



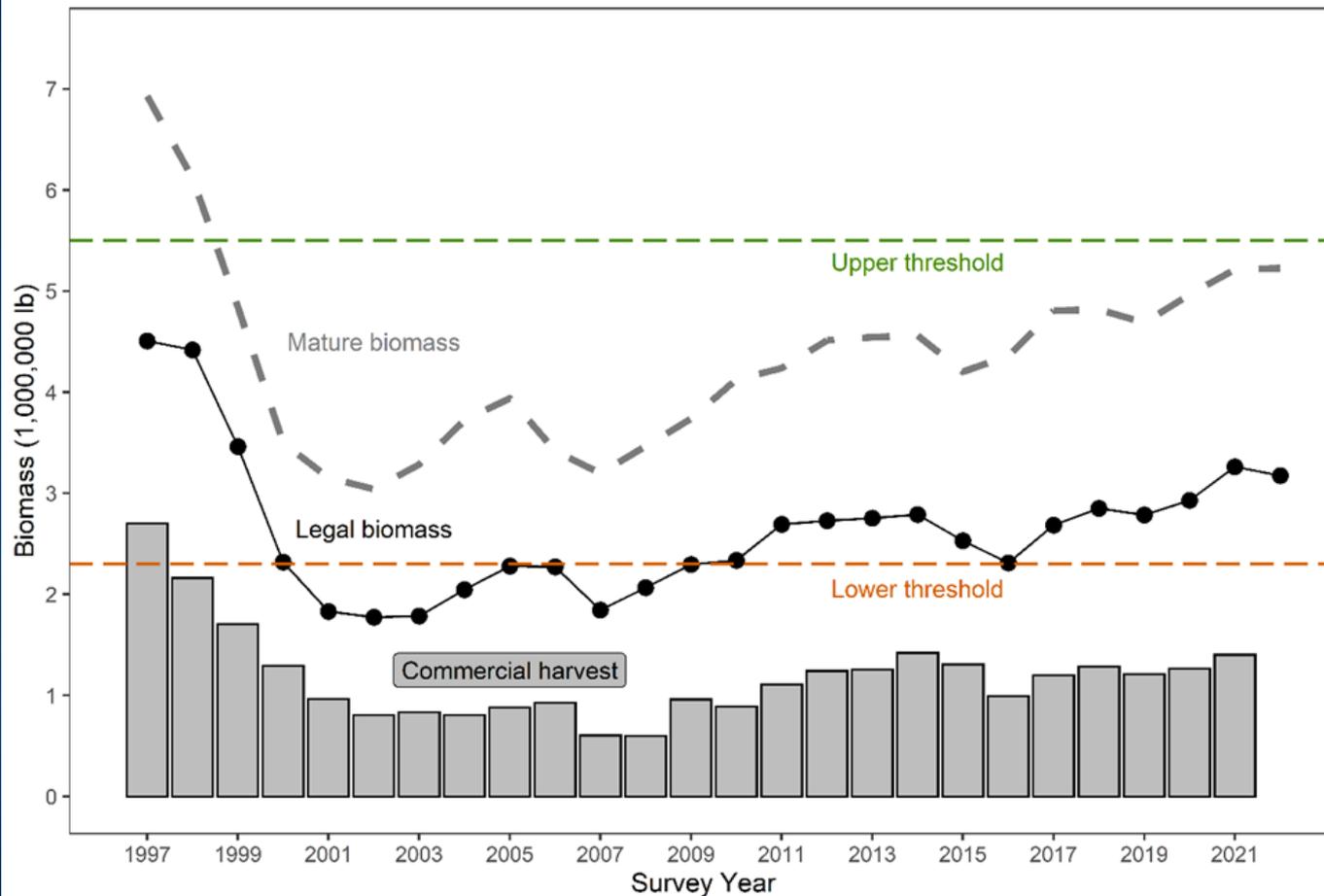
2022 Tanner Crab Survey Results



KING AND TANNER TASK FORCE MEETING
12/14/2022

Trends in Male Tanner crab:

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





SEAK Mature
Tanner Crab
Biomass:

2021/2022:

Estimate: 5.81 million pounds

2022/2023 (current season):

Estimate: 5.23 million pounds

Tanner Crab Harvest Strategy

5 AAC 35.113

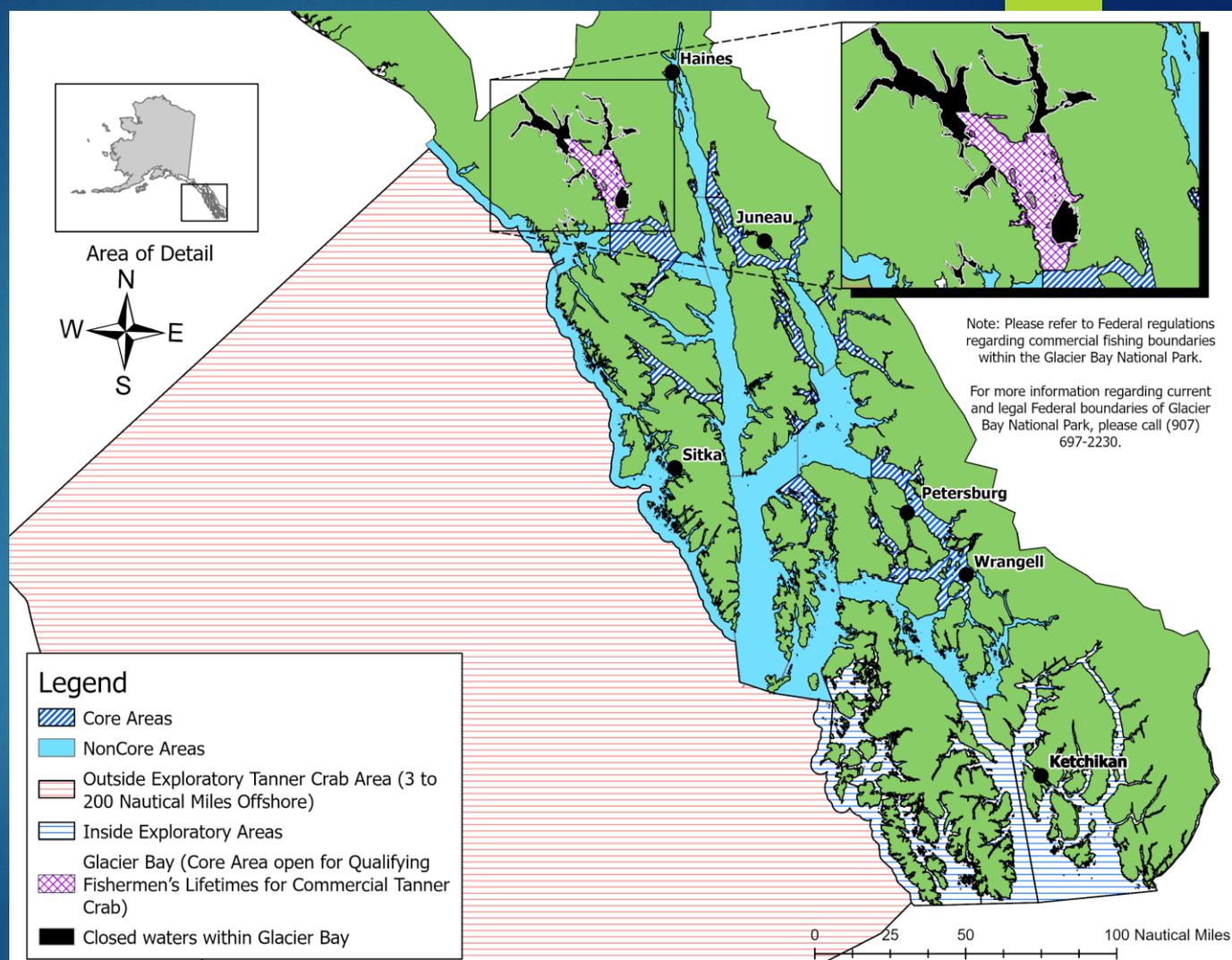
(2) at the end of the initial period, the core areas will close to fishing, and the noncore, inside exploratory areas, and outside exploratory areas will remain open for an additional five days; after the noncore areas close to fishing, the inside exploratory areas and outside exploratory areas will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

