SEAK Commercial Tanner Crab Update

2015/2016

King and Tanner Task Force Meeting

May 25, 2016

https://upload.wikimedia.org/wikipedia/commons/2/29/Chionoecetes_bairdi.jpg

Tanner Crab Harvest Strategy

5 AAC. 35.113

Pots Registered	Additional Fishing Days	Additional Fishing Days
	Mature Biomass is Between 2,300,000 and 5,500,000 lb	*Mature Biomass is Greater than 5,500,000 lb*
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

2015/2016 Commercial Tanner Season Summary

- **Landed Poundage:** 1,306,416 lb
- **Number of Crab:** 519,561
- **Total Permits with Landings:** 60 Pot/14 Ring
- **Core Poundage:** 84% of Total Harvest
- **Non-Core Poundage:** 16% of Total Harvest
- **Average CPUE – Pot**: 15.8
- **Average CPUE – Ring:** 1.2
- **Average $/LB –** $2.23

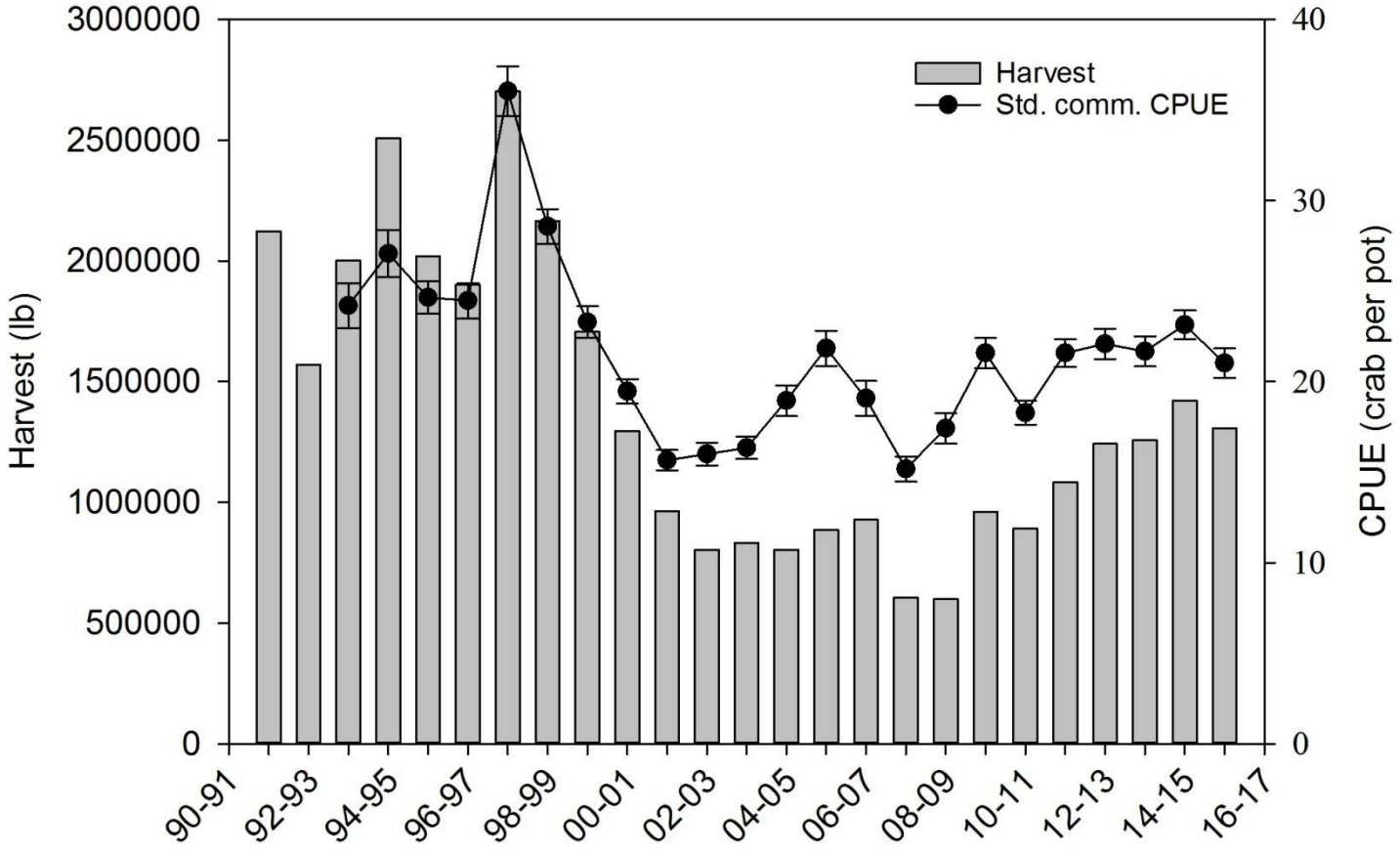
Commercial Tanner Season Summary
2013/14 and 2014/15

Last two seasons' harvest by district:

District	2014/15	2015/16
5	0	*
6	19,863	27,891
7	*	*
8	48,346	44,040
9	*	14,236
10	132,680	259,302
11	748,332	524,269
12	22,747	35,142
13	37,628	27,433
14	209,969	221,820
15	194,346	150,445
Total	1,421,863	1,306,416

