

GMU 1A Deer

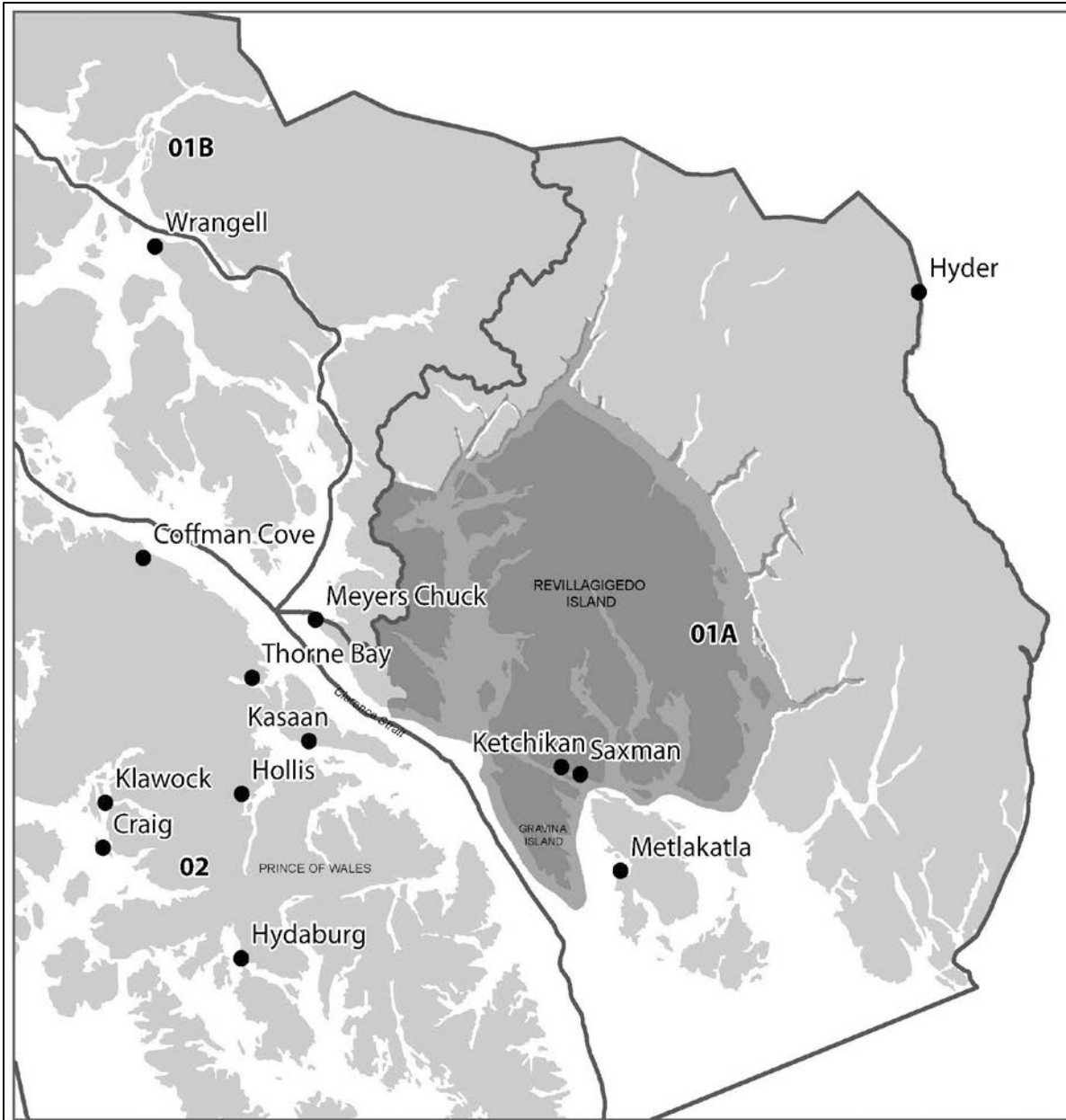
Review options for revising the amounts reasonably necessary for subsistence uses

Proposal 206

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Southern Region*

Region I Meeting
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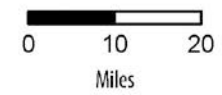
Game Management Unit



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 Niblack Point and Bluff Point, Revillagigedo, Gravina, Pennock, 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 Niblack Point.



