



# Central Region Scallop Management



Cook Inlet and Prince William Sound  
Commercial Fisheries

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Scallop Plan Team meeting 2-20-19

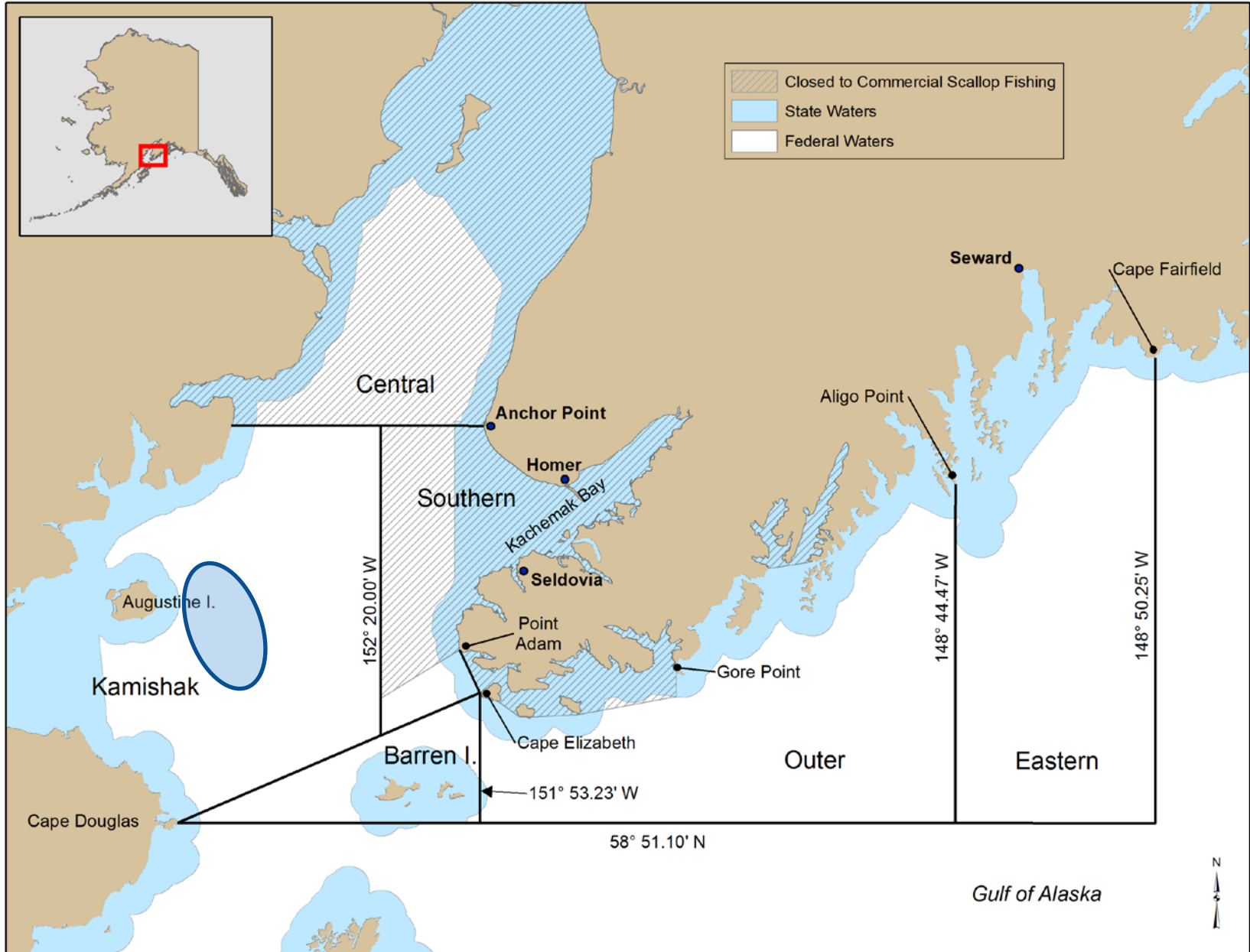
