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Table 1. Observer coverage levels in the Bering Sea and Aleutian Islands crab fisheries.

		Catcher vesse	els (C/V)	Catcher pro	ocessors (C/P)
	Preseason		Observer		
	registration	Observer	costs	Observer	Observer
Fishery	deadline ^a	coverage	funded b	coverage	costs funded
Saint Matthew Island Section blue king crab (SMB)	none	100%	no	100%	no
Saint Matthew Island Section golden king crab	none	100%	no	100%	no
Pribilof District red & blue king crab (PIK)	none	100%	no	100%	no
Pribilof District golden king crab	none	100%	no	100%	no
Bristol Bay red king crab (BBR)	Sep-24	20% ^c	yes	100%	$20\%^{d}$
Eastern Bering Sea Tanner crab (EBT)	Sep-24	30–100% ^c	yes	100%	30% ^d
Western Bering Sea Tanner crab (WBT)	Sep-24	30–100% ^c	yes	100%	30% ^d
Bering Sea snow crab (BSS)	Sep-24	30% ^c	yes	100%	30% ^d
Bering Sea hair crab	none	100%	no	100%	no
Area J grooved and triangle Tanner crab	none	100%	no	100%	no
Eastern Aleutian Islands golden king crab (EAG)	none	50% ^e	yes	100%	no
Western Aleutian Islands golden king crab (WAG)	none	50% ^e	yes	100%	no
Aleutian Islands red king crab between 171° W long and 179° W long	none	100%	no	100%	no
Western Aleutian Islands red king crab west of 179° W long (WAI)	none	100%	no	100%	no

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

^b C/V observer coverage is funded with test-fishery revenues and federal crab rationalization funds.

^c For Bristol Bay red king, Eastern and Western Bering Sea Tanner, and Bering Sea snow crab, C/V observer coverage is the percentage of randomly selected C/Vs preseason registered for each fishery where C/V observer deployment costs are paid with Bristol Bay red king crab test-fishery revenues and federal crab rationalization funds.

^d For C/Ps fishing Bristol Bay red king, Eastern and Western Bering Sea Tanner, and Bering Sea snow crab, a percentage of the C/P observer coverage is refunded through ADF&G contracts and paid with Bristol Bay red king crab test-fishery revenues.

^e For Aleutian Islands golden king crab, coverage is set at a percentage of the harvest on each C/V during each of three trimesters where C/V observer deployment costs are paid with Aleutian Islands golden king crab test-fishery revenues.

Bering Sea test-fishery budget allocation	
Test-fishery account balance carried forward from FY16 into FY17	\$ 917,975
Test-fishery revenue	\$ 416,700
Sum of carry forward and revenue	\$ 1,334,675
Test-fishery expenditures	\$ 392,695
Test-fishery account funds to be carried forward from FY17 for start up funds in FY18	\$ 941,980

