

# Proposal 31 Muskox / Unit 22A, 21D and 24D

Provide a muskox hunting opportunity in Units 22A, 21D and 24D, Feb 1-Apr 30

Middle Yukon Advisory Committee

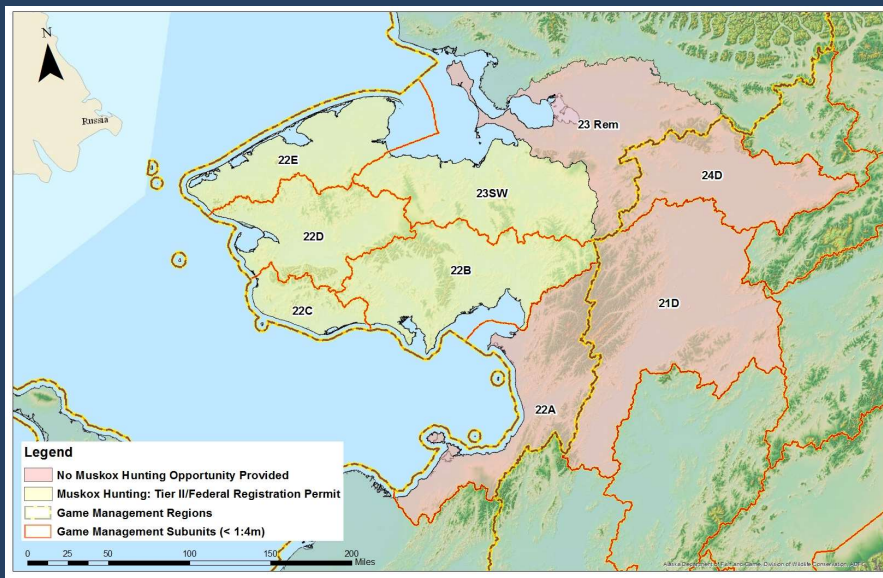
Recommendation: Neutral

Northern Norton Sound AC	Support as Amended (13-0)
Southern Norton Sound AC	Support as Amended (13-0)
Middle Yukon AC	TBD
Koyukuk River AC	TBD

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# Proposal 31 Muskox / Unit 22A, 21D and 24D



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## Proposal 31 Muskox / Unit 22A, 21D and 24D

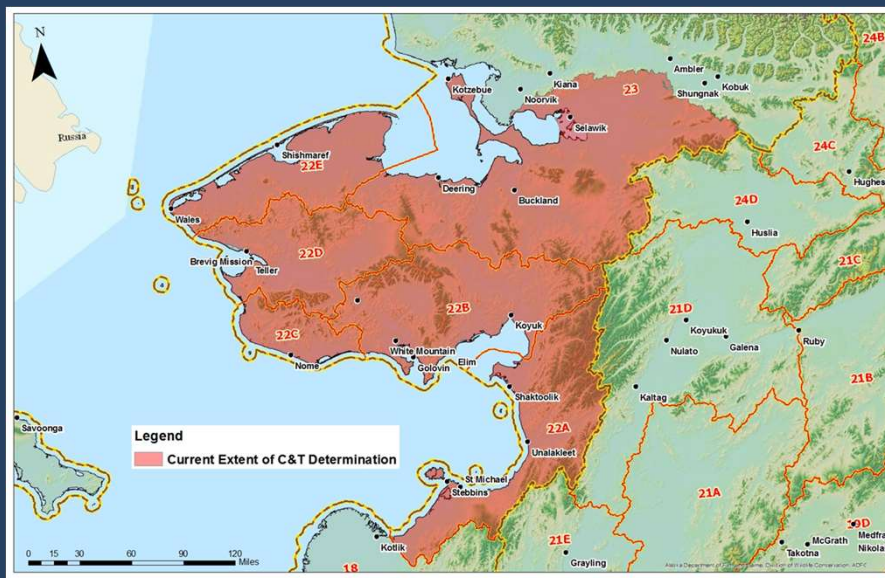
### Regulatory History:

- Customary and Traditional Use Determination (C&T)
  - Negative (1995)
  - Positive (1998)
  - “(9) Musk Oxen... Unit 22 and Unit 23 south and west of the Kobuk River Drainage”
- Amount Reasonably Necessary for Subsistence Use’s (ANS)
  - 100-150, including 10-25 in Unit 22E
- A C&T for Units 21D and 24D has not been made

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## Proposal 31 Muskox / Unit 22A, 21D and 24D



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## Proposal 31 Muskox / Unit 22A, 21D and 24D

### Population Information:

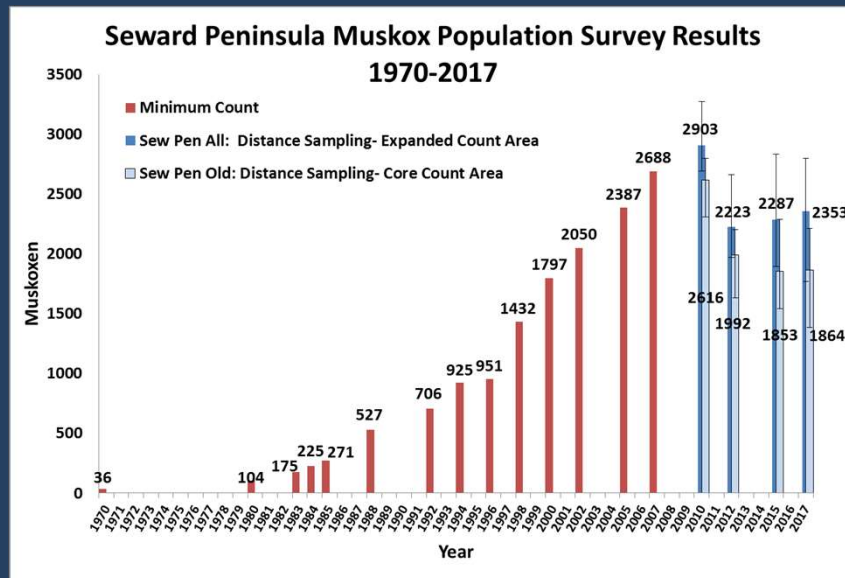
- Source Population
  - Nunivak Island
  
- Initial Transplant
  - 1970
  - 36 Muskox
  - Feather River
  
- Supplemental Transplant
  - 1981
  - 35 Muskox
  - Port Clarence



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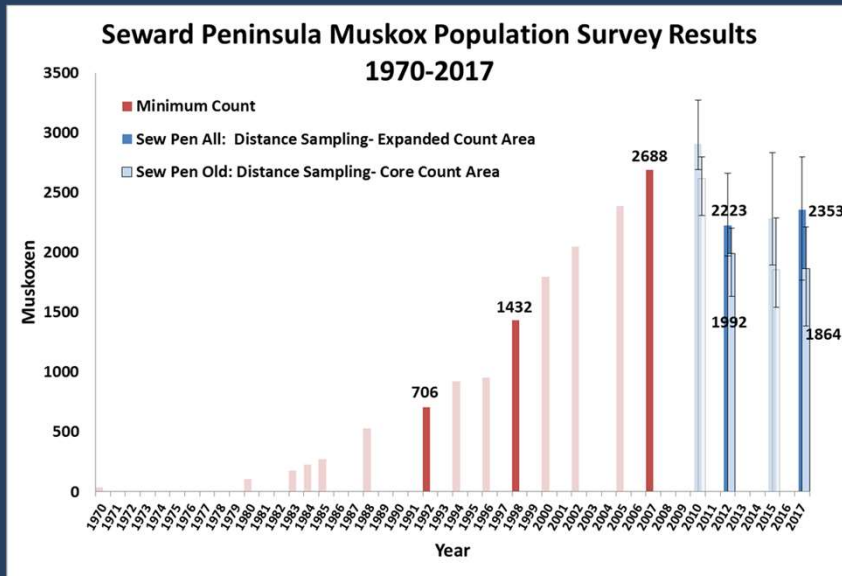
## Proposal 31 Muskox / Unit 22A, 21D and 24D



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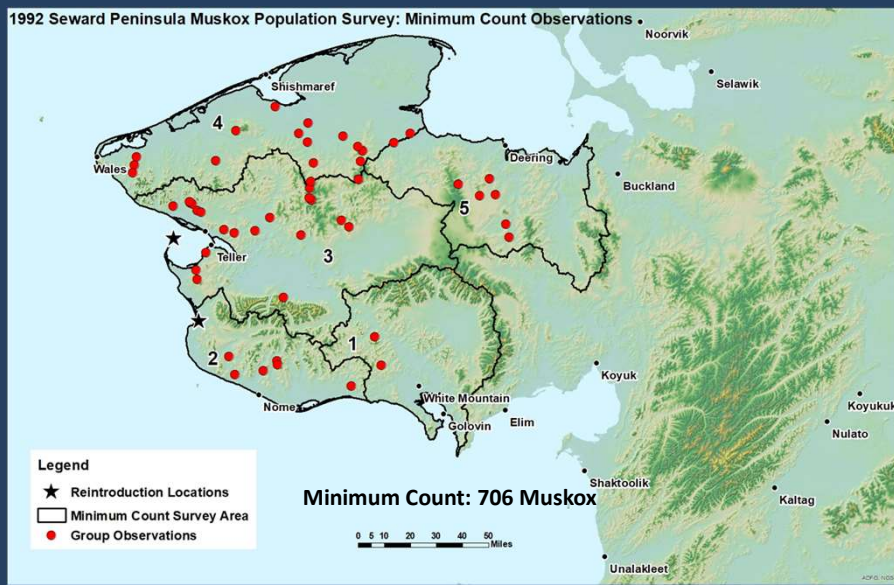
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# Proposal 31 Muskox / Unit 22A, 21D and 24D

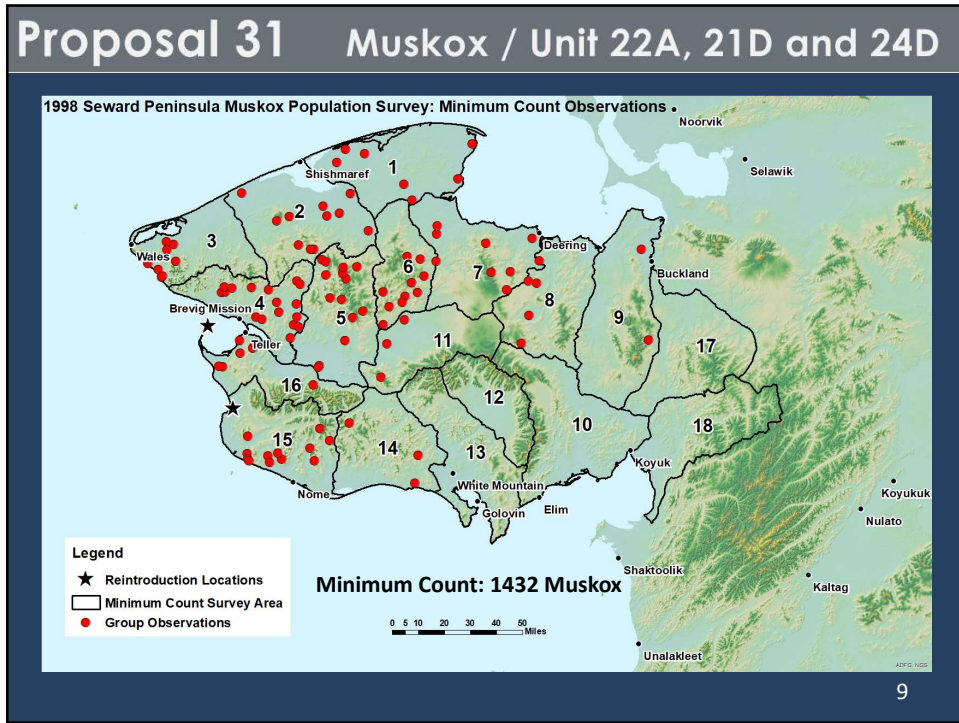


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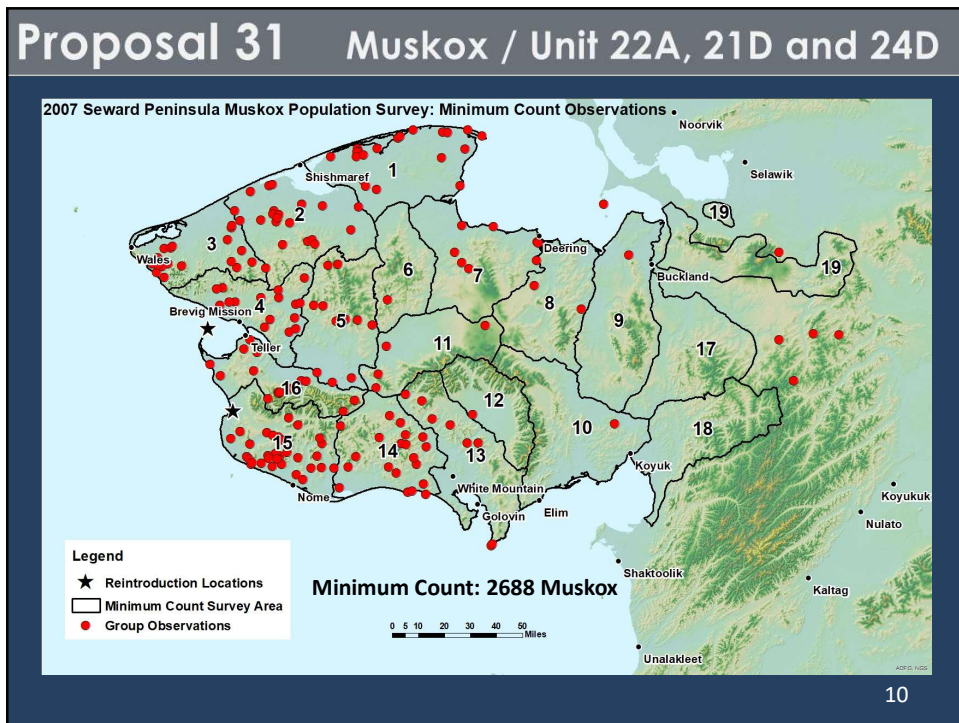
# Proposal 31 Muskox / Unit 22A, 21D and 24D