**Elisa Russ**

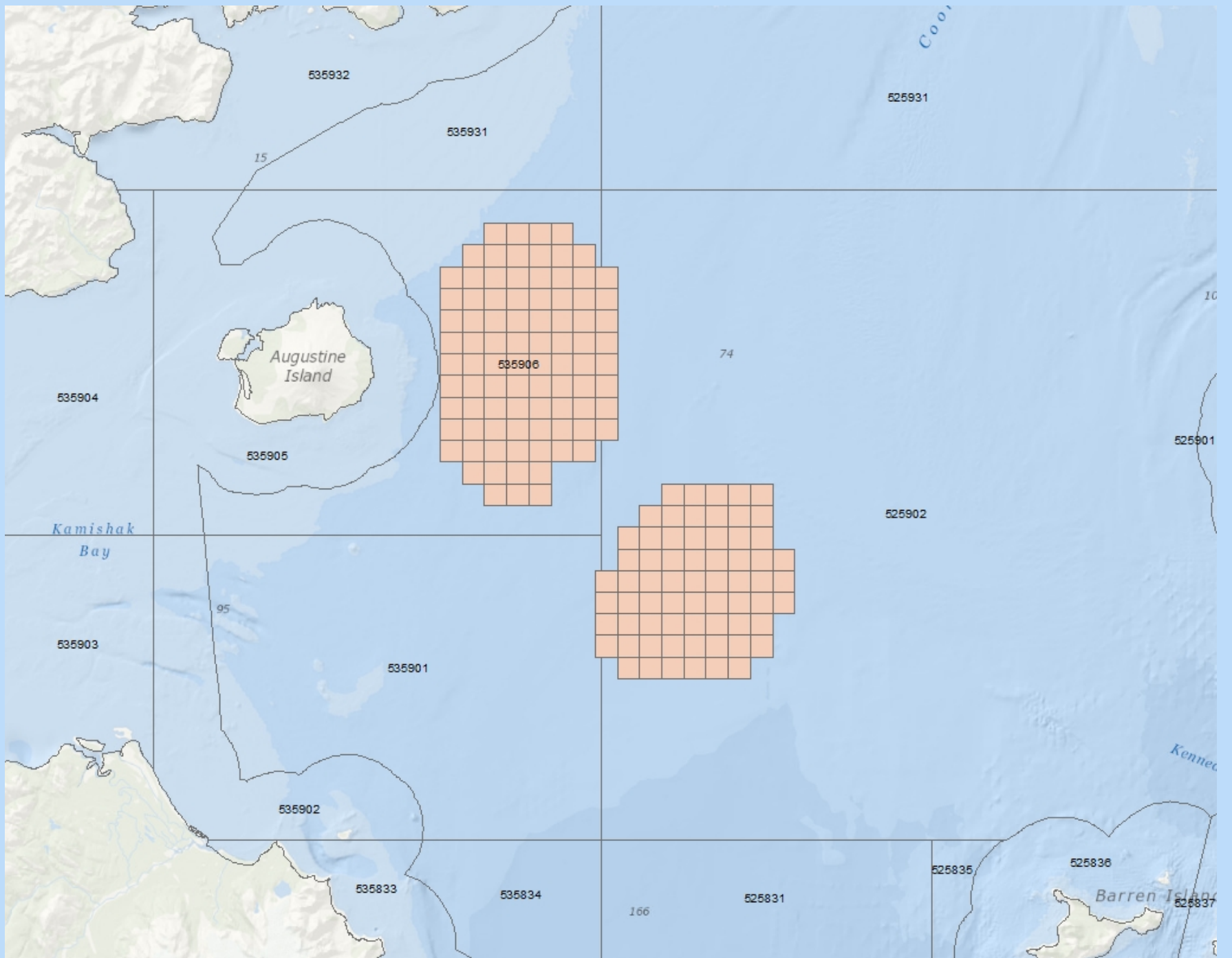
Assistant Area Shellfish Management Biologist for CI/PWS Areas

# Cook Inlet Area (Kamishak fishery)



# Cook Inlet Area Shellfish Districts

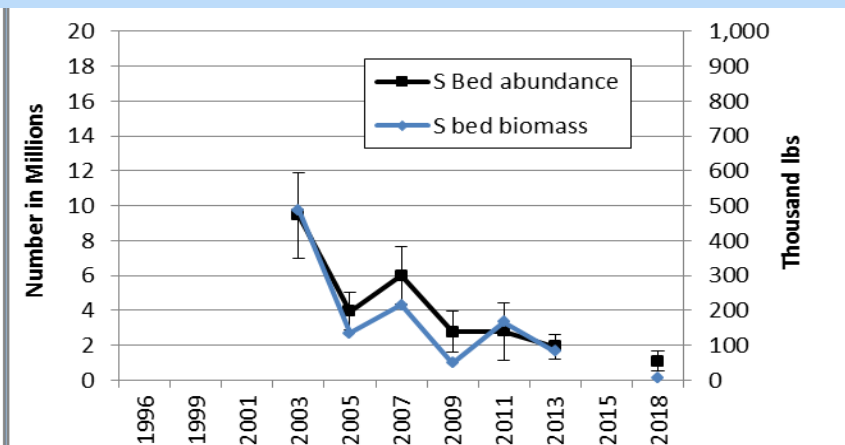
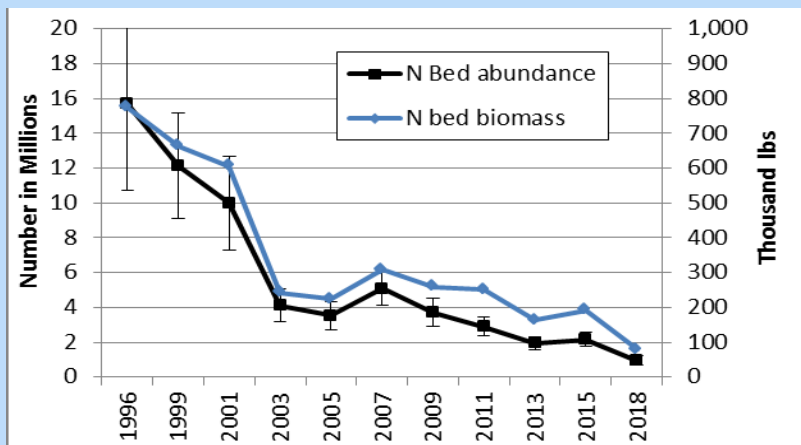




