Large-Mesh Bottom Trawl Survey of Crab and Groundfish:

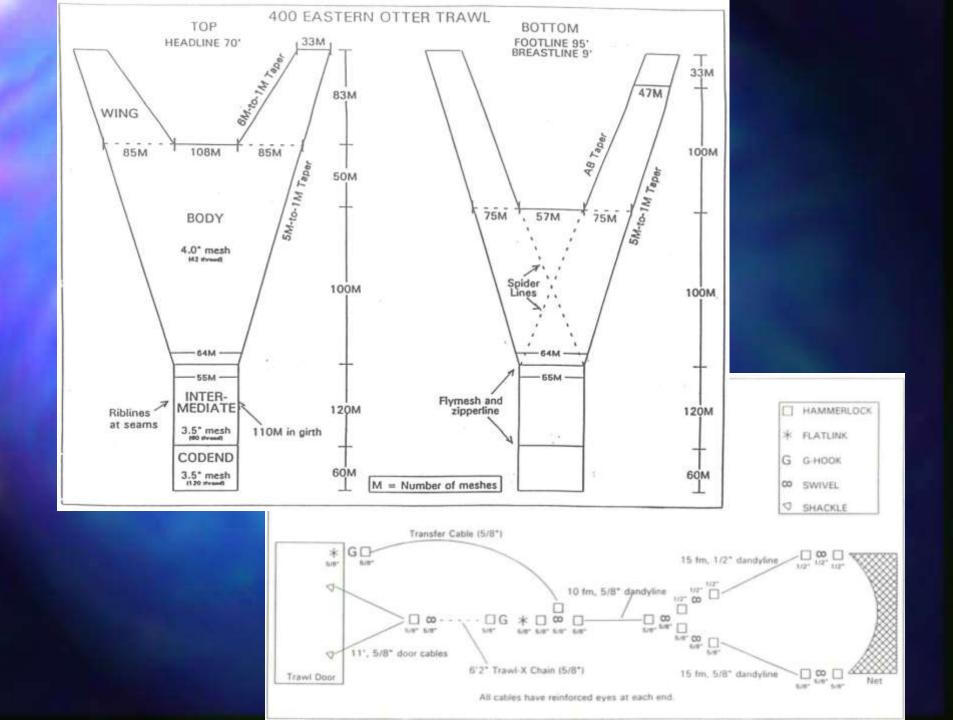
Kodiak, Chignik, South Peninsula, and Eastern Aleutian Management Districts

