

Proposals 53 and 54

RC 4, Tab 3.2

Proposal 53: Revise the Amount Reasonably Necessary for Subsistence for Moose in Unit 19(A)

- **Proposed by** the Central Kuskokwim Advisory Council
- **Department Position:** Neutral

Proposal 54: Revisit the Amount Necessary for Subsistence for Moose in Unit 19(E)

- **Proposed by** the Stony Holitna Advisory Council
- **Department Position:** Neutral

GASH AC, CKAC, SHAC, and McGrath AC: **SUPPORT** 53 and 54
Bethel AC – **OPPOSE** 53/ **SUPPORT** 54

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Proposals 53-54: Outline

1) Amounts Necessary for Subsistence (ANS) refresher

2) Regulatory history of ANS in Unit 19

3) Current Biological Data

4) Proposal 53: Implications and ANS options

5) Proposal 54: Implications and ANS options

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Proposals 53-54: What ANS is (and is not)

- AS 16.05.258(b) requires the Board to determine the Amount of the harvestable portion of a fish stock that is reasonably Necessary for Subsistence uses (ANS)

What ANS is not:	What ANS is:
<ul style="list-style-type: none">Does not indicate subsistence “need”Not a quota or harvest capNot in-season management toolNot made for communities	<ul style="list-style-type: none">A guideline: the typical range of numbers of animals harvested for subsistence uses during times when there has been enough of the harvestable portion to provide reasonable opportunityReflects historical harvest levelsAssist board in providing reasonable opportunity

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Proposals 53-54: Regulatory History of ANS in Unit 19

- 92-59-BOG: Three subsistence use patterns for moose in the Holitna/Hoholitna drainages identified:
 - Lower Kuskokwim Use Pattern from Unit 18 hunters
 - Middle Kuskokwim Use Pattern from Unit 19 hunters
 - Floater/Drifter Use Pattern by other AK residents
- Board established ANS of 150 – 250 moose in Unit 19 outside of the LVMA

ADF&G. 2004. "Central Kuskokwim Moose Management Plan." Juneau: Alaska Department of Fish and Game, Division of Wildlife Conservation.

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Proposals 53-54: Regulatory History of ANS in Unit 19, continued

2002: Board revised the ANS to 400-700 in Unit 19 outside of the LMVA and 30-40 within the LMVA


March 2002 ANS Calculation			
GMU 19A	2000 US Census	est. moose per capita	total
Aniak	572	0.15	86
Chuathbaluk	119	0.2	24
Crooked Creek	137	0.2	27
Lower Kalskag	267	0.2	53
Red Devil	48	0.2	10
Sleetmute	100	0.2	20
Stony River	61	0.2	12
Upper Kalskag	230	0.2	46
19A Subtotal	1534		278
GMU 19D			
McGrath	401	0.2	80
Nikolai	100	0.3	30
Takotna	50	0.15	8
19D Subtotal	551		118
Subtotal 19A & 19D	3619		396
GMU 18 successful hunters in GMU 19			180
TOTAL MOOSE HARVEST FROM GMU 19*			576
25% variance, the ANS range would be			432-720
Board ANS finding in March 2002			400-700

*Excludes moose harvested by other residents of Alaska from outside GMU 19 and 18


Proposals 53-54: Regulatory History of ANS in Unit 19, continued

- 2003:** CKMC formed
- 2005:** moose population estimates confirmed a significant decline in Unit 19A

CENTRAL KUSKOKWIM MOOSE MANAGEMENT PLAN



Prepared by:
Alaska Department of Fish and Game
Division of Wildlife Conservation
In cooperation with:
Central Kuskokwim Moose Management Planning Committee



June 2004

Proposals 53-54: Regulatory History of ANS in Unit 19, continued

- **2006:** The board modified the ANS for Unit 19 to include 175-225 moose in 19A and 20-24 in 19B
 - TM680 (western portion)
 - 19A remainder (eastern portion) was closed to all moose hunting
- **2007:** The advisory committee split into two:
 - Central Kuskokwim AC
 - Stony Holitna AC

Legend:

- GMU 19A (pre-2022)
- RM682
- TM680
- Lime Village Management Area

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Proposals 53-54: Regulatory History of ANS in Unit 19, continued

- **2019:** RM682 opened in eastern portion of Unit 19A
- **2022:** The board split Unit 19A into 19A and 19E, along the hunt boundary line between TM680 and RM682

Legend:

	Area:
Game Mgmt Unit 19A	5,704 mi ²
Game Mgmt Unit 19E	4,267 mi ²
RM682	3,397 mi ²
TM680	5,704 mi ²
TM684	871 mi ²

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Proposal 53 and 54: Current Biological Data

- Total Harvestable Surplus in Unit 19 A and E combined – 330 moose
 - 19A TM680 hunt area: 5,510 moose and a harvestable surplus of 220 moose
 - 19E RM682 hunt area: 2,731 moose and a harvestable surplus of 110 moose
- ANS for 19A and E combined: 175-225

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PROPOSAL 53: Department Comments

Proposal 53: Revise the Amount Reasonably Necessary for Subsistence for Moose in Unit 19(A)

- Proponent seeks to create a new ANS for 19A ONLY and increase the upper bound of the ANS from 175 – 225 to 175 – 300
- The Department is **NEUTRAL** on this proposal because it is allocative.
- Current harvestable surplus in 19A: 220 moose, which is within the proposed ANS range of 175 - 300
- Revising the upper end of the ANS range will not require the board to maintain a Tier II in Unit 19A

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Proposal 53: ANS options

GMU 19A	2020 US Census	est. moose per capita	total
Aniak	513	0.15	77
Chuathbaluk	103	0.2	21
Crooked Creek	90	0.2	18
Lower Kalskag	278	0.2	56
Unit 18 ¹	16		16
Subtotal			187
GMU 19E			
Red Devil	22	0.2	4
Sleetmute	95	0.2	19
Stony River	57	0.2	11
Upper Kalskag	216	0.2	43
Unit 18 ¹	44		44
Subtotal			122
GMU 19A/E Subtotal	1434		309
GMU 19A ANS ²			160 - 210
GMU 19E ANS ²			110 - 140
¹ Average harvest by Unit 18 hunters, 1991 - 2005			
² 12.5% variance, rounded			
Note: does not include harvest by other state residents			



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Proposal 53: ANS options, cont.

Option B	New ANS Range if adopted	Possible implications of this change
<ul style="list-style-type: none">Recalculate ANS using the 2002 method and updated demographic and harvest data for Unit 19A and 19E	ANS for Unit 19A: 160 - 210	<ul style="list-style-type: none">More reflective of harvest patterns in times of no restrictionsMay have implications for the Tier II in 19A

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Proposal 53: ANS options, cont.

Option C	Implications
<ul style="list-style-type: none">No change for ANS in Unit 19A/E	<ul style="list-style-type: none">Current nested ANS considers factors addressed in 1992 and 2002Maintain continuity with the geographical area for which the nested ANS was createdMay result in continued requests by the public to revisit the ANS

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Proposal 54: Department Comments

Proposal 54: Revisit the Amount Necessary for Subsistence for Moose in Unit 19

- Remove 19E remainder from the nested ANS of 175-225 and include in Unit wide ANS of 400-700 moose
- The Department is NEUTRAL on this proposal because it is allocative.
- Clear board intent at the Statewide 2022 meeting to reevaluate the ANS for moose in 19E at this meeting

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Proposal 54: Possible ANS alternatives, cont.

Option A	Implications
<ul style="list-style-type: none">• Include 19E in the remainder of the unit-wide ANS of 400-700 (outside of the LVMA)	<ul style="list-style-type: none">• Provides management flexibility in 19E• May affect Tier II management in 19A• ANS as follows: 400-700, including 175-225 in (the new, smaller) 19A and 20-24 in 19B (leaving 205-451 in the remainder applied to 19C, D, E)

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Proposal 54: Possible ANS alternatives, cont.

GMU 19A	2020 US Census	est. moose per capita	total
Aniak	513	0.15	77
Chuathbaluk	103	0.2	21
Crooked Creek	90	0.2	18
Lower Kalskag	278	0.2	56
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Subtotal			187
GMU 19E			
Red Devil	22	0.2	4
Sleetmute	95	0.2	19
Stony River	57	0.2	11
Upper Kalskag	216	0.2	43
Unit 18 ¹	44		44
Subtotal			122
GMU 19A/E Subtotal	1434		309
GMU 19A ANS ²			160 - 210
GMU 19E ANS ²			110 - 140

¹ Average harvest by Unit 18 hunters, 1991 - 2005
² 12.5% variance, rounded
Note: does not include harvest by other state residents

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Proposal 54: Possible ANS alternatives, cont.

Option B	New ANS Range if adopted	Possible implications of this change
<ul style="list-style-type: none">Recalculate ANS using the 2002 method and updated demographic and harvest data for Unit 19A and Unit 19E	ANS for Unit 19E: 110 - 140	<ul style="list-style-type: none">More reflective of harvest patterns in times of no restrictionsMay have implications for hunt structure in 19E

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Proposal 54: Possible ANS alternatives, cont.

Option C	Implications
<ul style="list-style-type: none">No change for ANS in Unit 19A/E	<ul style="list-style-type: none">Current ANS considers factors addressed in 1992 and 2002Maintain continuity with the geographical area for which the nested ANS was createdMay result in continued requests by the public to revisit the ANS

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Conclusions

- Complex history of ANS in Unit 19
- Two distinct moose populations and hunt structures
- High degree of public interest and involvement in moose management

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Proposal 55

19C IM

■ Effect of the proposal

■ Establish a positive IM finding for moose in Unit 19C

■ Department recommendation

■ Neutral

■ McGrath AC proposal

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Proposal 55

19C IM

■ Current regulations 5 AAC 92.108

■ Unit 19C moose (negative)

■ Proposed regulations 5 AAC 92.108

■ Unit 19C moose (positive)

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Proposal 55

19C IM

Background

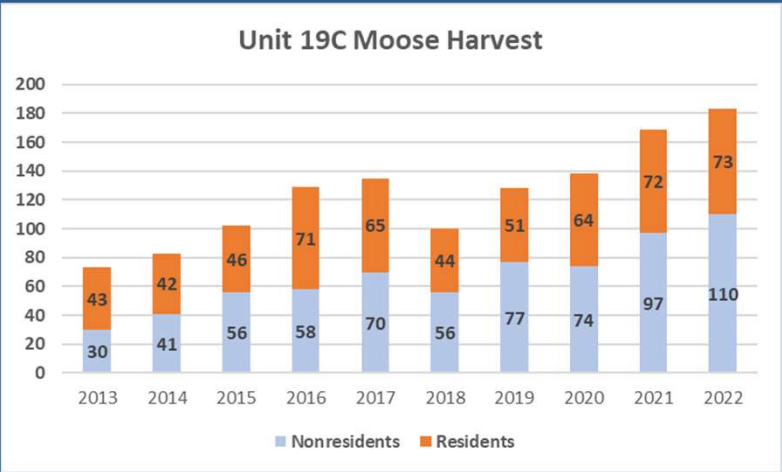
- Unit 19C accessible by air
- Registration permit Farewell area (residents)
- RY24 Draw permit Farewell area (nonresidents)
- Harvest ticket Unit 19C remainder (both)

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Proposal 55

19C IM



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Proposal 55

19C IM

Winter Hunt RM655

■ In addition to the fall hunting season there is also a winter moose hunt RM655

■ February 1 – February 28

■ Bag limit any bull

■ No aircraft allowed

■ Only 6 moose harvested in last 10 years

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Proposal 55

19C IM

Year	Percent Calves	Calves: 100 cows	Bull: 100 Cow
2017	17%	28:100	38:100
2018	13%	20:100	40:100
2020	13%	19:100	33:100
2021	11%	16:100	25:100
2022	12%	17:100	28:100
2023	6%	9:100	28:100

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Proposal 55

19C IM

- Effect of the proposal
 - Establish a positive IM finding for moose in Unit 19C
- Department recommendation
 - Neutral
- McGrath AC proposal

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Proposal 56

5 AAC 92.108

- Effect of the proposal
 - Create separate moose IM objectives for Units 19A and 19B and establish IM objectives for Unit 19E
- Department recommendation
 - Support with amendments to include specific population and harvest objectives for units 19A, 19B and 19E
- Department proposal

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Proposal 56

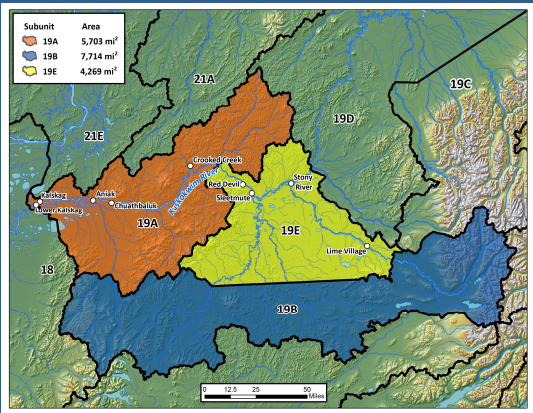
5 AAC 92.108

Background

- Original IM objectives for Units 19A and 19B combined
- 2021 board split Unit 19A into 19A and 19E
- Created various administrative errors including 5 AAC 92.108
- This proposal seeks to clarify IM objectives

Proposal 56

5 AAC 92.108



Proposal 56

5 AAC 92.108

■

Current regulations 5 AAC 92.108

	Finding	Population Objective	Harvest Objective
19(A) and 19(B)	Positive	13,500 - 16,500	750 – 950
GMU 19(C)	Negative		
GMU 19(D)-East	Positive	6,000 - 8,000	400 – 600
GMU 19(D)-remainder	Positive	4,000 - 6,000	250 – 600

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Proposal 56

5 AAC 92.108

■

Proposed regulations 5 AAC 92.108

	Finding	Population Objective	Harvest Objective
GMU 19(A)	Positive	4,300 – 5,300	175-225
GMU 19(B)	Positive	5,900 – 7,200	235 - 290
GMU 19(C)	Negative		
GMU 19(D)-East	Positive	6,000 - 8,000	400 – 600
GMU 19(D)-remainder	Positive	4,000 - 6,000	250 – 600
GMU 19(E)	Positive	3,300 - 4,000	130 - 160

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Proposal 56

5 AAC 92.108

■ Unit 19A Moose

■ Current estimate 5,510 moose (1 moose/mi²)

■ Tier II hunt TM680

■ 200 permits issued annually

■ Federal permit FM1901

■ Up to 100 permits issued annually

■ 10-year average harvest 135 moose per year

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Proposal 56

5 AAC 92.108

■ Unit 19B Moose

■ Current estimate 4,600 moose (0.6 moose/mi²)

■ General season harvest ticket

■ Residents and nonresidents

■ 10-year average harvest 32 moose per year

■ 7 taken by residents per year

■ 25 taken by nonresidents per year

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Proposal 565 AAC 92.108■ Unit 19E Moose

- Current estimate 2,924 moose (0.7 moose/mi²)
- Registration permit RM682
 - 30 permits issued annually
- Tier II permit TM684
 - 14 permits issued annually
- RM682 average harvest 7 moose per year
- 10-year average TM684 harvest 2 moose per year

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Proposal 565 AAC 92.108■ Effect of the proposal

- Create separate IM objectives for Units 19A and 19B and establish IM objectives for Unit 19E

■ Department recommendation

- Support with amendments to include specific population and harvest objectives for each subunit

■ Department proposal

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Proposal 57

19E IM

■ Effect of the proposal

■ Fix administrative errors in 5 AAC 92.123 created by 19A split

■ Update IM population and harvest objectives

■ Extend plan until June 30, 2030

■ Department recommendation

■ Support

■ Department proposal

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Proposal 57

19E

IM

Background

■ 2021 board split Unit 19A into 19A and 19E

■ Created various administrative errors including 5 AAC 92.123

■ Plan expires June 30, 2026

■ COVID caused a disruption in regular board cycle

■ Plan is now out of cycle

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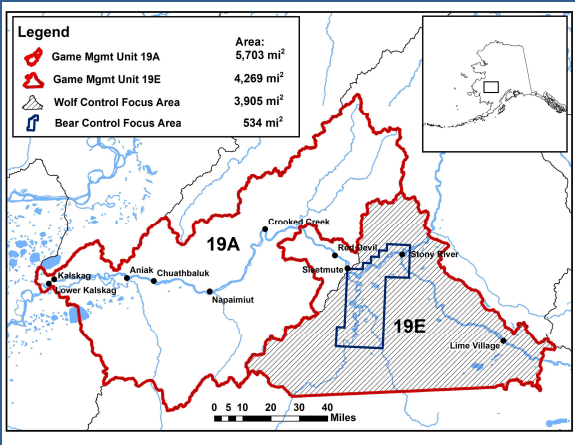
Proposal 57

19E IM

- 2004 wolf predation control plan in 19A and 19B
- 2006 revised to include just 19A
- 2009 reauthorized in just eastern 19A (now 19E)
- 2012 amended to include department conducted bear control
- 2014 reauthorized for 6 years
- 2020 reauthorized for 6 years (expires June 30, 2026)

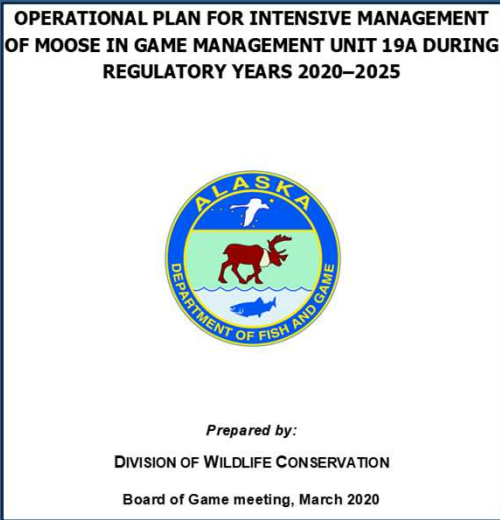
Proposal 57

19E IM



Proposal 57

19E IM

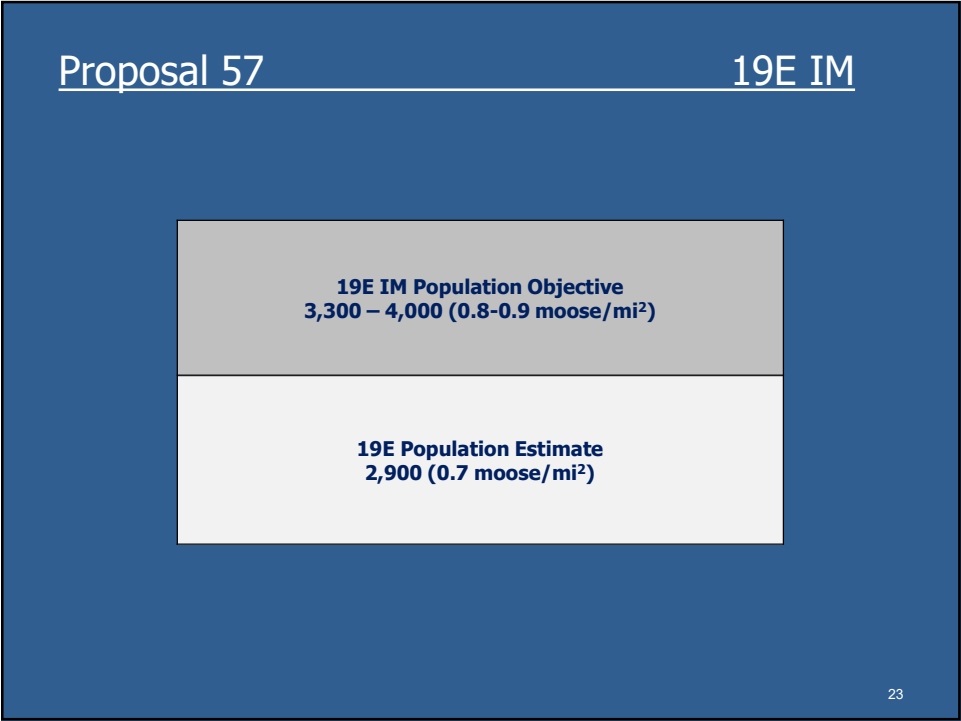


Proposal 57

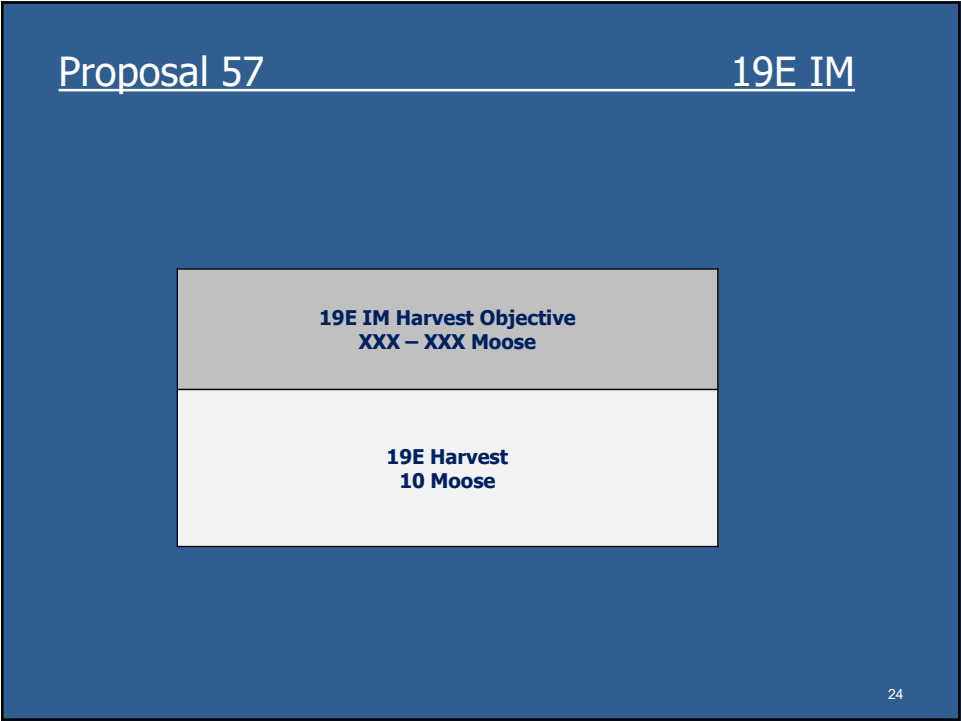
19E IM

Background

- Wolf Control Focus Area population objective 3,905 moose
 - 2023 Estimate 2,706
- Wolf Control Focus Area harvest objective 155 moose
 - Current harvest 10 moose
 - Very restrictive hunt structure

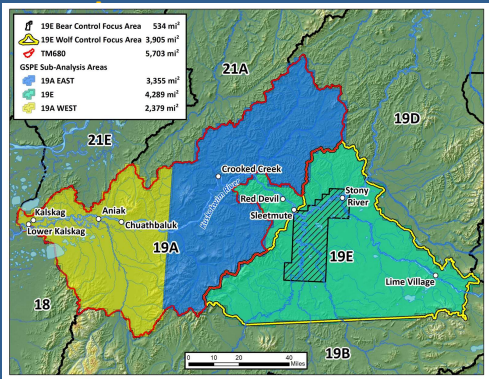


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19A/E Moose Survey



19E Moose Survey Data

Year	Moose	Moose/mi ²
2005	1,285	0.3
2008	1,715	0.4
2011	1,715	0.4
2017	2,165	0.5
2020	2,852	0.7
2023	2,924	0.7

