



# SEAK Commercial Tanner Crab



2015/2016

King and Tanner Task Force Meeting

# 2014/2015 Commercial Tanner Season Summary

- **Landed Poundage:** 1,421,863 lb
- **Number of Crab:** 550,545
- **Total Permits with Landings:** 63 Pot/20 Ring
- **Core Poundage:** 82% of Total Harvest
- **Non-Core Poundage:** 18% of Total Harvest
- **Average CPUE – Pot:** 18.1
- **Average CPUE – Ring:** 1.9
- **Average \$/LB – \$1.93**

# Commercial Tanner Season Summary

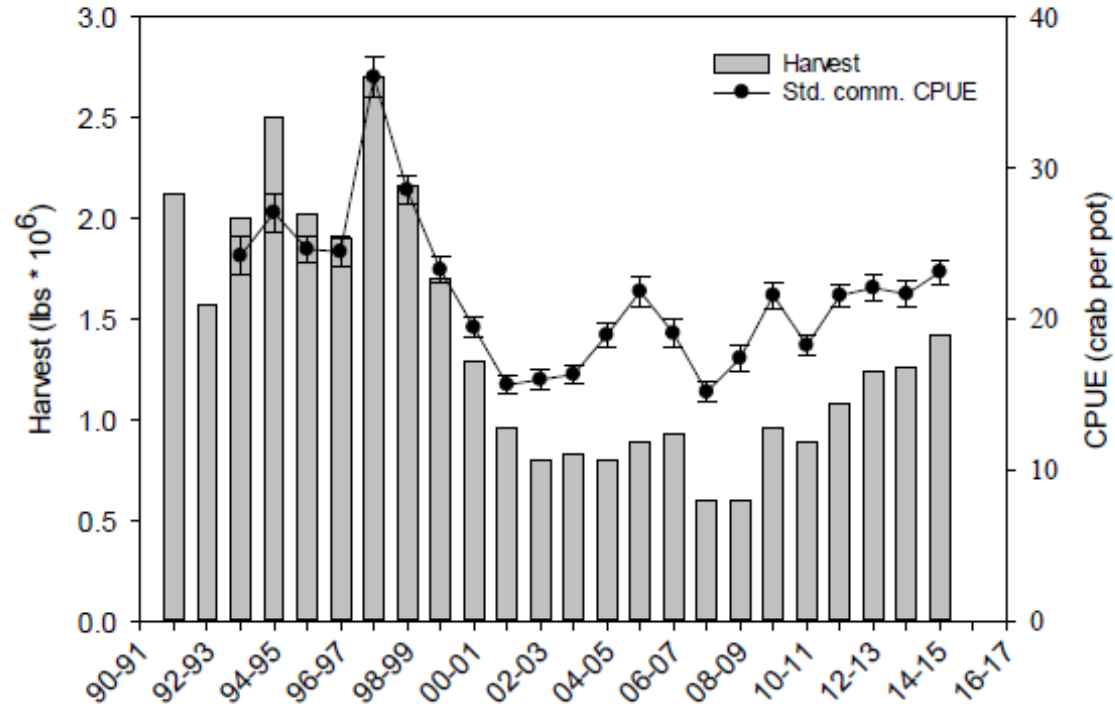
## 2013/14 and 2014/15

Last two seasons' harvest by district:

District	2013/14	2014/15
5	*	*
6	48,521	19,863
7	*	2,714
8	52,811	48,346
9	13,824	*
10	130,748	132,680
11	605,763	748,332
12	53,045	22,747
13	13,350	37,628
14	259,301	209,969
15	78,496	194,346
<b>Total</b>	<b>1,256,739</b>	<b>1,421,863</b>