		BBI	R			BS	S			EBT and	WBT					
Fiscal Year	# C/Vs preseason registered ^a	registered C/V effort		% C/Vs observed	# C/Vs preseason registered ^a	registered C/V effort		% C/Vs observed	# C/Vs preseason registered ^a	registered C/V effort	# C/Vs observed	% C/Vs observed				
FY06 projected	129		26	20	129	NP	39	30	NP	NP	NP	NP				
FY06 actual	84	85	20	24	106	77	27	35	101	70	^b 14	20				
FY07 projected	100	NP	20	20	100	NP	30	30	NP	NP	7	30				
FY07 actual	84	78	18	23	76	63	24	38	76	64	° 20	31				
FY08 projected	85	NP	17	20	80	NP	24	30	NP	NP	14	30 - 100				
FY08 actual	82	71	19	27	88	76	26	34	63	57	^d 26	46				
	BBR BSS					_	EBT	Г ^е		WBT ^e						
Fiscal Year	# C/Vs preseason registered ^a	registered C/V effort		% C/Vs observed	# C/Vs preseason registered ^a	registered C/V effort		% C/Vs observed	# C/Vs preseason registered ^a	registered C/V effort	# C/Vs observed	% C/Vs observed	# C/Vs preseason registered ^a	registered C/V effort	# C/Vs observed	% C/Vs observed
FY09 projected	75	NP	15	20	80	NP	24	30	NP	NP	10	30 - 100	NP	NP	10	30 - 100
FY09 actual	86	75	19	25	85	73	25 1	34	75	10	8 1	f 80	73	7	5 f	71
FY10 projected	75	NP	15	20	75	NP	22	30	NP	NP	10	30 - 100	NP	NP	7	30 - 100
FY10 actual	86	68	19	28	94	67	22	32	82	10	10	100	FC	FC	FC	FC
FY11 projected	86	NP	18	20	94	NP	28	30	NP	NP	10	30 - 100	NP	NP	NP	NP
FY11 actual	81	63	14	22	84	66	23	35	FC	FC	FC	FC	FC	FC	FC	FC
FY12 projected	86	70	16	19-21	94	70	26	28-38	NP	NP	NP	NP	NP	NP	NP	NP
FY12 actual	81	62	15	24	84	72	24 ^g	33	FC	FC	FC	FC	FC	FC	FC	FC
FY13 projected	81	62	13	16-20	84	70	21	25-30	NP	NP	NP	NP	NP	NP	NP	NP
FY13 actual	82		16	ⁿ 25	83	70	24 ^g	34	FC		FC	FC	FC		FC	FC
FY14 projected	82	62	13	16-20	83	70	21	25-30	NP	NP	NP	NP	NP	NP	NP	NP
FY14 actual	82	64	16	25	82	67	19	28 ^{f,i}	71	16	4	25 ^{f,i}	76	16	4	25 ^{f,i}
FY15 projected	82	65	13	16-20	82	70	21	25-30	75	16	5	31	75	16	5	31
FY15 actual	76	61	11	18	78	68	22	32 ^{f,i}	66	36	13	36 ^{f,i}	67	26	8	31 ^{f,i}
FY16 projected	76	65	13	16-20	78	70	22	25-30	66	36	12	33	67	26	8	31
FY16 actual	82	65	12	18	81	68	22	32 ^{f,i}	78	47	17	36 ^{f,i}	76	36	16	44 ^{f,i}
FY17 projected	82	65	13	16-20	81	68	21	25-30	78	47	14	30	76	36	11	31
FY17 actual	77	66	16	24	78	64	22	34 ^f	72	FC	FC	FC	71	FC	FC	FC ^f
FY18 projected	77	66	13	20	78	64	20	30	72	FC	FC	FC	71	36	11	30
FY18 actual																

Table 3. Comparison of projected and actual C/V effort and observer coverage for Bering Sea crab fisheries.

Note: BBR = Bristol Bay red king crab, BSS = Bering Sea snow crab, EBT = Eastern Bering Sea Tanner crab, WBT = Western Bering Sea Tanner crab, C/V = Catcher vessel, NP = No projection, and FC = Fishery closed

^a Selection of C/Vs for observer coverage is based on the number of C/Vs preseason registered with intent to fish. The deadline for preseason registration is September 24. Vessels are allowed to late-register if certain criteria are met.

^b One-hundred-one C/Vs preseason registered with intent to fish, 70 C/Vs registered to harvest Tanner crab and 14 of the 41 C/Vs that delivered Tanner crab, whether targeted or bycatch, carried observers.

^c Seventy-six C/Vs preseason registered with intent to fish, 64 C/Vs registered to harvest Tanner crab and 20 of the 55 C/Vs that delivered Tanner crab, whether targeted or bycatch, carried observers.

^d Sixty-three C/Vs preseason registered with intent to fish, 57 C/Vs registered to harvest Tanner crab and 26 of the 41 C/Vs that delivered Tanner crab, whether targeted or bycatch, carried observers.

^e Beginning October 15, 2008 vessels may no longer be registered to harvest Bering Sea Tanner crab and Bering Sea snow crab at the same time aside from a 5% incidental take allowance.

^fSome C/Vs were allowed to carry an observer for only a portion of their snow or Tanner crab harvest dependent on vessel fishing plans and observer availability; the % CVs observed may not match the % harvest observed.

^g Many of the observed C/Vs carried an observer for only a portion of their snow crab harvest due to Bering Sea ice conditions and program budgetary constraints allowing for only a set number of observer deployment days. Vessels not selected originally were required to carry observers when the selection list was exhausted and to assure that observers were collecting data at all times during the fishery.

ⁱ Due to opening of EBT and WBT and limited availability of observers, observers were distributed between BSS, WBT and EBT to best meet observer coverage goals.