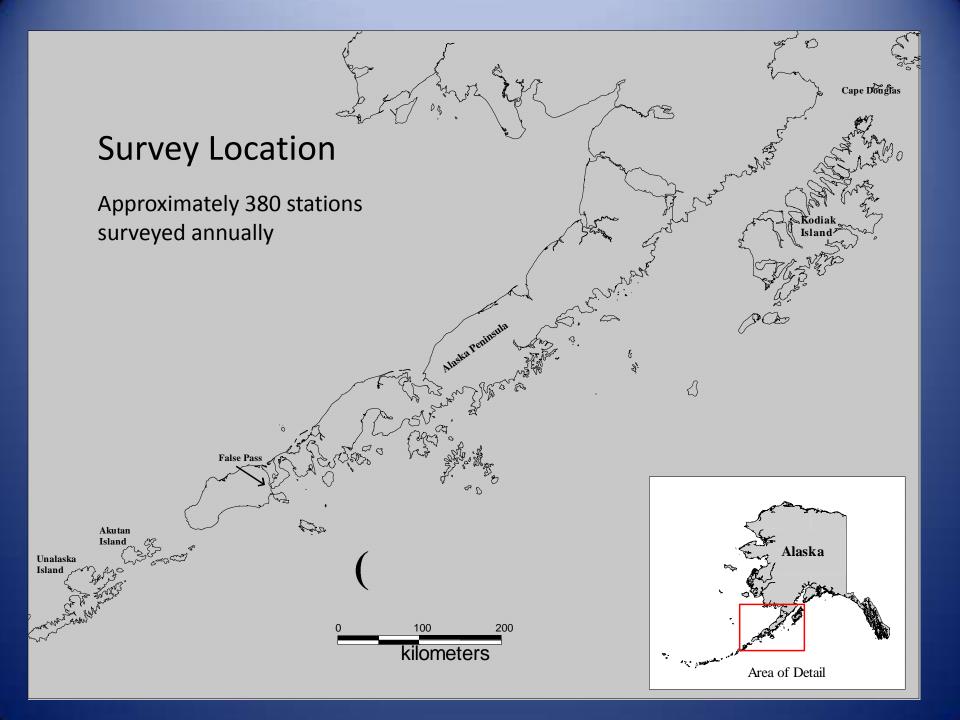


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27.4 m R/V Resolution







Primary Survey Objectives

- Estimate the relative abundance and condition of Tanner and red king crab populations
- Determine species composition and length frequency distributions of commerciallyimportant groundfish species



1.85 km tows

Catch is carried down into codend and weighed



Subsample is brought to sorting table





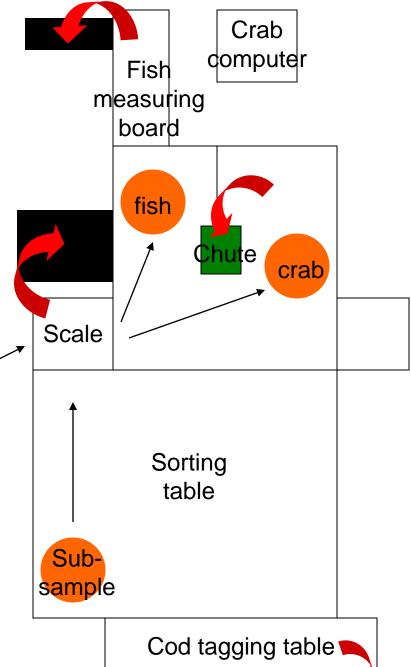




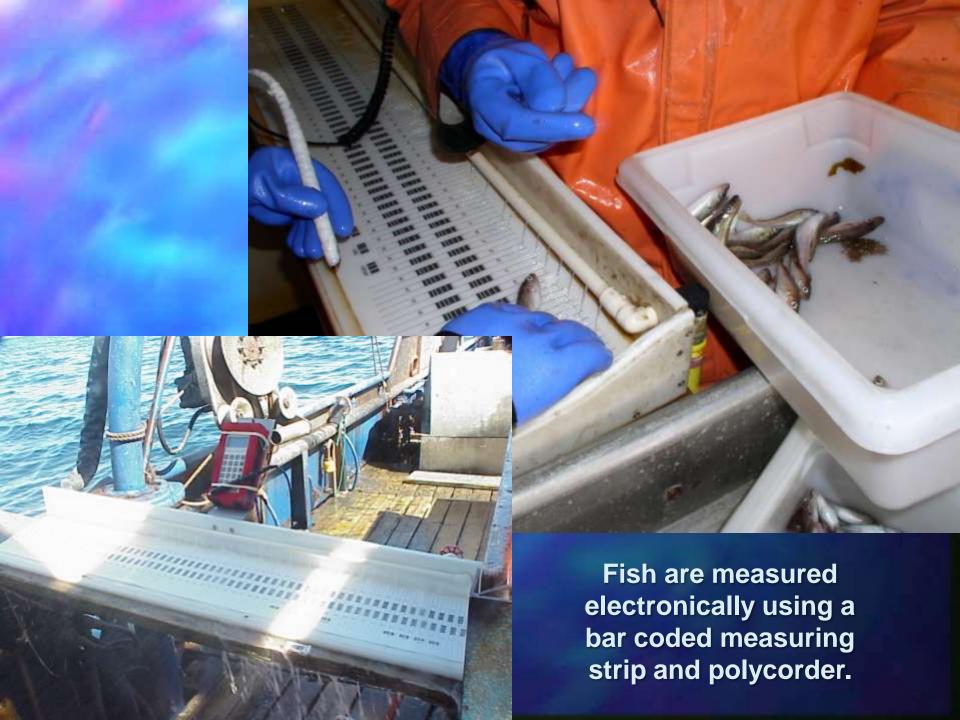
The only lifting of baskets takes place when moving them from the checker to the scale.