Proposal 57

19E IM

Composition Data Unit 19E BCFA

Year	Calves:100 cows	Bulls: 100cows
2010	19	48
2011	31	38
2013	50	55
2016	55	58
2017	34	36
2018	40	52
2019	21	40
2021	24	63
2022	29	40
2023	28	48

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Proposal 57

19E IM

Twinning Data Unit 19E BCFA

Year	N	Singletons	Twins	Twinning Rate
2013	41	18	23	56%
2014	48	18	30	63%
2018	40	14	26	65%
2-year average				64%

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Proposal 57

19E IM

Pre-control Wolf population

- 150 wolves in 19A and 19E in 2006
 - 75 in 19E wolf control focus area

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Proposal 57

19E IM

Wolf objectives

- Reduce wolves by at least 60 – 80% in the WCFA
- Only removing wolves from the WCFA will ensure wolves persist in Units 19A and 19E

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Proposal 57

19E IM

Wolf take within the WCFA

RY	Hunting Trapping	Wolf control	Total removal
2018	2	8	10
2019	0	12	12
2020	2	21	23
2021	1	3	4
2022	1	26	27

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Proposal 57

19E IM

Black bear population 19E

	Population estimate
19E	750
BCFA (pre-control)	92 – 102

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Proposal 57

19E IM

Grizzly bear population 19E

	Population Estimate
19E	50
BCFA (pre-control)	10 – 15

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Proposal 57

19E IM

Bear removals Unit 19E BCFA

Year	Black Bear	Grizzly Bear
2013	84	5
2014	54	10

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Proposal 57

19E IM

Black bear take from the BCFA

RY	Hunting
2018	0
2019	0
2020	1
2021	0
2022	1

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Proposal 57

19E IM

Grizzly bear take from the BCFA

RY	Hunting
2018	0
2019	0
2020	0
2021	1
2022	1

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Proposal 57

19E IM

- Effect of the proposal
 - Fix administrative errors in 5 AAC 92.123 created by 19A split
 - Update IM population and harvest objectives
 - Extend plan until June 30, 2030
- Department recommendation
 - Support
- Department proposal

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Proposal 58

19A IM

- Effect of the proposal
 - Authorize a predation control program in Unit 19A
- Department recommendation
 - Support
- Department proposal

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Proposal 58

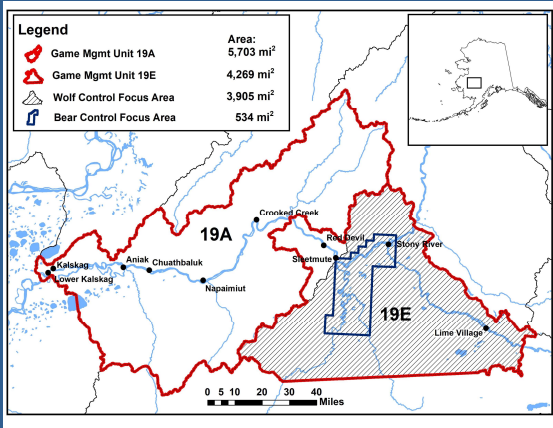
19A IM

- 2004 wolf predation control plan in 19A and 19B
- 2006 revised to include just 19A
- 2009 reauthorized in eastern 19A
- 2020 board passed proposal 205
- 2021 board split 19A into 19A and 19E



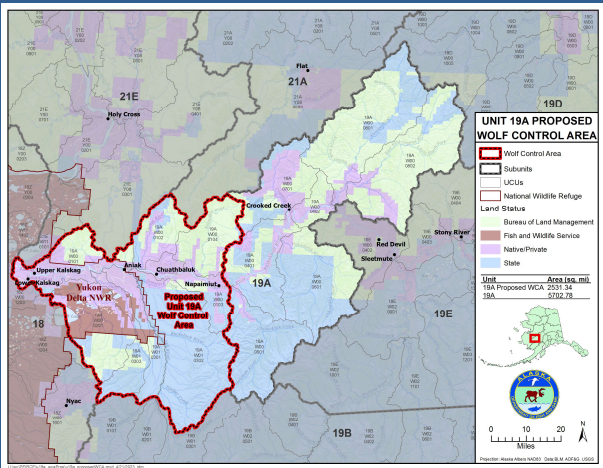
Proposal 58

19A IM



Proposal 58

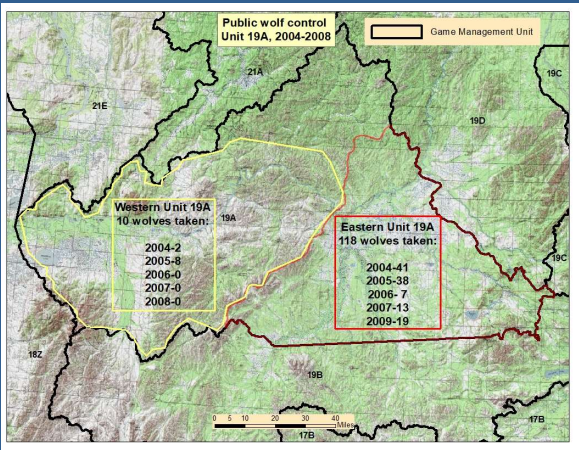
19A IM



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Proposal 58

19A IM



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Proposal 58

19A IM

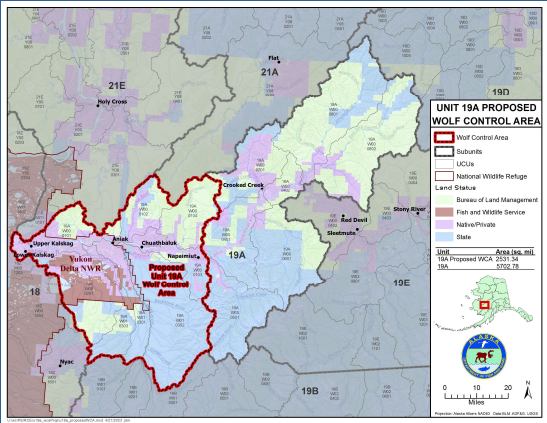
Reasons wolf control did not work in 19A
-It's not just one thing-

- 1. Land ownership
- 2. Topography
- 3. Weather and snow conditions
- 4. Logistics

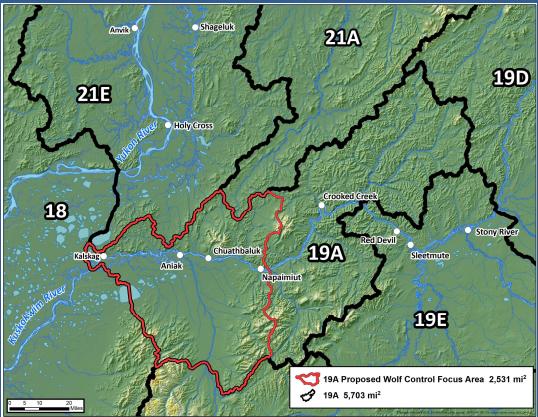
Proposal 58

19A IM

1. Land Status



2. Topography



3. Weather and snow conditions



Proposal 58

19A IM

4. Logistics

■ long way to Aniak

■ high fuel costs

■ Lodging/meals difficult to find

■ tie downs and electricity

■ Difficult to get pilot participation

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Proposal 58

19A IM

19A IM Population Objective

4,300 – 5,300 (0.8-0.9 moose/mi²)

19A Population Estimate

5,510 (1.0 moose/mi²)

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Proposal 58

19A IM

19A IM Harvest Objective
240 – 300 Moose

19A Harvest RY19 – RY23
135 Moose

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Proposal 58

19A IM

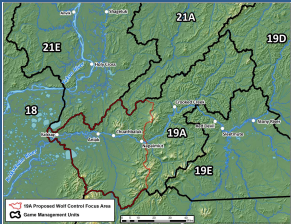
TM680 Survey Results

■ 2010 Proposed WCFA 0.4 moose/mi²

■ 2023 Proposed WCFA 1.7 moose/mi²

■ 2010 TM680 0.3 moose/mi²

■ 2023 TM680 1.0 moose/mi²



The map displays the 19A IM area, which is a sub-unit of the larger 19A management unit. It shows the boundaries of the 19A IM area and its surrounding units, including 18, 19D, 19E, 21A, and 21E. The map also shows the location of the 19A IM area relative to the 19A management unit. A legend in the bottom left corner identifies the 19A IM area as the '19A IM Proposed Wolf Control Force Area' and the 19A management unit as the '19A Management Unit'.

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Proposal 58

19A IM

IM Plan Moose Objectives

- Population Objective 2,500 moose
 - 1 moose/mi² in WCFA
- Harvest Objective
 - 100 moose from WCFA

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Proposal 58

19A IM

Twinning rate guidelines

- When above 20% - promote growth
- When 15 – 20% - stabilize population
- When below 15% - reduce population

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Proposal 58

19A IM

Pre-control Wolf population

- 85 wolves in 19A in 2006
 - 50 in wolf control focus area

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Proposal 58

19A IM

Wolf objectives

- Reduce wolves by at least 60 – 80% in the WCFA
- Only removing wolves from the WCFA will ensure wolves persist in Unit 19A

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Proposal 58

19A IM

Wolf take within the WCFA

- RY19 – RY23 trappers have harvested 4 wolves/year.

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Proposal 58

19A IM

■ Summary:

- Areas of federal land which are not accessible
- Weather and snow are typically not good in this area
- Pilot availability may be a significant challenge
- Moose population currently above objective
- Overall feasibility assessment for success **LOW**

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Proposal 58

19A IM

- Effect of the proposal
 - Authorize a predation control program in Unit 19A
- Department recommendation
 - Support
- Department proposal

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Proposal 59

19A Moose

- Effect of the proposal
 - Lengthen the season dates for TM680
- Department recommendation
 - Support
- Central Kuskokwim AC proposal

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Proposal 59

19A Moose

Current Regulations/Proposed Regulations

- Unit 19A
 - Sept 1 – Sept 20/Aug 25 – Sept 20
 - 1 antlered bull
 - Tier II permit TM680
 - Up to 300 permits

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Proposal 59

19A Moose

Harvest Summary

- State Hunt 200 Permits (TM680)
 - Average 96 bulls/year RY19 – RY23
- Federal Hunt up to 100 Permits (FM1901)
 - Average 28 bulls/year RY19 – RY22
- Mortuary Moose Harvest
 - Average 10 moose/year
- 135 moose harvested per year

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Proposal 59

19A Moose

2023 GSPE Population Results

Area	Total Area	Total Moose (w/SCF)	Density	Harvestable Surplus
TM680	5,704 mi²	5,510	0.96	220

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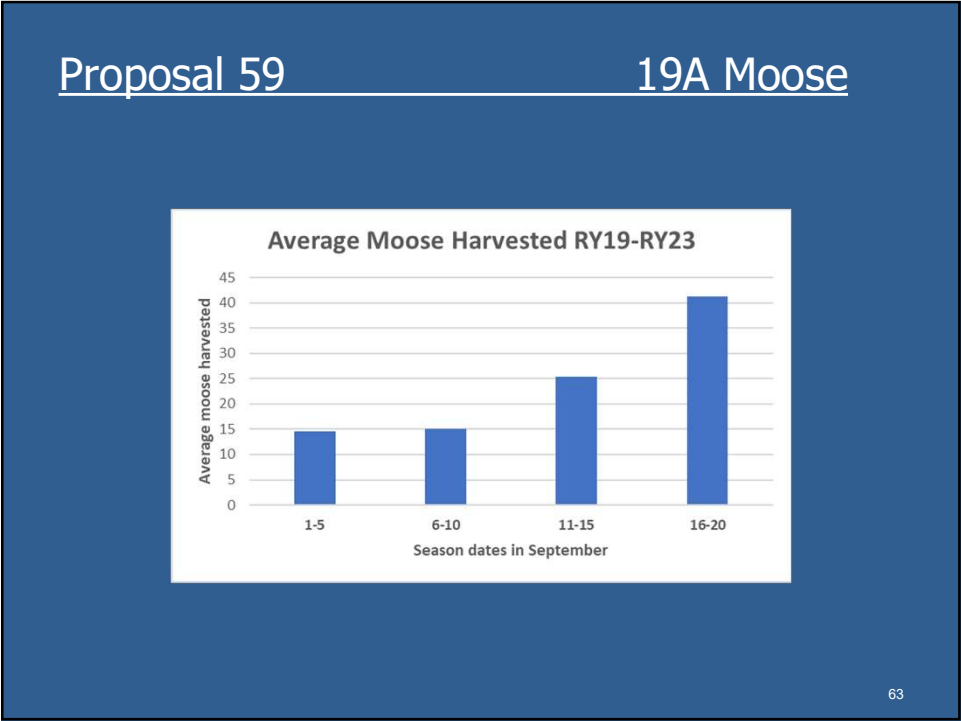
Proposal 59

19A Moose

Moose Composition Data

Year	Percent Calves	Calves: 100 cows	Bulls: 100 Cows
2016	30%	52:100	22:100
2017	35%	64:100	20:100
2018	18%	28:100	26:100
2022	30%	48:100	10:100

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- Proposal 59

19A Moose
- Major Points

 - Currently harvesting 135 moose per year
 - Harvestable surplus 220 moose per year
 - 2022 bull:cow ratio 10:100
 - 2022 calf:cow 48:100
 - Additional harvest with an earlier season would be small
- 64

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Proposal 59

19A Moose

- Effect of the proposal
 - Lengthen the season dates for TM680
- Department recommendation
 - Support
- Central Kuskokwim AC proposal

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Proposal 60

19C IM

- Effect of the proposal
 - Authorize a wolf control program in Unit 19C beginning RY24
- Department recommendation
 - Neutral
- McGrath AC proposal

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Proposal 60

19C IM

■ Current regulations

■ Negative finding for moose in Unit 19C

■ No IM population or harvest objectives

■ Proposed regulations

■ Authorize aerial wolf control in RY24

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Proposal 60

19C IM

Background

■ Unit 19C accessible by air

■ Registration permit Farewell area (residents)

■ Draw permit Farewell area (nonresidents)

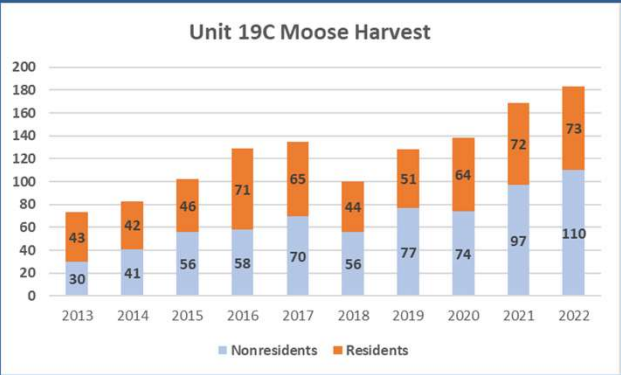
■ Harvest ticket Unit 19C remainder (both)

68

68

Proposal 60

19C IM



69

69

Proposal 60

19C IM

Winter Hunt RM655

- In addition to the fall hunting season there is also a winter moose hunt RM655
 - February 1 – February 28
 - Bag limit any bull
 - No aircraft allowed
- Only 6 moose harvested in last 10 years

70

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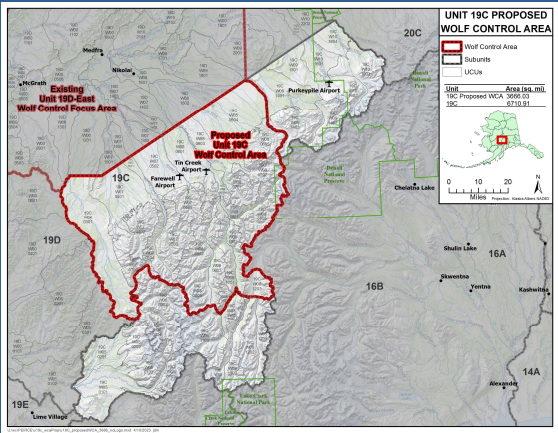
Proposal 60

19C IM

Year	Percent Calves	Calves: 100 cows	Bull: 100 Cow
2017	17%	28:100	38:100
2018	13%	20:100	40:100
2020	13%	19:100	33:100
2021	11%	16:100	25:100
2022	12%	17:100	28:100
2023	6%	9:100	28:100

Proposal 60

19C IM



Proposal 60

19C IM

Pre-control predator populations

- No wolf surveys have been conducted in Unit 19C
- Estimate 135 wolves in 19C

73

73

Proposal 60

19C IM

Wolf take in Unit 19C

- RY19 – RY23 68 wolves total
 - 49 hunters
 - 19 trappers

74

74

Proposal 60

19C IM

■ Summary:

- Very little data available for moose and predators
- Uncertain status of moose in Unit 19C
- Addition of a 19C IM program would require significant amounts of additional data collection
- Moose are transitory
- Bear predation likely a significant factor
- Wolf control alone may not significantly improve survival
- Will need to develop a feasibility assessment and operation plan

75

75

Proposal 60

19C IM

■ Effect of the proposal

- Authorize a wolf control program in Unit 19C beginning RY24

■ Department recommendation

- Neutral

■ McGrath AC proposal

76

76

Proposal 61

19C IM

- Effect of the proposal
 - Adopt an intensive management plan in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

77

77

Proposal 61

19C IM

- Current regulations
 - Negative finding for moose in Unit 19C
 - No IM population or harvest objectives
- Proposed regulations
 - Adopt an intensive management plan in Unit 19C
 - Authorize take of wolves using aircraft

78

78

Proposal 61

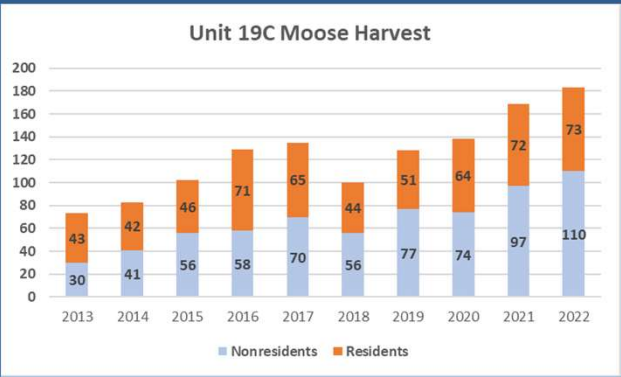
19C IM

Background

- Unit 19C accessible by air
- Registration permit Farewell area (residents)
- Draw permit Farewell area (nonresidents)
- Harvest ticket Unit 19C remainder (both)

Proposal 61

19C IM



Proposal 61

19C IM

Winter Hunt RM655

- In addition to the fall hunting season there is also a winter moose hunt RM655
 - February 1 – February 28
 - Bag limit any bull
 - No aircraft allowed
- Only 6 moose harvested in last 10 years

81

81

Proposal 61

19C IM

Year	Percent Calves	Calves: 100 cows	Bull: 100 Cow
2017	17%	28:100	38:100
2018	13%	20:100	40:100
2020	13%	19:100	33:100
2021	11%	16:100	25:100
2022	12%	17:100	28:100
2023	6%	9:100	28:100

82

82

Proposal 61

19C IM

Pre-control predator populations

- No wolf surveys have been conducted in Unit 19C
- Estimate 135 wolves in 19C

83

83

Proposal 61

19C IM

Wolf take in Unit 19C

- RY19 – RY23 68 wolves total
 - 49 hunters
 - 19 trappers

84

84

Proposal 61

19C IM

■ Summary:

- Very little data available for moose and predators
- Uncertain status of moose in Unit 19C
- Addition of a 19C IM program would require significant amounts of additional data collection
- Moose are transitory
- Bear predation likely a significant factor
- Wolf control alone may not significantly improve survival
- Will need to develop a feasibility assessment and operation plan

85

85

Proposal 61

19C IM

■ Effect of the proposal

- Adopt an intensive management plan in Unit 19C

■ Department recommendation

- Neutral

■ Public proposal

86

86

Proposal 62

19C IM

- Effect of the proposal
 - Authorize a wolf control program in Unit 19C for a 10-year period
- Department recommendation
 - Neutral
- Public proposal

87

87

Proposal 62

19C IM

- Current regulations
 - Negative finding for moose in Unit 19C
 - No IM population or harvest objectives
- Proposed regulations
 - Authorize aerial wolf control in RY24

88

88

Proposal 62

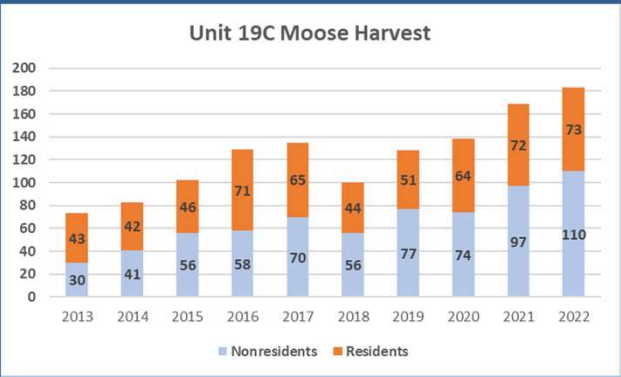
19C IM

Background

- Unit 19C accessible by air
- Registration permit Farewell area (residents)
- Draw permit Farewell area (nonresidents)
- Harvest ticket Unit 19C remainder (both)

Proposal 62

19C IM



Proposal 62

19C IM

Winter Hunt RM655

■ In addition to the fall hunting season there is also a winter moose hunt RM655

■ February 1 – February 28

■ Bag limit any bull

■ No aircraft allowed

■ Only 6 moose harvested in last 10 years

91

91

Proposal 62

19C IM

Year	Percent Calves	Calves: 100 cows	Bull: 100 Cow
2017	17%	28:100	38:100
2018	13%	20:100	40:100
2020	13%	19:100	33:100
2021	11%	16:100	25:100
2022	12%	17:100	28:100
2023	6%	9:100	28:100

92

92

Proposal 62

19C IM

Pre-control predator populations

- No wolf surveys have been conducted in Unit 19C
- Estimate 135 wolves in 19C

93

93

Proposal 62

19C IM

Wolf take in Unit 19C

- RY19 – RY23 68 wolves total
 - 49 hunters
 - 19 trappers

94

94

Proposal 62

19C IM

■ Summary:

- Very little data available for moose and predators
- Uncertain status of moose in Unit 19C
- Addition of a 19C IM program would require significant amounts of additional data collection
- Moose are transitory
- Bear predation likely a significant factor
- Wolf control alone may not significantly improve survival
- Will need to develop a feasibility assessment and operation plan

95

95

Proposal 62

19C IM

■ Effect of the proposal

- Authorize a wolf control program in Unit 19C for a 10-year period

■ Department recommendation

- Neutral

■ Public proposal

96

96

Proposal 6319C Moose

- Effect of the proposal
 - Create a nonresident draw hunt for moose in the Farewell hunt area with up to 20 permits, reduce season dates for all hunters.
- Department recommendation
 - Neutral on number of draw permits, Opposed to shorter season
- Public proposal

97

97

Proposal 6319C Moose

- Current regulations Farewell area
 - Sept 1 – Sept 20
 - Residents (RM653) 50" or 4 brow tines or spike/fork
 - Nonresidents (DM667 up to 100) 50" or 4 brow tines
- Proposed regulations Farewell area
 - Sept 8 – Sept 17
 - Residents (RM653) 50" or 4 brow tines or spike/fork
 - Nonresidents (DM667 up to 20) 50" or 4 brow tines

98

98

Proposal 63

19C Moose

Amounts Necessary for Subsistence

■ Unit 19 outside the LVMA 400-700 moose including:

■ 175-225 in Unit 19A

■ 20-24 in Unit 19B

99

Proposal 63

19C Moose

Topographic map of the 19C Moose area. The map shows various units: 19D, 19C, 19E, 19B, 16A, and 16B. A yellow polygon highlights the DM667/RM653 area (382 sq. mi.). A red outline indicates the 19C area (6,711 sq. mi.).