\*Confidential data: Less than 3 Permit Holders

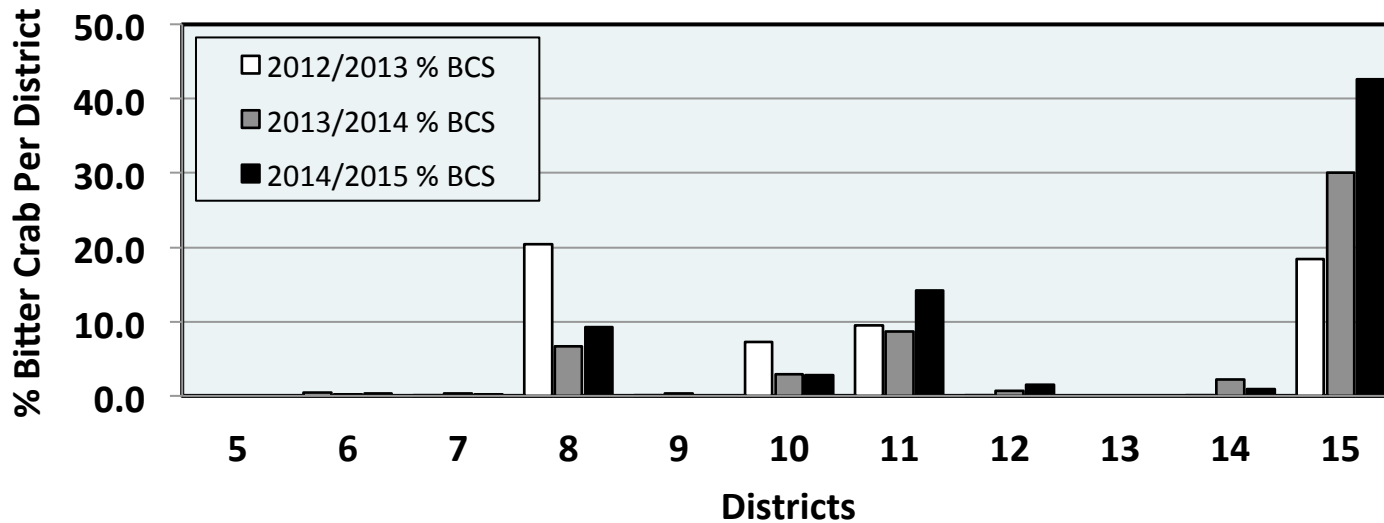
# Harvest and Commercial CPUE



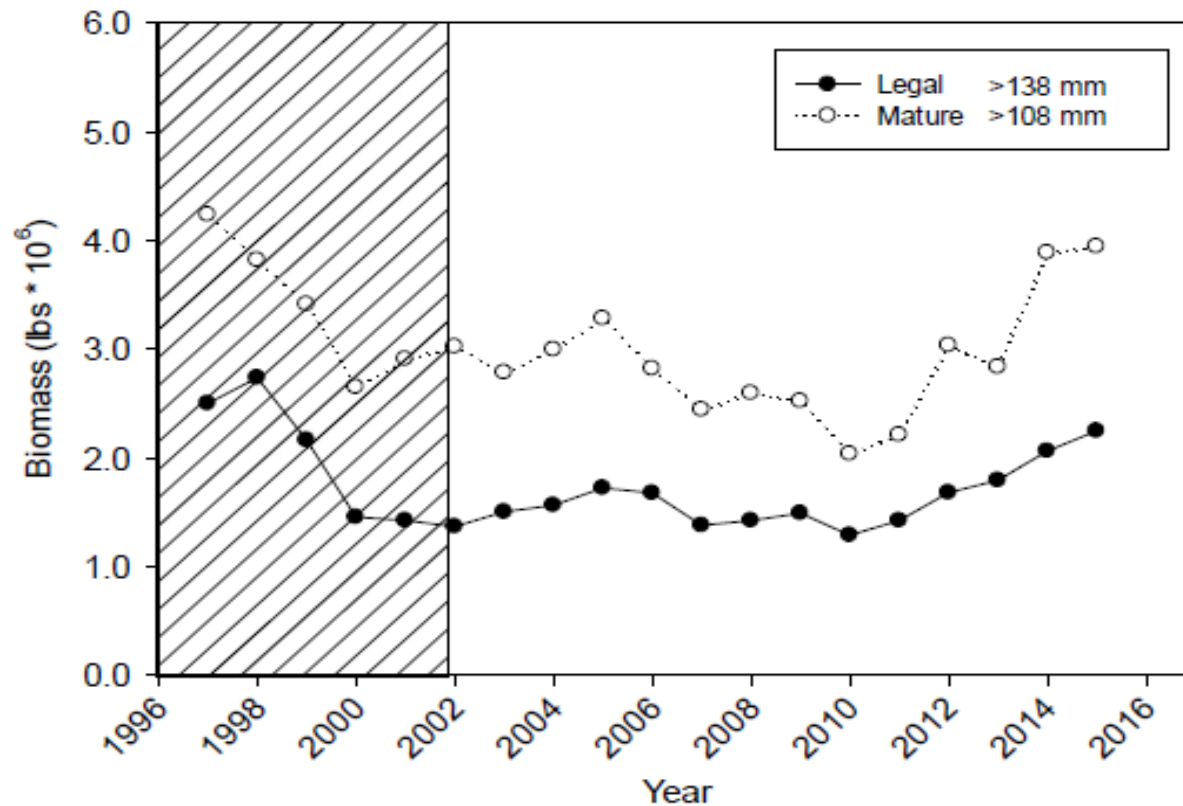
# Percent Bitter Crab By District

## 2012/13 to 2014/15

District	2012/2013 % BCD	2013/2014 % BCD	2014/2015 % BCD
5	-	0	-
6	0.4	0.2	0.3
7	0.1	0.4	0.2
<b>8</b>	<b>20.4</b>	<b>6.6</b>	<b>9.3</b>
9	0.1	0.3	0.0
10	7.2	2.9	2.8
<b>11</b>	<b>9.5</b>	<b>8.7</b>	<b>14.2</b>
12	0.0	0.7	1.4
13	0	0	0
14	0.0	2.2	0.9
<b>15</b>	<b>18.4</b>	<b>30.1</b>	<b>42.7</b>
<b>% for All Areas Combined:</b>	<b>6.9</b>	<b>7.2</b>	<b>14.1</b>