# Cook Inlet Area (H) Scallop Management

- Season
  - Kamishak District: August 15 – October 31, unless closed by EO.
  - All other districts by commissioner's permit only.
- Guideline Harvest Range (GHR):
  - 10,000 to 20,000 lb of shucked meat.
- Gear
  - Single 6' dredge (only area different than statewide regs)
  - Other gear requirements same as statewide (4" rings, chafing gear)
- Crab bycatch limits
  - King crab – fixed 30 crab (reduced from 60 in 2005)
  - Tanner crab
    - 0.5% of  $\geq 70$  mm crab estimated from scallop survey
    - Set at 3,933 crab after 2012 Kamishak Tanner crab survey (no trawl surveys since)
- Observer Requirements
  - Observer not required under statewide program.
    - Department observer accommodated upon request – typically about half of trips observed.
  - When no observer onboard, skipper collects 100 top valves per trip.
  - Observer data compiled by Central Region staff.
    - Analysis of fishery data, scallop catch, deadloss, discard rate, & catch composition provided to SPT for SAFE.
- Reporting by Vessel Operator – daily catch reports and logbooks.
- NEW – ***adopted by BOF March 2018:***
  - Allow commercially caught scallops in Kamishak Bay District to be delivered live.
    - No opportunity since fishery was closed in 2018 after survey results were analyzed.

# Setting GHL - Kamishak

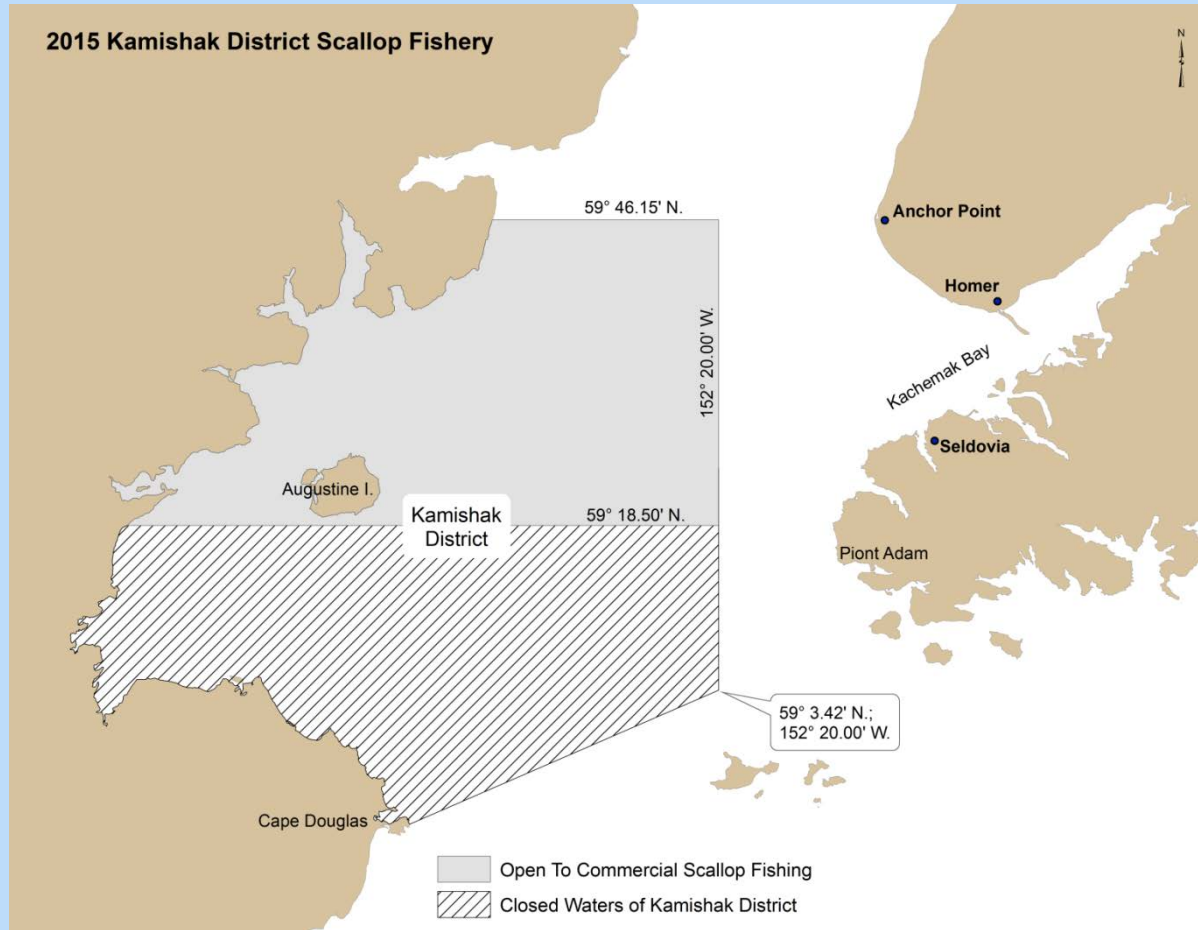


## North Bed

## South Bed

Survey Year	<u>North Bed</u>				<u>South Bed</u>				Total (Combined) GHL
	Estimated biomass (lb meat)	Exploitation Rate 0.05	Prior Year CF CPUE	North GHL	Estimated biomass (lb meat)	Exploitation Rate 0.05	Prior Year CF CPUE	South GHL	
1996	774,133	38,707	Closed	28,000					28,000
1999	663,482	33,174	44	20,000					20,000
2001	605,833	30,292	75	20,000					20,000
2003	242,810	12,141	26	Closed	487,790	24,389	33	20,000	20,000
2005	223,732	11,187	23	7,000	134,219	6,711	10	Closed	7,000
2007	307,722	15,386	5	7,000	215,724	10,786	Closed	5,000	12,000
2009	311,726	15,586	No effort	14,000	48,199	2,410	No effort	Closed	14,000
2011	250,179	12,509	26	12,500	165,819	8,291	Closed	Closed	12,500
2013	162,825	8,141	30	Closed	82,620	4,131	Closed	Closed	Closed
2015	191,915	9,596	30	10,000	-	-		Closed	10,000
2018	78,441	3,922	NA	Closed	7,257	363	Closed	Closed	Closed

