

GMU 5 Deer

Review options for revising the amounts reasonably necessary for subsistence uses

Proposal 16

*Davin Holen
Subsistence Program Manager,
Southern Region*

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State Subsistence Procedures

Board Findings for GMU 5 Deer

- Is there customary and traditional use of deer in GMU 5.
 - Yes, positive finding in 1992. Current ANS is 100% of the allowable surplus.
- Is there a “harvestable surplus” of deer in GMU 5?
 - Harvest objective managed by hunt conditions: 1 buck bag limit, 30 day season.
 - Hunt only available in GMU 5A.



GMU 5A Harvest Pattern

Annual estimated harvest of deer in GMU 5A by residency of hunters by GMU in Southeast Alaska and residency of hunters in other areas, 1997-2012

Year	Harvest by GMU of residency					Other	Alaska	Outside	Residency	Grand
	GMU 1	GMU 2	GMU 4	GMU 5	Subtotal	Alaska	Subtotal	Alaska	Unknown	Total
1997	0			0	0	5	5			5
1998				5	5	0	5			5
2001				4	4	0	4			4
2002				15	15	0	15			15
2003	0			28	28	0	28			28
2004	9		8	21	38	0	38			38
2005		6		22	28	6	34	5		39
2006	20	1		21	42	0	42			42
2007			6	13	19	0	19			19
2008				32	32	0	32	5		37
2009				21	21	0	21			21
2010	0			24	24	6	30			30
2011				49	49	2	51		2	53
2012				19	19	0	19		0	19

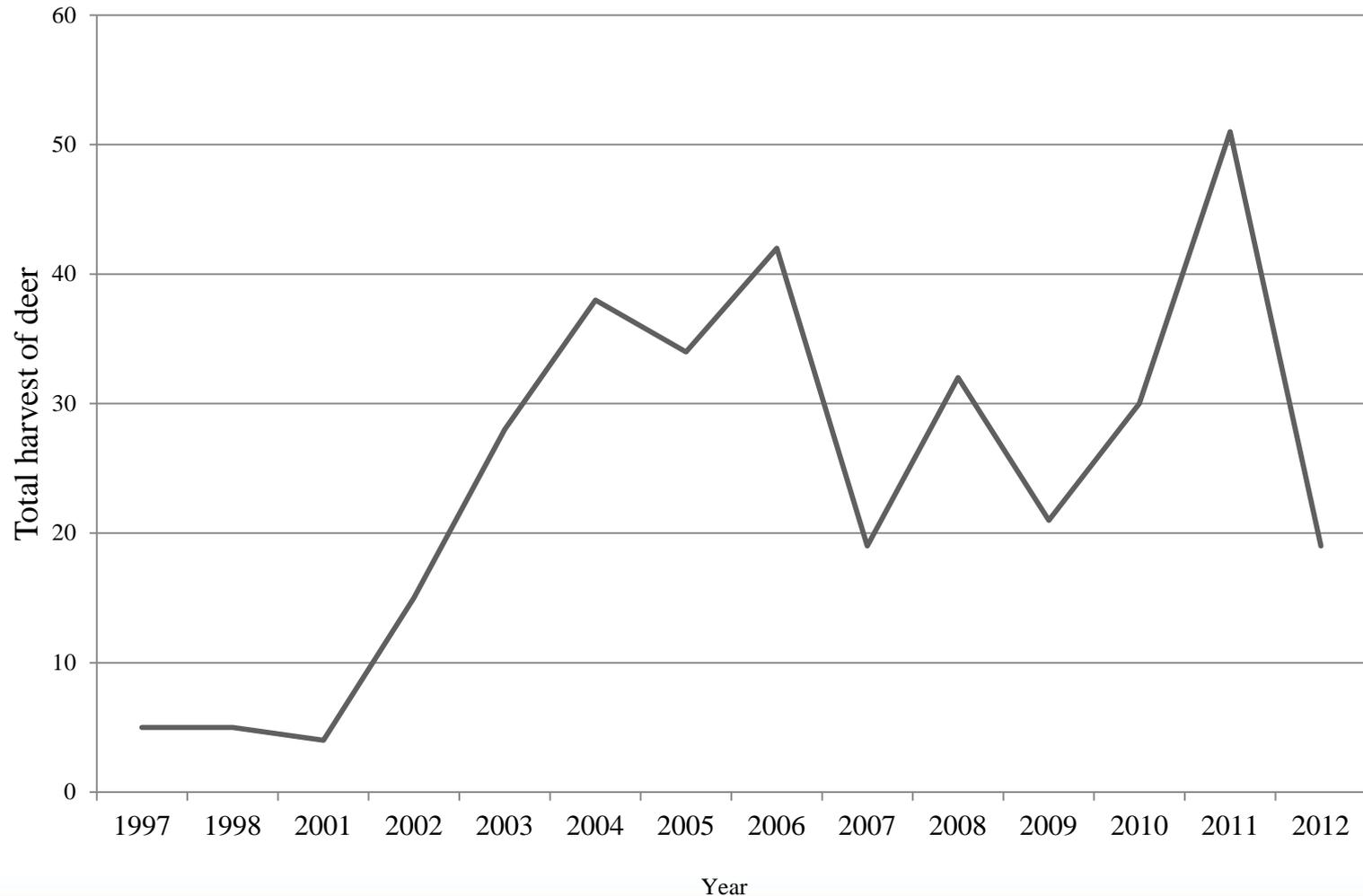
Source Alaska Department of Fish and Game, Division of Wildlife Conservation harvest ticket database 2014.