# Trends in Male Tanner crab: Mature and Legal Biomass Estimates



# Estimated SEAK Mature Tanner Crab Biomass:

**2014/2015**

**Estimate: 5.48 Million Lb**

**2015/2016**

**Current Season**

**Estimate: 5.69 Million Lb**

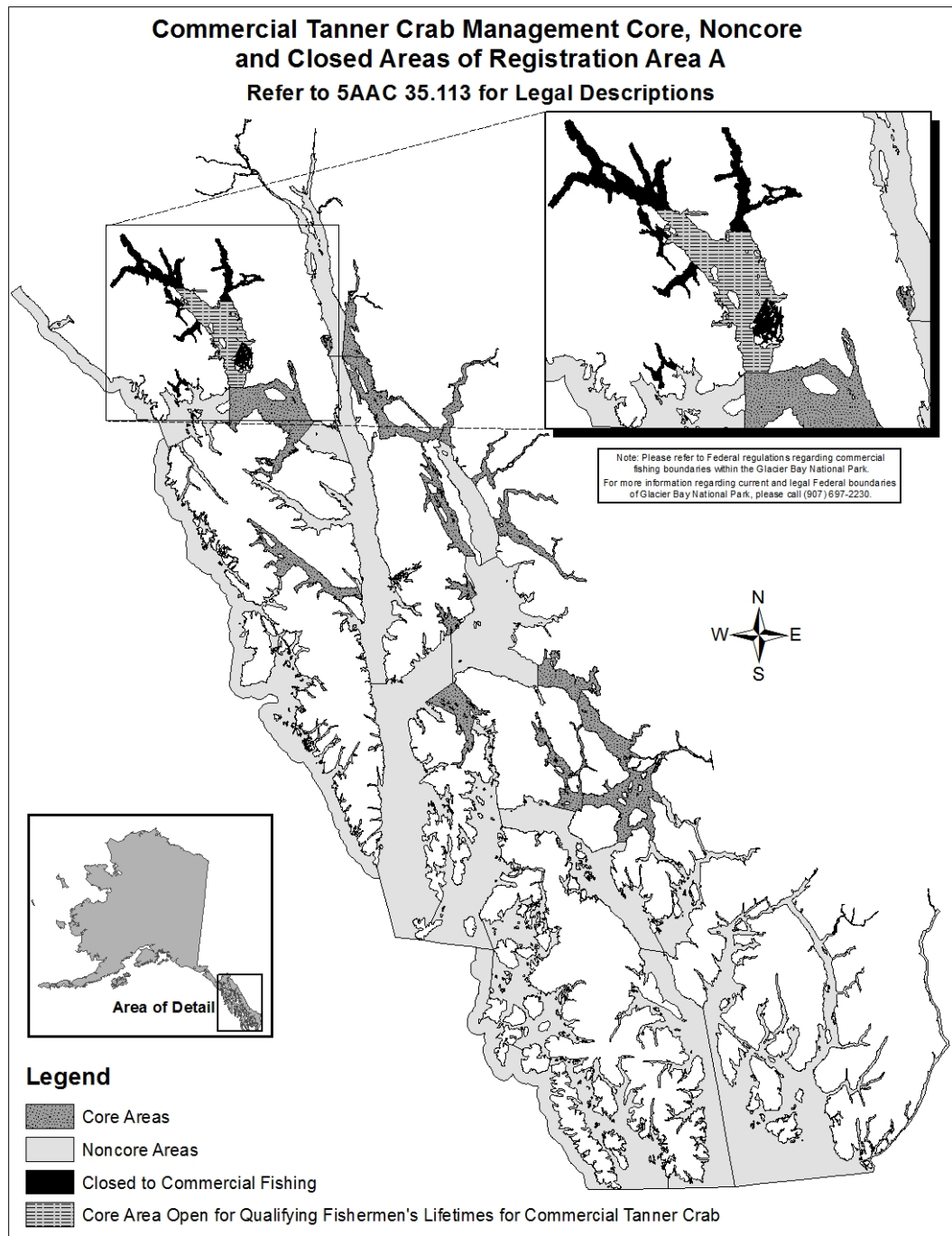
# Tanner Crab Harvest Strategy

## 5 AAC. 35.113

<b>Pots Registered</b>	<b>Additional Fishing Days</b>	<b>Additional Fishing Days</b>
	<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



# Core and Non-Core Areas



# Catch Survey and Analysis (CSA) - Overview

- 2015 Changes to Survey:
  - Port Camden and Port Frederick removed from survey.
  - Stephens Passage was removed from Tanner crab survey, but is still part of red king crab survey.
- Overall:

There was a 0.34 million pound **increase** in legal male Tanner crab (**~12% increase**) from 2014.



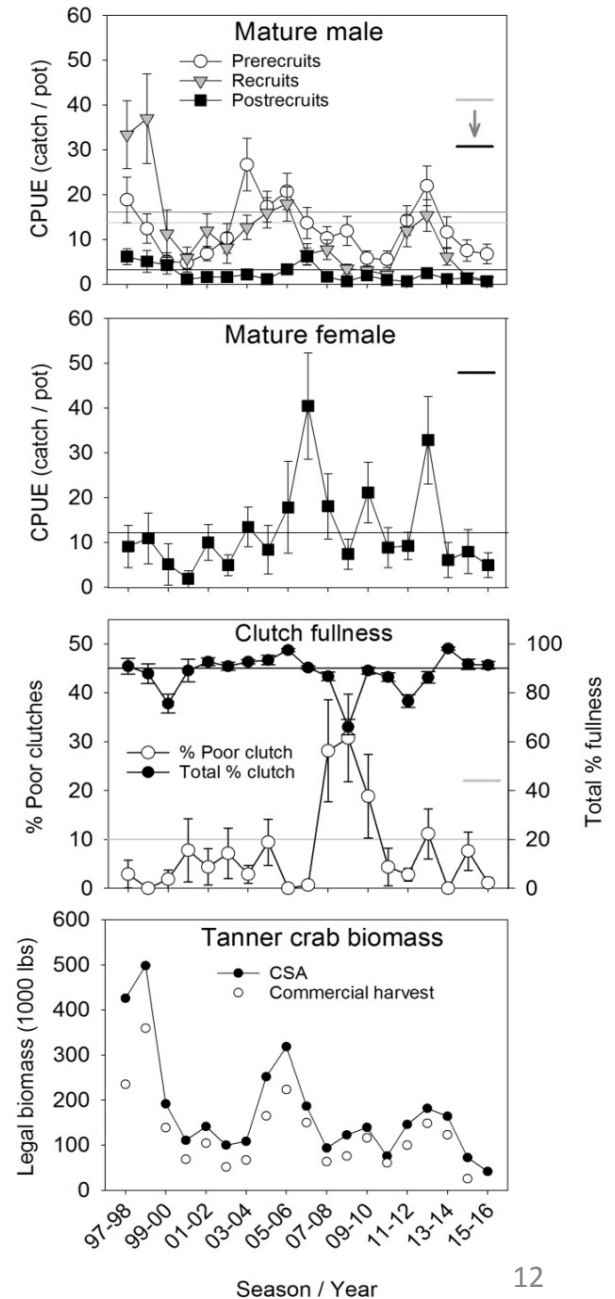
# Survey Areas – TCS and RKCS

- **Tanner Crab Survey Areas:**
  - Icy Strait
  - Glacier Bay
  - Thomas Bay
  - Holkham Bay
- **Red King Crab Survey Areas:**
  - Stephens Passage
  - Seymour Canal
  - North Juneau
  - Excursion Inlet
  - Pybus Bay
  - Gambier Bay
  - Peril Strait
  - Lynn Sisters

