	4556	1083	1566	372	74	18
	TOTALS	17400	4134	3976	945	304	72
t (12%)	HAL	9415	1130	2138	257	378	45
	POT	425	51	106	13	21	3
	TOTALS	9840	1181	2244	269	388	47
ZERO (0%)	HAL	6553	0	2535	0	489	0
	POT	25	0	9	0	2	0
	JIG	898	0	499	0	138	0
	TOTALS	7476	0	3040	0	610	0
TOTAL HAL		32207	10333	7310	1730	1089	125
TOTAL POT		4415	1260	1056	278	123	29
TOTAL TRAWL		21363	17890	5240	4046	213	157
TOTAL JIG		898	0	499	0	138	0
GRAND TOTAL/STRATA		58883	29482	14098	6052	1480	297

Exhibit 5a: Catch data for HAL Pacific Cod Target Trips (source: 2013 observer data).

Species	ID Level	Total Catch (#)	Percent Occurrence	Retained (#)	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
						Species (2)	Group (3)	
Fish:								
Pacific Cod	Species	29,015,173	71.57	28,332,334	Kept	Yes		ACL
Soft Snout Skate	Group	2,330,054	5.75	656,257	Conditional		Yes	ACL
Pollock	Species	2,071,551	5.11	1,825,053	Kept	Yes		ACL
Yellowfin Sole	Species	1,561,696	3.85	0	Discarded	Yes		ACL
Pacific Halibut	Species	1,147,796	2.83	24	Discarded	Yes		IFQ
Irish Lord Unidentified	Group	434,263	1.07	0	Discarded		Yes	
Alaska Skate	Species	373,840	0.92	101,657	Conditional	?	Yes	ACL
Flathead Sole	Species	362,268	0.89	300	Discarded	?	Yes	ACL
Arrowtooth Flounder	Species	243,337	0.60	40,531	Conditional	No	Yes	ACL
Yellow Irish Lord	Species	89,199	0.22	25	Discarded	Yes	Yes	
Northern Rockfish	Species	49,339	0.12	2,373	Discarded	?	Yes	ACL
Great Sculpin	Species	45,511	0.11	2	Discarded	?	Yes	
Bering Skate	Species	43,004	0.11	5,706	Conditional	?	Yes	ACL
Big Skate	Species	30,750	0.08	9,468	Conditional	Yes		ACL
Myoxocephalus Sculpin Unidentified	Group	28,424	0.07	0	Discarded		Yes	
Bigmouth Sculpin	Species	24,842	0.06	0	Discarded	Yes	Yes	
Atka Mackerel	Species	23,100	0.06	1,814	Conditional	Yes		ACL
Rock Sole Unidentified	Group	21,369	0.05	15	Discarded		Yes	ACL
Giant Grenadier	Species	20,131	0.05	0	Discarded	Yes	Yes	
Aleutian Skate	Species	18,907	0.05	4,717	Conditional	?	Yes	ACL
Dusky Rockfish	Species	18,901	0.05	4,881	Conditional	?	Yes	ACL
Kamchatka Flounder	Species	17,504	0.04	2,535	Conditional	No	Yes	ACL
Ronquil Unidentified	Group	15,985	0.04	1	Discarded	?	Yes	