		Obs	server depl	oym						Program s	upp	ort costs				Total
					EBT		BR, BSS,									
					and	E	BT, and	S	upplies							
	BBR		BSS		WBT		WBT		and					Office		
Fiscal Year	C/V		C/V		C/V		C/P	eq	uipment	Admin	(Cost-rec	р	ersonnel	Tota	al expenses
FY06 projected	\$ 164,920) \$	295,720	\$	-			\$	3,500	\$ 19,600	\$	68,000	\$	284,163	\$	835,903
FY06 actual	\$ 119,045	\$	95,748	\$	6,266			\$	322	\$ 517	\$	72,330	\$	256,000	\$	550,228
FY07 projected	\$ 119,900) \$	176,500	\$	-			\$	600	\$ 10,100	\$	167,069	\$	286,000	\$	760,169
FY07 actual	\$	- \$	155,710	\$	23,894			\$	9,273	\$ -	\$	6,961	\$	111,045	\$	281,515
FY08 projected	\$ 107,806	5\$	167,864	\$	-			\$	4,900	\$ 8,600	\$	141,000	\$	284,300	\$	714,470
FY08 actual	\$ 116,589	\$	155,710	\$	-			\$	9,273	\$ 11,860	\$	6,961	\$	111,045	\$	411,439
FY09 projected	\$ 105,760) \$	191,260	\$	-			\$	5,000	\$ 7,782	\$	-	\$	270,846	\$	580,648
FY09 actual	\$	- \$	61,468	\$	-			\$	-	\$ -	\$	-	\$	1,251	\$	62,718
FY10 projected	\$ 118,354	- \$	137,096	\$	-			\$	5,500	\$ 17,200	\$	9,000	\$	168,440	\$	455,590
FY10 actual	\$ 93,805	\$	68,398	\$	-			\$	5,136	\$ 8,286	\$	5,812	\$	42,314	\$	223,751
FY11 projected	\$ 93,950) \$	126,025	\$	-			\$	600	\$ 8,300	\$	5,000	\$	274,100	\$	507,975
FY11 actual	\$	- \$	-	\$	-			\$	2,612	\$ 4,070	\$	-	\$	268,678	\$	275,360
FY12 projected	\$ 71,290) \$	93,507	\$	-			\$	-	\$ -	\$	6,000	\$	477,699	\$	648,496
FY12 actual	\$ 47,916	5 \$	80,984	\$	-			\$	-	\$ 4,891	\$	6,000	\$	459,179	\$	598,970
FY13 projected	\$ 50,560) \$	99,720	\$	-			\$	2,000	\$ 2,400	\$	4,000	\$	573,435	\$	732,115
FY13 actual	\$ 35,212	\$	113,189	\$	-			\$	6,399	\$ 347	\$	4,250	\$	522,704	\$	682,099
FY14 projected	\$ 49,760) \$	124,640	\$	-	\$	39,000	\$	1,500	\$ -	\$	8,135	\$	422,964	\$	645,999
FY14 actual	\$ 53,151	\$	75,717	\$	18,992	\$	20,800	\$	1,432	\$ 7,895	\$	10,005	\$	348,274	\$	536,266
FY15 projected	\$ 61,270) \$	113,130	\$	-	\$	30,400	\$	1,900	\$ 200	\$	13,335	\$	466,391	\$	686,626
FY15 actual	\$ 38,407	\$	129,671	\$	-	\$	22,400	\$	2,695	\$ 1,772	\$	2,346	\$	375,716	\$	573,007
FY16 projected	\$ 49,100) \$	163,600	\$	-	\$	28,800	\$	3,000	\$ 2,510	\$	2,300	\$	376,405	\$	625,715
FY16 actual	\$ 37,571	\$	97,953	\$	-	\$	21,056	\$	21,620	\$ 4,337	\$	8,791	\$	189,315	\$	380,643
FY17 projected	\$ 67,380		114,530	\$	-	\$	26,598	\$	4,500	\$ 4,010	\$	3,500	\$	276,728	\$	497,246
FY17 actual	\$ 47,916		80,984	\$	-	\$	30,008	\$	923	\$ 914	\$	4,990	\$	280,886	\$	446,621
FY18 projected	\$ 67,380) \$	114,530	\$	-	\$	26,598	\$	4,500	\$ 4,010	\$	3,500	\$	276,728	\$	497,246
FY18 actual																

Table 4. Comparison of projected and actual observer deployment and program support costs funded with Bristol Bay test-fishery revenues. This table does not reflect observer program costs paid with crab rationalization federal fee reimbursements.