# ICY STRAIT

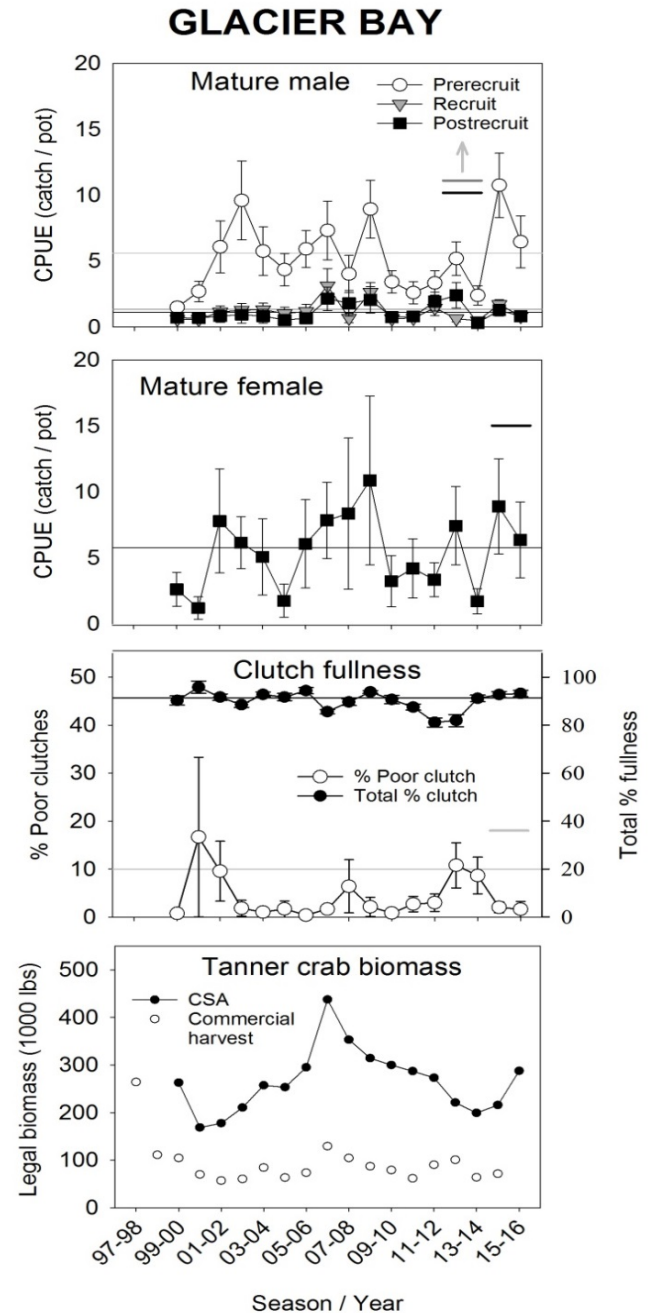
- Stock Health Status: *Poor*
- All male recruit class CPUEs down.
- Mature female CPUE down.
- % Females with poor clutch fullness below 10% level.
- Legal biomass estimate in 2015 lowest since inception of the crab surveys.

## ICY STRAIT



# GLACIER BAY

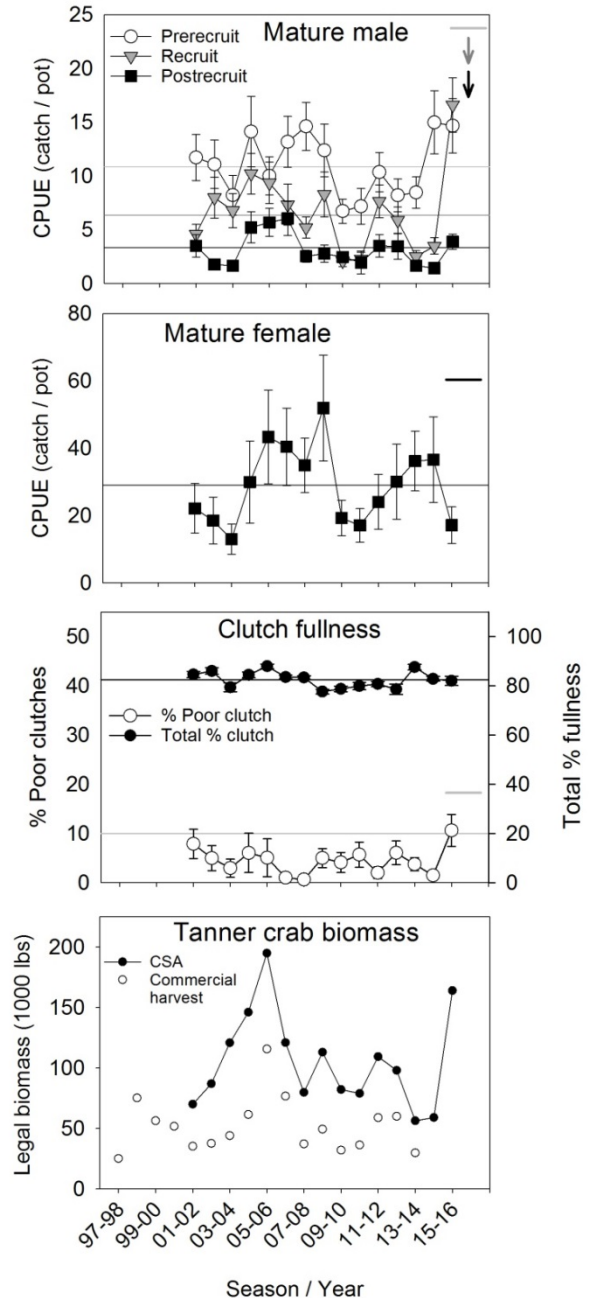
- Stock Health Status: *Above Average*
- No short-term (**S-T**) increasing trends in CPUE.
- All recruit class CPUE at long-term (**L-T**) average.
- % females with poor clutch fullness was below 10% threshold.



