

**Proposal 120**

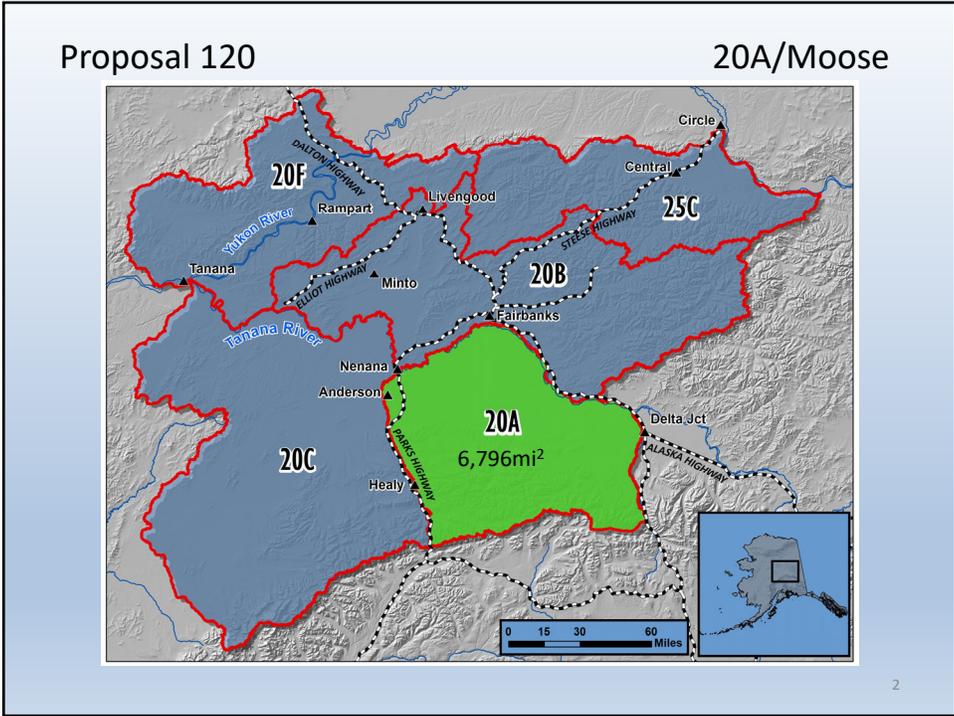
Shorten the season for the any-bull moose  
drawing permit hunts in Unit 20A.

Proposed by: Public

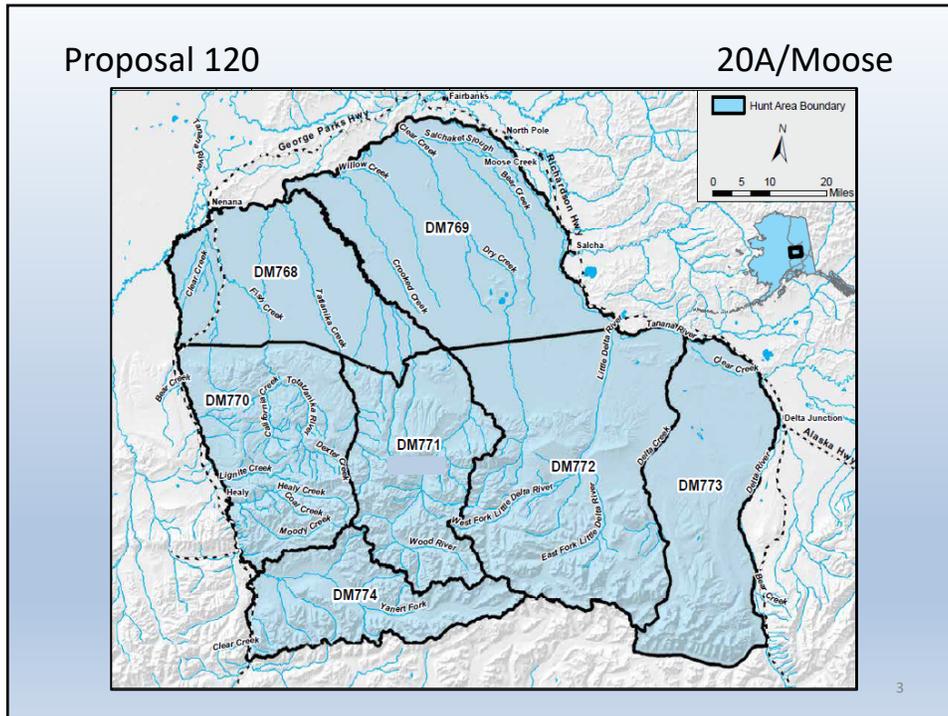
Department Recommendation: **NEUTRAL**

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Proposal 120 20A/Moose

**Current Regulations**

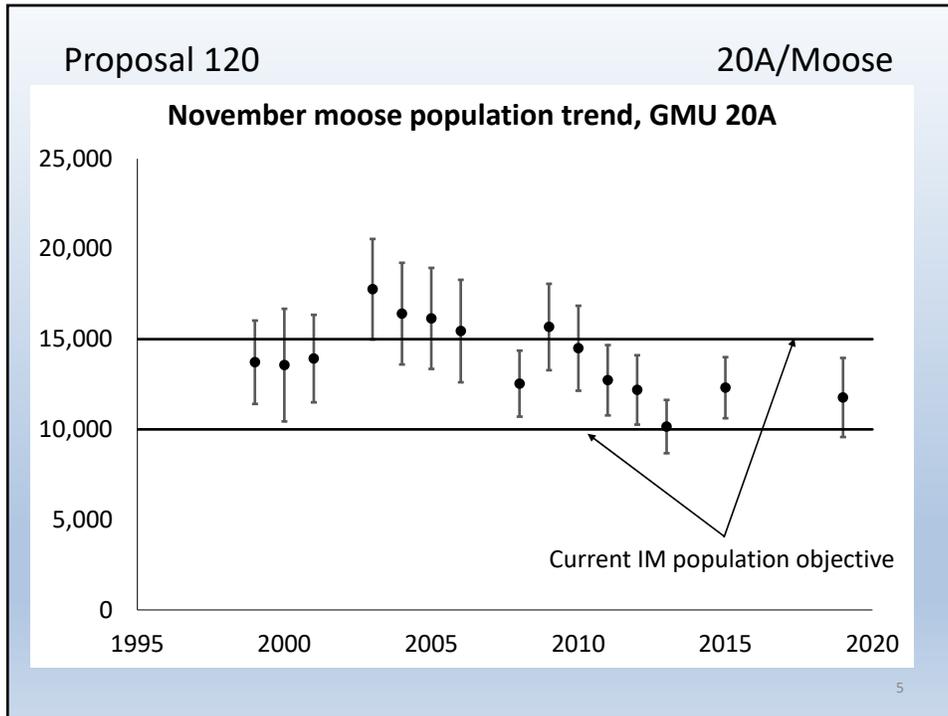
- DM768–774 Any-bull drawing hunt areas
  - Residents only
    - Season 1–25 September
  - Nonresidents
    - No open season