*Confidential data: Less than 3 Permit Holders

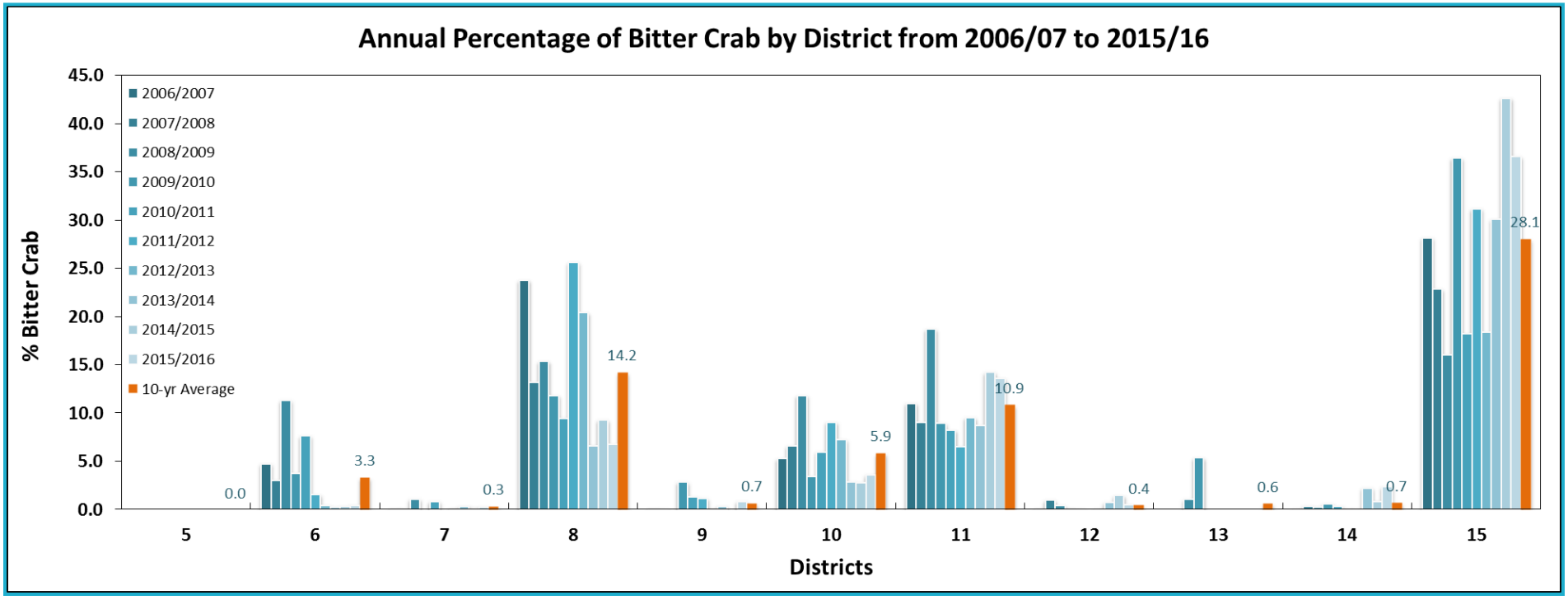
Harvest and Commercial CPUE



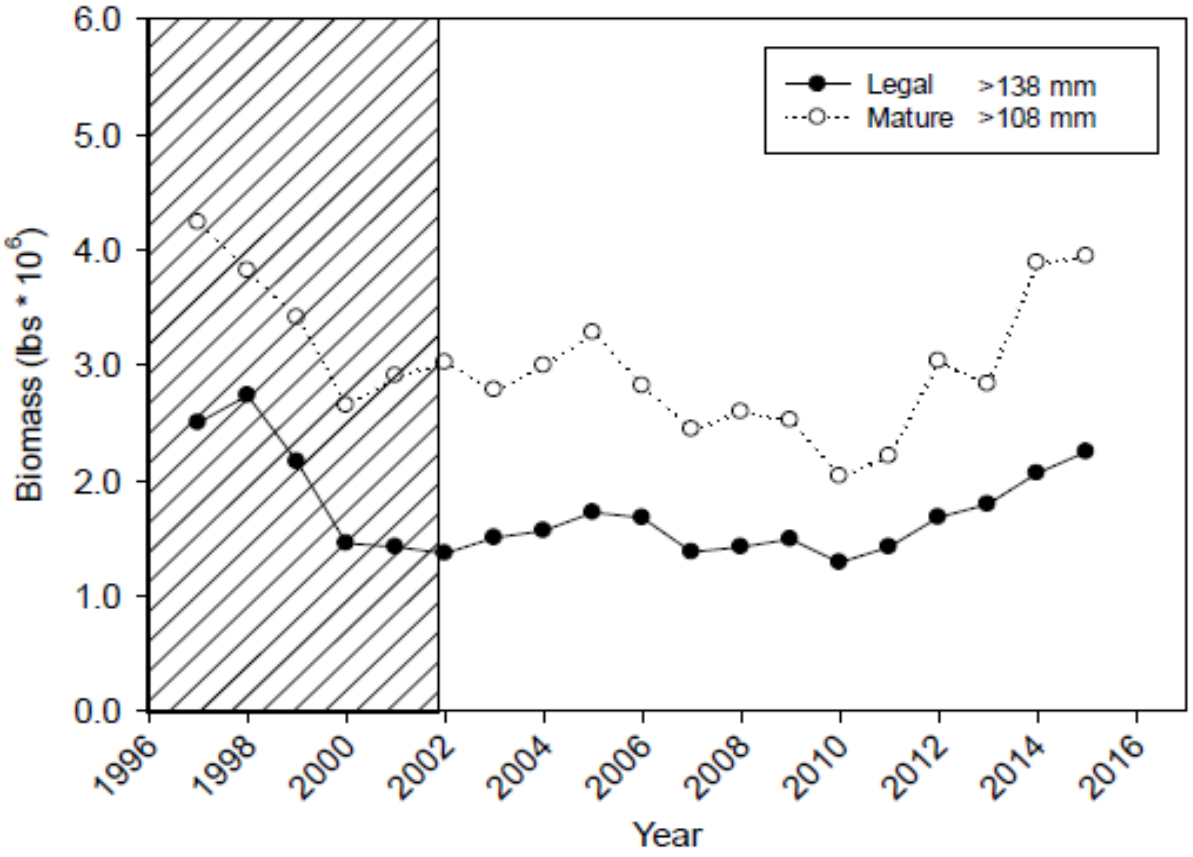
Annual % of BCD by District

2006/07 to 2015/16

District	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	10-yr Average
5	0.0	-	0.0	-	-	-	-	0.0	-	-	**0.0**
6	4.7	3.0	11.3	3.7	7.6	1.5	0.4	0.2	0.3	0.4	**3.3**
7	0.1	0.1	1.1	-	0.8	0.0	0.1	0.4	0.2	0.3	**0.3**
8	23.8	13.2	15.4	11.8	9.5	25.6	20.4	6.6	9.3	6.8	**14.2**
9	0.1	0.0	0.0	2.8	1.3	1.2	0.1	0.3	0.0	0.8	**0.7**
10	5.3	6.6	11.8	3.4	6.0	9.1	7.2	2.9	2.8	3.6	**5.9**
11	11.0	9.0	18.7	8.9	8.2	6.5	9.5	8.7	14.2	13.6	**10.9**
12	0.1	1.0	0.4	0.1	0.0	0.0	0.0	0.7	1.4	0.5	**0.4**
13	0.0	0.0	1.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	**0.6**
14	0.0	0.4	0.3	0.6	0.3	0.1	0.0	2.2	0.9	2.4	**0.7**
15	28.2	22.9	16.0	36.4	18.3	31.2	18.4	30.1	42.7	36.6	**28.1**