Table 5. The 2016/2017 Bristol Bay red king crab fishery C/V observer deployment costs paid with test-fishery revenues, and average observer deployment lengths since 2005/2006.

	S	ource of C	ost			
	ADF&G	-	SC	OA contract	T	otals
Number of deployments		-		8		
Observer deployment days			124		Total deployments	
		-			Total deployment days	12
Cost of observers ^a		_	\$	42,284		
Expenses per source between Anchorage and Dutch Harbor for					Total observer personnel <u>\$ 42,284</u>	-
transportation, and room and board ^a	\$-	_	\$	-		
					Total non-remote <u>\$</u> -	_
Expenses per source between Dutch Harbor and remote ports for	¢		¢	5 622		
transportation, and room and board	ф -	-	\$	5,632	Total remote \$ 5,632	
					Total costs	⁻ ь \$ 47,916
	Average	C/V observ	ver de	eployment ler	ngths since 2005/2006	ψ 17,910
		Fishery		Average	<u> </u>	
		length		deployment	Deployment duration range	
	Season	(days)	l	ength (days) ^c	(days) ^d	
	2005/06	93		26	9 - 89	
	2006/07	93		23	11 - 42	
	2007/08	93		28	9 - 68	
	2008/09	93		34	4 - 61	
	2009/10	93		26	6 - 53	
	2010/11	93		31	12 - 53	
	2011/12	93		17	5 - 29	
	2012/13	93		14	8 - 26	
	2013/14	93		22	11 - 31	
	2014/15	93		20	4 - 38	
	2015/16	93		16	7 - 27	
	2016/17	93		16	5 - 36	

Note: BBR = Bristol Bay red king crab, C/V = Catcher vessel

^aADF&G staff lodge in state housing when available. Costs for contract observer transportation and room and board, except travel to remote ports, are included in the contract cost of \$341/day.

^bA total of \$95,832 was spent on BBR C/V deployments; \$47,916 from test-fishery revenues and \$47,916 from crab rationalization federal fee reimbursements.

^cObservers frequently deploy more than once during a fishery.

^d Range includes the single shortest observer deployment to the single longest deployment.

Table 6. The 2016/2017 Bering Sea snow crab fishery C/V observer deployment costs paid with test-fishery revenues, and average observer deployment lengths since 2005/2006.

	Se	ource of Cos	t		
=	ADF&G		SOA contract	Totals	
Number of deployments	1		8	Tatal dan lauranta	(
Observer deployment days	9		233	Total deployments	9
				Total deployment days	242
Cost of observers ^a <u></u> \$	5 1,033	· <u> </u>	\$ 79,453	T-t-1	
Expenses per source between Anchorage and Dutch Harbor for				Total observer personnel ^f <u>\$ 80,486</u>	
transportation, and room and board a	- 6		\$ -		
xpenses per source between Dutch Harbor and remote ports for				Total non-remote \$ -	
transportation, and room and board \$	- 5	:	\$ 498		
		· –	·	Total remote <u>\$ 498</u>	
	Average	C/V observ	er deployment lei	Total costs b <u>\$</u> ngths since $2005/2006$	80,984
-		Fishery length	Average deployment	Deployment duration range	
	Season	(days)	length (days) °	(days) ^d	
_	2005/06	229	39	12 - 64	
	2006/07	229	59	8 - 73	
	2007/08	229	29	4 - 87	
	2008/09	229	43	3 - 81	
	2009/10	229	35	13 - 78	
	2010/11	229	41	11 - 97	
	2011/12	244 ^e	43	3 - 120	

229

229

229

229

229

48

36

33

30

29

11 - 95

8 - 79

4 - 78

12 - 93

8-58

Note: BSS = Bering Sea snow crab, C/V = Catcher vessel

^aADF&G staff lodge in state housing when available. Costs for contract observer transportation and room and board, except travel to remote ports, are included in the contract cost of \$341/day.

2012/13

2013/14

2014/15

2015/16

2016/17

^bA total of \$242,952 was spent on BSS C/V deployments; \$80,984 from test-fishery revenues, \$161,968 from crab rationalization federal fee reimbursements.