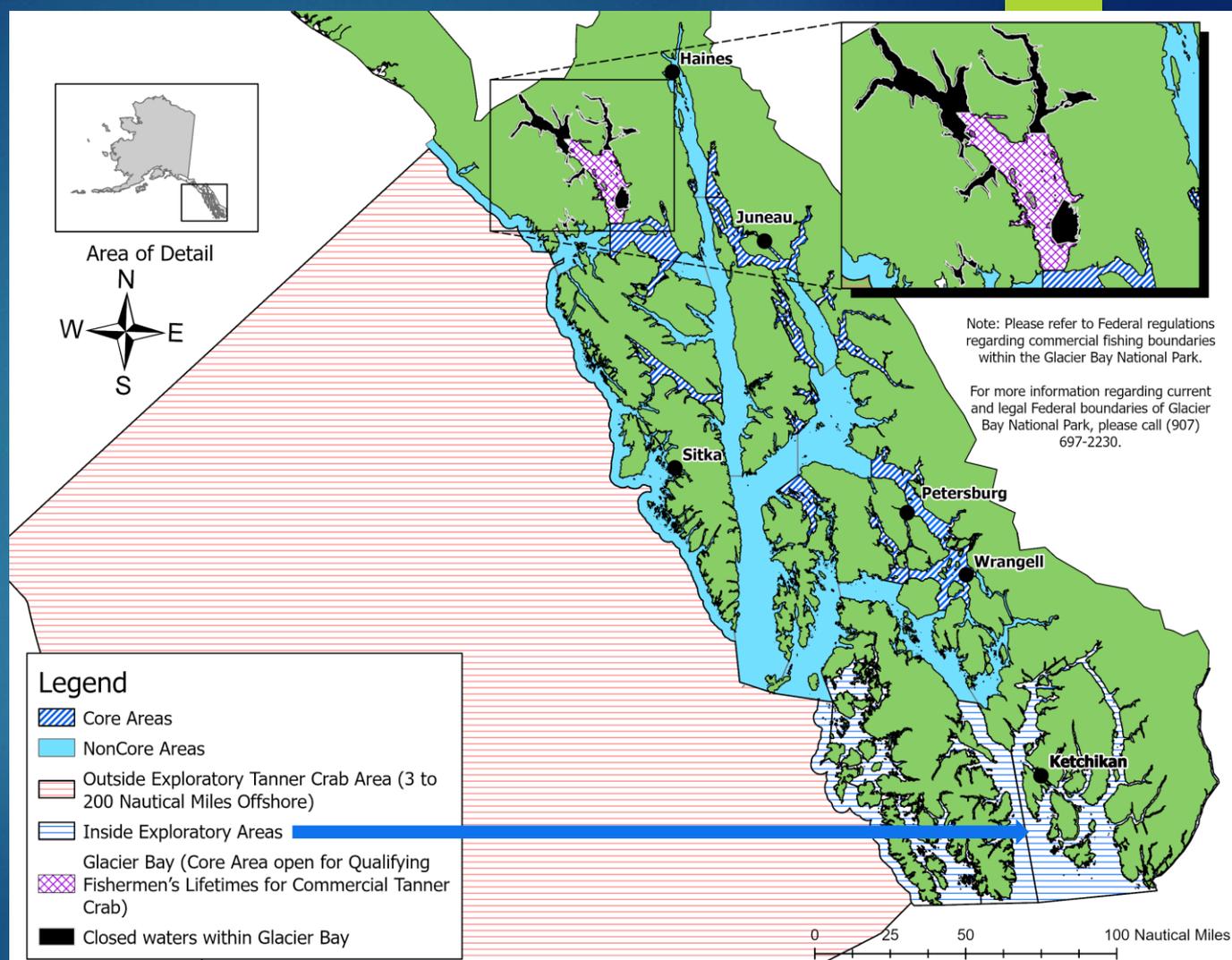
Last Year

2022/2023

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



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



Catch Survey Analysis (CSA) Overview



Highlights →

- **5.23 million pounds of mature male crab (>108 mm carapace width).**
- **3.17 million pounds of legal male crab (>140 mm carapace width).**
- **Decrease of 0.46 million pounds of legal male Tanner crab (-12.5%) from the 2021 estimate.**

Stock Health:

- No Poor areas.
- Below average in ONE area.
- Moderate in SEVEN areas.
- Above average in ONE area.
- Healthy in THREE areas.

Survey Areas

Summer Survey:

Stephens Passage

Seymour Canal

North Juneau

Excursion Inlet

Pybus Bay

Gambier Bay

Peril Strait

Lynn Sisters

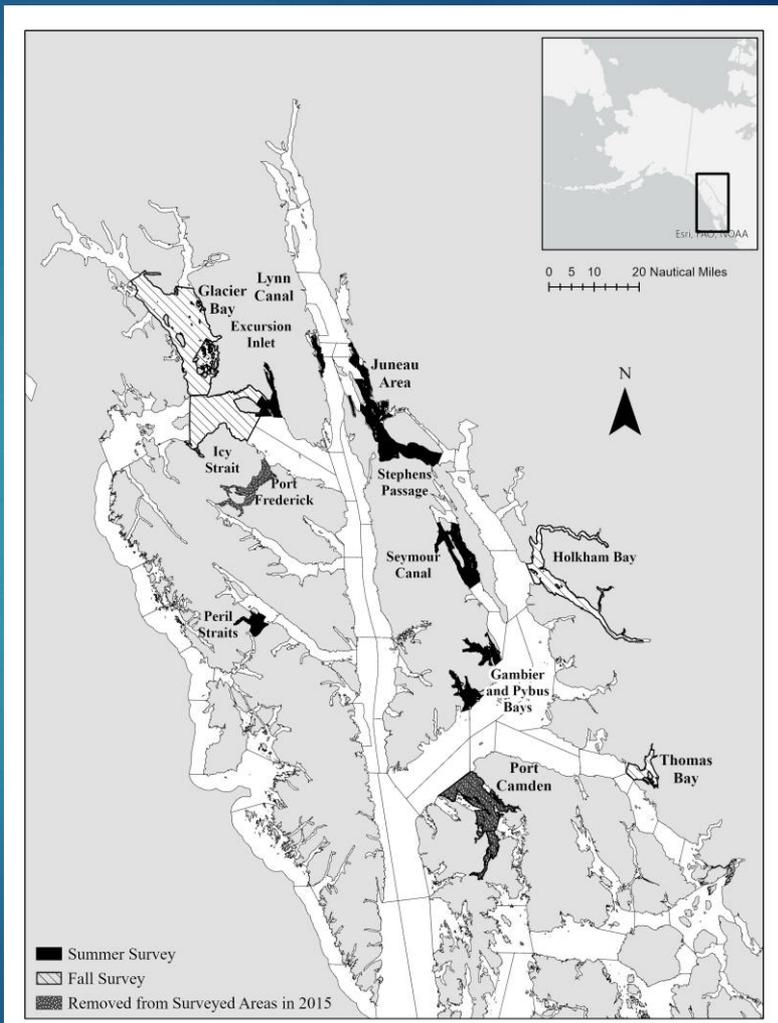
Fall Survey:

Icy Strait

Glacier Bay

Thomas Bay

Holkham Bay



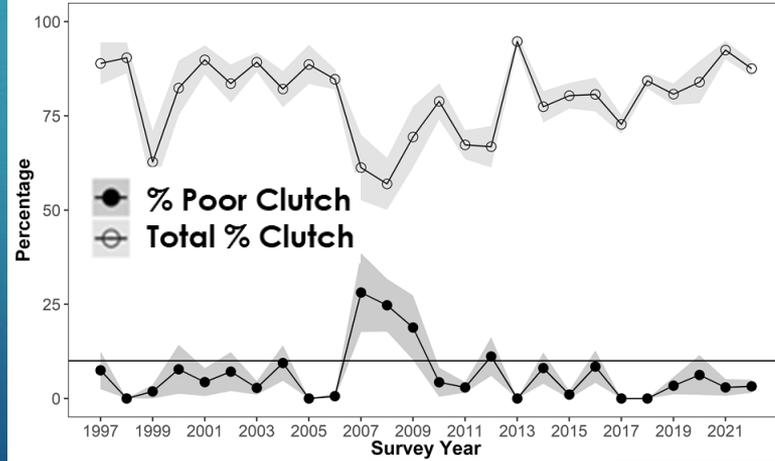
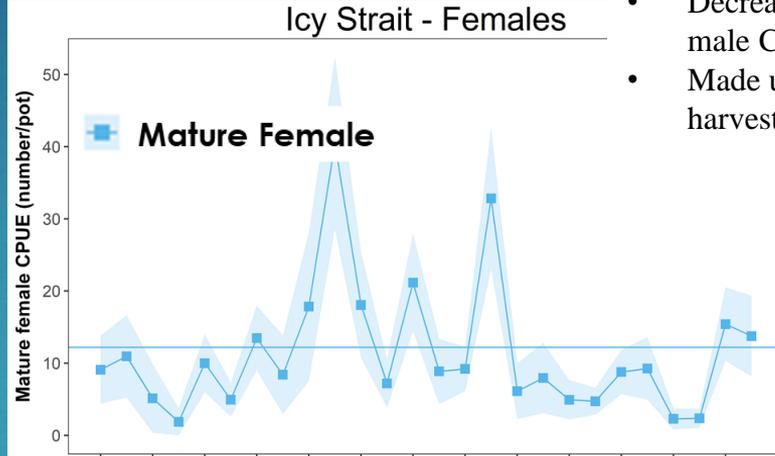
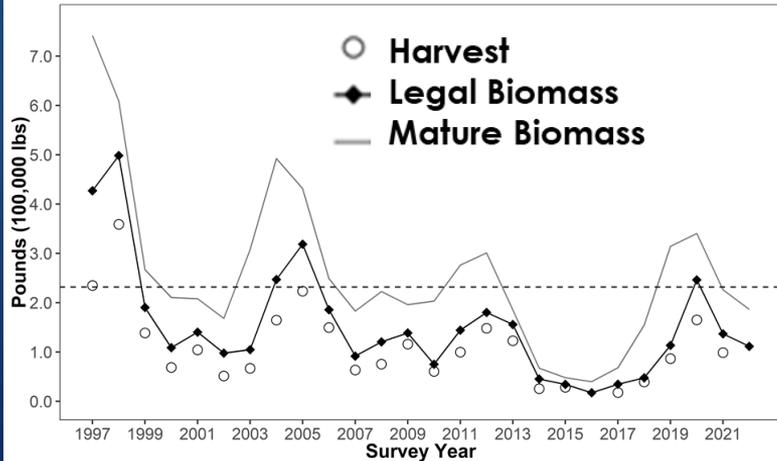
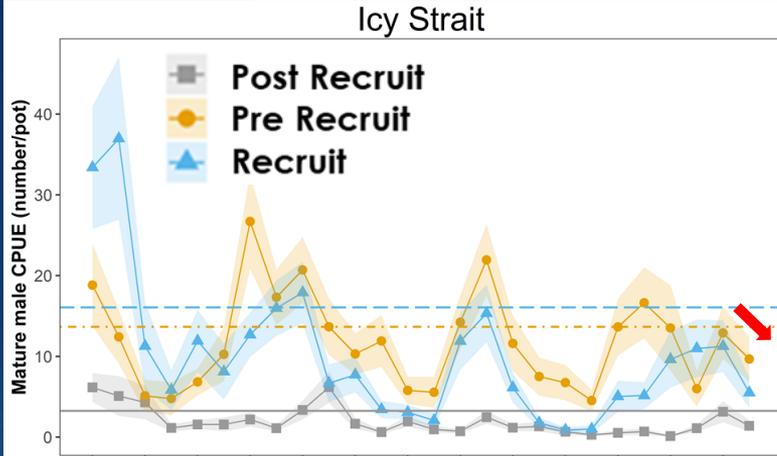
Bay
by
Bay
Review