Trends in Male Tanner crab: Mature and Legal Biomass Estimates



Estimated SEAK **Mature** Tanner Crab Biomass:

2015/2016

Estimated: 5.69 Million Lb

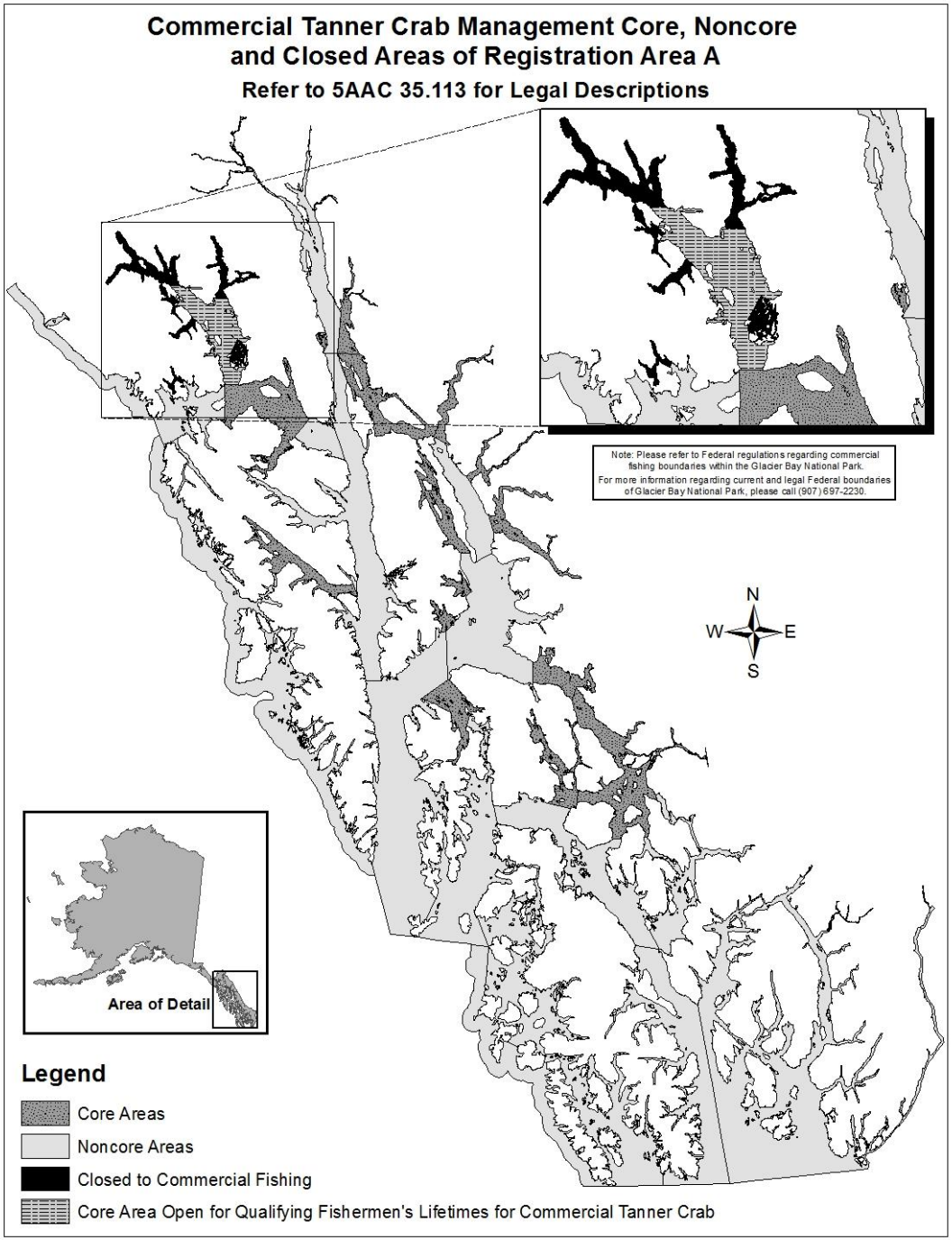
2015/2016

LEGALLY Harvested Tanner Crab

1,306,416 Lb

Questions?

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:**

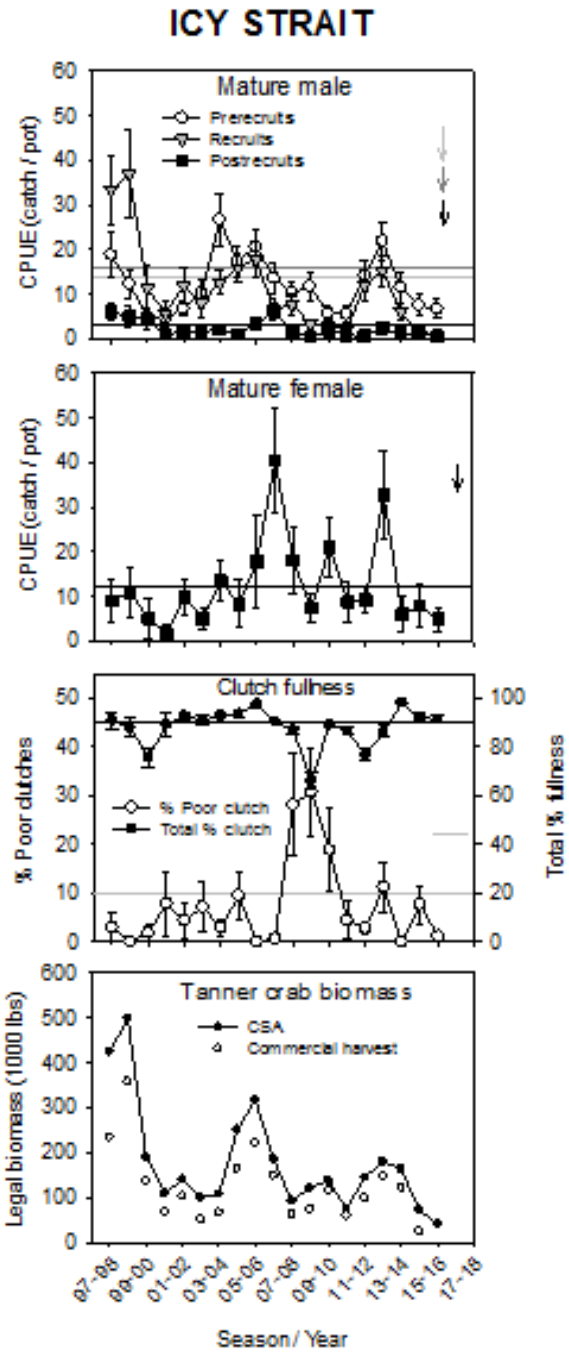
Icy Strait
Glacier Bay
Thomas Bay
Holkham Bay