# Kamishak District area open 2015-17



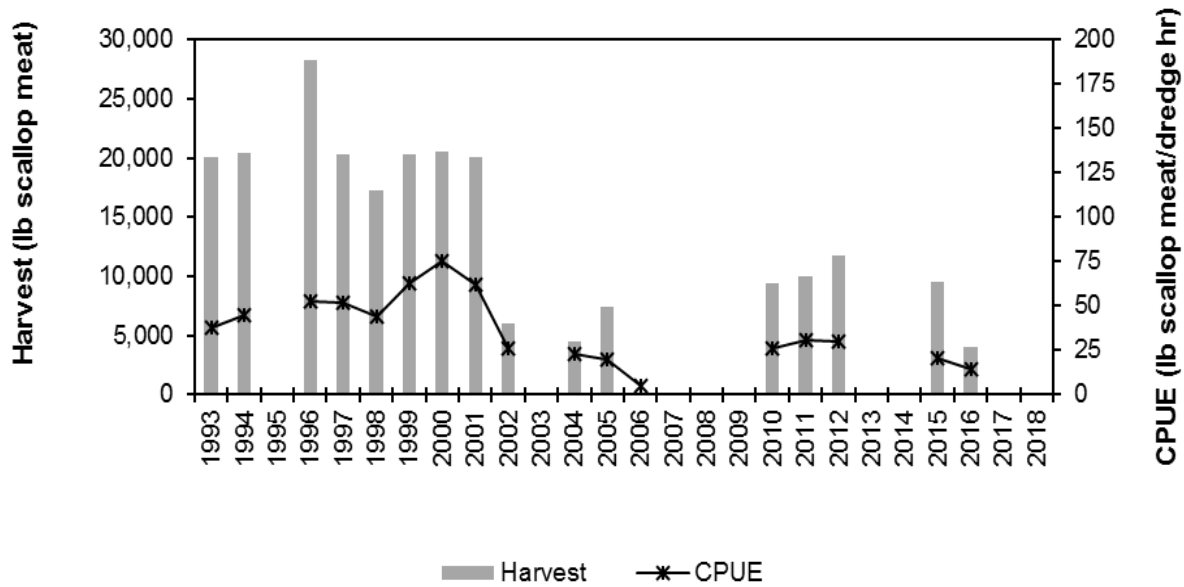
Kamishak District fishery closed in 2018

# Kamishak Scallop Harvest & CPUE

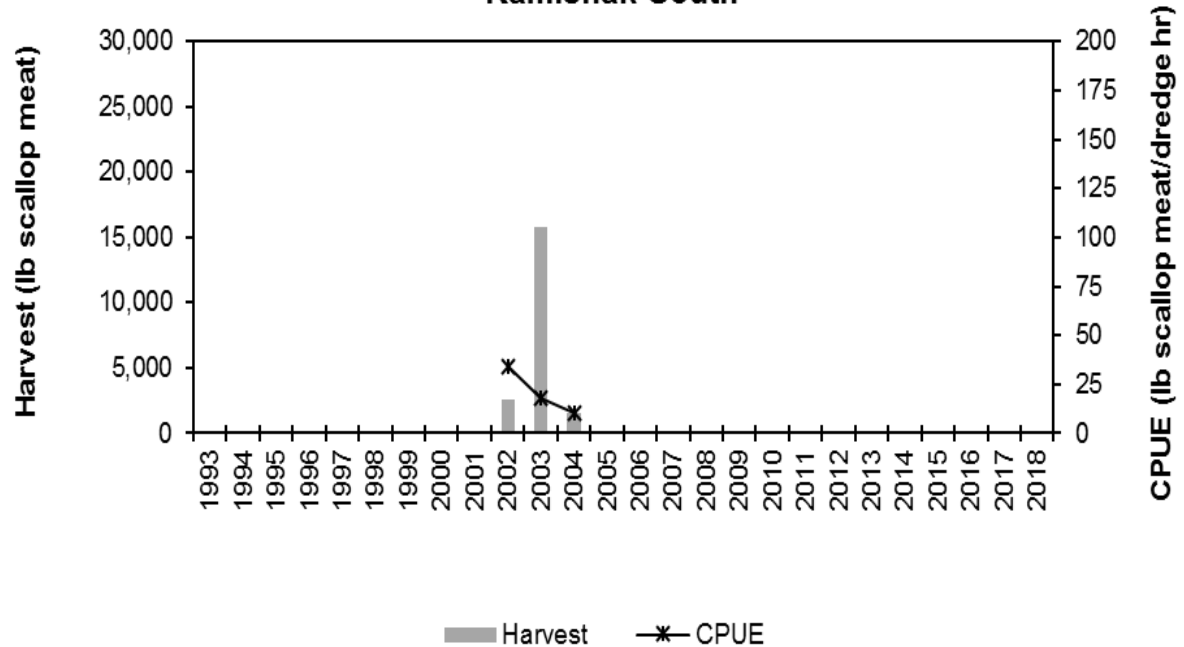
		North Bed				South Bed				Total Both Beds			
Number		GHL	Catch (lb)	Dredge-	CPUE	GHL	Catch (lb)	Dredge-	CPUE	GHL	Catch (lb)	Dredge-	CPUE
Year of vessels		lb meat	shucked meats	Hours	lb/hour	lb meat	shucked meats	Hours	lb/hour	lb meat	shucked meats	Hours	lb/hour
1983	1		2,346	109	22						2,346	109	22
1984	3		6,305	248	25						6,305	248	25
1985	1	20,000	11,810	299	40					20,000	11,810	299	40
1986	3	20,000	15,364	424	36					20,000	15,364	424	36
1987	2	20,000	1,488	24	15					20,000	1,488	24	15
1988-1992			No Effort										
1993	3	20,000	20,115	528	38					20,000	20,115	528	38
1994	4	20,000	20,431	458	45					20,000	20,431	458	45
1995			Closed								Closed		
1996	5	28,000	28,228	534	53					28,000	28,228	534	53
1997	3	20,000	20,336	394	52					20,000	20,336	394	52
1998	1	20,000	17,246	390	44					20,000	17,246	390	44
1999	3	20,000	20,315	325	63					20,000	20,315	325	63
2000	3	20,000	20,516	275	75					20,000	20,516	275	75
2001	2	20,000	20,097	325	62					20,000	20,097	325	62
2002	3	20,000	6,045	235	26		2,546	76	33	20,000	8,591	311	28
2003	2		Closed			20,000	15,843	896	18	20,000	15,843	896	18
2004	3	6,500	4,519	198	23	13,500	1,598	166	10	20,000	6,117	364	17
2005	2	7,000	7,378	372	20		Closed			7,000	7,378	372	20
2006	1	7,000	50	10	5		Closed			7,000	50	10	5
2007-08		7,000	No Effort			5,000				12,000			
2009	0	14,000	No Effort				Closed			14,000			
2010	1	14,000	9,460	365	26		Closed			14,000	9,460	365	26
2011	1	12,500	9,975	324	31		Closed			12,500	9,975	324	31
2012	1	12,500	11,739	392	30		Closed			12,500	11,407	392	30
2013-14			Closed				Closed						
2015	1	10,000	9,485	459	21		Closed			10,000	9,485	459	21
2016	1	10,000	3,982	271	15		Closed			10,000	3,982	271	15
2017		10,000	No Effort				Closed			10,000			
2018			Closed				Closed						



