



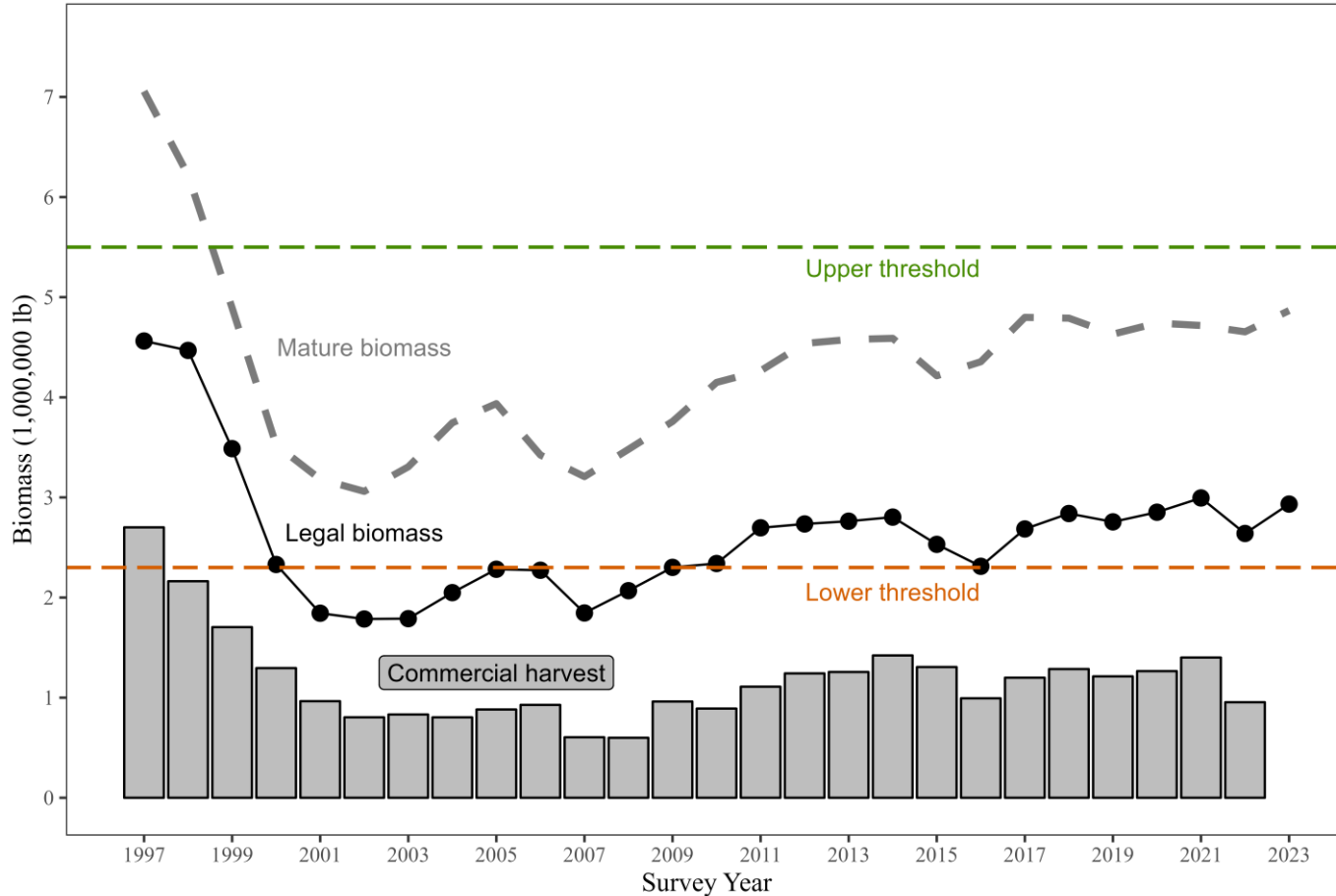
2023 Tanner Crab Survey Results



KING AND TANNER TASK FORCE MEETING
11.27.2023

Trends in Male Tanner crab:

Southeast Alaska Tanner crab regional biomass (survey and non survey areas)





SEAK Mature
Tanner Crab
Biomass:

2023 Estimate (current season):
5.12 million pounds

2022 Estimate (last season):
4.65 million pounds

Tanner Crab Harvest Strategy

5 AAC 35.113

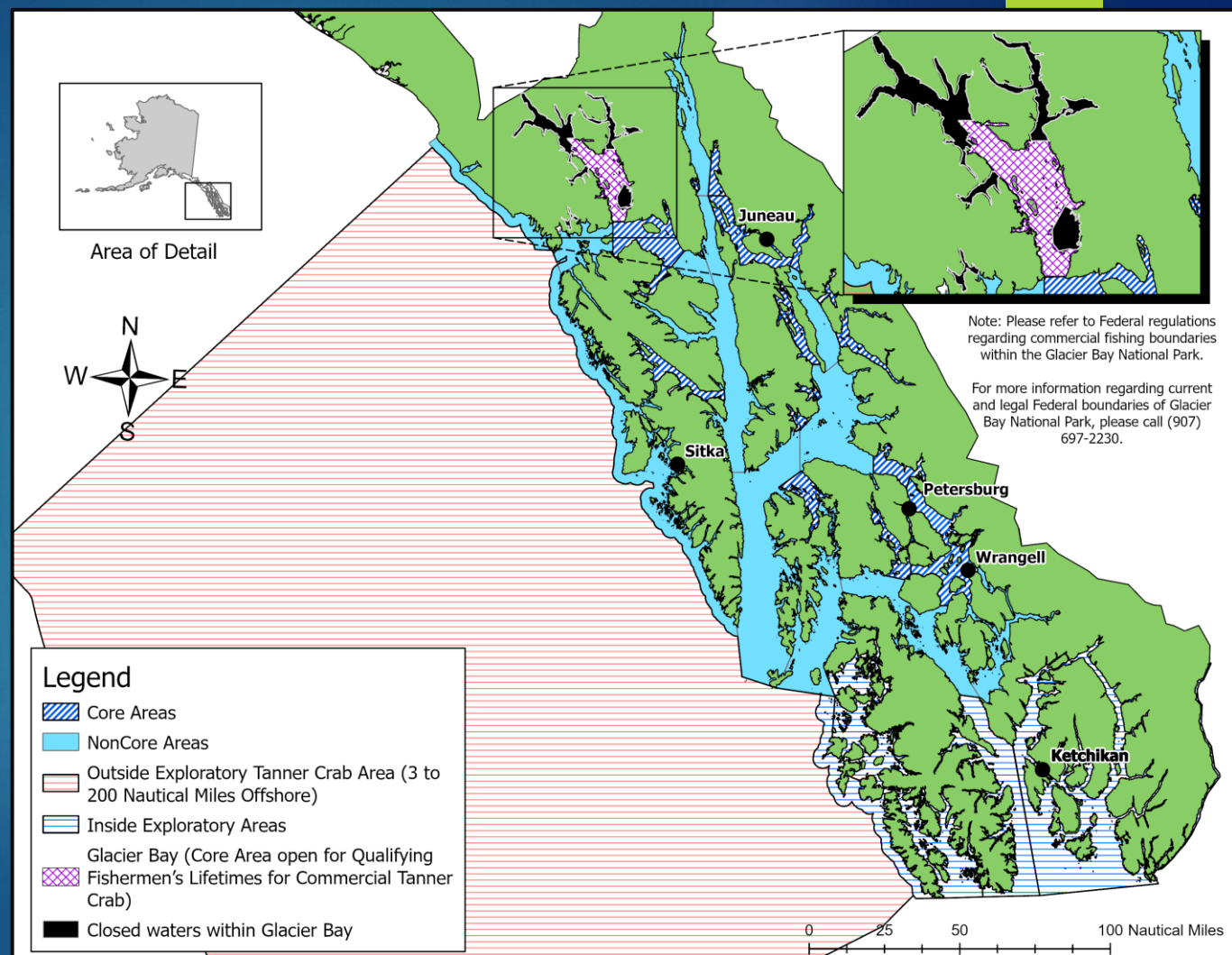
(2) at the end of the initial period, the core areas will close to fishing, and the noncore, inside exploratory areas, and outside exploratory areas will remain open for an additional five days; after the noncore areas close to fishing, the inside exploratory areas and outside exploratory areas will remain open for an additional fourteen days; after the inside exploratory areas close to fishing, the outside exploratory areas will remain open through March 31.