- **Red King Crab Survey Areas:**

Stephens Passage
Seymour Canal
North Juneau
Excursion Inlet
Pybus Bay
Gambier Bay
Peril Strait
Lynn Sisters

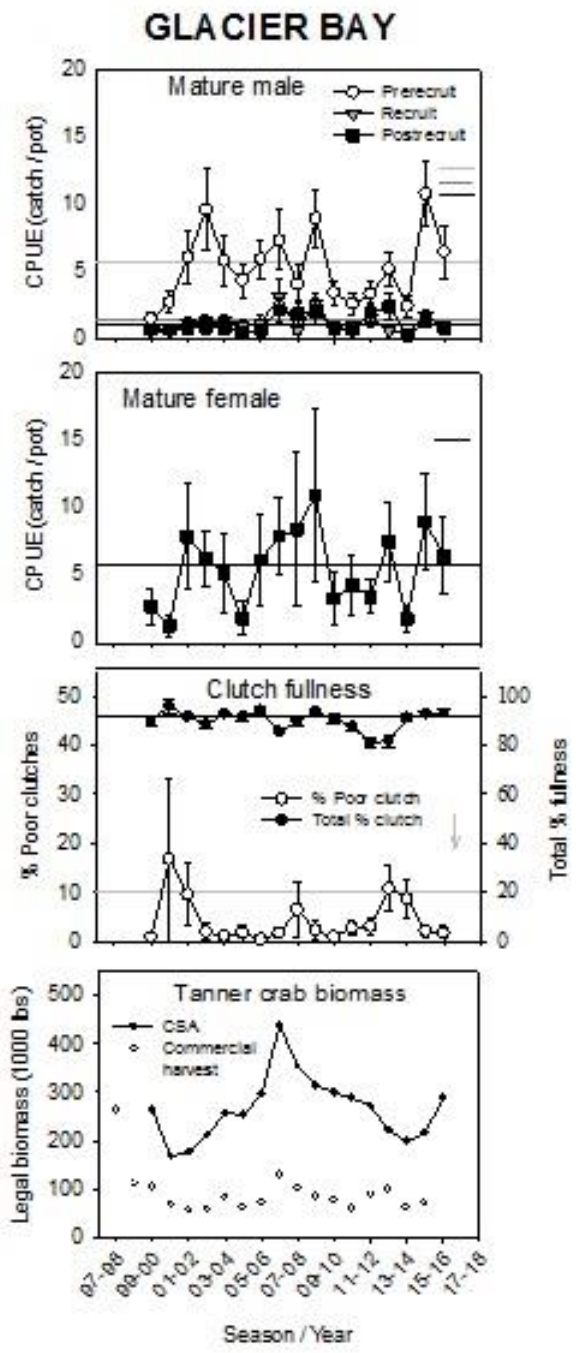
ICY STRAIT

- 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.



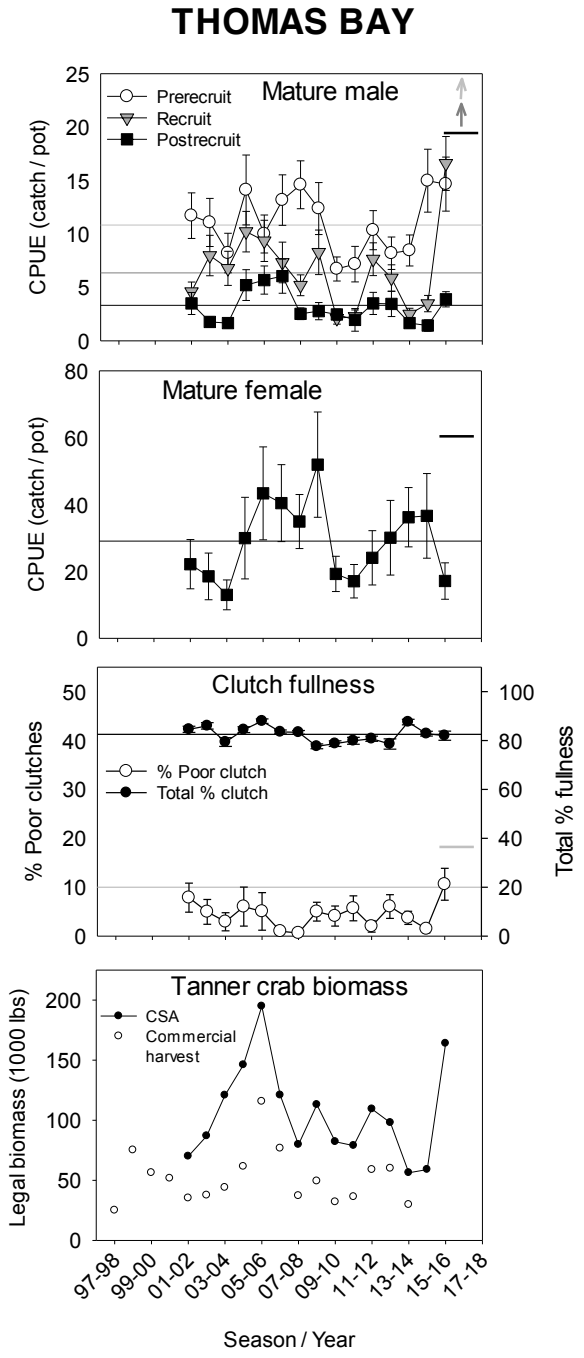
GLACIER BAY

- 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.