### Kamishak North



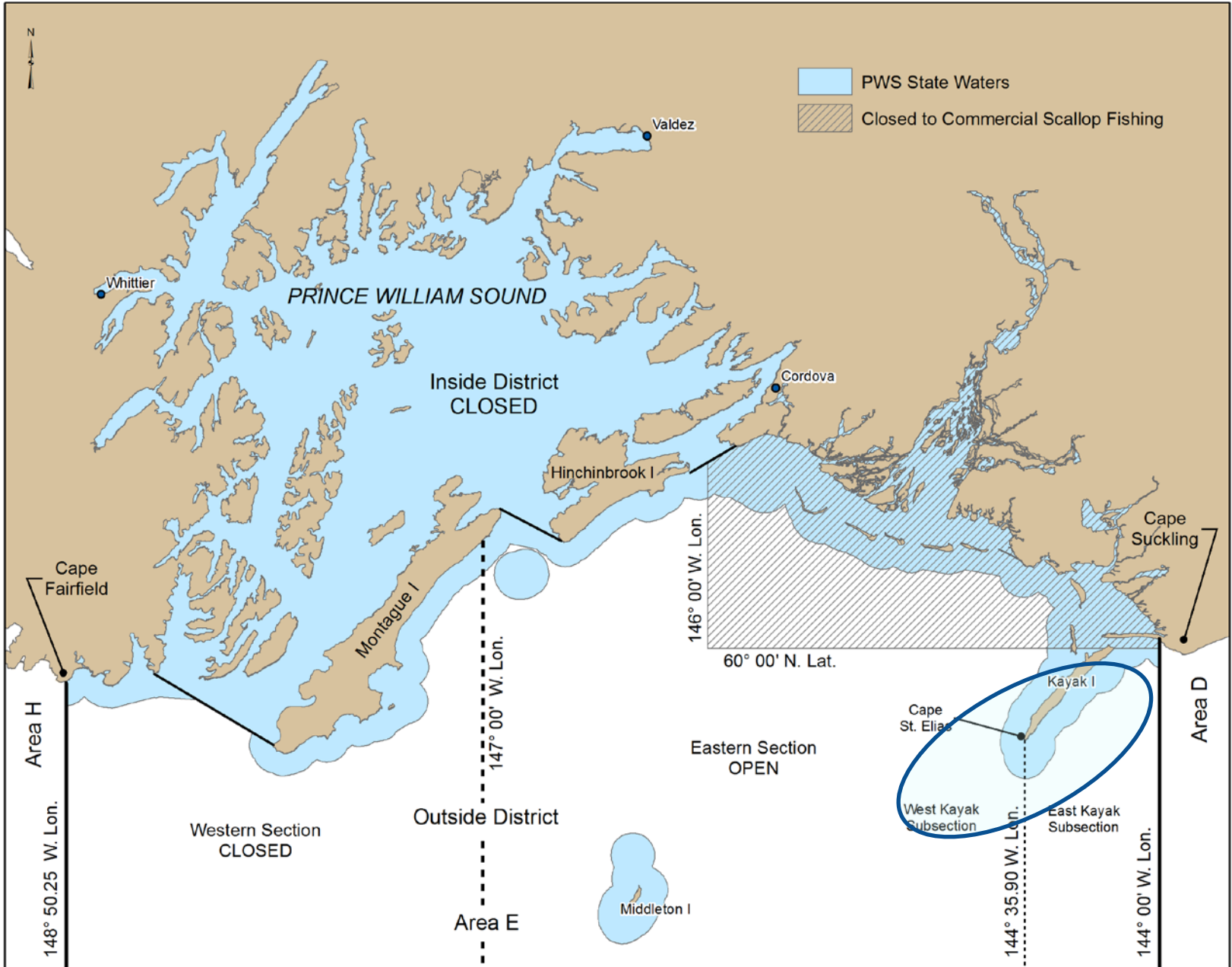
### Kamishak South



# Prince William Sound Area (Kayak fishery)



# PWS Area Shellfish Districts



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Kayak Island

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