Checker Bin









Catch weights are entered and species composition and length frequencies are generated.

2010 Kodiak Area species composition

			% of catch
Rank	Common name	Species name	by weight
1	Arrowtooth flounder	Atheresthes stomias	23.7
2	Walleye pollock	Theragra chalcogramma	19.9
3	Flathead sole	Hippoglossoides elassodon	18.3
4	Tanner crab	Chionoecetes bairdi	10.0
5	Sunflower sea star	Pycnopodia helianthoides	2.9
6	Pacific cod	Gadus macrocephalus	2.5
7	Pacific halibut	Hippoglossus stenolepis	2.5
8	Rex sole	Glyptocephalus zachirus	1.9
9	Longnose skate	Raja rhina	1.7
10	Yellowfin sole	Pleuronectes aspera	1.6
11	Big skate	Raja binoculata	1.3
12	Bering skate	Bathyraja interrupta	1.0
13	Butter sole	Isopsetta bilineata	1.0
14	Aleutian skate	Bathyraja aleutica	1.0
15	Dover sole	Microstomus pacificus	0.9
16	Weathervane scallop	Patinopectin caurinus	0.9
17	Great sculpin	Myoxocephalus polyacanthocephalus	0.7
18	Northern rock sole	Lepidopsetta polyxystra	0.6
19	Spiny dogfish	Squalus acanthias	0.6
20	Sea anemone	Order: Actinaria	0.6
	All others	(118 species)	6.6
			100.0



Tanner Crab

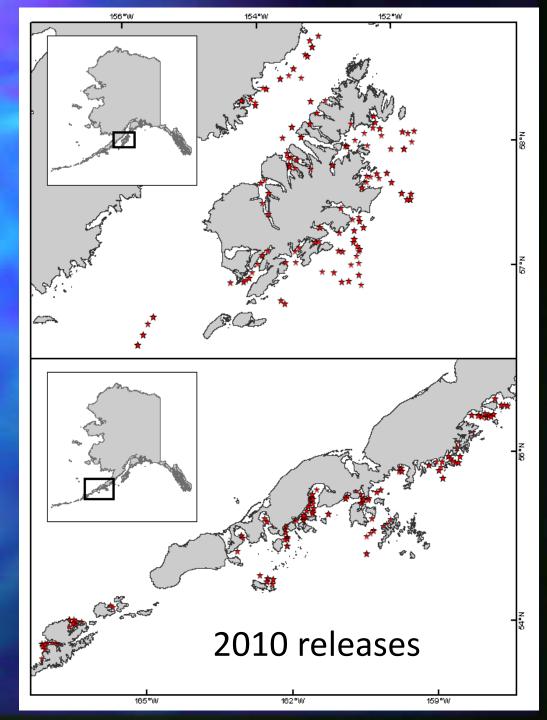
2004 adults: First seen in 2001 as pre-recruit 4, resulted in highest legal male population to that date in 2005

2006 pre-recruit 4: Resulted in new highest legal male population to date in 2010



Cod Tagging







Pollock otoliths collected



Other groundfish collections:

- Marmot Bay stomach collections for NMFS
 - Flathead Sole

- -Pacific Halibut
- Arrowtooth Flounder
- -Pacific cod

- Walleye pollock -Northern Rock Sole
- Collections for Alaska Department of **Environmental Conservation**
 - Walleye pollock
 - Pacific cod
 - Sablefish
 - Pacific Ocean Perch

Field guide preparation



Skate data collection

In 2006 and 2007 personnel from Moss Landing Marine Labs on board for data collection purposes.