Pots Registered	Additional Fishing Days	Additional Fishing Days
	<i>Mature Biomass is Between 2,300,000 and 5,500,000 lb</i>	<i>Mature Biomass is Greater than 5,500,000 lb</i>
1,600 – 2,399	4 Additional Days	5 Additional Days
2,400 – 3,199	3 Additional Days	4 Additional Days
3,200 – 3,999	2 Additional Days	3 Additional Days
4,000 – 5,599	1 Additional Days	2 Additional Days
5,600 – 7,000	0 Additional Days	1 Additional Days

Last Year →

2024

Commercial Tanner Crab Management Core, Noncore, Inside Exploratory, Outside Exploratory and Closed Areas



Catch Survey Analysis (CSA) Overview



Highlights →

- **5.12 million pounds of mature male crab (>108 mm carapace width).**
- **3.03 million pounds of legal male crab (>140 mm carapace width).**
- **Increase of 0.47 million pounds of mature male Tanner crab (+10.11%) from the 2022 estimate.**

Stock Health:

- Poor in TWO areas.
- Below average in TWO area.
- Moderate in TWO areas.
- Above average in FIVE areas.
- Healthy in ZERO areas.

Survey Areas

Summer Survey:

Stephens Passage

Seymour Canal

North Juneau

Excursion Inlet

Pybus Bay

Gambier Bay

Peril Strait (Biennial)

Lynn Sisters

Fall Survey:

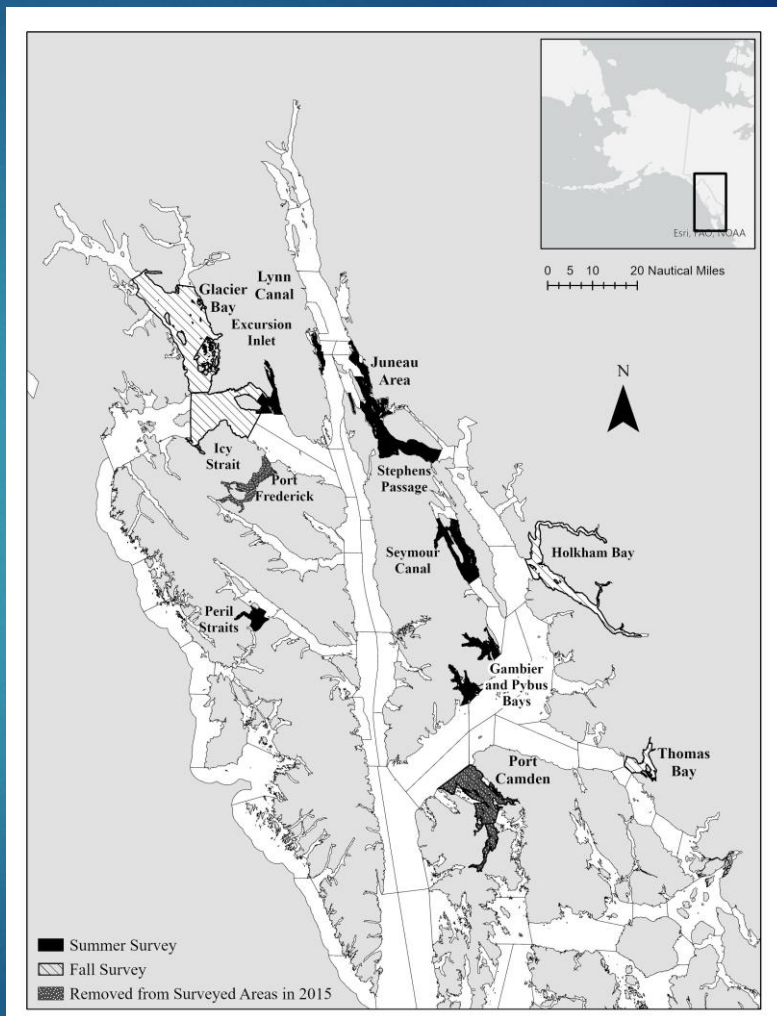
Icy Strait

Glacier Bay

Thomas Bay

Holkham Bay

Surveyed areas made up 61.1% of
2023 fishery



Stock Health Overview

Total score is the sum of scores (+1, 0, -1 for long-term; +.25, 0, -.25 for short-term) for each response variable

Score	Stock health
< -3.25	Poor
≥ -3.25 to < -1.25	Below average
≥ -1.25 to ≤ 1.25	Moderate
> 1.25 to ≤ 3.25	Above average
> 3.25	Healthy

Stock Health Overview



Survey Area	2022 total score	2022 stock status	2022 harvest rate	2023 total score	2023 stock status	2023 harvest rate
Icy Strait	-0.75	moderate	10%	-1.75	below average	5%
Glacier Bay	0.75	moderate	10%	1.50	above average	15%
Stephens Passage	4.50	healthy	20%	1.50	above average	15%
Thomas Bay	1.00	moderate	10%	-2.50	below average	5%
Holkham Bay	4.25	healthy	20%	1.75	above average	15%
Seymour Canal	4.25	healthy	20%	2.25	above average	15%
North Juneau	2.00	above average	15%	-0.50	moderate	10%
Excursion Inlet	-2.00	below average	5%	-3.75	poor	0%
Pybus Bay	1.00	moderate	10%	-0.25	moderate	10%
Gambier Bay	-0.50	moderate	10%	-4.00	poor	0%
Peril Strait	0.75	moderate	10%			
Lynn Sisters	-1.00	moderate	10%	2.00	above average	15%

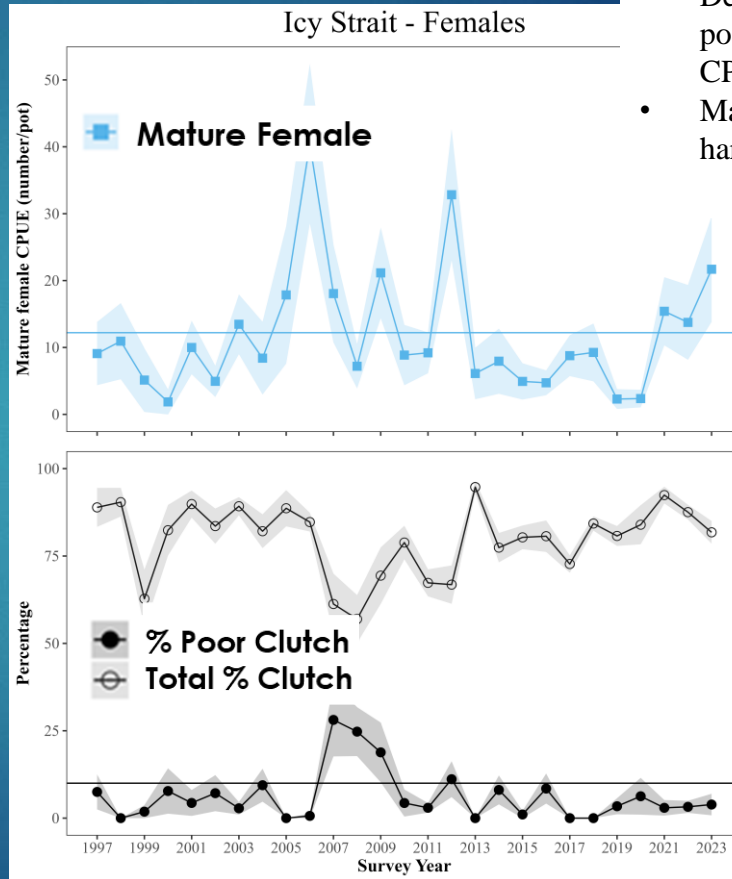
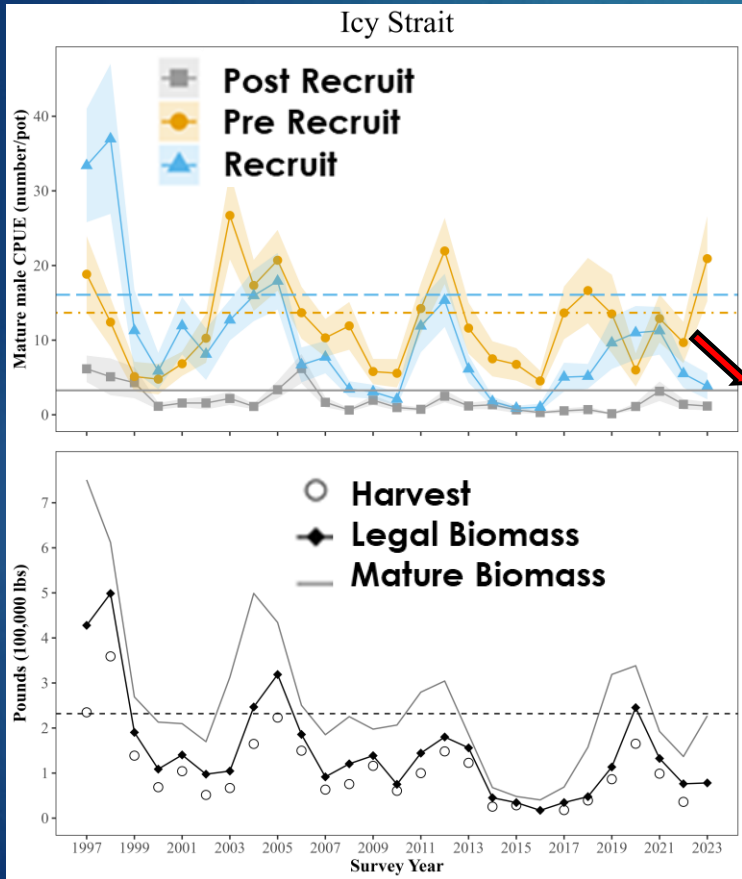
Bay
by
Bay
Review

