

Table 1. Mandatory shellfish observer program cost recovery harvest statistics.

Year	Number of		Harvest ^{a,b}	Number of Pots Pulled	Average		Deadloss ^a
	Landings	Crabs			CPUE	Weight ^a	
1999 ^c	2	16,930	106,179	541	31.0	6.3	245
2001 ^c	2	13,065	90,151	463	28.2	6.9	103

^a In pounds.

^b Deadloss included.

^c Cost recovery fishing occurred after the open access Bristol Bay red king crab fishery.

Table 2. Economic performance for the mandatory shellfish observer program cost recovery harvest.

Year	Value (dollars)			Charter Dates	Total charter days
	Harvest ^a	Exvessel	Total		
1999	105,934	\$6.32/lb.	\$669,500	10/25-11/10	17
2001	90,048	\$5.12/lb.	\$461,045	10/23-11/08	17

^a In pounds, deadloss not included.

Table 3. Observer coverage levels for the Bering Sea and Aleutian Islands crab fisheries implemented by the Crab Observer Oversight Task Force for 2001/2002.

Fishery	Preseason Registration Deadline ^a	Catcher Vessels ^b		At-sea Processors	
		Observer Coverage	Cost-Recovery Funded?	Observer Coverage	Cost-Recovery Funded?
St. Matthew blue king crab	August 24	Partial	YES	100%	NO
Pribilof red & blue king crab	August 24	Partial	YES	100%	NO
Bristol Bay red king crab	September 24	Partial	YES	100%	NO
Bering Sea Tanner crab	September 24	Partial	YES	100%	NO
Bering Sea snow crab	December 24	Partial	YES	100%	NO
St. Matthew brown king crab	21-days prior	100%	50%	100%	NO
Pribilof brown king crab	21-days prior	100%	50%	100%	NO
Hair crab	none	100%	NO	100%	NO
Triangle Tanner and grooved Tanner	none	100%	NO	100%	NO
Aleutian king crab (red or brown)	none	100%	NO	100%	NO
Cherry and scarlet king crab	none	100%	NO	100%	NO

^a When the pre-registration deadline occurs on a weekend or holiday, the deadline is extended to the next business day.

^b AFA and CDQ catcher vessels are pay-as-you-go.

Table 4. Number of observer sessions (briefings, midtrip debriefings and final debriefings) from 1991 - 2001.

Year	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Yearly Totals
1991	74	53	91	70	64	50	23	7	24	44	96	55	651
1992	102	61	40	112	8	10	13	32	25	31	64	44	542
1993	72	24	87	15	4	21	49	27	66	57	74	38	534
1994	77	18	85	25	8	14	43	47	59	32	30	20	458
1995	55	77	24	23	30	18	20	34	45	83	66	31	506
1996	48	24	77	28	35	27	42	44	41	65	76	40	547
1997	42	25	57	14	15	14	10	42	37	40	82	13	391
1998	33	18	67	20	35	22	30	37	53	72	50	2	439
1999	23	9	42	38	25	10	13	29	38	76	35	16	354
2000	24	7	26	39	15	11	13	42	42	86	21	10	336
2001	26	43	25	20	20	10	9	41	28	104	25	10	361
Monthly Totals	576	359	621	404	259	207	265	382	458	690	619	279	N/A

Table 5. Number of observer sessions for each month of calendar year 2001 and 10-year average for 1991-2000.

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Briefings	23	22	4	7	7	4	5	25	4	54	6	1	162
Midtrip Debriefings	0	1	6	3	1	1	1	10	7	6	2	0	38
Final Debriefings	3	20	15	10	12	5	3	6	17	44	17	9	161
Total	26	43	25	20	20	10	9	41	28	104	25	10	361
10-yr. Average	55.0	31.6	63.3	38.4	23.9	19.7	25.6	34.1	43.0	58.6	59.4	26.9	N/A

Table 6. Summary of observer activity in the mandatory shellfish observer program, from inception (first briefing September 20, 1988) through December 31, 2001.