100

Proposal 63

19C Moose

Background

- Farewell hunt area very popular
- Unique combination of good access, an extensive trail network and a high density of moose
- Attracts large numbers of hunters

101

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Proposal 63

19C Moose

Brief Regulatory History

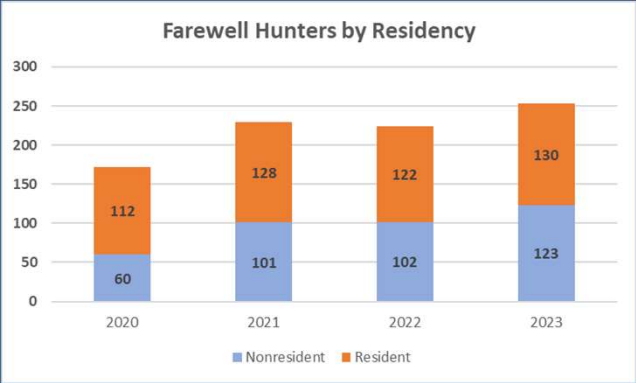
- 2002 season shortened 5 days from Sept 25th to Sept 20th
- 2004 resident bag limit changed from any bull to 50" or 4 brow tines, or spike/fork
- 2020 Farewell area changed from a harvest ticket to a registration permit to improve harvest reporting
- 2023 RM653 for nonresidents switched to a draw DM667

102

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Proposal 63

19C Moose

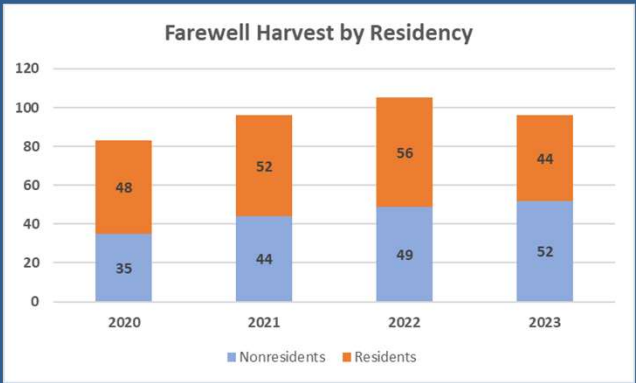


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Proposal 63

19C Moose

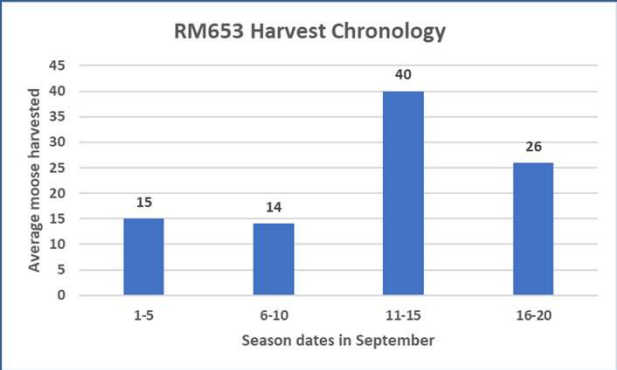


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Proposal 63

19C Moose



105

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Proposal 63

19C Moose

Winter Hunt RM655

- In addition to the fall hunting season there is also a winter moose hunt RM655
 - February 1 – February 28
 - Bag limit any bull
 - No aircraft allowed
- Only 6 moose harvested in last 10 years

106

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Proposal 63

19C Moose

Year	Percent Calves	Calves: 100 cows	Bull: 100 Cow
2017	17%	28:100	38:100
2018	13%	20:100	40:100
2020	13%	19:100	33:100
2021	11%	16:100	25:100
2022	12%	17:100	28:100
2023	6%	9:100	28:100

107

107

Proposal 63

19C Moose

■ Points to consider:

■ Bull cow ratios below management objective 30:100

■ Bulls are very susceptible to harvest in this area

■ A draw hunt already exists for nonresidents

■ Only 20 DM667 permits will be issued in RY24

■ This will likely result in a 35% reduction in harvest

■ Should improve the bull cow ratio and reduce crowding

108

108

Proposal 63

19C Moose

- Effect of the proposal
 - Create a nonresident draw hunt for moose in the Farewell hunt area with up to 20 permits, reduce season dates for all hunters.
- Department recommendation
 - Neutral on number of draw permits, Opposed to shorter season
- Public proposal

109

109

Proposal 64

19C Moose

- Effect of the proposal
 - Create a draw hunt for residents (up to 100)
 - Create a draw hunt for nonresidents
 - Up to 14 unguided and 6 guided
 - Require a nonresident orientation for unguided hunters
- Department recommendation
 - Neutral
- Public proposal

110

110

Proposal 64

19C Moose

■ Current regulations Farewell area

■ Sept 1 – Sept 20

■ Residents (RM653) 50" or 4 brow tines or spike/fork

■ Nonresidents (DM667 up to 100) 50" or 4 brow tines

111

111

Proposal 64

19C Moose

Amounts Necessary for Subsistence

■ Unit 19 outside the LVMA 400-700 moose including:

■ 175-225 in Unit 19A

■ 20-24 in Unit 19B

112

112

Proposal 64

19C Moose

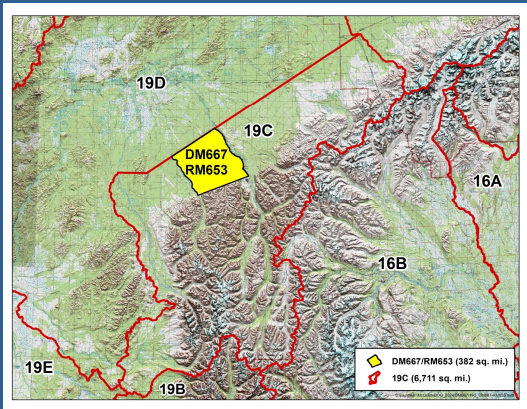
- Proposed regulations Farewell area
 - Sept 1 – Sept 20
 - Residents
 - Draw Permit with up to 100 issued
 - 50" or 4 brow tines or spike/fork
 - Nonresidents
 - Draw Permit with up to 14 unguided and 6 guided
 - Orientation for unguided moose hunters
 - 50" or 4 brow tines

113

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Proposal 64

19C Moose



114

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Proposal 64

19C Moose

Background

- Farewell hunt area very popular
- Unique combination of good access, an extensive trail network and a high density of moose
- Attracts large numbers of hunters

115

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Proposal 64

19C Moose

Brief Regulatory History

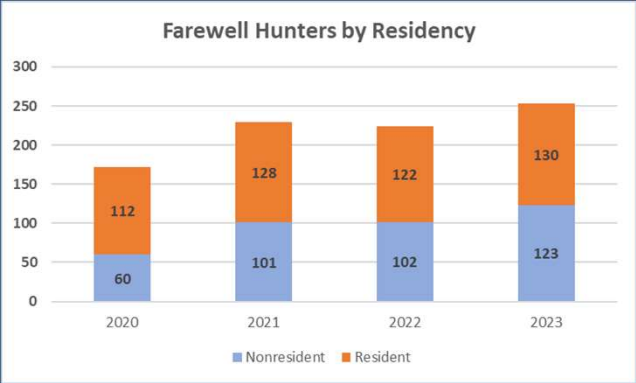
- 2002 season shortened 5 days from Sept 25th to Sept 20th
- 2004 resident bag limit changed from any bull to 50" or 4 brow tines, or spike/fork
- 2020 Farewell area changed from a harvest ticket to a registration permit to improve harvest reporting
- 2023 RM653 for nonresidents switched to a draw DM667

116

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Proposal 64

19C Moose

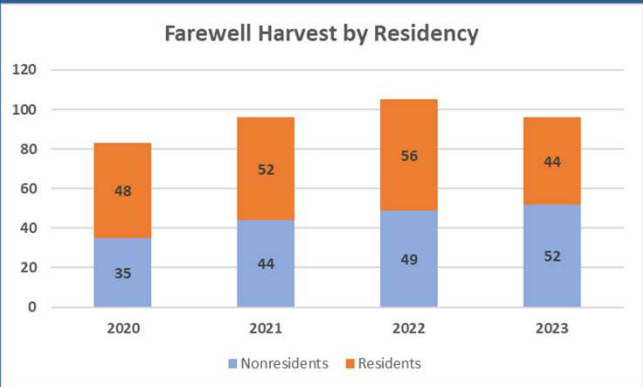


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Proposal 64

19C Moose



118

118

Proposal 64

19C Moose

Winter Hunt RM655

■ In addition to the fall hunting season there is also a winter moose hunt RM655

■ February 1 – February 28

■ Bag limit any bull

■ No aircraft allowed

■ Only 6 moose harvested in last 10 years

119

119

Proposal 64

19C Moose

Year	Percent Calves	Calves: 100 cows	Bull: 100 Cow
2017	17%	28:100	38:100
2018	13%	20:100	40:100
2020	13%	19:100	33:100
2021	11%	16:100	25:100
2022	12%	17:100	28:100
2023	6%	9:100	28:100

120

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Proposal 6419C Moose■ Points to consider:

- Bull cow ratios below management objective 30:100
- Bulls are very susceptible to harvest in this area
- A draw hunt already exists for nonresidents
- Only 20 DM667 permits will be issued in RY24
- Will likely result in a 35% reduction in harvest
- Should improve the bull cow ratio and reduce crowding
- This proposal would complicate NR draw hunt structure

121

121

Proposal 6419C Moose■ Effect of the proposal

- Create a draw hunt for residents (up to 100)
- Create a draw hunt for nonresidents
 - Up to 14 unguided and 6 guided
- Require a nonresident orientation for unguided hunters

■ Department recommendation

- Neutral

■ Public proposal

122

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Proposal 65

19D IM

■ Effect of the proposal

■ Extend the 19D IM plan through June 30, 2030

■ Department recommendation

■ Support

■ Department proposal

123

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Proposal 65

19D IM

■ The current 19D IM plan expires June 30, 2026

■ Region III 2023 BOG meeting delayed due to covid

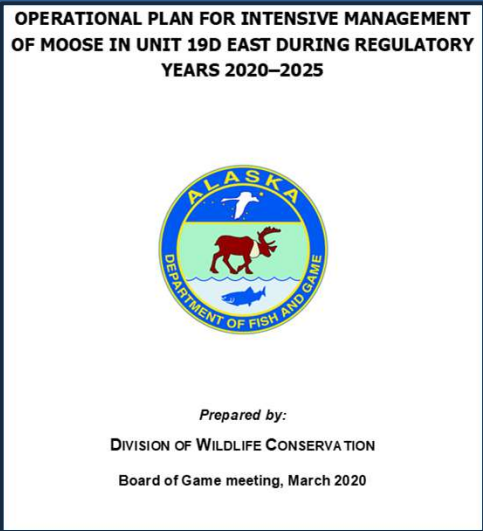
■ Plan is now out of cycle

124

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Proposal 65

19D IM



125

125

Proposal 65

19D IM

Background

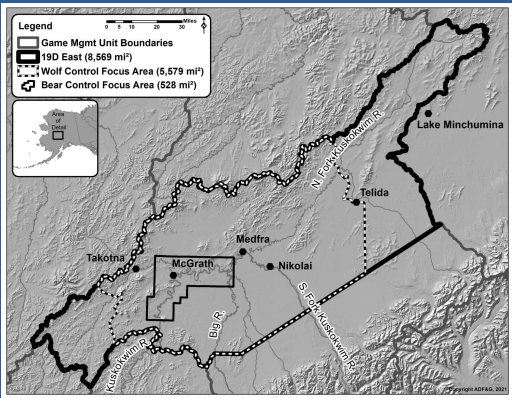
- Wolf predation control plan adopted 1995
- Department bear removals in 2003–2004
- Public bear snaring 2009-2014
- Aerial wolf control 2003 – present

126

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Proposal 65

19D IM



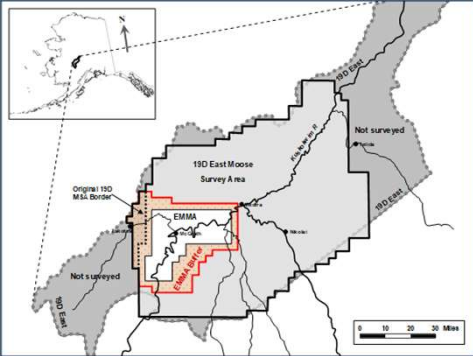
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Proposal 65

19D IM

19D East Moose Survey Areas



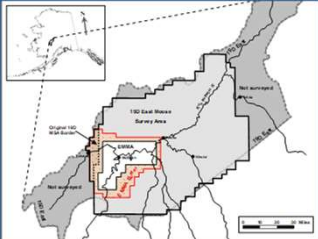
128

128

Proposal 65

19D IM

19D East MSA Data



Year	Estimate with SCF applied	Calves: 100 cows	Bulls: 100 cows	Total moose/mi ²
2001	2,564 (±726)	25 (±10)	34 (±17)	0.5
2004	2,744 (±661)	54 (±20)	31 (±13)	0.5
2008	3,889 (±959)	41 (±15)	55 (±22)	0.7
2017	5,884 (±1020)	37 (±12)	39 (±13)	1.1

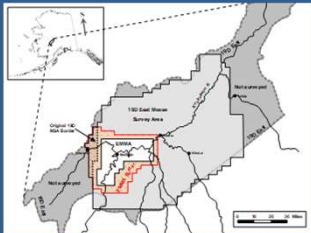
129

129

Proposal 65

19D IM

Expanded EMMA Moose Data



Year	Estimate with SCF applied (90% CI)	Calves: 100 cows (90% CI)	Bulls: 100 cows (90% CI)	Total moose/mi ²
2001	868 (±147)	36 (±10)	21 (±6)	0.8
2004	1192 (±228)	66 (±18)	18 (±6)	1.1
2006	1308 (±174)	55 (±10)	30 (±8)	1.2
2007	1720 (±306)	53 (±14)	36 (±10)	1.5
2008	1718 (±352)	44 (±12)	40 (±11)	1.5
2009	1820 (±323)	38 (±10)	40 (±11)	1.6
2010	1796 (±312)	43 (±11)	49 (±13)	1.6
2011	1647 (±295)	42 (±11)	33 (±10)	1.5
2012	1337 (±256)	36 (±10)	39 (±12)	1.2
2015	2014 (±398)	41 (±12)	36 (±11)	1.8
2017	2389 (±372)	42 (±3)	31 (±6)	2.1
2019	2291 (±443)	33 (±3)	35 (±10)	2.0
2020	2201 (±414)	34 (±3)	31 (±10)	2.0
2022	2471 (±429)	39 (±3)	40 (±9)	2.2
2023	1591 (±241)	24 (±4)	34 (±6)	1.4

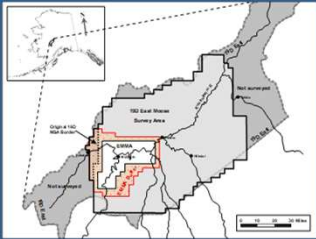
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Proposal 65

19D IM

EMMA Moose Data



Year	Estimate with SCF applied (90% CI)	Calves: 100 cows (90% CI)	Bulls:100 cows (90% CI)	Total moose/mi ²
2001	525 (±61)	34 (±6)	18 (±3)	1.0
2003	573 ^a (±138)	56 (±20)	18 (±8)	1.1
2004	674 (±104)	63 (±14)	13 (±3)	1.3
2005	621 (±79)	51 (±9)	18 (±3)	1.2
2006	692 (±67)	58 (±8)	25 (±3)	1.3
2007	883 (±129)	56 (±12)	39 (±8)	1.7
2008	758 (±191)	43 (±14)	33 (±12)	1.4
2009	830 (±174)	44 (±14)	31 (±11)	1.6
2010	793 (±154)	43 (±13)	38 (±13)	1.5
2011	835 (±170)	49 (±14)	31 (±14)	1.6
2012	612 (±131)	48 (±15)	29 (±11)	1.2
2015	955 (±216)	47 (±15)	22 (±10)	1.8
2017	1019 (±165)	47 (±3)	15 (±2)	1.9
2019	965 (±240)	44 (± 6)	21 (±15)	1.8
2020	877 (±221)	41 (±6)	17 (±17)	1.7
2022	1064 (±230)	39 (±3)	25 (±14)	2.0
2023	634 (±149)	31 (±6)	25 (±11)	1.2

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Proposal 65

19D IM

Twinning Data (EMMA)

Year	N	singletons	twins	twinning rate
2015	45	23	22	49%
2016	53	36	17	32%
2017	44	32	12	27%
2018	39	34	5	13%
2019	49	40	9	18%
2020	48	41	7	15%
2021	40	31	9	23%
2022	43	28	15	35%
2023	45	32	13	29%
2-year average				32%

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Proposal 65

19D IM

Background

- 19D east IM population objective 6,000 – 8,000
 - Within the BCFA moose declined from 1,064 in 2022 to 635 moose in 2023
 - 2017 19D East estimate was 8,540
 - If decline was similar over the entire area we are likely below the IM objective
- IM harvest objective 400 – 600 moose
 - Current harvest 125 moose

133

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Proposal 65

19D Moose

IM Plan Moose Objectives

- Density Objective WCFA
 - 1 moose/mi²
 - Current estimate 0.7 moose/mi²
- Harvest Objective
 - 225 moose from WCFA
 - Current harvest 125

134

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Proposal 65

19D IM

Wolf Population

■ 198 wolves in 19D East in 2001

■ 130 in wolf control focus area

135

135

Proposal 65

19D IM

Wolf Objectives

■ Reduce wolves by at least 60 – 80% in the WCFA

■ Only removing wolves from the WCFA will ensure wolves persist in Unit 19D East

136

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Proposal 65

19D IM

Wolf take within the WCFA

RY	Hunting Trapping	Wolf control	Total removal
2018	10	63	73
2019	12	30	42
2020	12	55	67
2021	15	39	54
2022	3	55	58

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Proposal 65

19D IM

Black bear population BCFA

Year	Estimate
2003 pre-removal	96
2004 post-removal	4
2007	70
2010	123
2013	113
2016	96

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Proposal 65

19D IM

Black bear population 19D East

	Population estimate	Population Density (bears/1,000mi ²)
19D East	1,700	200

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Proposal 65

19D IM

Black bear take from the BCFA

RY	Hunting
2018	4
2019	7
2020	5
2021	5
2022	8

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Proposal 65

19D IM

Grizzly Bear Numbers

	Population estimate	Population Density (bears/1,000mi ²)
19D East	128	15
BCFA	9	17

141

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Proposal 65

19D IM

Grizzly bear take from the BCFA

RY	Hunting
2018	0
2019	0
2020	0
2021	1
2022	2

142

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Proposal 65

19D IM

- Effect of the proposal
 - Extend the 19D IM plan through June 30, 2030
- Department recommendation
 - Support
- Department proposal

143

143

Proposal 66

19D Moose

- Effect of the proposal
 - Modify resident moose hunting season dates and permit requirements
- Department recommendation
 - Support
- McGrath AC proposal

144

144

Proposal 66

19D Moose

■ Current regulations

■ Sept 1 – Sept 25 RM650

■ Residents only

■ One antlered bull

■ Available in person within hunt area Jul 24-Aug 18

■ Sept 1 – Sept 20 Harvest ticket

■ Residents only

■ One antlered bull

■ Excluding the UKCUA

145

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Proposal 66

19D Moose

■ Proposed regulations

■ Sept 1 – Sept 30 RM650

■ Residents only

■ One antlered bull

■ Available in person within hunt area Jul 24-Aug 18

146

146

Proposal 66

19D Moose

■ Proposed regulations

■ Sept 1 – Sept 30 Harvest ticket

■ Residents only

■ Unit 19D upstream of the Selatna River, but excluding two miles on either side of the Kuskokwim River from the mouth of the Selatna River upstream to the confluence of the South Fork and the North Fork of the Kuskokwim River, and two miles either side of the South Fork of the Kuskokwim River from the mouth of the South Fork to Nikolai, and two miles either side of the Takotna River from the mouth of the Takotna River to the bridge at Takotna

■ One antlered bull

147

147

Proposal 66

19D Moose

■ Proposed regulations

■ Sept 1 – Sept 20 Harvest ticket

■ Residents only

■ Downstream of and including the Selatna River

■ One antlered bull

148

Proposal 66

19D Moose

■ Proposed regulations

■ Sept 1 – Sept 30

■ Residents only

■ Upstream of the Selatna River

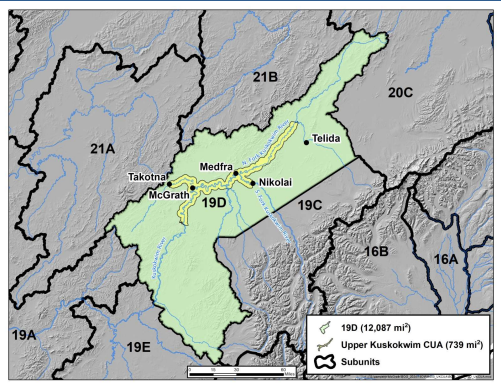
■ Draw permit for up to 20 antlerless moose

149

Proposal 66

19D Moose

Current 19D Hunt Areas

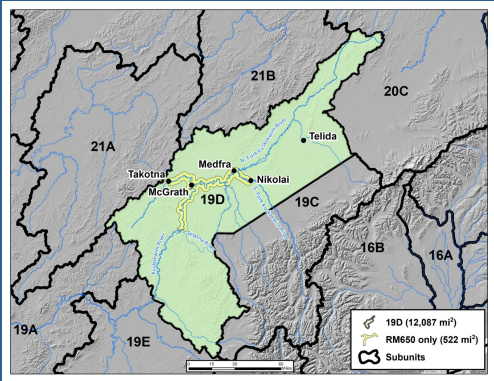


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Proposal 66

19D Moose

Proposed 19D Hunt Areas



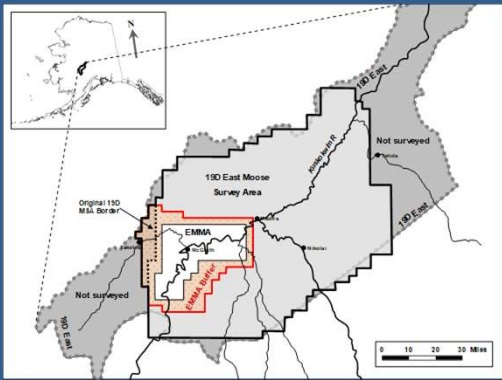
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Proposal 66