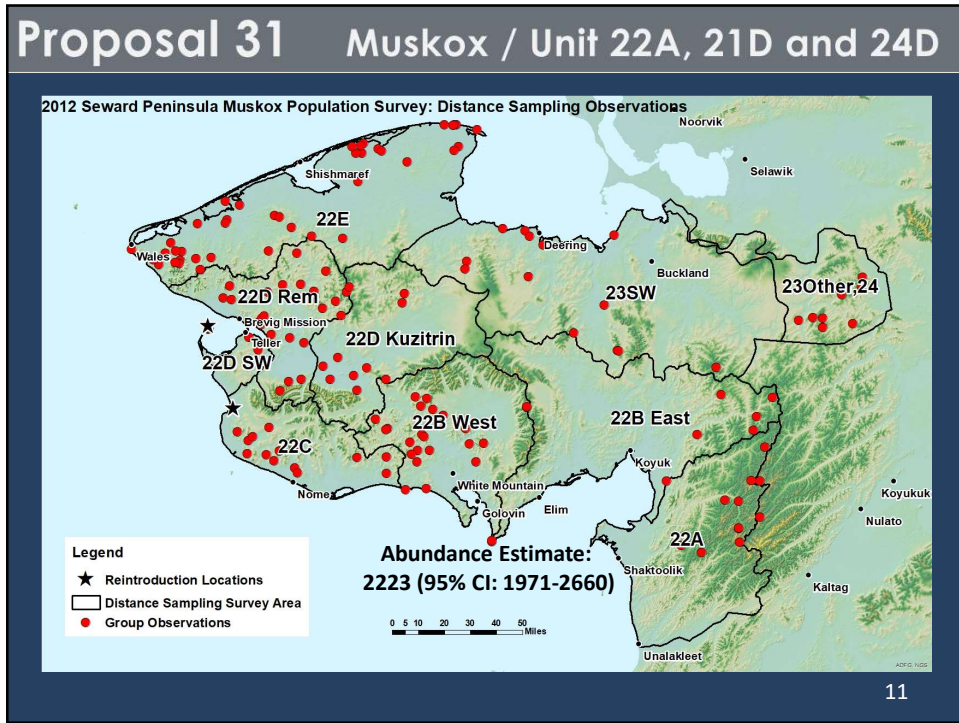
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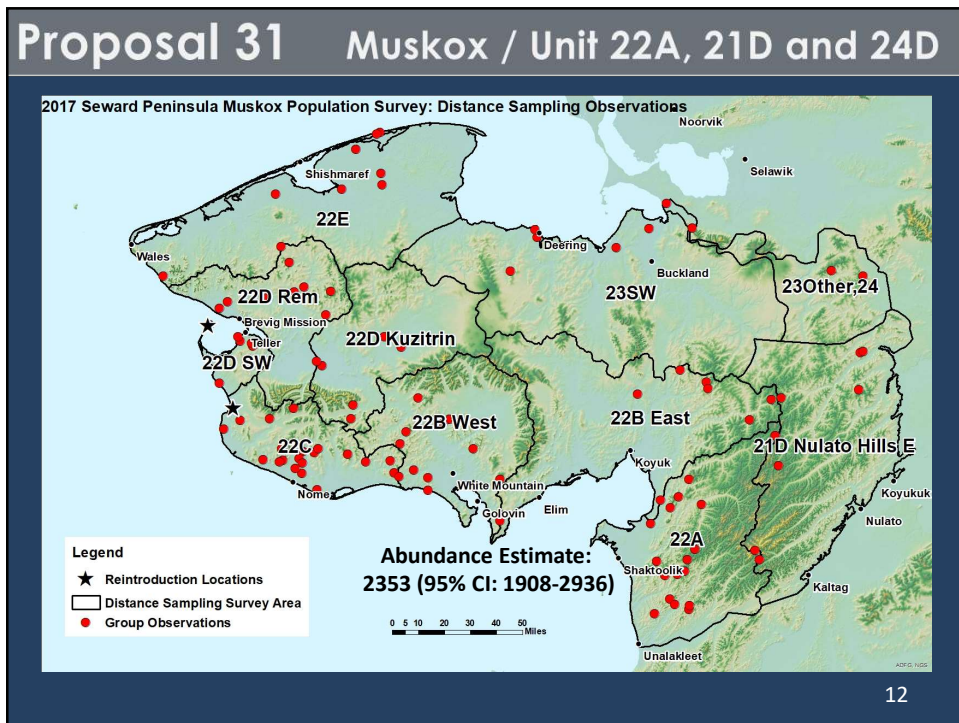
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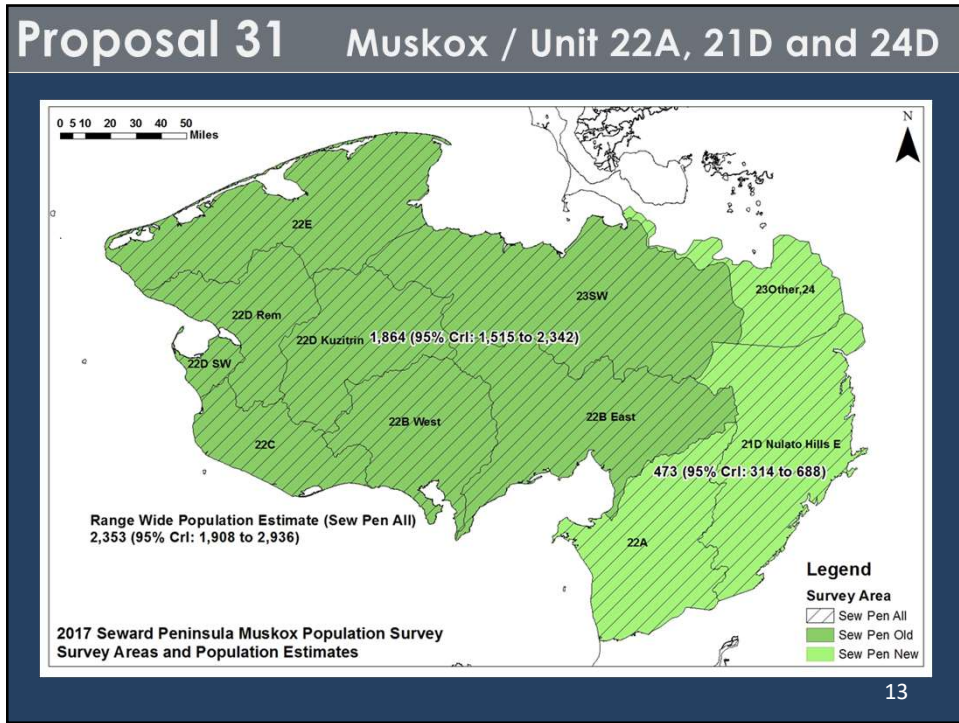
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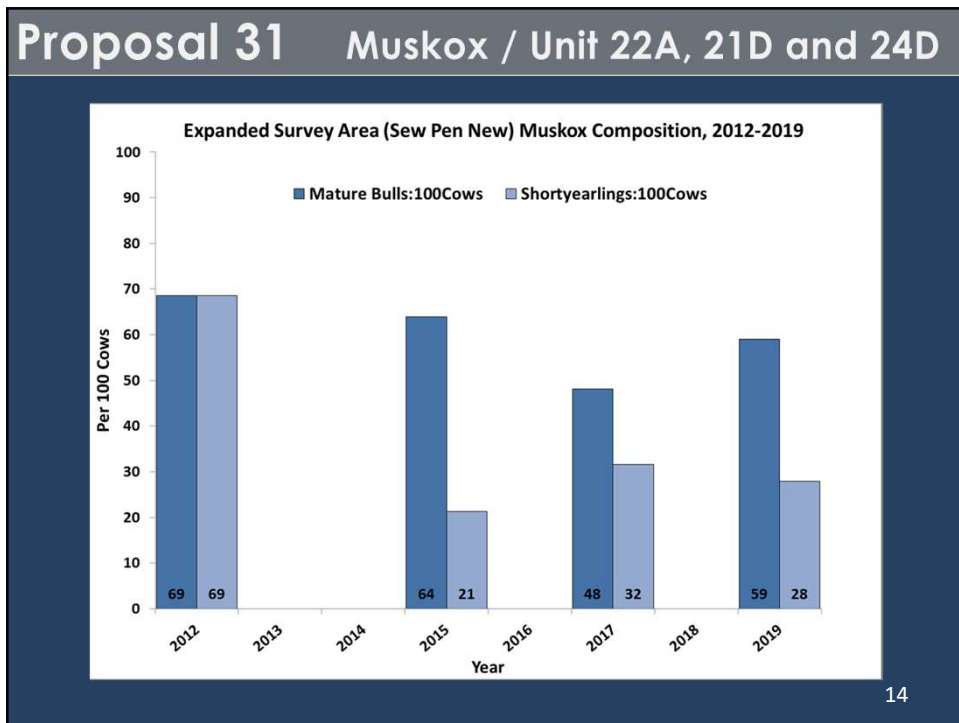
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## Proposal 31 Muskox / Unit 22A, 21D and 24D

### Harvestable Surplus:

- Harvest Guidelines
  - $\leq 2\%$  of the Population
  - OR
  - $\leq 10\%$  of the Mature Bulls
- Estimated Harvestable Surplus
  - 22A, 21D and 24D Combined
    - 9 Bulls



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## Proposal 31 Muskox / Unit 22A, 21D and 24D

### Management Considerations



- Proposed Season Dates: Feb 1-Apr 30
  - Calving: Late April-Mid June
  - Calving Complications
  - Abandonment

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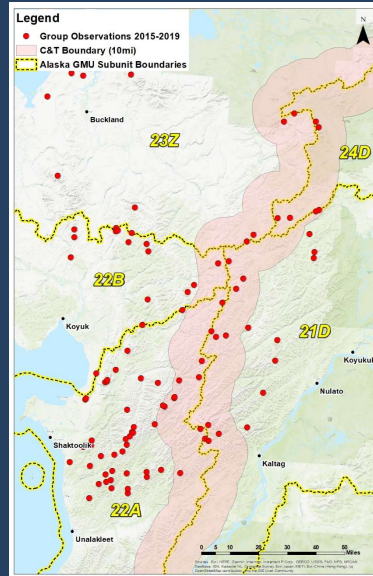
## Proposal 31 Muskox / Unit 22A, 21D and 24D

### Management Considerations



#### Group Observations (2015-2019)

- Within 50 miles: 357 muskox
- Within 10 miles: 107 muskox



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## Proposal 31 Muskox / Unit 22A, 21D and 24D

### AC Recommendations

#### NNSAC

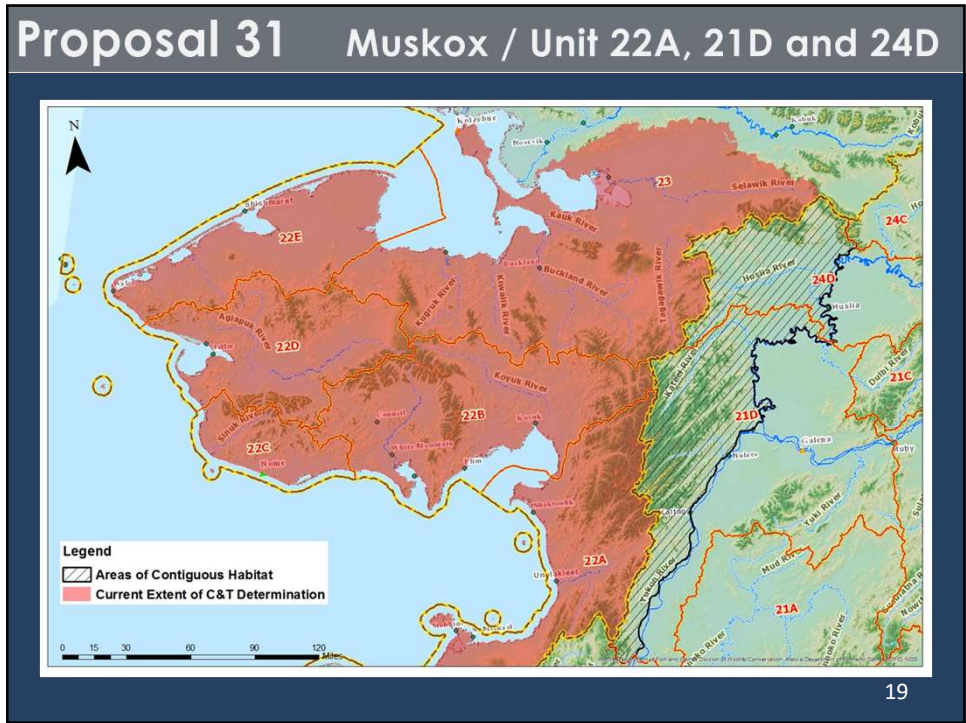
- Support as Amended
- Season Dates:
  - February 1-March 15th
- Discussion
  - Expand the C&T
  - Maintain continuity across GMU boundaries

#### SNSAC

- Support as Amended
- Season Dates:
  - February 1-March 15th
- Discussion
  - Expand the C&T
  - Maintain continuity across GMU boundaries

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**Proposal 31 Muskox / Unit 22A, 21D and 24D**

**AC Recommendations**

5 AAC 99.025 (9) Muskoxen

Species & Unit	Finding	Amount Reasonably Necessary for Subsistence Uses
Unit 22 [AND], Unit 23, that portion south and west of the Kobuk River drainage, Unit 21D, west of the west bank of the Yukon and Koyukuk River and Unit 24D that portion west of the west bank of the Koyukuk River below and including the Dakli River drainage.	Positive	100-150, including 10-25 in Unit 22(E)

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**Proposal 31** Muskox / Unit 22A, 21D and 24D

Provide a muskox hunting opportunity in Units 22A, 21D and 24D, Feb 1-Apr 30

Middle Yukon Advisory Committee

Recommendation: Neutral

Northern Norton Sound AC	Support as Amended (13-0)
Southern Norton Sound AC	Support as Amended (13-0)
Middle Yukon AC	TBD
Koyukuk River AC	TBD

21

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**Proposal 30** Muskox / Unit 22

Allow muskox hunts in Unit 22 to be eligible for hunting by proxy.

Public Proposal

Recommendation: Defer

Northern Norton Sound AC	Support (13 – 0)
Southern Norton Sound AC	Support (5 – 0)

22

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## Proposal 30

Muskox / Unit 22

### Current Regulations

➤ **5 AAC 91.011 Taking of game by proxy.**

(a) A resident hunter (the proxy) holding a valid resident hunting license may take specified game for another resident (the beneficiary) who is blind, at least 70% physically disabled, developmentally disabled, or 65 years of age or older, as authorized by AS 16.05.405 and this section.

...

(k) *Proxy hunting under this section is only allowed for*

- (1) *caribou;*
- (2) *deer;*
- (3) *moose in Tier II hunts, any-bull hunts, and antlerless moose hunts; and*
- (4) *emperor geese.*

23

23

## Proposal 30

Muskox / Unit 22

### Proposed Regulations

➤ **5 AAC 91.011 Taking of game by proxy.**

(a) A resident hunter (the proxy) holding a valid resident hunting license may take specified game for another resident (the beneficiary) who is blind, at least 70% physically disabled, developmentally disabled, or 65 years of age or older, as authorized by AS 16.05.405 and this section.

...