# THOMAS BAY

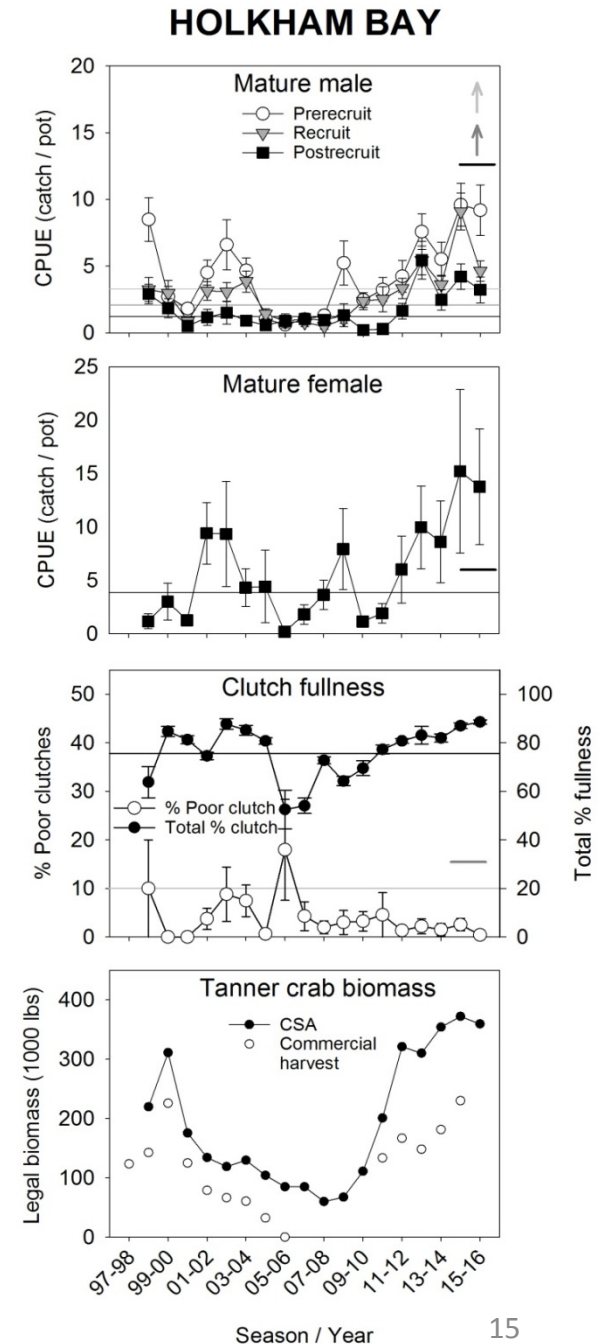
- Stock Health Status: *Moderate*
- Male recruit class CPUEs are at or above L-T averages.
- Prerecruits and recruits have **S-T** increasing trends.
- Mature female CPUE below L-T average.
- % of females with poor clutch fullness is not significantly different from 10%.

## THOMAS BAY



# HOLKHAM BAY

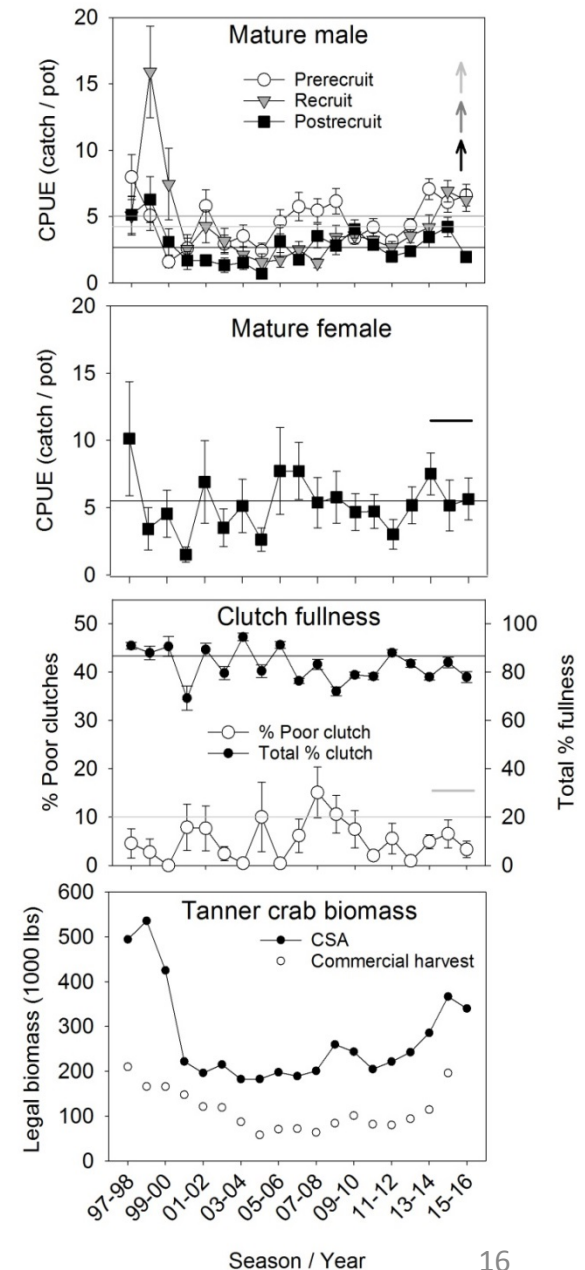
- Stock Health Status: *Healthy*
- No significant **S-T** trends in either direction in all recruit class CPUEs.
- All male recruit class CPUEs are above **L-T** averages.
- Mature female CPUEs remain stable.
- % of females with poor clutch fullness was low and falling below **L-T** average of 10%



# STEPHENS PASSAGE

- Stock Health Status: *Healthy*
- Increasing **S-T** trends in recruit CPUE and all recruit class CPUEs are at or above **L-T** averages.
- Prerecruits and recruits have **S-T** increasing trends.
- % of females with poor clutch fullness is less than 10% threshold.