**Proposed Regulations**

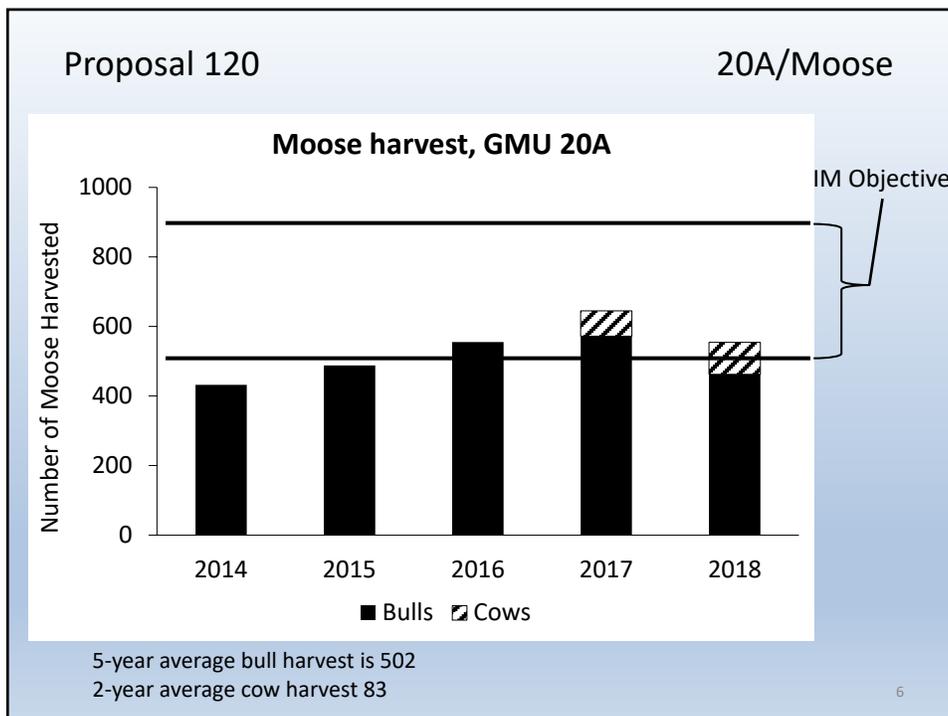
- DM768–774 Any-bull drawing hunt areas
  - Residents only
    - Season 1–10 September
  - Nonresidents
    - No open season

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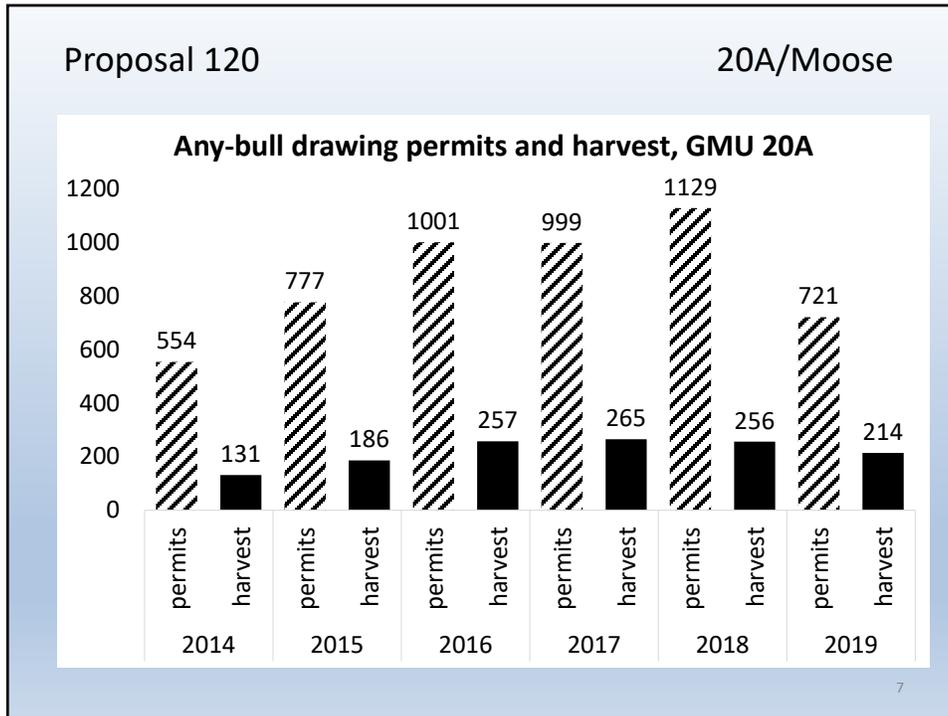
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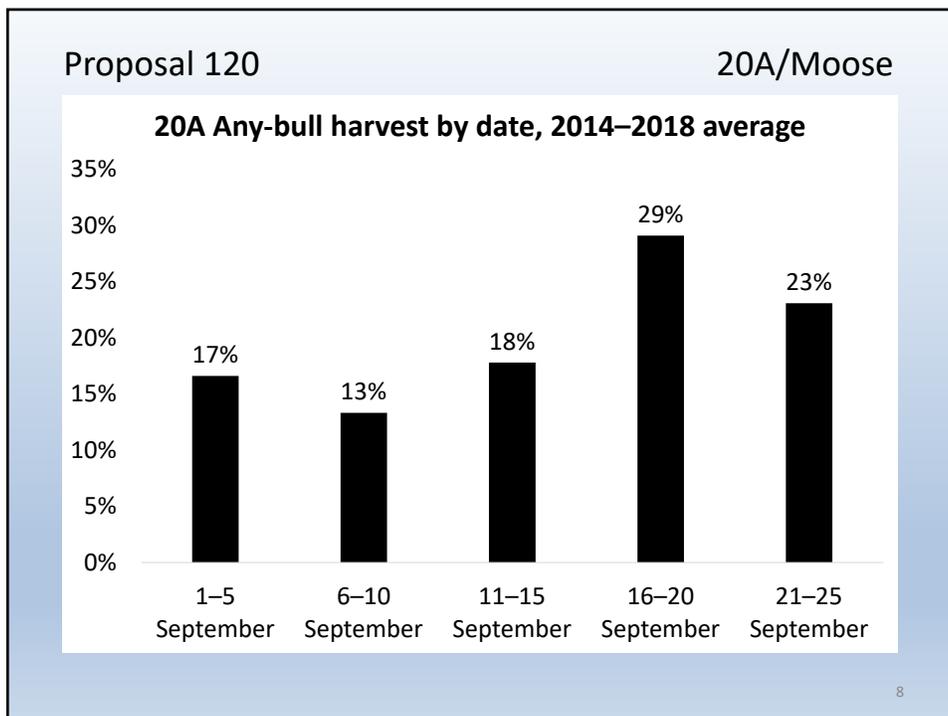
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Proposal 120

20A/Moose

**Conclusion**

- No biological concerns with this proposal
- Met IM harvest objective 3 out of last 5 years
- Bull:cow ratio is 36 bulls:100cows (objective  $\geq 25$ )
- 6-year AVG any-bull harvest
  - 1–10 September = 66 moose
  - 1–25 September = 218 moose (153 more)

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**Proposal 120**

Shorten the season for the any-bull moose drawing permit hunts in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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**Proposal 121**

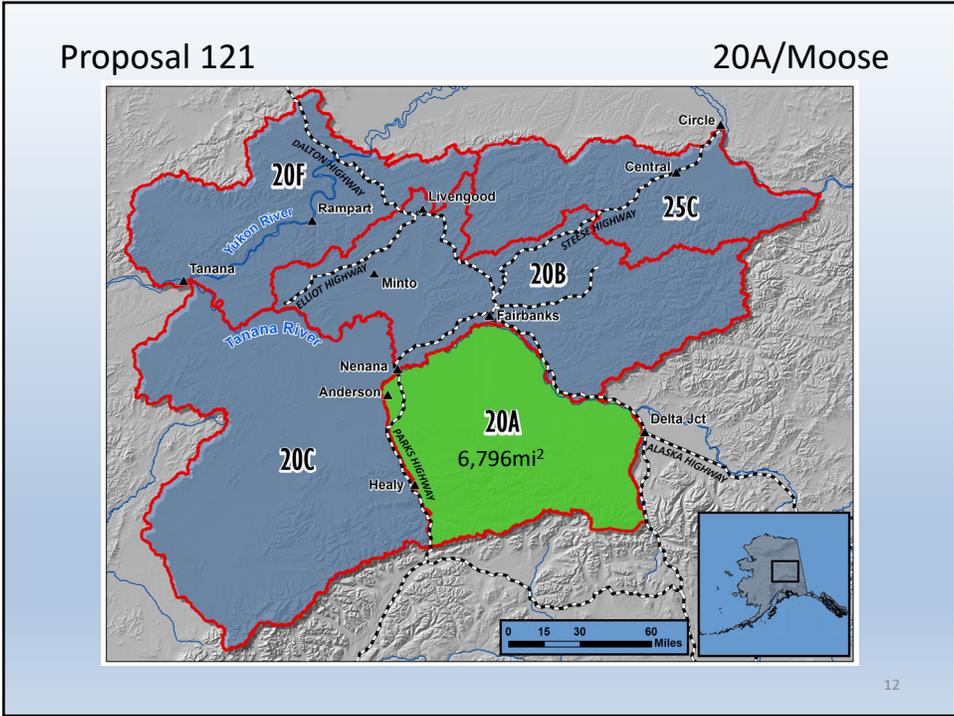
Establish hunt areas for moose drawing permit  
DM770 in Unit 20A.

