

## GMU 1A Deer

Review options for possibly revising  
the amounts reasonably necessary for  
subsistence uses

Alaska Department of Fish and Game at the request of  
the Alaska Board of Game

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Region II Meeting  
March 15-19, 2013

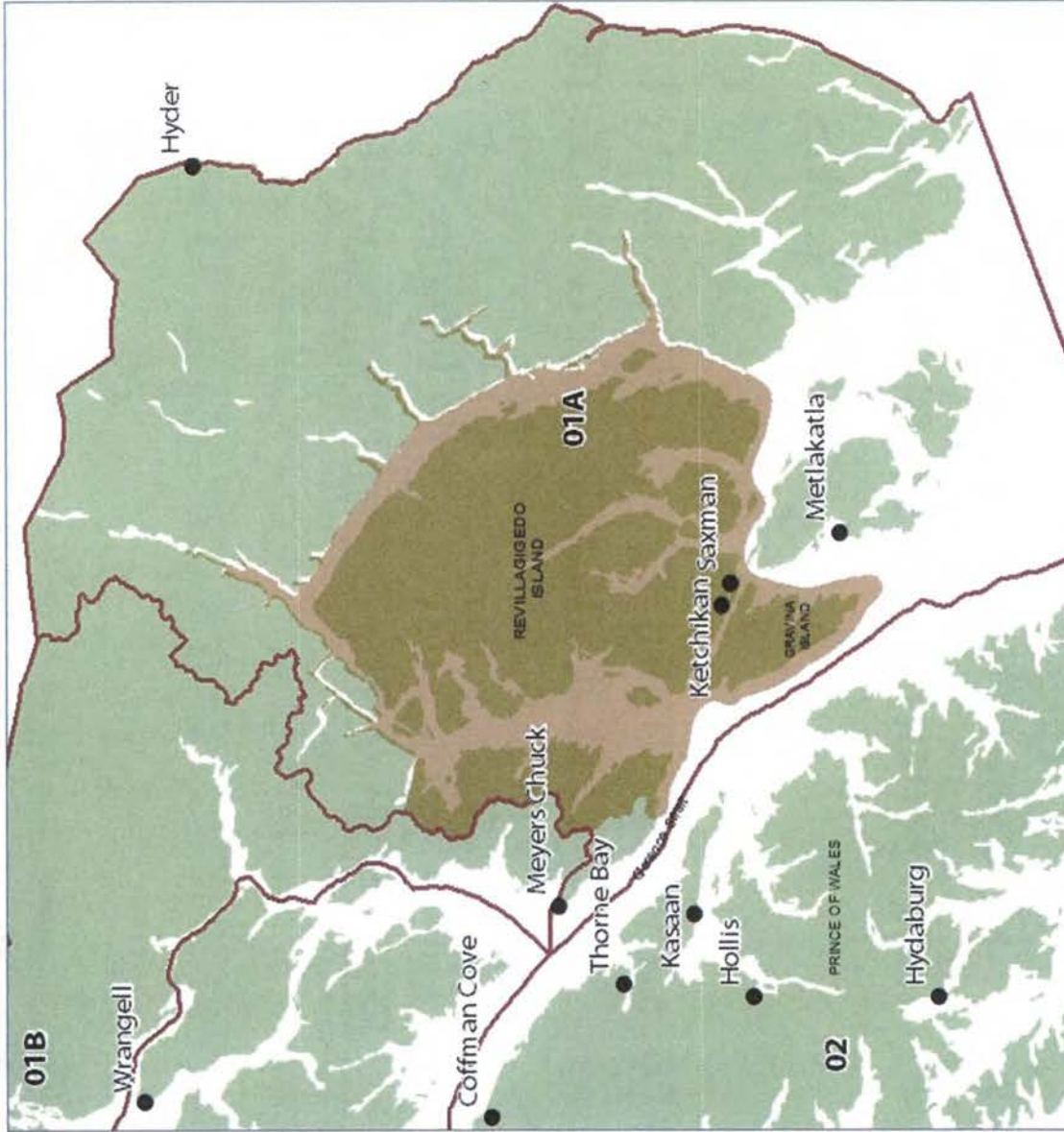




Game Management Unit



Ketchikan Nonsubsistence Area



The Ketchikan Nonsubsistence Area is comprised of the following: within Unit 1(A), as defined in 5 AAC 92.450(1) (A), all drainages of the Cleveland Peninsula between Hiblack Point and Bluff Point, Revillagigedo, Gravina, Pennekot, Smeaton, Bold, Betton, and Hassler Islands; all marine waters of Sections 1-C, as defined by 5 AAC 33.200(a) (3), 1-D, as defined by 5 AAC 33.200(a) (4), 