Year	Vessels ^a				Observer Trips	Deployed Observers	Certified at Year's End ^b	Observer Months	Number of Sessions ^c	Active Contractors
	C/P	F/P	C/V	S/V						
1988	21	6	0	0	46	28	80	31.4	85	6
1989	22	12	0	0	124	53	98	124	250	7
1990	26	15	0	0	140	61	121	163.5	279	7
1991	33	18	0	1	282	105	114	352.2	651	6
1992	32	19	2	0	225	100	105	280.3	542	7
1993	29	21	14	11	235	80	102	216.8	534	7
1994	24	17	19	12	185	74	87	178.8	458	7
1995	21	15	50	8	211	91	95	213	506	5
1996	16	13	38	5	209	82	80	250.5	547	5
1997	15	11	30	6	157	71	78	184.4	391	5
1998	13	11	44	8	186	62	65	203.1	439	5
1999	11	11	42	8	152	48	55	148.5	354	4
2000	9	6	62	6	154	48	45	128	336	3
2001	9	5	62	4	161	59	64	150.3	361	4

^a Unique vessels requiring observer coverage: C/P = Catcher Processor, F/P = Floating Processor, C/V = Catcher-Only Vessel, and S/V = Scallop Vessel.

^b Total number of observers who possess either a shellfish observer trainee permit or a full shellfish observer certification permit on December 31st of each year.

^c Includes briefings, midtrip debriefings and final debriefings.

Table 7. Number of observer sessions per fishery for calendar year 2001.

Fishery	Number of			Totals	Percent of Total Sessions
	Briefings	Midtrips	Debriefings		
Aleutian Islands golden king crab	58	28	57	143	40
Bering Sea golden king crab	9	2	9	20	6
Bering Sea snow crab	20	1	20	41	11
Bering Sea snow crab CDQ	11	0	11	22	6
Eastern Aleutian grooved Tanner crab	1	1	1	3	<1
South Peninsula grooved Tanner crab	1	0	1	2	<1
Bering Sea grooved Tanner crab	2	1	2	5	1
Bristol Bay red king crab	33	0	33	66	18
Bristol Bay red king crab CDQ	6	1	6	13	4
Norton Sound red king crab	1	0	1	2	<1
Aleutian Islands red king crab survey	5	1	5	11	3
Statewide scallops	15	3	15	33	9
Totals	162	38	161	361	100

Table 8. Percentage of pots sampled by observers out of all pots pulled on observed vessels by fishery for calendar year 2001.

Fishery	Number of		Percent Sampled
	Pots Pulled	Pots Sampled	
Aleutian Islands golden king crab	486,031	27,654	5.7
Bering Sea golden king crab	4,513	1,356	30.0
Bering Sea snow crab	22,155	728	3.3
Bering Sea snow crab CDQ	14,320	771	5.4
Eastern Aleutian grooved Tanner crab		Confidential	
Bering Sea grooved Tanner crab		Confidential	
South Peninsula grooved Tanner crab	0	0	-
Bristol Bay red king crab	8,104	504	6.2
Bristol Bay red king crab CDQ	2,516	166	6.6
Aleutian Islands red king crab survey	699	137	19.6
Totals	538,338	31,316	5.8

Table 9. Summary of observed vessels, observer trips, percentage of total observer trips, observer-months at sea, and percentage of total observer-months at sea by fishery for the year 2001.

Fishery	Observed Vessels			Observer Trips	Percent of Total		Percent of Total		Percent Coverage		Vessel Participation
	C/P	F/P ^c	C/V		Observer Months	Obs. Mo.	C/P & F/P	C/V			
Aleutian Islands golden king crab	1	0	20	57	35.4	69	46	100	100	21	
Bering Sea golden king crab	0	0	6	9	5.6	10.2	6.8	-	100	6	
Bering Sea snow crab	7	4	7	20	12.4	22.7	15	100	3.5	207	
Bering Sea snow crab CDQ	0	0	11	11	6.8	9.6	6.4	-	100	11	
Eastern Aleutian grooved Tanner	0	0	1	1	0.6	0.9	0.6	-	100	1	
South Peninsula grooved Tanner	0	0	1	1	0.6	0	0	-	100	1	
Bering Sea grooved Tanner	0	0	1	2	1.2	1.6	1.1	-	100	1	
Bristol Bay red king crab	6	3	23 ^b	33	20.5	12.6	8.4	100	10	232	
Bristol Bay red king crab CDQ	0	0	6	6	3.7	2.7	1.8	-	60	10	
Norton Sound red king crab	0	1	0	1	0.6	1.6	1.1	100	0	31	
Aleutian Islands red king survey	1	0	3	5	3.1	5.3	3.4	100	100	4	
Statewide scallops	4	0	0	15	9.3	14.1	9.4	100	-	4	
Totals	13 ^d	5	62 ^d	161	100	150.3	100	N/A	N/A	N/A	

^a C/Vs required to carry onboard shellfish observers.