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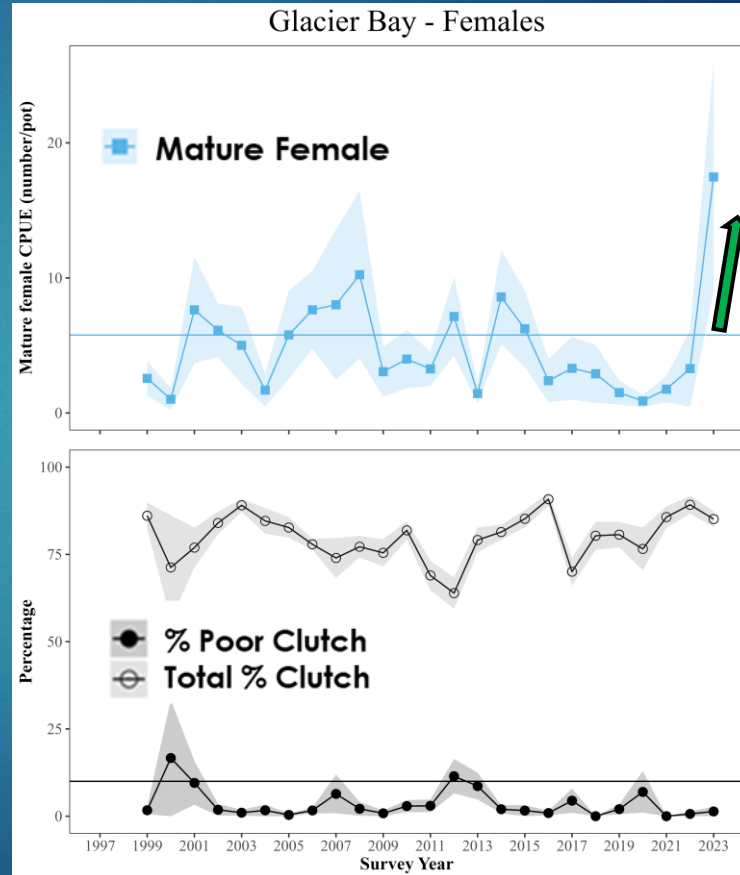
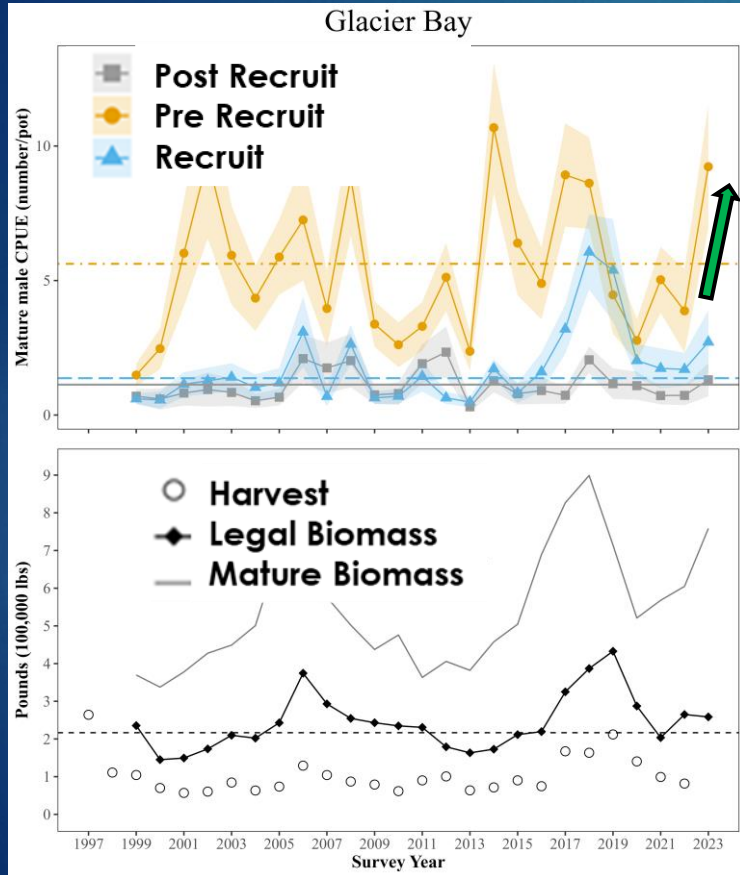


Icy Strait

- Decreased from moderate to below avg
- Decrease in recruit and post-recruit male CPUE
- Made up 3.8% of 2023 harvest



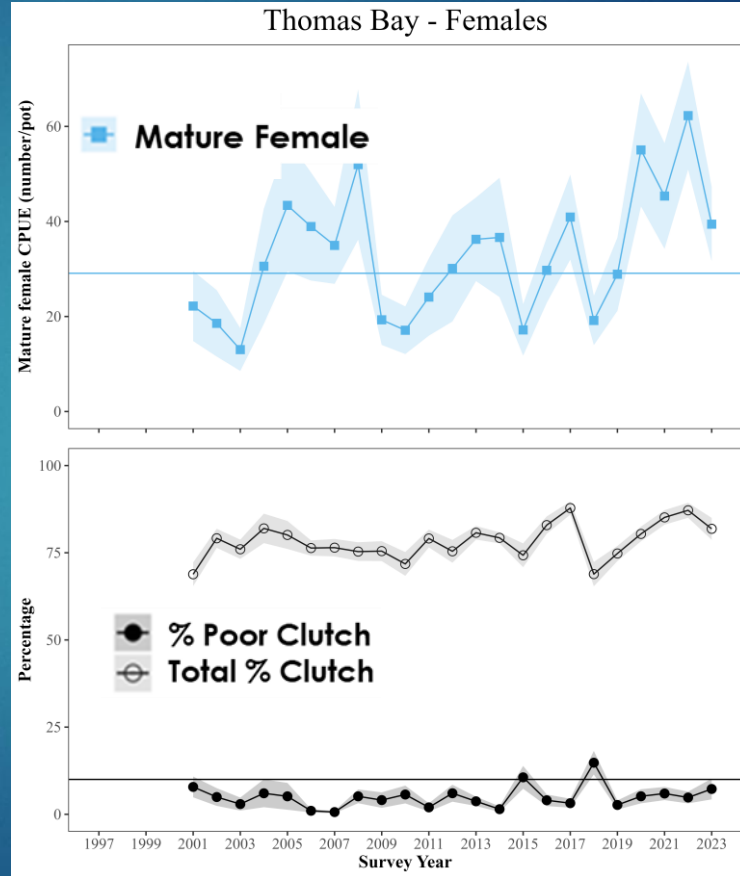
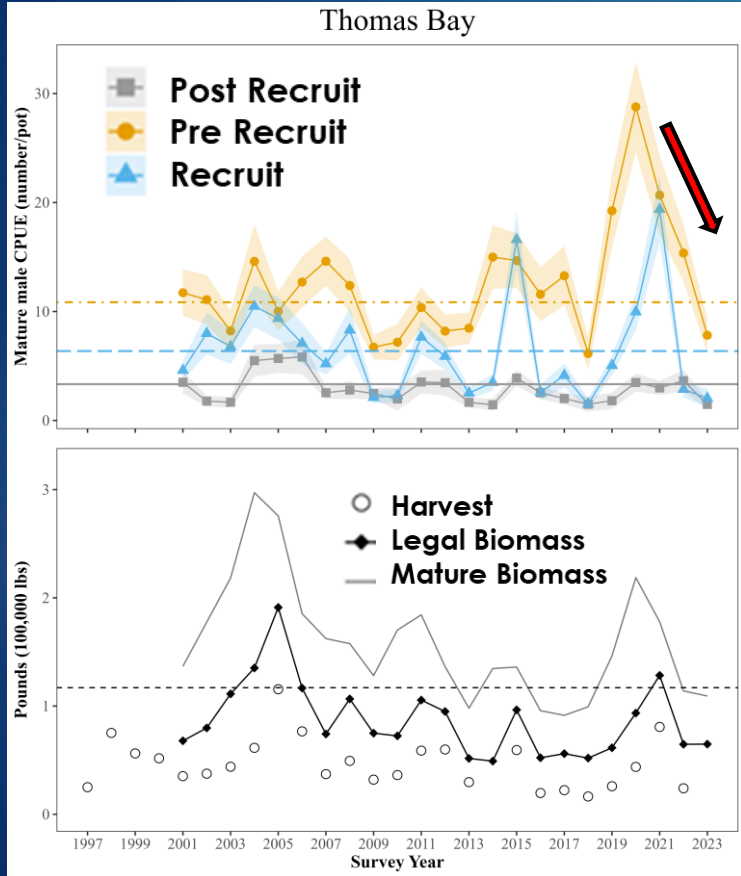
Glacier Bay