^cObservers frequently deploy more than once during a fishery.

^dRange includes the single shortest observer deployment to the single longest deployment.

^eThe 2011/12 season was extended to June 15 due to persistent ice on the grounds through May.

Table 7. The 2016/2017 Eastern Bering Sea Tanner crab fishery C/V observer deployment costs paid with test-fishery revenues, and average observer deployment lengths since 2005/2006.

	Sc	ource of Cos	st			
-	ADF&G	. –	SOA contract		Totals	
Number of deployments	0		0			
	0		0	Total deploy	ments	(
Observer deployment days	0	· –	0	Total deployment	nt days	
Cost of observers ^a	\$ -		\$ -	Total deployment	n duys	
		_		Total observer personnel \$	_	
Expenses per source between Anchorage and Dutch Harbor for			*			
transportation, and room and board ^a	<u>\$</u> -	· –	\$ -	T-1-1		
Expenses per source between Dutch Harbor and remote ports for				Total non-remote \$		
transportation, and room and board	\$ -		\$ -			
		_		Total remote \$	<u> </u>	
					costs ^b \$	
_	Average (ngths since 2005/2006		
		Fishery	Average	Deployment duration range		
	C	length	deployment	(days) ^d		
-	Season	(days) 168	length (days) °	(days) 11 - 37		
	2005/06 2006/07	168	39 59	11 - 37 1 - 35		
	2008/07	168	20	3 - 51		
	2008/09	168	20	13 - 40		
	2008/09	168	14	9 - 25		
	2009/10	108	14) - <i>23</i>		
	2010/11	FC	NA	NΔ		
	2010/11	FC FC	NA NA	NA NA		
	2011/12	FC	NA	NA		
	2011/12 2012/13	FC FC	NA NA	NA NA		
	2011/12	FC	NA	NA		

FC

NA

NA

Note: EBT = Eastern Bering Sea Tanner crab, C/V = Catcher vessel, FC = Fishery closed, NA = Not applicable

^aADF&G staff lodge in state housing when available. Costs for contract observer transportation and room and board, except travel to remote ports, are included in the contract cost of \$341/day.

2016/17

^b A total of \$0 was spent on EBT C/V deployments; \$0 from test-fishery revenues, \$0 from crab rationalization federal fee reimbursements.

^c Observers frequently deploy more than once during a fishery.

^d Range includes the single shortest observer deployment to the single longest deployment.

Table 8. The 2016/2017 Western Bering Sea Tanner crab fishery C/V observer deployment costs paid with test-fishery revenues, and average observer deployment lengths since 2005/2006.

	S	ource of Cost		
	ADF&G	SOA contract	Tot	tals
Number of deployments	0	0		_
	0	0	Total deployments	0
Observer deployment days	0	0	T-6-1 d1	0
Cost of observers ^a	¢	¢	Total deployment days	0
	φ -	р -	Total observer personnel \$	
Expenses per source between Anchorage and Dutch Harbor for				
transportation, and room and board ^a	\$ -	\$ -		
· · · · · · · · · · · · · · · · · · ·			Total non-remote \$	
Expenses per source between Dutch Harbor and remote ports for				
transportation, and room and board	\$-	\$ -		
			Total remote <u>\$</u> -	
			Total costs ^b	<u> </u>

				Total costs ⁶ <u>\$</u>
 Average	e C/V observe	er deployment len	gths since 2005/2006	
	Fishery	Average		
	length	deployment	Deployment duration range	
 Season	(days)	length (days) °	(days) ^d	
 2005/06	168	39	11 - 37	
2006/07	168	59	1 - 35	
2007/08	168	20	3 - 51	
2008/09	168	13	7 - 22	
2009/10	FC	NA	NA	
2010/11	FC	NA	NA	
2011/12	FC	NA	NA	
2012/13	FC	NA	NA	
2013/14	168	21	12 - 37	
2014/15	168	30	12 - 76	
2015/16	168	25	10 - 76	
2016/17	FC	NA	NA	

Note: WBT = Western Bering Sea Tanner crab, C/V = Catcher vessel, FC = Fishery closed, NA = Not applicable

^aADF&G staff lodge in state housing when available. Costs for contract observer transportation and room and board, except travel to remote ports, are included in the contract cost of \$341/day.