19D Moose

19D Moose Survey Areas



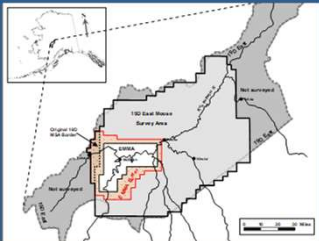
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Proposal 66

19D Moose

19D East MSA Data



Year	Estimate with SCF applied	Calves: 100 cows	Bulls: 100 cows	Total moose/mi ²
2001	2,564 (±726)	25 (±10)	34 (±17)	0.5
2004	2,744 (±661)	54 (±20)	31 (±13)	0.5
2008	3,889 (±959)	41 (±15)	55 (±22)	0.7
2017	5,884 (±1020)	37 (±12)	39 (±13)	1.1

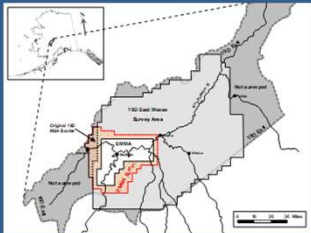
153

153

Proposal 66

19D Moose

Expanded EMMA Moose Data



Year	Estimate with SCF applied (90% CI)	Calves: 100 cows (90% CI)	Bulls: 100 cows (90% CI)	Total moose/mi ²
2001	868 (±147)	36 (±10)	21 (±6)	0.8
2004	1192 (±228)	66 (±18)	18 (±6)	1.1
2006	1308 (±174)	55 (±10)	30 (±8)	1.2
2007	1720 (±306)	53 (±14)	36 (±10)	1.5
2008	1718 (±352)	44 (±12)	40 (±11)	1.5
2009	1820 (±323)	38 (±10)	40 (±11)	1.6
2010	1796 (±312)	43 (±11)	49 (±13)	1.6
2011	1647 (±295)	42 (±11)	33 (±10)	1.5
2012	1337 (±256)	36 (±10)	39 (±12)	1.2
2015	2014 (±398)	41 (±12)	36 (±11)	1.8
2017	2389 (±372)	42 (±3)	31 (±6)	2.1
2019	2291 (±443)	33 (±3)	35 (±10)	2.0
2020	2201 (±414)	34 (±3)	31 (±10)	2.0
2022	2471 (±429)	39 (±3)	40 (±9)	2.2
2023	1591 (±241)	24 (±4)	34 (±6)	1.4

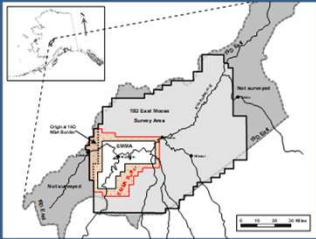
154

154

Proposal 66

19D Moose

EMMA Moose Data



Year	Estimate with SCF applied (90% CI)	Calves: 100 cows (90% CI)	Bulls:100 cows (90% CI)	Total moose/mi ²
2001	525 (±61)	34 (±6)	18 (±3)	1.0
2003	573 ^a (±138)	56 (±20)	18 (±8)	1.1
2004	674 (±104)	63 (±14)	13 (±3)	1.3
2005	621 (±79)	51 (±9)	18 (±3)	1.2
2006	692 (±67)	58 (±8)	25 (±3)	1.3
2007	883 (±129)	56 (±12)	39 (±8)	1.7
2008	758 (±191)	43 (±14)	33 (±12)	1.4
2009	830 (±174)	44 (±14)	31 (±11)	1.6
2010	793 (±154)	43 (±13)	38 (±13)	1.5
2011	835 (±170)	49 (±14)	31 (±14)	1.6
2012	612 (±131)	48 (±15)	29 (±11)	1.2
2015	955 (±216)	47 (±15)	22 (±10)	1.8
2017	1019 (±165)	47 (±3)	15 (±2)	1.9
2019	965 (±240)	44 (± 6)	21 (±15)	1.8
2020	877 (±221)	41 (±6)	17 (±17)	1.7
2022	1064 (±230)	39 (±3)	25 (±14)	2.0
2023	634 (±122)	31 (±6)	25 (±11)	1.2

155

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Proposal 66

19D Moose

Twinning Data (EMMA)

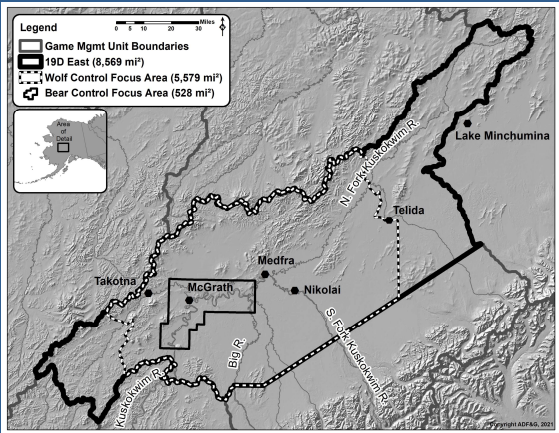
Year	N	singletons	twins	twinning rate
2015	45	23	22	49%
2016	53	36	17	32%
2017	44	32	12	27%
2018	39	34	5	13%
2019	49	40	9	18%
2020	48	41	7	15%
2021	40	31	9	23%
2022	43	28	15	35%
2023	45	32	13	29%
2-year average				32%

156

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Proposal 66

19D Moose



Proposal 66

19D Moose

IM Plan Moose Objectives

- Density Objective WCFA
 - 1 moose/mi²
 - Current estimate 0.7 moose/mi²
- Harvest Objective
 - 225 moose from WCFA
 - Current harvest 125

Proposal 66

19D Moose

Points to consider

- Recent declines in moose due to difficult winter
- Support longer season
- Support expanding the area open with a harvest ticket
- Support antlerless harvest when appropriate

159

159

Proposal 66

19D Moose

- Effect of the proposal
 - Modify resident moose hunting season dates and permit requirements
- Department recommendation
 - Support
- McGrath AC proposal

160

160

Proposal 67 19D Antlerless Moose

- Effect of the proposal
 - Reauthorize the antlerless winter moose hunt in Unit 19D
- Department recommendation
 - Support
- Department proposal
 - McGrath AC supports

161

161

Proposal 67 19D Antlerless Moose

- Current regulations (RM660)
 - Feb 1 – Last day of Feb; one moose (no cows with calves)
 - Residents only

162

162

Proposal 67

19D Antlerless Moose

IM Plan Moose Objectives

Density Objective WCFA

1 moose/mi²

Current estimate 0.7 moose/mi²

Harvest Objective

225 moose from WCFA

Current harvest 125

163

163

Proposal 67

19D Antlerless Moose

1.4 moose mi²

2-year average of 37 bulls:100 cows

2-year average twinning rate 32%

2022 short yearling weights above long-term average

2023 short yearling weights below long-term average

164

164

Proposal 67 19D Antlerless Moose

- Effect of the proposal
 - Reauthorize the antlerless winter moose hunt in Unit 19D
- Department recommendation
 - Support
- Department proposal
 - McGrath AC supports

165

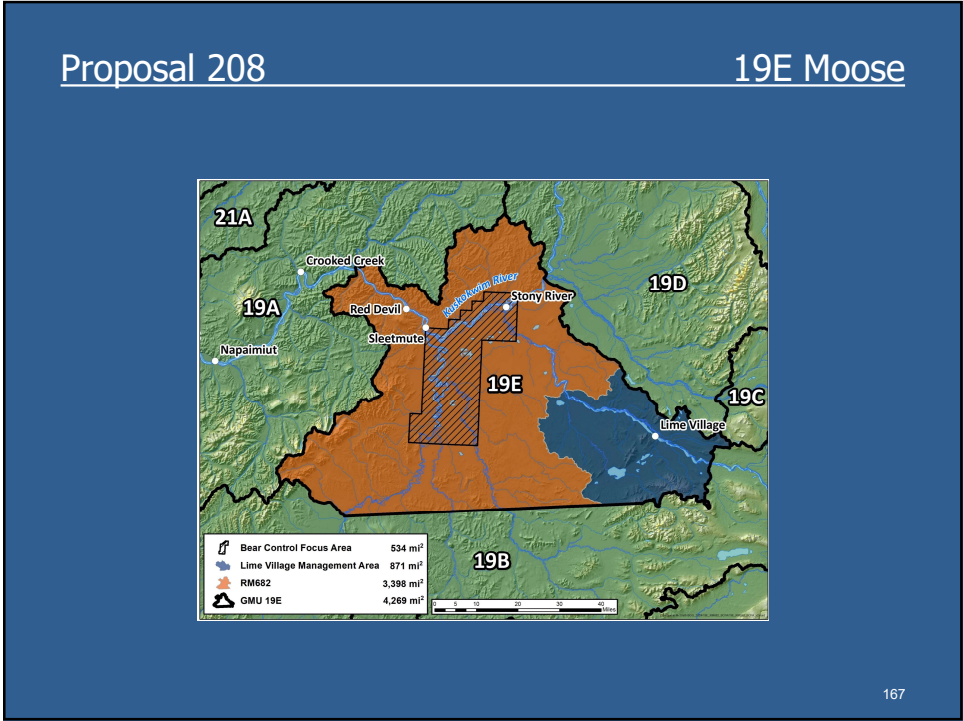
165

Proposal 208 19E Moose

- Effect of the proposal
 - Extend resident season dates for moose hunting in 19E remainder, allow proxy hunting, and more than 1 permit/house
- Department recommendation
 - Neutral on allocation, support longer season
- Stony Holitna AC proposal

166

166



167

Proposal 20819E Moose

Current Regulations

- Unit 19E remainder
 - Sept 1 – Sept 5
 - 1 antlered bull RM682
 - Up to 75 permits available
 - Available in hunt area Jul 24-Jul 28
 - Holitna/Hoholitna Controlled Use Area

168

168

Proposal 208

19E Moose

Board findings (2019-225-BOG)

- Available in person in Sleetmute and Stony River during month of July
- Only one permit per household
- Proxy hunting is not allowed

169

169

Proposal 208

19E Moose

Proposed Regulations & Findings

- Unit 19E remainder
 - Sept 1 – Sept 10
 - Allow proxy hunting
 - Allow more than 1 permit per household

170

170

Proposal 208

19E Moose

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19 – R

Y

23 Harvest Data

RM682

R	Y	Issued	Hunted	Kill	Success
2019		30	19	8	42%
2020		30	19	10	53%
2021		29	16	7	44%
2022		29	14	4	29%
2023		29	12	6	50%
Average		29	16	7	43%

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Proposal 208

19E Moose

2023 GSPE Population Results

Area	Total Area	Total Moose (w/SCF)	Density	Harvestable Surplus
RM682	3,419 mi ²	2,731	0.8	110
BCFA	534 mi ²	1,553	2.9	60

172

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Proposal 208

19E Moose

Composition Data

Year	Calves:100 cows	Bulls:100 cows
2018	40	52
2019	21	40
2021	24	63
2022	29	40
2023	28	48

173

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Proposal 208

19E Moose

Points To Consider

- RM682 hunt area was closed for 13 years
- Board actions to open hunt were deliberately conservative
- Moose numbers have improved, and harvestable surplus is now about 110 moose
- There are additional moose that can be harvested

174

174

Proposal 208

19E Moose

- Effect of the proposal
 - Extend resident season dates for moose hunting in 19E remainder, allow proxy hunting, and more than 1 permit/house
- Department recommendation
 - Neutral on allocation, support longer season
- Stony Holitna AC proposal

175

175

Proposal 68

19E Moose

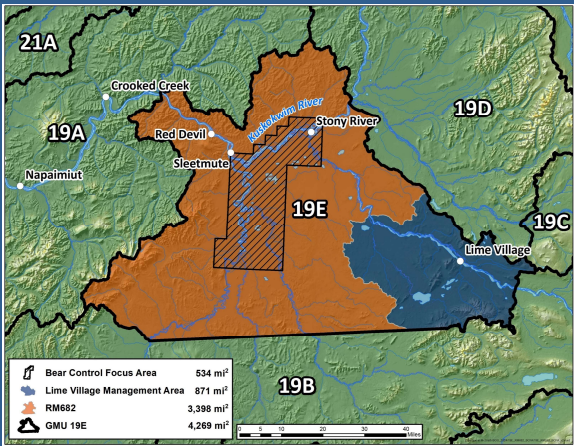
- Effect of the proposal
 - Make RM682 available online July 18 – July 22
- Department recommendation
 - Neutral
- Public proposal

176

176

Proposal 68

19E Moose



177

177

Proposal 68

19E Moose

Current Regulations

- Unit 19E remainder
 - Sept 1 – Sept 5
 - 1 antlered bull RM682
 - Up to 75 permits available
 - Available within the hunt area Jul 24 – Jul 28
 - Holitna/Hoholitna Controlled Use Area

178

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Proposal 68

19E Moose

Board findings (2019-225-BOG)

- Available in person in Sleetmute and Stony River during month of July
- Only one permit per household
- May not hold any other moose hunting permits on the Kuskokwim River
- Proxy hunting is not allowed

179

179

Proposal 68

19E Moose

Proposed Board Findings

- Unit 19E remainder
 - Permits available on the internet July 18 – July 22

180

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Proposal 68

19E Moose

RY19 – RY23 Harvest Data RM682

RY	Issued	Hunted	Kill	Success
2019	30	19	8	42%
2020	30	19	10	53%
2021	29	16	7	44%
2022	29	14	4	29%
2023	29	12	6	50%
Average	29	16	7	43%

181

181

Proposal 68

19E Moose

RY19 – RY23 Community of Residence

	Local	Nonlocal	Total Permits
2019	23	7	30
2020	26	4	30
2021	24	5	29
2022	27	2	29
2023	24	5	29
Average	25	5	29

182

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Proposal 68

19E Moose

2023 GSPE Population Results

Area	Total Area	Total Moose (w/SCF)	Density	Harvestable Surplus
RM682	3,419 mi ²	2,731	0.8	110
BCFA	534 mi ²	1,553	2.9	60

183

183

Proposal 68

19E Moose

Composition Data

Year	Calves:100 cows	Bulls:100 cows
2018	40	52
2019	21	40
2021	24	63
2022	29	40
2023	28	48

184

184

Proposal 68

19E Moose

Points To Consider

- RM682 hunt area was closed for 13 years
- Board actions to open hunt were deliberately conservative
- Local support was contingent on a conservative hunt
- The local AC is opposed to this proposal

185

185

Proposal 68

19E Moose

- Effect of the proposal
 - Make RM682 available online July 18 – July 22
- Department recommendation
 - Neutral
- Public proposal

186

186

Proposal 69

19E Moose

■ Effect of the proposal

■ Allow RM682 permit holders to obtain other permits on the Kuskokwim River

■ Department recommendation

■ Neutral

■ Public proposal

187

187

Proposal 69

19E Moose

Area	Area (mi²)
Bear Control Focus Area	534
Lime Village Management Area	871
RM682	3,398
GMU 19E	4,269

188

188

Proposal 69

19E Moose

Current Regulations

- Unit 19E remainder
 - Sept 1 – Sept 5
 - 1 antlered bull RM682
 - Up to 75 permits available
 - Available within the hunt area Jul 24 – Jul 28
 - Holitna/Hoholitna Controlled Use Area

189

189

Proposal 69

19E Moose

Board findings (2019-225-BOG)

- Available in person in Sleetmute and Stony River during month of July
- Only one permit per household
- May not hold any other moose hunting permits on the Kuskokwim River
- Proxy hunting is not allowed

190

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Proposal 69

19E Moose

Proposed Board Findings

■ Unit 19E remainder

■ Individuals can hold multiple permits

191

191

Proposal 69

19E Moose

RY19 – RY23 Harvest Data RM682

RY	Issued	Hunted	Kill	Success
2019	30	19	8	42%
2020	30	19	10	53%
2021	29	16	7	44%
2022	29	14	4	29%
2023	29	12	6	50%
Average	29	16	7	43%

192

192

Proposal 69

19E Moose

Composition Data

Year	Calves:100 cows	Bulls:100 cows
2018	40	52
2019	21	40
2021	24	63
2022	29	40
2023	28	48

195

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Proposal 69

19E Moose

Points To Consider

- RM682 hunt area was closed for 13 years
- Board actions to open hunt were deliberately conservative
- The Stony Holitna AC requested permit holders may not obtain another permit on the Kuskokwim
- Not meant to punish RM682 hunters, but prevent large numbers of hunters coming in from other areas
- 1500 RM615 hunters not eligible for RM682

196

196

Proposal 69

19E Moose

- Effect of the proposal
 - Allow RM682 permit holders to obtain other permits on the Kuskokwim River
- Department recommendation
 - Neutral
- Public proposal

197

197

Proposal 70

19E Moose

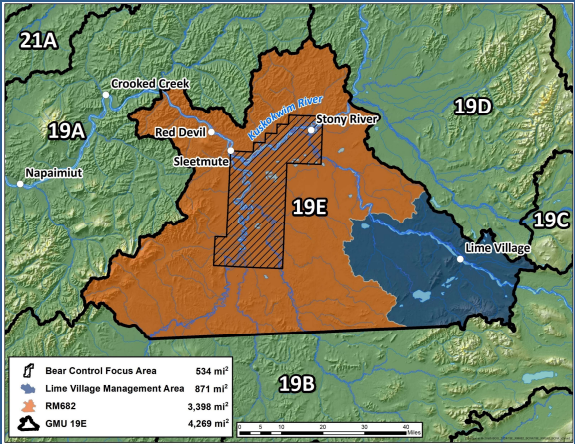
- Effect of the proposal
 - Make 15 RM682 permits available in Bethel
- Department recommendation
 - Neutral
- Public proposal

198

198

Proposal 70

19E Moose



Proposal 70

19E Moose

Current Regulations

- Unit 19E remainder
 - Sept 1 – Sept 5
 - 1 antlered bull RM682
 - Up to 75 permits available
 - Available within the hunt area Jul 24 – Jul 28
 - Holitna/Hoholitna Controlled Use Area

Proposal 70

19E Moose

Board findings (2019-225-BOG)

- Available in person in Sleetmute and Stony River during month of July
- Only one permit per household
- May not hold any other moose hunting permits on the Kuskokwim River
- Proxy hunting is not allowed

201

201

Proposal 70

19E Moose

Proposed Board Findings

- Unit 19E remainder
 - 15 RM682 permits available in Bethel
 - Dates?

202

202

Proposal 70

19E Moose

2023 GSPE Population Results

Area	Total Area	Total Moose (w/SCF)	Density	Harvestable Surplus
RM682	3,419 mi ²	2,731	0.8	110
BCFA	534 mi ²	1,553	2.9	60

205

205

Proposal 70

19E Moose

Composition Data

Year	Calves:100 cows	Bulls:100 cows
2018	40	52
2019	21	40
2021	24	63
2022	29	40
2023	28	48

206

206

Proposal 70

19E Moose

Points To Consider

- RM682 hunt area was closed for 13 years
- Board actions to open hunt were deliberately conservative
- Local support was contingent on a conservative hunt
- This included permits only issued in the hunt area
- The local AC is opposed to this proposal

207

207

Proposal 70

19E Moose

- Effect of the proposal
 - Make 15 RM682 permits available in Bethel
- Department recommendation
 - Neutral
- Public proposal

208

208

Proposal 71

CUA

■ Effect of the proposal

■ Department recommendation

■ Public proposal

■ Eliminate the Holitna-Hoholitna controlled use area

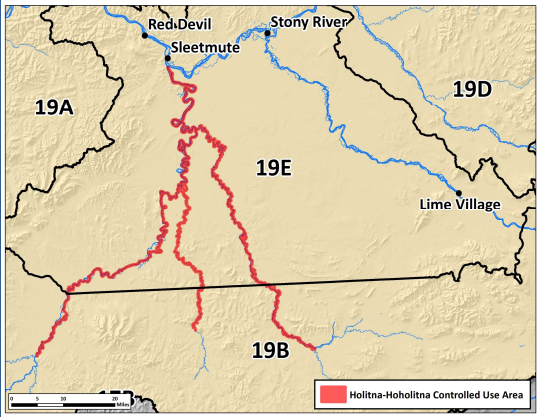
■ Neutral

209

209

Proposal 71

CUA

A topographic map showing the Holitna-Hoholitna Controlled Use Area, which is outlined in red. The map includes labels for Red Devil, Sleetmute, Stony River, Lime Village, and various sections (19A, 19B, 19D, 19E). A legend at the bottom right identifies the red outline as the 'Holitna-Hoholitna Controlled Use Area'. A scale bar is located at the bottom left of the map.

210

210

Proposal 71

CUA

Current Regulation

■ Closed to the use of any boat equipped with a motor in excess of 40 horse-power for taking big game, from August 1 – November 1.

211

211

Proposal 71

CUA

Proposed Regulation

■ Eliminate the Holitna Hoholitna Controlled Use Area

212

212

Proposal 71

CUA

Background

- The board created the CUA in 1992 to reduce user conflicts
- The board has consistently upheld the CUA and similar proposals failed in 1994, 2004, 2008, 2017 and 2020
- A limited registration hunt RM682 opened in RY19

213

213

Proposal 71

CUA

- Effect of the proposal
 - Eliminate the Holitna-Hoholitna controlled use area
- Department recommendation
 - Neutral
- Public proposal

214

214

Proposal 72

CUA

■ Effect of the proposal

■ Modify the Holitna-Hoholitna controlled use area to allow motors larger than 40 hp from Sept 10 – Sept 20

■ Department recommendation

■ Neutral

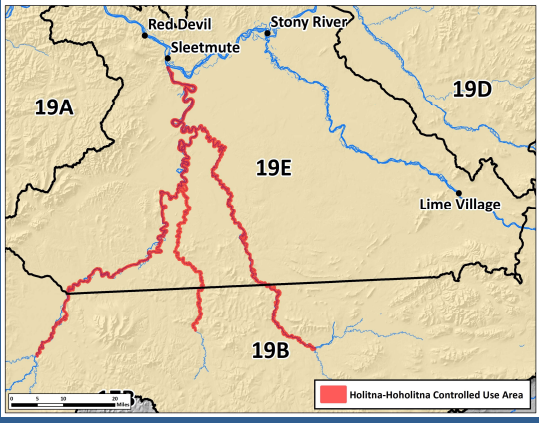
■ Public proposal

215

215

Proposal 72

CUA



The map displays a geographical area with a red boundary line indicating the Holitna-Hoholitna Controlled Use Area. The area is divided into sections labeled 19A, 19B, 19E, and 19D. Key locations marked include Red Devil, Sleetmute, Stony River, and Lime Village. A legend at the bottom right identifies the red line as the 'Holitna-Hoholitna Controlled Use Area'. A scale bar is visible in the bottom left corner of the map.

216

216

Proposal 72

CUA

Current Regulation

- Closed to the use of any boat equipped with a motor in excess of 40 horse-power for taking big game, from August 1 – November 1.