- Increased from moderate to above avg stock health
- Increase in pre-recruit and mature female CPUE
- Made up 8.6% of 2023 harvest

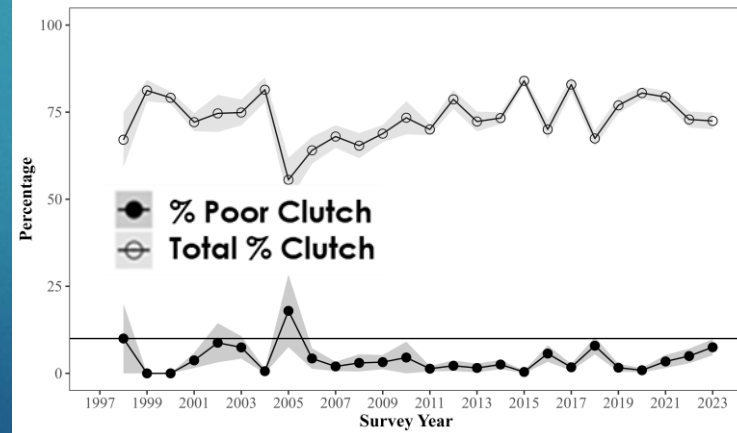
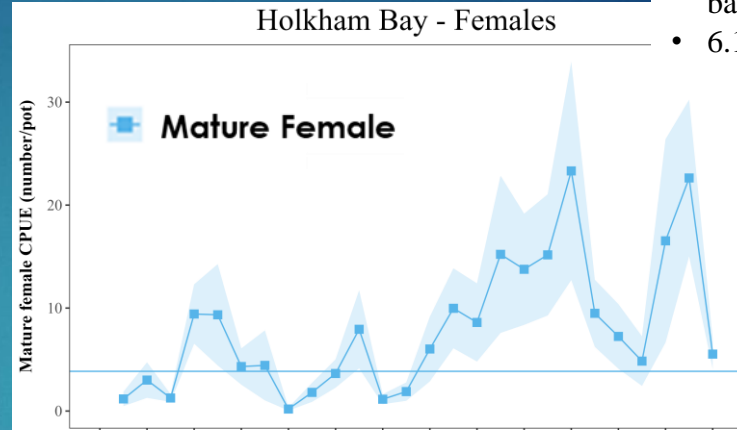
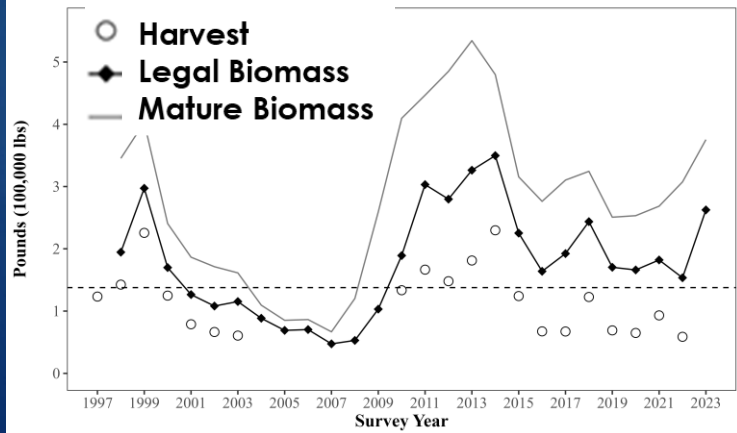
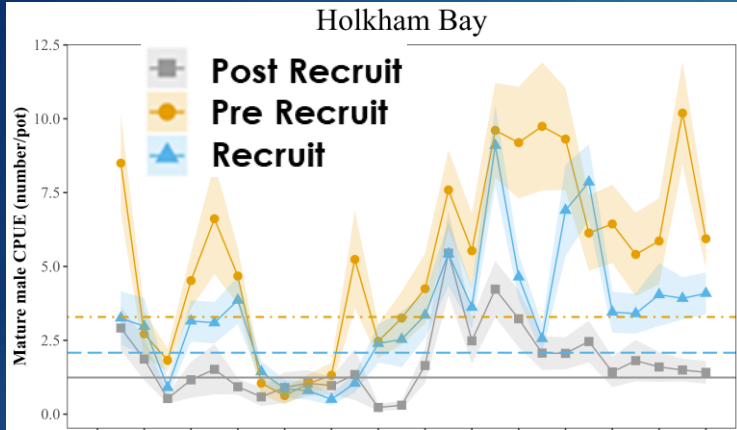
Thomas Bay

- Decreased from moderate to below avg stock health
- Decrease in recruit and pre-recruit male CPUE
- 2.5% of last year harvest



Holkham Bay

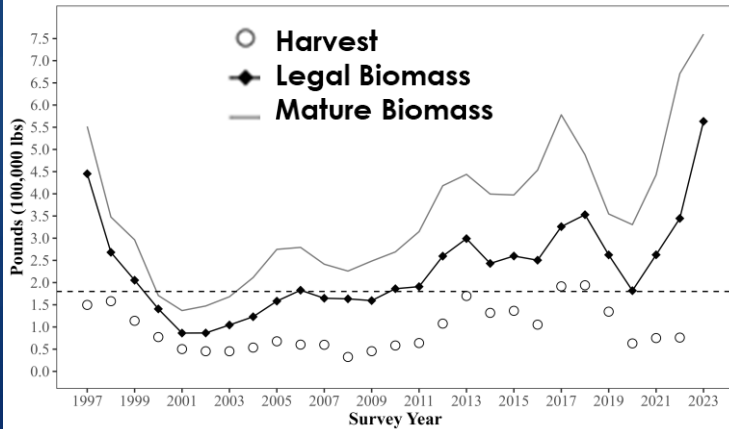
- Decreased from healthy to avg stock health
- All CPUEs at or above baseline
- 6.1% of 2023 harvest



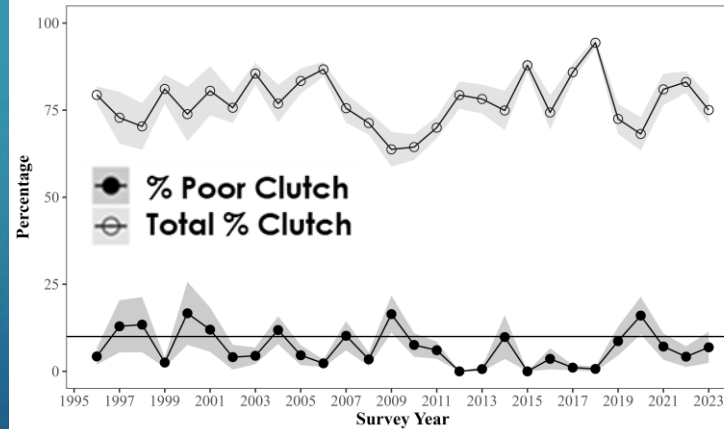
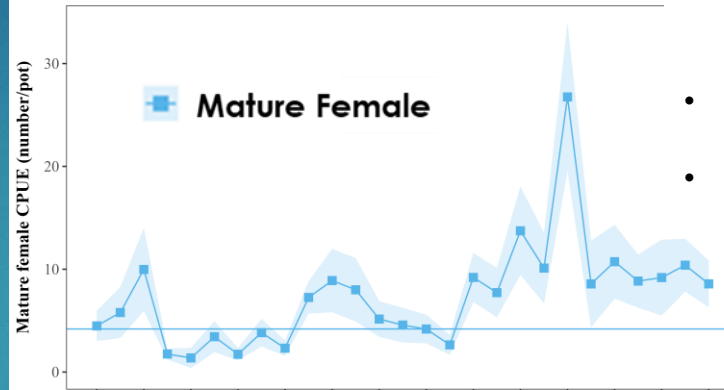
Seymour Canal