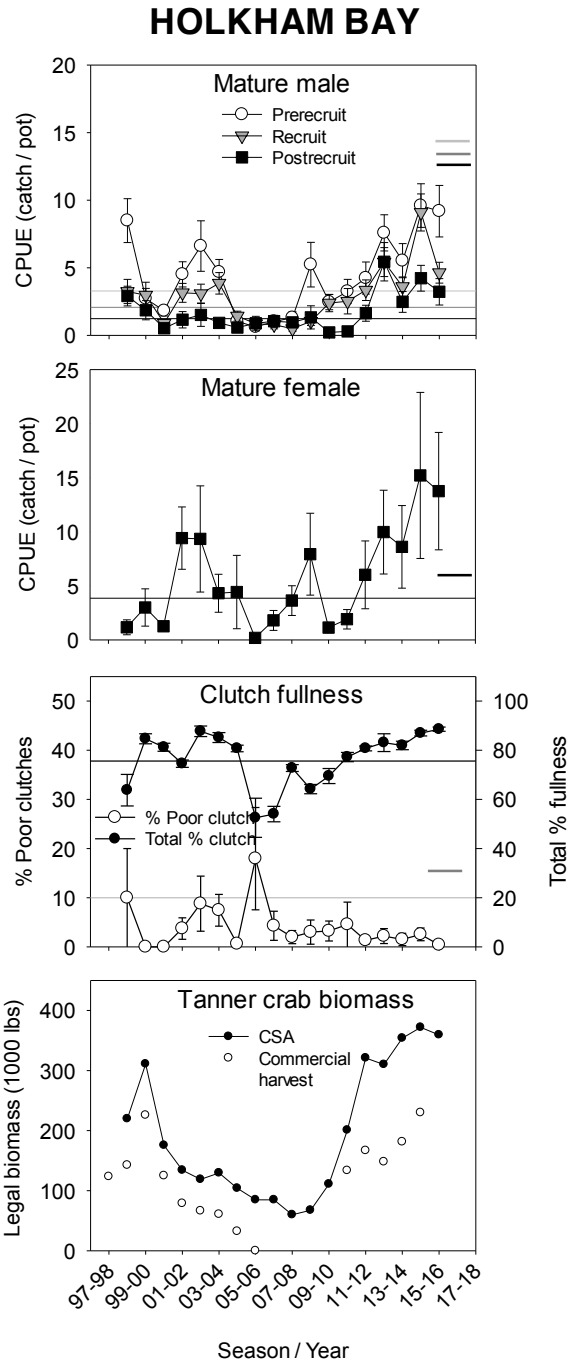
THOMAS BAY

- 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%.