1-E, as defined by 5 AAC 33.200(a) (5), that portion of Section 1-F, as defined by 5 AAC 33.200(a) (6), north of the latitude of the southernmost tip of Mary Island and within one mile of the mainland and the Gravina and Revillagigedo Island shorelines; and that portion of District 2, as defined by 5 AAC 33.200(b), within one mile of the Cleveland Peninsula shoreline and east of the longitude of Hiblack Point.



# State Subsistence Procedures

## Board Findings for 1A Deer

- Is there Customary and Traditional Use of 1A Deer.
  - Yes, positive finding in 1992. Current ANS is 225-250.
  
- Is there a "Harvestable Surplus" of 1A deer?
  - Harvest objective is 700 deer, however, no harvestable surplus set for the subsistence area.



# Harvest Pattern

Annual harvest of deer in GMU 1A.

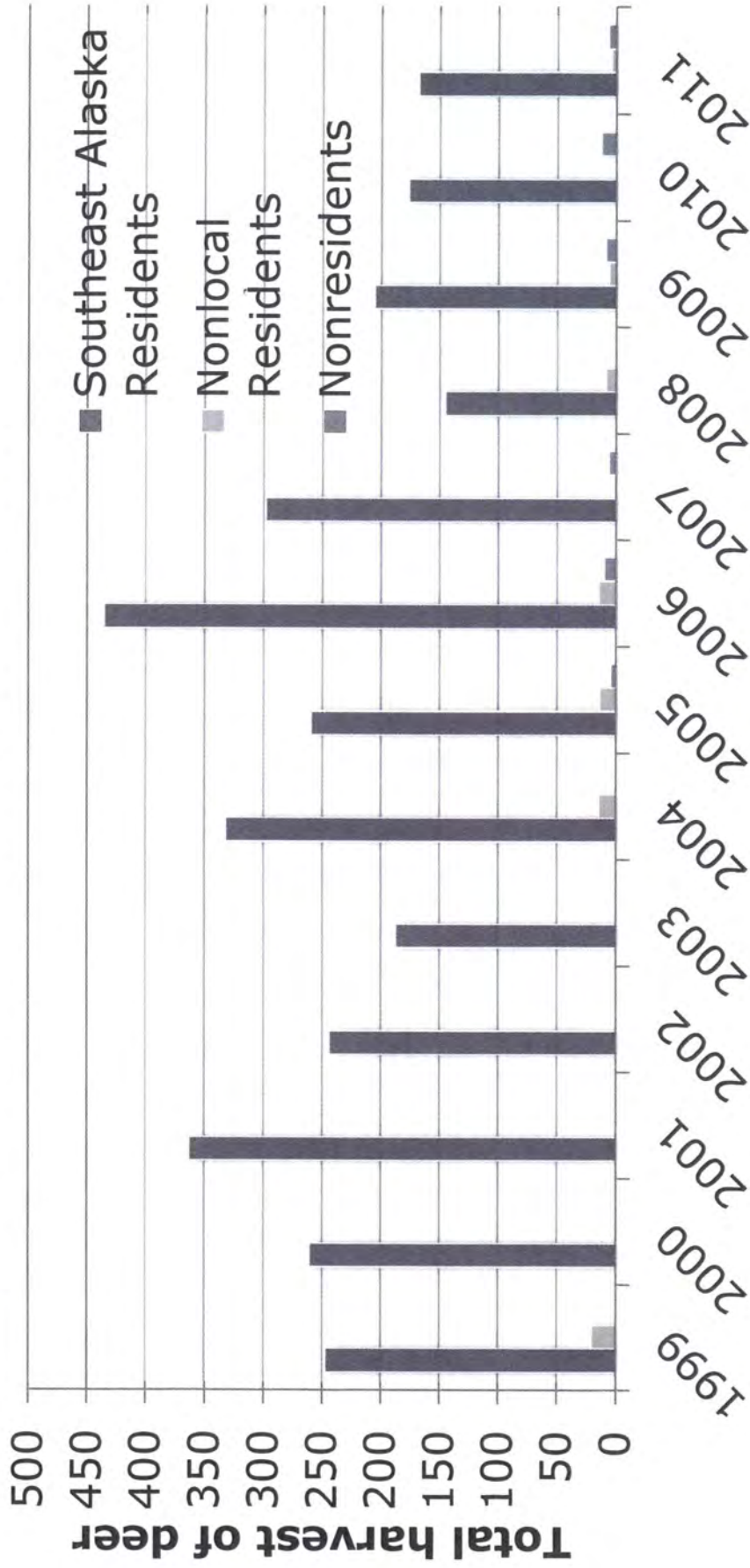
Year	Hunter residency by GMU										Subtotal	Other Alaska	Alaska Sub-total	Outside Alaska	Residency Unknown	Grand Total
	Unit 1A	Unit 1C	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9						
1999	225	10	0	12							247	21	268	0		268
2000	261										261	0	261			261
2001	334	0		29							363		363			363
2002	244										244	0	244			244
2003	187		0	0							187	0	187			187
2004	318	14		0							332	15	347			347
2005	245	3	0	4	8						260	14	274	5		279
2006	387	25		20	4						436	15	451	10	0	461
2007	281	0	17	0	0						298	2	300	6		306
2008	121	14	10	0	0	0			0		145	9	154	0		154
2009	190	0	9	1	6						206	6	212	9	0	221
2010	121	5	36	0	15						177	1	178	13	0	191
2011	149	0		7	12						168	4	172	7	3	182