- Decreased from healthy to above avg stock health
- All recruit classes above long term average
- Biomass above long term average
- 8% of 2023 harvest

Seymour Canal



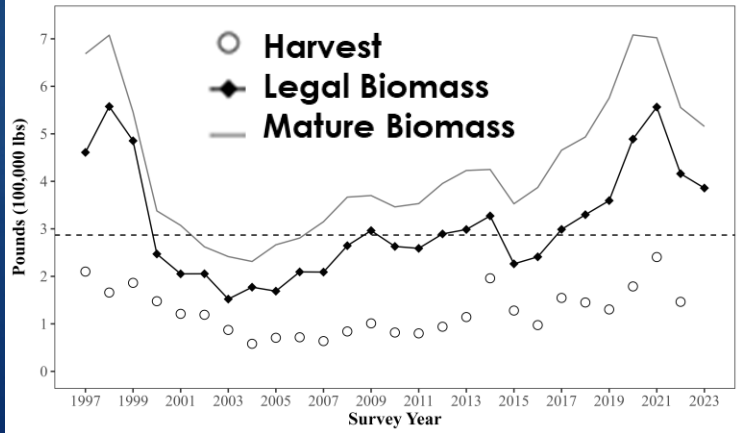
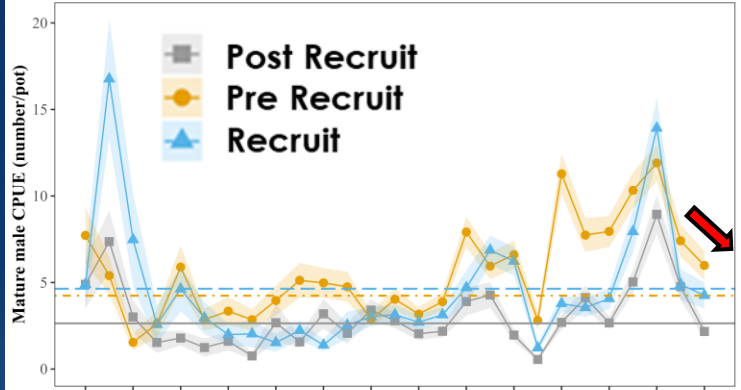
Seymour Canal - Females



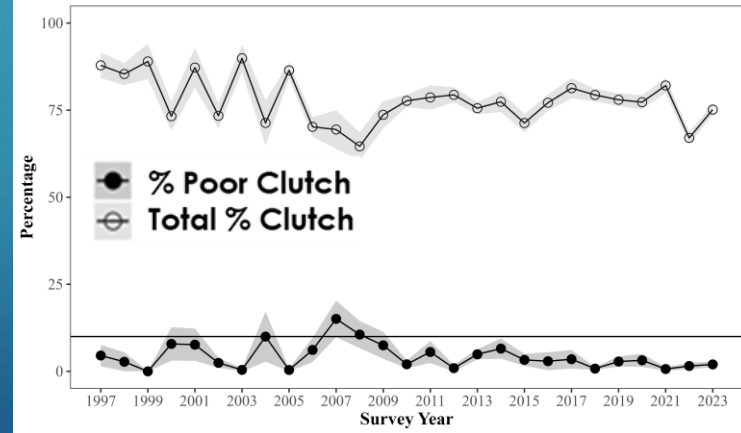
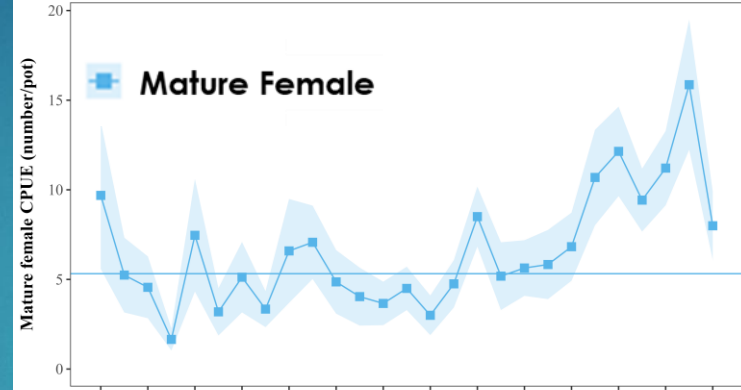
Stephens Passage

- Decreased from healthy to above avg stock status
- Pre-recruit CPUEs above baseline
- 15.3% of 2023 harvest

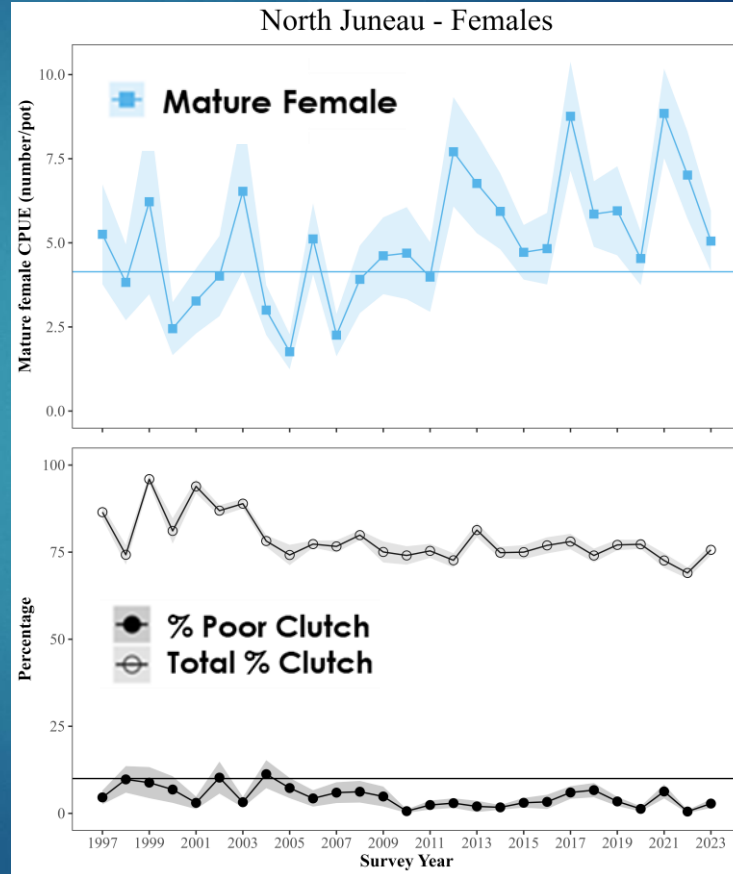
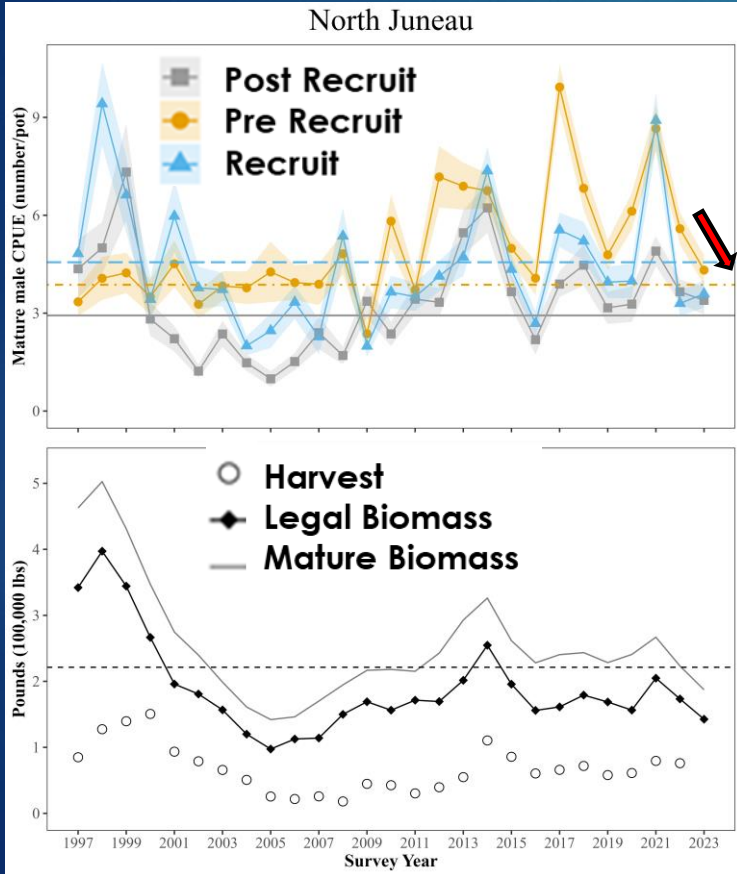
Stephens Passage