Grenadier Unidentified	Group	11,001	0.03	0	Discarded		Yes	
Northern Rock Sole	Species	10,933	0.03	8	Discarded	No	Yes	ACL
Shortraker Rockfish	Species	9,957	0.02	900	Conditional	No	Yes	ACL
Sculpin Unidentified	Group	9,374	0.02	0	Discarded		Yes	
Plain Sculpin	Species	8,655	0.02	0	Discarded	?	Yes	
Flatfish Unidentified	Group	7,082	0.02	0	Discarded		Yes	
Stiff Snout Skate	Group	6,727	0.02	1,938	Conditional		Yes	ACL
Eelpout Unidentified	Group	5,935	0.01	0	Discarded	Yes	TBD	
Spiny Dogfish Shark	Species	5,735	0.01	4	Discarded	Yes		ACL
Arrowtooth/Kamchatka Flounder	Species	3,644	0.01	123	Discarded		Yes	ACL
Darkfin Sculpin	Species	3,640	0.01	0	Discarded	?	Yes	
Longnose Skate	Species	3,369	0.01	2,392	Kept	Yes		ACL
Rockfish Unidentified	Group	3,501	0.01	110	Discarded		Yes	ACL
Greenland Turbot	Species	2,900	0.01	2,088	Kept	Yes		ACL
Yelloweye Rockfish	Species	2,627	0.01	938	Conditional	Yes		ACL
Whiteblotched Skate	Species	2,357	0.01	964	Conditional	Yes	Yes	ACL
Sablefish (Blackcod)	Species	1,154	0.003	419	Conditional	Yes		IFQ
Pacific Sleeper Shark	Species	1,037	0.003	0	Discarded	Yes		
Fish Unidentified	Group	1,025	0.003	0	Discarded		Yes	
Thornyhead Rockfish Unidentified	Group	997	0.003	760	Conditional		Yes	ACL
Fish Waste	Species	939	0.002	0	Discarded			
Alaska Plaice	Species	903	0.002	0	Discarded	Yes	Yes	ACL
Southern Rock Sole	Species	877	0.002	0	Discarded	No	Yes	ACL
Pacific Ocean Perch	Species	855	0.002	206	Conditional	No	Yes	ACL
Shortraker/Rougheye Rockfish	Group	815	0.002	40	Discarded		Yes	ACL
Skate Unidentified	Group	762	0.002	397	Conditional		Yes	ACL
Rougheye Rockfish	Species	712	0.002	106	Conditional	No	Yes	ACL
Starry Flounder	Species	683	0.002	0	Discarded	Yes	Yes	ACL
Shortspine Thornyhead	Species	659	0.002	463	Conditional	No	Yes	ACL
Warty Sculpin	Species	620	0.002	0	Discarded	?	?	
Quillback Rockfish	Species	583	0.001	391	Conditional	Yes		ACL
Bering Wolffish	Species	364	0.001	0	Discarded	Yes		
Roundfish Unidentified	Group	357	0.001	1	Discarded		Yes	
Commander Skate	Species	292	0.001	0	Discarded	?	Yes	ACL
Greenling Unidentified	Group	288	0.001	0	Discarded		Yes	