Proposed by: Public

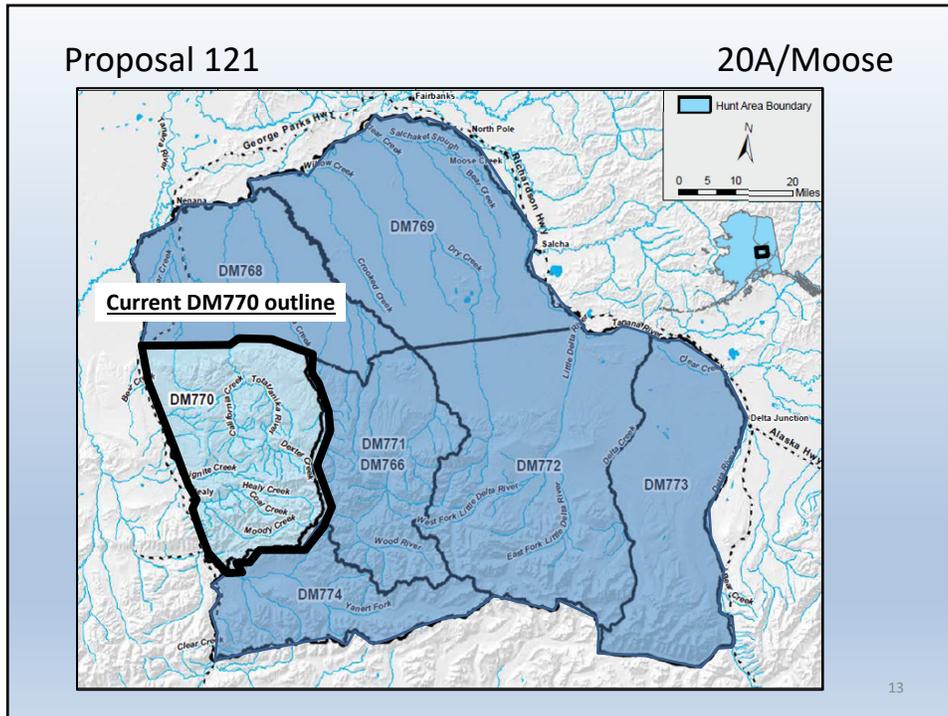
Department Recommendation: **NEUTRAL**

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Proposal 121 20A/Moose

**Current Regulations**

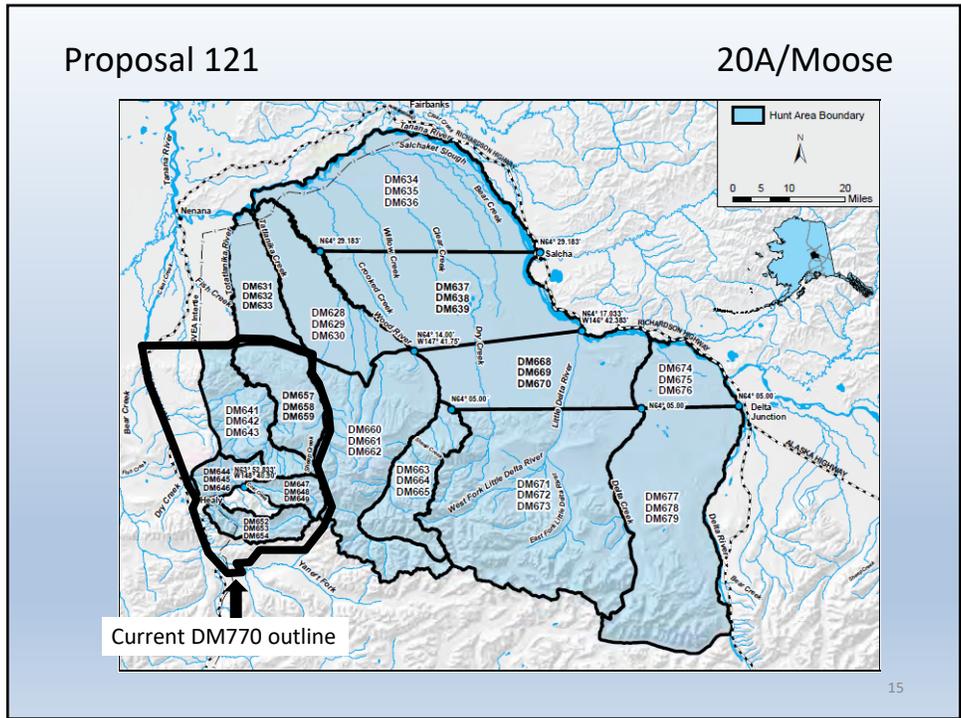
- DM770
  - 1 continuous hunt area (882 mi<sup>2</sup>)
  - Residents only
    - Season 1–25 September
  - Nonresidents
    - No open season

**Proposed Regulations**

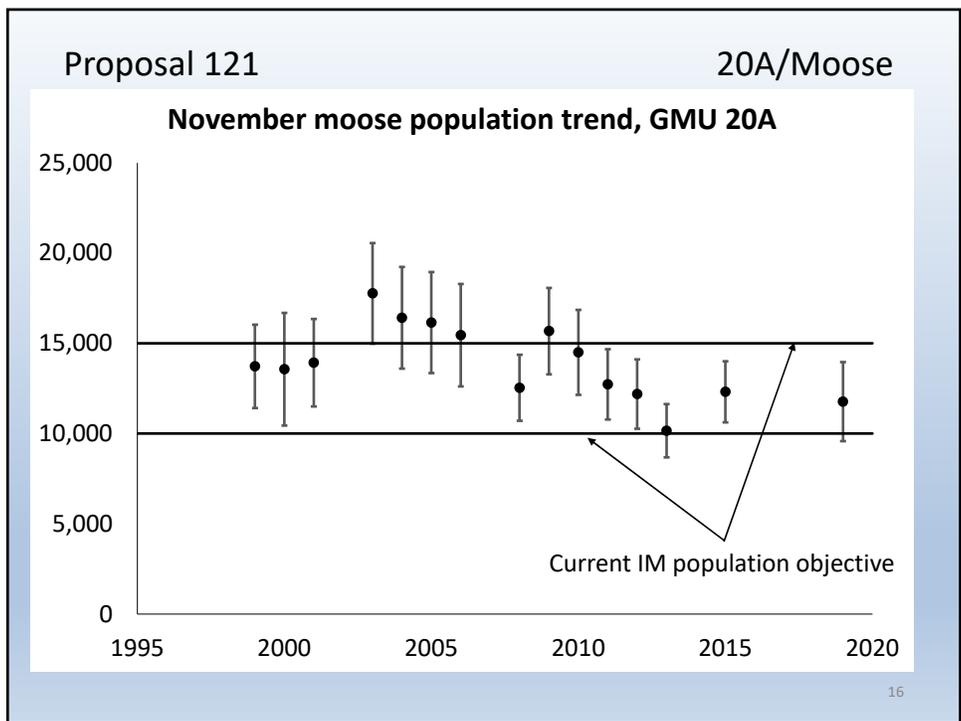
- DM770
  - 6 separate hunt areas (~150 mi<sup>2</sup> each)
  - Residents only
    - Season 1–25 September
  - Nonresidents
    - No open season