^b A total of \$0 was spent on WBT C/V deployments; \$0 from test-fishery revenues, \$0 from crab rationalization federal fee reimbursements.

^cObservers frequently deploy more than once during a fishery.

^d Range includes the single shortest observer deployment to the single longest deployment.

Table 9. The 2016/2017 Bristol Bay red king crab, Eastern and Western Bering Sea Tanner crab, and Bering Sea snow crab catcher-processor observer deployment costs paid with test-fishery revenues.

Number of deployments	4
Observer deployment days	88
Cost of observers	\$ 30,008

Table 10. Summary of FY17 Bering Sea crab fisheries C/V and C/P observer deployment and program support costs paid with Bristol Bay red king crab test-fishery revenues.

		of Cost	_
	ADF&G	Contract	i
OBSERVER DEPLOYMENT COSTS			
Number of deployments	1	20	
Observer deployment days	9	445	Total deployments 21
Cost of observers \$			Total deployment days 454
			Total observer personnel <u>\$ 152,778</u>
Non-remote deployment expenses \$	-	\$ -	Total non-remote \$ -
Remote deployment expenses <u>\$</u>	-	\$ 6,130	
			Total remote <u>\$ 6,130</u>
ADSERVED REACEAM SURRART CASTS			Total deployment costs \$ 158,9
OBSERVER PROGRAM SUPPORT COSTS Supplies			
Deployment and sampling supplies			
Office supplies (inc. new copy center) \$	820		
Safety supplies \$	-		
Briefing and debriefing supplies \$	103		
Postage and shipping \$	-		
Data forms \$	-		
Administrative		- -	Fotal supplies and equipment \$ 923
Travel and per diem			
Cell phone, sat phone, and internet \$	914		
Cen phone, sat phone, and internet $\frac{5}{3}$	714		Total administration \$ 914
Cost-recovery test fishery			
Personnel \$	4,990		
Charter \$	-		
Vessel Inspection \$	-		
			Total cost-recovery \$ 4,990
Office personnel salaries and benefits			
Fishery Biologist III, 11 months \$	97,156		
Fishery Biologist II, 10 months \$	133,732		
Seasonal Fishery Biologist I, 4.5 months <u>\$</u>	49,997		
			Total office personnel <u>\$ 280,886</u>
			Total program support costs \$ 287,7

Bristol Bay test-fishery budget expenditures \$ 446,621 Crab rationalization federal fee reimbursement budget expenditures

Program costs paid for with Bristol Bay test-fishery revenues and crab rationalization federal fee reimbursement \$ 446,621

Table 11. Summary of FY18 expenditure projections for observer program costs paid with Bristol Bay red king crab test-fishery revenues.