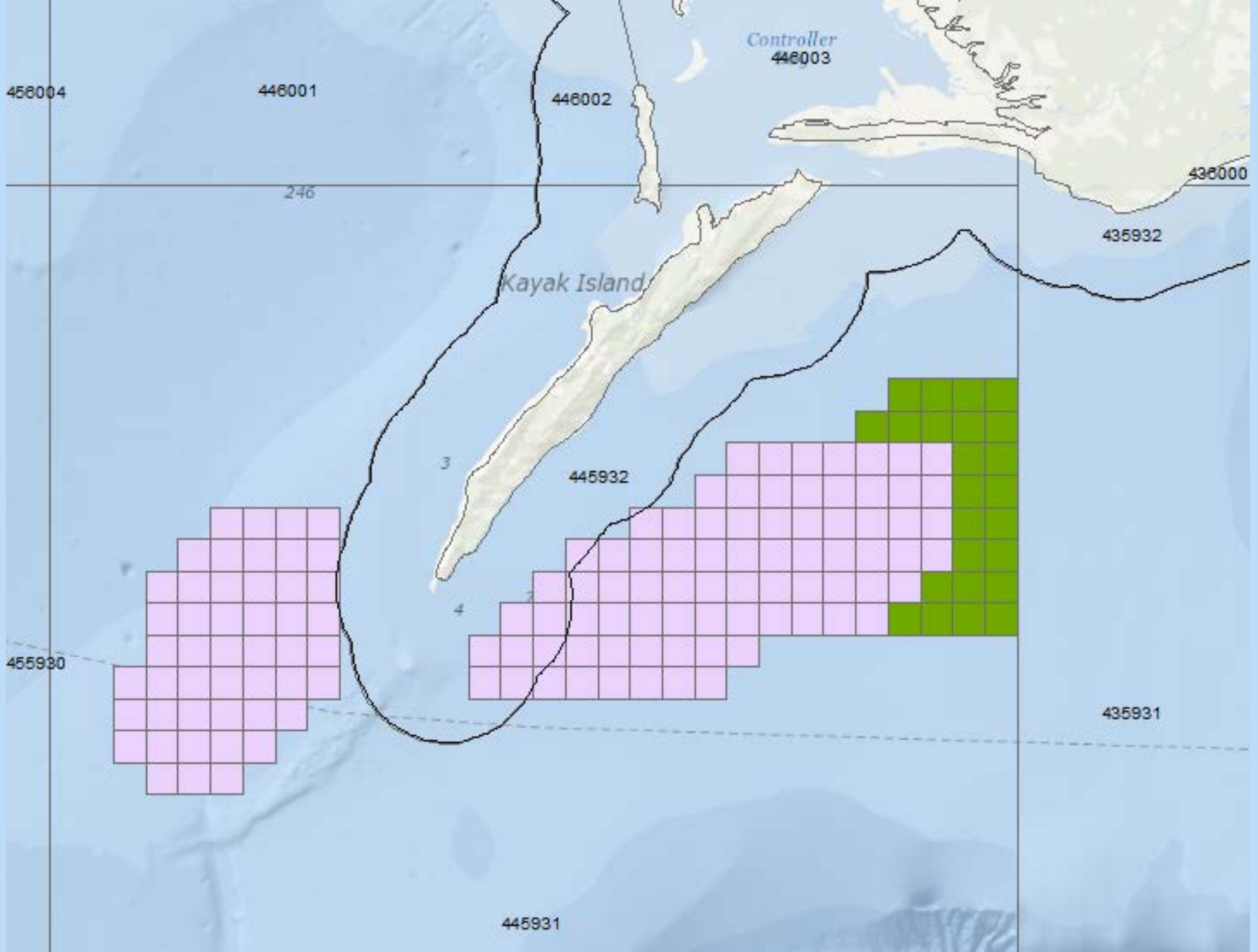
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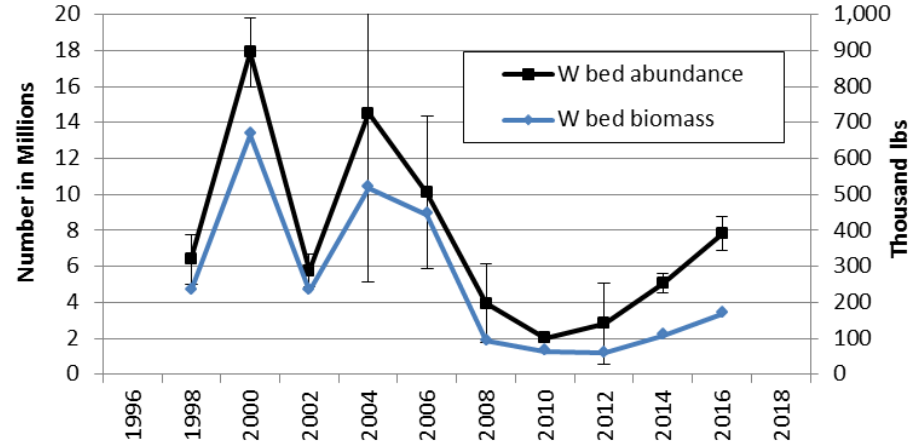
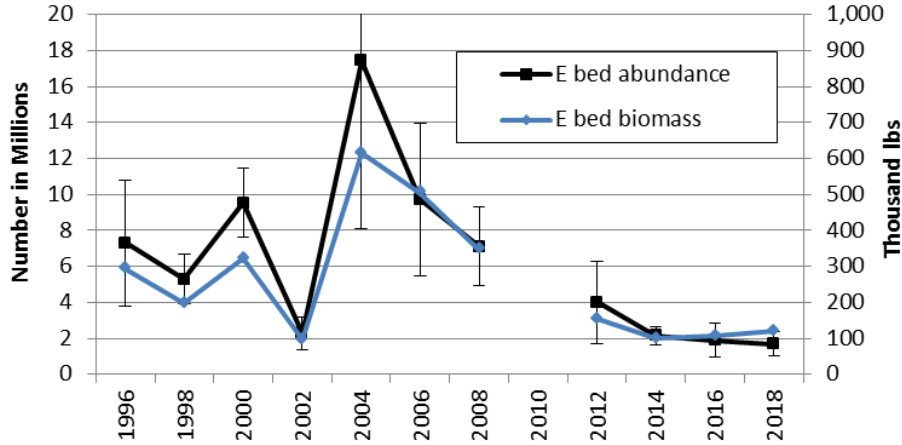
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# PWS Area (E) Scallop Management