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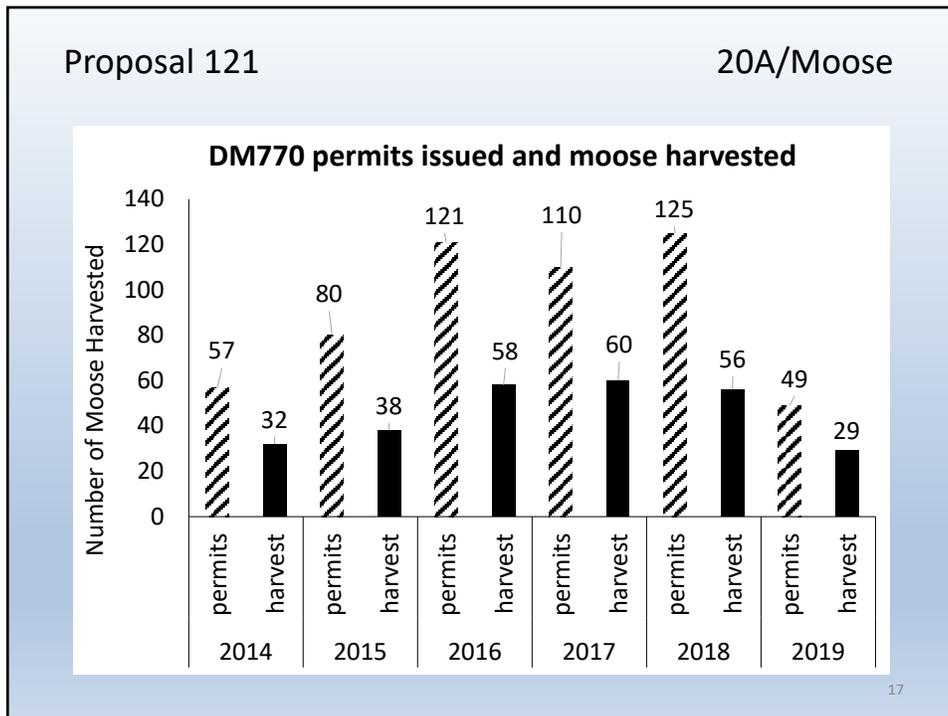
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Proposal 121 20A/Moose

**Conclusion**

- No biological concerns with this proposal
- Proponent’s concern is lack of bull moose
  - 2019 survey 36 bulls: 100 cows
    - WRCUA, YCUA, HLMA, WT Flats 32 bulls:100 cows
  - Reduced the number of DM770 permits for RY19
  - 50 permits / 6 new areas = ~8 permits/area

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**Proposal 121**

Establish hunt areas for moose drawing permit  
DM770 in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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**Proposal 122**

This proposal reauthorizes the antlerless moose seasons  
in  
Unit 20A

Proposed by: ADF&G

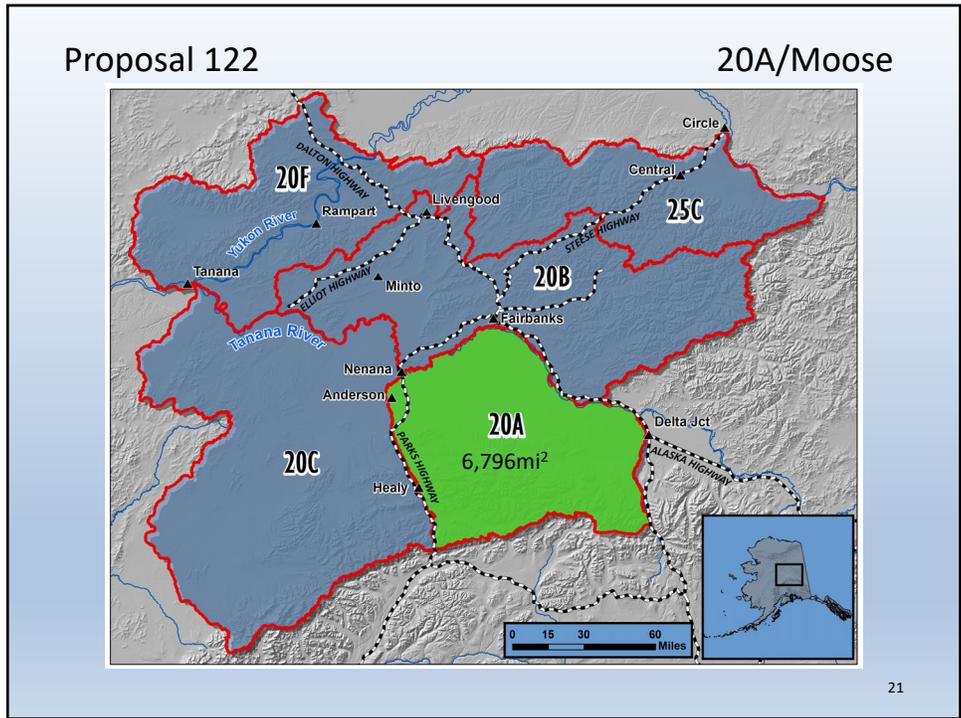
Department Recommendation: **SUPPORT**

AC votes:

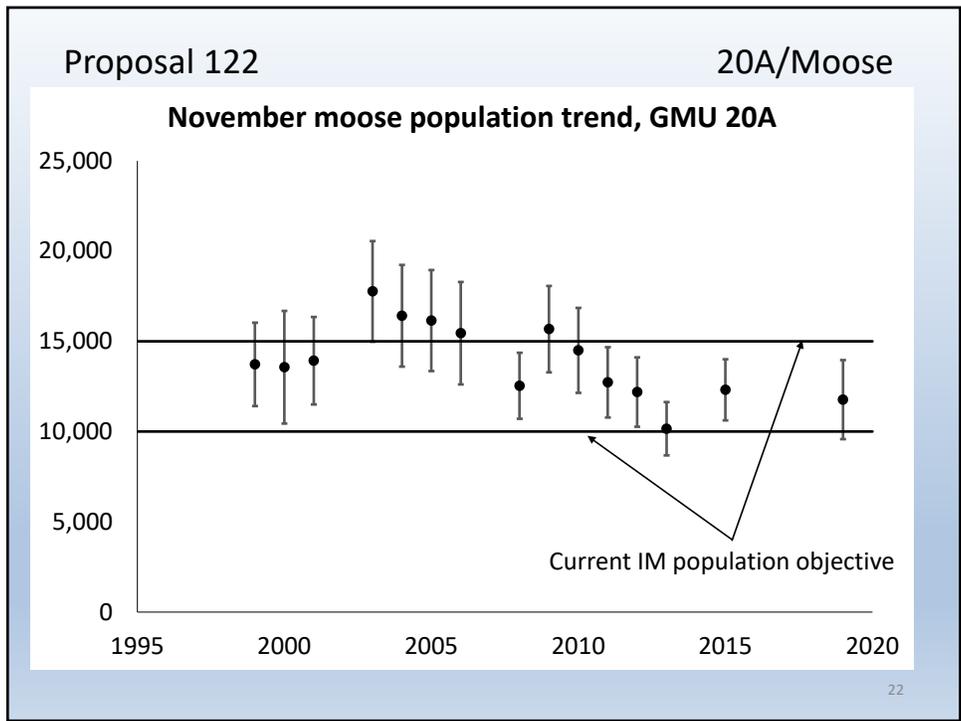
Fairbanks AC	N/A
Middle Nenana AC	support (9-2)
Minto/Nenana AC	N/A
Delta AC	support (7-4)