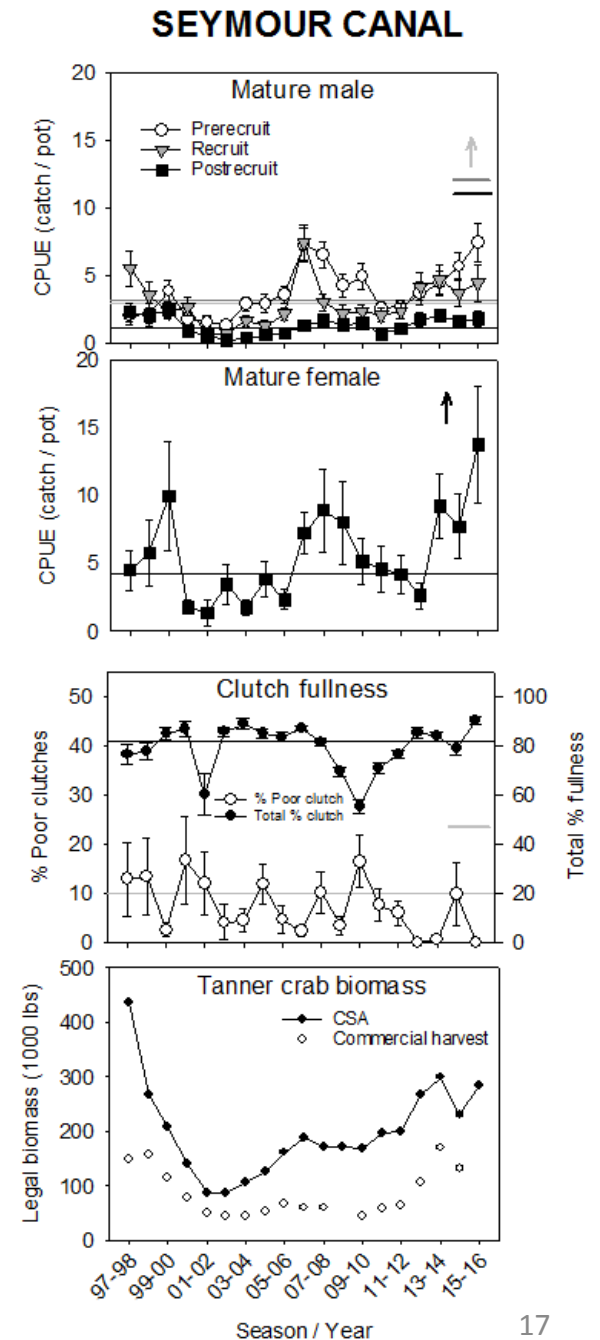
## STEPHENS PASSAGE





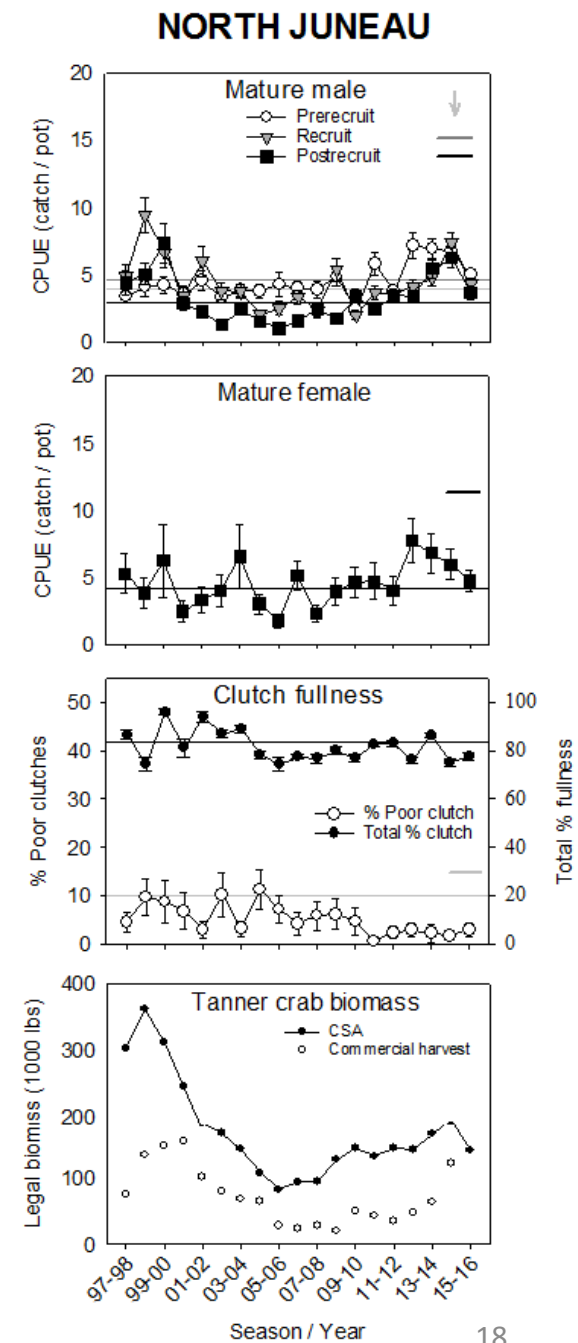
# SEYMOUR CANAL

- Stock Health Status: *Healthy*
- All CPUEs were at or above their L-T averages.
- Increasing S-T trends seen in both mature female and pre-recruit CPUE.
- Increasing trends in pre-recruits and mature male CPUEs for L-T averages.
- % of females with poor clutch fullness is well below 10% long-term average threshold.



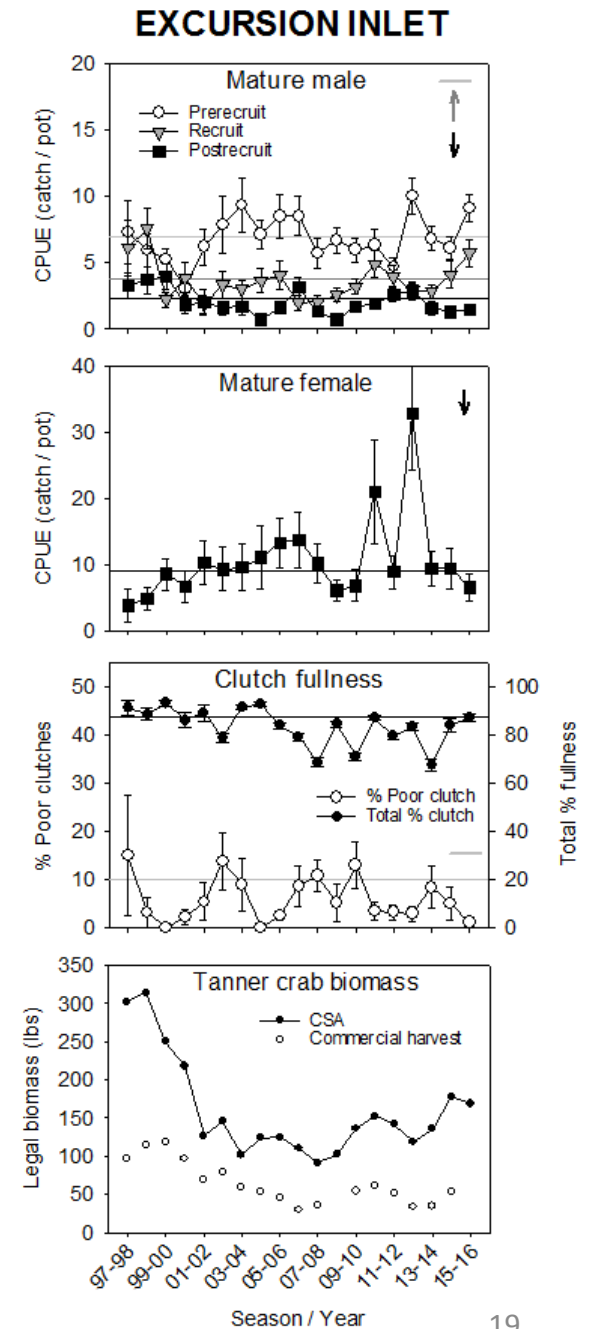
# NORTH JUNEAU

- Stock Health Status: *Above Average*
- Decreases in mature male CPUEs
- All CPUEs at or above L-T averages, but decreases could indicate decreasing stock health.
- % of females with poor clutch fullness is less than 10% long-term average threshold.