Stephens Passage - Females



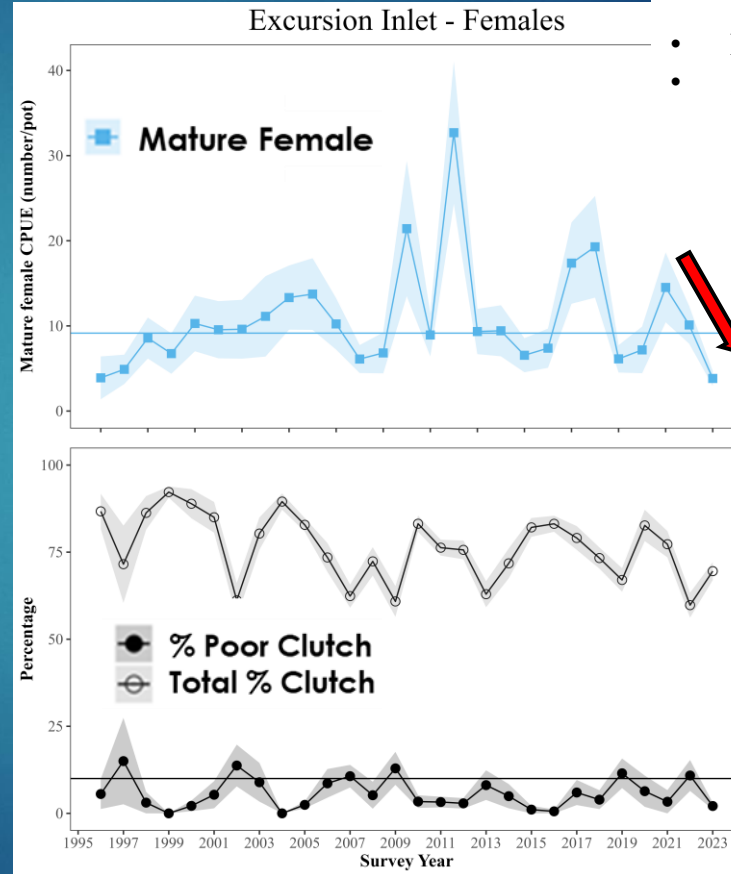
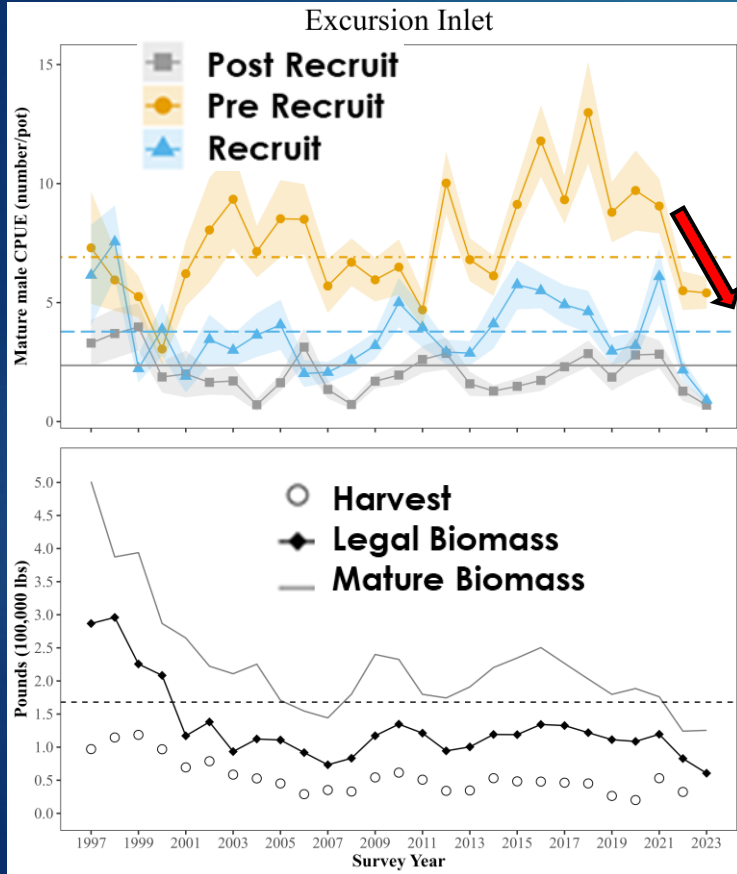
North Juneau



- Decreased from above avg to moderate
- Decrease in recruit and pre-recruit CPUE
- 8% of 2023 harvest

Excursion Inlet

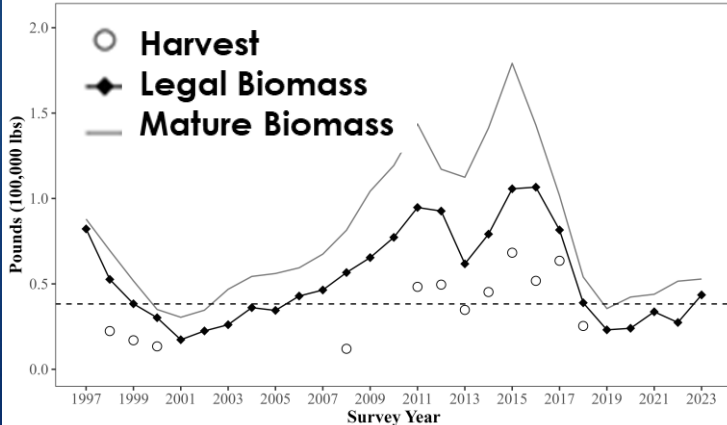
- Decreased from below avg to poor
- All mature male CPUE below baseline value
- Decreasing biomass
- 3.4% of 2023 harvest



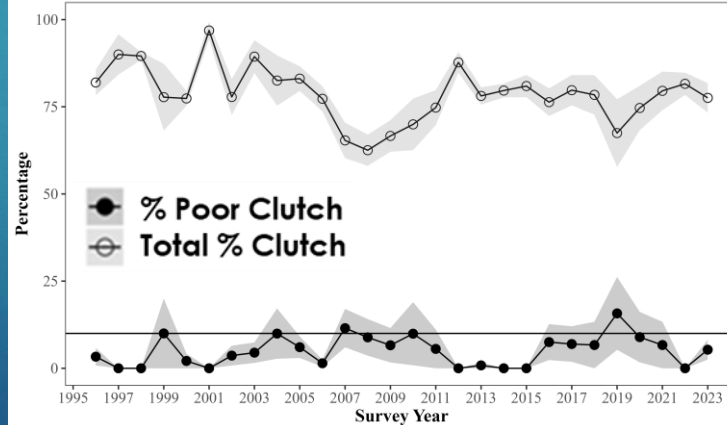
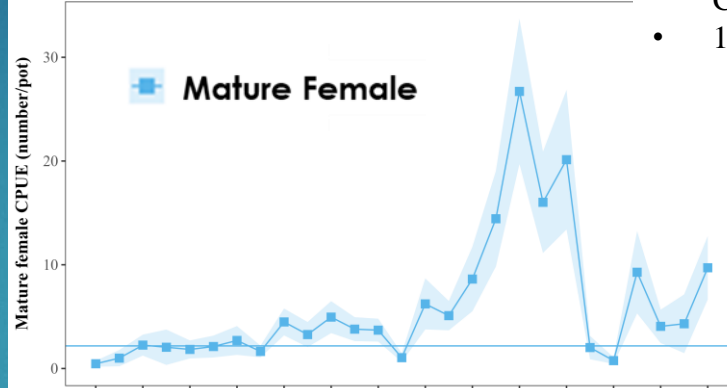
Pybus Bay

- Moderate stock status
- Significant short term decrease pre-recruit CPUE
- 1.4% of 2023 harvest