20

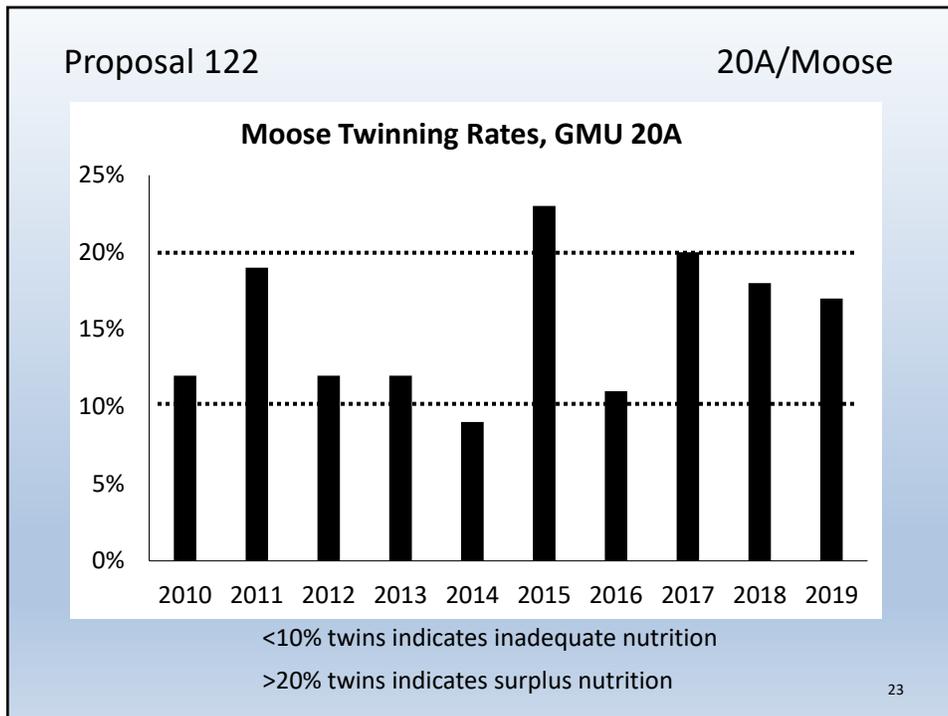
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Proposal 122 20A/Moose

### Short yearling weights

Pounds	Pre-reduction (1997–2006)	Post-reduction (2015–2016)	Difference
Females	365 (n=215)	372 (n=78)	6 ( $p=0.29$ )
Males	362 (n=116)	397 (n=40)	<b>35 (<math>p=0.0004</math>)</b>

<385 pounds indicates inadequate nutrition

>400 pounds indicates surplus nutrition\*

\*BOERTJE, R.D., K. A. KELLIE, C. T. SEATON, M. A. KEECH, D. D. YOUNG, B. W. DALE, L. G. ADAMS, and A. R. ADERMAN. 2007. Ranking Alaska Moose Nutrition: Signals to Begin Liberal Antlerless Harvests. *Journal of Wildlife Management* 71: 1494–1506.

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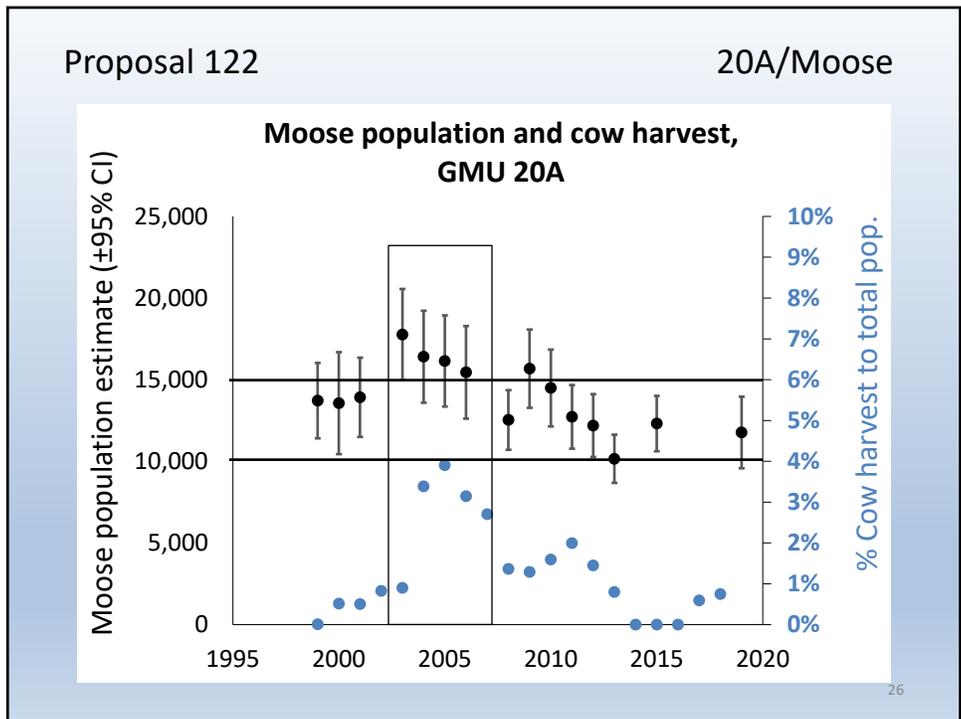
Proposal 122
20A/Moose

	<u>IM objective</u>	<u>Estimate</u>	<u>Year(s)</u>
Population	10,000–15,000	11,770 (9,581–13,959)	2019
Harvest	500–900	502 bulls	2014–2018
		83 cows	2017–2018
	<u>Management objective</u>		
Bulls:100 cows	≥25	36	2019



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Proposal 122	20A/Moose
<b><u>20A Current Harvest Plan</u></b>	
<ul style="list-style-type: none"><li>• Maintain moose population (10,000–15,000 moose)<ul style="list-style-type: none"><li>– Conservative harvest of cow moose<ul style="list-style-type: none"><li>• Harvest less than 1% of total population (2yr AVG = 83/year)</li></ul></li></ul></li> <li>• Liberal harvest of bulls (500–900 moose)<ul style="list-style-type: none"><li>• General Season antler restriction (5yr AVG = 269/year)</li><li>• Any-bull drawing permit (5yr AVG = 219/year)</li><li>• November muzzleloader drawing permit (5yr AVG = 13/year)</li></ul></li></ul>	
27	

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Proposal 122	20A/Moose
<b><u>Conclusion</u></b>	
<ul style="list-style-type: none"><li>• Continue low level cow hunts<ul style="list-style-type: none"><li>– Maintain current population level</li></ul></li> <li>• If not approved:<ul style="list-style-type: none"><li>– Risk uncontrolled population expansion</li><li>– Loss of opportunity to harvest sustainable surplus</li><li>– Targeted hunts (AM751) would not be allowed</li></ul></li></ul>	
28	

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**Proposal 122**

This proposal reauthorizes the antlerless moose seasons  
in  
Unit 20A

Proposed by: ADF&G

Department Recommendation: **SUPPORT**

AC votes:

Fairbanks AC	N/A
Middle Nenana AC	support (9-2)
Minto/Nenana AC	N/A
Delta AC	support (7-4)

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**Proposal 123**

Expand the Healy–Lignite Management Area in  
Unit 20A.