(k) *Proxy hunting under this section is only allowed for*

- (1) *caribou;*
- (2) *deer;*
- (3) *moose in Tier II hunts, any-bull hunts, and antlerless moose hunts; and*
- (4) *emperor geese; **AND***
- (5) *muskoxen in Tier II hunts in Unit 22.*

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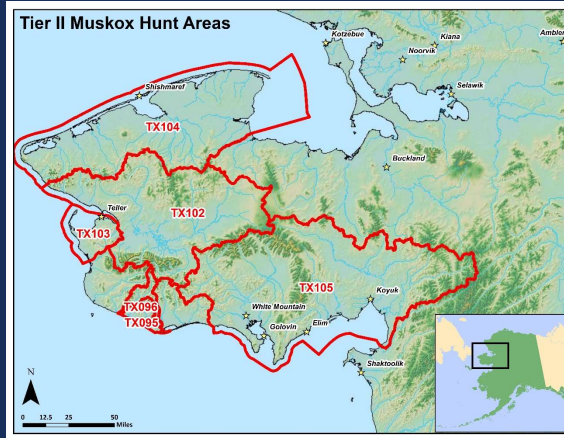
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**Proposal 30**

**Muskox / Unit 22**

**Unit 22 Muskox Tier II Hunt Areas**

- Unit 22: 6 Tier II Hunts
  - 22B: TX105
  - 22C: TX095, TX096
  - 22D: TX102, TX103
  - 22E: TX104



**Proposal 30**

**Muskox / Unit 22**

**Unit 22 Muskox Tier II Information**

Hunt	Amount Necessary for Subsistence (ANS)	Average Annual Applicants	5-year Average Permits Awarded	Hunter Success Rate
TX095 (22C)	100 - 150, including 10 - 25 in Unit 22(E)	52	4	88%
TX096 (22C)	100 - 150, including 10 - 25 in Unit 22(E)	63	3	75%
TX102 (22D)	100 - 150, including 10 - 25 in Unit 22(E)	69	9	59%
TX103 (22D)	100 - 150, including 10 - 25 in Unit 22(E)	37	1	60%
TX104 (22E)	100 - 150, including 10 - 25 in Unit 22(E)	28	6	25%
TX105 (22B)	100 - 150, including 10 - 25 in Unit 22(E)	77	9	38%

<b>Proposal 30</b>	<b>Muskox / Unit 22</b>				
<p><b>Allow muskox hunts in Unit 22 to be eligible for hunting by proxy.</b></p> <p>Public Proposal</p> <p>Recommendation: Defer</p> <table><tr><td><i>Northern Norton Sound AC</i></td><td><i>Support (13 – 0)</i></td></tr><tr><td><i>Southern Norton Sound AC</i></td><td><i>Support (5 – 0)</i></td></tr></table> <p>27</p>		<i>Northern Norton Sound AC</i>	<i>Support (13 – 0)</i>	<i>Southern Norton Sound AC</i>	<i>Support (5 – 0)</i>
<i>Northern Norton Sound AC</i>	<i>Support (13 – 0)</i>				
<i>Southern Norton Sound AC</i>	<i>Support (5 – 0)</i>				

27

<b>Proposal 32</b>	<b>Caribou / Unit 22E</b>				
<p><b>Modify the hunting season for caribou in Unit 22E to include that portion east of and including the Nuluk River drainage.</b></p> <p>Public Proposal</p> <p>Recommendation: Neutral</p> <table><tr><td><i>Northern Norton Sound AC</i></td><td><i>Oppose (1 – 12)</i></td></tr><tr><td><i>Southern Norton Sound AC</i></td><td><i>Take no Action</i></td></tr></table> <p>28</p>		<i>Northern Norton Sound AC</i>	<i>Oppose (1 – 12)</i>	<i>Southern Norton Sound AC</i>	<i>Take no Action</i>
<i>Northern Norton Sound AC</i>	<i>Oppose (1 – 12)</i>				
<i>Southern Norton Sound AC</i>	<i>Take no Action</i>				

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## Proposal 32 Caribou / Unit 22E

### Current Regulations

- 22E, that portion east of and including the Sanaguich River drainage
  - Residents: 5 caribou per day, up to 20 caribou total by registration permit (RC800)
    - Bulls: Jul. 1 – Jun. 30
    - Cows: Jul. 1 – Mar. 31
  - Nonresidents: One bull by harvest ticket (HT)
    - Aug. 1 – Sep. 30
- 22E, remainder
  - *May be announced by emergency order*

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## Proposal 32 Caribou / Unit 22E

### Proposed Expansion

- Proposed expanded area: 1,200 mi<sup>2</sup>

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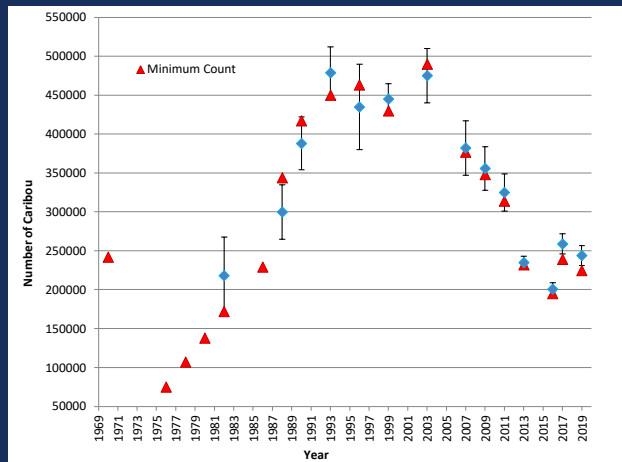
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# Proposal 32

# Caribou / Unit 22E

## Western Arctic Caribou Herd (WACH) Population

- 2019 estimate: 244,000 caribou
- Stable



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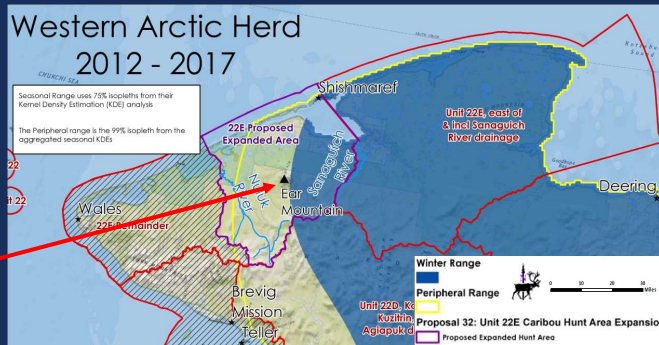
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# Proposal 32

# Caribou / Unit 22E

## Western Arctic Caribou Herd (WACH) Distribution on the Seward Peninsula

- Established pattern of winter use on Seward Peninsula of at least 40% of the herd from 2012 - 2017
- Medium- to High-density winter WACH caribou distribution extends 20mi west into currently closed hunt area to Ear Mountain



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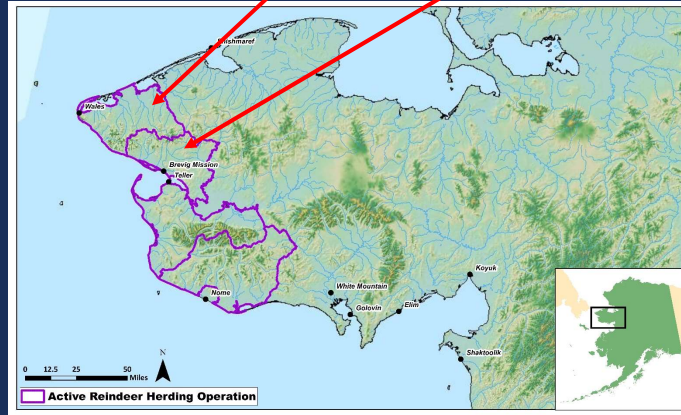


## Proposal 32

Caribou / Unit 22E

### Seward Peninsula Reindeer Grazing Areas

- 15 permitted reindeer grazing areas,
- Only 4 active herding operations
- Active reindeer herds in western 22E and northwestern 22D



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## Proposal 32

Caribou / Unit 22E

Modify the hunting season for caribou in Unit 22E to include that portion east of and including the Nuluk River drainage.

Public Proposal

Recommendation: Neutral

Northern Norton Sound AC *Oppose (1 – 12)*  
Southern Norton Sound AC *Take no Action*

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# Proposal 33

# Moose / Unit 22D Rem

Modify hunting seasons and require a registration permit for moose hunting in Unit 22D Remainder

Department Proposal

Recommendation: Support

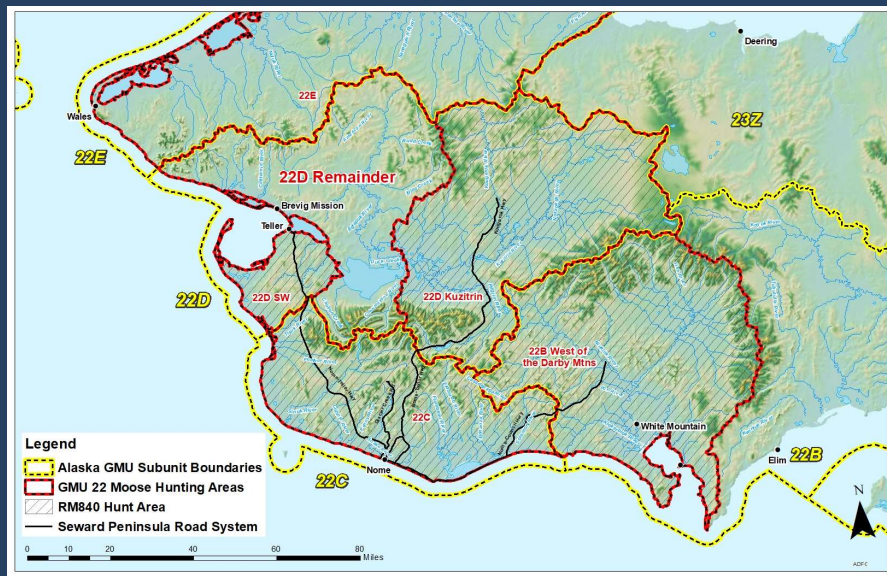
Northern Norton Sound AC Support (11-2)  
Southern Norton Sound AC Take No Action

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# Proposal 33

# Moose / Unit 22D Rem



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Proposal 33		Moose / Unit 22D Rem
<p><b>Current Regulations:</b></p> <ul style="list-style-type: none"> <li>5 AAC 85.045 (20)</li> </ul>		
Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Remainder of Unit 22(D)		
RESIDENT HUNTERS:		
1 bull moose; only antlered bull moose may be taken from Dec. 1-Jan. 31;	Aug. 10-Sept. 14 Oct. 1-Jan. 31	
NONRESIDENT HUNTERS:		
		No open season
		37

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Proposal 33		Moose / Unit 22D Rem
<p><b>Current Regulations:</b></p> <ul style="list-style-type: none"> <li>C&amp;T Determination: Unit 22 Moose, Positive</li> <li>ANS: Unit 22, 250-300 Moose</li> <li>RY2019 Harvestable Surplus: 313 moose                             <ul style="list-style-type: none"> <li>Average RY2005-RY2018: 311 moose</li> </ul> </li> </ul>		
		38

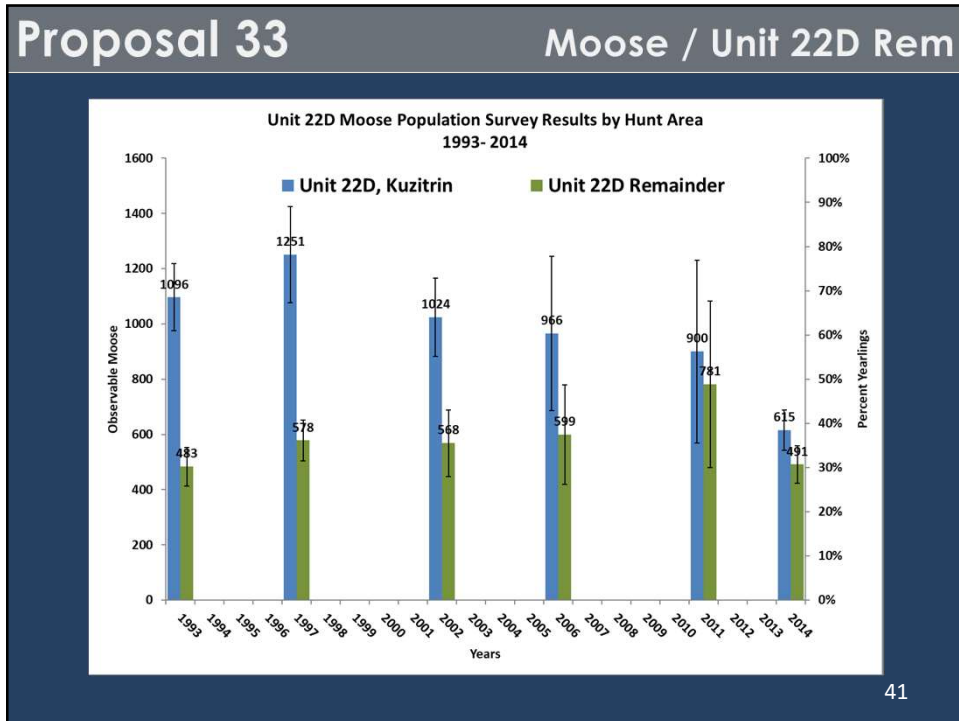
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Proposal 33		Moose / Unit 22D Rem
<p><b>Proposed Regulations:</b></p> <ul style="list-style-type: none"> <li>5 AAC 85.045 (20)</li> </ul>		
Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
<p>Remainder of Unit 22(D)</p> <p>RESIDENT HUNTERS:                      1 bull moose <u>by registration permit only</u>; only antlered bull moose may be taken from Dec. 1-Jan. 31;</p> <p>NONRESIDENT HUNTERS:</p>	<p>Aug. 10-Sept. 14                      [Oct.] Dec. 1-Jan. 31                      (<u>May be Announced</u>)</p>	<p>No open season</p>
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Proposal 33		Moose / Unit 22D Rem
<p><b>Effect of the Proposal:</b></p> <ul style="list-style-type: none"> <li>Establish a registration permit                             <ul style="list-style-type: none"> <li>Improve harvest reporting</li> <li>Allow the department to take management actions in order to maintain harvest at sustainable levels</li> </ul> </li> <li>Eliminate the Oct. 1-Nov. 30 Season                             <ul style="list-style-type: none"> <li>Reduce the overall bull harvest</li> </ul> </li> <li>Create a “May be Announced” Winter hunt                             <ul style="list-style-type: none"> <li>Dec. 1-Jan. 31</li> </ul> </li> </ul>		
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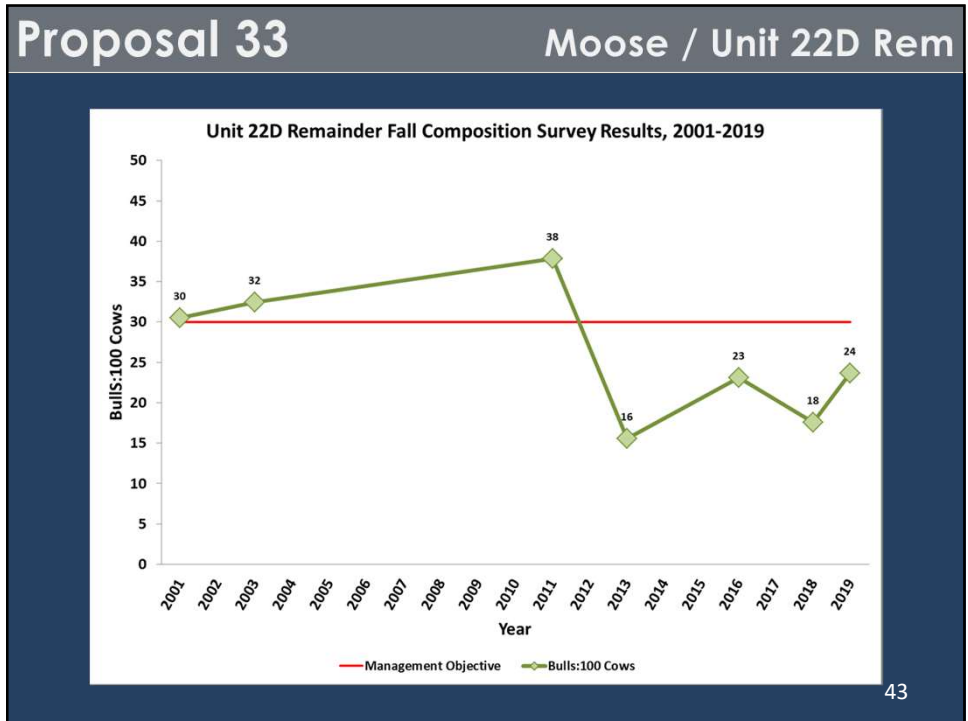
## Proposal 33 Moose / Unit 22D Rem

**Unit 22D Population Information:**

- 2018 Unit 22D Spring Recruitment Surveys
  - 977 Moose
  - 11% Recruitment
- 2014 Unit 22D GSPE Survey Results
  - 1106 Moose [95% CI: 1006 – 1205]
  - 14% Recruitment
- Unit 22D Moose Population
  - Stable/Declining