State Subsistence Procedures

Board Findings for GMU 1A Deer

- Is there customary and traditional use of deer in GMU 1A.
 - Yes, positive finding in 1992. Current ANS is 225-250.
- Is there a “harvestable surplus” of deer in GMU 1A?
 - Harvest objective is 700 deer, however, no harvestable surplus set for the subsistence area.



GMU 1A Overall Harvest Pattern

Annual estimated harvest of deer in GMU 1A by residency of hunters by GMU in Southeast Alaska and residency of hunters in other areas, 1997-2012

Regulatory year	Hunters by GMU of residency						OTHER	OUTSIDE	RESIDENCY	Grand
	GMU 1A	GMU 1C	GMU 2	GMU 3	GMU 4	Subtotal	Alaska	Alaska	Unknown	Total
1997	514					514	0	14		528
1998	499	0				499	10	0		509
1999	225	10	0	12		247	21	0		268
2000	261					261	0			261
2001	334	0		29		363				363
2002	244					244	0			244
2003	187		0	0		187	0			187
2004	318	14		0		332	15			347
2005	245	3	0	4	8	260	14	5		279
2006	387	25		20	4	436	15	10	0	461
2007	281	0	17	0	0	298	2	6		306
2008	121	14	10	0	0	145	9	0		154
2009	190	0	9	1	6	206	6	9	0	221
2010	121	5	36	0	15	177	1	13	0	191
2011	167	1		3	0	171	2	11	2	186
2012	192	4	4	7	9	216	4	14	3	237

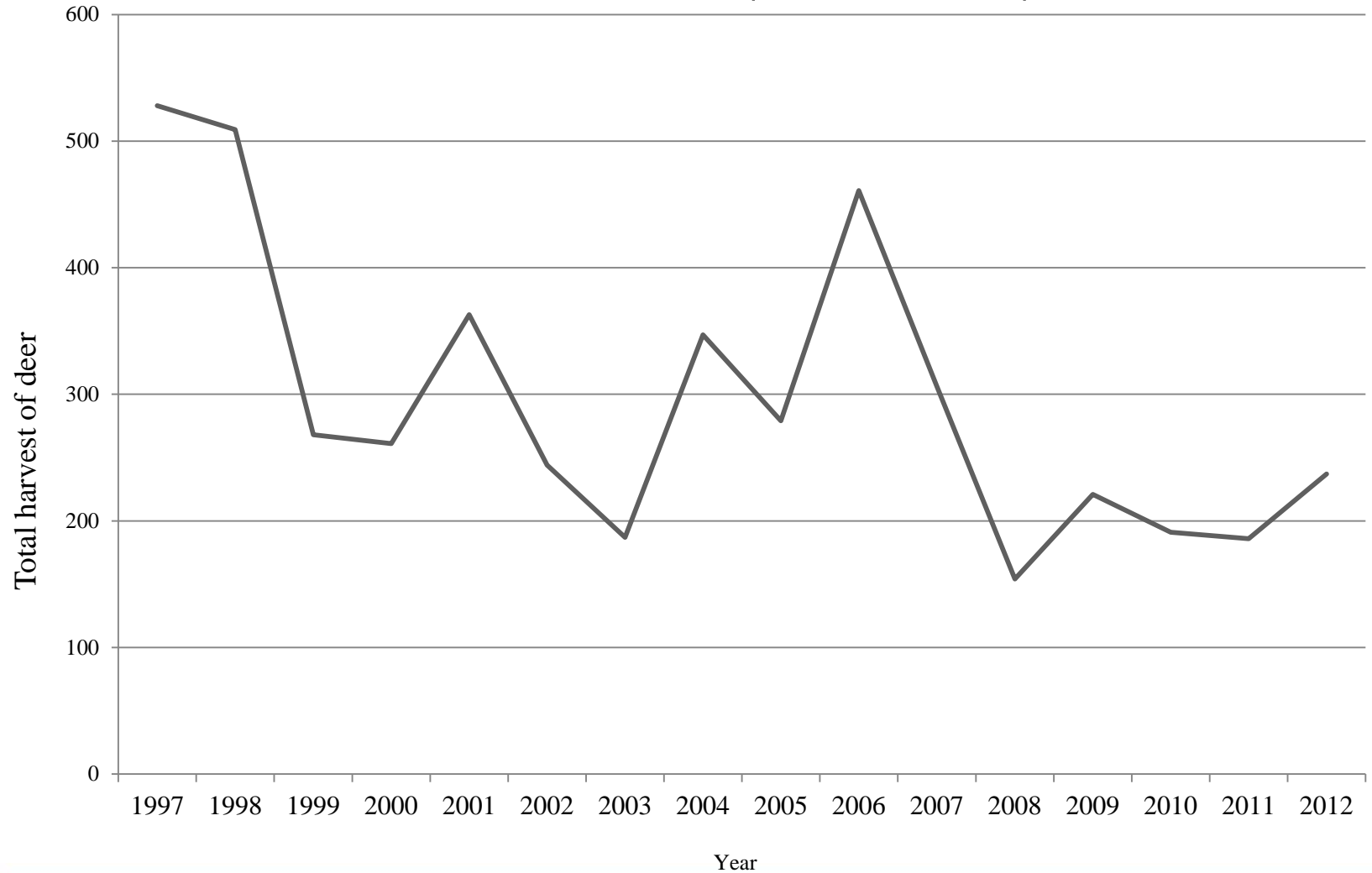
Source Alaska Department of Fish and Game, Division of Wildlife Conservation harvest ticket database 2014.