Species	ID Level	Total Catch (#)	Percent Occurrence	Retained (#)	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
						Species (2)	Group (3)	
Mud Skate	Species	270	0.001	61	Conditional	?	Yes	ACL
Prowfish	Species	194	0.001	0	Discarded	Yes	Yes	
Snailfish Unidentified	Group	117	0.000	0	Discarded		Yes	
Wrymouth Unidentified	Group	80	0.000	0	Discarded	Yes	Yes	
Chum Salmon	Species	78	0.000	0	Discarded	No	Yes	PS
Butter Sole	Species	76	0.000	0	Discarded	?	Yes	ACL
Red Irish Lord	Species	69	0.000	0	Discarded	?	Yes	
Lingcod	Species	62	0.000	0	Discarded	Yes		ACL
Shark Unidentified	Group	54	0.000	0	Discarded		Yes	
Whitebrow Skate	Species	51	0.000	12	Conditional	?	Yes	ACL
Rex Sole	Species	44	0.000	3	Discarded	Yes		ACL
Silvergray Rockfish	Species	25	0.000	14	Conditional	Yes		ACL
Spinyhead Sculpin	Species	23	0.000	0	Discarded	?	Yes	
Lumpsucker Unidentified	Group	16	0.000	0	Discarded		Yes	
Tiger Rockfish	Species	13	0.000	12	Conditional	Yes		ACL
Salmon Unidentified	Group	12	0.000	0	Discarded		Yes	PS
Poacher Unidentified	Group	11	0.000	0	Discarded	Yes	TBD	
Other:								
Starfish Unidentified	Group	825,028	2.04	2,722	Discarded		Yes	
Sea Anemone Unidentified	Group	617,368	1.52	0	Discarded		Yes	
Jellyfish Unidentified	Group	217,027	0.54	0	Discarded		TBD	
Sea Pen-Sea Whip Unidentified	Group	210,587	0.52	0	Discarded		Yes	
Snail Unidentified	Group	71,918	0.18	10	Discarded		Yes	
Sponge Unidentified	Group	65,604	0.16	0	Discarded		TBD	
Basket Starfish	Group	58,293	0.14	1	Discarded		Yes	
Miscellaneous Unidentified	Group	49,276	0.12	1,240	Discarded			
Invertebrate Unidentified	Group	48,733	0.12	0	Discarded			
Sea Potato Unidentified	Group	48,416	0.12	0	Discarded		TBD	
Snail Shell Unidentified	Group	46,460	0.11	0	Discarded		Yes	
Sea Onions Unidentified	Group	40,951	0.10	0	Discarded		Yes	
Ascidian - Sea Squirt - Tunicate Unident	Group	36,535	0.09	0	Discarded		TBD	
Mussels Oysters								
Scallops Clams	Group	34,525	0.09	581	Discarded		Yes	
Opilio Tanner Crab	Species	11,346	0.03	0	Discarded	No	Yes	ACL
Bairdi Tanner Crab	Species	11,117	0.03	0	Discarded	No	Yes	ACL
Brittle Starfish Unidentified	Group	7,125	0.02	0	Discarded		Yes	
Snail Eggs Unidentified	Group	6,769	0.02	0	Discarded	?	?	
Skate Egg Case Unidentified	Group	5,979	0.01	0	Discarded		Yes	
Corals-Bryozoans Unidentified	Group	5,488	0.01	0	Discarded		Yes	
Octopus Unidentified	Group	5,285	0.01	1,173	Conditional		Yes	
Red King Crab	Species	3,680	0.01	0	Discarded	?	Yes	ACL
Polychaete Unidentified	Group	2,433	0.01	0	Discarded		TBD	
Hermit Crab Unidentified	Group	2,224	0.01	0	Discarded		TBD	
Sunstar Starfish	Species	2,129	0.01	0	Discarded	Yes		
Lyre Crab Unidentified	Group	1,514	0.004	0	Discarded	?	Yes	
Northern Fulmar	Species	1,460	0.004	0	Discarded	No	Yes	PS
Sea Cucumber Unidentified	Group	1,458	0.004	0	Discarded		Yes	
Sea Urchins-Sand Dollars Unidentified	Group	1,151	0.003	0	Discarded		Yes	
Tanner Crab Unidentified	Group	461	0.001	0	Discarded		Yes	ACL
Crab Unidentified	Group	416	0.001	0	Discarded		Yes	
Blue King Crab	Species	311	0.001	0	Discarded		Yes	ACL
Gull Unidentified	Group	201	0.001	0	Discarded		Yes	PS
Barnacles Unidentified	Group	194	0.001	0	Discarded		TBD	
Brown King Crab	Species	178	0.000	0	Discarded	?	Yes	ACL
Bird Unidentified	Group	138	0.000	0	Discarded		Yes	PS
Korean Horsehair Crab	Group	63	0.000	0	Discarded	?	Yes	
King Crab Unidentified	Group	42	0.000	0	Discarded		Yes	ACL
Glaucus-Winged Gull	Species	38	0.000	0	Discarded		Yes	PS
Short-Tailed Shearwater	Species	28	0.000	0	Discarded	No	Yes	PS