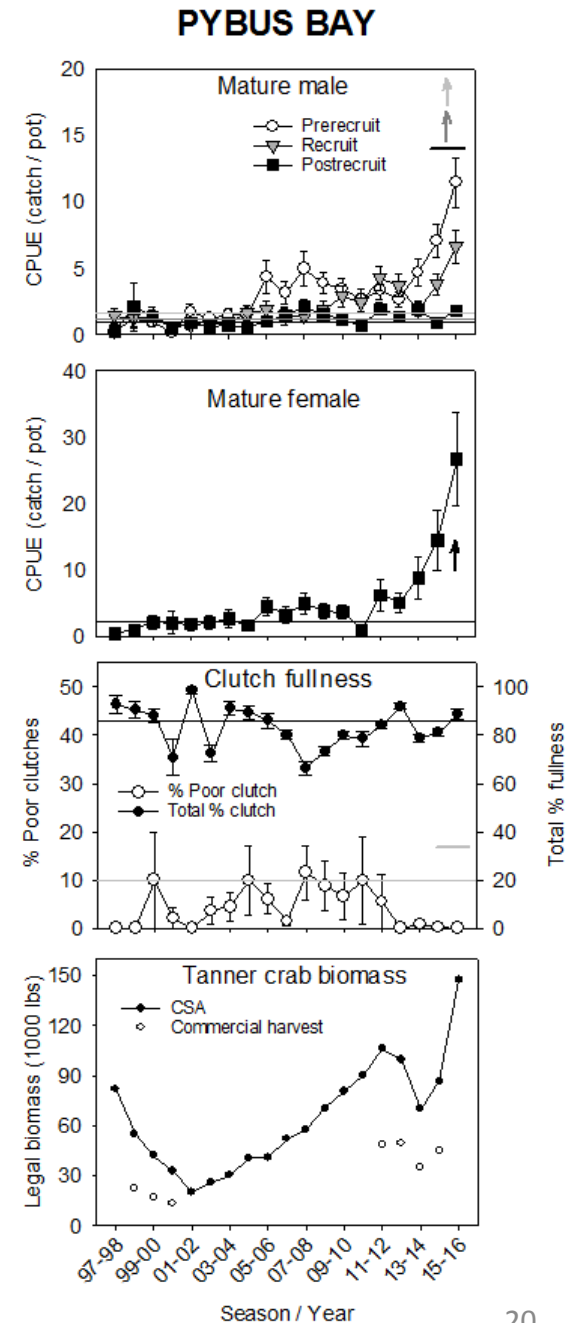
# EXCURSION INLET

- Stock Health Status: *Above Average*
- Recruit CPUEs **S-T** trend increasing.
- Pre-recruit and post-recruit CPUEs above **L-T** averages.
- Post-recruit and mature female CPUEs have decreasing **S-T** trends.
- % of females with poor clutch fullness is less than 10%.



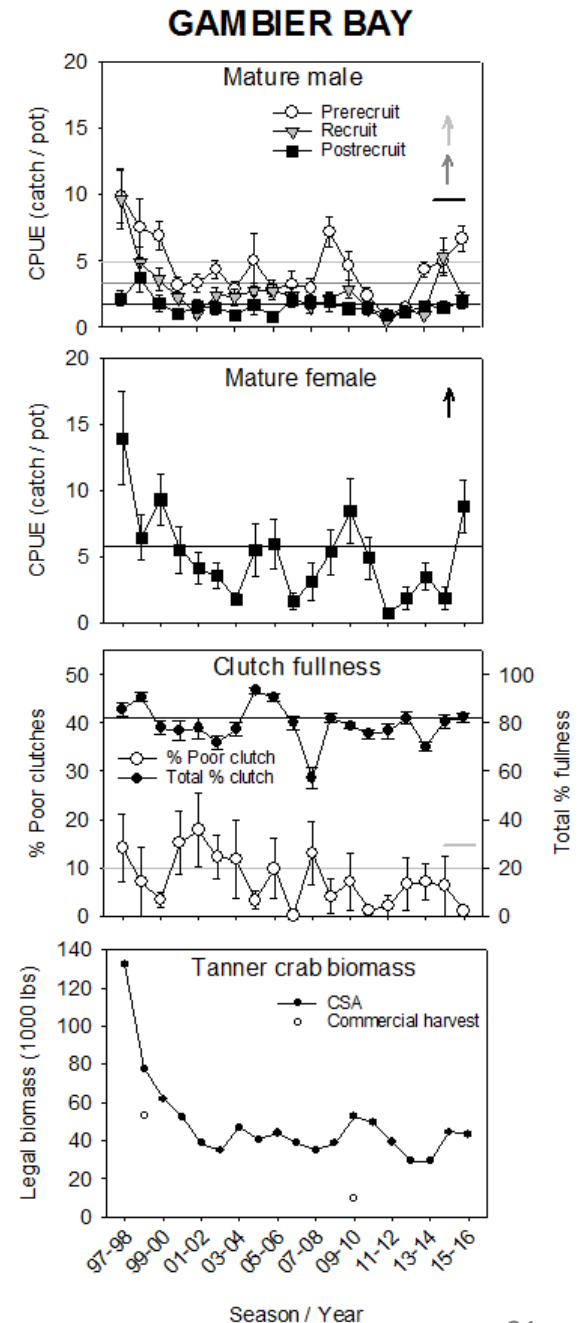
# PYBUS BAY

- Stock Health Status: *Healthy*
- All recruit class CPUEs above L-T averages.
- Increasing S-T trends in pre-recruit, recruit, and mature female CPUEs
- % of females with poor clutch fullness was less than 10%.