...



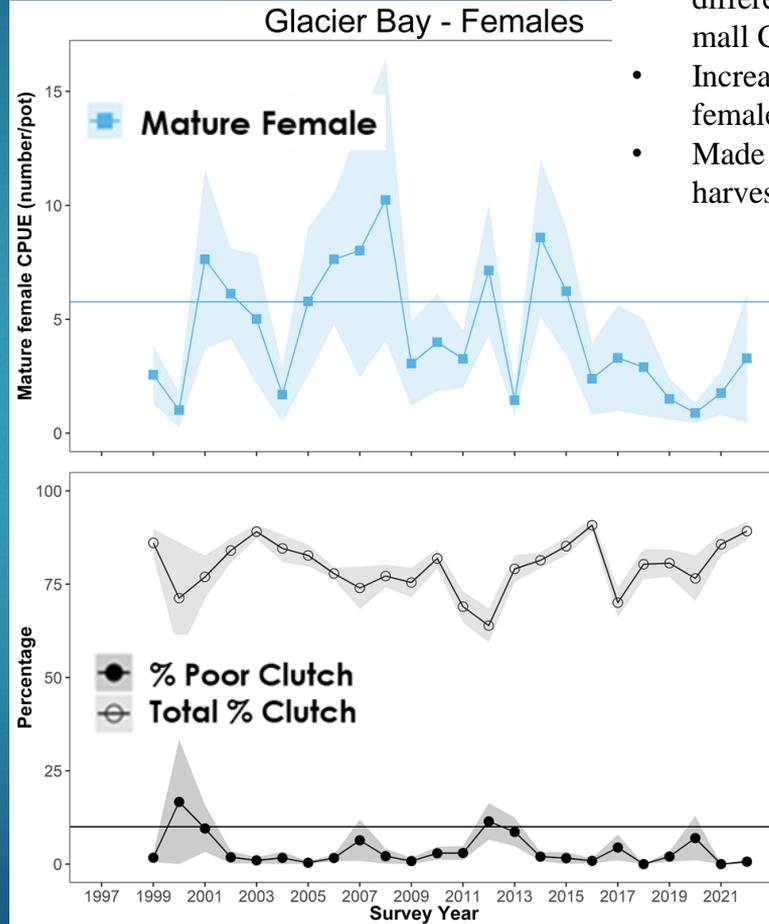
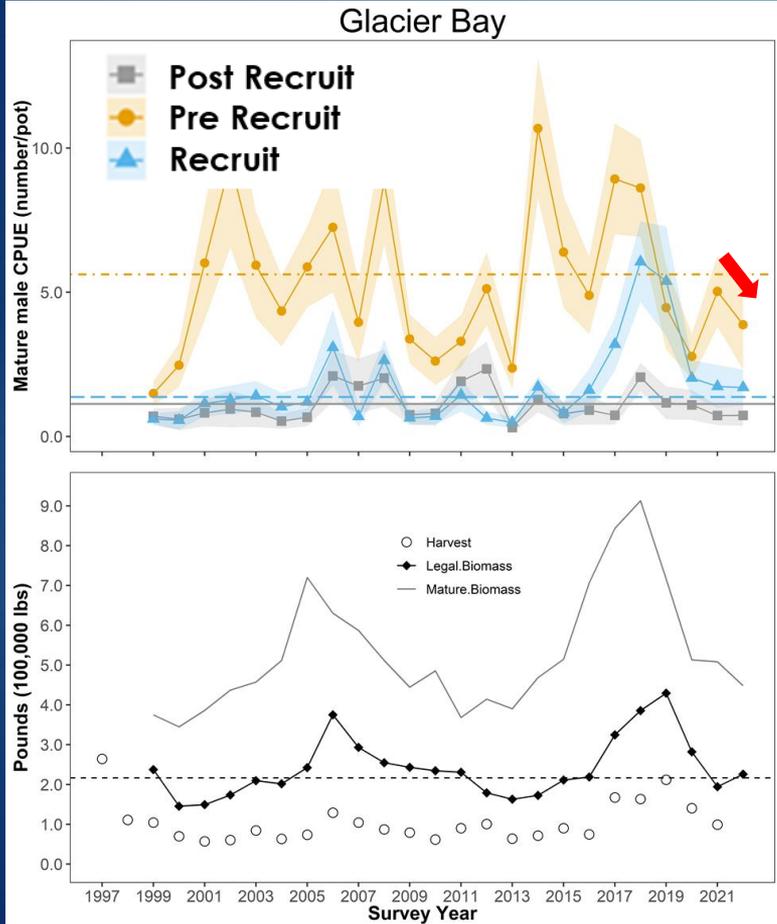
Icy Strait

- Decreased from Above Average to Moderate
- Decrease in mature male CPUE
- Made up 7% of 2022 harvest



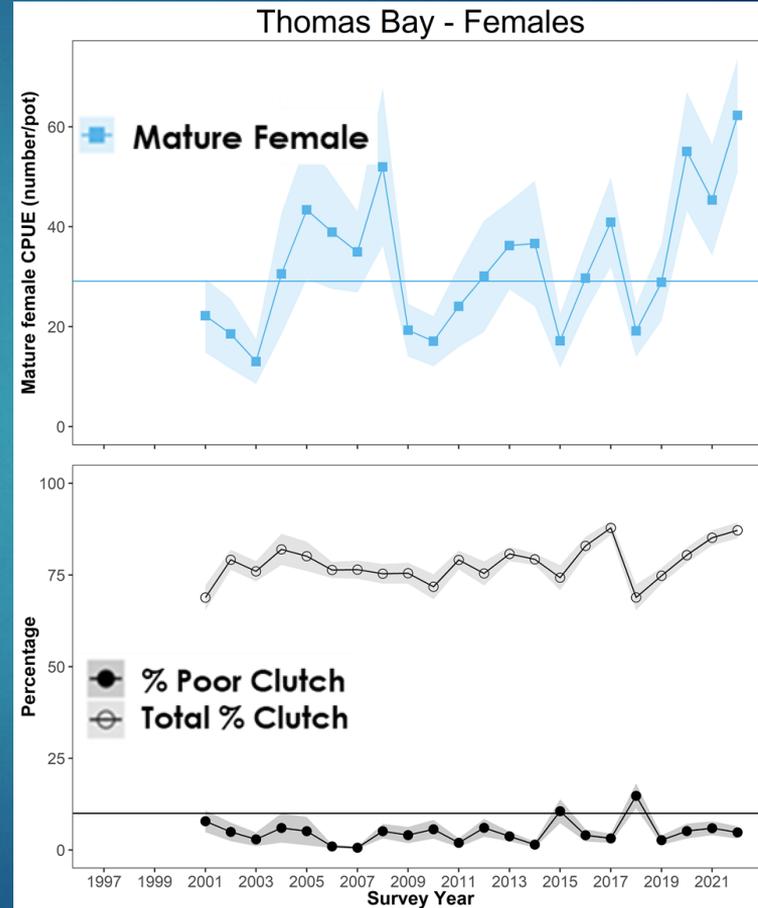
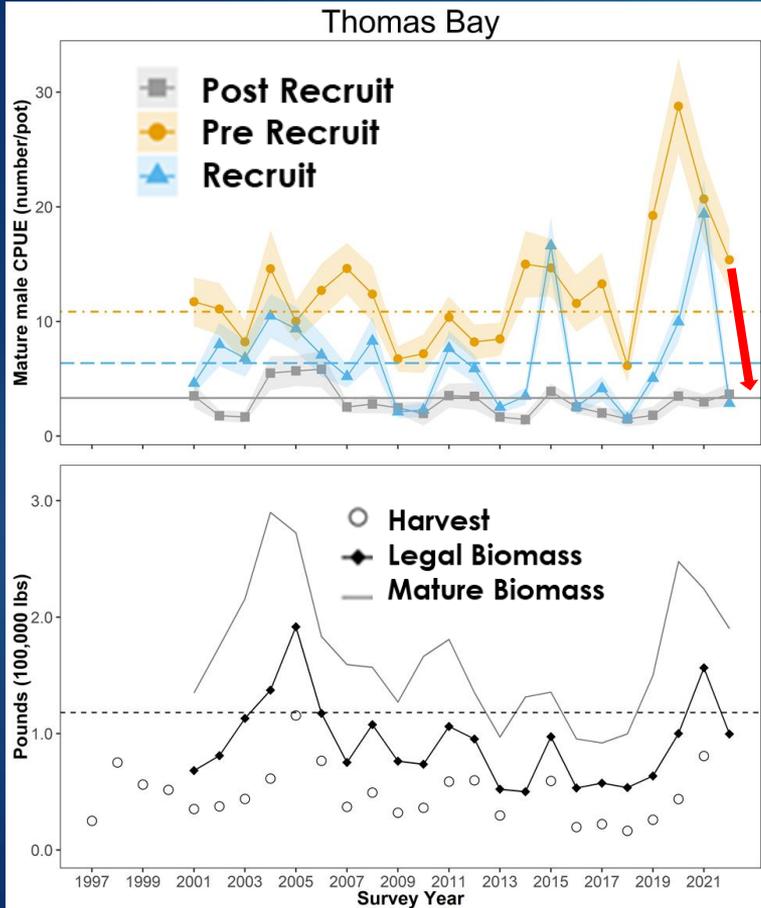
Glacier Bay