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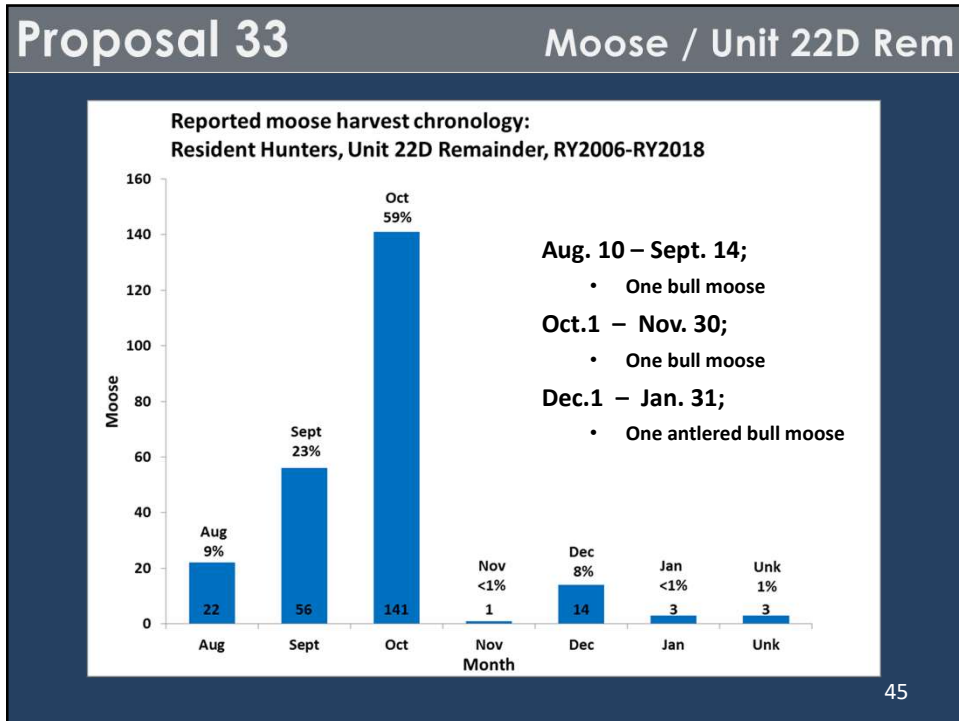
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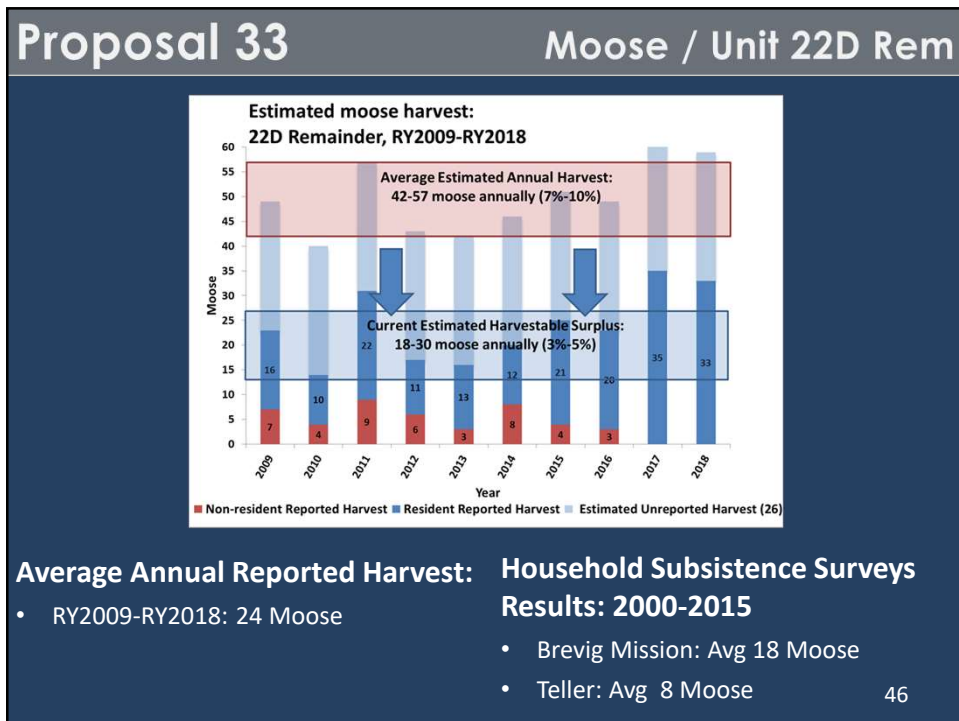
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- ### Proposal 33
- ### Moose / Unit 22D Rem
- Previous Management Action:
- 2014: Eliminated Antlerless hunts
    - Bag limit during the Dec 1-Dec 31 season was changed to an antlered bull
  - 2017: Closed the Non-Resident Season
    - RM855
    - Average Annual Non-Resident Harvest
      - RY2004-RY2016: 6 bulls
- 44

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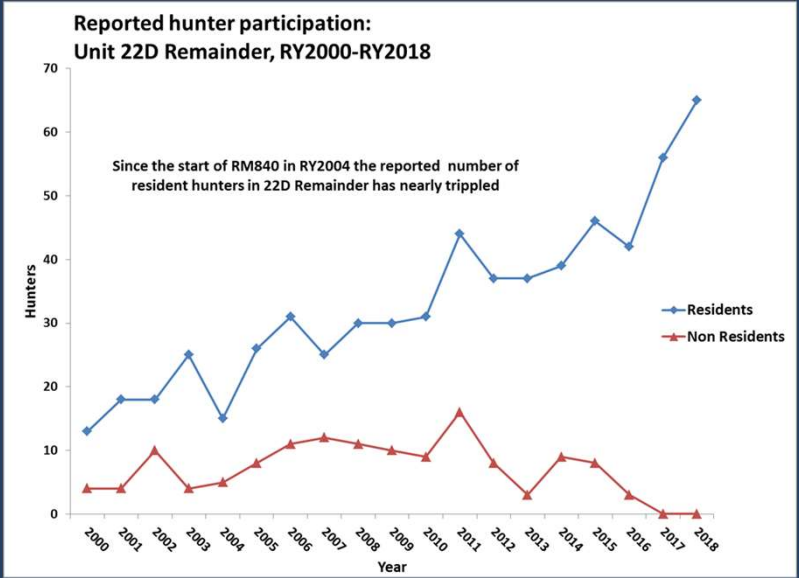


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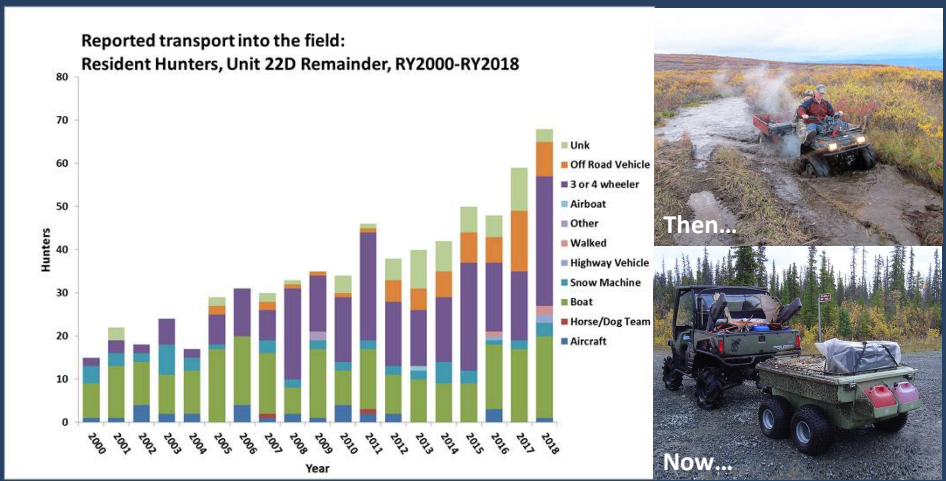
# Proposal 33 Moose / Unit 22D Rem



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# Proposal 33 Moose / Unit 22D Rem



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Proposal 33	Moose / Unit 22D Rem
<p><b>Hunt Administration:</b></p> <ul style="list-style-type: none"><li>• Expand RM840<ul style="list-style-type: none"><li>• Include Unit 22D Remainder</li><li>• Harvest Quota: 18 bulls</li><li>• 3 day reporting requirement</li></ul></li> <li>• Permit Availability<ul style="list-style-type: none"><li>• Online</li><li>• License vendors in Nome, White Mountain, Golovin, Brevig Mission and Teller</li></ul></li> <li>• “May be Announced” Winter hunt<ul style="list-style-type: none"><li>• RM849</li></ul></li></ul> <p>49</p>	

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Proposal 33	Moose / Unit 22D Rem				
<p style="text-align: center;"><b>Modify hunting seasons and require a registration permit for moose hunting in Unit 22D Remainder</b></p> <p style="text-align: center;">Department Proposal</p> <p style="text-align: center;">Recommendation: Support</p> <table><tr><td>Northern Norton Sound AC</td><td>Support (11-2)</td></tr><tr><td>Southern Norton Sound AC</td><td>Take No Action</td></tr></table> <p style="text-align: right;">50</p>		Northern Norton Sound AC	Support (11-2)	Southern Norton Sound AC	Take No Action
Northern Norton Sound AC	Support (11-2)				
Southern Norton Sound AC	Take No Action				

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# Proposal 34

# Moose / Unit 22D Rem

Create a Non-resident draw permit for moose  
in Unit 22D Remainder

Public Proposal

Recommendation: Neutral

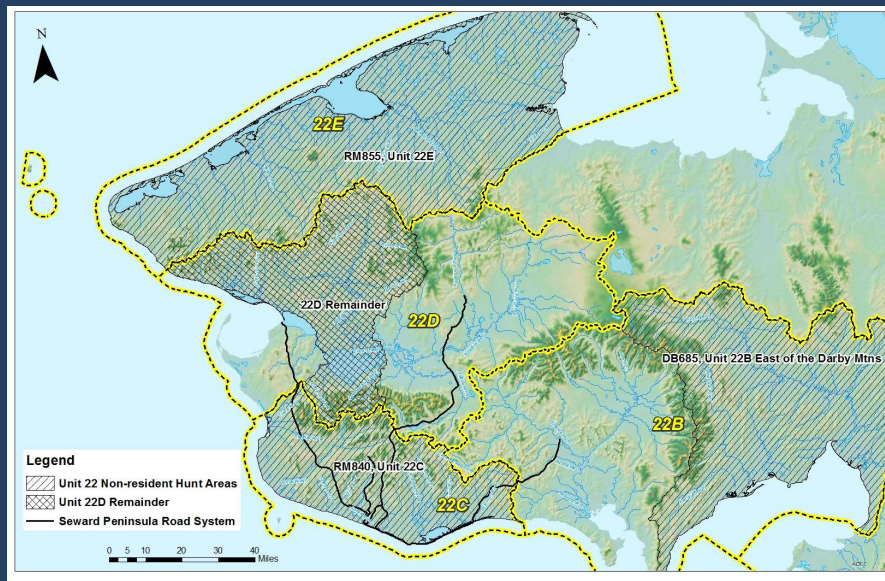
Northern Norton Sound AC    Oppose (0-13)  
Southern Norton Sound AC    Take No Action

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# Proposal 34

# Moose / Unit 22D Rem



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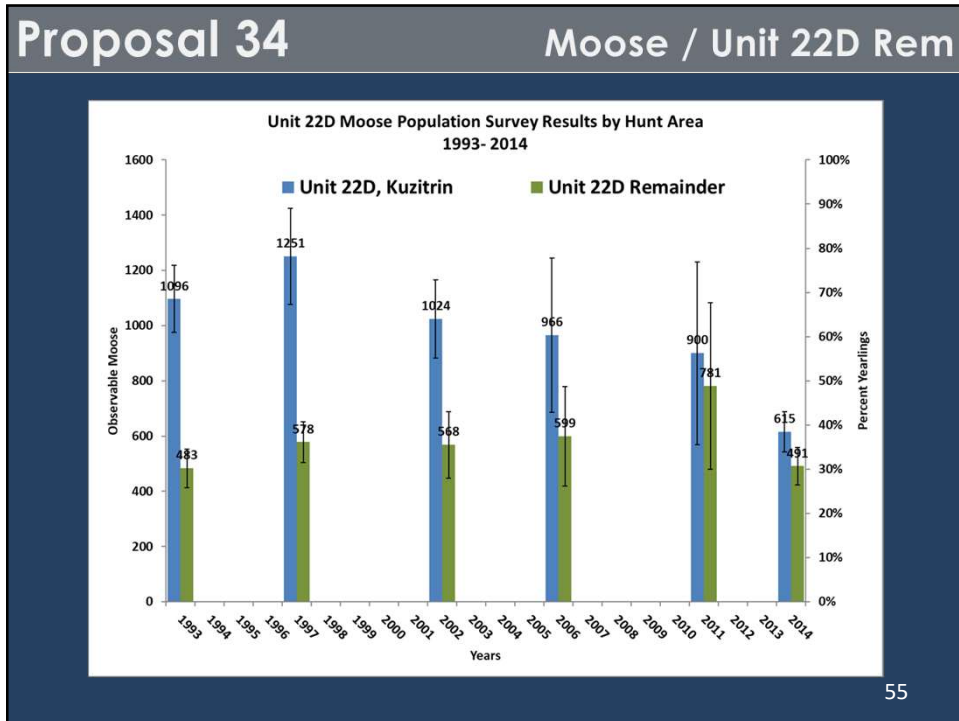
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Proposal 34		Moose / Unit 22D Rem
<p><b>Current Regulations:</b></p> <ul style="list-style-type: none"> <li>5 AAC 85.045 (20)</li> </ul>		
Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Remainder of Unit 22(D)		
RESIDENT HUNTERS:		
1 bull moose; only antlered bull moose may be taken from Dec. 1-Jan. 31;	Aug. 10-Sept. 14 Oct. 1-Jan. 31	
NONRESIDENT HUNTERS:		
		No open season
		53

53

Proposal 34		Moose / Unit 22D Rem
<p><b>Proposed Regulations:</b></p> <ul style="list-style-type: none"> <li>5 AAC 85.045 (20)</li> </ul>		
Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Remainder of Unit 22(D)		
RESIDENT HUNTERS:		
1 bull moose; only antlered bull moose may be taken from Dec. 1-Jan. 31;	Aug. 10-Sept. 14 Oct. 1-Jan. 31	
NONRESIDENT HUNTERS:		
<u>1 bull with 50-inch antlers of antlers with 4 or more brow tines on one side, by drawing permit only; up to 8 permits may be issued</u>		[No Open Season] Sept 1-Sept 14
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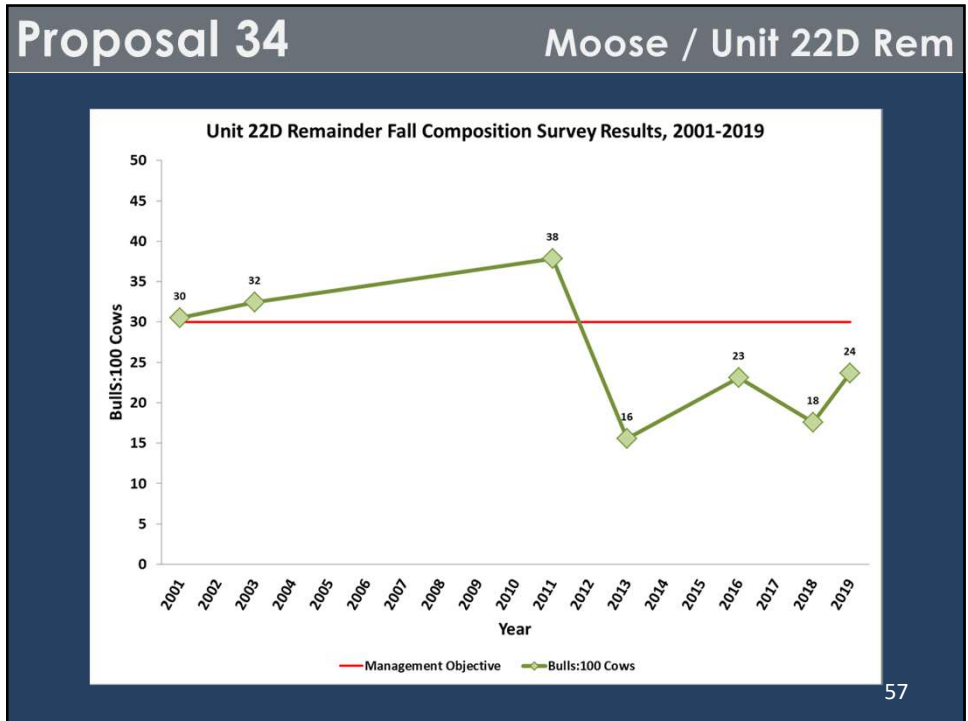
## Proposal 34 Moose / Unit 22D Rem

