

APPENDIX E

Gulf of Alaska Other species, Forage fish, and Non-specified species 1999 Catch Summary

This information is provided as a supplement to the GOA 2000 SAFE. We estimated the catch of all non-target species in the Gulf of Alaska for 1999 using fishery observer data in combination with the official target species catch records from the NMFS Alaska Regional Office.

Catches were estimated by species group for 1999, using the following method: within each year, each vessel's observed catch of a given species group was summed within statistical area, gear type, and week. A "target fishery" was then assigned to each vessel's weekly catch, generally by assuming that the species with the highest retained catch for that week was the target species. We used a target assignment algorithm which is consistent that used in the inseason management system at the regional office. Catch by species (target and non-target) was then summed for each year over all observed vessels within each area, gear, and target fishery. The ratio of observed non-target species group catch to observed target species catch within each area, gear, and target fishery was multiplied by the total reported (regional office blend-estimated) target species catch within that area, gear, and target fishery. The results of this extrapolation for 1999 are reported below in Table 1. These catches represent our best estimates of non-target species catch for 1999. Catches of Other species, Forage fish, and grenadiers were estimated for 1990 through 1998 as part of the annual stock assessment process and are reported in annual SAFE documents for the BSAI (Fritz 1999, 98, and back) and the GOA (Gaichas et al, 1999).

Table 1. Estimated catch(metric tons) of non-target species in the GOA by fishery, gear, and area, 1999.
 Values of 0.0 indicate less than 50 kg of total catch, blank cells indicate no catch.

Fishery	Gear	Other species category								Forage fish category		Non-specified category		Grand Total
		All skates	Sleeper shark	Spiny dogfish	Salmon shark	Unid. Shark	All sculpins	All octopi	All squids	All smelts	All other forage	All grenadiers	All other non-specified	
Pollock	BTR	10.1	0.9				5.7						80.3	97.0
	PTR	13.9	33.2	8.6	111.8	6.1	3.0	0.0	20.3	26.1	0.5	81.1	49.3	354.1
Pollock Total		24.1	34.2	8.6	111.8	6.1	8.6	0.0	20.3	26.1	0.5	81.1	129.6	451.0
Pacific Cod	BTR	382.7	4.8	13.2		4.0	127.2	4.3	1.1	0.0	0.1	16.5	201.1	755.0
	PTR	2.1		0.5			0.2	0.1					0.7	3.7
	POT	0.0		0.3	0.7	0.1	106.1	142.0					749.7	998.9
	LGL	789.4	501.0	146.2		8.1	206.8	16.8				3.5	422.7	807.7
Pacific Cod Total		1174.2	505.8	160.2	0.7	12.3	440.3	163.2	1.1	0.0	3.6	439.2	1759.2	4659.9
Flatfish	BTR	467.3	6.0	56.6	0.7	8.1	21.3	2.4	10.5	0.0		450.6	144.9	1168.4
Rockfish	BTR	66.1	2.9	2.4		0.1	31.0	0.5	6.9	0.0	0.0	62.4	405.4	577.5
	PTR	4.5	0.1				0.9		0.2				6.6	12.2
	LGL	21.7		2.4			38.4					3.1	6.6	72.1
Rockfish Total		92.2	3.0	4.8		0.1	70.2	0.5	7.0	0.0	0.0	65.4	418.6	661.8
Sablefish	LGL	242.6	8.7	83.4	18.4	6.4	4.0	0.2	1.8			10351.3	71.4	10788.1
Other	POT						0.0	0.0					0.0	0.0
Grand Total		2000.4	557.7	313.6	131.6	33.0	544.4	166.3	40.7	26.1	4.2	11387.7	2523.7	17729.2

Area	All skates	Sleeper shark	Spiny dogfish	Salmon shark	Unid. Shark	All sculpins	All octopi	All squids	All smelts	All other forage	All grenadiers	All other non-specified	Grand Total
610	624.6	63.9	11.0	15.1	9.3	258.3	19.6	5.7	0.4		3857.4	253.3	5118.6
620	291.9	33.8	42.8	39.9	2.1	48.2	15.4	10.7	18.0	0.5	1251.0	480.8	2235.0
630	958.0	454.7	175.6	58.3	13.4	235.8	129.7	13.9	7.2	3.6	4370.7	1712.9	8133.7
640	30.8	0.3	38.9		0.5	1.9	0.1	2.4	0.2	0.0	506.1	56.1	637.4
649			3.2		1.9	0.1	1.6	8.0	0.3			3.8	19.0
650	95.0	4.9	42.2	18.4	5.7	0.2					1402.4	16.8	1585.6