- Moderate stock health
- No significant difference in mature male CPUE
- Increase in mature female CPUE
- Made up 7.1% of 2022 harvest



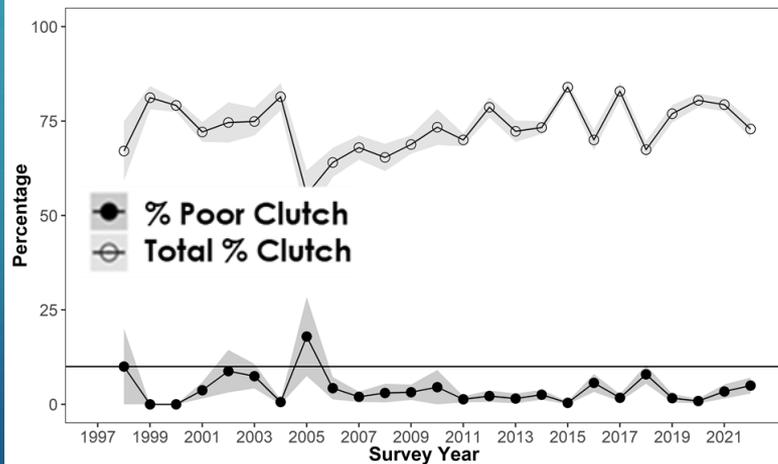
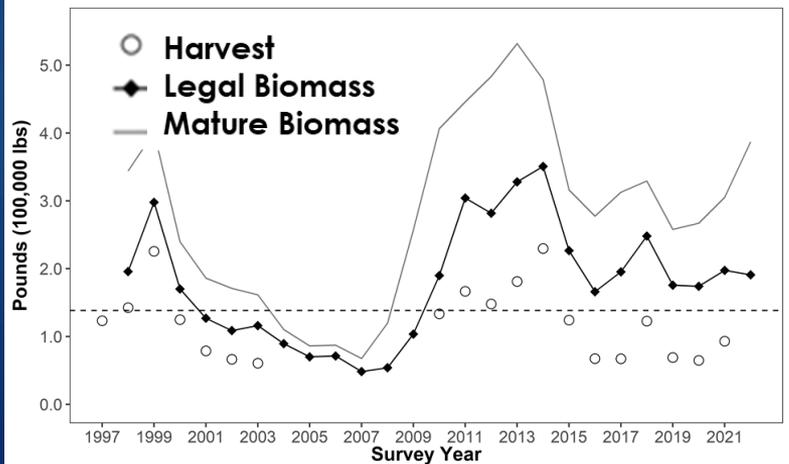
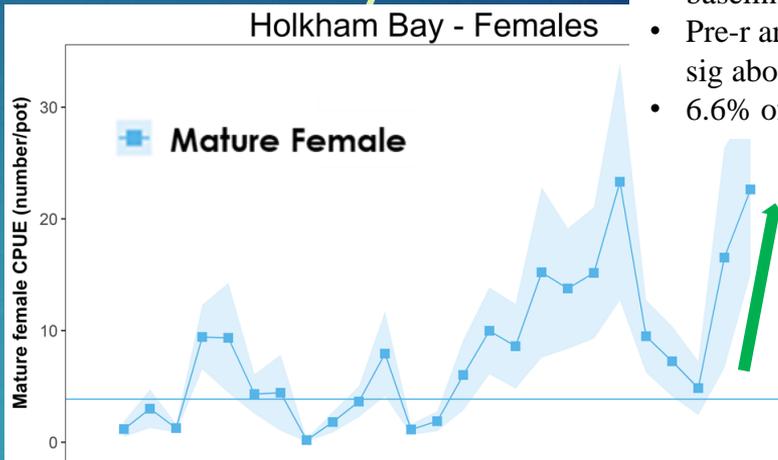
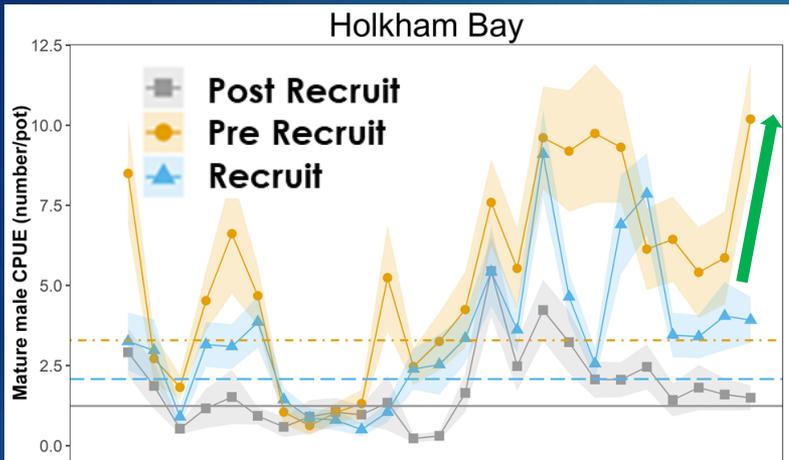
Thomas Bay

- Moderate stock health
- R male down
- Pre-r CPUE remain high
- 5.8% of last year harvest



Holkham Bay

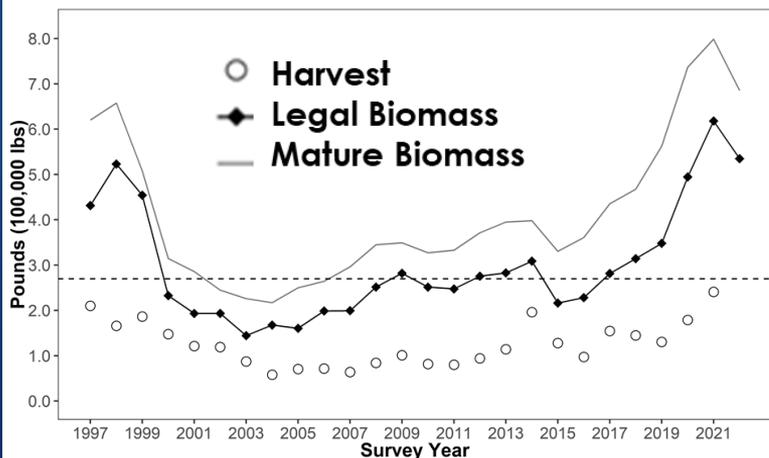
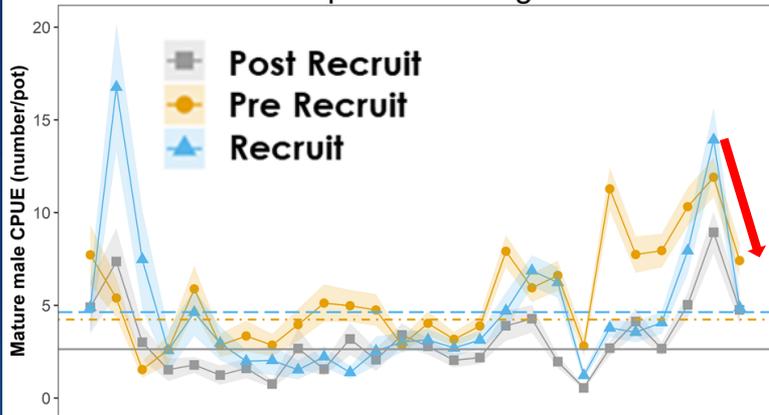
- -Increased to healthy
- -All CPUEs at or above baseline
- Pre-r and mature female sig above baseline
- 6.6% of 2022 harvest