217

217

Proposal 72

CUA

Proposed Regulation

- Modify the Holitna-Hoholitna controlled use area to allow motors larger than 40 hp from Sept 10 – Sept 20

218

218

Proposal 72

CUA

Background

- The board created the CUA in 1992 to reduce user conflicts
- The board has consistently upheld the CUA and similar proposals failed in 1994, 2004, 2008, 2017 and 2020
- A limited registration hunt RM682 opened in RY19

219

219

Proposal 72

CUA

- Effect of the proposal
 - Modify the Holitna-Hoholitna controlled use area to allow motors larger than 40 hp from Sept 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

220

220

Proposal 73

21E IM

- Effect of the proposal
 - Reauthorize the 21E IM plan for 6 years
- Department recommendation
 - Support
- GASH AC proposal

221

221

Proposal 73

21E IM

- The current 21E IM plan expires June 30, 2024
- Even though IM has never been active in 21E the GASH would like to retain the plan

222

222

Proposal 73

21E IM

■ Wolf Control Focus Area Population Objective

■ 1.0 moose mi²

■ Current population 1.9 moose mi²

■ Wolf Control Focus Area Harvest Objective 165 Moose

■ Current harvest 175 moose per year

225

225

Proposal 73

21E IM

■ 2-year average of 44 bulls:100 cows

■ 2-year average twinning rate 26%

226

226

Proposal 73

21E IM

- Effect of the proposal
 - Reauthorize the 21E IM plan for 6 years
- Department recommendation
 - Support
- GASH AC proposal

227

227

Proposal 74

21E Moose

- Effect of the proposal
 - Require all applicants for DM837 to provide a unique verification code (UVC) when applying for the hunt
- Department recommendation
 - Take No Action
- GASH AC proposal

228

228

Proposal 74

21E Moose

- Current nonresident moose regulations
 - Draw permit only
 - DM837 prohibits use of a guide
 - DM839 requires use of a guide
 - Must have a signed guide/client agreement and provide a UVC as part of their application
 - Up to 100 permits available

229

229

Proposal 74

21E Moose

Background

- Draw hunt began in RY07
- Currently have a 70/30 split between DM837 and DM839
- 60 total nonresident permits issued
- GASH concerned about unlicensed individuals taking DM837 permit holders into the field

230

230

Proposal 74

21E Moose

- Effect of the proposal
 - Require all applicants for DM837 to provide a unique verification code (UVC) when applying for the hunt
- Department recommendation
 - Neutral
- GASH AC proposal

231

231

Proposal 75

21E Antlerless Moose

- Effect of the proposal
 - Reauthorize the antlerless winter moose hunt in Unit 21E
- Department recommendation
 - Support
- Department proposal

232

232

Proposal 75

21E Antlerless Moose

- Current regulations (RM837)
 - Feb 15 – March 15; one moose (no cows with calves)
 - Residents only

233

233

Proposal 75

21E Antlerless Moose

- 1.9 moose/ sq mi
- 2-year average of 44 bulls:100 cows
- 2-year average twinning rate 26%
- Winter hunt 8 moose harvested/year
 - 39% cows

234

234

Proposal 75 21E Antlerless Moose

- Effect of the proposal
 - Reauthorize the antlerless winter moose hunt in Unit 21E
- Department recommendation
 - Support
- Department proposal

235

235

Proposal 76 19C Sheep

- Effect of the proposal
 - Reopen resident winter sheep hunt
 - Reopen nonresident sheep hunt Aug 15 – Sept 10
- Department recommendation
 - Neutral
- Public proposal

236

236

Proposal 76

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

237

237

Proposal 76

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

- Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

238

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Proposal 7619C SheepAmounts Necessary for Subsistence

- Positive C&T determination in Unit 19
 - ANS 1 – 5 sheep
- Winter hunt structured to provide opportunity according to the pattern of customary and traditional use

239

239

Proposal 7619C Sheep■ Proposed regulations

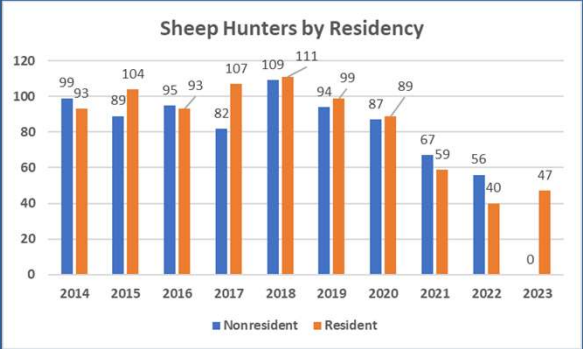
- August 15 – September 10
 - Nonresidents (1 full curl sheep every 4 years)
- October 1 – April 30 winter hunt RS380
 - Never closed by board
 - Residents only

240

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Proposal 76

19C Sheep

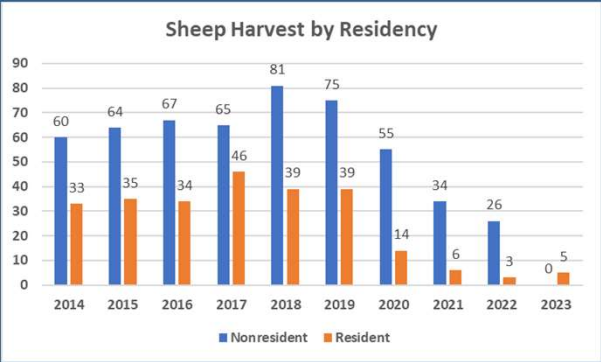


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Proposal 76

19C Sheep



242

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Proposal 76

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

243

243

Proposal 76

19C Sheep

RS380 Winter Hunt

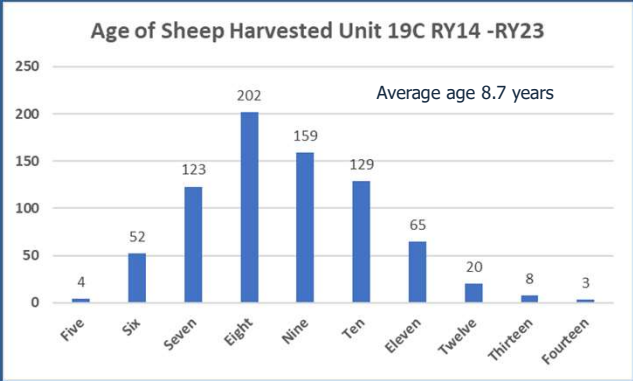
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

244

244

Proposal 76

19C Sheep

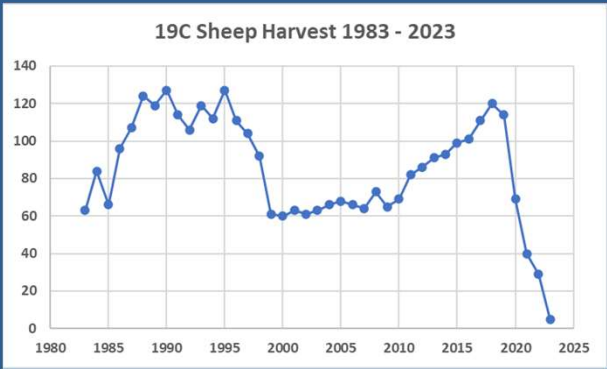


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Proposal 76

19C Sheep



246

246

Proposal 7619C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

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Proposal 7619C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

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248

Proposal 76

19C Sheep

Additional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

249

249

Proposal 76

19C Sheep

- Effect of the proposal
 - Reopen resident winter sheep hunt
 - Reopen nonresident sheep hunt Aug 15 – Sept 10
- Department recommendation
 - Neutral
- Public proposal

250

250

Proposal 77

19C Sheep

■ Effect of the proposal

■ Reopen youth sheep hunt Aug 1 – Aug 5

■ Reopen nonresident sheep hunt Aug 10 – Sept 20

■ Department recommendation

■ Neutral

■ Public proposal

251

251

Proposal 77

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

■ Close all nonresident hunting in Unit 19C

■ Close the youth hunt in Unit 19C

252

252

Proposal 77

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

■ Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

■ Residents only (1 ram < ¾ curl)

253

253

Proposal 77

19C Sheep

■ Proposed regulations

■ August 1 – August 5 youth hunt (1 full curl ram)

■ August 10 – September 20 general season harvest ticket

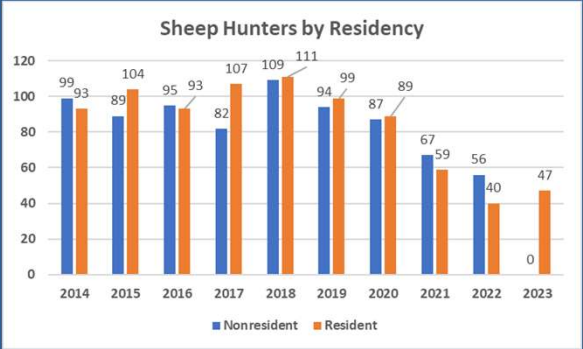
■ Nonresidents (1 full curl ram every 4 years)

254

254

Proposal 77

19C Sheep

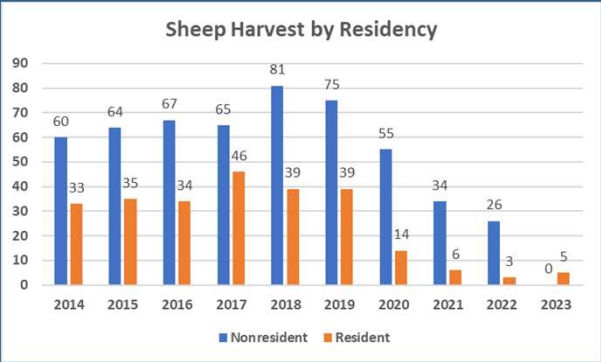


255

255

Proposal 77

19C Sheep



256

256

Proposal 77

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

257

257

Proposal 77

19C Sheep

RS380 Winter Hunt

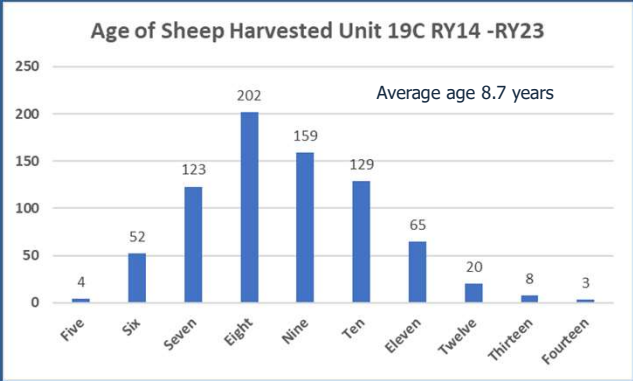
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

258

258

Proposal 77

19C Sheep

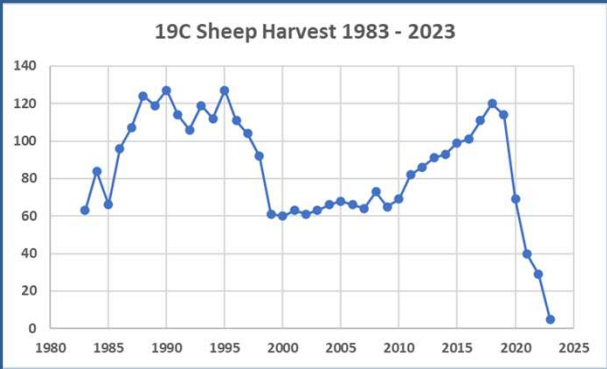


259

259

Proposal 77

19C Sheep



260

260

Proposal 7719C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

261

261

Proposal 7719C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

262

262

Proposal 7719C SheepAdditional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

263

263

Proposal 7719C Sheep

- Effect of the proposal
 - Reopen youth sheep hunt Aug 1 – Aug 5
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

264

264

Proposal 78

19C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

265

265

Proposal 78

19C Sheep

- Current regulations
 - Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
 - At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

266

266

Proposal 7819C Sheep■ Current regulations

- August 10 – September 20 general season harvest ticket
 - Residents only (1 full curl ram)
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)

267

267

Proposal 7819C Sheep■ Proposed regulations

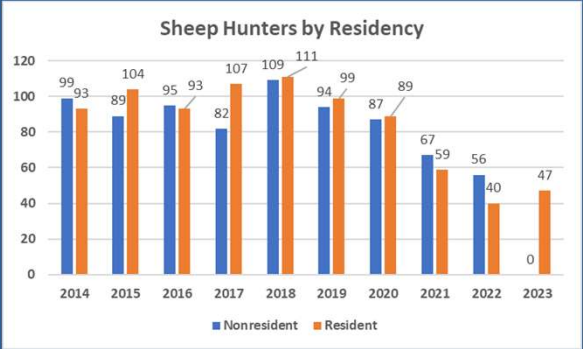
- August 10 – September 20 general season harvest ticket
 - Nonresidents (1 full curl ram every 4 years)

268

268

Proposal 78

19C Sheep

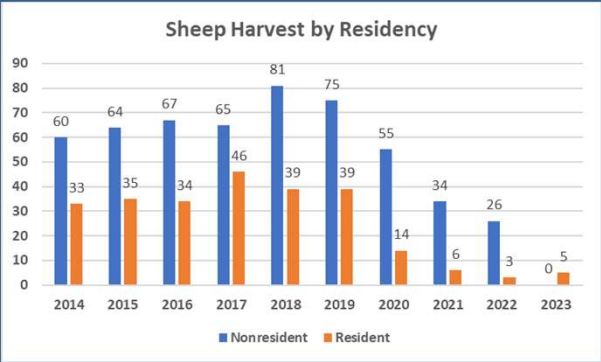


269

269

Proposal 78

19C Sheep



270

270

Proposal 78

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

271

271

Proposal 78

19C Sheep

RS380 Winter Hunt

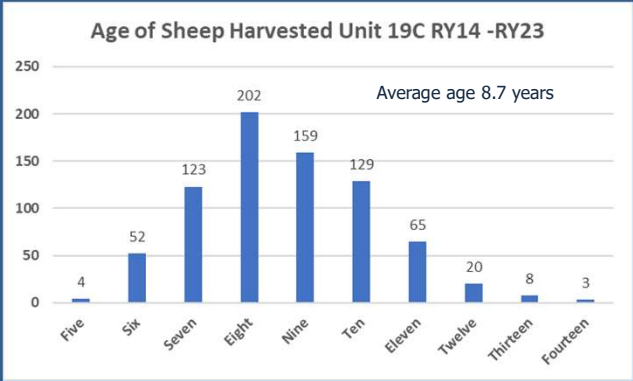
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

272

272

Proposal 78

19C Sheep

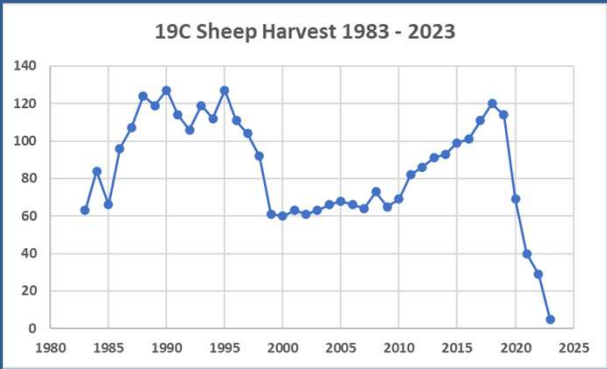


273

273

Proposal 78

19C Sheep



274

274

Proposal 7819C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

275

275

Proposal 7819C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

276

276

Proposal 7819C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

277

277

Proposal 7819C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

278

278

Proposal 79

19C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

279

279

Proposal 79

19C Sheep

- Current regulations
 - Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
 - At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

280

280

Proposal 79

19C Sheep

■ Current regulations

- August 10 – September 20 general season harvest ticket
 - Residents only (1 full curl ram)
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)

281

281

Proposal 79

19C Sheep

■ Proposed regulations

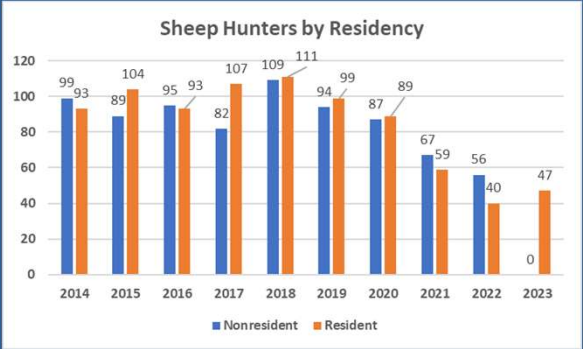
- August 10 – September 20 general season harvest ticket
 - Nonresidents (1 full curl ram every 4 years)

282

282

Proposal 79

19C Sheep

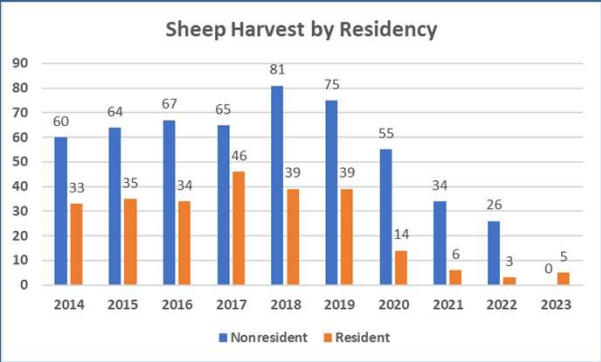


283

283

Proposal 79

19C Sheep



284

284

Proposal 79

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

285

285

Proposal 79

19C Sheep

RS380 Winter Hunt

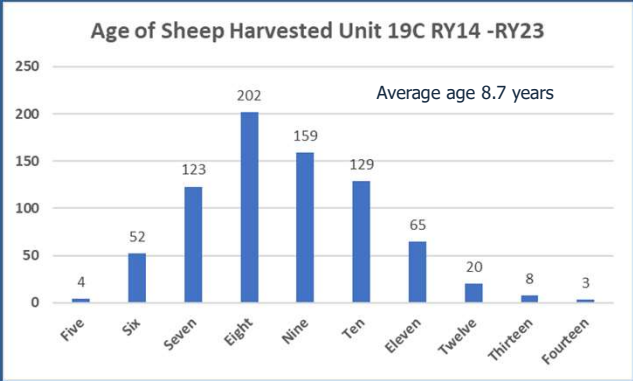
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

286

286

Proposal 79

19C Sheep

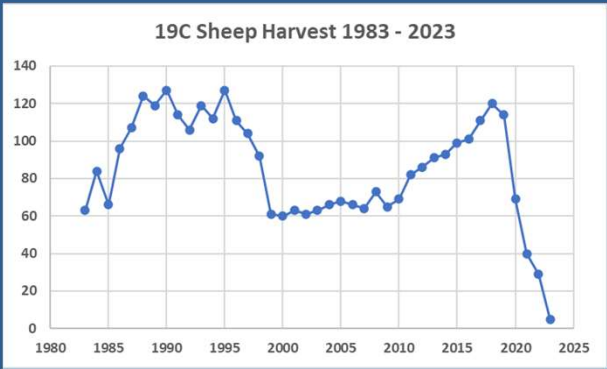


287

287

Proposal 79

19C Sheep



288

288

Proposal 7919C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

289

289

Proposal 7919C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

290

290

Proposal 79

19C Sheep

Additional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

291

291

Proposal 79

19C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

292

292

Proposal 80

19C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

293

293

Proposal 80

19C Sheep

- Current regulations
 - Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
 - At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

294

294

Proposal 80

19C Sheep

■ Current regulations

- August 10 – September 20 general season harvest ticket
 - Residents only (1 full curl ram)
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)

295

295

Proposal 80

19C Sheep

■ Proposed regulations

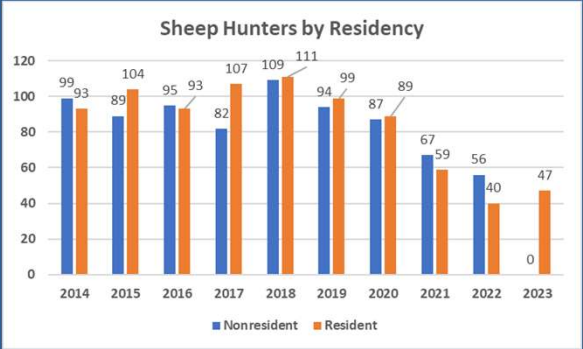
- August 10 – September 20 general season harvest ticket
 - Nonresidents (1 full curl ram every 4 years)

296

296

Proposal 80

19C Sheep

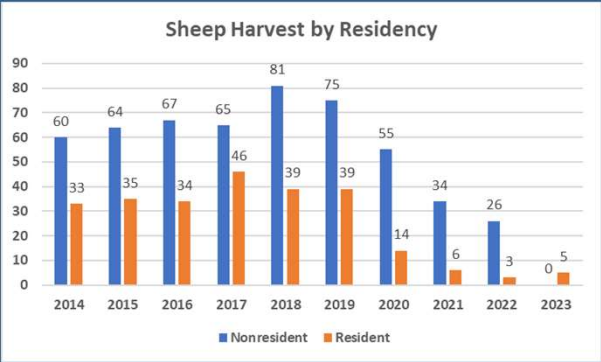


297

297

Proposal 80

19C Sheep



298

298

Proposal 80

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

299

299

Proposal 80

19C Sheep

RS380 Winter Hunt

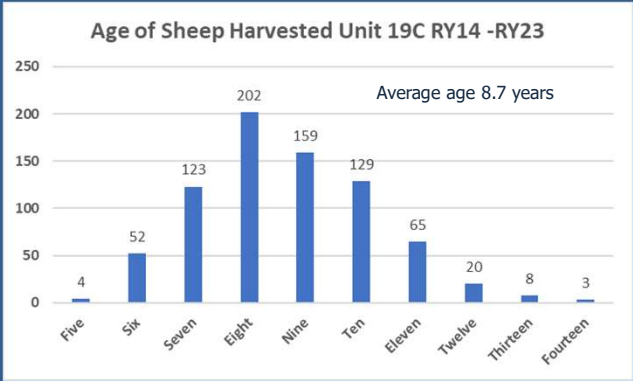
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

300

300

Proposal 80

19C Sheep

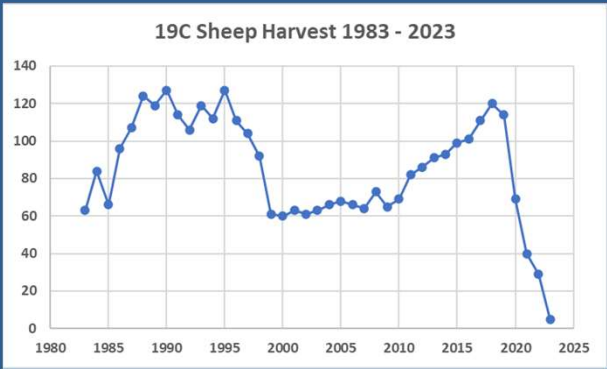


301

301

Proposal 80

19C Sheep



302

302

Proposal 8019C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

303

303

Proposal 8019C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

304

304

Proposal 8019C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

305

305

Proposal 8019C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

306

306

Proposal 81

19C Sheep

- Effect of the proposal
 - Reopen youth sheep hunt Aug 1 – Aug 5
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

307

307

Proposal 81

19C Sheep

- Current regulations
 - Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
 - At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

308

308

Proposal 81

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

■ Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

■ Residents only (1 ram < ¾ curl)