- Season
  - Eastern Section, Outside District: July 1 – February 15 (unless closed by EO).
- Guideline Harvest Range (GHR):
  - Zero to 50,000 lb of shucked meat.
- Gear – same as statewide regulations
  - Maximum of two dredges, 15' wide; 4" rings; chafing gear specs
- Crab bycatch limits
  - Tanner crab
    - Fixed at 8,700 crab in Eastern Section and 2,700 in Western Section.
    - Set at 0.5% of historical crab estimate.
    - Tanner crab observed during fishery are small – generally <70 mm; catch has been low, well below limits.
  - (No king crab limit set.)
- Observer requirements
  - Onboard observer required per statewide regulations.
  - Observer data compiled by statewide staff and distributed to Central Region staff.
- Reporting by vessel operators – daily catch reports and logbooks.

# Setting GHL – Kayak (PWS)

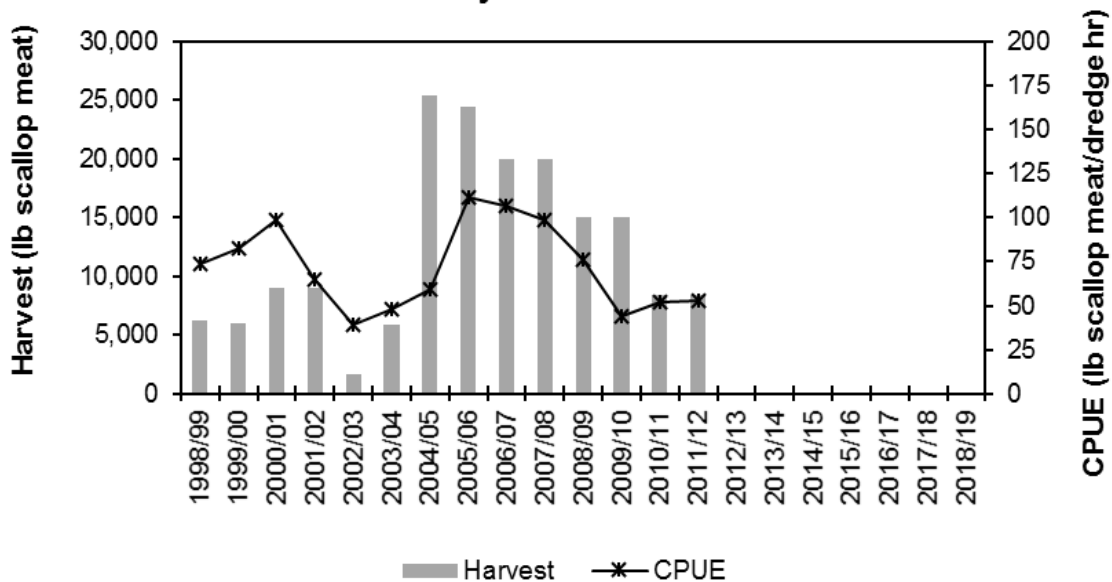


Survey Year	<u>East Bed</u>				<u>West Bed</u>				Total (Combined) GHL
	Estimated biomass (lb meat)	Exploitation Rate 0.05	Prior Year CF CPUE	East GHL	Estimated biomass (lb meat)	Exploitation Rate 0.05	Prior Year CF CPUE	West GHL	
1996	292,114	14,606	Closed	Closed					Closed
1998	196,977	9,849	105	6,000	231,776	11,589	105	14,000	20,000
2000	322,274	16,114	82	9,000	666,491	33,325	178	21,000	30,000
2002	95,609	4,780	65	6,000	232,909	11,645	170	14,000	20,000
2004	614,195	30,710	48	26,000	518,689	25,934	151	24,000	50,000
2006	505,317	25,266	114	20,000	444,276	22,214	92	17,000	37,000
2008	346,576	17,329	99	15,000	92,548	4,627	76	5,000	20,000
2010	†		44	8,400	62,776	3,139	57	Closed	8,400
2012	152,412	7,621	53	Closed	58,744	2,937	Closed	Closed	Closed
2014	99,918	4,996	Closed	Closed	107,431	5,371	Closed	Closed	Closed
2016	106,225	5,311	Closed	Closed	168,033	7,907	Closed	6,300	6,300
2018	119,780	5,989	Closed	Closed	Not surveyed		62	6,300	6,300