^b Includes three AFA vessels.

^c May include vessels that also operated as a C/P during the same fishery.

^d Vessels are unique.

Table 10. Summary of evidence collected by shellfish observers, 1991 - 2001.

Fishery	Year	Observer Trips	Trips with Evidence	Percent of Observed Trips ^a	Percent of Year's Evidence ^b
St. Matthew / Pribilof red and blue king crab	1991	11	0	0	0
	1992	15	1	6.7	2.4
	1993	11	1	9.1	5.6
	1994	11	1	9.1	6.7
	1995	7	1	14.3	4.3
	1996	7	4	57.1	19
	1997	4	0	0	0
	1998	6	1	16.7	2.5
	1999			No Fishery	
	2000			No Fishery	
2001			No Fishery		
Dutch Harbor area golden king crab	1991	4	1	25	2.4
	1992	6	1	16.7	2.4
	1993	0	0	0	0
	1994	2	1	50	6.7
	1995	19	0	0	0
Adak area red and golden king crab	1991	21	3	14.3	7.1
	1992	20	5	25	11.9
	1993	12	1	8.3	5.6
	1994	11	2	18.2	13.3
	1995	29	5	17.2	21.7
1996 golden king crab fishery only	1996	46	3	6.5	14.3
Aleutian Islands golden king crab ^c	1996	34		5.9	28.6
	1997	53	13	24.5	54.2
	1998	35	11	31.4	26.8
	1999	37	1	2.7	10
	2000	60	4	6.7	57.1
	2001	57	3	5.3	60
	1991	39	8	20.5	19
	1992	24	8	33.3	19
	1993	25	3	12	16.7
	1994			No Fishery	

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Fishery	Year	Observer Trips	Trips with Evidence	Percent of Observed Trips ^a	Percent of Year's Evidence ^b
Bristol Bay red king crab	1995			No Fishery	
	1996	7	0	0	0
	1997	15	3	20	12.5
	1998	22	3	13.6	7.3
	1999	11	3	27.3	30
	2000	26	1	3.8	14.3
	2001	33	2	6.1	40
	Bering Sea snow crab	1991	149	18	12.1
1992		106	19	17.9	45.2
1993		63	8	12.7	44.4
1994		55	8	14.5	53.3
1995		50	14	28	60.9
1996		49	3	6.1	14.3
1997		40	4	10	16.7
1998		35	11	31.4	26.8
1999		27	5	18.5	50
2000		15	0	0	0
2001		20	0	0	0
Bering Sea Tanner crab	1991	53	12	22.6	28.6
	1992	43	8	18.6	19
	1993	23	5	21.7	27.8
	1994	10	2	20	13.3
	1995	12	2	16.7	8.7
	1996	3	0	0	0
	1997			No Fishery	
	1998			No Fishery	
	1999			No Fishery	
	2000			No Fishery	
2001			No Fishery		

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Fishery	Year	Observer Trips	Trips with Evidence	Percent of Observed Trips ^a	Percent of Year's Evidence ^b
Bering Sea hair crab	1992	3	0	0	0
	1993	14	0	0	0
	1994	12	0	0	0
	1995	22	0	0	0
	1996	21	3	14.3	14.3
	1997	16	4	25	16.7
	1998	12	2	16.7	4.9
	1999	8	0	0	0
	2000	3	0	0	0
	2001			No Fishery	
Grooved Tanner crab All areas ^u	1994	17	1	5.9	6.7
	1995	52	1	1.9	4.3
	1996	21	2	9.5	9.5
	1997	0	0	0	0
	1998	0	0	0	0
	1999	0	0	0	0
	2000	3	0	0	0
	2001	4	0	0	0
Miscellaneous Fisheries ^c	1992	8	0	0	0
	1993	15	0	0	0
	1994	0	0	0	0
	1995	5	0	0	0
	1996	2	0	0	0
	1997	5	0	0	0
	1998	0	0	0	0
	1999	0	0	0	0
	2000	1	0	0	0
	2001	15	0	0	0
Community Development Quota fisheries ^t	1998	35	13	37.1	37.1
	1999	42	1	2.4	10
	2000	23	2	8.6	1.5
	2001	17	0	0	0

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Fishery	Year	Observer Trips	Trips with Evidence	Percent of Observed Trips ^a	Percent of Year's Evidence ^b
Statewide scallops	2001	15	0	0	0
Summary	1991	277	42	15.2	N/A
	1992	225	42	18.7	
	1993	163	18	11	
	1994	118	15	12.7	
	1995	196	23	11.7	
	1996	190	21	11	
	1997	133	24	18	
	1998	145	41	28.3	
	1999	125	10	8	
	2000	131	7	5.3	
	2001	146	5	3.4	

^a Percentage of trips in which evidence was collected.