309

309

Proposal 81

19C Sheep

■ Proposed regulations

■ August 1 – August 5 youth hunt

■ August 10 – September 20 general season harvest ticket

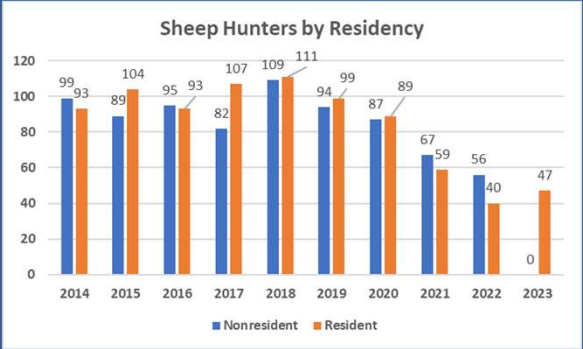
■ Nonresidents (1 full curl ram every 4 years)

310

310

Proposal 81

19C Sheep

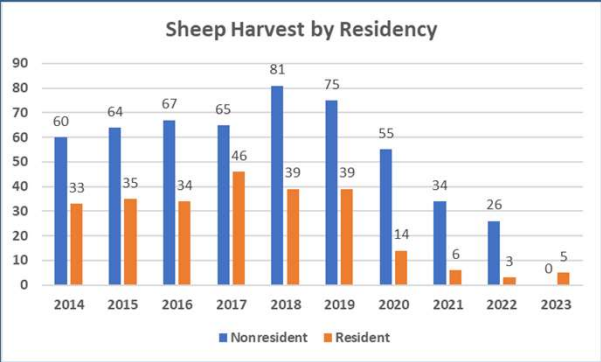


311

311

Proposal 81

19C Sheep



312

312

Proposal 81

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

313

313

Proposal 81

19C Sheep

RS380 Winter Hunt

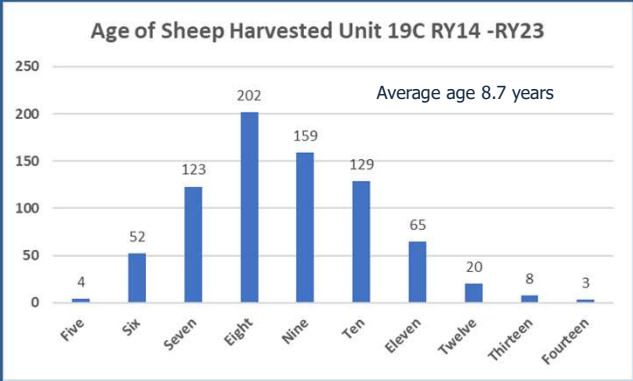
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

314

314

Proposal 81

19C Sheep

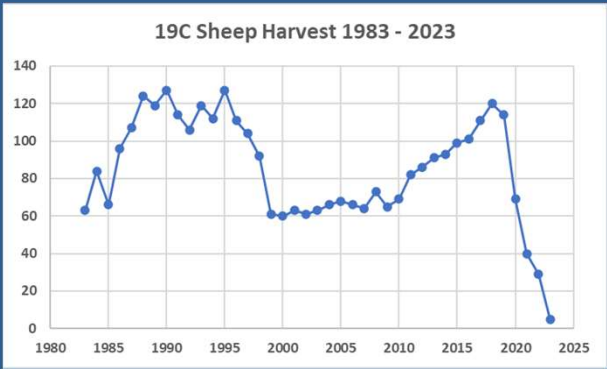


315

315

Proposal 81

19C Sheep



316

316

Proposal 8119C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

317

317

Proposal 8119C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

318

318

Proposal 81

19C Sheep

Additional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

319

319

Proposal 81

19C Sheep

- Effect of the proposal
 - Reopen youth sheep hunt Aug 1 – Aug 5
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
- Department recommendation
 - Neutral
- Public proposal

320

320

Proposal 82

19C Sheep

- Effect of the proposal
 - Implement a draw hunt for nonresidents in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

321

321

Proposal 82

19C Sheep

- Current regulations
 - Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
 - At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

322

322

Proposal 82

19C Sheep

■ Current regulations

- August 10 – September 20 general season harvest ticket
 - Residents only (1 full curl ram)
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)

323

323

Proposal 82

19C Sheep

■ Proposed regulations

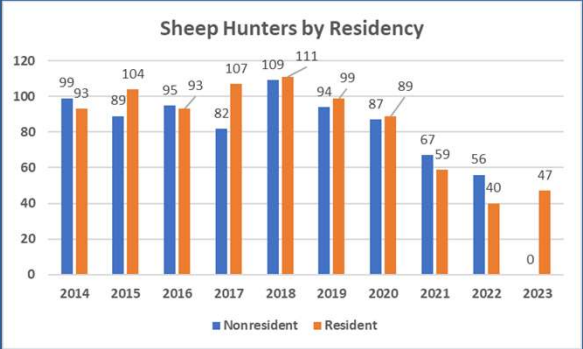
- August 10 – September 20 draw permit
 - Nonresidents (1 full curl ram every 4 years)
 - Up to 10 permits
 - Or up to 25% of the estimated harvestable surplus

324

324

Proposal 82

19C Sheep

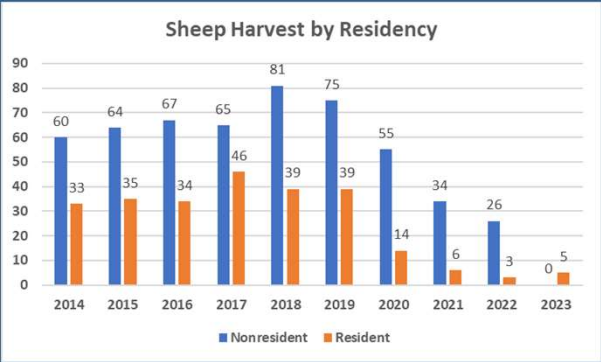


325

325

Proposal 82

19C Sheep



326

326

Proposal 82

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

327

327

Proposal 82

19C Sheep

RS380 Winter Hunt

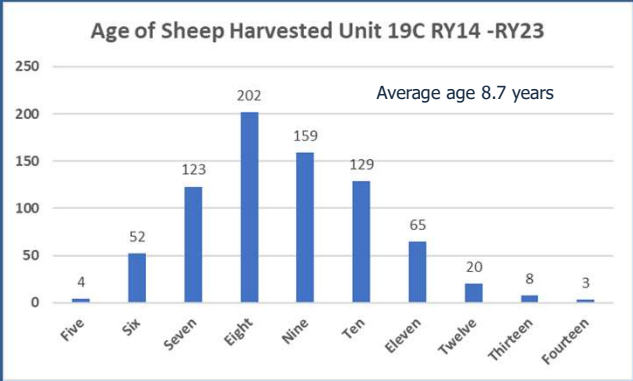
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

328

328

Proposal 82

19C Sheep

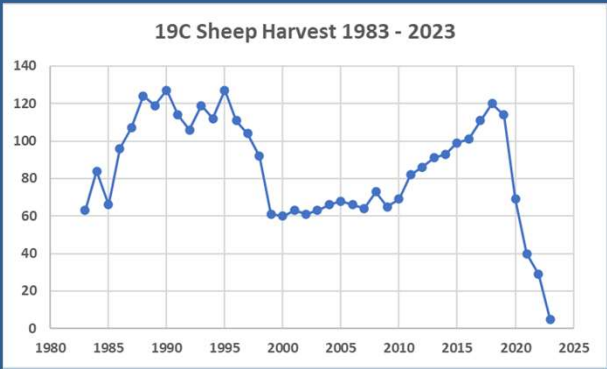


329

329

Proposal 82

19C Sheep



330

330

Proposal 8219C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

331

331

Proposal 8219C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

332

332

Proposal 82

19C Sheep

Additional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

333

333

Proposal 82

19C Sheep

- Effect of the proposal
 - Implement a draw hunt for nonresidents in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

334

334

Proposal 83

19C Sheep

■ Effect of the proposal

■ Reopen nonresident sheep hunt Aug 10 – Sept 20

■ Archery only

■ Department recommendation

■ Neutral

■ Public proposal

335

335

Proposal 83

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

■ Close all nonresident hunting in Unit 19C

■ Close the youth hunt in Unit 19C

336

336

Proposal 83

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

■ Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

■ Residents only (1 ram < ¾ curl)

337

337

Proposal 83

19C Sheep

■ Proposed regulations

■ August 10 – September 20 general season harvest ticket

■ Nonresidents (1 full curl ram every 4 years)

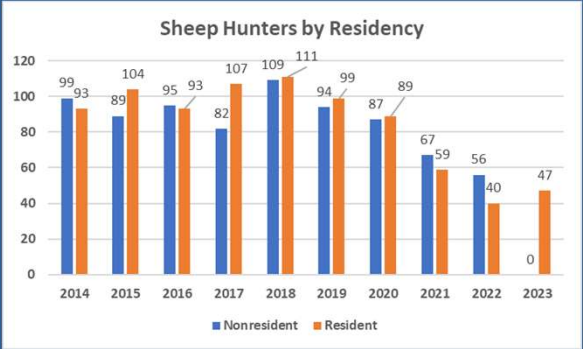
■ Archery only

338

169

Proposal 83

19C Sheep

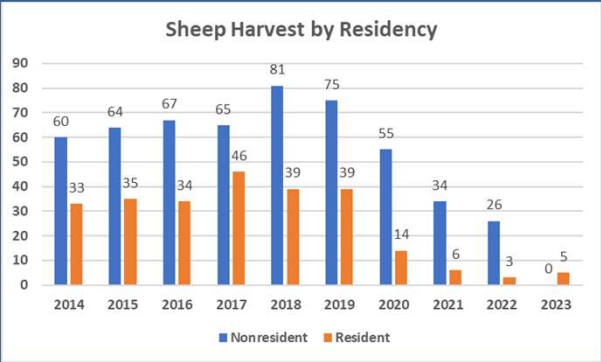


339

339

Proposal 83

19C Sheep



340

340

Proposal 83

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

341

341

Proposal 83

19C Sheep

RS380 Winter Hunt

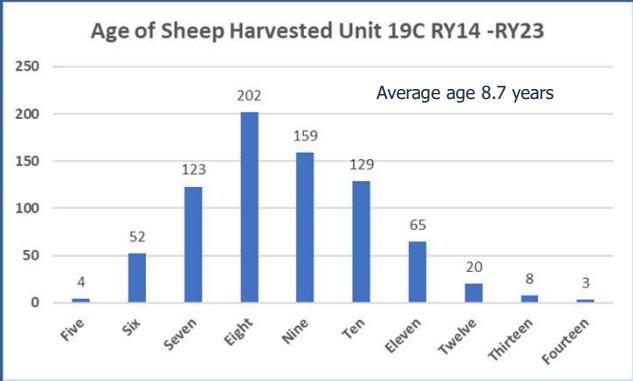
	Ewe Harvest	Ram Harvest	Total Harvest	Total Hunters
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

342

342

Proposal 83

19C Sheep

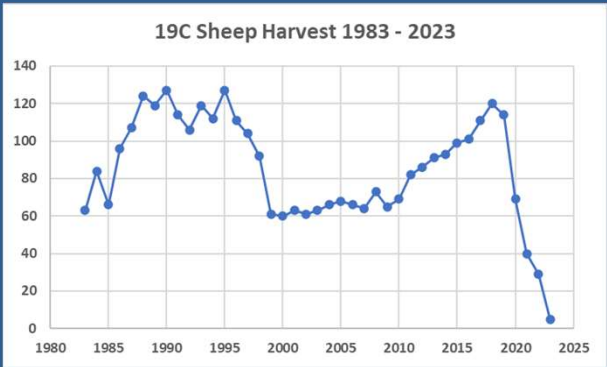


343

343

Proposal 83

19C Sheep



344

344

Proposal 8319C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

345

345

Proposal 8319C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

346

346

Proposal 83

19C Sheep

Additional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

347

347

Proposal 83

19C Sheep

- Effect of the proposal
 - Reopen nonresident sheep hunt Aug 10 – Sept 20
 - Archery only
- Department recommendation
 - Neutral
- Public proposal

348

348

Proposal 84

19C Sheep

■ Effect of the proposal

■ Unit 19C resident bag limit 1 full curl ram every 2-years

■ Department recommendation

■ Neutral

■ Public proposal

349

349

Proposal 84

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

350

350

Proposal 8419C Sheep■ Current regulations

- August 10 – September 20 general season harvest ticket
 - Residents only (1 full curl ram)
 - Residents can hunt every year
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)
 - Residents can hunt every year

351

351

Proposal 8419C Sheep■ Amounts Necessary for Subsistence

- Positive C&T determination in Unit 19
 - ANS 1 – 5 sheep
- Winter hunt structured to provide opportunity according to the pattern of customary and traditional use

352

352

Proposal 84

19C Sheep

■ Proposed regulations

■ August 10 – September 20

■ Residents (1 full curl ram every 2 years)

■ October 1 – April 30 winter hunt RS380

■ Residents only (1 ram < ¾ curl)

■ Bag limit every year?

353

353

Proposal 84

19C Sheep

Sheep Hunters by Residency

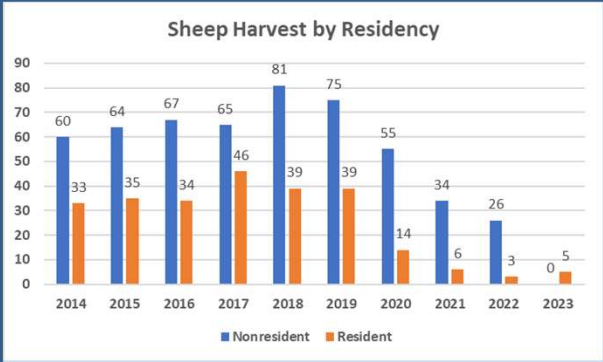
Year	Nonresident	Resident
2014	99	93
2015	89	104
2016	95	93
2017	82	107
2018	109	111
2019	94	99
2020	87	89
2021	67	59
2022	56	40
2023	0	47

354

354

Proposal 84

19C Sheep



355

355

Proposal 84

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

356

356

Proposal 84

19C Sheep

RS380 Winter Hunt

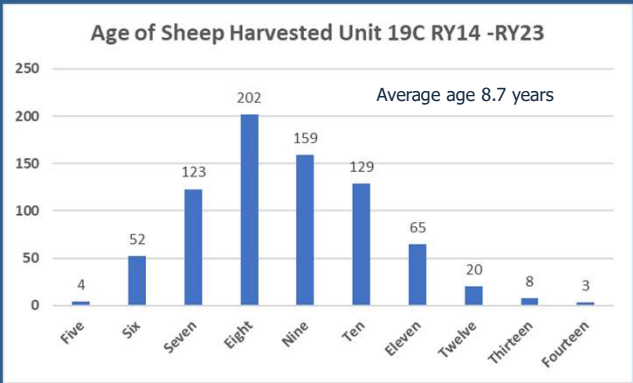
	Ewe Harvest	Ram Harvest	Total Harvest	Total Hunters
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

357

357

Proposal 84

19C Sheep

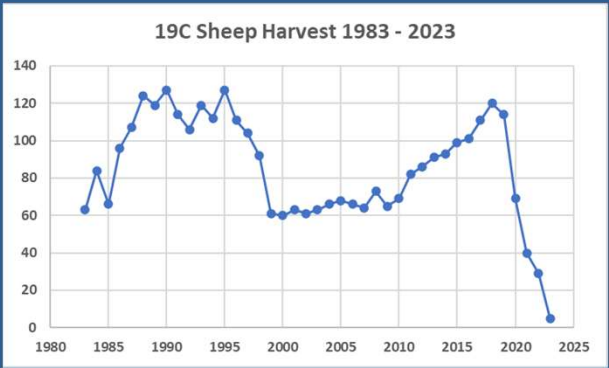


358

358

Proposal 84

19C Sheep



359

359

Proposal 84

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

360

360

Proposal 8419C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

361

361

Proposal 8419C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

362

362

Proposal 84

19C Sheep

- Effect of the proposal
 - Unit 19C resident bag limit 1 full curl ram every 2-years
- Department recommendation
 - Neutral
- Public proposal

363

363

Proposal 85

19C Sheep

- Effect of the proposal
 - Unit 19C resident sheep bag limit based on age of sheep harvested
- Department recommendation
 - Oppose
- Public proposal

364

364

Proposal 85

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

365

365

Proposal 85

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

- Residents only (1 full curl ram)
- Residents can hunt every year

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)
- Residents can hunt every year

366

366

Proposal 8519C SheepAmounts Necessary for Subsistence

- Positive C&T determination in Unit 19
 - ANS 1 – 5 sheep
- Winter hunt structured to provide opportunity according to the pattern of customary and traditional use

367

367

Proposal 8519C Sheep■ Proposed regulations

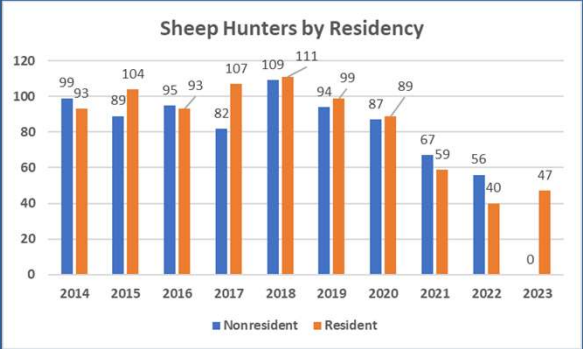
- August 10 – September 20
 - 8 years or older: 1 full curl ram every year
 - 7 year old: ineligible to hunt for the next 2 seasons
 - 6 years or younger: ineligible to hunt for the next 3 seasons
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)
 - Bag limit every year?

368

368

Proposal 85

19C Sheep

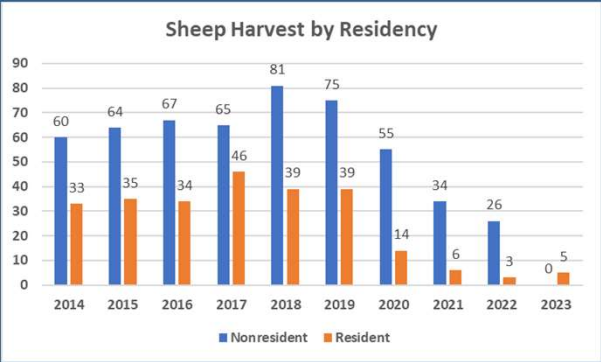


369

369

Proposal 85

19C Sheep



370

370

Proposal 85

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

371

371

Proposal 85

19C Sheep

RS380 Winter Hunt

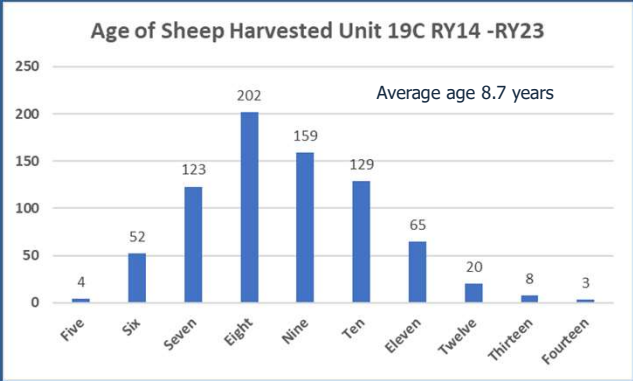
	<u>Ewe Harvest</u>	<u>Ram Harvest</u>	<u>Total Harvest</u>	<u>Total Hunters</u>
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

372

372

Proposal 85

19C Sheep

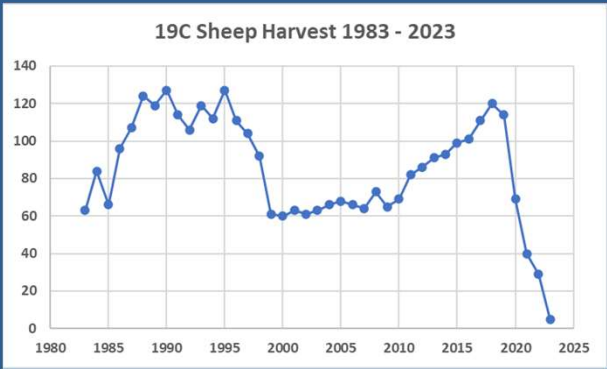


373

373

Proposal 85

19C Sheep



374

374

Proposal 8519C Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

375

375

Proposal 8519C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

376

376

Proposal 8519C SheepAdditional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

377

377

Proposal 8519C Sheep

- Effect of the proposal
 - Unit 19C resident sheep bag limit based on age of sheep harvested
- Department recommendation
 - Oppose
- Public proposal

378

378

Proposal 86

19C Sheep

- Effect of the proposal
 - Unit 19C resident sheep bag limit based on age of sheep harvested
- Department recommendation
 - Oppose
- Public proposal

379

379

Proposal 86

19C Sheep

- Current regulations
 - Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
 - At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

380

380

Proposal 8619C Sheep■ Current regulations

- August 10 – September 20 general season harvest ticket
 - Residents only (1 full curl ram)
 - Residents can hunt every year
- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)
 - Residents can hunt every year

381

381

Proposal 8619C SheepAmounts Necessary for Subsistence

- Positive C&T determination in Unit 19
 - ANS 1 – 5 sheep
- Winter hunt structured to provide opportunity according to the pattern of customary and traditional use

382

382

Proposal 86

19C Sheep

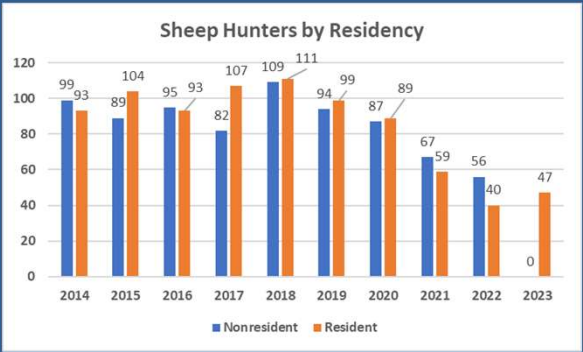
- Proposed regulations
 - August 10 – September 20
 - 10 years or older: eligible next season
 - 8 or 9 years: ineligible next season
 - 7 year old: ineligible to hunt for the next 2 seasons
 - 6 years or younger: ineligible to hunt for the next 3 seasons
 - October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)
 - Bag limit every year?