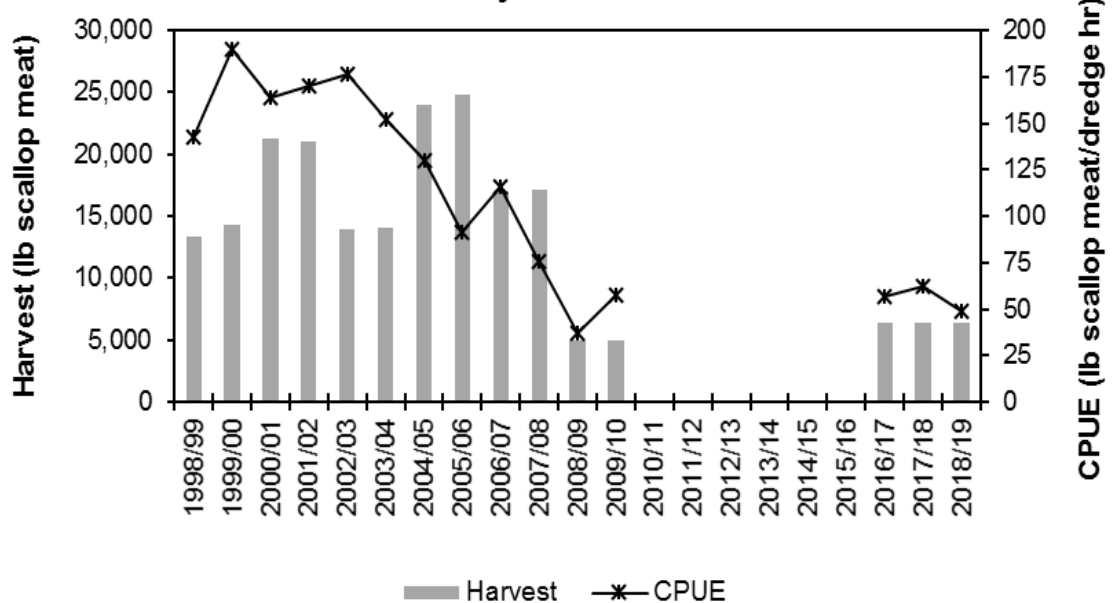
# Kayak Island (PWS) Scallop Harvest & CPUE

Year	Number of vessels	East Bed				West Bed				Total Both Beds			
		GHL lb meat	Catch (lb) shucked meats	Dredge-Hours	CPUE lb/hour	GHL lb meat	Catch (lb) shucked meats	Dredge-Hours	CPUE lb/hour	GHL lb meat	Catch (lb) shucked meats	Dredge-Hours	CPUE lb/hour
1992	4									64,000	208,836	NA	NA
1993	7									50,000	63,068	638	99
1994/95										Closed			
1995/96	3									50,000	108,000	NA	NA
1996/97										Closed			
1997/98	1									17,200	18,000	171	105
1998/99	2	6,000	6,210	85	73	14,000	13,440	94	143	20,000	19,650	179	110
1999/00	2	6,000	6,065	74	82	14,000	13,525	76	178	20,000	20,410	149	137
2000/01	3	9,000	8,998	95	95	21,000	21,268	129	165	30,000	30,266	221	137
2001/02	1	9,000	9,060	140	65	21,000	21,030	124	170	30,000	30,090	263	114
2002/03	2	6,000	1,680	43	39	14,000	13,961	79	177	20,000	15,641	122	128
2003/04	1	6,000	5,910	123	48	14,000	14,070	93	152	20,000	19,980	216	93
2004/05	2	26,000	25,350	430	59	24,000	23,970	185	130	50,000	49,320	614	80
2005/06	3	26,000	24,435	219	112	24,000	24,781	272	91	50,000	49,216	491	100
2006/07	2	20,000	20,010	188	106	17,000	17,005	147	116	37,000	37,015	335	110
2007/08	2	20,000	20,015	203	99	17,000	17,090	225	76	37,000	37,105	428	87
2008/09	1	15,000	15,030	197	76	5,000	5,010	134	37	20,000	20,040	331	61
2009/10	2	15,000	15,035	335	45	5,000	4,980	84	59	20,000	20,015	419	48
2010/11	1	8,400	8,445	161	52		Closed			8,400	8,445	161	52
2011/12	1	8,400	8,460	160	53		Closed			8,400	8,460	160	53
2012/13 -2015/16			Closed				Closed				Closed		
2016/17	1		Closed			6,300	6,360	112	57	6,300	6,360	112	57
2017/18	1		Closed			6,300	6,330	102	62	6,300	6,330	102	62
2018/19			Closed			6,300	6,420	133	48	6,300	6,420	133	48

### Kayak Island East



### Kayak Island West





Any questions?