Pybus Bay

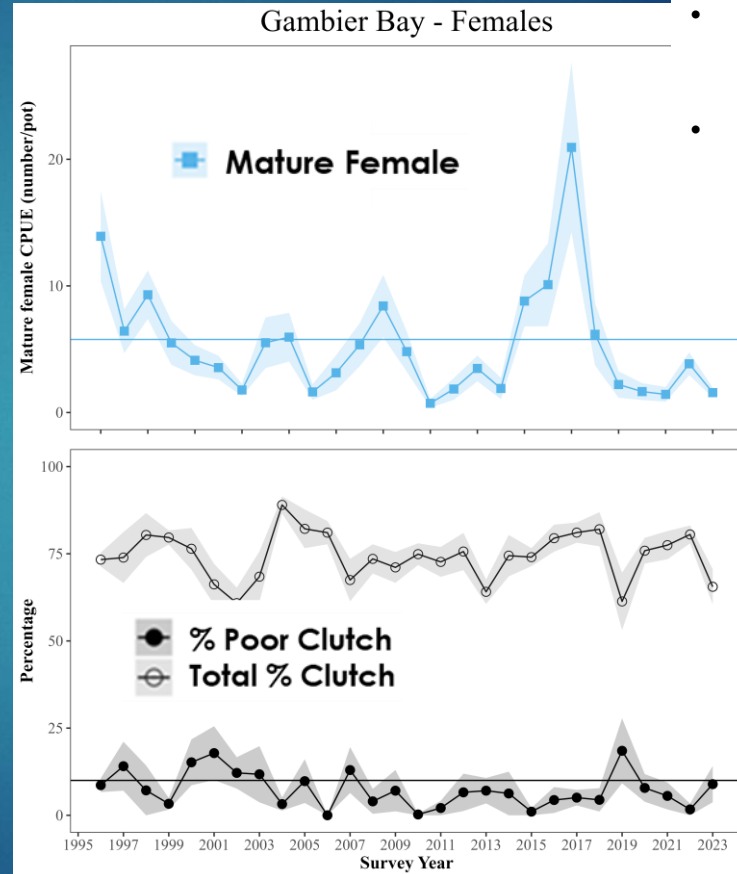
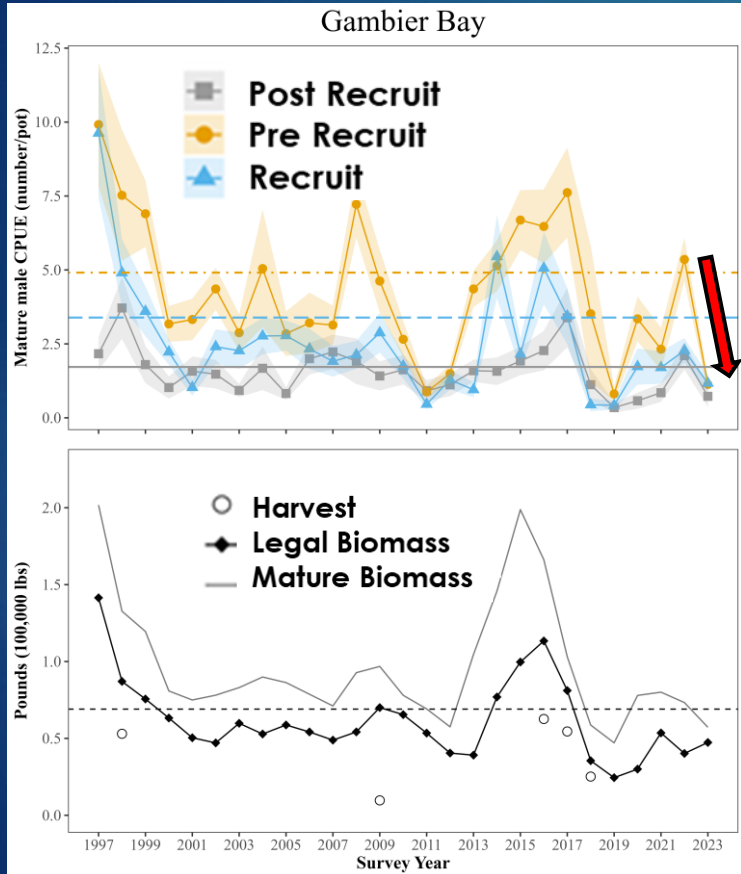


Pybus Bay - Females



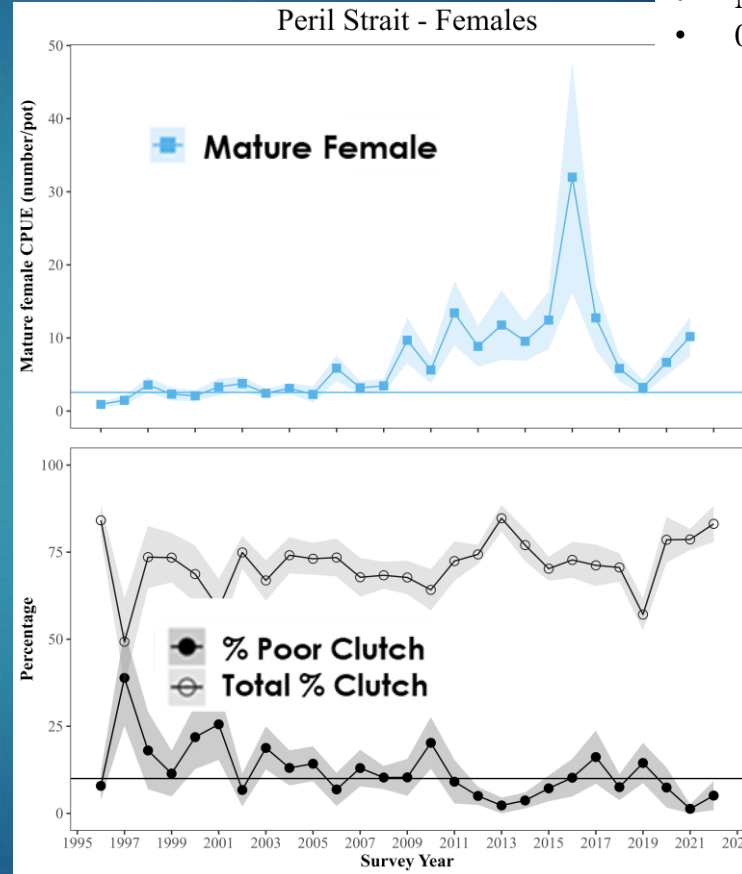
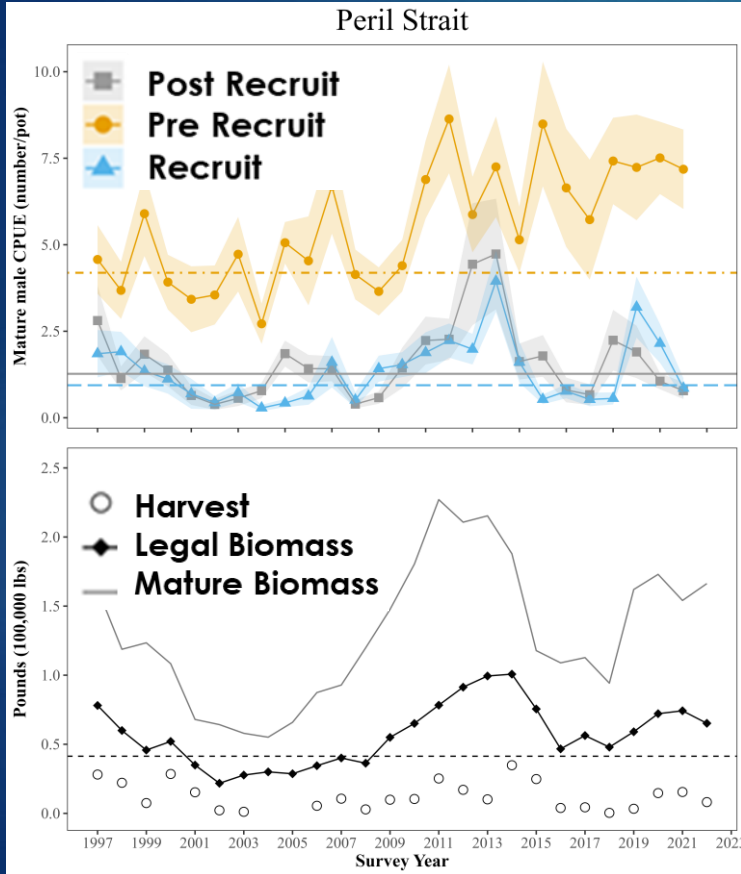
Gambier Bay