383

383

Proposal 86

19C Sheep

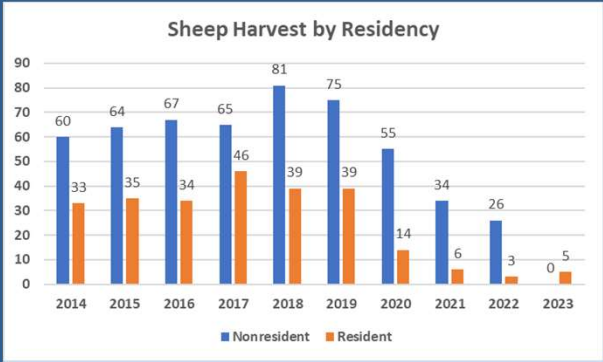


384

384

Proposal 86

19C Sheep



385

385

Proposal 86

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

386

386

Proposal 86

19C Sheep

RS380 Winter Hunt

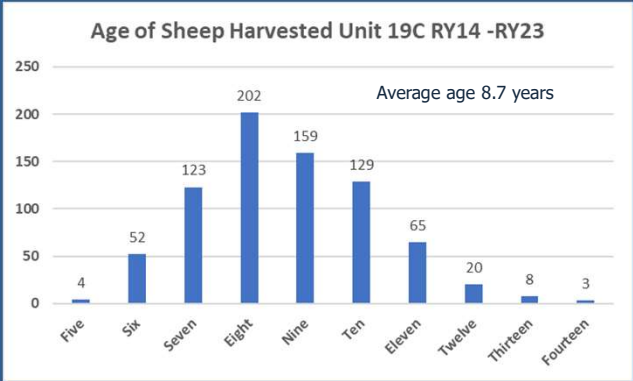
	Ewe Harvest	Ram Harvest	Total Harvest	Total Hunters
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

387

387

Proposal 86

19C Sheep

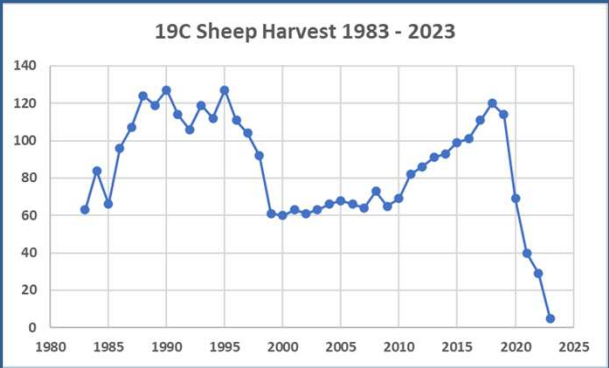


388

388

Proposal 86

19C Sheep



389

389

Proposal 86

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

390

390

Proposal 8619C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

391

391

Proposal 8619C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

392

392

Proposal 86

19C Sheep

- Effect of the proposal
 - Unit 19C resident sheep bag limit based on age of sheep harvested
- Department recommendation
 - Oppose
- Public proposal

393

393

Proposal 87

19C Sheep

- Effect of the proposal
 - Shorten the resident sheep season in Unit 19C and open a nonresident sheep season in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

394

394

Proposal 87

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

395

395

Proposal 87

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

- Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

396

396

Proposal 87

19C Sheep

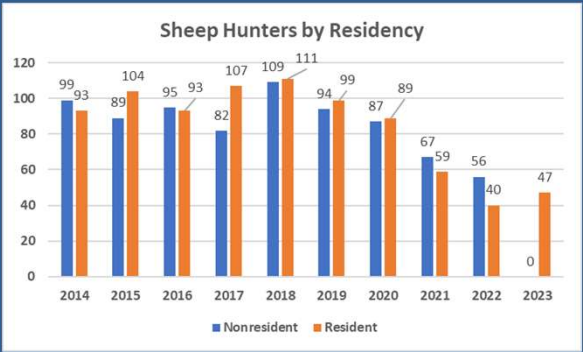
- Proposed regulations
 - August 15 – September 10 general season harvest ticket
 - Residents (1 full curl ram)
 - August 21 – September 10 general season harvest ticket
 - Nonresidents (1 full curl ram every 4 years)

397

397

Proposal 87

19C Sheep

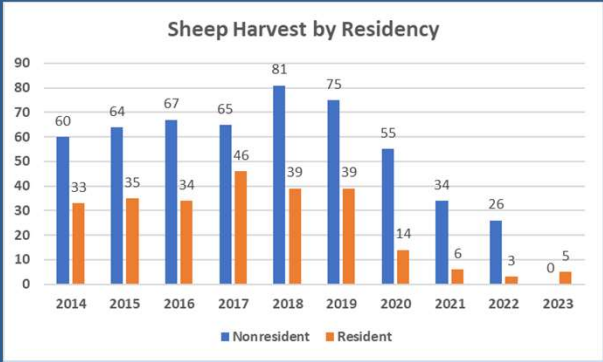


398

398

Proposal 87

19C Sheep



399

399

Proposal 87

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

400

400

Proposal 87

19C Sheep

RS380 Winter Hunt

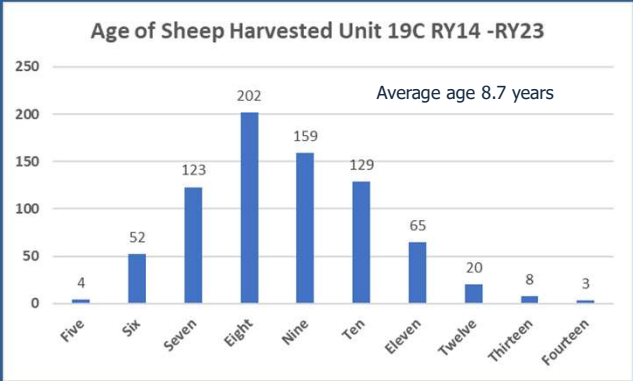
	Ewe Harvest	Ram Harvest	Total Harvest	Total Hunters
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

401

401

Proposal 87

19C Sheep

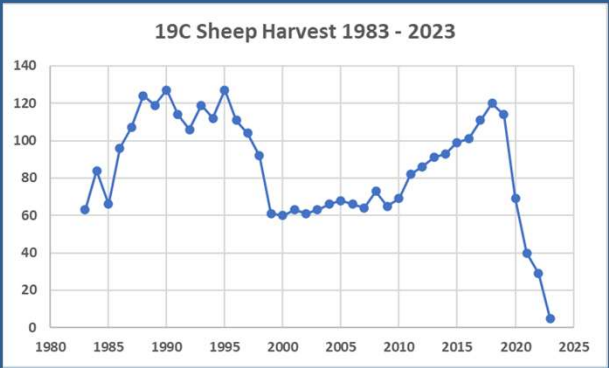


402

402

Proposal 87

19C Sheep



403

403

Proposal 87

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

404

404

Proposal 8719C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

405

405

Proposal 8719C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

406

406

Proposal 87

19C Sheep

■ Effect of the proposal

■ Shorten the resident sheep season in Unit 19C and open a nonresident sheep season in Unit 19C

■ Department recommendation

■ Neutral

■ Public proposal

407

407

Proposal 88

19C Sheep

■ Effect of the proposal

■ Change all resident sheep hunting in Unit 19C to archery only and require future nonresident sheep hunting to be archery only.

■ Department recommendation

■ Neutral

■ Public proposal

408

408

Proposal 88

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

409

409

Proposal 88

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

- Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

410

410

Proposal 88

19C Sheep

■ Proposed regulations

■ August 10 – September 20 general season harvest ticket

■ Residents 1 full curl ram by archery only

■ October 1 – April 30 registration permit

■ Residents ram < ¾ curl by archery only

■ Future nonresident seasons by archery only

411

411

Proposal 88

19C Sheep

Sheep Hunters by Residency

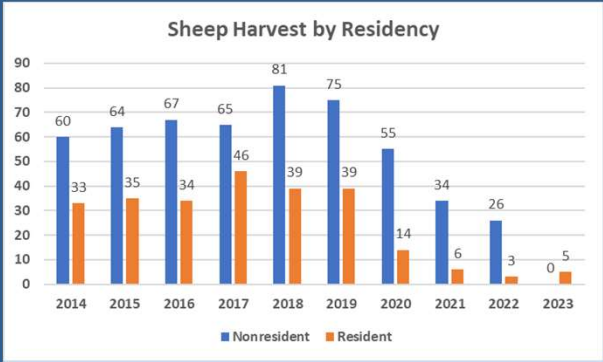
Year	Nonresident	Resident
2014	99	93
2015	89	104
2016	95	93
2017	82	107
2018	109	111
2019	94	99
2020	87	89
2021	67	59
2022	56	40
2023	0	47

412

412

Proposal 88

19C Sheep



413

413

Proposal 88

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

414

414

Proposal 88

19C Sheep

RS380 Winter Hunt

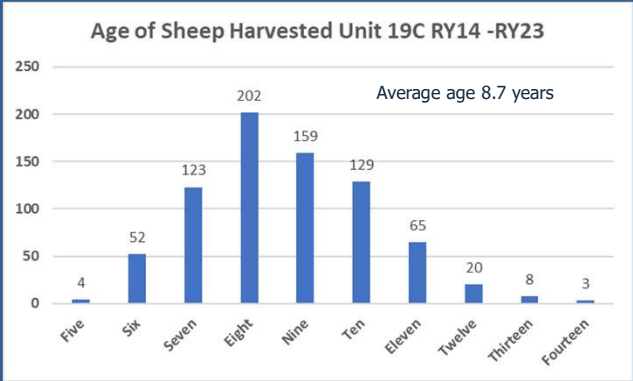
	Ewe Harvest	Ram Harvest	Total Harvest	Total Hunters
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

415

415

Proposal 88

19C Sheep

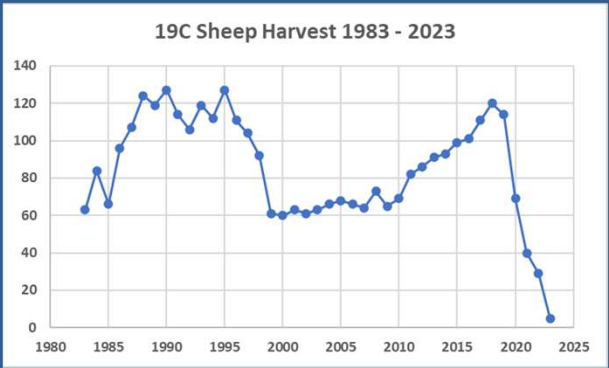


416

416

Proposal 88

19C Sheep



417

417

Proposal 88

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

418

418

Proposal 8819C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

419

419

Proposal 8819C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

420

420

Proposal 88

19C Sheep

- Effect of the proposal
 - Change all resident sheep hunting in Unit 19C to archery only and require future nonresident sheep hunting to be archery only.
- Department recommendation
 - Neutral
- Public proposal

421

421

Proposal 89

19C Sheep

- Effect of the proposal
 - Reopen the winter sheep season in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

422

422

Proposal 89

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

423

423

Proposal 89

19C Sheep

■ Current regulations

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

424

424

Proposal 89

19C Sheep

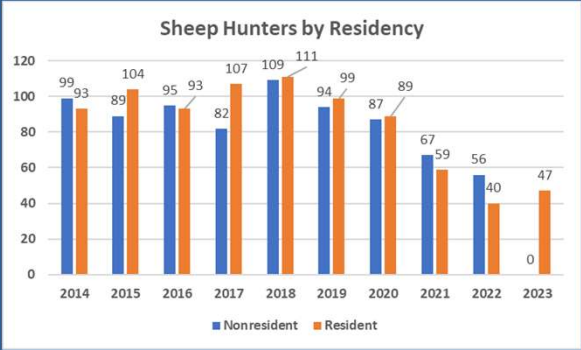
- Proposed regulations
 - Winter hunt never closed by board
 - October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < ¾ curl)

425

425

Proposal 89

19C Sheep

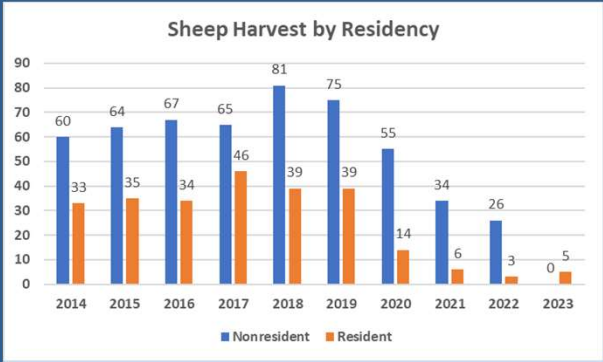


426

426

Proposal 89

19C Sheep



427

427

Proposal 89

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

428

428

Proposal 89

19C Sheep

RS380 Winter Hunt

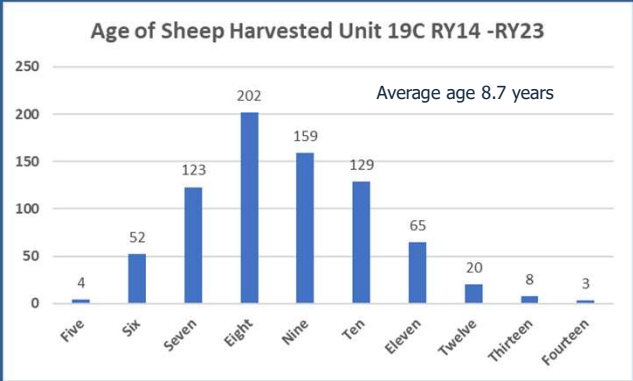
	Ewe Harvest	Ram Harvest	Total Harvest	Total Hunters
RY14	2	0	2	8
RY15	2	2	4	6
RY16	0	0	0	3
RY17	4	1	5	7
RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

429

429

Proposal 89

19C Sheep

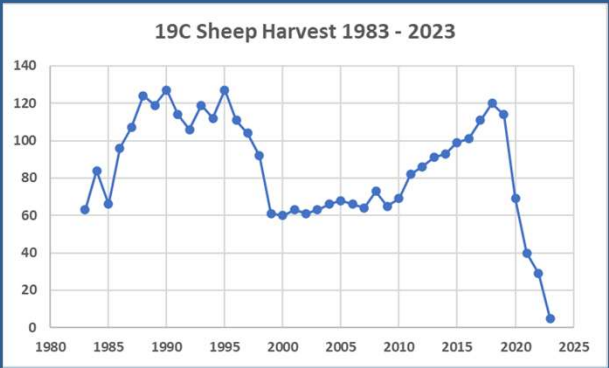


430

430

Proposal 89

19C Sheep



431

431

Proposal 89

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

432

432

Proposal 8919C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

433

433

Proposal 8919C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

434

434

Proposal 89

19C Sheep

- Effect of the proposal
 - Reopen the winter sheep season in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

435

435

Proposal 90

19C Sheep

- Effect of the proposal
 - Reopen the winter sheep season in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

436

436

Proposal 9019C Sheep■ Current regulations

- Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C
- At the March 2023 meeting proposal 204 amended
 - Close all nonresident hunting in Unit 19C
 - Close the youth hunt in Unit 19C

437

437

Proposal 9019C Sheep■ Current regulations

- October 1 – April 30 winter hunt RS380
 - Residents only (1 ram < $\frac{3}{4}$ curl)

438

438

Proposal 90

19C Sheep

■ Proposed regulations

■ Winter hunt never closed by board

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

439

439

Proposal 90

19C Sheep

Sheep Hunters by Residency

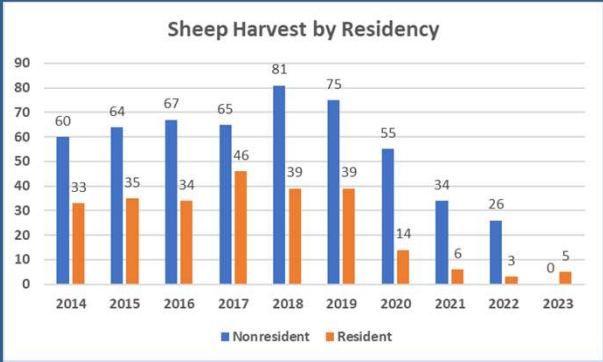
Year	Nonresident	Resident
2014	99	93
2015	89	104
2016	95	93
2017	82	107
2018	109	111
2019	94	99
2020	87	89
2021	67	59
2022	56	40
2023	0	47

440

440

Proposal 90

19C Sheep



441

441

Proposal 90

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

442

442

Proposal 90

19C Sheep

RS380 Winter Hunt

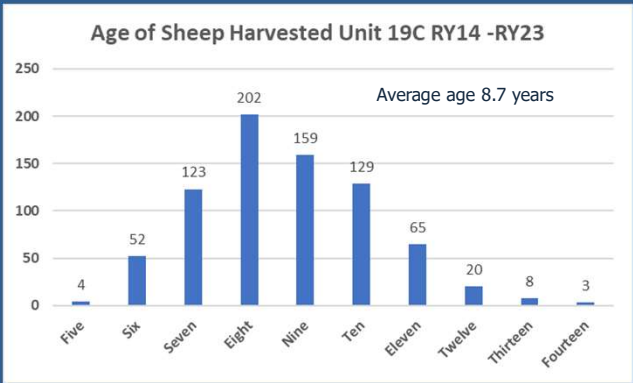
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RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

443

443

Proposal 90

19C Sheep

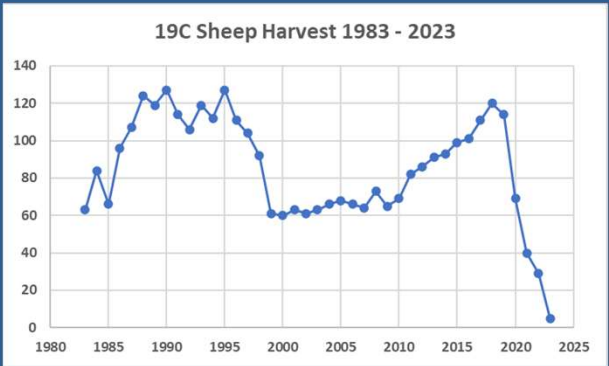


444

444

Proposal 90

19C Sheep



445

445

Proposal 90

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

446

446

Proposal 9019C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

447

447

Proposal 9019C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

448

448

Proposal 90

19C Sheep

- Effect of the proposal
 - Reopen the winter sheep season in Unit 19C
- Department recommendation
 - Neutral
- Public proposal

449

449

Proposal 91

19C Sheep

- Effect of the proposal
 - Modify sheep hunting seasons in Unit 19C by adopting the recommendations of the sheep working group into regulation
- Department recommendation
 - Neutral
- Public proposal

450

450

Proposal 91

19C Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

451

451

Proposal 91

19C Sheep

■ Current regulations

■ August 10 – September 20 general season harvest ticket

- Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

452

452

Proposal 91

19C Sheep

■ Proposed regulations

■ Adopt recommendations of sheep working group

453

453

Proposal 91

19C Sheep

Sheep Hunters by Residency

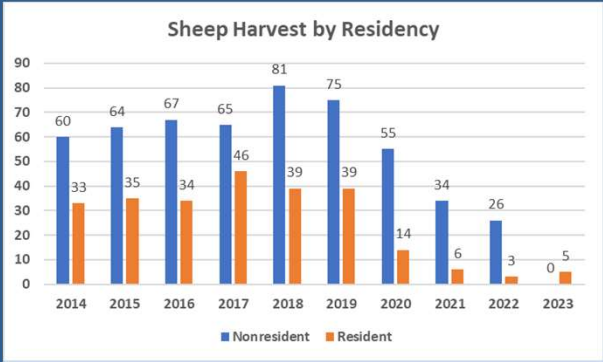
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2016	95	93
2017	82	107
2018	109	111
2019	94	99
2020	87	89
2021	67	59
2022	56	40
2023	0	47

454

454

Proposal 91

19C Sheep



455

455

Proposal 91

19C Sheep

Youth Hunt

Year	Harvest
2016	3
2017	5
2018	6
2019	3
2020	2
2021	1
2022	0
2023	Closed
Average Harvest	3

456

456

Proposal 91

19C Sheep

RS380 Winter Hunt

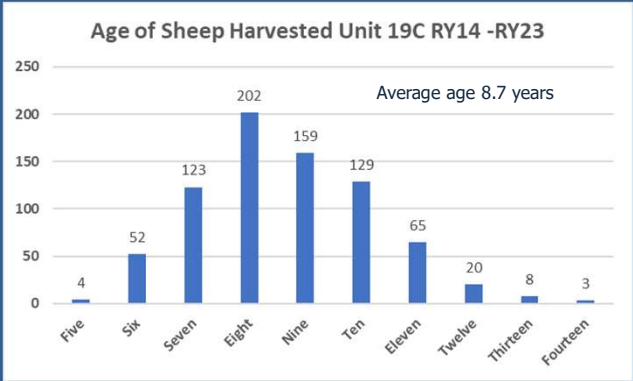
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RY18	0	0	0	2
RY19	1	3	4	7
RY20 (closed)	0	0	0	0
RY21 (restricted)	0	0	0	0
RY22 (restricted)	0	0	0	2
Average	1	1	2	4

457

457

Proposal 91

19C Sheep

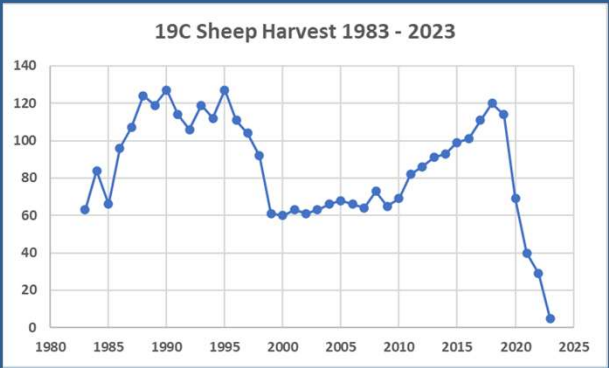


458

458

Proposal 91

19C Sheep



459

459

Proposal 91

19C Sheep

Sheep Surveys

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

460

460

Proposal 9119C Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

461

461

Proposal 9119C Sheep**Additional Considerations**

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

462

462

Proposal 91

19C Sheep

■ Effect of the proposal

■ Modify sheep hunting seasons in Unit 19C by adopting the recommendations of the sheep working group into regulation

■ Department recommendation

■ Neutral

■ Public proposal

463

463

Proposal 92

Unit 19 Sheep

■ Effect of the proposal

■ Close all nonresident sheep hunting in Unit 19

■ Department recommendation

■ Neutral

■ Public proposal

464

464

Proposal 92

Unit 19 Sheep

■ Current regulations

■ Proposal 204 was submitted by the board to close all sheep hunting in Unit 19C

■ At the March 2023 meeting proposal 204 amended

- Close all nonresident hunting in Unit 19C
- Close the youth hunt in Unit 19C

465

465

Proposal 92

Unit 19 Sheep

■ Current regulations in Unit 19C

■ August 10 – September 20 general season harvest ticket

- Residents only (1 full curl ram)

■ October 1 – April 30 winter hunt RS380

- Residents only (1 ram < ¾ curl)

466

466

Proposal 92

Unit 19 Sheep

■ Current regulations Unit 19B

■ August 1 – Aug 5 Youth hunt

■ 1 full curl ram

■ August 10 – September 20 general season harvest ticket

■ Residents (1 full curl ram)

■ August 10 – September 20 general season harvest ticket

■ Nonresidents (1 full curl ram every 4 years)

467

467

Proposal 92

Unit 19 Sheep

■ Proposed regulations

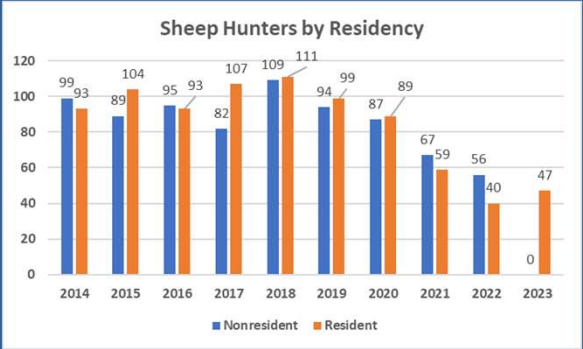
■ Close all nonresident sheep seasons in Unit 19