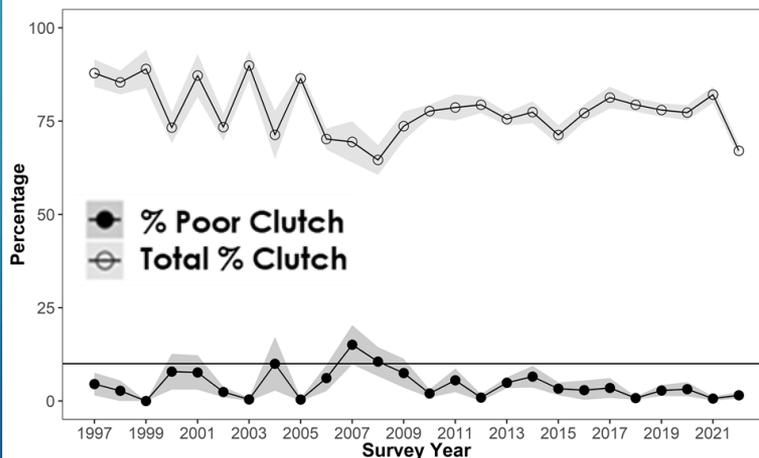
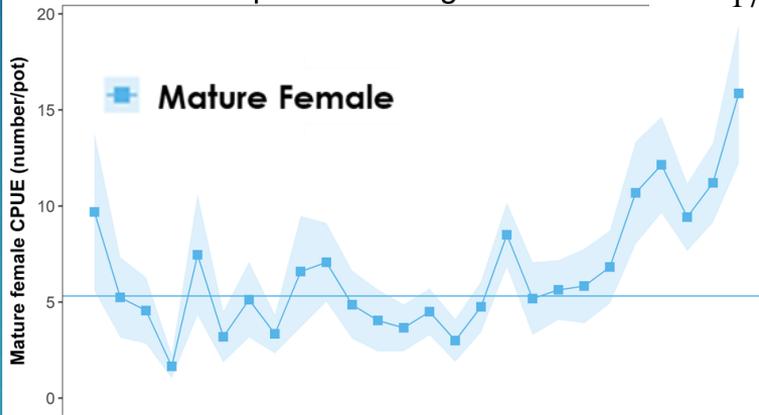
Stephens Passage

- Healthy stock status
- All CPUEs above baseline
- 17.2% of 2022 harvest

Stephens Passage



Stephens Passage - Females



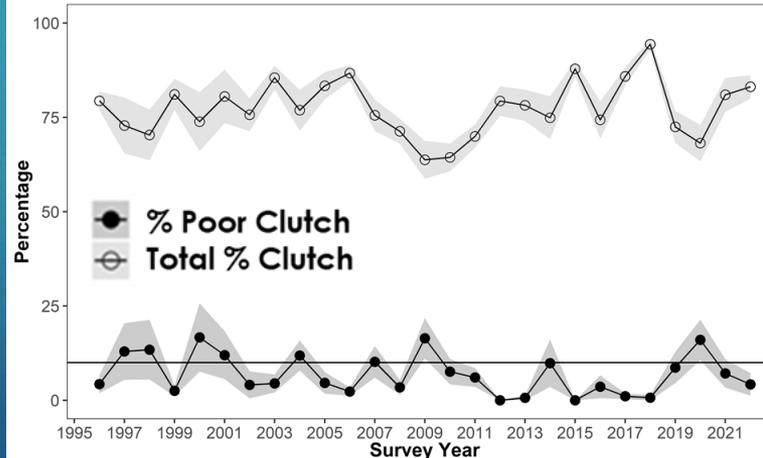
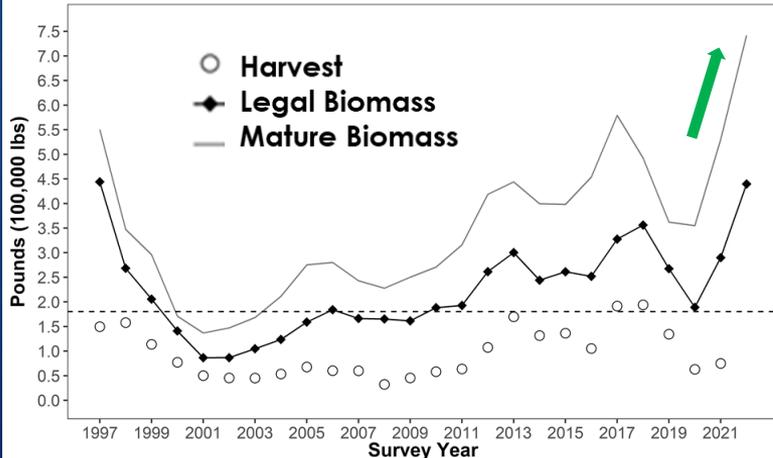
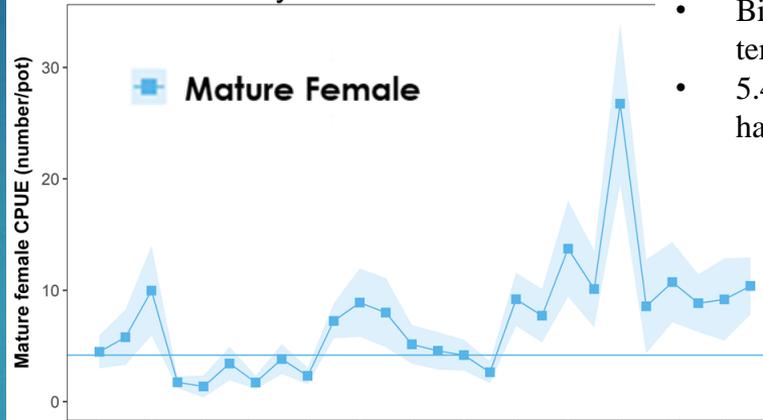
Seymour Canal

- Increased to healthy
- Large increase in mature male CPUE
- Biomass above long term average
- 5.4% of 2022 harvest

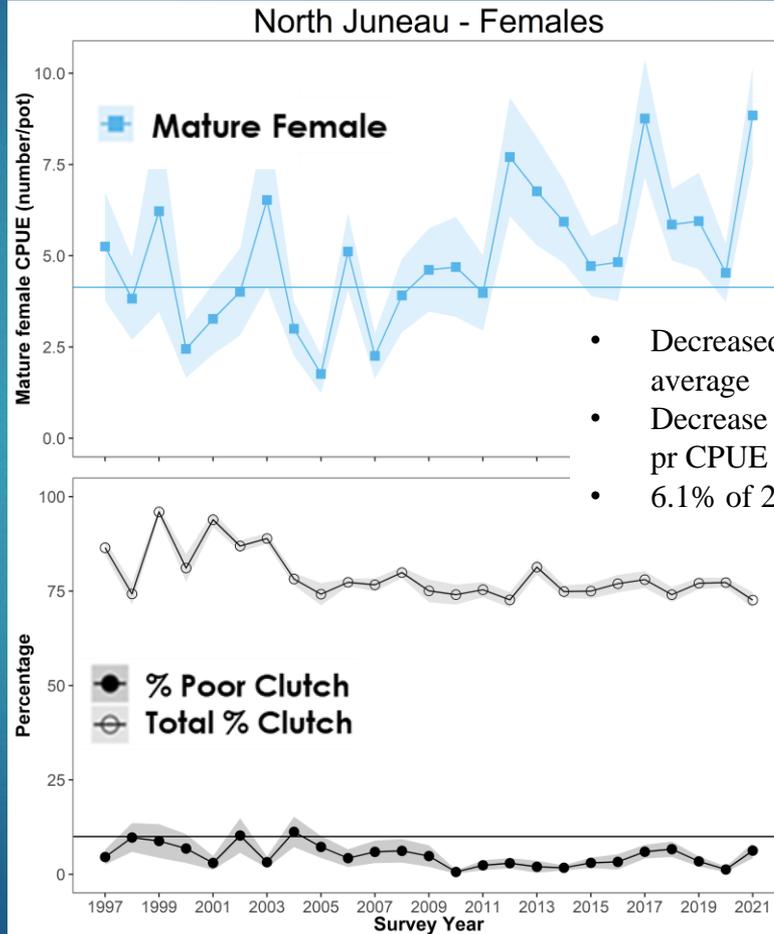
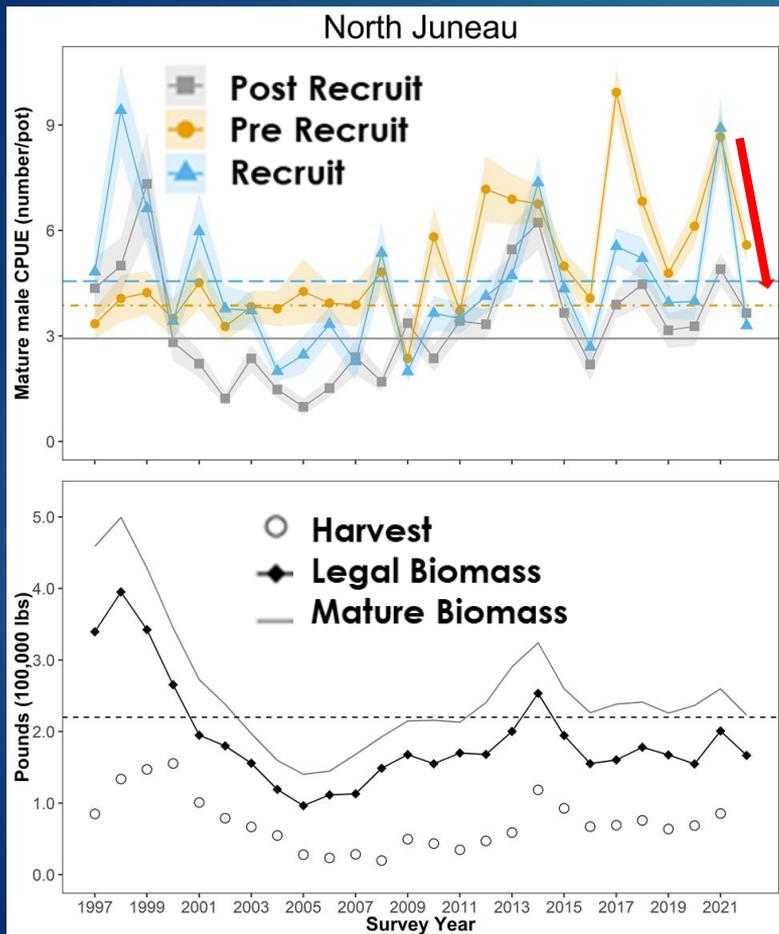
Seymour Canal