Proposed by: Public

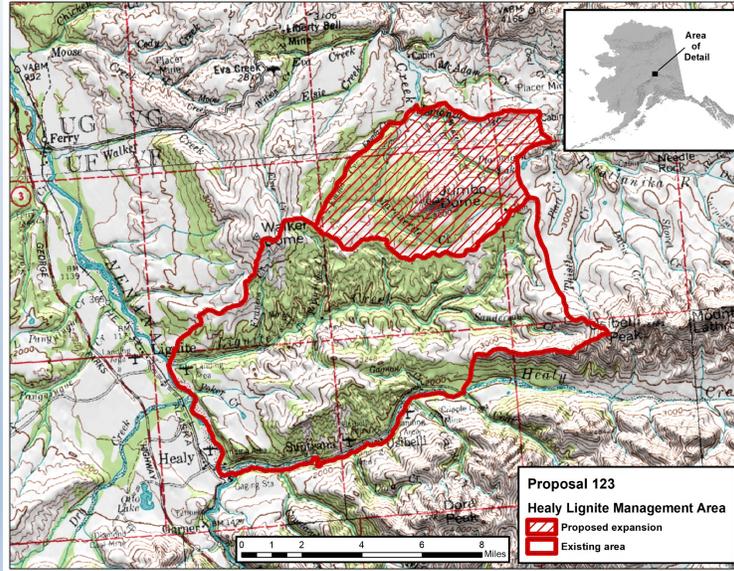
Department Recommendation: **NEUTRAL**

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Proposal 123

20A/Healy-Lignite

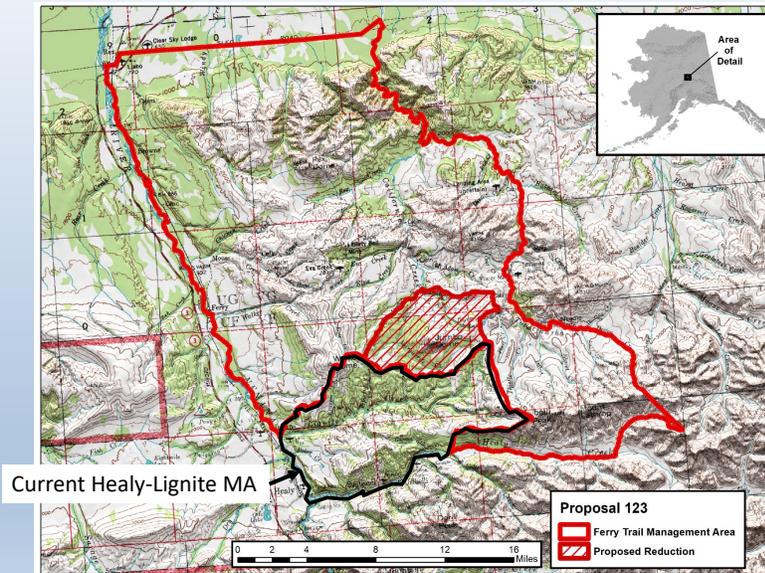


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Proposal 123

20A/Healy-Lignite



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Proposal 123

20A/Healy-Lignite

### Current Regulations

- Healy-Lignite Management Area
  - 71 miles<sup>2</sup>
  - No special travel regulations
  - Methods regulation
    - Open to hunting by bow and arrow only
    - Small game by falconry
- Ferry Trail Management Area
  - 414 miles<sup>2</sup>
  - No special travel restrictions
  - No special methods regulations

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Proposal 123

20A/Healy-Lignite

### Healy-Lignite MA

- 1973 – Healy-Lignite Closed Area
  - Area around Usibelli Coal mine was closed to all hunting
- 1990 – Healy-Lignite Management Area
  - Area open to hunting by bow and arrow only
- 2012 – Small game by falconry
- Boundaries
  - Remained basically same as original closed area

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Proposal 123	20A/Healy-Lignite
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**Ferry Trail MA**

- Land would be transferred from Ferry Trail MA
  - Originally
    - Caribou drawing permit area
    - Moose antler restricted area
  - Recently
    - All 20A is a caribou draw area
    - Same moose antler restrictions as H-L MA
- Biggest change with proposal
  - Increase weapons restricted area (by 26 miles<sup>2</sup>)
  - Decrease non-restricted area

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Proposal 123	20A/Healy-Lignite
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**Healy-Lignite Management Area 2014–2018 average**

	<u>Caribou Harvest</u>	<u>Moose Harvest</u>	<u>Sheep*</u> Harvest
WRCUA	0	4	0
All of 20A	56	536	107
% in WRCUA	0%	<1%	0%

- Healy-Lignite MA
  - <1% of 20A moose harvest
  - 0% of 20A sheep and caribou harvest

\*DS203 and DS204 not included

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Proposal 123

20A/Healy-Lignite

**Conclusion**

- No biological concerns with this proposal
- Harvest is low (4 moose/year)
- Access is difficult

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**Proposal 123**

Expand the Healy–Lignite Management Area in  
Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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**Proposal 124**

Allow shotguns for hunting within the Healy-Lignite Management Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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Proposal 124 20A/Healy-Lignite

The map displays a topographic view of the Healy-Lignite Management Area. A red boundary outlines the management area, which includes several creeks such as the Healy, Sanderson, and Jumbo. Key features include Jumbo Dome (3000 ft) and Dora Peak (5000 ft). The map is overlaid with a grid and labels for various creeks and peaks. An inset map in the top left corner shows the location of the area within the state of Alaska.

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Proposal 124

20A/Healy-Lignite

### Healy-Lignite MA

- 1973 – Healy-Lignite Closed Area
  - Area around Usibelli Coal mine was closed to all hunting
- 1990 – Healy-Lignite Management Area
  - Area open to bow and arrow hunting only
- 2012 – Small game by falconry
- Boundaries
  - Remained basically same as original closed area

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Proposal 124

20A/Healy-Lignite

### Current Regulations

- Healy-Lignite Management Area
  - Open to hunting by bow and arrow only
  - Small game by falconry

### Proposed Regulations

- Healy-Lignite Management Area
  - Open to hunting by bow and arrow and shotgun
  - Small game by falconry

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Proposal 124

20A/Healy-Lignite

**Conclusion**

- No biological concerns with this proposal
  
- Unclear if only for small game and waterfowl
  - Same proponent submitted prop. 125
    - Clarified to small game
  - Prop. 126 shotgun and rimfire for small game

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**Proposal 124**

Allow shotguns for hunting within the Healy–  
Lignite Management Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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# Proposal 125

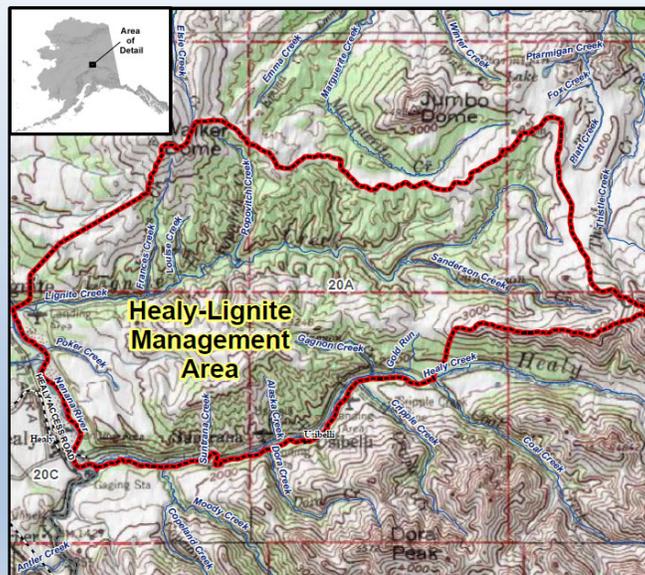
Allow shotguns for hunting small game within the Healy-Lignite Management Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

Proposal 125

20A/Healy-Lignite



Proposal 125

20A/Healy-Lignite

### Healy-Lignite MA

- 1973 – Healy-Lignite Closed Area
  - Area around Usibelli Coal mine was closed to all hunting
- 1990 – Healy-Lignite Management Area
  - Area open to bow and arrow hunting only
  - 2012 – Small game by falconry
- Boundaries
  - Remained basically same as original closed area

47

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Proposal 125

20A/Healy-Lignite

### Current Regulations

- Healy-Lignite Management Area
  - Open to hunting by bow and arrow only
  - Small game by falconry

### Proposed Regulations

- Healy-Lignite Management Area
  - Open to hunting by bow and arrow only
  - Small game by falconry and shotgun

48

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Proposal 125

20A/Healy-Lignite

**Conclusion**

- No biological concerns with this proposal
- Allocation

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**Proposal 125**

Allow shotguns for hunting small game within the Healy–Lignite Management Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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# Proposal 126