468

468

Proposal 92

Unit 19 Sheep

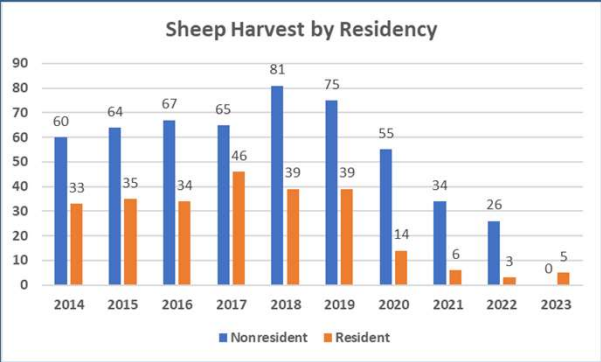


469

469

Proposal 92

Unit 19 Sheep

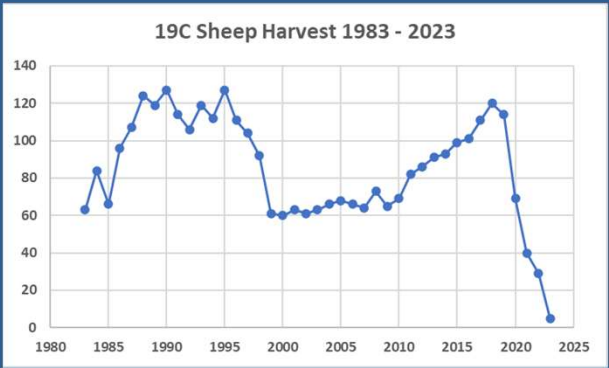


470

470

Proposal 92

Unit 19 Sheep



471

471

Proposal 92

Unit 19 Sheep

19B Harvest Data

- RY14 – RY23 average participation
 - Residents 6 hunters per year
 - Nonresidents < 1 hunter per year
- RY14 – RY23 average harvest
 - Residents 2 sheep per year
 - Nonresidents < 1 sheep per year

472

472

Proposal 92Unit 19 Sheep**Sheep Surveys**

- We began consistent surveys in 2010
 - This was the period when sheep harvest began increasing
- 2019 was the first year we observed a decline
 - Sheep harvest did not reflect that
- No survey in 2020 or 2021 due to poor weather
 - 2020 lots of calls concerned about sheep numbers
 - 2020 ACR submitted to close or shorten the sheep season
 - 2021 ACR submitted to implement a nonresident draw

473

473

Proposal 92Unit 19 Sheep**Sheep Surveys**

- Winter 2021/2022 also very difficult
 - Freezing rain on Christmas Day 2021
 - Snow in May 2022 and 2023 during lambing season
- 2023 Survey Results
 - 6 areas surveyed 413 total sheep
 - Overall decline of 62% compared to 2010 – 2019 average
 - 90% decline in eastern portion of the Unit
 - 73 lambs or 18%
 - 13 full curl rams or 3%

474

474

Proposal 92

Unit 19 Sheep

Additional Considerations

- Fall sheep hunting managed using full-curl strategy
 - Older male harvest only
 - Very small segment of overall population
 - Self limiting during population fluctuations
 - Provides liberal hunting opportunity
 - Can lead to crowding issues and user conflicts

475

475

Proposal 92

Unit 19 Sheep

- Effect of the proposal
 - Close all nonresident sheep hunting in Unit 19
- Department recommendation
 - Neutral
- Public proposal

476

476

Proposal 95

19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

477

477

Proposal 95

19C Brown Bear

- Current regulations
 - Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

478

478

Proposal 95

19C Brown Bear

Amounts Necessary for Subsistence

- Negative C&T finding in Unit 19C

479

479

Proposal 95

19C Brown Bear

- Proposed regulations
 - Open season August 10
 - Close season June 30
 - All hunters
 - Increase of 52 days
 - Aligns 19C season dates with Units 19A, 19D, and 19E

480

480

Proposal 95

19C Brown Bear

■ Harvest RY18 – RY22

■ Average 22 bears/year

■ Average age 6 years

■ Average skull size 20.3 inches

■ Average 39% females

■ 77% of harvest in fall

■ 74% of bears taken by nonresidents

481

481

Proposal 95

19C Brown Bear

■ Population

■ Unit 19C 260 brown bears

482

482

Proposal 95

19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

483

483

Proposal 93

19B&C Brown Bear

- Effect of the proposal
 - Lengthen brown bear seasons in Units 19B and 19C for all hunters
- Department recommendation
 - Support
- Public proposal

484

484

Proposal 93

19B&C Brown Bear

- Current general season regulations
 - Sept 1 – May 31 (Units 19B and 19C)
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

485

485

Proposal 93

19B&C Brown Bear

Amounts Necessary for Subsistence

- Positive C&T finding in Unit 19B
 - ANS 5 brown bears in Units 19A and 19B downstream of and including the Aniak River Drainage
- Negative C&T finding in Unit 19C

486

486

Proposal 9319B&C Brown Bear■ Current subsistence regulations

- Aug 10 – June 30 (Unit 19B Aniak River Drainage) RB601
 - Residents only
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - No locking tag
 - Salvage of meat required
 - Sealing not required unless removed from area or commercially tanned

487

487

Proposal 9319B&C Brown Bear■ Proposed general season regulations

- Open season in Units 19B and 19C Aug 10 – May 31
 - All hunters
 - Increase of 22 days

488

488

Proposal 93

19B&C Brown Bear

■ Harvest RY18 – RY22

■ Average 35 bears/year

■ Average age 6.5 years

■ Average skull size 20.7 inches

■ Average 36% females

■ 88% of harvest in fall

■ 78% of bears taken by nonresidents

489

489

Proposal 93

19B&C Brown Bear

■ Population

■ Unit 19B 560 brown bears

■ Unit 19C 260 brown bears

490

490

Proposal 93 19B&C Brown Bear

- Effect of the proposal
 - Lengthen brown bear seasons in Units 19B and 19C for all hunters
- Department recommendation
 - Support
- Public proposal

491

491

Proposal 94 19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

492

492

Proposal 94

19C Brown Bear

■ Current regulations

- Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

493

493

Proposal 94

19C Brown Bear

Amounts Necessary for Subsistence

- Negative C&T finding in Unit 19C

494

494

Proposal 94

19C Brown Bear

■ Proposed regulations

■ Open season August 10

■ Close season June 30

■ All hunters

■ Increase of 52 days

■ Aligns 19C season dates with Units 19A, 19D, and 19E

495

495

Proposal 94

19C Brown Bear

■ Harvest RY18 – RY22

■ Average 22 bears/year

■ Average age 6 years

■ Average skull size 20.3 inches

■ Average 39% females

■ 77% of harvest in fall

■ 74% of bears taken by nonresidents

496

496

Proposal 94

19C Brown Bear

- Population

- Unit 19C 260 brown bears

497

497

Proposal 94

19C Brown Bear

- Effect of the proposal

- Lengthen brown bear season in Unit 19C for all hunters

- Department recommendation

- Support

- Public proposal

498

498

Proposal 96

19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

499

499

Proposal 96

19C Brown Bear

- Current regulations
 - Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

500

500

Proposal 96

19C Brown Bear

Amounts Necessary for Subsistence

- Negative C&T finding in Unit 19C

501

501

Proposal 96

19C Brown Bear

- Proposed regulations
 - Open season August 10 – May 31
 - All hunters
 - Increase of 22 days

502

502

Proposal 96

19C Brown Bear

■ Harvest RY18 – RY22

■ Average 22 bears/year

■ Average age 6 years

■ Average skull size 20.3 inches

■ Average 39% females

■ 77% of harvest in fall

■ 74% of bears taken by nonresidents

503

503

Proposal 96

19C Brown Bear

■ Population

■ Unit 19C 260 brown bears

504

504

Proposal 96

19C Brown Bear

■ Effect of the proposal

■ Lengthen brown bear season in Unit 19C for all hunters

■ Department recommendation

■ Support

■ Public proposal

505

505

Proposal 97

19C Brown Bear

■ Effect of the proposal

■ Lengthen brown bear season and increase bag limit in Unit 19C for all hunters

■ Department recommendation

■ Support

■ Public proposal

506

506

Proposal 97

19C Brown Bear

■ Current regulations

- Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

507

507

Proposal 97

19C Brown Bear

Amounts Necessary for Subsistence

- Negative C&T finding in Unit 19C

508

508

Proposal 97

19C Brown Bear

- Proposed regulations
 - Open season August 10
 - Close season June 30
 - 2 bear bag limit every regulatory year
 - All hunters
 - Increase of 52 days

509

509

Proposal 97

19C Brown Bear

- Harvest RY18 – RY22
 - Average 22 bears/year
 - Average age 6 years
 - Average skull size 20.3 inches
 - Average 39% females
 - 77% of harvest in fall
 - 74% of bears taken by nonresidents

510

510

Proposal 97

19C Brown Bear

- 2 bear bag limit data Units 19A, 19D, 19E and 21
 - RY12 – RY22
 - Most hunters only take 1 bear per year
 - Only 5 of 116 hunters took 2 bears
 - Additional harvest from the bag limit change likely to be low

511

511

Proposal 97

19C Brown Bear

- Population
 - Unit 19C 260 brown bears

512

512

Proposal 97

19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season and increase bag limit in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

513

513

Proposal 98

19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

514

514

Proposal 98

19C Brown Bear

■ Current regulations

- Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

515

515

Proposal 98

19C Brown Bear

Amounts Necessary for Subsistence

- Negative C&T finding in Unit 19C

516

516

Proposal 98

19C Brown Bear

■ Proposed regulations

- Open season August 10
- Close season June 30
- All hunters
- Increase of 52 days
- Aligns 19C season dates with Units 19A, 19D, and 19E

517

517

Proposal 98

19C Brown Bear

■ Harvest RY18 – RY22

- Average 22 bears/year
- Average age 6 years
- Average skull size 20.3 inches
- Average 39% females
- 77% of harvest in fall
- 74% of bears taken by nonresidents

518

518

Proposal 98

19C Brown Bear

- Population

- Unit 19C 260 brown bears

519

519

Proposal 98

19C Brown Bear

- Effect of the proposal

- Lengthen brown bear season in Unit 19C for all hunters

- Department recommendation

- Support

- Public proposal

520

520

Proposal 99

19C Brown Bear

- Effect of the proposal
 - Lengthen brown bear season in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

521

521

Proposal 99

19C Brown Bear

- Current regulations
 - Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

522

522

Proposal 99

19C Brown Bear

Amounts Necessary for Subsistence

- Negative C&T finding in Unit 19C

523

523

Proposal 99

19C Brown Bear

- Proposed regulations
 - Open season August 10 – May 31
 - All hunters
 - Increase of 22 days

524

524

Proposal 99

19C Brown Bear

■ Harvest RY18 – RY22

■ Average 22 bears/year

■ Average age 6 years

■ Average skull size 20.3 inches

■ Average 39% females

■ 77% of harvest in fall

■ 74% of bears taken by nonresidents

525

525

Proposal 99

19C Brown Bear

■ Population

■ Unit 19C 260 brown bears

526

526

Proposal 99

19C Brown Bear

■ Effect of the proposal

■ Lengthen brown bear season in Unit 19C for all hunters

■ Department recommendation

■ Support

■ Public proposal

527

527

Proposal 100

19E Brown Bear

■ Effect of the proposal

■ No closed season for brown bear in Unit 19E for residents

■ Department recommendation

■ Support

■ Public proposal

528

528

Proposal 100

19E Brown Bear

■ Current regulations

- Aug 10 – June 30
 - Two brown bears every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required

529

529

Proposal 100

19E Brown Bear

Amounts Necessary for Subsistence

- 2022 Board split 19A into 19A and 19E
- Prior to split only a C&T finding in Aniak drainage
- No C&T finding in Unit 19E

530

530

Proposal 100

19E Brown Bear

■ Proposed regulations

- No closed season
- Resident hunters only
- Increase of 40 days

531

531

Proposal 100

19E Brown Bear

■ Brown Bear Harvest RY18 – RY22

- Total 4 bears
- 50% females
- 50% of harvest in spring
- 75% of bears taken by nonresidents

532

532

Proposal 100

19E Brown Bear

■ Population

- Unit 19E 50 brown bears

533

533

Proposal 100

19E Brown Bear

■ Effect of the proposal

- No closed season for brown bear in Unit 19E for residents

■ Department recommendation

- Support

■ Public proposal

534

534

Proposal 10119C Brown Bear

- Effect of the proposal
 - Allow brown bears to be taken over bait and same day airborne over bait in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

535

535

Proposal 10119C Brown Bear

- Current regulations
 - Sept 1 – May 31
 - One brown bear every regulatory year
 - Cubs and sows with cubs may not be taken
 - Sealing required
 - April 15 – June 30
 - Black bear bait stations may be established
 - Black bears may be taken at permitted bait station the same day airborne if at least 300' from plane

536

536

Proposal 101

19C Brown Bear

■ Proposed regulations

- Allow take of brown bear over bait April 15 – May 31
- Allow take over bait same day airborne if at least 300' from the plane

537

537

Proposal 101

19C Brown Bear

■ Harvest RY18 – RY22

- Average 22 bears/year
- Average age 6 years
- Average skull size 20.3 inches
- Average 39% females
- 77% of harvest in fall
- 74% of bears taken by nonresidents

538

538

Proposal 101

19C Brown Bear

■ Registered bait stations RY18 – RY22

■ Only 4 bait stations registered in 19C

■ Unit 19D which has spring and fall bait seasons, no brown bears taken over bait

539

539

Proposal 101

19C Brown Bear

■ Population

■ Unit 19C 260 brown bears

540

540

Proposal 101

19C Brown Bear

- Effect of the proposal
 - Allow brown bears to be taken over bait and same day airborne over bait in Unit 19C for all hunters
- Department recommendation
 - Support
- Public proposal

541

541

Proposal 102

19E Bear Baiting

- Effect of the proposal
 - Open a fall bait season for black and brown bear in Unit 19E
- Department recommendation
 - Support
- Public proposal

542

542

Proposal 10219E Bear Baiting■ Current black bear regulations

■ No closed season

- Five black bears every regulatory year
- Black bears may be taken over bait Apr 15 – June 30 and taken same day airborne over bait if at least 300' from plane
- Cubs and sows with cubs may not be taken

543

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Proposal 10219E Bear Baiting■ Current brown bear regulations

■ Aug 10 – June 30

- Two brown bears every regulatory year
- Brown bears may be taken over bait Apr 15 – June 30 and taken same day airborne over bait if at least 300' from plane
- Cubs and sows with cubs may not be taken
- Sealing required

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Proposal 102

19E Bear Baiting

■ Proposed regulations

- Allow take of black and brown bears over bait Aug 1 – Sept 30
- Proposal did not specify same day airborne take over bait

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Proposal 102

19E Bear Baiting

■ Brown Bear Harvest RY18 – RY22

- Total 4 bears
- 50% females
- 50% of harvest in spring
- 75% of bears taken by nonresidents
- 1 taken over bait

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Proposal 102

19E Bear Baiting

- Registered bait stations RY18 – RY22
 - Average 2 bait stations per year in 19E
 - Unit 19D which has spring and fall bait seasons, no brown bears taken over bait

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Proposal 102

19E Bear Baiting

- Population
 - 50 brown bears
 - 750 black bears

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Proposal 102

19E Bear Baiting

- Effect of the proposal
 - Open a fall bait season for black and brown bear in Unit 19E
- Department recommendation
 - Support
- Public proposal

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Proposal 103

19B&C Black Bear

- Effect of the proposal
 - Increase black bear bag limit in Units 19B and 19C
- Department recommendation
 - Support
- Public proposal

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Proposal 10319B&C Black Bear■ Current black bear regulations

■ No closed season

- 3 black bears every regulatory year
- Black bears may be taken over bait Apr 15 – June 30 and taken same day airborne over bait if at least 300' from plane
- Cubs and sows with cubs may not be taken
- Sealing only required if transporting out of state or selling

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Proposal 10319B&C Black Bear■ Proposed regulations

- Increase black bear bag limit from 3 to 5
- Consistent with the rest of Unit 19

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Proposal 103

19B&C Black Bear

- Harvest RY18 – RY22
 - Average 21 bears per year
 - 21% females
 - 5 hunters harvested 2 bears
 - No hunters harvested 3 bears

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Proposal 103

19B&C Black Bear

- Population
 - 1,300 – 1,500 black bears Unit 19B
 - 1,000 – 1,200 black bears Unit 19C

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Proposal 103

19B&C Black Bear

■ Effect of the proposal

■ Increase black bear bag limit in Units 19B and 19C

■ Department recommendation

■ Support

■ Public proposal

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Proposal 104

19D Black Bear

■ Effect of the proposal

■ Eliminate black bear harvest ticket requirement in 19D

■ Department recommendation

■ Support

■ McGrath AC proposal

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Proposal 10419D Black Bear

- Current black bear regulations
 - No closed season
 - 5 black bears every regulatory year
 - Harvest ticket required
 - Cubs and sows with cubs may not be taken
 - Sealing only required if transporting out of state or selling

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Proposal 10419D Black Bear

- Proposed regulations
 - Eliminate harvest ticket requirement for black bears in Unit 19D
 - Consistent with the rest of Unit 19

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Proposal 10419D Black Bear■ Background

- Harvest tickets expire June 30
- No closed season for black bear
- A hunter in the field June 30 needs a new harvest ticket July 1
- Hunters need to keep track of harvest tickets across license years from fall to spring (many people lose them)
- Harvest ticket data do not contribute to our management

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Proposal 10419D Black Bear■ Harvest RY18 – RY22

- Average 15 bears per year
- 22% females
- 66% of bears taken by residents

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Proposal 104

19D Black Bear

- Population
 - 3,000 – 6,000 black bears Unit 19D

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Proposal 104

19D Black Bear

- Effect of the proposal
 - Eliminate black bear harvest ticket requirement in 19D
- Department recommendation
 - Support
- McGrath AC proposal

562

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Proposal 105

21A Bear Baiting

- Effect of the proposal
 - Allow take of brown bear over bait Apr 15 – June 30 and open a fall bait season for black and brown bear Aug 10 – Oct 30
- Department recommendation
 - Support
- McGrath AC proposal

563

563

Proposal 105

21A Bear Baiting

- Current brown bear regulations
 - Aug 10 – June 30
 - Two brown bears every regulatory year (residents)
 - One brown bear every regulatory year (nonresidents)
 - Cubs and sows with cubs may not be taken
 - Sealing required

564

564

Proposal 105

21A Bear Baiting

■ Current black bear regulations

■ No closed season

- Three black bears every regulatory year
- Black bears may be taken over bait Apr 15 – June 30 and taken same day airborne over bait if at least 300' from plane
- Cubs and sows with cubs may not be taken

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Proposal 105

21A Bear Baiting

■ Proposed regulations

- Allow take of brown bear over bait Apr 15 – June 30
- Open a black and brown bear bait season Aug 10 – Oct 31
- Proposal did not specify same day airborne take over bait

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Proposal 105

21A Bear Baiting

- Brown Bear Harvest RY18 – RY22
 - Average 1 bear per year
- Black Bear Harvest RY18 – RY22
 - Average 1 bear per year

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Proposal 105

21A Bear Baiting

- Registered bait stations since RY14
 - Only 1 bait station has been registered in Unit 21A since RY14
 - Unit 19D which has spring and fall bait seasons, no brown bears taken over bait

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Proposal 105

21A Bear Baiting

■ Population

- 190 brown bears
- 2,400 black bears

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Proposal 105

21A Bear Baiting

■ Effect of the proposal

- Allow take of brown bear over bait Apr 15 – June 30 and open a fall bait season for black and brown bear Aug 10 – Oct 30

■ Department recommendation

- Support

■ McGrath AC proposal

570

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Proposal 106

21E Brown Bear

- Effect of the proposal
 - Allow take of brown bear over bait Apr 15 – June 30
- Department recommendation
 - Support
- GASH AC proposal

571

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Proposal 106

21E Brown Bear

- Current brown bear regulations
 - Aug 10 – June 30
 - Two brown bears every regulatory year (residents)
 - One brown bear every regulatory year (nonresidents)
 - Cubs and sows with cubs may not be taken
 - Sealing required

572

572

Proposal 10621E Brown Bear■ Current black bear regulations

■ No closed season

- Three black bears every regulatory year
- Black bears may be taken over bait Apr 15 – June 30 and taken same day airborne over bait if at least 300' from plane
- Cubs and sows with cubs may not be taken

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Proposal 10621E Brown Bear■ Proposed regulations

- Allow take of brown bear over bait Apr 15 – June 30
- Proposal did not specify same day airborne take over bait

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Proposal 106

21E Brown Bear

■ Brown Bear Harvest RY18 – RY22

- Average 3 bears per year
- 43% males

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Proposal 106

21E Brown Bear

■ Registered bait stations since RY13

- Only 2 bait stations have been registered in Unit 21E since RY13
- Unit 19D which has spring and fall bait seasons, no brown bears taken over bait

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Proposal 106

21E Brown Bear

- Population

- 200 brown bears

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Proposal 106

21E Brown Bear

- Effect of the proposal

- Allow take of brown bear over bait Apr 15 – June 30

- Department recommendation

- Support

- GASH AC proposal

578

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Proposal 107

21E Bear Baiting

- Effect of the proposal
 - Allow take of brown bear over bait Apr 15 – June 30 and open a fall bait season for black and brown bear Aug 10 – Oct 15
- Department recommendation
 - Support
- Public proposal

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Proposal 107

21E Bear Baiting

- Current brown bear regulations
 - Aug 10 – June 30
 - Two brown bears every regulatory year (residents)
 - One brown bear every regulatory year (nonresidents)
 - Cubs and sows with cubs may not be taken
 - Sealing required

580

580

Proposal 10721E Bear Baiting■ Current black bear regulations

■ No closed season

- Three black bears every regulatory year
- Black bears may be taken over bait Apr 15 – June 30 and taken same day airborne over bait if at least 300' from plane
- Cubs and sows with cubs may not be taken

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Proposal 10721E Bear Baiting■ Proposed regulations

- Allow take of brown bear over bait Apr 15 – June 30
- Open a black and brown bear bait season Aug 10 – Oct 15
- Proposal did not specify same day airborne take over bait

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Proposal 107

21E Bear Baiting

- Brown Bear Harvest RY18 – RY22
 - Average 3 bears per year
- Black Bear Harvest RY18 – RY22
 - Average 1 bear per year

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Proposal 107

21E Bear Baiting

- Registered bait stations since RY13
 - Only 2 bait stations have been registered in Unit 21E since RY13
 - Unit 19D which has spring and fall bait seasons, no brown bears taken over bait

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Proposal 107

21E Bear Baiting

■ Population

- 200 brown bears
- 2,000 black bears

585

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Proposal 107

21E Bear Baiting

■ Effect of the proposal

- Allow take of brown bear over bait Apr 15 – June 30 and open a fall bait season for black and brown bear Aug 10 – Oct 15

■ Department recommendation

- Support

■ Public proposal

586

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