Seymour Canal - Females

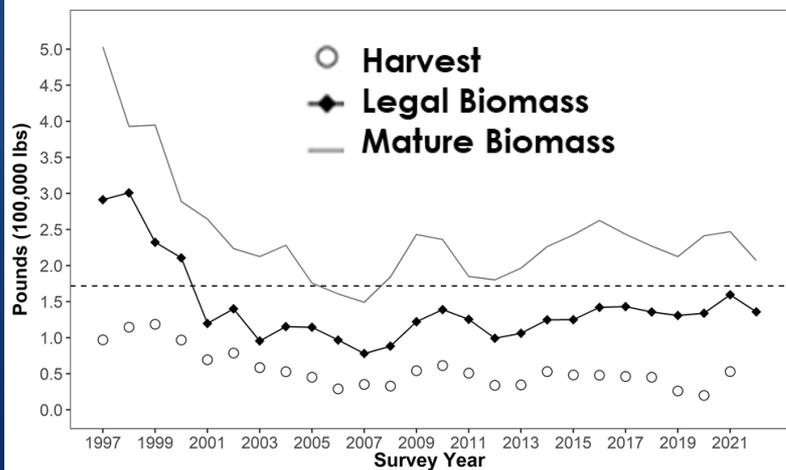


North Juneau

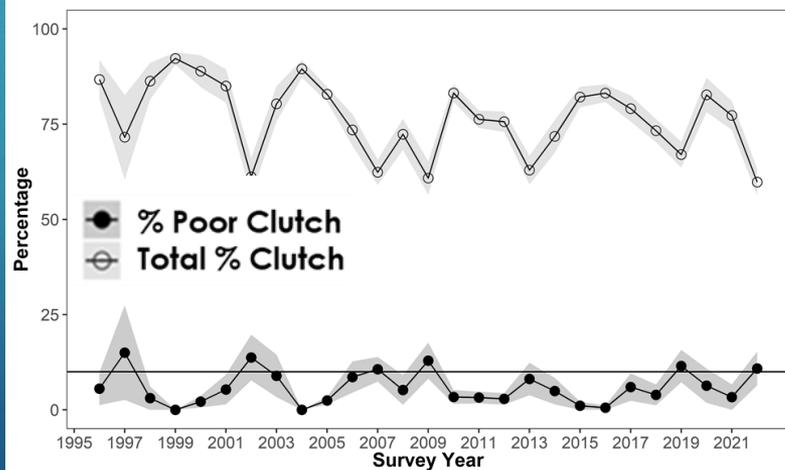
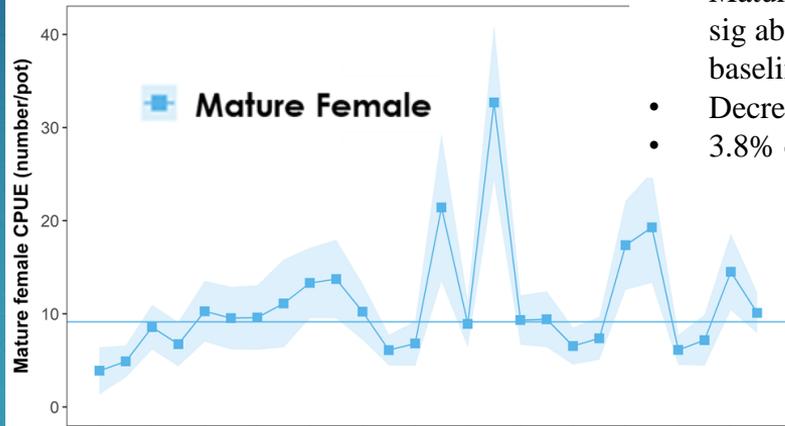


Excursion Inlet

Excursion Inlet



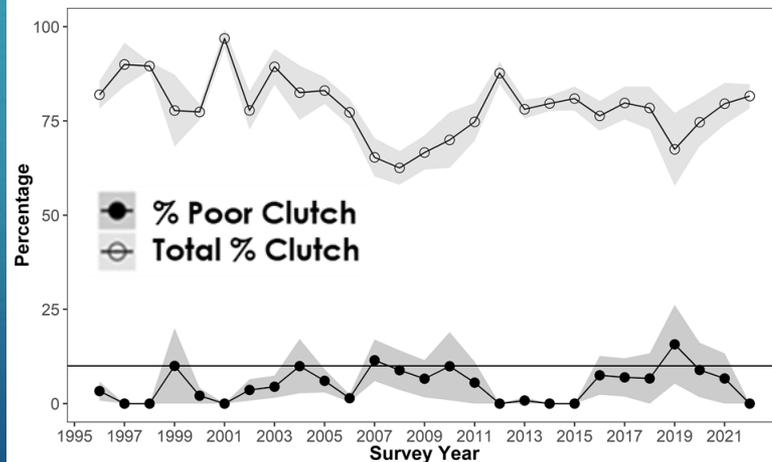
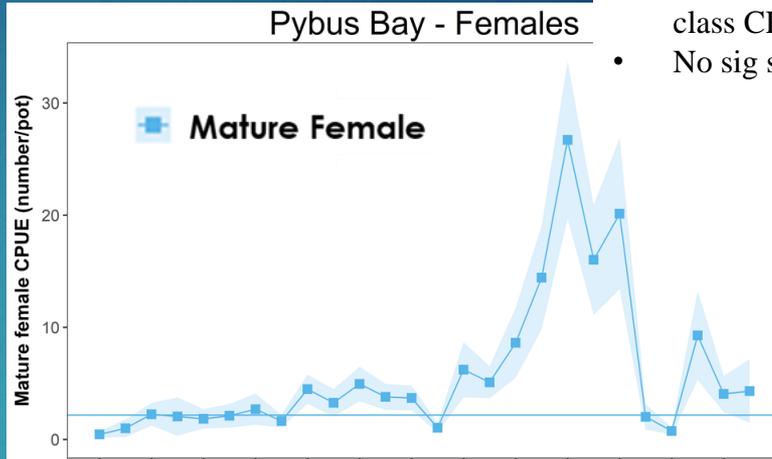
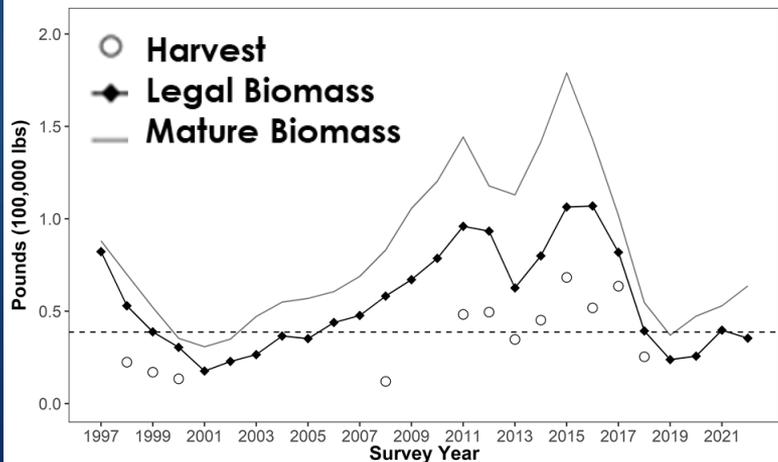
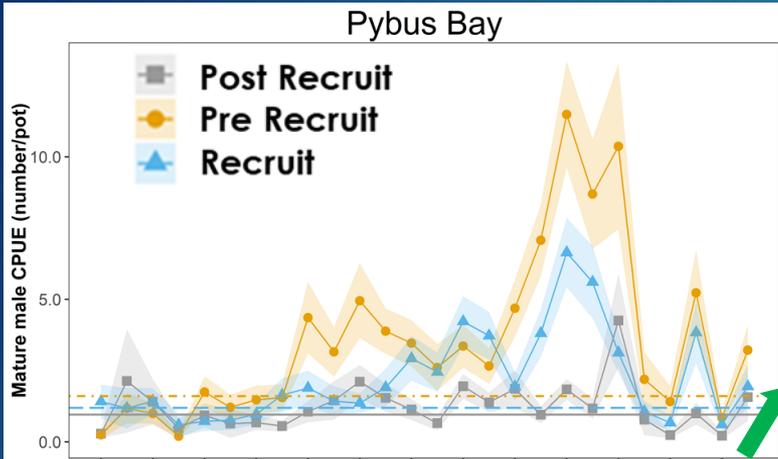
Excursion Inlet - Females