		Source	e of C	ost			
	Α	ADF&G		Contract			
OBSERVER DEPLOYMENT COSTS							
Bristol Bay red king crab observer coverage on 10% of catcher vessels		0		10			
Number of deployments		0		10	Total BBR deployments 1	0	
Average deployment length (days)		0		18	Total BBR deployments1	0	
Average deproyment tength (days)			·	Tc	tal BBR deployment days 18	0	
Contract cost per observer day	\$	-	\$	341		_	
Total observer personnel	\$	-	\$	61,380			
					Total observer personnel <u>\$ 61,38</u>	0	
Non-remote travel	\$	-	\$	-			
Remote travel	¢		¢	6,000	Total non-remote \$	-	
Keniole traver	<u>ب</u>		þ	0,000	Total remote \$ 6,00	0	
		Exp	bendit	ure projecti	on for BBR C/V observer deployment		67,380
Bering Sea snow crab observer coverage on 10% of catcher vessels		1		1 5	1 2		,
Number of deployments		0		10			
					Total BSS deployments 1	0	
Average deployment length		0		33		0	
Contract and man abcomum day	¢		¢		otal BSS deployment days 33	0	
Contract cost per observer day Total observer personnel		-	\$ ¢	341 112,530			
Total observer personner	<u>ب</u>		þ	112,330	Total observer personnel \$ 112,53	0	
Non-remote travel	\$	-	\$	-	Total observer personner <u>\$ 112,55</u>	<u> </u>	
			<u> </u>		Total non-remote \$	-	
Remote travel	\$	-	\$	2,000			
					Total remote \$ 2,00		
		Exp	pendit	ure project	ion for BSS C/V observer deployment	s <u>\$</u>	114,530
Cost reimbursement for Bristol Bay and Bering Sea crab observer days on catch	er pr	rocessors;	20%	of BBR and	30% of BSS, EBT, WBT		
Number of deployments		0		6			
					Total C/P deployments	6	
Average deployment length		0		13			
Deinskungskla soot men skoomen der	¢		¢		otal C/P deployment days 7	8	
Reimbursable cost per observer day Total observer personnel		-	\$ ¢	341 26,598			
	ψ		ψ	20,370	Total observer personnel \$ 26,59	8	
Non-remote travel	\$	-	\$	-		_	
					Total non-remote \$	-	
Remote travel	\$	-	\$	-			
					Total remote \$		
			Exp	penditure p	rojection for C/P observer deployment	s <u>\$</u>	26,598
					Total deployment cost projectio	n <u>\$</u>	208,508
PROGRAM SUPPORT COSTS							
Supplies	¢	2 000					
Deployment and sampling supplies Office supplies		2,000 500					
Safety supplies		- 500					
Briefing and debriefing supplies		500					
Postage and shipping		-					
Data forms		1,500					
				Tot	al supplies and equipment <u>\$ 4,50</u>	0	
Administrative	¢	• • • • •					
Travel and per diem		2,000					
Cell phone, sat phone, and internet		510					
Archiving observer data	φ	1,500			Total administration \$ 4,01	0	
Cost-recovery test fishery					ϕ $+,01$	_	
Personnel	\$	3,500					
Charter		-					
Vessel Inspection	\$	-					
					Total cost-recovery \$ 3,50	0	
Office personnel salaries and benefits	¢	107 577					
Fishery Biologist III, 11 months		107,577					
Fishery Biologist II, 10 months Seasonal Fishery Biologist I, 6 months		107,161 61,990					
Seasonar Fishery Diologist 1, 0 months	Ψ	01,770					
					Total office personnel \$ 276,72	8	

Program support costs \$ 288,738 Projected FY17 observer program expenditures to be paid for with Bristol Bay test-fishery funds \$ 497,246

Note: BBR = Bristol Bay red king crab, BSS = Bering Sea snow crab, Eastern Bering Sea Tanner crab, and WBT = Western Bering Sea Tanner crab

Table 12. Summary of FY17 Aleutian Islands golden king crab test-fishery account revenues and expenses.

Observer program test fishery budget allocation				
Test-fishery account balance carried forward from FY16 into FY17	\$	108,714		
Test-fishery revenue	\$	300,000		
Sum of carry forward and revenue	\$	408,714		
Test-fishery expenditures	\$	294,349		
Test-fishery account funds to be carried forward from FY16 for start up funds in FY17	\$	114,365		

Table 13. Comparison of projected and actual observer deployment and program support costs funded with Aleutian Islands test-fishery revenues.

		Program support costs									Totals	
	EAG and		Sı	pplies								
	WAG		and					Office				
Fiscal Year	C/V		eqı	equipment Admin		Cost-rec		personnel		Total expenses		
FY14 projected	\$ 190,700		\$	1,400	\$	3,870	\$	9,582	\$	94,400	\$	299,952
FY14 actual	\$ 153,280		\$	1,934	\$	-	\$	7,500	\$	97,614	\$	260,328
FY15 projected	\$ 164,000		\$	4,600	\$	1,600	\$	13,335	\$	117,402	\$	300,937
FY15 actual	\$ 146,320		\$	1,500	\$	-	\$	-	\$	114,781	\$	262,601
FY16 projected	\$ 146,450		\$	2,200	\$	-	\$	2,450	\$	102,723	\$	253,823
FY16 actual	\$ 157,728		\$	2,596	\$	-	\$	2,166	\$	109,206	\$	271,696
FY17 projected	\$ 240,700		\$	4,700	\$	2,050	\$	2,500	\$	108,551	\$	358,501
FY17 actual	\$ 193,006		\$	63	\$	-	\$	3,034	\$	110,430	\$	306,533
FY18 projected	\$ 240,700		\$	4,700	\$	2,050	\$	2,500	\$	108,551	\$	358,501
FY18 actual												

Note: EAG = Eastern Aleutian Islands golden king crab, WAG = Western Aleutian Islands golden king crab, and C/V = Catcher vessel