Note Blank cells indicate no hunt or harvest.



GMU 1A Overall Harvest Pattern

Annual harvest of deer in GMU 1A, all hunters, 1997-2012



GMU 1A Overall Harvest Pattern

Harvest of deer in GMU 1A, by community of hunter residence, 1997-2012

Community of residence	Regulatory Year															
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
COFFMAN COVE														2		
CORDOVA																1
CRAIG												10	3	22		2
GUSTA VUS															1	
HOLLIS												0		5		
HOONAH																2
HYDABURG																2
JUNEAU			10					14	3	25		14		5		4
KAKE					24											
KETCHIKAN	480	477	186	205	297	216	182	310	202	366	263	121	186	122	152	182
KLAWOCK												17	2			0
METLAKATLA	18	22	25	56	36	27	5	8	42	22	19		3			6
MEYERS CHUCK																3
NAUKATI BAY													1			
NEETS BAY	16		14			3										2
PETERSBURG					4				1	16					1	7
PORT PROTECTION														3		
SITKA									8				6	15		1
TENAKEE SPRINGS										4						5
THORNE BAY													1	5		
WARD COVE															15	0
WRANGELL			12						3	4			1		2	0
Southeast Alaska subtotal	514	499	247	261	361	246	187	332	259	437	299	145	203	179	171	217
Other Alaska	0	10	21	0	0	0	0	15	14	15	2	8	6	1	2	3
Alaska subtotal	514	519	289	261	361	246	187	362	287	467	303	161	215	181	175	223
Residency Unknown															2	2
Outside Alaska	15								5	10	6		8	13	11	13
Grand Total	529	509	268	261	361	246	187	347	278	462	307	153	217	193	186	235

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

Note Blank cells indicate no hunt or harvest.



Considerations

- 1992 C&T finding applies to all 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



GMU 1A Subsistence Area Harvest Pattern

Harvests of deer outside the Ketchikan Nonsubsistence Use Area portion of GMU 1A, by residency, 1997-2012