- Below average status
- All mature male CPUE below baseline value
- Mature female CPUE sig above the lt baseline value
- Decreasing biomass
- 3.8% of 2022 harvest

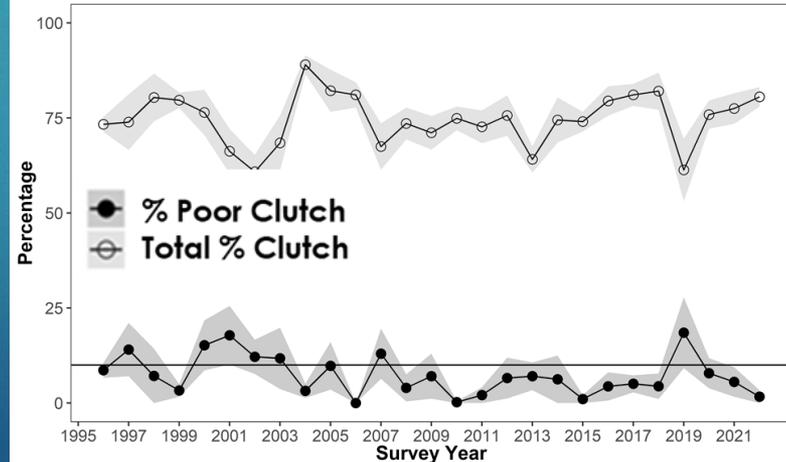
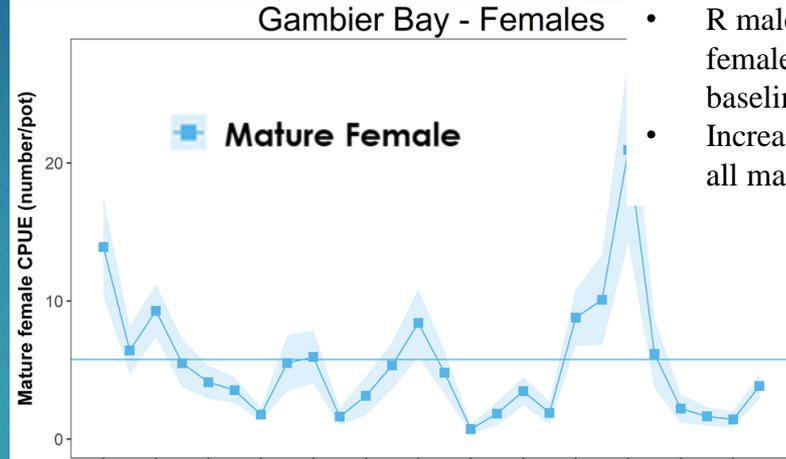
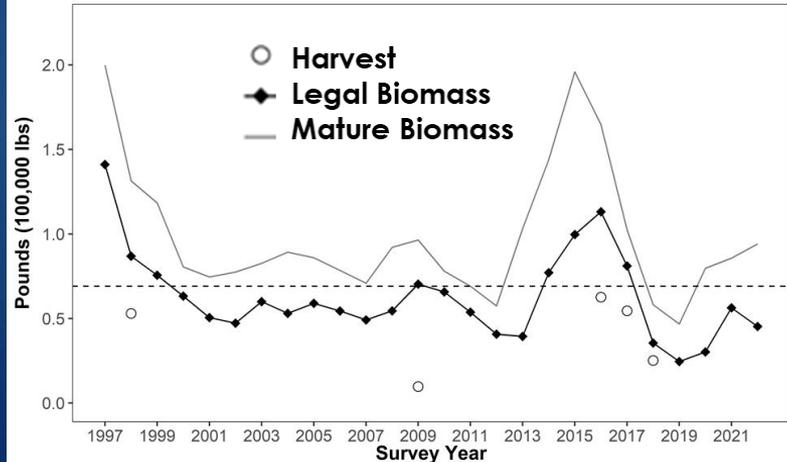
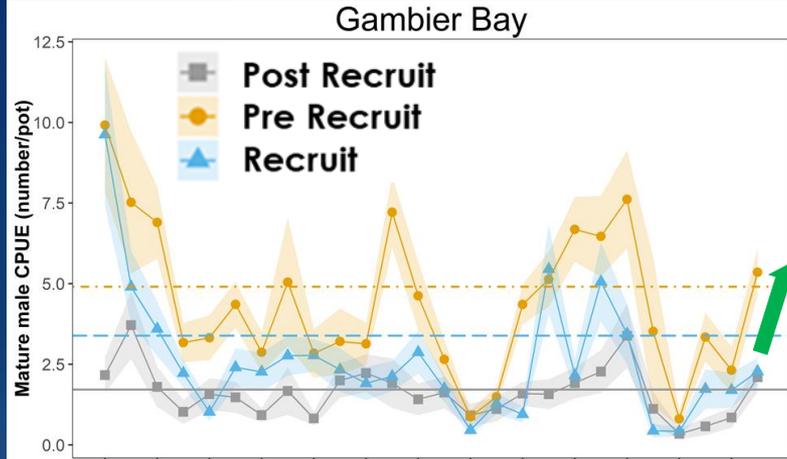
Pybus Bay

- Moderate stock status
- Increases in all recruit class CPUEs
- No sig short term trends



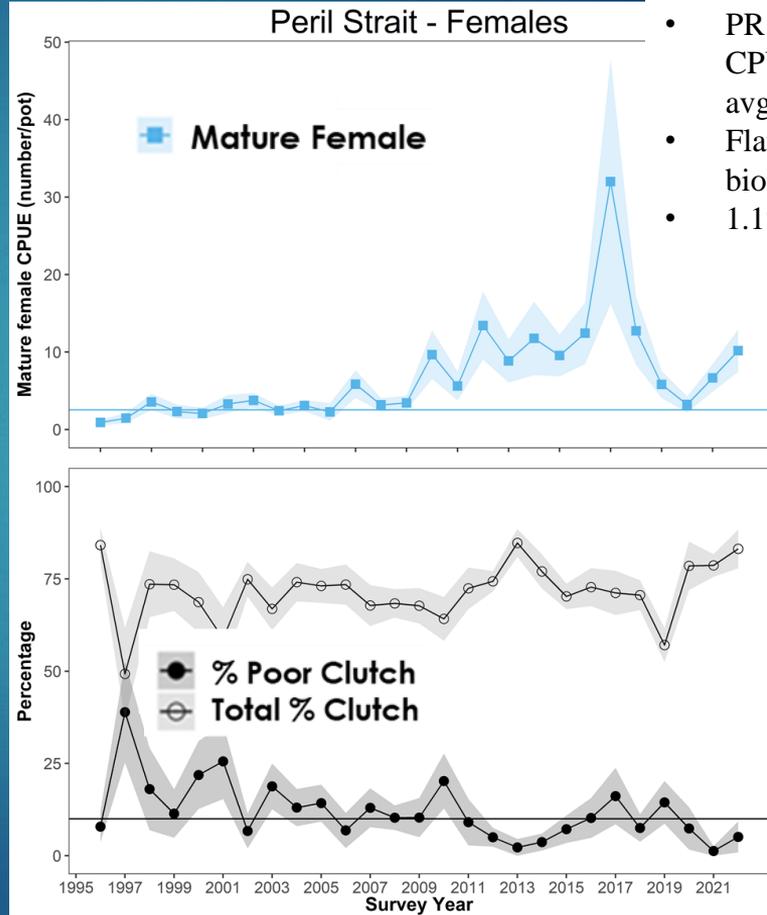
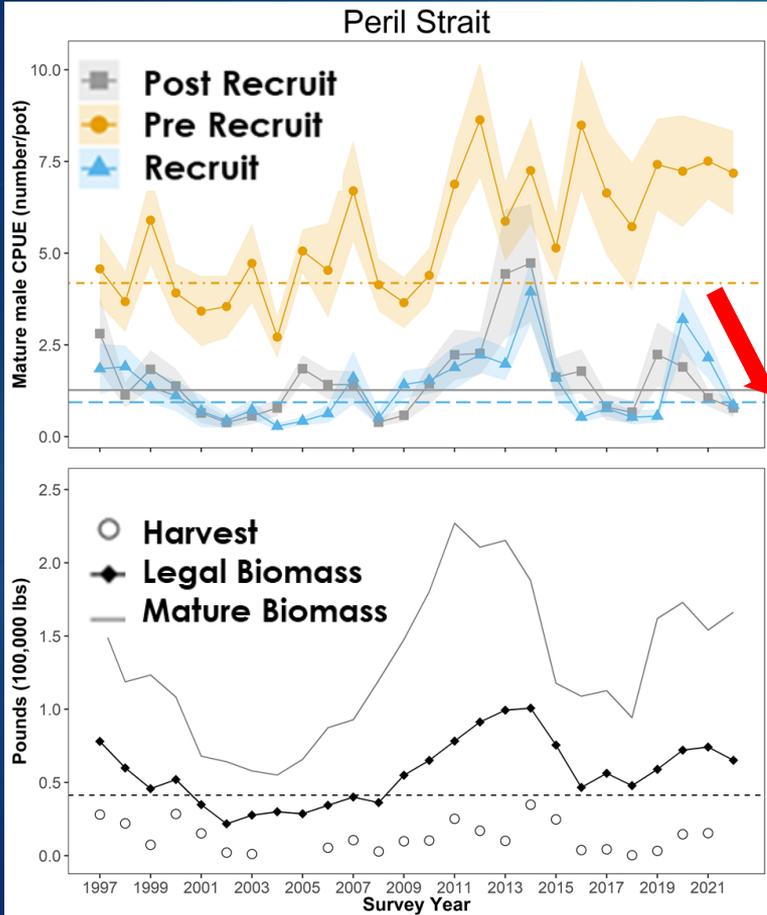
Gambier Bay