EM Working Group Discussion Document

Species	ID Level	Total Catch (#)	Percent Occurrence	Retained (#)	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
						Species (2)	Group (3)	
Shearwater Unidentified	Group	27	0.000	0	Discarded		Yes	PS
Sea Birds Unidentified	Group	24	0.000	0	Discarded		Yes	PS
Glaucus Gull	Species	15	0.000	0	Discarded	?	Yes	PS
Squid Unidentified	Group	12	0.000	0	Discarded		Yes	
Totals		40,541,525		31,005,770				

Exhibit 5b: Catch data for HAL Sablefish Target Trips (source: 2013 observer data).

Species	ID Level	Total Catch (#)	Percent Occurrence	Retained (#)	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
						Species (2)	Group (3)	
Fish:								
Giant Grenadier	Species	543,554	34.93	825	Discard	Yes	Yes	
Sablefish (Blackcod)	Species	471,740	30.31	455,745	Conditional	Yes		IFQ
Shortspine Thornyhead	Species	184,448	11.85	117,296	Kept		Yes	ACL
Grenadier Unidentified	Group	139,247	8.95	2,681	Discard		Yes	
Pacific Halibut	Species	53,868	3.46	15,298	Conditional	Yes		IFQ
Thornyhead Rockfish Unidentified	Group	27,344	1.76	9,852	Conditional		Yes	ACL
Rougheye Rockfish	Species	21,932	1.41	2,976	Conditional	No	Yes	ACL
Arrowtooth Flounder	Species	19,651	1.26	5,554	Conditional	No	Yes	ACL
Shortraker Rockfish	Species	18,297	1.18	4,110	Conditional	No	Yes	ACL
Pacific Cod	Species	14,963	0.96	8,196	Conditional	Yes		ACL
Spiny Dogfish Shark	Species	13,804	0.89	0	Discard	Yes		ACL
Soft Snout Skate	Group	9,227	0.59	308	Discard		Yes	ACL
Shortraker/Rougheye Rockfish	Group	4,707	0.30	1,554	Conditional		Yes	ACL
Commander Skate	Species	4,326	0.28	0	Discard	?	Yes	ACL
Greenland Turbot	Species	4,141	0.27	923	Conditional	Yes		ACL
Kamchatka Flounder	Species	3,679	0.24	698	Conditional	No	Yes	ACL
Rockfish Unidentified	Group	3,665	0.24	1,697	Conditional	?	Yes	ACL
Aleutian Skate	Species	3,425	0.22	385	Conditional	?	Yes	ACL
Longnose Skate	Species	3,037	0.20	125	Discard	Yes		ACL
Red Banded Rockfish	Species	2,643	0.17	735	Conditional	Yes		ACL
Roughtail Skate	Species	2,315	0.15	5	Discard	?	Yes	ACL
Arrowtooth/Kamchatka Flounder	Species	1,532	0.10	132	Conditional	High		ACL
Dover Sole	Species	1,089	0.07	17	Discard	Yes		ACL
Whiteblotched Skate	Species	706	0.05	0	Discard	Yes	Yes	ACL
Flatfish Unidentified	Group	441	0.03	0	Discard		Yes	ACL
Pollock	Species	418	0.03	12	Discard	Yes		ACL
Yellow Irish Lord	Species	315	0.02	0	Discard	Yes	Yes	
Stiff Snout Skate	Group	309	0.02	0	Discard	?	Yes	ACL
Whitebrow Skate	Species	271	0.02	0	Discard	?	Yes	ACL
Skate Unidentified	Group	173	0.01	0	Discard		Yes	ACL
Bering Skate	Species	171	0.01	0	Discard	No	Yes	ACL
Big Skate	Species	115	0.01	0	Discard	Yes		ACL
Longspine Thornyhead Rockfish	Species	108	0.01	35	Conditional		Yes	ACL
Sculpin Unidentified	Group	108	0.01	0	Discard		Yes	
Pacific Ocean Perch	Species	98	0.01	4	Discard	?	Yes	ACL
Spotted Ratfish	Species	89	0.01	0	Discard	Yes		
Pacific Flatnose	Species	82	0.01	0	Discard	Yes		
Yelloweye Rockfish	Species	75	0.01	0	Discard	Yes		ACL
Eelpout Unidentified	Group	63	0.004	0	Discard		Yes	
Coho Salmon	Species	29	0.002	7	Discard	No	Yes	PS
Chum Salmon	Species	13	0.001	0	Discard	No	Yes	PS
Mud Skate	Species	10	0.001	0	Discard	?	Yes	ACL
Darkfin Sculpin	Species	8	0.001	0	Discard	?	Yes	
Other:								
Corals-Bryozoans Unidentified	Group	16,362	1.05	0	Discard	?	?	
Starfish Unidentified	Group	5,177	0.33	0	Discard		Yes	
Sponge Unidentified	Group	4,077	0.26	0	Discard		Yes	
Sea Pen-Sea Whip Unidentified	Group	757	0.05	0	Discard		Yes	
Miscellaneous Unidentified	Group	3,690	0.24	3	Discard		??	
Sea Cucumber Unidentified	Group	636	0.04	0	Discard		Yes	
Sea Anemone Unidentified	Group	512	0.03	0	Discard		Yes	
Brittle Starfish Unidentified	Group	450	0.03	0	Discard		Yes	
Tanneri Tanner	Species	345	0.02	4	Discard	No	Yes	ACL
Brown King Crab	Species	231	0.02	0	Discard	?	Yes	ACL