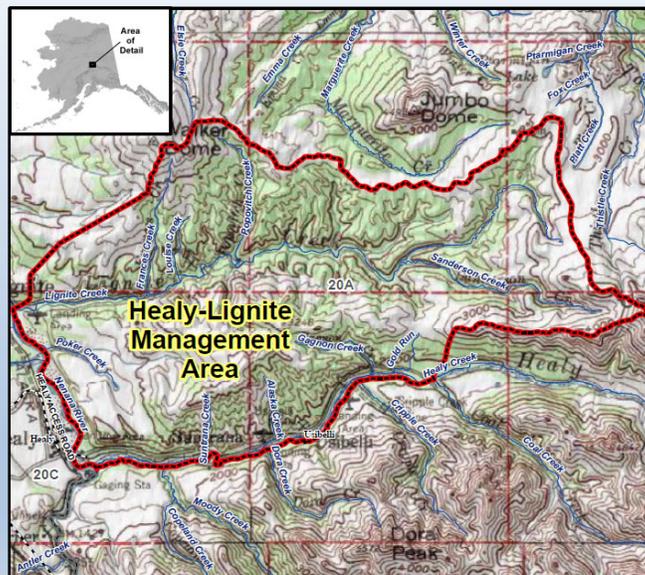
Allow shotguns and rimfire weapons for hunting small game within the Healy-Lignite Management Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

Proposal 126

20A/Healy-Lignite



Proposal 126

20A/Healy-Lignite

### Healy-Lignite MA

- 1973 – Healy-Lignite Closed Area
  - Area around Usibelli Coal mine was closed to all hunting
- 1990 – Healy-Lignite Management Area
  - Area open to bow and arrow hunting only
  - 2012 – Small game by falconry
- Boundaries
  - Remained basically same as original closed area

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Proposal 126

20A/Healy-Lignite

### Current Regulations

- Healy-Lignite Management Area
  - Open to hunting by bow and arrow only
  - Small game by falconry

### Proposed Regulations

- Healy-Lignite Management Area
  - Open to hunting by bow and arrow only
  - Small game by falconry, shotgun, and rimfire

54

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Proposal 126

20A/Healy-Lignite

**Conclusion**

- No biological concerns with this proposal
- Allocation

55

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**Proposal 126**

Allow shotguns and rimfire weapons for hunting small game within the Healy-Lignite Management Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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**Proposal 127**

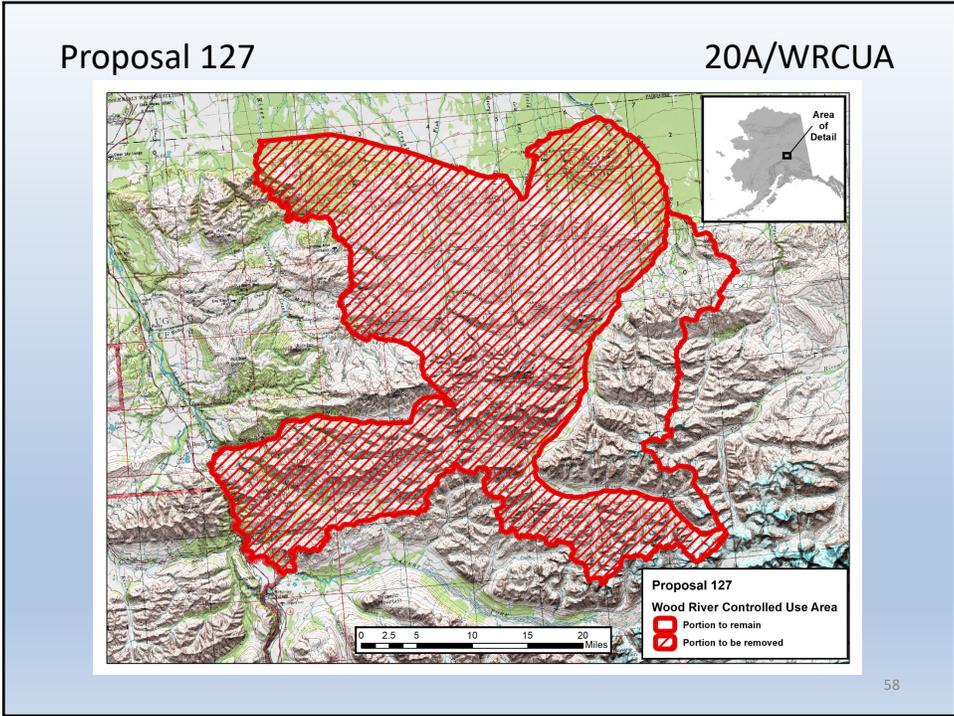
Modify the boundary of the Wood River  
Controlled Use Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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Proposal 127

20A/WRCUA

### Current Regulations

- Wood River Controlled use area
  - 1,172 miles<sup>2</sup>
  - Closed to use of any motorized vehicle except aircraft and boats for big game hunting from 1 August to 30 September

### Proposed Regulations

- Wood River Controlled use area
  - 223 miles<sup>2</sup> (a reduction of ~80%)
  - Closed to use of any motorized vehicle except aircraft and boats for big game hunting from 1 August to 30 September

59

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Proposal 127

20A/WRCUA

### Wood River Controlled Use Area

- Established in 1976 mainly to manage sheep hunting pressure
  - Was a much larger area including Yanert and Tanana Flats
  - Limited motorized travel to boats and airplanes
- 1977 Tanana Flats removed
- 1983 Yanert removed
- 1998 a portion was removed
  - 1998 proposal removed 20% of WRCUA
- 2000 that portion was reinstated

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Proposal 127		20A/WRCUA					
<b>Wood River Controlled Use Area 2014–2018 average</b>							
	Caribou		Moose		Sheep*		
	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	
WRCUA	44	28	338	123	138	52	
All of 20A	96	56	1696	536	288	107	
% in WRCUA	46%	50%	20%	23%	48%	49%	

- Wood River CUA
  - 20% of 20A moose hunters
  - 46% of 20A caribou hunters
  - 48% of 20A sheep hunters

\*DS203 and DS204 not included

61

Proposal 127		20A/WRCUA					
<b><u>Conclusion</u></b>							
<ul style="list-style-type: none"> <li>• If adopted, we expect:                             <ul style="list-style-type: none"> <li>– increased user conflicts</li> <li>– Increased hunting pressure, however current regulations will prevent overharvest                                     <ul style="list-style-type: none"> <li>• Dall sheep horn restrictions</li> <li>• Caribou hunting by drawing permit only</li> <li>• Moose hunting drawing permits and antler restrictions</li> </ul> </li> </ul> </li> </ul>							

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Proposal 127

20A/WRCUA

**Conclusion**

- No biological concerns with this proposal.
- Proposal (similar to prop. 128) adopted 1998
  - Submitted by Middle Nenana River AC
  - In 2000 Middle Nenana River AC submitted proposal to return boundaries
  - Middle Nenana River AC does not support prop. 127

63

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**Proposal 127**

Modify the boundary of the Wood River  
Controlled Use Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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**Proposal 128**