Source: ADF&G Division of Wildlife Conservation, harvest ticket database, 2012.



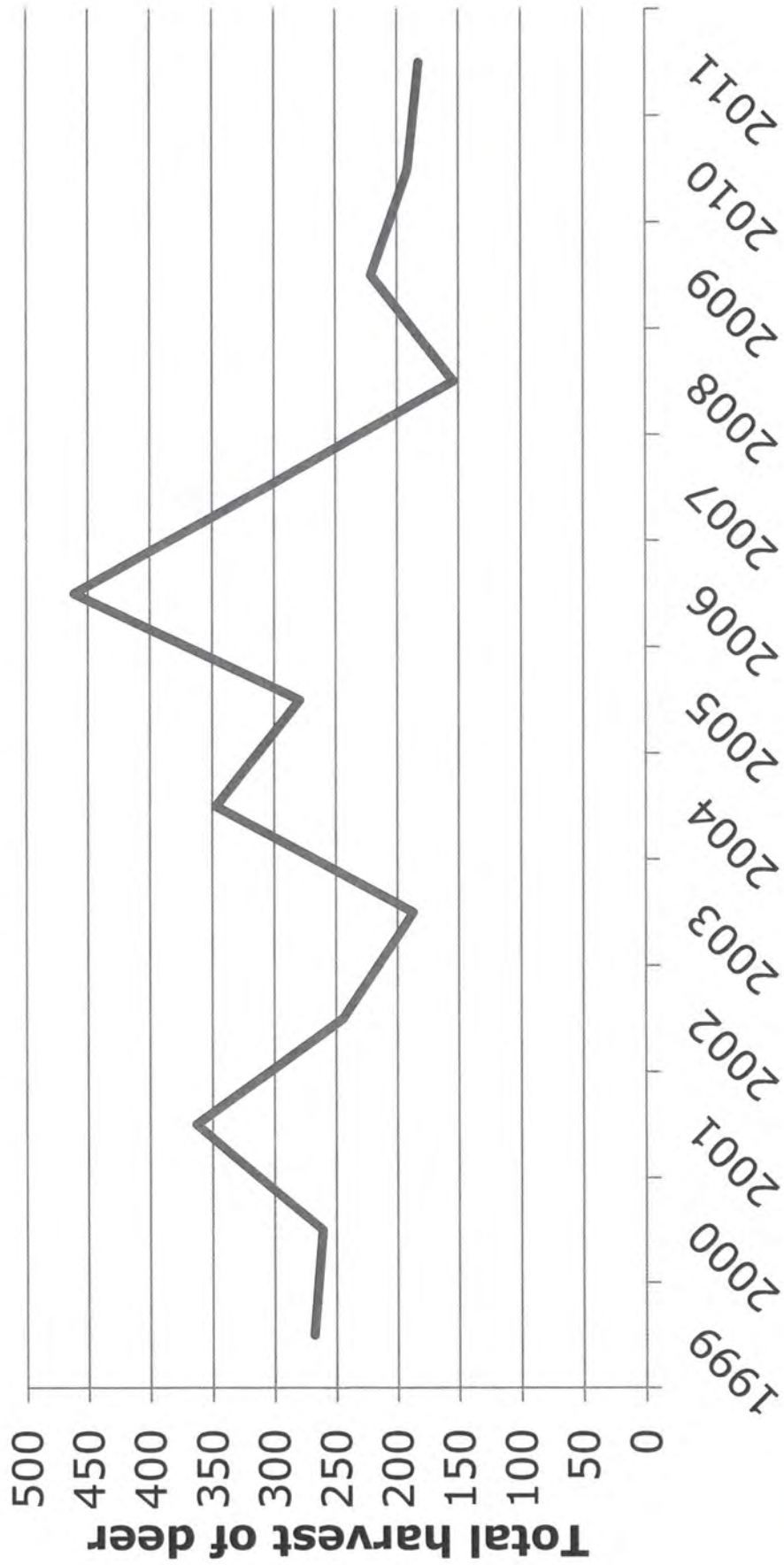
# Harvest Pattern

GMU 1A harvest of deer by residency



# Harvest Pattern

## GMU 1A harvest of deer



# Considerations

- 1992 C&T finding applies to all Southeast Alaska residents who harvest deer in GMU 1A.
- The original ANS finding was made after the establishment of the nonsubsistence area.
- A review of recent data shows a decline in harvest since 2008.
- Any modification should only take into account deer harvested in the "subsistence area" of GMU 1A.
- Mainland areas have lower deer population density than islands.
- GMU 1B ANS is 40-50 deer
- GMU 1C ANS is 30-40 deer



# Harvest Pattern

Annual harvest of deer in GMU 1A subsistence area

Year	Hunters Residing in Southeast Alaska					Subtotal	Other Alaska	Alaska Sub-total	Outside Alaska	Residency Unknown	Grand Total
	Unit 1A	Unit 1C	Unit 2Z	Unit 3Z	Unit 4Z						
1999	19					19		19			19
2000	37					37		37			37
2001	5					5		5			5
2002	0					0		0			0
2003	6					6		6			6
2004	0					0		0			0
2005	0		4			4		4	0		4
2006	9	25		20	4	58		58			58
2007	25		16		0	41		41			41
2008	0		6	0	0	6		6			6
2009	3		6	0	0	9		9	0		9
2010	4	5	28	0		37		37	4		41
2011	12			5		17		17			17

Source: ADF&G Division of Wildlife Conservation, harvest ticket database, 2012.