**Unit 22D Population Information:**

- 2018 Unit 22D Spring Recruitment Surveys
  - 977 Moose
  - 11% Recruitment
- 2014 Unit 22D GSPE Survey Results
  - 1106 Moose [95% CI: 1006 – 1205]
  - 14% Recruitment
- Unit 22D Moose Population
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56

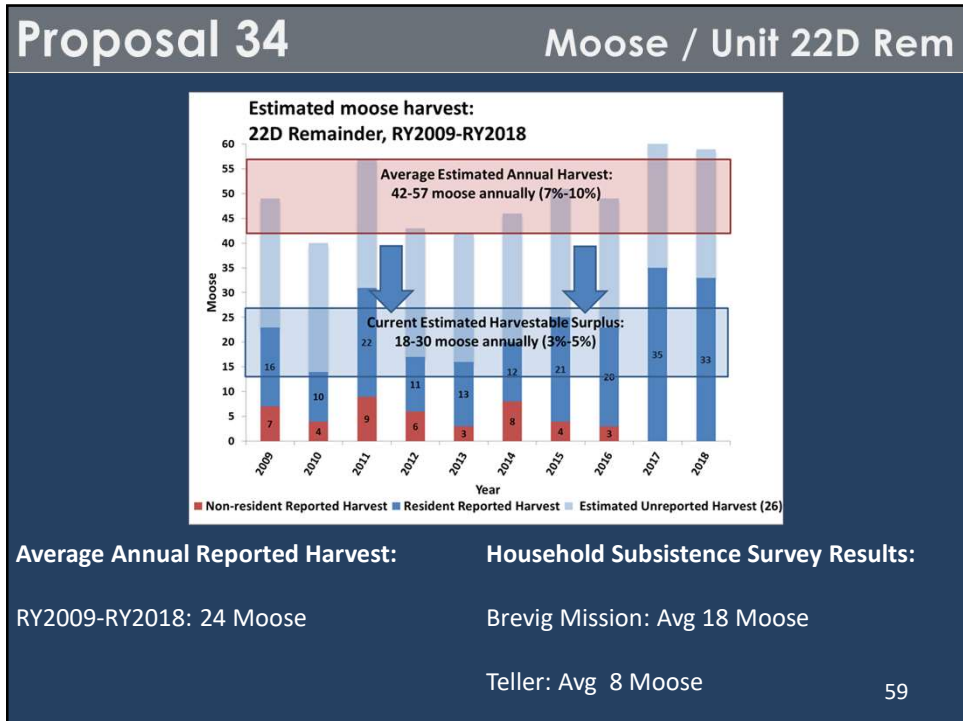
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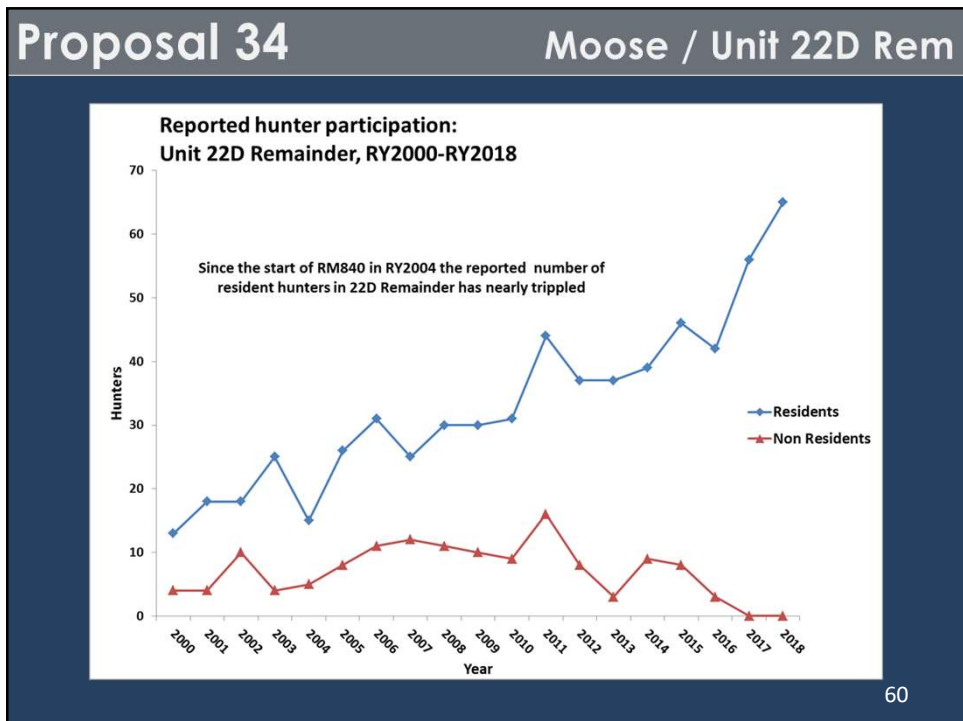
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- ## Proposal 34 Moose / Unit 22D Rem
- Previous Management Action:**
- 2014: Eliminated Antlerless hunts
    - Bag limit during the Dec 1-Dec 31 season was changed to an antlered bull
  
  - 2017: Closed the Non-Resident Season
    - RM855
    - Average Annual Non-Resident Harvest
      - RY2004-RY2016: 6 bulls
- 58

58



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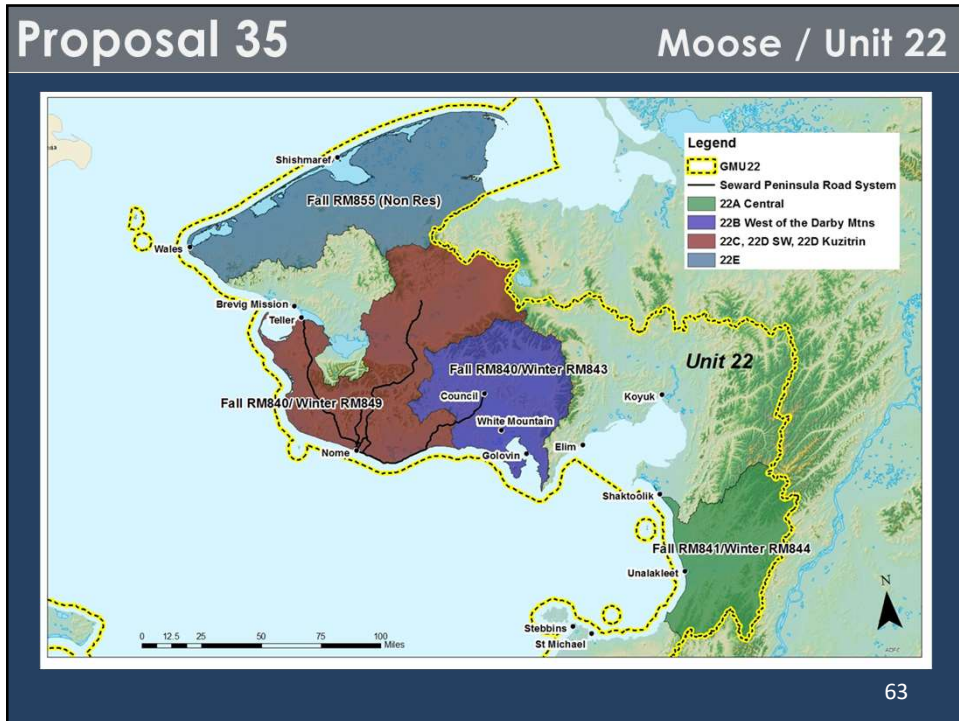
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<b>Proposal 34</b>	<b>Moose / Unit 22D Rem</b>
<b>Create a Non-resident draw permit for moose in Unit 22D Remainder</b>	
Public Proposal	
Recommendation: Neutral	
Northern Norton Sound AC	Oppose (0-13)
Southern Norton Sound AC	Take No Action
61	

61

<b>Proposal 35</b>	<b>Moose / Unit 22</b>
<b>Limit the availability of Unit 22 Moose Registration permits</b>	
Public Proposal	
Recommendation: Neutral	
Northern Norton Sound AC	Support As Amended (13-0)
Southern Norton Sound AC	Support As Amended (5-0)
62	

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**Proposal 35** **Moose / Unit 22**

Current Regulations:

5 AAC 92.050 Required permit hunt conditions and procedures

(4) Permit issuance:

(B) A successful applicant shall obtain the permit within the time specified by the department in a notification

64

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Proposal 35		Moose / Unit 22
<b>Effect of the Proposal:</b>		
Limit the availability of Unit 22 Moose Registration permits		
<b>Option 1</b>		<b>Option 2</b>
<ul style="list-style-type: none"><li>• ALL Unit 22 registration moose hunts</li><li>• At license vendors within Unit 22</li><li>• July 15-July 31</li><li>• No On-line Issuance</li><li>• Not including Non-Resident registration moose hunts</li></ul>		<ul style="list-style-type: none"><li>• ONLY registration moose hunt, RM840</li><li>• 22D Remainder (Proposal 33)</li><li>• At license vendors within Unit 22</li><li>• July 15-July 31</li><li>• No On-line issuance</li></ul>
		65

65

Proposal 35		Moose / Unit 22
<b>AC Recommendations</b>		
<b>NNSAC</b>		<b>SNSAC</b>
<ul style="list-style-type: none"><li>• Support as Amended</li><li>• Option 2 Only<ul style="list-style-type: none"><li>• Limit permit availability for registration permit hunts in Unit 22B West, 22C, and 22D</li><li>• Permits available at license vendors within Unit 22 June 1-July 15</li></ul></li></ul>		<ul style="list-style-type: none"><li>• Support as Amended</li><li>• Option 2 Only</li></ul>
		66

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## Proposal 35

Moose / Unit 22

### Effect of the Proposal: Option 1

- Registration Permits Affected
  - RM843
  - RM849
  - RM841
  - RM844
  
- Limiting permit availability as outlined in the proposal may be unnecessarily restrictive or in conflict with current hunt administration in some instances.

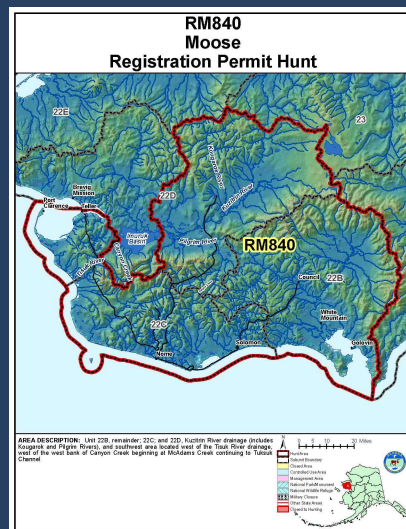
67

67

## Proposal 35

Moose / Unit 22

- RM840 (RY2014-RY2018)
  - Alaska Residents
  - Non-Residents: 22C
  - Season: Sept 1-Sept 14
  - Permit Availability
    - Online
    - Vendors in Nome, Teller, White Mountain and Golovin
  - July 24-Sept 14



68

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**Proposal 35** **Moose / Unit 22**

- **RM840, RY2014-RY2018**

<b>RM840 Hunt Participation by Residency, RY2014-RY2018</b>					
Year	Non-Local Residents	Local Residents	Non-residents	Unknown	Total
2014	33 (9%)	348 (91%)	1 (<1%)	0 (0%)	382
2015	48 (13%)	322 (84%)	1 (<1%)	11 (3%)	382
2016	36 (10%)	310 (89%)	0 (0%)	1 (<1%)	347
2017	47 (13%)	324 (87%)	0 (0%)	0 (0%)	371
2018	43 (11%)	344 (87%)	4 (1%)	5 (1%)	396
Average:	41 (11%)	330 (88%)	1 (<1%)	(<1%)	376

69

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**Proposal 35** **Moose / Unit 22**

- **RM840, RY2014-RY2018**

<b>RM840 Harvest by Residency, RY2014-RY2018</b>					
Year	Non-Local Residents	Local Residents	Non-residents	Unknown	Total
2014	12 (17%)	59 (83%)	0 (0%)	0 (0%)	71
2015	18 (22%)	64 (77%)	1 (1%)	0 (0%)	83
2016	8 (10%)	73 (90%)	0 (0%)	0 (0%)	81
2017	13 (17%)	63 (83%)	0 (0%)	0 (0%)	76
2018	11 (17%)	52 (80%)	1 (2%)	1 (2%)	65
Average:	12 (17%)	62 (83%)	<1 (<1%)	<1 (<1%)	75

- Hunter Success Rates: RM840 (RY2014-RY2018)
  - Non-Local Residents: 29%
  - Local Residents: 19%

70

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Proposal 35		Moose / Unit 22			
<ul style="list-style-type: none"> <li>RM840, RY2014-RY2018</li> </ul>					
22B West	Year	Quota	Harvest	EO Closure	Season Length
	2014	20	20	Yes	8 days
	2015	20	22	Yes	6 days
	2016	23	24	Yes	9 days
	2017	23	25	Yes	7 days
	2018	23	21	Yes	6 days
22C	Year	Quota	Harvest	EO Closure	Season Length
	2014	9	10	Yes	2 days
	2015	9	15	Yes	2 days
	2016	11	17	Yes	2 days
	2017	11	15	Yes	2 days
	2018	16	15	Yes	2 days
22D Southwest and 22D Kuzitrin	Year	Quota	Harvest	EO Closure	Season Length
	2014	37	41	Yes	8 days
	2015	37	46	Yes	10 days
	2016	30	39	No	14 days
	2017	22	36	Yes	5 days
	2018	22	29	Yes	3 days

71

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Proposal 35		Moose / Unit 22	
<p><b>ADF&amp;G Alternative:</b></p> <ul style="list-style-type: none"> <li>Limiting the availability of Unit 22 Moose Registration permits                             <ul style="list-style-type: none"> <li>Available in person at vendors in Unit 22 July 15-July 31</li> <li>No On-line issuance</li> </ul> </li> <li>Dramatic shift in RM840 permit availability                             <ul style="list-style-type: none"> <li>May be unnecessarily restrictive</li> </ul> </li> <li>Department Recommended Alternative                             <ul style="list-style-type: none"> <li>Small incremental restriction of RM840 permit availability                                     <ul style="list-style-type: none"> <li>No Online Issuance</li> <li>Available only at vendors in Unit 22 July 25-August 25</li> </ul> </li> </ul> </li> </ul>			

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**Proposal 35** **Moose / Unit 22**

**ADF&G Alternative:**

- No Online Issuance

<b>RM840 Permit Issuance, Online vs In-person, RY2014-RY2018</b>			
	<b># of Permits</b>	<b>In Person</b>	<b>Online</b>
Local Residents	1648	93%	7%
<u>Non-Local Residents</u>	206	65%	35%
<u>Non-Residents</u>	6	67%	33%

73

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**Proposal 35** **Moose / Unit 22**

**ADF&G Alternative:**

**Non-Local Residents Timing of In-person Permit Issuance, RY2014-RY2018**

Date of Issue	# of Permits Issued
7/24	3
7/27	1
7/30	0
8/2	1
8/5	3
8/8	1
8/11	1
8/14	0
8/17	3
8/20	2
8/23	1
8/26	4
8/29	2
8/30	8
8/31	16
9/1	34
9/4	7
9/7	2
9/10	2
9/13	0