Note Blank cells indicate no hunt or harvest.



GMU 5A Harvest Pattern

Annual harvest of deer in GMU 5A, all hunters, 1997-2012



GMU 5A Harvest Pattern

Total deer harvest in GMU 5A by regulatory year and community of residence

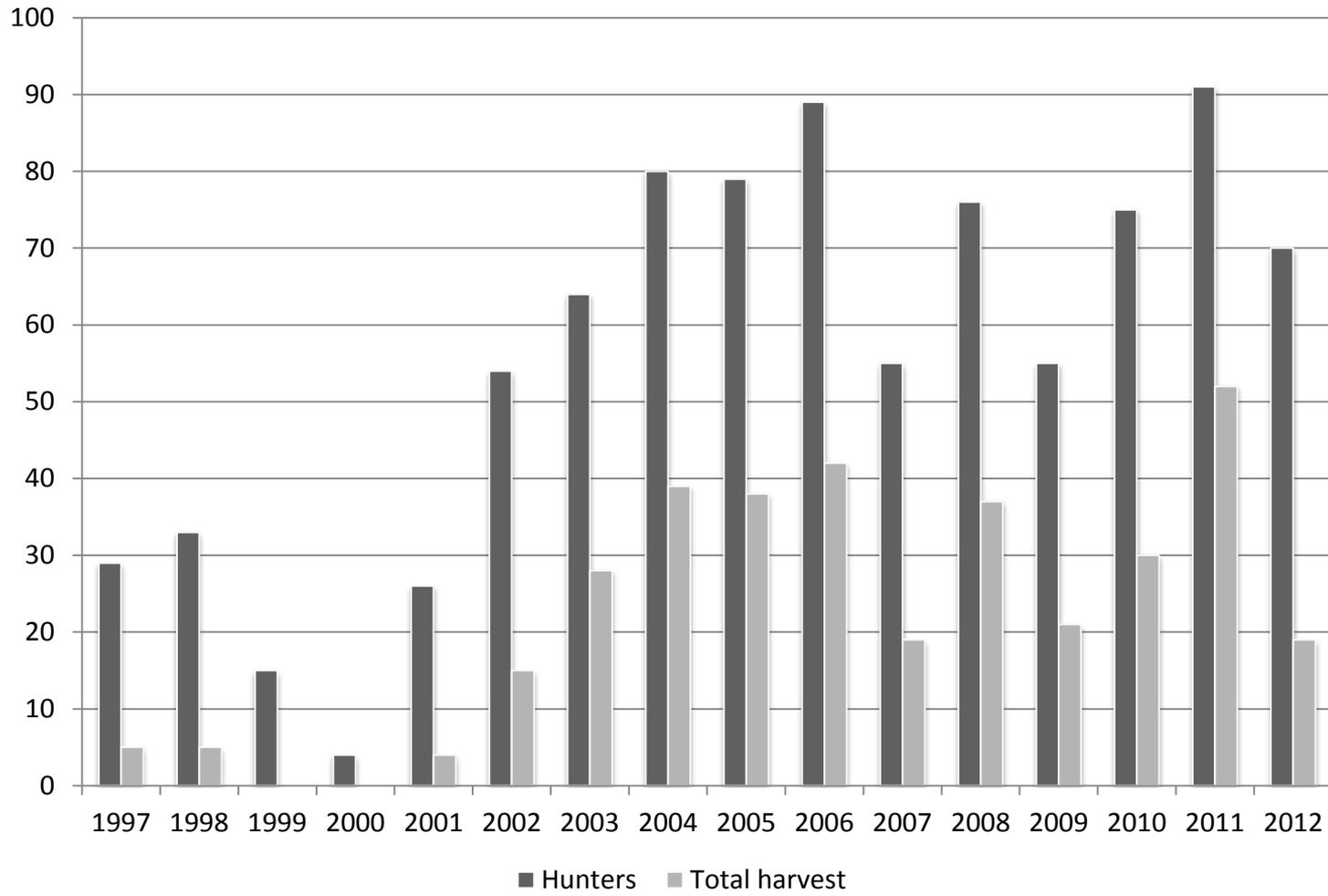
Community of Residence	Regulatory Year					
	2007	2008	2009	2010	2011	2012
Sitka	6					
Yakutat	13	32	21	24	49	19
Southeast Alaska subtotal	19	32	21	24	49	19
Other Alaska	0	0	0	6	2	0
Alaska subtotal	19	32	21	30	51	19
Outside Alaska		5				
Residency Unknown					2	0
Grand total	19	37	21	30	53	19

Source Alaska Department of Fish and Game, Division of Wildlife Conservation harvest ticket database 2014.

Note Blank cells indicate no hunt or harvest.



GMU 5A Harvest Pattern



Considerations

- The current ANS is 100% of the harvestable surplus.
- There is both a resident and nonresident deer hunt in GMU 5A.
- Very few harvests by non-resident hunters.
- The deer hunt is conservatively managed allowing for 1 buck from November 1-30.
- Deer populations are small and subjected to heavy snowfall, which decreases winter survivability.
- Harvest and hunter success has varied widely over time.



ANS Option 1:
Range based on low and high harvests by
all Alaska residents from 1997–2012

Harvest		ANS range option (rounded)	
Low	High	Low	High
4	51	5	50



ANS Option 2:

Range based on mean and standard deviation of harvests by all Alaska residents from 1997–2012

Range of harvest					Mean \pm SD		<i>Equals</i>	ANS range option (rounded)	
Low	High	Mean	SD		Low	High		Low	High
4	51	25	14	<i>Bounded by</i>	11	38		10	40



ANS Option 3:
Range based on low and high harvests by
all Alaska residents from 2008–2012

Harvest		ANS range option (rounded)	
Low	High	Low	High
19	51	20	50



ANS Option 4:

Range based on mean and standard deviation of harvests by all Alaska residents from 2008–2012

Range of Harvest				<i>Bounded by</i>	Mean ± SD		<i>Equals</i>	ANS range option (rounded)	
Low	High	Mean	SD		Low	High		Low	High
19	51	31	11		19	42		20	40



ANS Options

Option 5: No change to ANS range.