^b Percentage of total evidence collected, by fishery, for the fishing year (January 1 through December 31).

^c In 1996 the Adak and Dutch Harbor king crab Registration Areas were consolidated into the Aleutian Islands Area 'O' king crab Registration Area and opened on September 1st, the traditional opening time of the former Dutch Harbor area.

^d Grooved Tanner crab areas include the following: Bering Sea, Western Aleutian, Eastern Aleutian, Kodiak, Alaska Peninsula, and Southeastern Alaska.

^e Miscellaneous fisheries for all years can include: Bering Sea golden king crab, Bering Sea and Eastern or Western Aleutian octopus, surf clam, snail, St. Lawrence blue king crab, Norton Sound red king crab, Eastern Aleutian triangle Tanner crab, Western Aleutian Tanner crab, Western Aleutian hair crab, Southeast miscellaneous (urchins, shrimp, etc.), and Bering Sea snow crab CDQ experimental.

^f CDQ fisheries include Bering Sea snow crab, St. Matthew blue king crab, Pribilof red and blue king crab, and Bristol Bay red king crab

Table 11. Yearly summary by region of observed scallop vessels, number of observer trips, and observer-months at sea for Alaska weathervane scallop fisheries, 1993-2001.

	Yakutat ^a			Prince Willian Sound			Cook Inlet			Westward ^c		
	Vessel	Trips	Months	Vessel	Trips	Months	Vessel	Trips	Months	Vessel	Trips	Months
1993	8	8	3.4	7	7	2.1	0	0	0	30	57	30.7
1994	15	15	6.3	0	0	0	4	4	0.4	29	50	36.8
1995	8	9	7.8	2	2	0.9	0	0	0	2	4	4.3
1996	6	6	5.4	0	0	0	0	0	0	8	12	11.3
1997	4	4	5.6	1	1	0.4	0	0	0	12	19	15.2
1998	8	10	7.4	2	2	0.7	0	0	0	21	29	18.2
1999	3	4	5.9	2	2	0.4	0	0	0	14	21	14.4
2000	3	8	6.5	3	3	1.3	0	0	0	12	15	9.9
2001	2	4	4.1	1	1	0.9	0	0	0	7	10	9.1
Total	14 ^b	68	52.4	11 ^b	18	6.7	4 ^b	4	0.4	15 ^b	217	149.9

^a Includes District 16.

^b Vessels are unique.

^c Includes Kodiak and Bering Sea areas.

Table 12. Statewide scallop observer activity, 1993-2001.

	1993	1994	1995	1996	1997	1998	1999	2000	2001
Observed vessels	10	11	8	5	6	8	8	7	4
Observed trips	72	67	15	18	24	41	27	26	15
Observed months	36.2	43.3	13.0	16.7	21.2	26.3	20.7	17.7	14.1

Table 13. Scallop observer activity by area for the calendar year 2001.

Area	Vessel(s)	Trip(s)	% Trips	Months	% Months
Yakutat	2	4	27	4.1	29.1
Prince William Sound	1	1	07	0.9	6.4
Kodiak	4	6	40	5.7	40.4
Bering Sea	3	4	27	3.4	24.1

Table 14. Crab observer training and participation since 1988.

Year	Number of		History of Year Class as of 12/31/01			Certified at year's end	Percent Turnover
			Classes	Trainees	Certified		
	Inactivity ^a	Other ^b					
1988	3	81	0	72	9	80	1
1989	1	42	1	37	4	98	20
1990	3	26	0	24	2	121	2
1991	4	60	1	56	3	109	40
1992	2	38	1	37	0	105	29
1993	2	19	0	18	1	80	35
1994	1	16	0	15	1	67	30
1995	3	53	7	43	3	78	35
1996	3	35	5	30	0	74	35
1997	2	29	3	25	1	70	32
1998	2	22	4	18	0	56	39
1999	1	10	1	9	0	45	32
2000	2	14	9	5	0	39	33
2001	3	24	24	0	0	56	11
Totals	32	469	56	389	24	N/A	N/A

Table 15. Scallop observer training and participation since 1991.