74

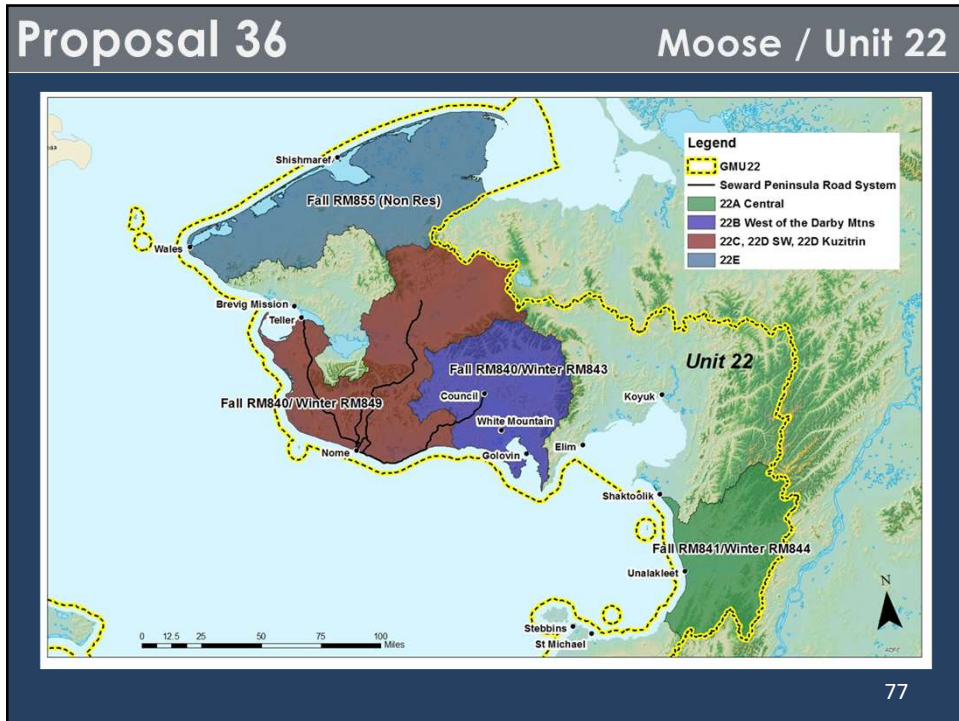
74

<b>Proposal 35</b>	<b>Moose / Unit 22</b>
<b>Limit the availability of Unit 22 Moose Registration permits</b>	
Public Proposal	
Recommendation: Neutral	
Northern Norton Sound AC	Support As Amended (13-0)
Southern Norton Sound AC	Support As Amended (5-0)
75	

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<b>Proposal 36</b>	<b>Moose / Unit 22</b>
<b>Limit the availability of Unit 22 Moose Registration permits</b>	
Public Proposal	
Recommendation: Neutral	
Northern Norton Sound AC	Take No Action
Southern Norton Sound AC	Take No Action
76	

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**Proposal 36** **Moose / Unit 22**

**Current Regulations:**

5 AAC 92.050 Required permit hunt conditions and procedures

(4) Permit issuance:

(B) A successful applicant shall obtain the permit within the time specified by the department in a notification

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## Proposal 36

Moose / Unit 22

### Effect of the Proposal:

- This proposal seeks to limit the availability of all moose registration permits administered in Unit 22
  - Permits would only be available at license vendors in Unit 22 July 15-July 31
  - Permits would no longer be available online

79

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## Proposal 36

Moose / Unit 22

### Effect of the Proposal:

- Registration Permits Affected
  - RM840
  - RM843
  - RM849
  - RM841
  - RM844
  - RM855
- Limiting permit availability as outlined in the proposal may be unnecessarily restrictive or in conflict with current hunt administration in some instances.

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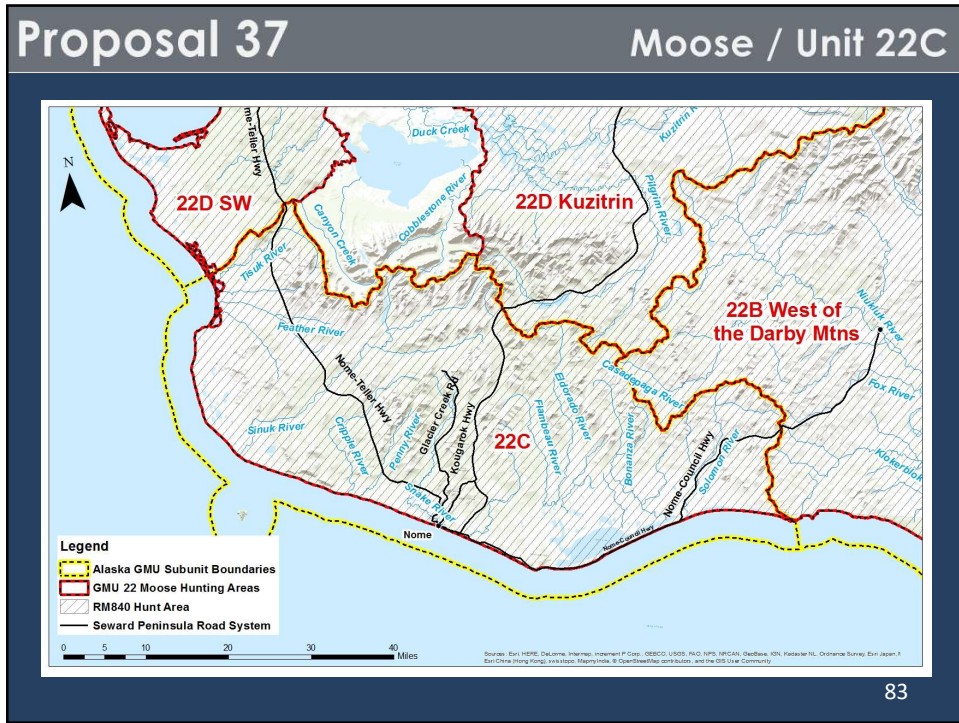


<b>Proposal 36</b>	<b>Moose / Unit 22</b>
<b>Limit the availability of Unit 22 Moose Registration permits</b>	
Public Proposal	
Recommendation: Neutral	
Northern Norton Sound AC	Take No Action
Southern Norton Sound AC	Take No Action
81	

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<b>Proposal 37</b>	<b>Moose / Unit 22C</b>
<b>Eliminate the non-resident season for moose in Unit 22C</b>	
Public Proposal	
Recommendation: Neutral	
Northern Norton Sound AC	Support (13-0)
Southern Norton Sound AC	Take No Action
82	

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**Proposal 37** **Moose / Unit 22C**

**Current Regulations**  
5 AAC 85.045 (20)

Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Unit 22(C)		
RESIDENT HUNTERS: 1 bull moose by registration permit only; or 1 antlered bull by registration permit only; during the period Jan. 1-Jan. 31 a season may be announced by emergency order	Sept. 1-Sept. 14  Jan. 1-Jan. 31 (To be announced)	
NONRESIDENT HUNTERS: 1 bull with 50-inch antlers or antlers with 4 or more brow tines on one side, by registration permit only		Sept. 1- Sept. 14

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Proposal 37
Moose / Unit 22C

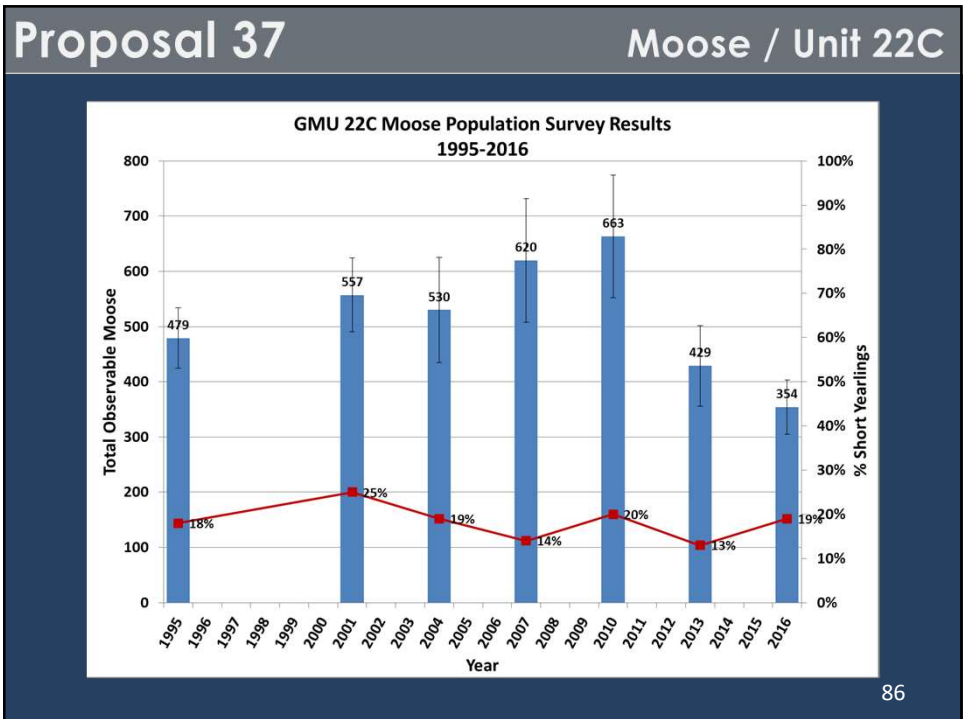
## Proposed Regulations

### 5 AAC 85.045 (20)

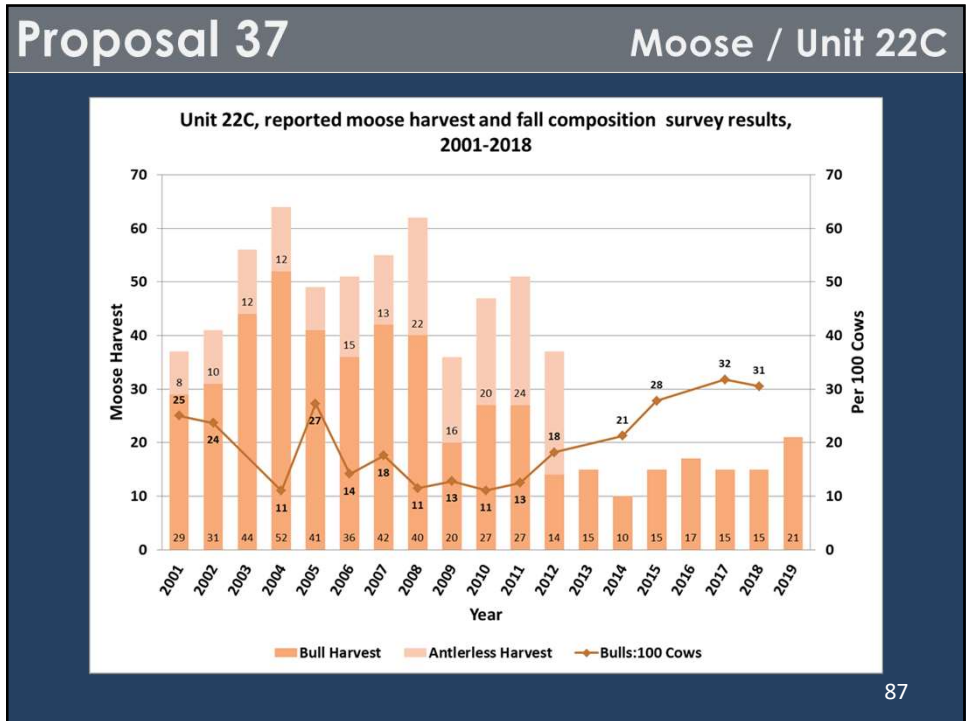
Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Unit 22(C) RESIDENT HUNTERS: 1 bull moose by registration permit only; or 1 antlered bull by registration permit only; during the period Jan. 1-Jan. 31 a season may be announced by emergency order  NONRESIDENT HUNTERS: [1 bull with 50-inch antlers or antlers with 4 or more brow tines on one side, by registration permit only]	Sept. 1-Sept. 14  Jan. 1-Jan. 31 (To be announced)	[Sept. 1- Sept. 14] <u>No Open Season</u>

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## Proposal 37 Moose / Unit 22C

### Unit 22C, RM840 2014-2018

	Year	Quota	Harvest	EO Closure	Season Length
<b>22C</b>	2014	9	10	Yes	2 days
	2015	9	15	Yes	2 days
	2016	11	17	Yes	2 days
	2017	11	15	Yes	2 days
	2018	16	15	Yes	2 days

- **Average Annual Harvest: 15 moose**
- **Nonresident Participation**
  - **6 Permit Holders RY2014-RY2018**
- **Nonresident Harvest**
  - **2 Moose RY2014-RY2018**

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**Proposal 37** **Moose / Unit 22C**

**Eliminate the non-resident season for moose  
in Unit 22C**

Public Proposal

Recommendation: Neutral

Northern Norton Sound AC Support (13-0)  
Southern Norton Sound AC Take No Action

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**Proposal 38** **Moose / Unit 22A**

**Extend the Unit 22A Central resident fall  
RM841 and winter RM844 moose season  
and change the fall bag limit to “one bull”.**

Department Proposal

Recommendation: Support season extension  
Neutral fall bag limit change

Northern Norton Sound AC Take No Action  
Southern Norton Sound AC Support as Amended (5 – 0)

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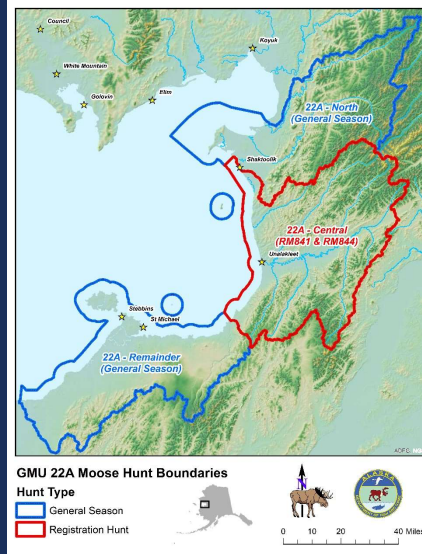
90

# Proposal 38

# Moose / Unit 22A

## Current Regulations

- Residents: Registration Hunt
  - RM841 (Fall)
    - Sep. 1 – Sep. 20
    - 1 Antlered Bull
  - RM844 (Winter)
    - *Season may be Announced*
    - Dec. 1 – Dec. 31
    - 1 Antlered Bull
  - Permits available online or at license vendors in Unalakleet
- Nonresidents
  - No Open Season



91

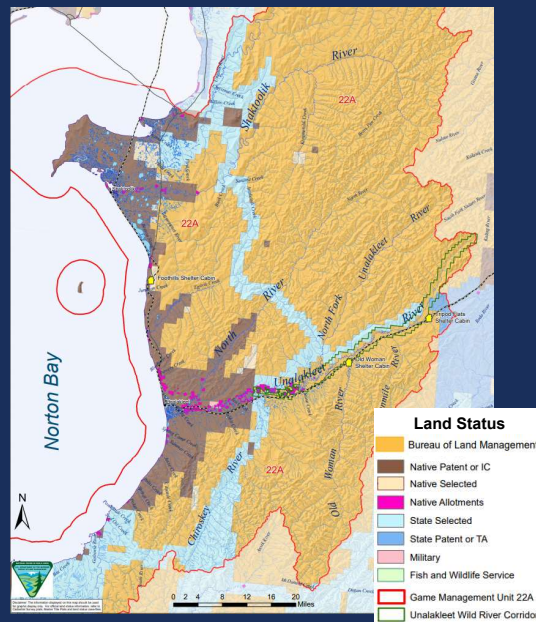
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# Proposal 38

# Moose / Unit 22A

## 22A Central Federal Hunt

- Shared quota between federal and state permits
- Season:
  - Aug. 15 – Sep. 14
  - 1 Bull by Federal registration permit (FM2201)
- Federal public lands:
  - Open to Unalakleet residents only



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## Proposal 38 Moose / Unit 22A

### Proposed Regulations

- Residents: Registration Hunt
  - RM841 (Fall)
    - Sep. 1 – [Sep. 20] **Sep. 30**
    - 1 [Antlered] **Bull**
  - RM844 (Winter)
    - *Season may be Announced*
    - Dec. 1 – [Dec. 31] **Jan. 31**
    - 1 Antlered Bull

GMU 22A Moose Hunt Boundaries

Hunt Type

- General Season
- Registration Hunt

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## Proposal 38 Moose / Unit 22A