Aleutian Islands golden king crab test-fishery revenues		of Cost	
—	ADF&G	Contract	
OBSERVER DEPLOYMENT COSTS			
Number of deployments	-	12	
			Total deployments 12
Observer deployment days	-	566	
		¢ 100.00¢	Total deployment days 566
Cost of observers \$	-	\$ 193,006	T (1 1 1 1 f 102 00c
Non comoto doplovement overcos		¢	Total observer personnel\$ 193,006
Non-remote deployment expenses \$	-	<u></u> ф -	Total non-remote \$ -
Remote deployment expenses \$		\$	Total lion-teniote 5 -
Kentote deptoyment expenses 5		φ -	Total remote \$ -
			Total deployment costs \$ 193,006
PROGRAM SUPPORT COSTS			
Supplies			
Deployment and sampling supplies			
Office supplies			
Safety supplies \$	-		
Briefing and debriefing supplies \$	-		
Postage and shipping			
Data forms \$	63		
			Total supplies and equipment <u>\$</u> 63
Administrative			
Travel and per diem \$	-		
Cell phone, sat phone, and internet \$	-		
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			Total administration <u>\$</u>
Cost-recovery test fishery	2 0 2 4		
Personnel \$	3,034		
Charter \$	-		
Vessel Inspection \$	-		Total cost recovery \$ 2.024
Office personnel salaries and benefits			Total cost-recovery \$ 3,034
Seasonal Fishery Biologist I, 2 months \$	19,443		
Seasonal Fishery Biologist I, 2 months \$	90,987		
Seasonal Fishery Diologist 1, 6 months - 5	70,907		Total office personnel \$ 110,430
			Total program support costs \$ 113,527
		Aleutia	n Islands test-fishery account expenditures \$ 306,533

Table 14. Summary of FY17 Aleutian Islands golden king crab fisheries observer deployment and program support costs paid with Eastern Aleutian Islands golden king crab test-fishery revenues.

Table 15. Summary of FY18 expenditure projections for observer program costs paid with Aleutian Islands golden king crab test-fishery revenues.

		Sourc	e or Co	ost	
		ADF&G	С	ontract	
DBSERVER DEPLOYMENT COSTS					
Aleutian Islands golden king crab observe	er coverage of at least 50% of the weight of golden				
	Number of deployments			14	T . 11 1
	Average deployment length (days)			50	Total deployments 14
	Average deployment lengui (days)			50	Total deployment days 700
	Contract cost per observer day \$	-	\$	341	I J J
	Total observer personnel \$		\$	238,700	
					Total observer personnel \$ 238,700
	Non-remote travel \$	-	\$	-	
	Domoto troval		¢	2 000	Total non-remote \$ -
	Remote travel \$		Э	2,000	Total remote \$ 2,000
		Expenditur	e proje	ction for W	AG and EAG C/V observer deployments \$ 240,70
ROGRAM SUPPORT COSTS		-			
upplies					
	Deployment and sampling supplies \$	500			
	Office supplies \$	500			
	Safety supplies \$ Briefing and debriefing supplies \$	500 1,200			
	Postage and shipping \$	500			
	Data forms	1,500			
		,		Tot	al supplies and equipment \$ 4,700
dministrative					
	Travel and per diem \$	-			
	Cell phone, sat phone, and internet \$	50			
	Archiving observer data \$	2,000			Tetel - Jusicietastica (h. 2050
ost-recovery test fishery					Total administration \$ 2,050
ast recovery test namery	Personnel \$	2,500			
	Charter \$	_,			
	Vessel Inspection \$	-			
	· _				Total cost-recovery \$ 2,500
Office personnel salaries and benefits					
	Seasonal Fishery Biologist I, 2 months \$	28,156			
	Seasonal Fishery Biologist I, 8 months \$	80,395			
					Total office personnel <u>\$ 108,551</u>
					Total program support costs \$ 117,80
					F
	Duris stad EV17 sharmen and			1 .1.0	r with Aleutian Islands test-fishery funds \$ 358,50

Bering Sea and Bristol Bay test fish	\$ 497,246
Aleutian Islands test fish	\$ 358,501
Crab rationalization federal fee reimbursement	\$ 597,000
Program expenditure projections for FY17	\$ 1,452,748

Table 16. Summary of FY18 expenditure projections for crab observer program budgets.