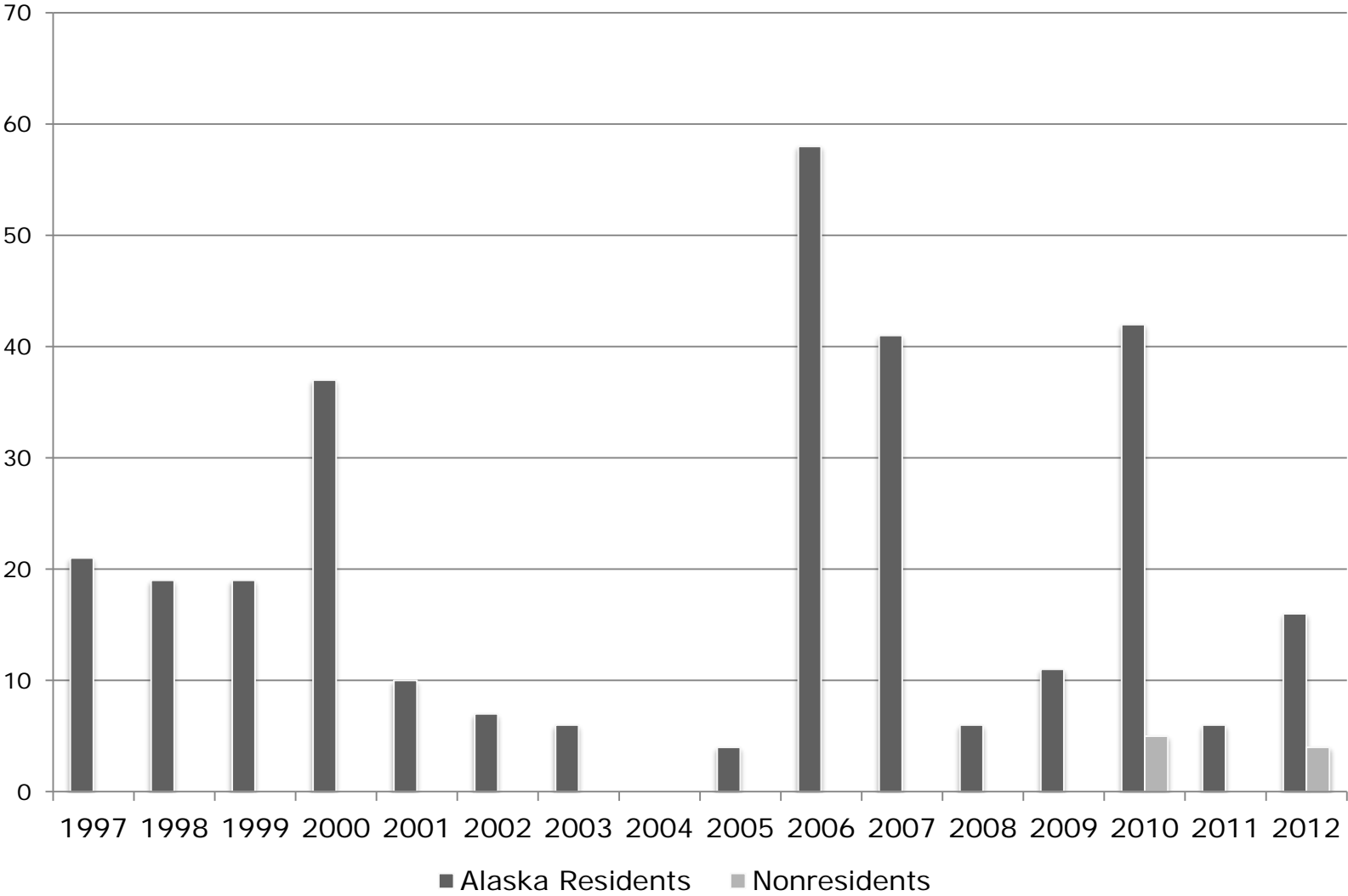
Year	Deer harvests by hunters residing in Southeast Alaska							Other	Alaska	Outside	Grand
	GMU 1A	GMU 1C	GMU 2	GMU 3	GMU 4	GMU 5	Subtotal	Alaska	Total	Alaska	Total
1997	21						21		21	0	21
1998	19	0					19		19		19
1999	19						19		19		19
2000	37						37		37		37
2001	10						10		10		10
2002	7						7		7		7
2003	6						6		6		6
2004	0										
2005	0			4	0		4		4	0	4
2006	9	25		20	4		58		58		58
2007	25		16		0		41		41		41
2008	0		6	0	0	0	6		6		6
2009	6		5	0			11		11	0	11
2010	4	5	30	0	3		42		42	5	47
2011	4			2			6		6		6
2012	2		2	7	5		16		16	4	20

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

Note Blank cells indicate no hunt or harvest.



GMU 1A Subsistence Area Harvest Pattern



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	58	5	60



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		Equals	ANS range option (rounded)	
Low	High	Mean	SD		Low	High		Low	High
4	58	20	16	<i>Bounded by</i>	4	36		5	35



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
6	42	5	40



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
6	42	16	13		3	30		5	30



ANS Options

Option 5: No change to ANS range.