Year	Number of		History of Year Class as of 12/31/01			Certified at year's end	Percent Turnover
	Classes	Trainees	Certified	Decertified			
				Inactivity ^a	Other ^b		
1991	0	5	0	4	1	5 ^c	0
1992	0	0	0	0	0	5	0
1993	3	19	0	18	1	22 ^c	8
1994	4	17	0	13	3	20 ^c	49
1995	0	0	0	0	0	17	15
1996	2	10	0	10	0	6	78
1997	2	10	0	10	0	8	50
1998	1	9	0	9	0	9	47
1999	1	8	0	8	0	10	41
2000	1	5	3	2	0	6	60
2001	1	4	4	0	0	8	20
Totals	15	87	8	74	5	N/A	N/A

^a Decertified due to 12-month shellfish observer employment inactivity or trainee permit expiration after 180 days.

^b Decertified for non-compliance with shellfish observer program standards.

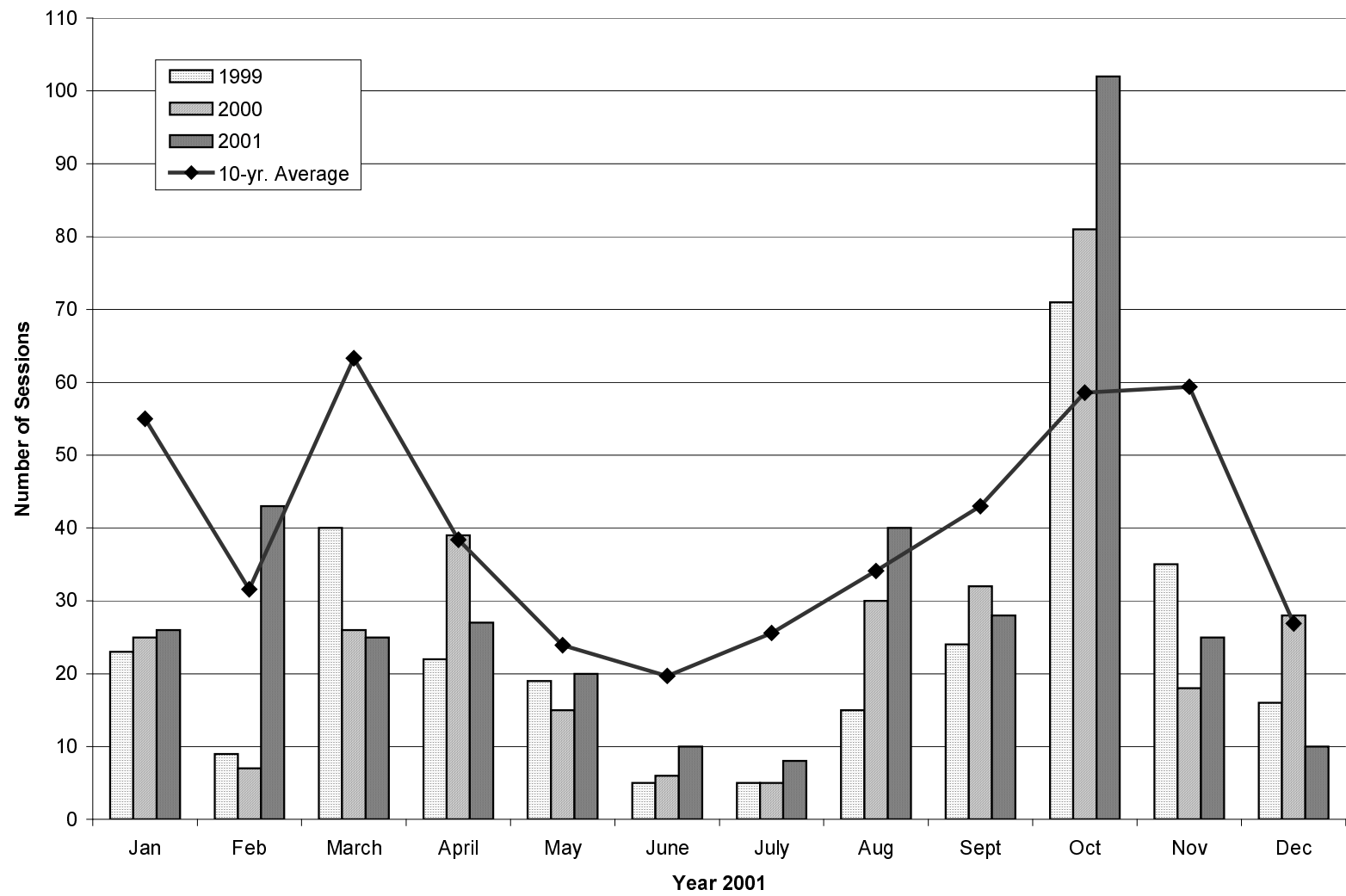


Figure 1. Comparison of total number of observer sessions (briefings, midtrips and debriefings) for the years 1999, 2000, 2001 and the 10-year average for 1991-2000.