### Unit 22A Central Moose Population

- 2017 estimate: 840 moose
- 9% annual rate of increase between 2012 – 2017
- 2016 composition results: 123 Bulls: 100 Cows

Unit 22A (Unalakleet Survey Area) Moose Population Survey Results  
1989- 2017

Year	Total Moose	Recruitment (%)
1989	325	16%
2002	75	15%
2004	123	8%
2008	339	18%
2012	545	19%
2017	840	12%

94

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**Proposal 38** **Moose / Unit 22A**

**RM841/RM844 Harvest**

- RM841 (Fall)
  - RY14 – RY18: Average 74 hunters
  - 5-year average harvest: 24 moose
  - 5-year average hunter success rate 32%
  
- RM844 (Winter)
  - RY2012: 0 hunters
  - RY2017: 7 hunters, 0% success

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**Proposal 38** **Moose / Unit 22A**

**RM841/RM844 Season Extensions**

- Fall Season Extension (RM841)
  - Requested and authorized RY2011-RY2015 and RY2018
- Winter Season (RM844)
  - Opened RY2012 and RY2017, extended to Jan 31 in RY2017

RY	Quota	Harvest	Season	RM844
2008	14	15	Sept 1-14	
2009	14	15	Sept 1-14	
2010	14	14	Sept 1-13	
<b>2011</b>	14	16	<b>Sept 1-17</b>	
<b>2012</b>	22	16	<b>Sept 1-20</b>	Dec 1 - Dec 31
<b>2013</b>	22	21	<b>Sept 1-20</b>	
<b>2014</b>	22	21	<b>Sept 1-20</b>	
<b>2015</b>	22	24	<b>Sept 1-17</b>	
2016	22	25	Sept 1 - 9	
2017	34	34	Sept 1 - 20	Dec 1 - <b>Jan 31</b>
<b>2018</b>	34	34	<b>Sept 1 - 30</b>	
2019	34	32	Sept 1 - 20	

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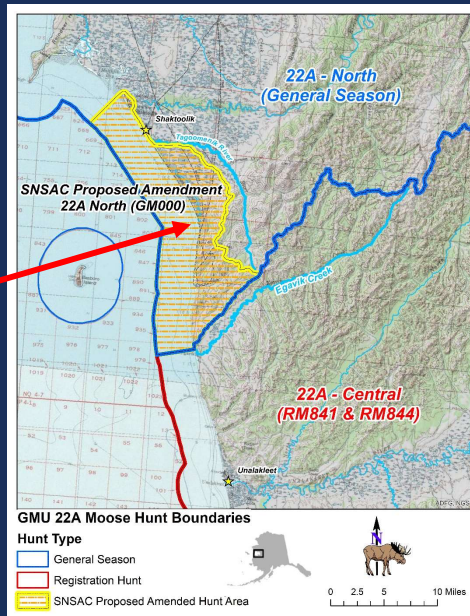


## Proposal 38

## Moose / Unit 22A

### SSNAC Requested Amendment

- 22A North:
  - Unit 22A, that portion north of [and including the Tagoomenik and Shaktoolik River] the Egavik Creek drainage
- Requested by the Village of Shaktoolik, supported unanimously by SNSAC



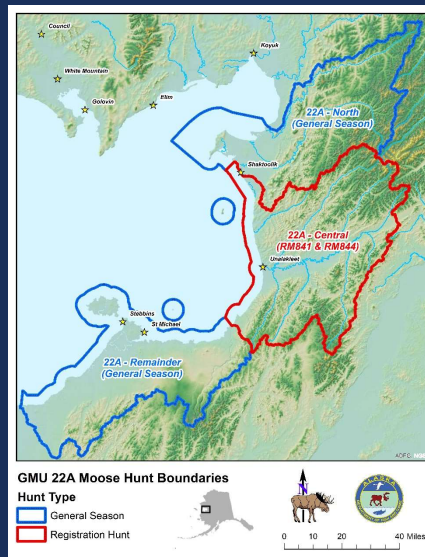
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## Proposal 38

## Moose / Unit 22A

### Summary

- RM841 (Fall)
  - 10-day season extension
  - Bag limit change to "One Bull"
- RM844 (Winter)
  - 31-day season extension
- Department would maintain emergency order authority if quota is reached earlier than proposed closing date



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**Proposal 38**

**Moose / Unit 22A**

Extend the Unit 22A Central resident fall RM841 and winter RM844 moose season and change the fall bag limit to “one bull”.

Recommendation: Support season extension  
Neutral fall bag limit change

Department Proposal

Northern Norton Sound AC *Take No Action*  
Southern Norton Sound AC *Support as Amended (5 – 0)*

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**Proposal 40**

**Brown Bear/ Unit 22C**

Create a brown bear registration permit hunt for residents in Unit 22C

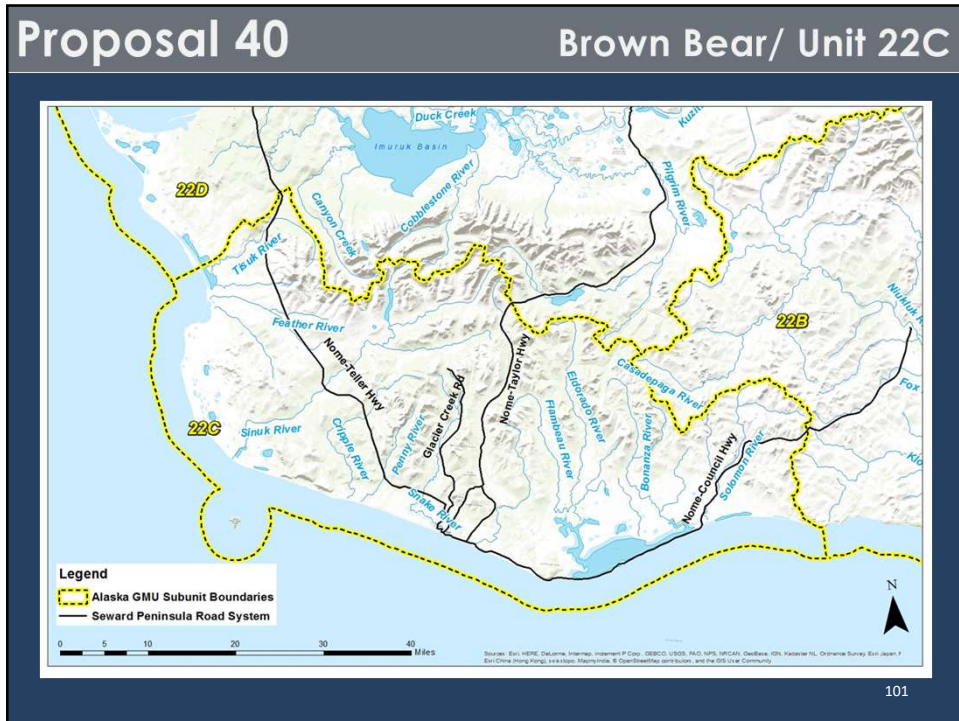
Department Proposal

Recommendation: Support

Northern Norton Sound AC *Opposed (2-11)*  
Southern Norton Sound AC *Take No Action*

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101

## Proposal 40 Brown Bear/ Unit 22C

**Current Regulations:**

- 5 AAC 85.020 (20)

Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Unit 22(C)		
RESIDENT HUNTERS: One bear every regulatory; or	Aug. 1-Oct 31 Apr. 1-May 31	
One Bear every regulatory year by subsistence permit (RB699)	Aug. 1-Oct 31 Apr. 1-May 31	

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## Proposal 40 Brown Bear/ Unit 22C

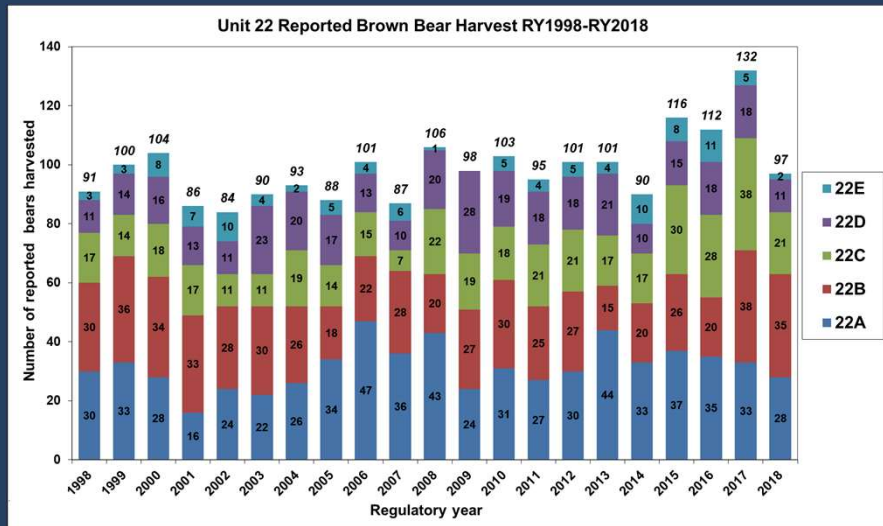
### Regulatory History:

- RY1997-RY2011
  - 1 bear every four regulatory years
  - Fall Season: Aug. 1-Oct. 31
  - Spring Season: May 10-May 31
- RY2012
  - Spring Season: May 1-May 31
- RY2014
  - 1 bear every regulatory years
- RY2017
  - Spring Season: April 1-May 31

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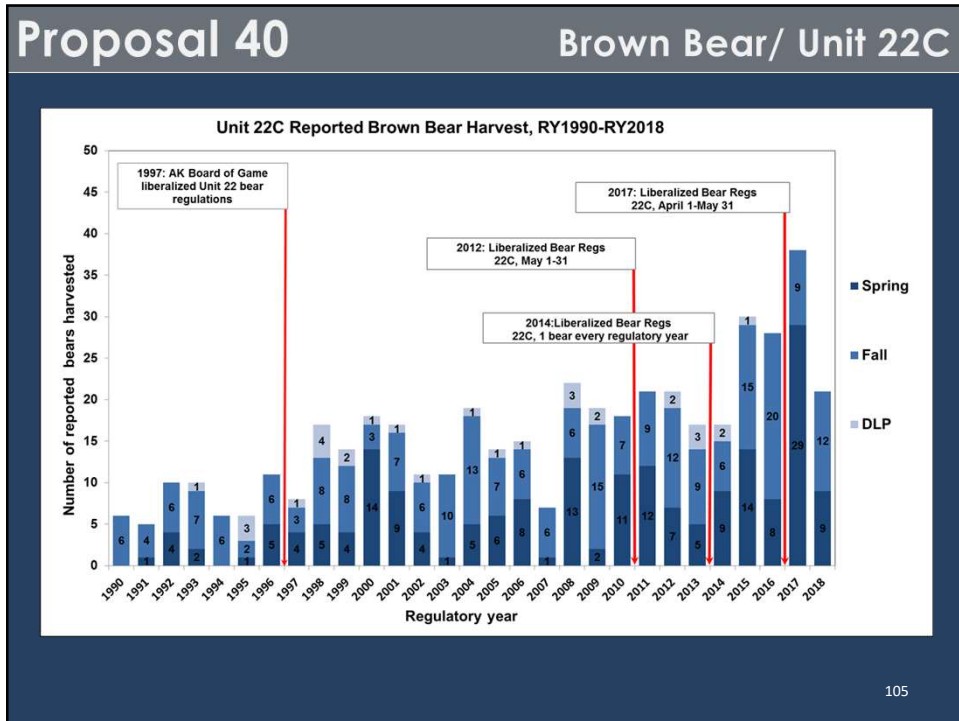
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## Proposal 40 Brown Bear/ Unit 22C



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## Proposal 40 Brown Bear/ Unit 22C

**Proposed Regulations:**

- 5 AAC 85.020 (20)

Units and Bag Limits	Resident Open Season (Subsistence and General Hunts)	Nonresident Open Season
Unit 22(C)  RESIDENT HUNTERS: One bear every regulatory <u>by</u> <u>registration permit</u> ; or  One Bear every regulatory year by subsistence permit (RB699)	Aug. 1-Oct 31 Apr. 1-May 31  Aug. 1-Oct 31 Apr. 1-May 31	

106

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Proposal 40	Brown Bear/ Unit 22C
<p><b>Effect of the Proposal:</b></p> <ul style="list-style-type: none"><li>• Maintain the current level of hunting opportunity<ul style="list-style-type: none"><li>• Spring hunting opportunity</li></ul></li> <li>• Improve hunt monitoring<ul style="list-style-type: none"><li>• Participation</li><li>• Effort</li><li>• Success Rates</li></ul></li> <li>• Provide to tools to maintain harvest at historic levels<ul style="list-style-type: none"><li>• Average Annual Harvest RY2012-RY2018<ul style="list-style-type: none"><li>• 25 Bears per year</li></ul></li><li>• 25 bears/year harvest limit</li></ul></li></ul> <p>107</p>	

107

Proposal 40	Brown Bear/ Unit 22C
<p><b>Management Considerations:</b></p> <ul style="list-style-type: none"><li>• Muskox Conflicts<ul style="list-style-type: none"><li>• Maintain harvest at or below 25 bears/year</li><li>• Evaluate possible mitigating effects of bear harvests</li></ul></li> <li>• Wildlife Viewing<ul style="list-style-type: none"><li>• Reports from the public<ul style="list-style-type: none"><li>• High level of harvest in RY2017</li><li>• Fewer bears visible on the landscape</li><li>• Expressed a desire to place limits on overall harvest</li><li>• Allow for non-consumptive uses</li></ul></li></ul></li></ul> <p>108</p>	

108

**Proposal 40** **Brown Bear/ Unit 22C**

**Management Considerations**

**Muskox Conflict Mitigation**



**Wildlife Viewing**



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**Proposal 40** **Brown Bear/ Unit 22C**

**Create a brown bear registration permit hunt for residents in Unit 22C**

Department Proposal

Recommendation: Support

Northern Norton Sound AC Opposed (2-11)  
Southern Norton Sound AC Take No Action

110

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## Proposal 41

## Brown Bears / Unit 22BC

Add 15 days to the nonresident DB685 and 30 days to the resident spring brown bear hunt in Units 22B and 22C.