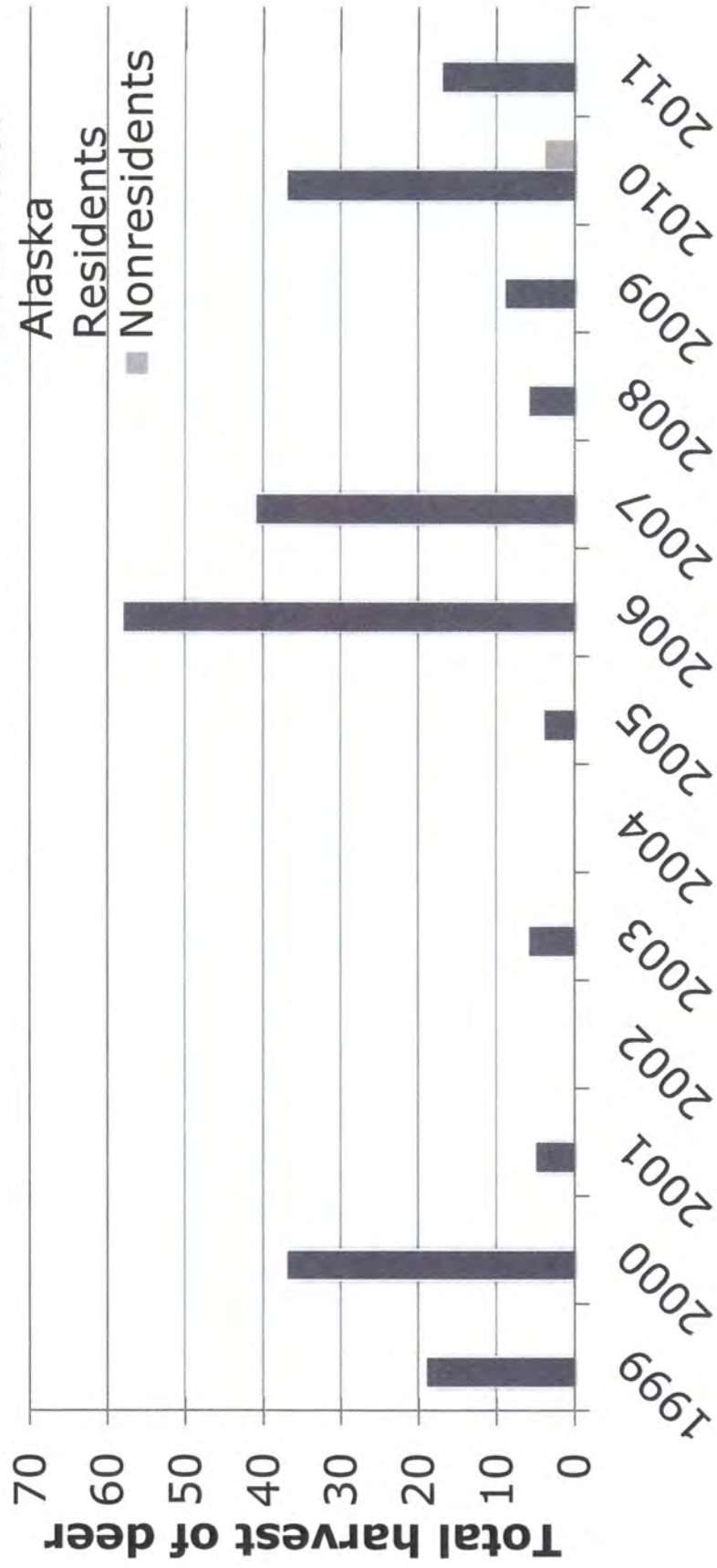




# Harvest Pattern

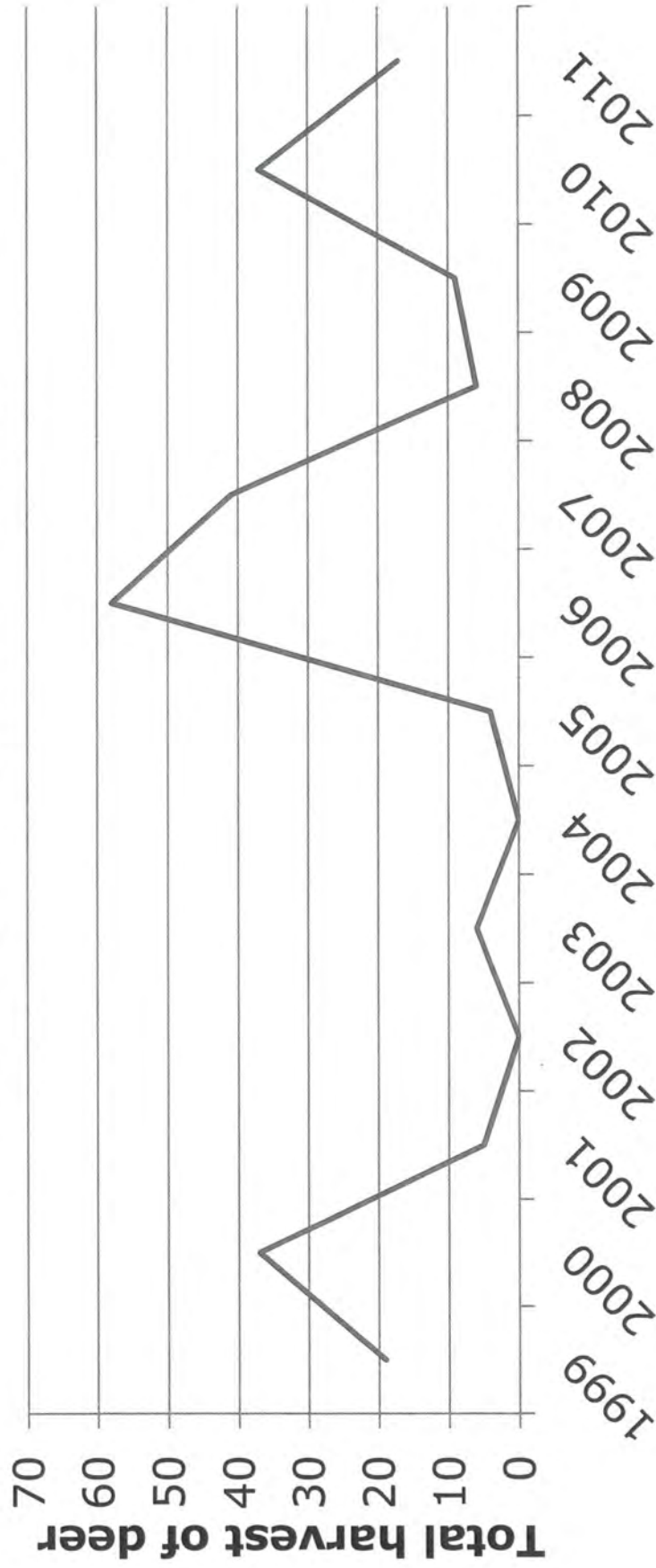
**GMU 1A subsistence area harvest of deer by residency**

■ Southeast Alaska Residents  
■ Nonresidents



# Harvest Pattern

**GMU 1A subsistence area harvest of deer, Southeast Alaska residents**



ANS Option 1:  
 Range based on low and high harvests by  
 all Alaska residents from 1999-2011

Harvest		ANS range option (rounded)	
Low	High	Low	High
0	58	0	60



## ANS Option 2: Range based on mean and standard deviation of harvests by all Alaska residents from 1999–2011

Range of harvest			Bounded by			Mean $\pm$ SD			ANS range option (rounded)		
Low	High	Mean	SD	Low	High	Low	High	Low	High	Low	High
0	58	18	18	0	36	0	36	0	36	0	40



**ANS Option 3:  
 Range based on low and high harvests by  
 all Alaska residents from 2007-2011**

Harvest		ANS range option (rounded)	
Low	High	Low	High
6	41	10	45



## ANS Option 4: range based on mean and standard deviation of harvests by all Alaska residents from 2007-2011

Range of Harvest			Mean $\pm$ SD			ANS range option (rounded)	
Low	High	Mean	SD	Low	High	Low	High
6	41	22	16	6	38	10	40
						<i>Equals</i>	
						<i>Bounded by</i>	



## ANS Options

Option 5: No change to ANS range.

### Benefits:

- Defer action to 2014-2015 cycle.
- Allow 4-5 years of harvest data.
- Define harvest objective for subsistence and nonsubsistence areas.
- Local resident will be able to comment on change.