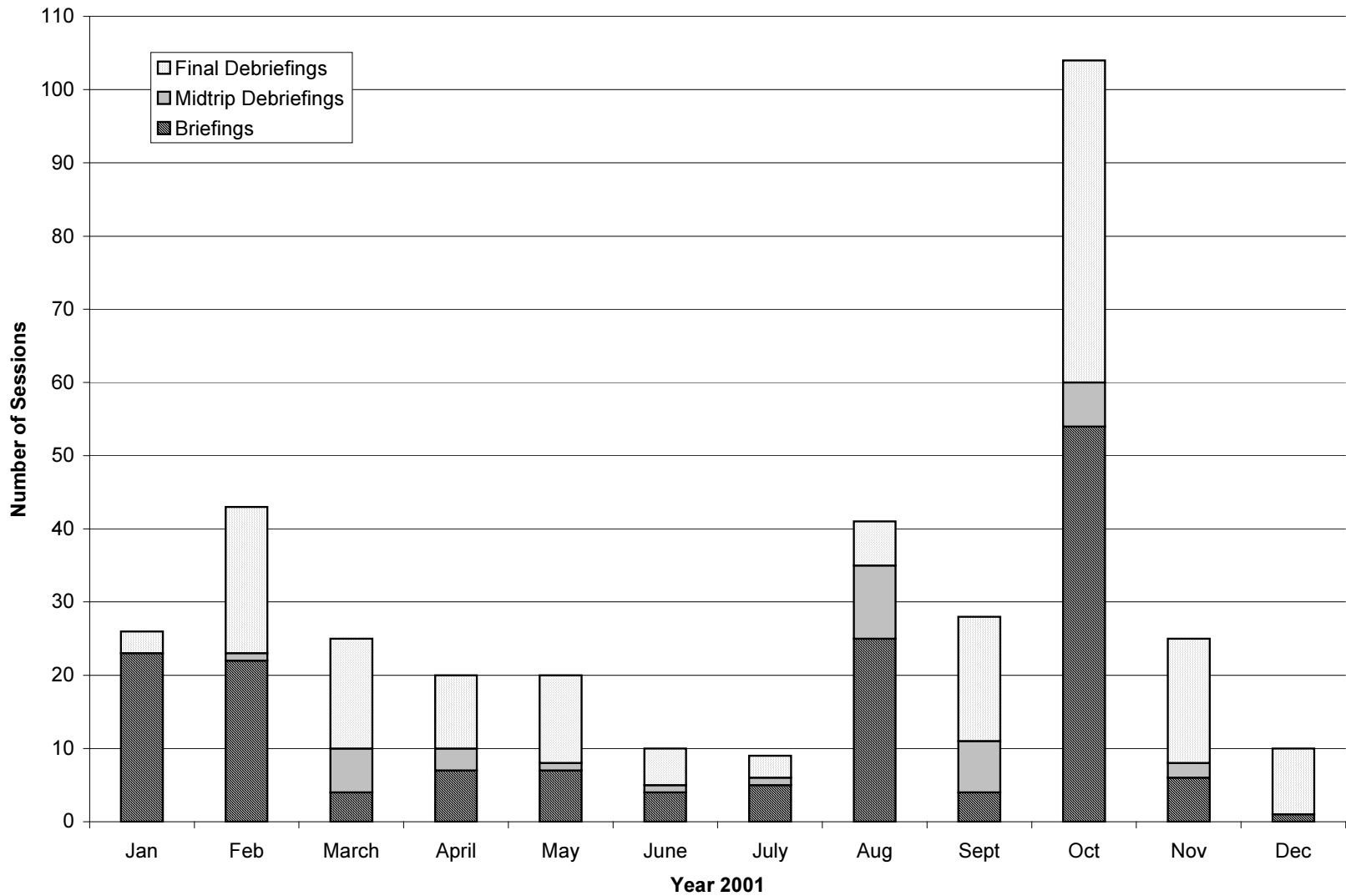


Figure 2. Total number of observer sessions (briefings, midtrip debriefings and final debriefings) for 2001.