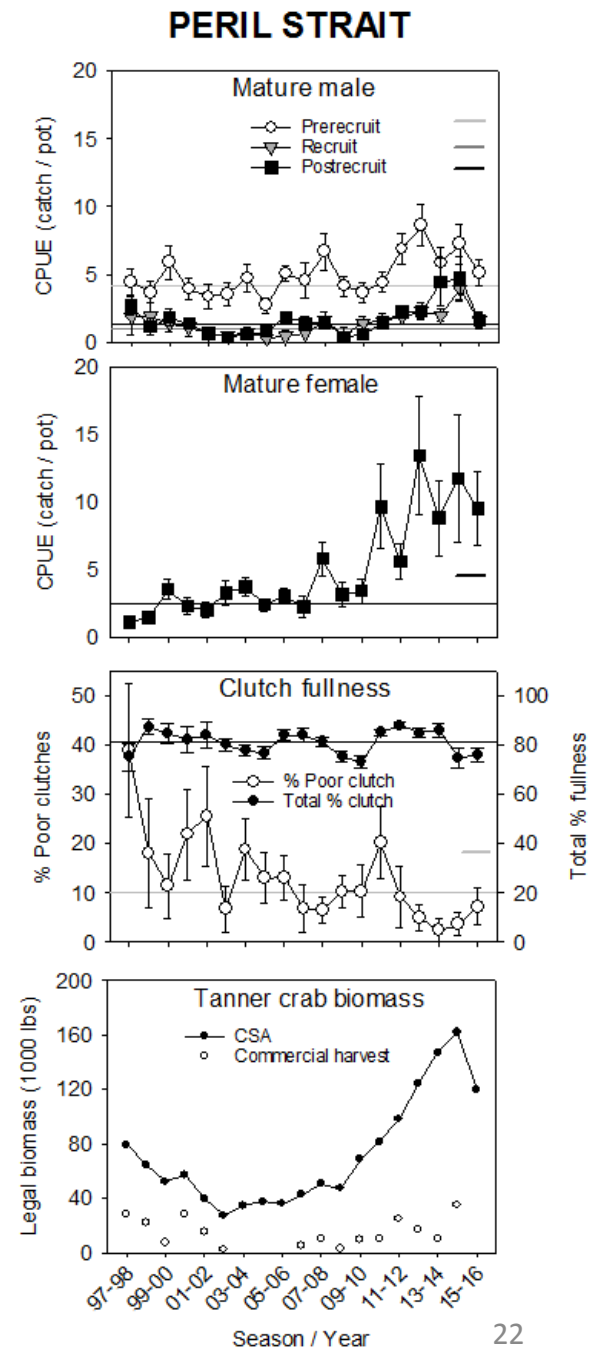
# GAMBIER BAY

- Stock Health Status: *Above Average*
- CPUEs of pre-and post-recruits at or above L-T averages.
- Increasing S-T trends in pre-recruit, recruit, and mature female CPUEs.
- Recruit CPUE is below L-T average.
- % of females with poor clutch fullness was less than 10%.



# PERIL STRAIT

- Stock Health Status: *Moderate*
- All male recruit class CPUEs are at **L-T** averages, but decreased.
- No short term trends in CPUEs.
- Recruit CPUE is below **L-T** average.
- % of females with poor clutch fullness was less than 10%.



# LYNN SISTERS

- Stock Health Status: *Healthy*
- CPUEs of pre-recruits and recruits above **L-T** averages.
- Post-recruit and mature female CPUEs at **L-T** averages.
- % of females with poor clutch fullness was less than 10%.

## LYNN SISTERS

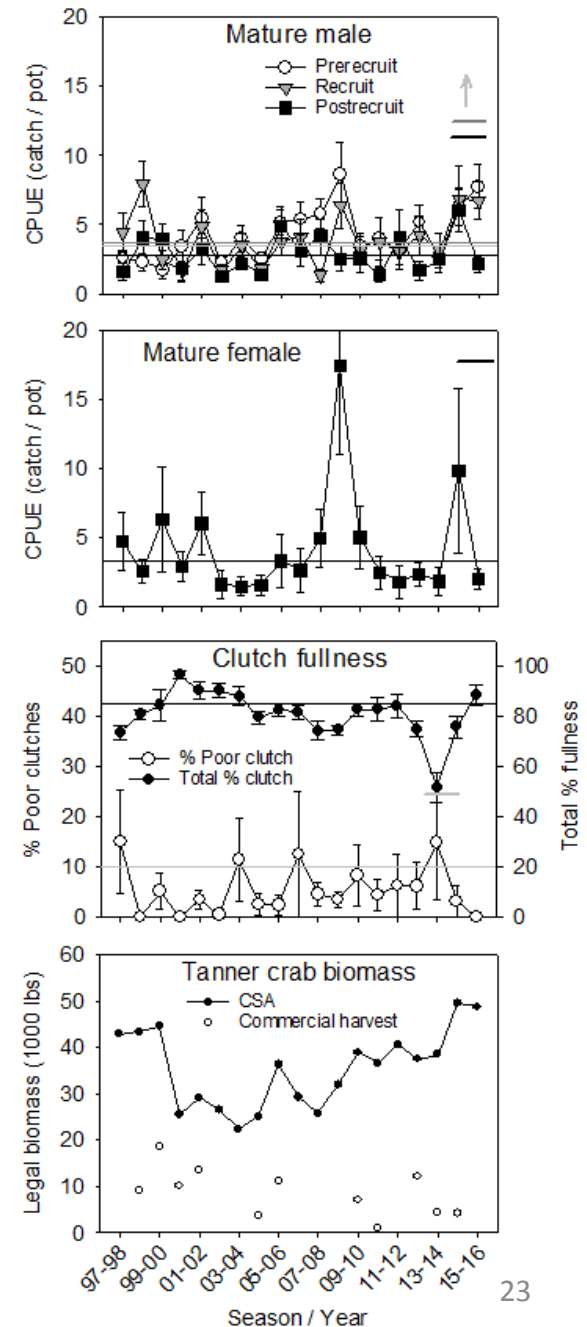




Photo by Ryan Littleton.

# Thanks!