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Species	ID Level	Total Catch (#)	Percent Occurrence	Retained (#)	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
						Species (2)	Group (3)	
Basket Starfish	Species	205	0.01	0	Discard		Yes	
Couesi King Crab	Species	171	0.01	0	Discard	?	Yes	
Crinoids Unidentified	Group	169	0.01	0	Discard		Yes	
Octopus Unidentified	Group	123	0.01	4	Discard		Yes	
Laysan Albatross	Species	58	0.004	0	Discard	Yes		PS
Snail Unidentified	Group	39	0.003	0	Discard	?	?	
Sunstar Starfish	Species	56	0.004	0	Discard	Yes		
Tanner Crab Unidentified	Group	16	0.001	0	Discard		Yes	ACL
Black-Footed Albatross	Species	10	0.001	0	Discard	Yes		PS
Totals		1,556,236		629,170				

Exhibit 5c: Catch data for HAL Halibut 2c Target Trips (source: 2013 IPHC survey data).

Species	ID Level	Total Catch (#)	Percent Occurrence	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
					Species (2)	Group (3)	
Fish:							
Pacific Halibut	Species	1,768	38.96	Conditional	Yes		IFQ
Spiny Dogfish	Species	784	17.28	Discard	Yes		ACL
Sablefish (Blackcod)	Species	596	13.13	Conditional	Yes		IFQ
Longnose Skate	Species	314	6.92	Conditional	Yes		ACL
Yelloweye Rockfish	Species	194	4.28	Kept	Yes		ACL
Arrowtooth Flounder	Species	132	2.91	Conditional	No	Yes	ACL
Pacific Cod	Species	130	2.86	Conditional	Yes		ACL
Redbanded Rockfish	Species	123	2.71	Kept	Yes		ACL
Lingcod	Species	75	1.65	Conditional	Yes		ACL
Aleutian Skate	Species	58	1.28	Discard	?	Yes	ACL
Shortraker Rockfish	Species	50	1.10	Kept	No	Yes	ACL
Rougheye Rockfish	Species	42	0.93	Kept	No	Yes	ACL
Quillback Rockfish	Species	37	0.82	Kept	Yes		ACL
Silvergray Rockfish	Species	30	0.66	Kept	Yes		ACL
Sleeper Shark	Species	29	0.64	Discard	Yes		
Shortspine Thornyhead	Species	25	0.55	Conditional	No	Yes	ACL
Spotted Ratfish	Species	24	0.53	Discard	Yes		
Big Skate	Species	19	0.42	Conditional	Yes		ACL
Canary Rockfish	Species	13	0.29	Kept	Yes		ACL
Great Sculpin	Species	13	0.29	Discard	No	Yes	
Walleye Pollock	Species	7	0.15	Conditional	Yes		ACL
Giant Wrymouth	Species	4	0.09	Discard	Yes	Yes	
Alaska Skate	Species	3	0.07	Discard	?	Yes	ACL
Black Rockfish	Species	2	0.04	Kept	Yes		ACL
Red Irish Lord	Species	2	0.04	Discard	?	Yes	
Unident. Rockfish	Group	2	0.04	Kept		Yes	
unident. Skate	Group	2	0.04	Conditional		Yes	ACL
Bocaccio	Species	1	0.02	Kept	?	Yes	ACL
China Rockfish	Species	1	0.02	Kept	?	Yes	ACL
Coho Salmon	Species	1	0.02	Discard	No	Yes	PS
Copper Rockfish	Species	1	0.02	Kept	Yes		ACL
Petrale Sole	Species	1	0.02	Discard	?	Yes	ACL
Rock Sole	Group	1	0.02	Discard	?	Yes	ACL
unident. Roundfish	Group	1	0.02	Discard		Yes	
unident. sole	Group	1	0.02	Discard		Yes	
Yellowmouth Rockfish	Species	1	0.02	Kept	?	Yes	ACL
Other:							
Fish-eating Star	Species	19	0.42		?	Yes	
Sunflower Sea Star	Species	14	0.31		Yes		
Sea Anemone	Species	6	0.13			Yes	
Gastropod	Group	3	0.07			Yes	
Solaster sp (starfish)	Group	3	0.07		Yes		
unident. Starfish	Group	2	0.04			Yes	
Sea Urchin	Group	1	0.02			Yes	
Sea Whip	Group	1	0.02			Yes	
unident. Coral	Group	1	0.02		?	Yes	
unident. Sponge	Group	1	0.02		?	Yes	
Total		4,538					