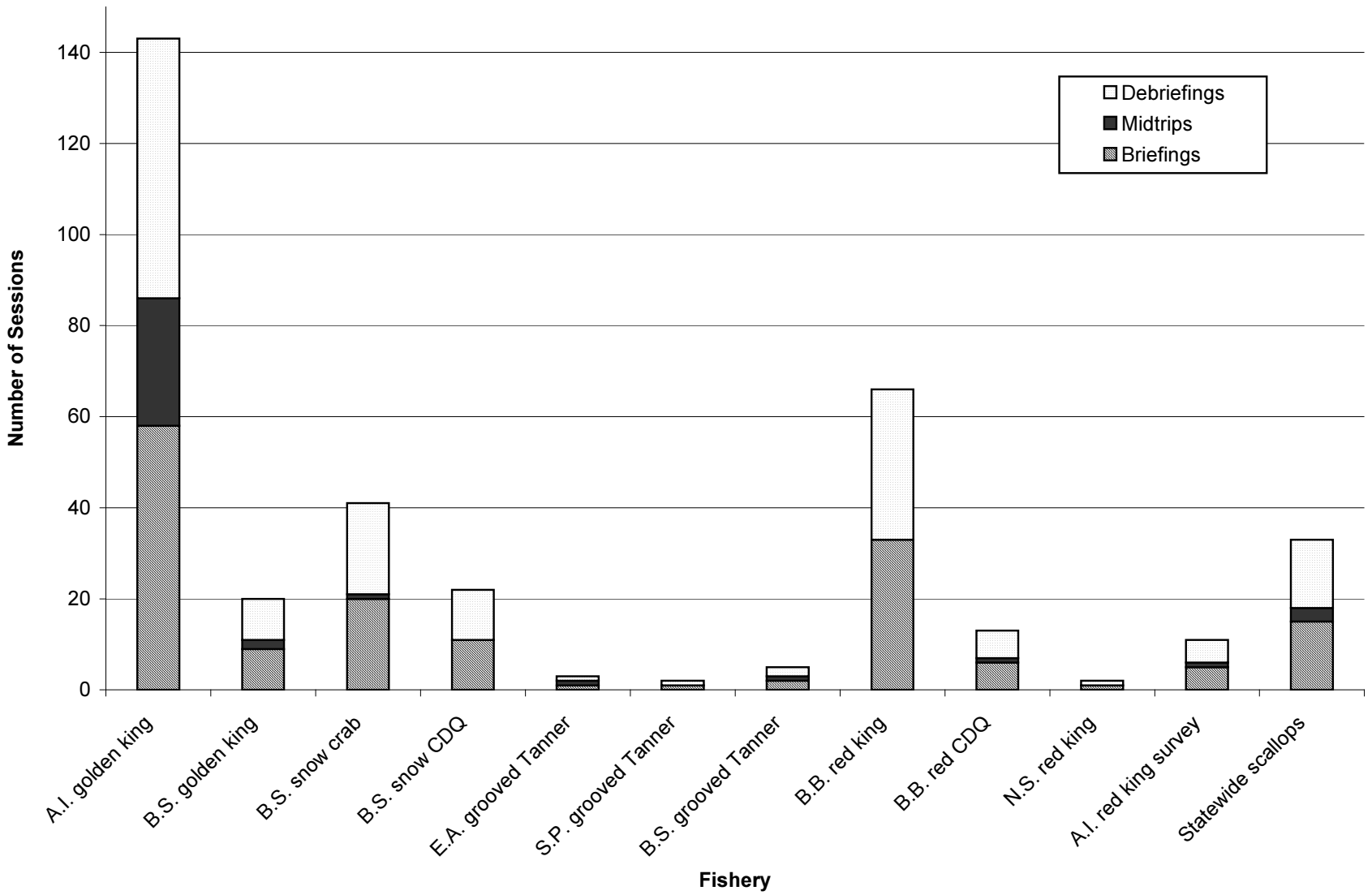


Figure 3. Number of observer sessions (briefings, midtrip debriefings and final debriefings) per fishery for the year 2001.