- Moderate stock status
- All sex/size classes increased
- R male and mature female CPUE below baseline value
- Increasing ST trend for all mature males



Peril Strait

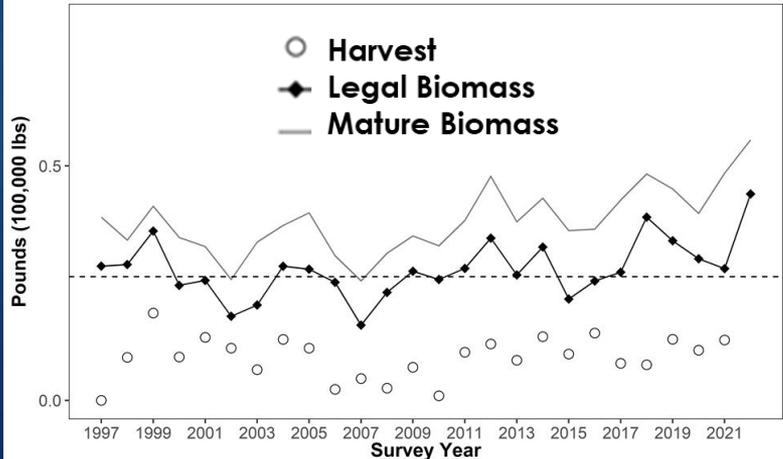
- Moderate stock status
- Decrease in R and PR CPUE
- PR and mature female CPUE sig above LT avg
- Flat to decrease biomass levels
- 1.1% of 2022 harvest



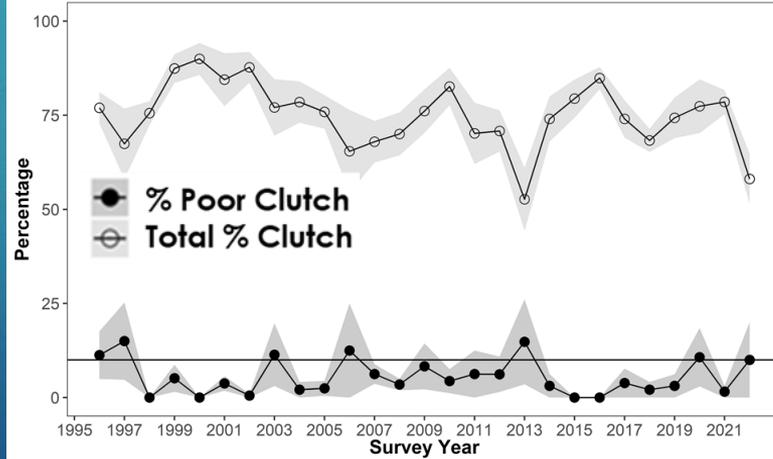
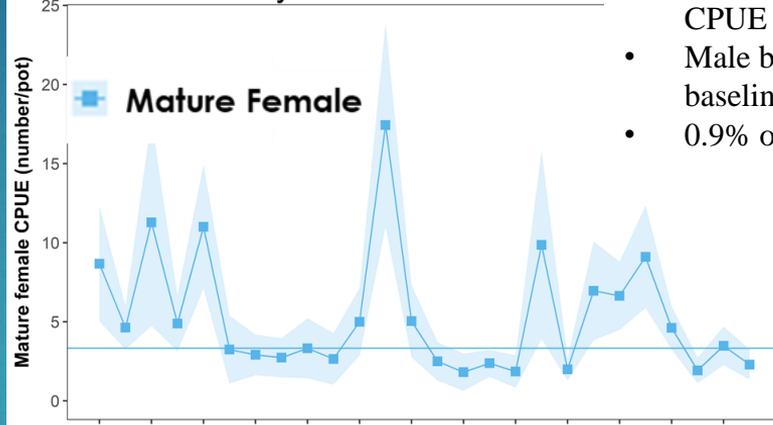
Lynn Sisters

- Moderate stock status
- All size/sex above LT baseline except post-r CPUE
- Male biomass above baseline
- 0.9% of 2022 Harvest

Lynn Sisters



Lynn Sisters - Females



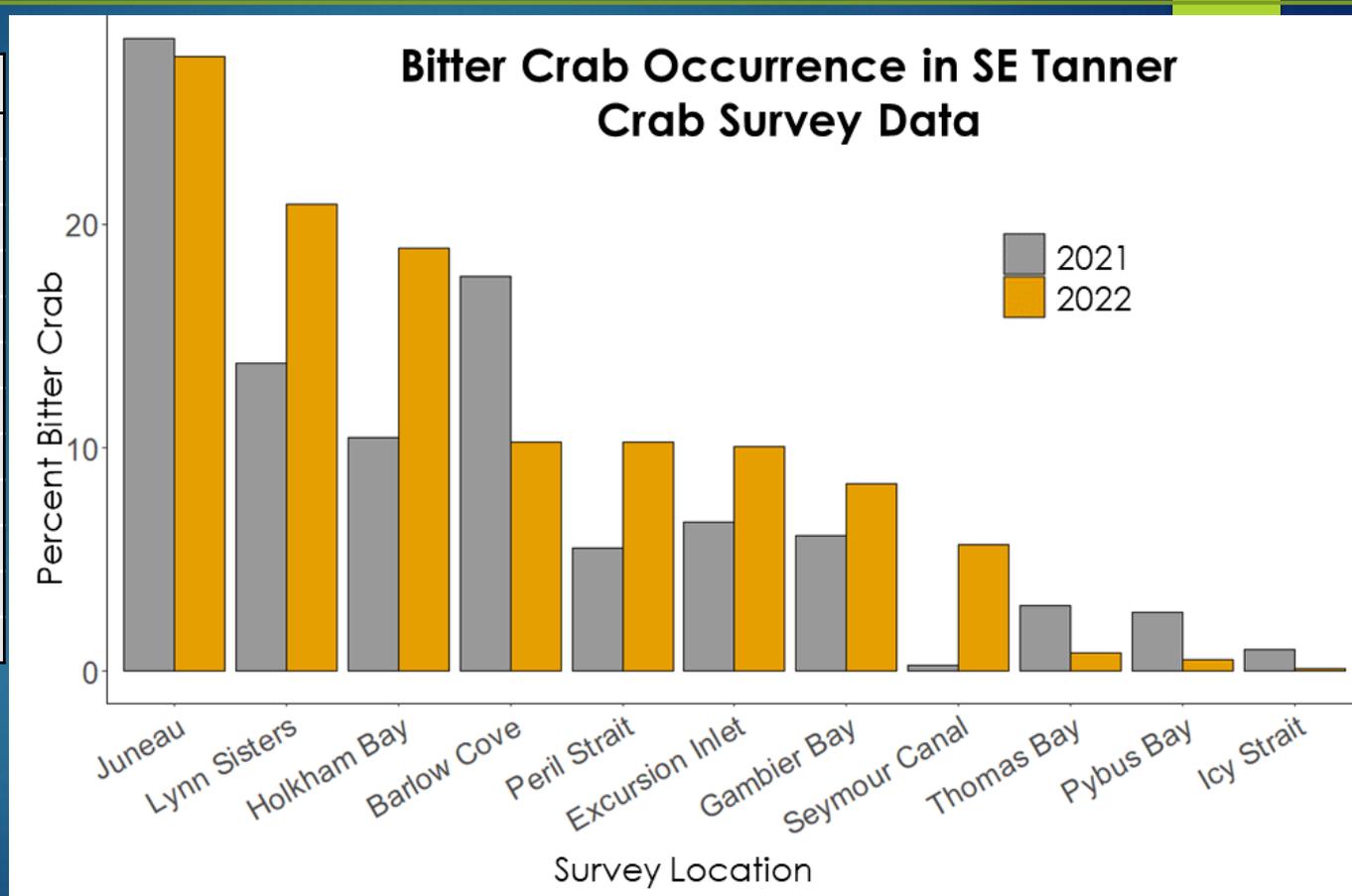
Bitter Crab

Survey

Location	% Bitter 2021	% Bitter 2022
Juneau	28.3	27.5
Lynn Sisters	13.7	20.9
Barlow Cove	17.6	10.3
Holkham Bay	10.5	18.9
Peril Strait	5.5	10.3
Excursion Inlet	6.7	10.1
Gambier Bay	6.1	8.4
Thomas Bay	2.9	0.8
Seymour Canal	0.3	5.7
Pybus Bay	2.6	0.5
Icy Strait	1.0	0.1
Glacier Bay	0	0

Fishery

Southeast Com Area	% Bitter 2021	% Bitter 2022
11-A	31	26
15-A	61	31
15-C & B	36	21



Thanks!