Exhibit 5d: Catch data for HAL Halibut 3a Target Trips (source: 2013 IPHC survey data).

Species	ID Level	Total Catch (#)	Percent Occurrence	Usual Disposition (1)	EM ID Ability		
					Species (2)	Group (3)	Mgmt Status (5)
Fish:							
Pacific Halibut	Species	3,074	58.87	Conditional	Yes		IFQ
Pacific Cod	Species	677	12.96	Conditional	Yes		ACL
Longnose Skate	Species	318	6.09	Conditional	Yes		ACL
Spiny Dogfish	Species	307	5.88	Discard	Yes		ACL
Sablefish (Blackcod)	Species	277	5.30	Conditional	Yes		IFQ
Arrowtooth Flounder	Species	124	2.37	Conditional	No	Yes	ACL
Yelloweye Rockfish	Species	105	2.01	Kept	Yes		ACL
Lingcod	Species	54	1.03	Conditional	Yes		ACL
Shortraker Rockfish	Species	49	0.94	Kept	No	Yes	ACL
Sleeper Shark	Species	48	0.92	Discard	Yes		
Aleutian Skate	Species	41	0.79	Discard	?	Yes	ACL
Big Skate	Species	36	0.69	Conditional	Yes		ACL
Yellow Irish Lord	Species	22	0.42	Discard	Yes	Yes	
Redbanded Rockfish	Species	20	0.38	Kept	Yes		ACL
Bering/Alaska Skate	Group	13	0.25	Discard		Yes	ACL
Red Irish Lord	Species	13	0.25	Discard	?	Yes	
Great Sculpin	Species	11	0.21	Discard	?	Yes	
Shortspine Thornyhead	Species	6	0.11	Conditional	No	Yes	ACL
Alaska Skate	Species	5	0.10	Discard	?	Yes	ACL
Quillback Rockfish	Species	5	0.10	Kept	Yes		ACL
Walleye Pollock	Species	5	0.10	Conditional	Yes		ACL
Giant Wrymouth	Species	2	0.04	Discard	Yes	Yes	
Rock Sole	Species	2	0.04	Discard	?	Yes	ACL
Rougheye Rockfish	Species	2	0.04	Kept	No	Yes	ACL
Silvergray Rockfish	Species	2	0.04	Kept	No	Yes	ACL
Bering Skate	Species	1	0.02	Discard	?	Yes	ACL
Chum Salmon	Species	1	0.02	Discard	No	Yes	PS
Dusky Rockfish	Species	1	0.02	Kept	?	Yes	ACL
unident. Skate	Group	1	0.02	Conditional		Yes	
Other:							
Sunflower Sea Star	Species	62	1.19	Discard	Yes		
Sea Anemone	Group	10	0.19	Discard		Yes	
Red Tree Coral	Species	3	0.06	Discard		Yes	
unident. Sponge	Group	3	0.06	Discard	?	?	
Bryozoa	Group	2	0.04	Discard	?	?	
Fish-eating Star	Species	2	0.04	Discard	?	Yes	
Solaster sp (starfish)	Group	2	0.04	Discard	Yes		
Basketstar	Species	1	0.02	Discard	?	Yes	
Giant Pacific Octopus	Species	1	0.02	Conditional	?		
Scallop	Group	1	0.02	Discard	?	Yes	
Total		5,222					