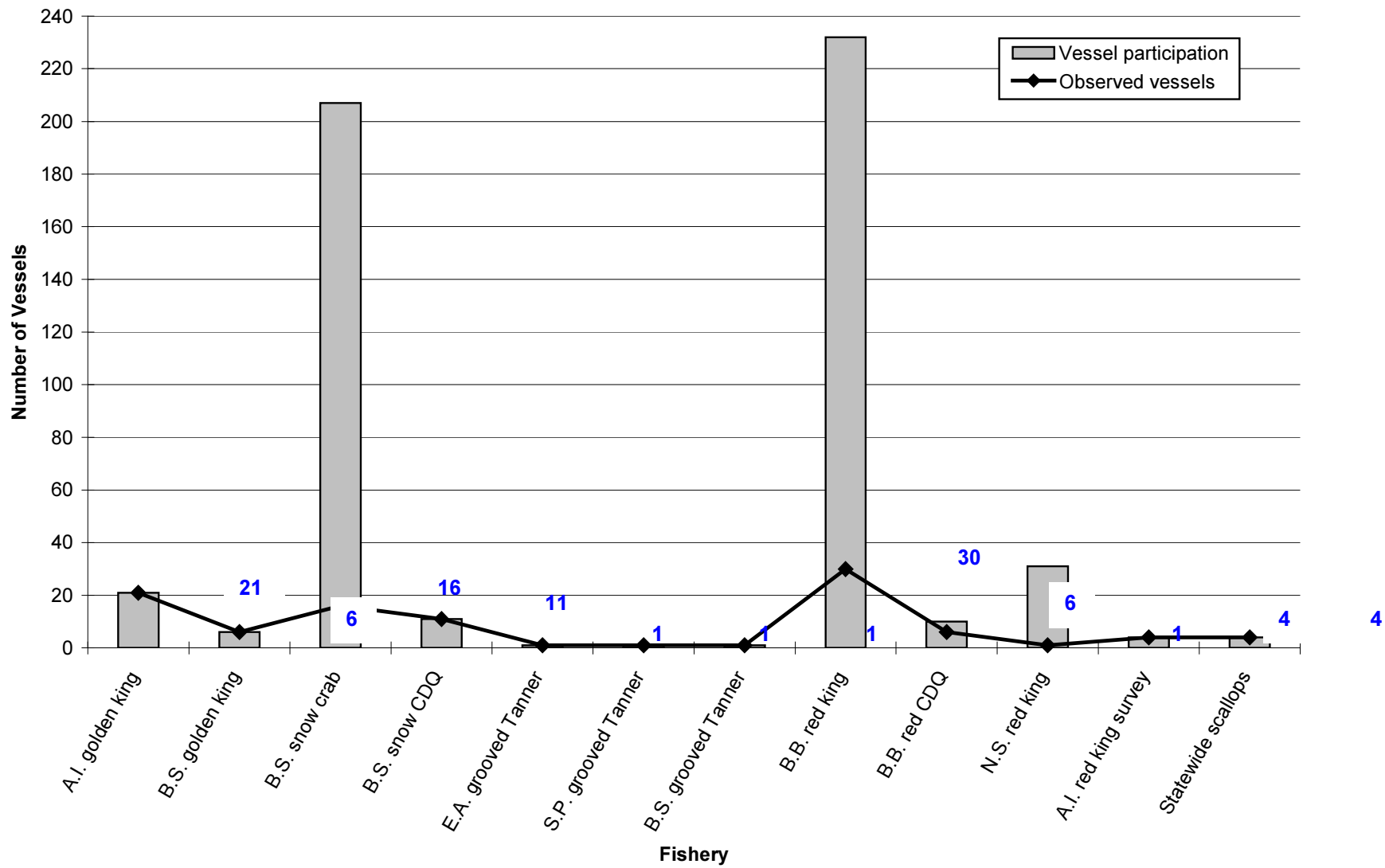


Figure 4. Level of observer coverage per fishery in calendar year 2001.

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