- Decreased from moderate to poor stock status
- All sex/size classes CPUE decreased to below long term avg
- 1.9% of 2023 harvest



Peril Strait

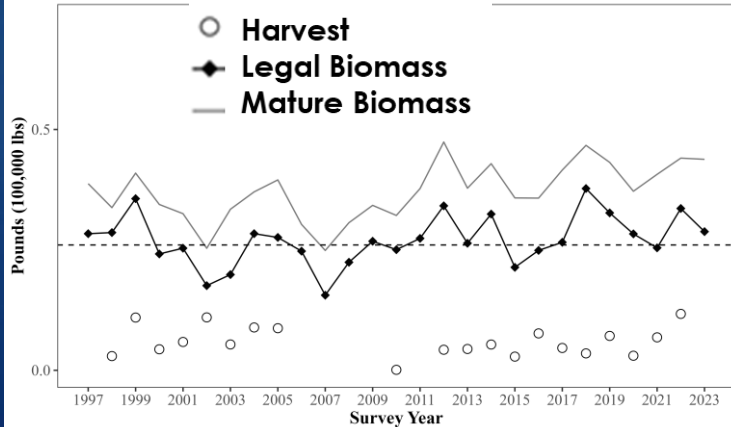
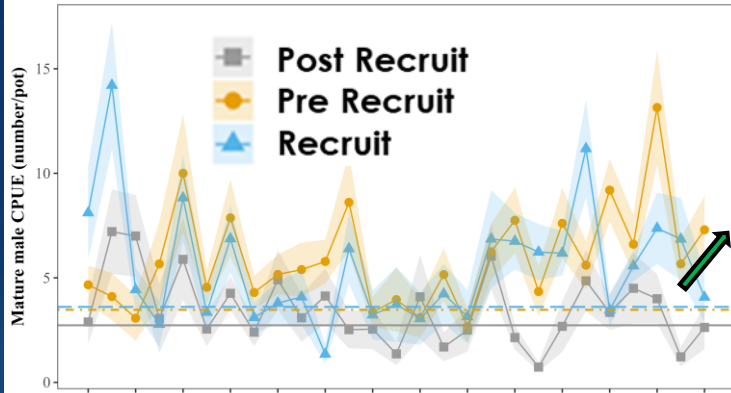
- Moderate 2022 stock status
- Not Surveyed in 2023
- 0.9% of 2023 harvest



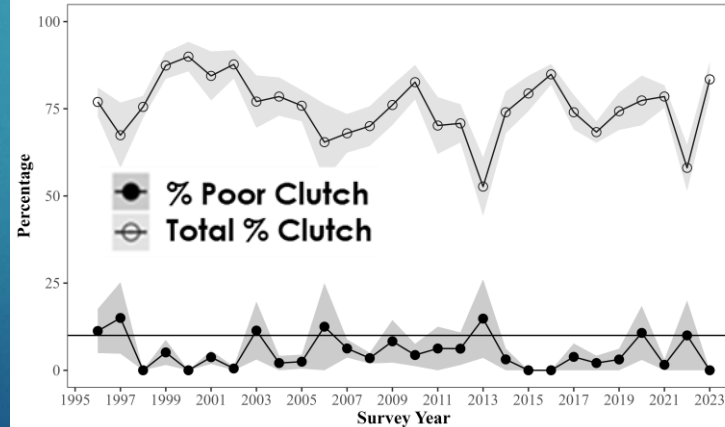
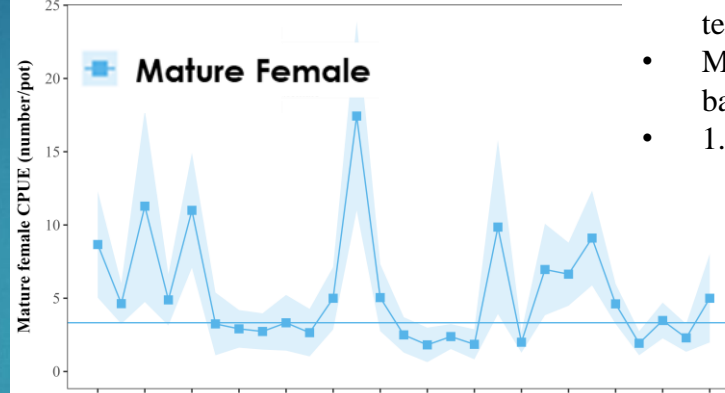
Lynn Sisters

- Increased from moderate to above avg stock status
- Pre-recruit above long term avg
- Male biomass above baseline
- 1.2% of 2023 Harvest

Lynn Sisters



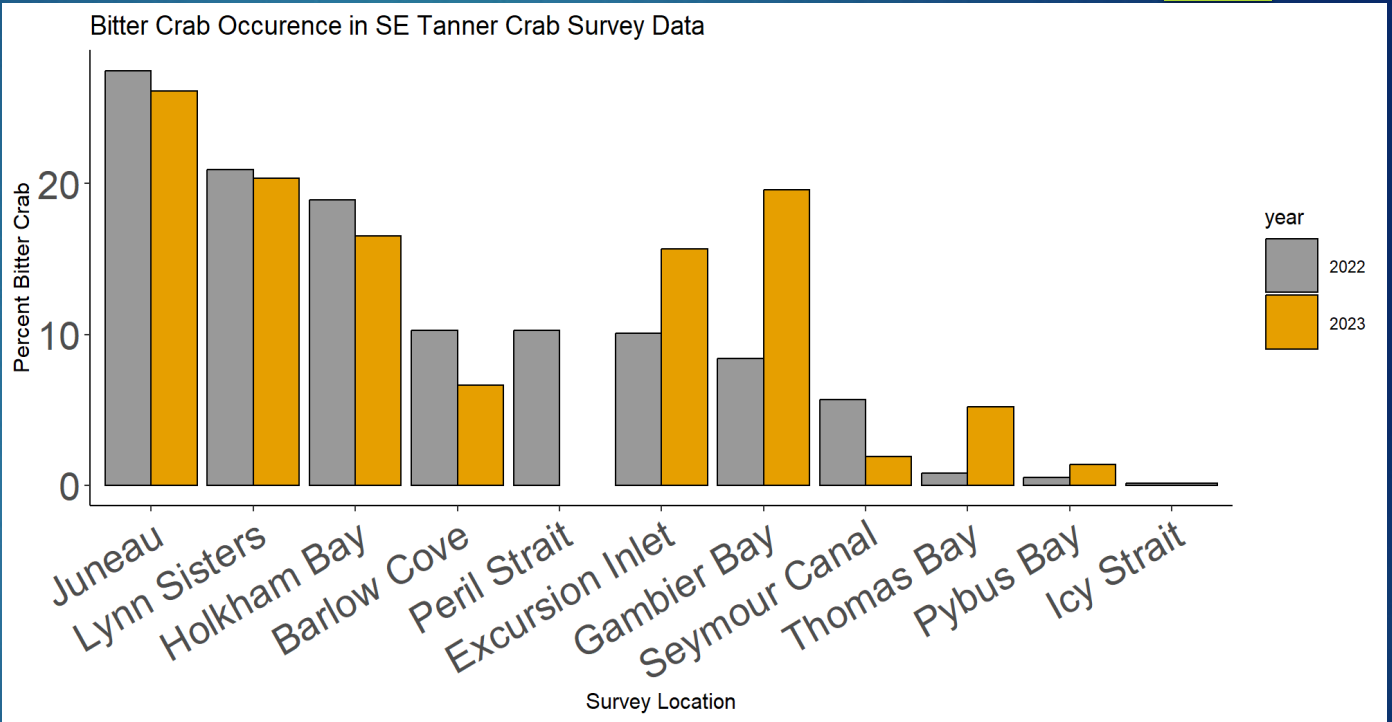
Lynn Sisters - Females



Bitter Crab

Survey

Location	% Bitter 2022	% Bitter 2023
Juneau	27.5	26.1
Lynn Sisters	20.9	20.3
Barlow Cove	10.3	6.6
Holkham Bay	18.9	16.5
Peril Strait	10.3	N/A
Excursion Inlet	10.1	15.7
Gambier Bay	8.4	19.6
Thomas Bay	0.8	5.2
Seymour Canal	5.7	1.9
Pybus Bay	0.5	1.4



Southeast Com Area	% Bitter 2022*	% Bitter 2023*
11-A	26	14
15-A	31	52
15-C & B	21	15

* Some bitter crab sorted at sea

Thanks!