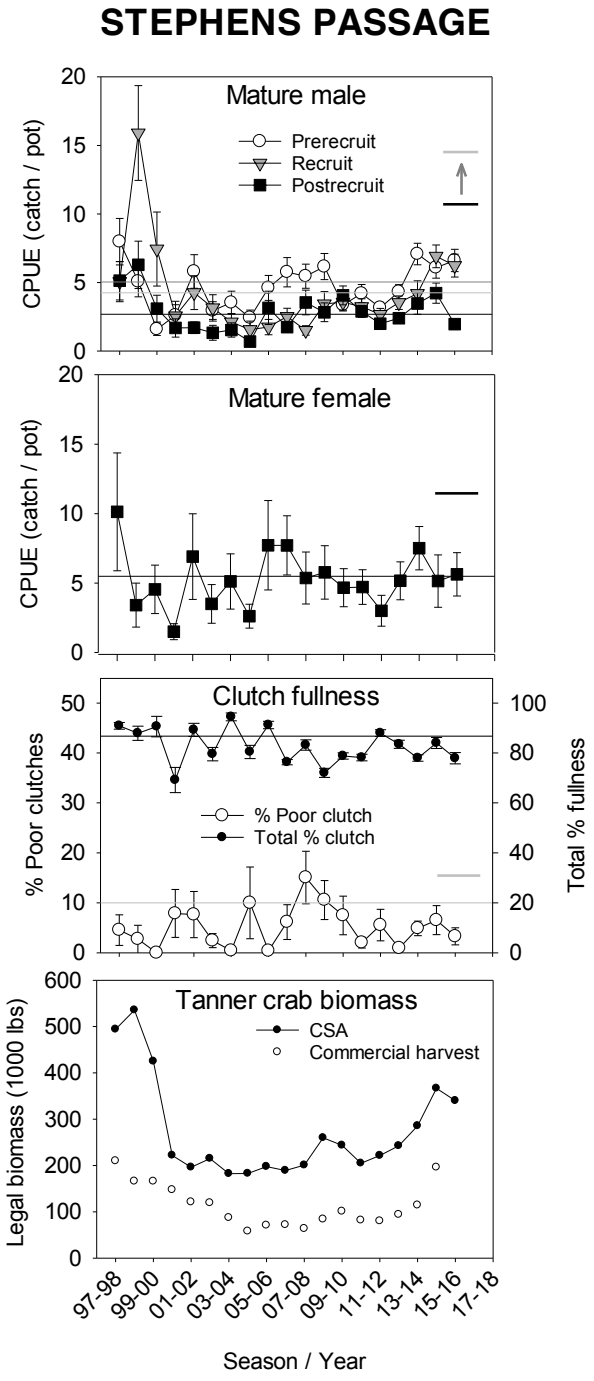
HOLKHAM BAY

- 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%



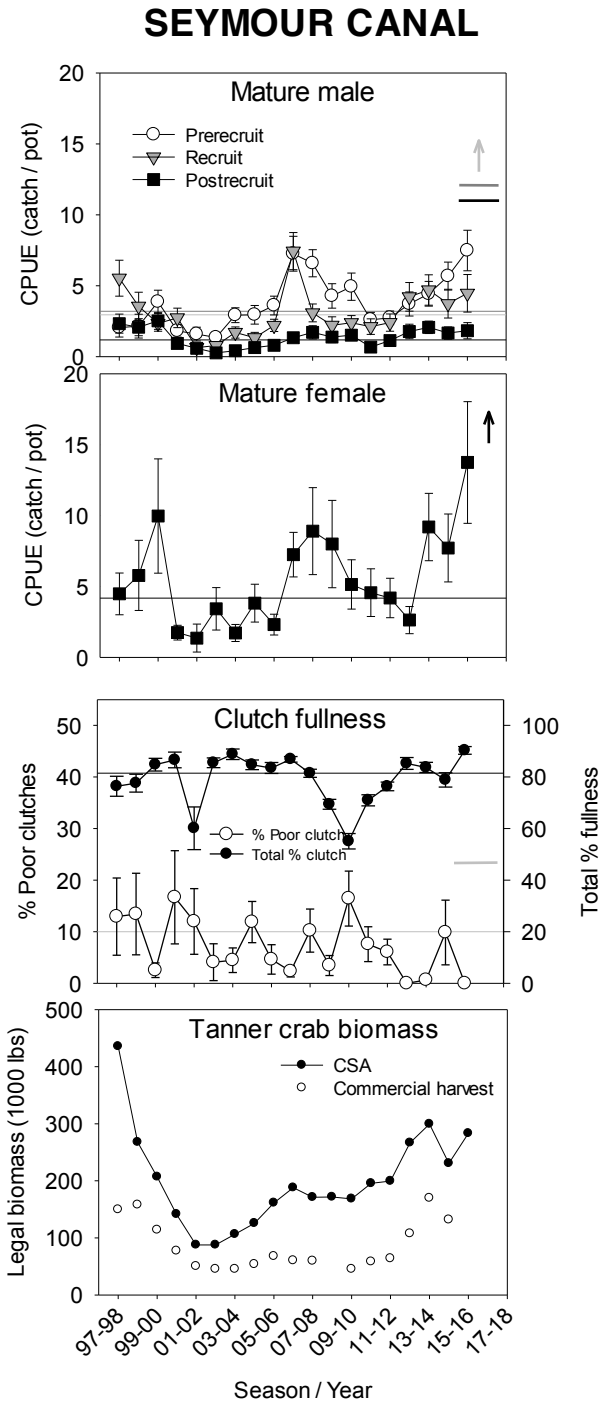
STEPHENS PASSAGE

- 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.



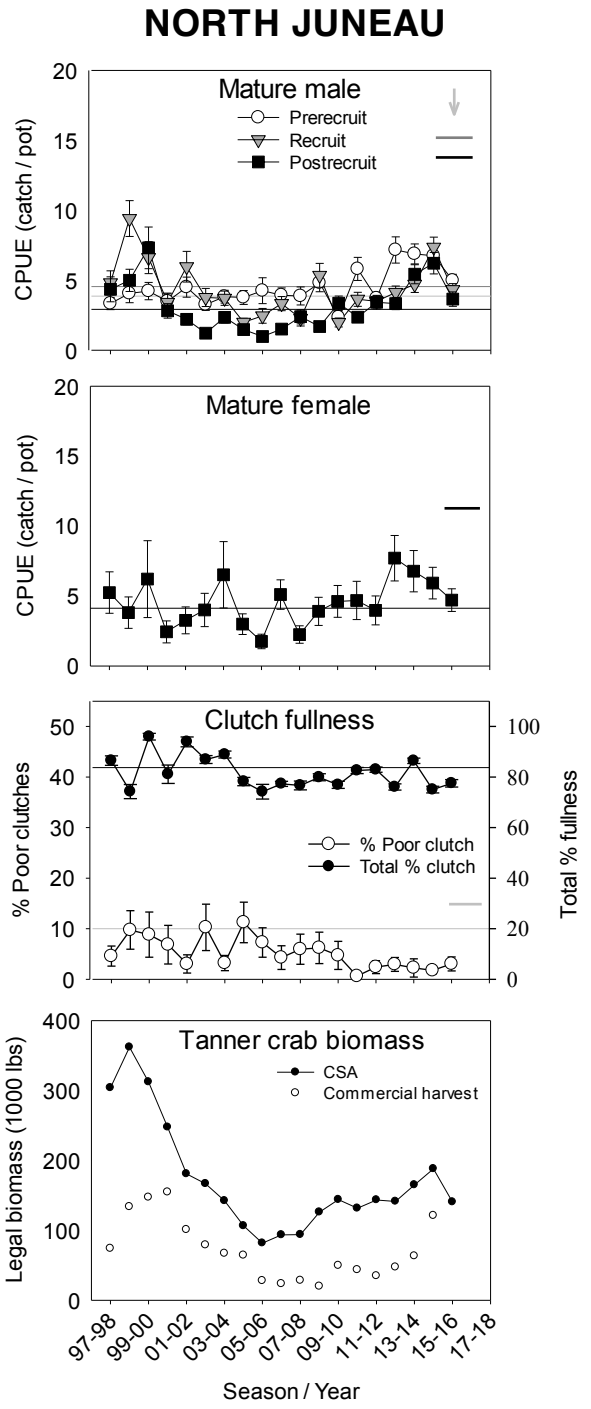
SEYMOUR CANAL

- 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.