Public Proposal

Recommendation: Neutral

Northern Norton Sound AC *Oppose (0 – 13)*  
Southern Norton Sound AC *Support (5 – 0)*

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## Proposal 41

## Brown Bears / Unit 22BC

### Current Regulations: 22B

#### Season and Bag Limit

- August 1 – May 31
- Residents: 2 bears every regulatory year
- Residents (subsistence): 2 bears every regulatory year by registration permit (RB699)
- Nonresidents: 1 bear every regulatory year by drawing permit (DB685)
- **Some road access**
- **Access by snowmachine, 4-wheeler, boat, airplane, highway vehicle**



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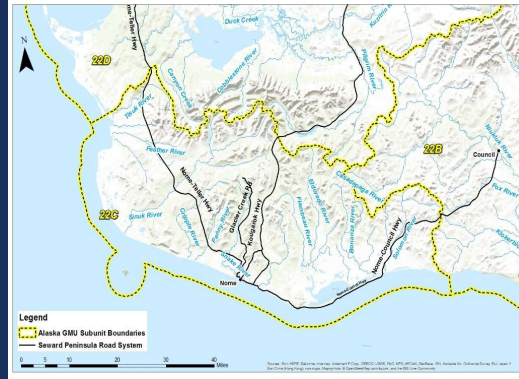


# Proposal 41

## Brown Bears / Unit 22BC

### Current Regulations: 22C

- Residents:
  - Aug 1 – Oct 31 (Fall)  
Apr 1 – May 31 (Spring)
  - Bag limit: 1 bear every regulatory year
  - Bag limit (subsistence): 1 bear every regulatory year by registration permit (RB699)
- Nonresidents:
  - Aug 1 – Oct 31 (Fall)  
Apr 1 – May 31 (Spring)
  - 1 bear every regulatory year by drawing permit (DB685)



- Road access
- Access by highway vehicle, snowmachine, 4-wheeler

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# Proposal 41

## Brown Bears / Unit 22BC

### Proposed Regulations: 22B

#### Residents:

- Season: August 1 – [May 31] June 30
- Proposed season dates would resemble some of the most liberal brown bear hunting seasons in the state

#### Nonresidents:

- Season: August 1 – [May 31] June 15



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## Proposal 41 Brown Bears / Unit 22BC

### Proposed Regulations: 22C

**Residents:**

- Fall: Aug 1 – Oct 31
- Spring: Apr 1 – [May 31] **June 30**

**Nonresidents:**

- Fall: Aug 1 – Oct 31
- Spring: Apr 1 – [May 31] **June 15**

- Road access
- Access by highway vehicle, snowmachine, 4-wheeler

115

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## Proposal 41 Brown Bears / Unit 22BC

### Unit 22B Brown Bear Harvest

- Average 5-year annual 22B harvest: 28 bears
- 2 bears/yr bag limit has been in effect for 2 years
  - 6 hunters RY17
  - 4 hunters RY18

Regulatory Year	Spring	Fall	DLP	Total
2000	21	11	2	34
2001	19	13	1	33
2002	15	9	4	28
2003	4	25	1	30
2004	13	12	1	26
2005	8	10	0	18
2006	9	13	0	22
2007	21	6	1	28
2008	7	10	3	20
2009	12	13	2	27
2010	21	9	0	30
2011	13	12	0	25
2012	8	16	3	27
2013	5	6	4	15
2014	7	11	2	20
2015	7	19	0	26
2016	9	11	0	20
2017	25	13	0	38
2018	30	5	0	35

16

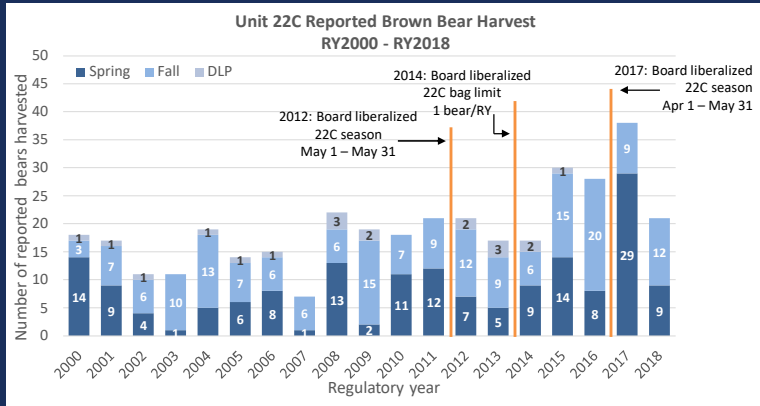
116

## Proposal 41

## Brown Bears / Unit 22BC

### Unit 22C Brown Bear Harvest

- Average annual 22C harvest since RY98: 18 bears
  - 5-year average 22C harvest: 28 bears
- Spring season extension has been in effect for two years



117

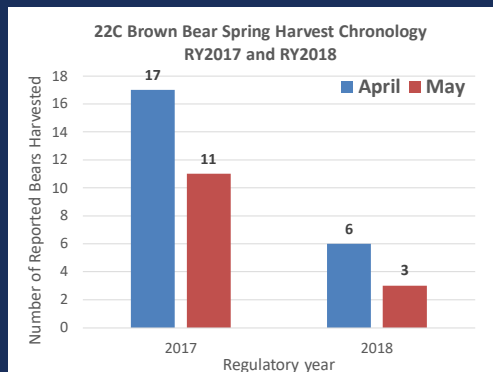
117

## Proposal 41

## Brown Bears / Unit 22BC

### Unit 22C Brown Bear Harvest

- RY17 spring season extension in 22C
  - RY17: 17 bears harvested in April (59% of total spring harvest)
  - RY18: 6 bears harvested in April (67%)



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**Proposal 41**

**Brown Bears / Unit 22BC**

Add 15 days to the nonresident DB685 and 30 days to the resident spring brown bear hunt in Units 22B and 22C.

Public Proposal

Recommendation: Neutral

*Northern Norton Sound AC*    *Oppose (0 – 13)*  
*Southern Norton Sound AC*    *Support (5 – 0)*

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**Proposal 39**

**Brown Bears / Unit 22DE**

Add 15 days to the resident and nonresident spring brown bear hunt and raise the resident bag limit to 2 bears per regulatory year in Units 22D and 22E.

Recommendation: Neutral

Public Proposal

*Northern Norton Sound AC*    *Support as Amended (13 – 0)*  
*Southern Norton Sound AC*    *Take No Action*

120

120

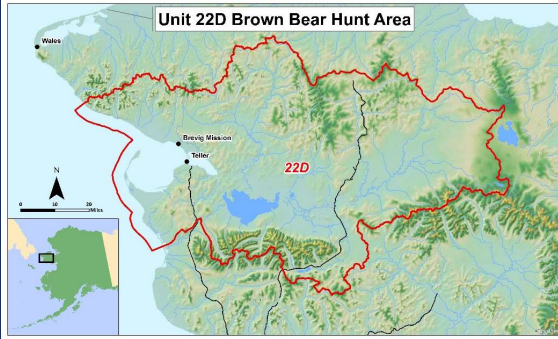
**Proposal 39** **Brown Bears / Unit 22DE**

**Current Regulations:**  
**22D**

**Season and Bag Limit**

- August 1 – May 31
- Residents: 1 bear every regulatory year
- Residents (subsistence): 1 bear every regulatory year by registration permit (RB699)
- Nonresidents: 1 bear every regulatory year by drawing permit (DB690)

- Some road access
- Access by snowmachine, highway vehicle, 4-wheeler, boat, or ORV



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**Proposal 39** **Brown Bears / Unit 22DE**

**Current Regulations:**  
**22E**

**Season and Bag Limit**

- August 1 – May 31
- Residents: 1 bear every regulatory year
- Residents (subsistence): 1 bear every regulatory year by registration permit (RB699)
- Nonresidents: 1 bear every regulatory year by drawing permit (DB690)

- No road access
- 70 – 100 miles from Nome
- Access mostly by snowmachine



122

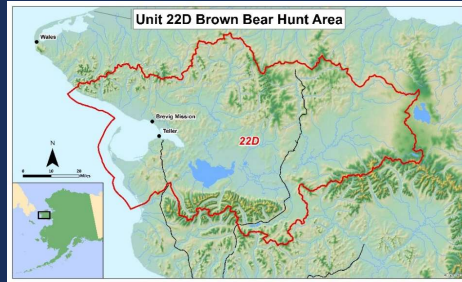
122

## Proposal 39

## Brown Bears / Unit 22DE

### Proposed Regulations: 22D and 22E

- Season
  - Aug 1 – [May 31] **Jun 15**
- Resident Bag Limit
  - [1 bear] **2 bears** every regulatory year
  - [1 bear] **2 bears** every regulatory year by subsistence permit (RB699)



123

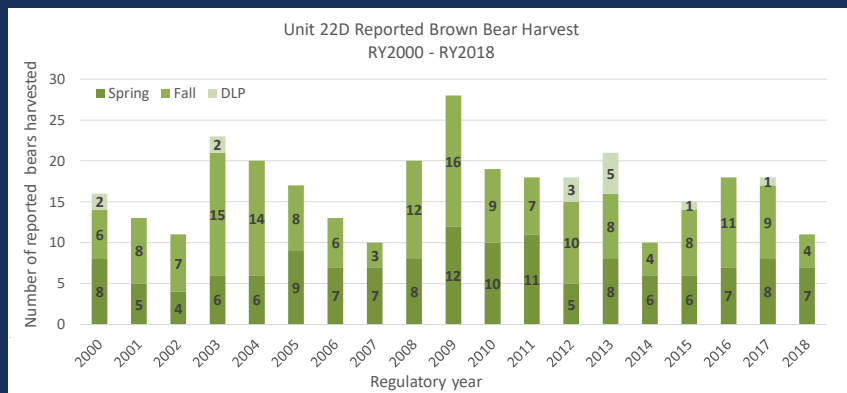
123

## Proposal 39

## Brown Bears / Unit 22DE

### Unit 22D Brown Bear Harvest

- Average annual 22D harvest RY00 – RY18: 17 bears
  - 5-year average: 14 bears annually
  - 13% of 5-year Unit 22 brown bear harvest



124

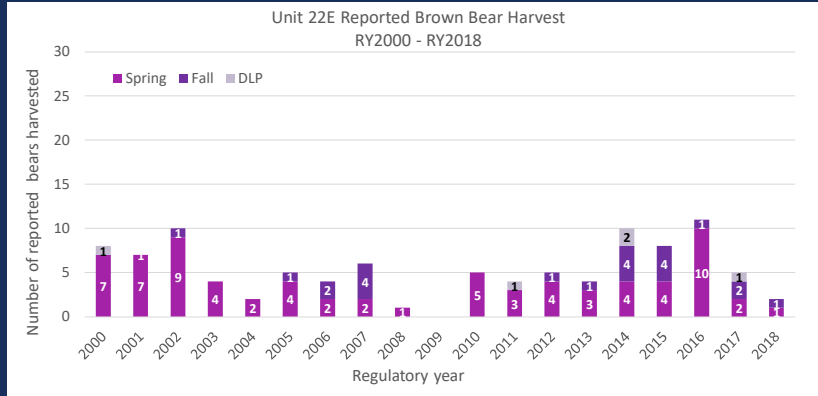
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## Proposal 39

## Brown Bears / Unit 22DE

### Unit 22E Brown Bear Harvest

- Average annual 22E harvest since RY98: 5 bears
  - 5-year average: 7% of the overall Unit 22 brown bear harvest



125

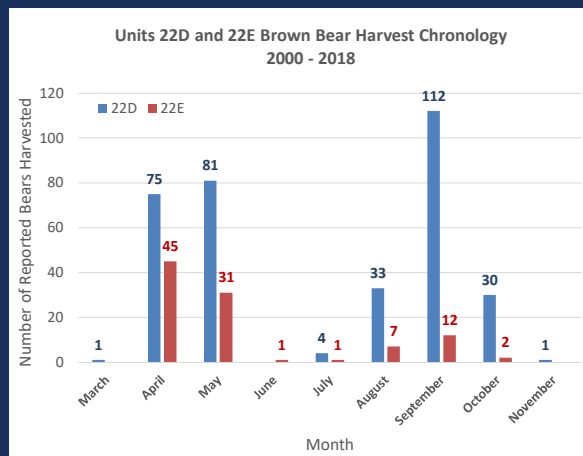
125

## Proposal 39

## Brown Bears / Unit 22DE

### Unit 22D/E Harvest Chronology

- 22D
  - Fall: 47%
  - Spring: 53%
- 22E
  - Fall: 22%
  - Spring: 78%



126

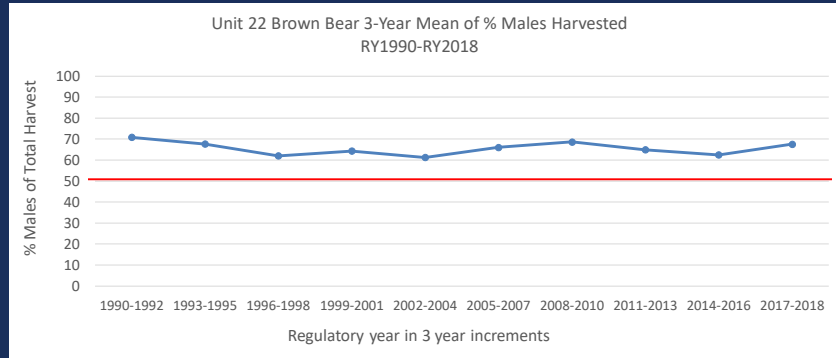
126

**Proposal 39**

**Brown Bears / Unit 22DE**

**Unit 22 Brown Bear Management Objectives**

- Objective: 3-year average harvest composition > 50% Boars



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**Proposal 39**

**Brown Bears / Unit 22DE**

**Unit 22: 2 Brown Bears/R Y Bag Limit**

- 22A
  - Adopted by the Board beginning RY06
  - 18 hunters utilized 2 bear/R Y bag limit
    - Range 0 – 6 annually
- 22B
  - Adopted by the Board beginning RY17
  - 10 hunters utilized 2 bear/R Y bag limit
    - 6 hunters in RY17
    - 4 hunters in RY18

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**Proposal 39**

**Brown Bears / Unit 22DE**

**Advisory Committee Amendments**

- NNSAC (Supports 13-0 as amended)
  - Supports increased bag limit only
  - June season poses concerns of brown bear hide quality
  
- SNSAC
  - Take no action

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**Proposal 39**

**Brown Bears / Unit 22DE**

Add 15 days to the resident and nonresident spring brown bear hunt and raise the resident bag limit to 2 bears per regulatory year in Units 22D and 22E.

Public Proposal

Recommendation: Neutral

*Northern Norton Sound AC Support as Amended (13 – 0)*  
*Southern Norton Sound AC Take No Action*

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**Proposal 42**

**Brown Bears / Unit 22**

Allow hunters to use a snowmachine to position brown bears for harvest in Unit 22.

Public Proposal

Recommendation: Neutral

*Northern Norton Sound AC*    *Oppose (0 – 13)*  
*Southern Norton Sound AC*    *Oppose (0 – 5)*

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**Proposal 42**

**Brown Bears / Unit 22**

**Current Regulations:**

- 5 AAC 92.080 (4) Unlawful methods of taking game; exceptions.
  - In Unit 22, a snowmachine may be used to position a caribou, wolf, or wolverine for harvest, and caribou, wolves, or wolverines may be shot from a stationary snowmachine.
  - In bear control implementation areas, a snowmachine may be used to select an individual bear for harvest, and bears may be shot from a stationary snowmachine.
- Throughout the state, no regulation exists that permits hunters to use a snowmachine to position a bear for harvest.

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## Proposal 42

## Brown Bears / Unit 22

### Proposed Regulations:

- 5 AAC 92.080 (4) Unlawful methods of taking game; exceptions.
  - In Unit 22, a snowmachine may be used to position a **brown bear**, caribou, wolf, or wolverine for harvest, and **brown bears**, caribou, wolves, or wolverines may be shot from a stationary snowmachine.

133

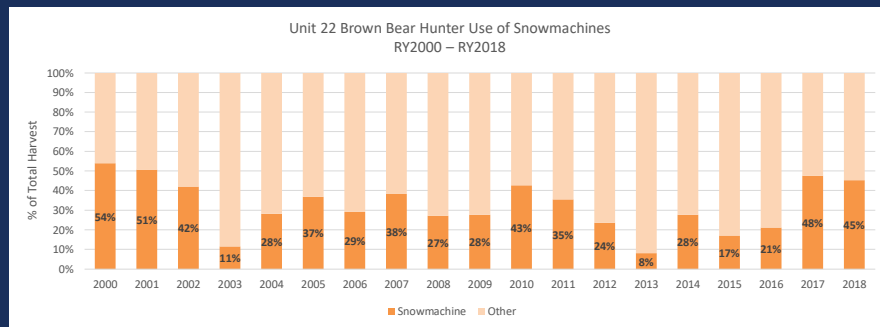
133

## Proposal 42

## Brown Bears / Unit 22

### Unit 22 Snowmachine Use

- Unit 22 Brown Bear Hunters: Average 32% hunted by snowmachine during RY2000-RY2018
  - Resident Brown Bear Hunters: 38%
  - Nonresident Brown Bear Hunters: 28%



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**Proposal 42**

**Brown Bears / Unit 22**

Allow hunters to use a snowmachine to position brown bears for harvest in Unit 22.

Public Proposal

Recommendation: Neutral

*Northern Norton Sound AC*    *Oppose (0 – 13)*  
*Southern Norton Sound AC*    *Oppose (0 – 5)*

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