Exhibit 5e: Catch data for HAL Halibut 3b Target Trips (source: 2013 IPHC survey data).

Species	ID Level	Total Catch (#)	Percent Occurrence	Usual Disposition (1)	EM ID Ability		Mgmt Status (5)
					Species (2)	Group (3)	
Fish:							
Pacific Halibut	Species	1,506	41.66	Conditional	Yes		IFQ
Pacific Cod	Species	1,332	36.85	Conditional	Yes		ACL
Yellow Irish Lord	Species	169	4.67	Discard	Yes	Yes	
Aleutian Skate	Species	159	4.40	Discard	?	Yes	ACL
Longnose Skate	Species	115	3.18	Conditional	Yes		ACL
Sablefish (Blackcod)	Species	84	2.32	Conditional	Yes		IFQ
Arrowtooth Flounder	Species	78	2.16	Conditional	?	Yes	ACL
Sleeper Shark	Species	40	1.11	Discard	Yes		
Big Skate	Species	34	0.94	Conditional	Yes		ACL
Great Sculpin	Species	16	0.44	Discard	?	Yes	
Alaska Skate	Species	15	0.41	Discard	?	Yes	ACL
Spiny Dogfish	Species	13	0.36	Discard	Yes		ACL
Walleye Pollock	Species	13	0.36	Conditional	Yes		ACL
Yelloweye Rockfish	Species	12	0.33	Kept	Yes		ACL
Shortspine Thornyhead	Species	9	0.25	Conditional	No	Yes	ACL
Red Irish Lord	Species	6	0.17	Discard	?	Yes	
Bering Skate	Species	4	0.11	Discard	?	Yes	ACL
Giant Wrymouth	Species	4	0.11	Discard	Yes	Yes	
Lingcod	Species	3	0.08	Conditional	Yes		ACL
Bigmouth Sculpin	Species	1	0.03	Discard	Yes	Yes	
Redbanded Rockfish	Species	1	0.03	Kept	Yes		ACL
Shortraker Rockfish	Species	1	0.03	Kept	No	Yes	ACL
Other:							
Sunflower Sea Star	Species	22	0.61	Discard	Yes		
Sea Anemone	Group	5	0.14	Discard		Yes	
Gastropod	Group	4	0.11	Discard	?	?	
Giant Pacific Octopus	Species	4	0.11	Conditional	Yes		
unident. Sponge	Group	3	0.08	Discard	?	?	
Basketstar	Species	2	0.06	Discard		Yes	
Inanimate Object	Group	2	0.06	Discard	?	?	
unident. Starfish	Group	2	0.06	Discard		Yes	
Scallop	Group	2	0.06	Discard		Yes	
Solaster sp (starfish)	Group	2	0.06	Discard	Yes		
Bivalve	Group	1	0.03	Discard	?	?	
Octopus	Group	1	0.03	Conditional		Yes	
Total		3,615					