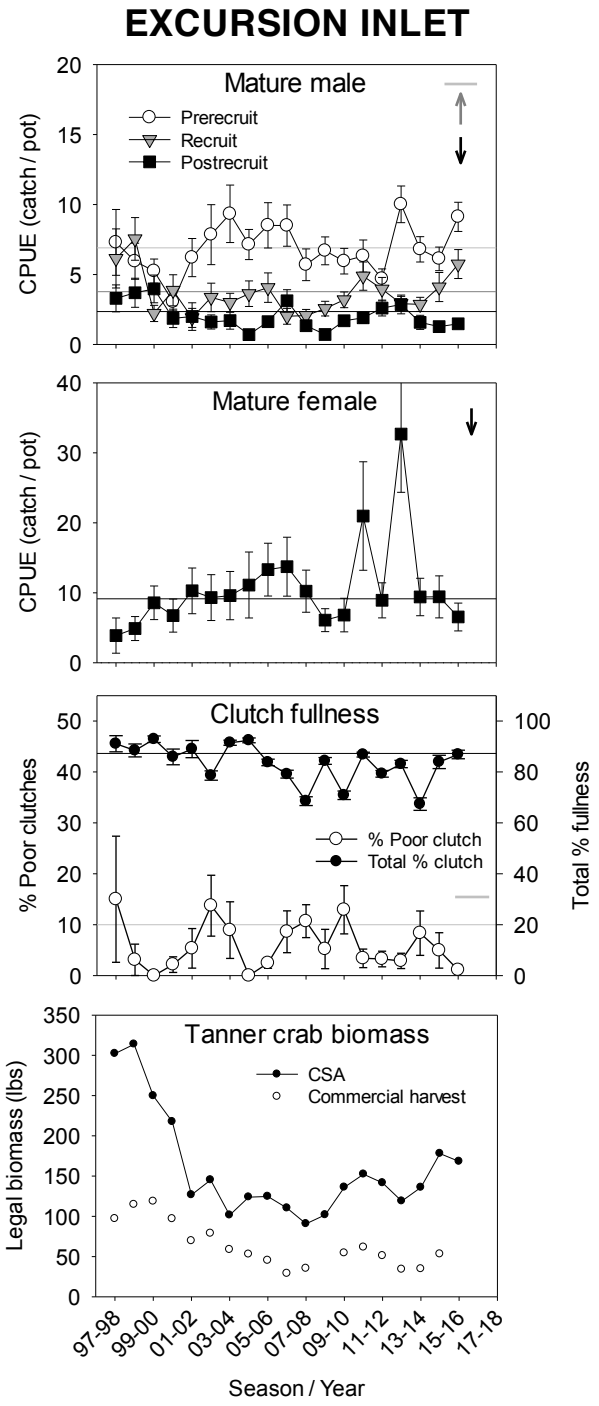
NORTH JUNEAU

- 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.



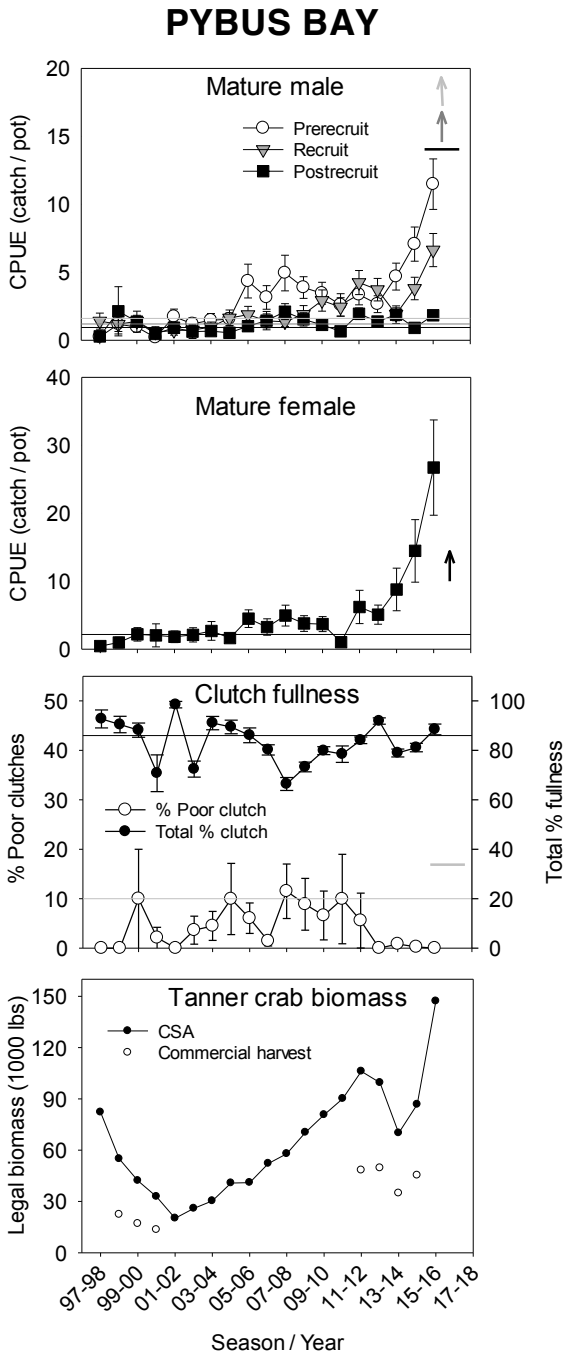
EXCURSION INLET

- 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%.



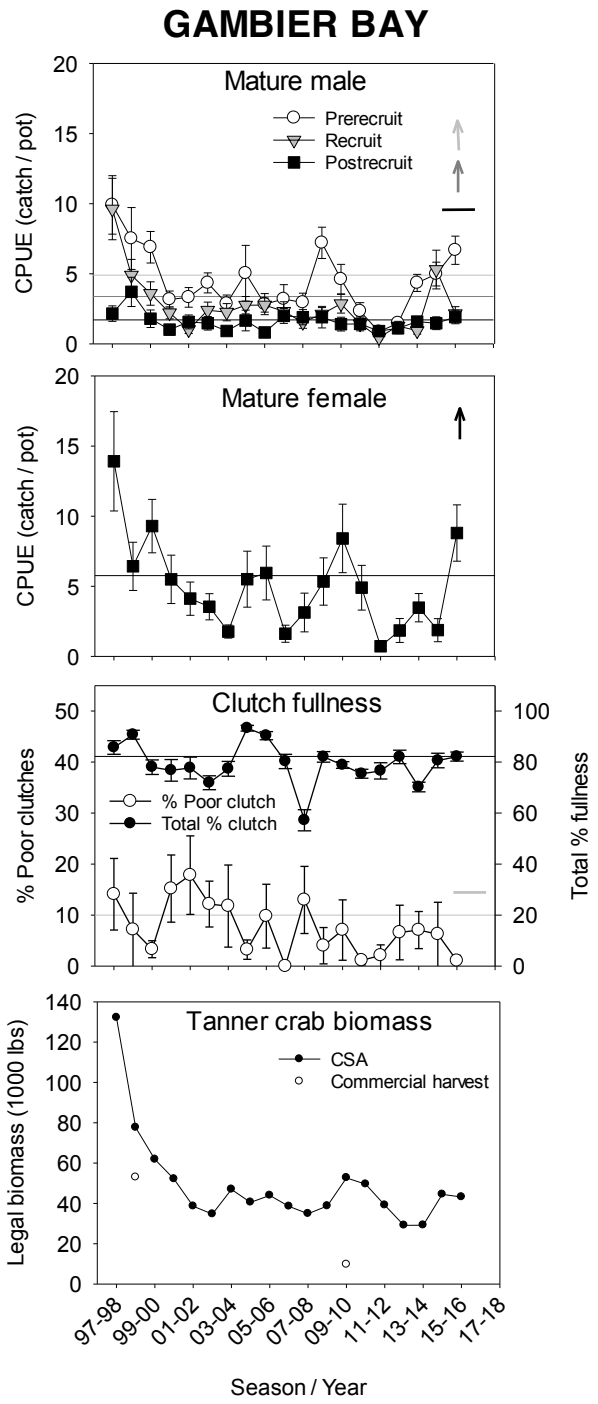
PYBUS BAY

- 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%.



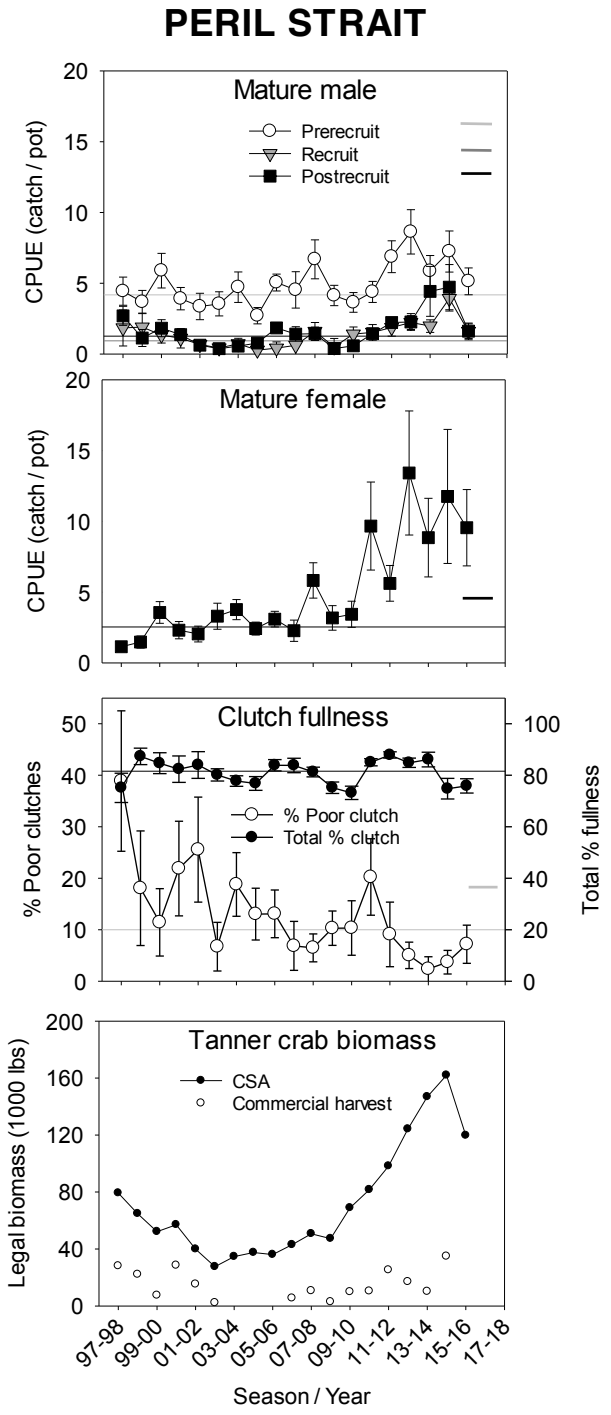
GAMBIER BAY

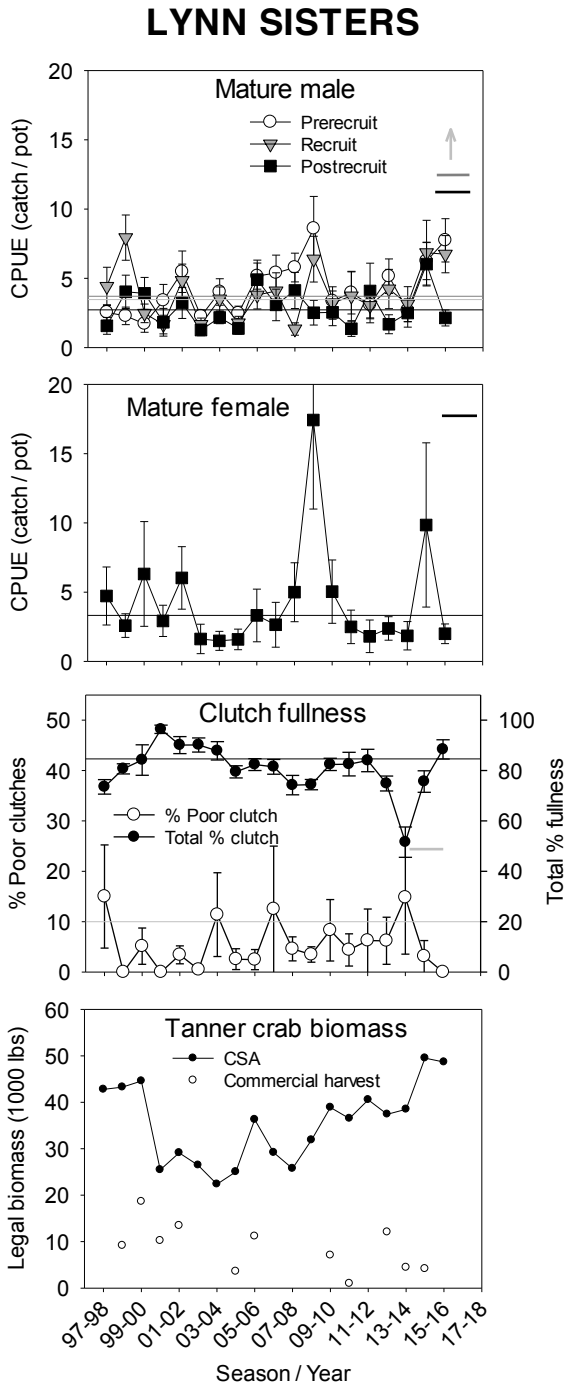
- Stock Health Status: *Above Average*
- CPUEs of pre-and post-recruits at or above **L-T** averages.
- Increasing **S-T** trends in pre-recruit, recruit, and mature female CPUEs.
- Recruit CPUE is below **L-T** average.
- % of females with poor clutch fullness was less than 10%.



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%.