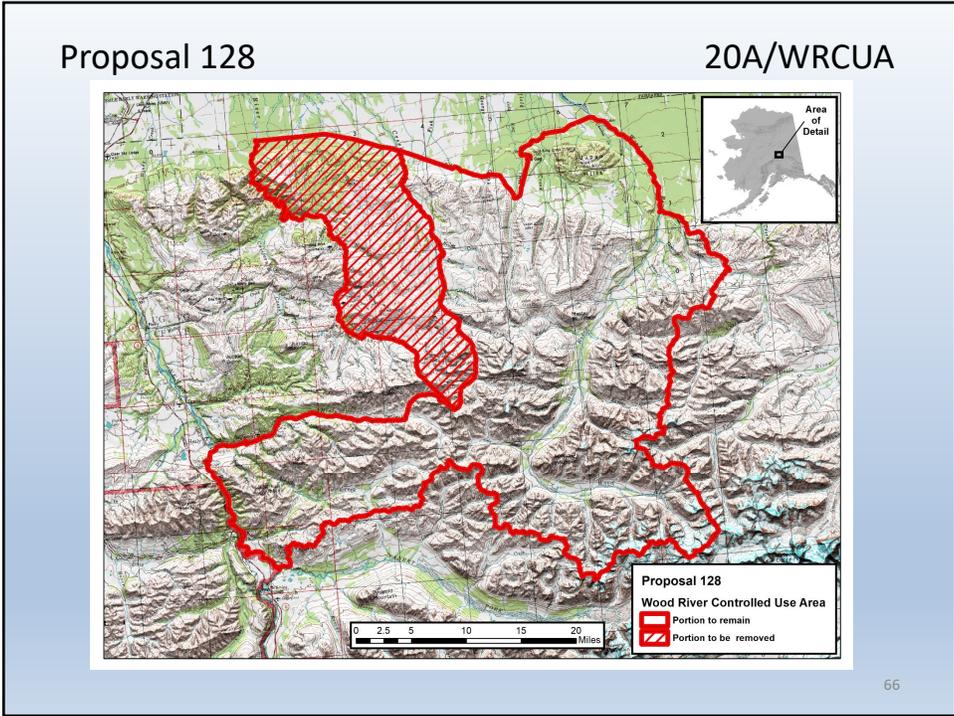
Modify the boundary of the Wood River  
Controlled Use Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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Proposal 128

20A/WRCUA

### Current Regulations

- Wood River Controlled use area
  - 1,172 miles<sup>2</sup>
  - Closed to use of any motorized vehicle except aircraft for big game hunting from 1 August to 30 September

### Proposed Regulations

- Wood River Controlled use area
  - 951 miles<sup>2</sup> (a reduction of ~19%)
  - Closed to use of any motorized vehicle except aircraft for big game hunting from 1 August to 30 September

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Proposal 128

20A/WRCUA

### Wood River Controlled Use Area

- Established in 1976 mainly to manage sheep hunting pressure
  - Was a much larger area including Yanert and Tanana Flats
  - Limited motorized travel to boats and airplanes
- 1977 Tanana Flats removed
- 1983 Yanert removed
- 1998 a portion was removed
  - (nearly identical to this proposal)
- 2000 that portion was reinstated

68

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Proposal 128		20A/WRCUA					
<b>Wood River Controlled Use Area 2014–2018 average</b>							
	Caribou		Moose		Sheep*		
	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	
WRCUA	44	28	338	123	138	52	
All of 20A	96	56	1696	536	288	107	
% in WRCUA	46%	50%	20%	23%	48%	49%	

- Wood River CUA
  - 20% of 20A moose hunters
  - 46% of 20A caribou hunters
  - 48% of 20A sheep hunters

\*DS203 and DS204 not included

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Proposal 128		20A/WRCUA	
<b><u>Conclusion</u></b>			
<ul style="list-style-type: none"> <li>• If adopted, we expect:                             <ul style="list-style-type: none"> <li>– increased user conflicts</li> <li>– Increased hunting pressure, however current regulations will prevent overharvest                                     <ul style="list-style-type: none"> <li>• Dall sheep horn restrictions</li> <li>• Caribou hunting by drawing permit only</li> <li>• Moose hunting drawing permits and antler restrictions</li> </ul> </li> </ul> </li> </ul>			

70

Proposal 128

20A/WRCUA

**Conclusion**

- No biological concerns with this proposal.
- Nearly identical proposal adopted 1998
  - Submitted by Middle Nenana River AC
  - In 2000 Middle Nenana River AC submitted proposal to return boundaries
  - Middle Nenana River AC does not support prop. 128

71

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**Proposal 128**

Modify the boundary of the Wood River  
Controlled Use Area in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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## Proposal 129

Change the closure dates for the Yanert Controlled Use Area (CUA) in Unit 20A to align with the Wood River CUA and clarify whether horse feed is considered “hunting gear”.

Proposed by: Public

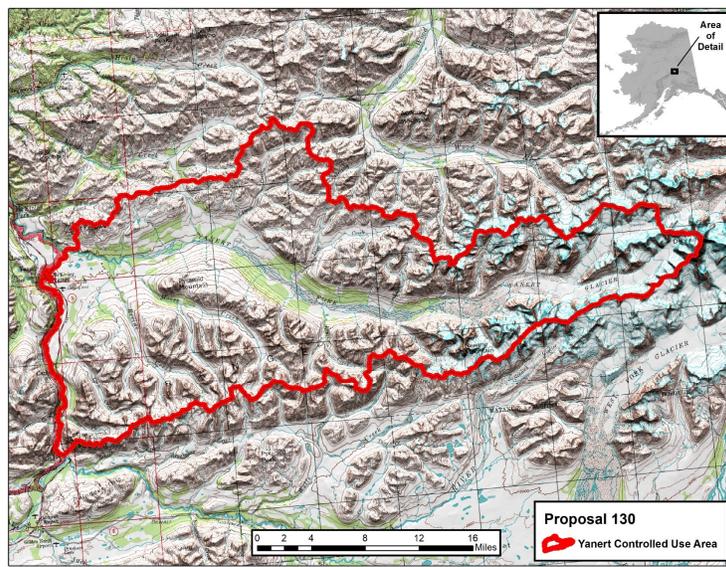
Department Recommendation: **NEUTRAL**

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Proposal 129

20A/Yanert CUA



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Proposal 129

20A/Yanert CUA

**Current Regulations**

- Yanert Controlled Use Area
  - 578 miles<sup>2</sup>
  - Closed to use of any motorized vehicle except aircraft for big game hunting including the transportation of big game hunters, their hunting gear, or parts of big game year around
    - Exemption for hunters along the Parks Highway
    - Exemption for big game meat that has been processed for human consumption
- Hunting gear is not defined

**Proposed Regulations**

- Yanert Controlled Use Area
  - 578 miles<sup>2</sup>
  - Lift the restrictions on motorized vehicles except for August and September
- Define hunting gear in regulation

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Proposal 129

20A/Yanert CUA

**Yanert Controlled Use Area**

- Established in 1976 as part of the Wood River CUA
  - Limited motorized travel to boats and airplanes
- 1983 Yanert drainage removed
  - Created a new CUA
  - Maintained year around travel restrictions
- Since 1983 boundaries have remained

76

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Proposal 129		20A/Yanert CUA					
<b>Yanert Controlled Use Area 2014–2018 average</b>							
	Caribou		Moose		Sheep*		
	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	
WRCUA	10	8	62	28	28	11	
All of 20A	96	56	1696	536	288	107	
% in WRCUA	10%	14%	4%	5%	10%	10%	

- Yanert CUA
  - 4% of 20A moose hunters
  - 10% of 20A caribou and sheep hunters

\*DS203 and DS204 not included

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Proposal 129		20A/Yanert CUA	
<b><u>Conclusion (defining hunting gear)</u></b>			
<ul style="list-style-type: none"> <li>• Current definition of hunting gear                             <ul style="list-style-type: none"> <li>– Not clear</li> <li>– Open to interpretation</li> </ul> </li> <li>• Statewide issue                             <ul style="list-style-type: none"> <li>– Recommend defer to 2021 statewide meeting</li> </ul> </li> </ul>			

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Proposal 129

20A/Yanert CUA

**Conclusion**

- No biological concerns with this proposal.
- August and September motorized restrictions would remain

79

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**Proposal 129**

Change the closure dates for the Yanert Controlled Use Area (CUA) in Unit 20A to align with the Wood River CUA and clarify whether horse feed is considered “hunting gear”.

Proposed by: Public

Department Recommendation: **NEUTRAL**

80

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# Proposal 130

Disallow the issuance of methods and means disability exemption permits for the Yanert Controlled Use Area (CUA) in Unit 20A.

Proposed by: Public

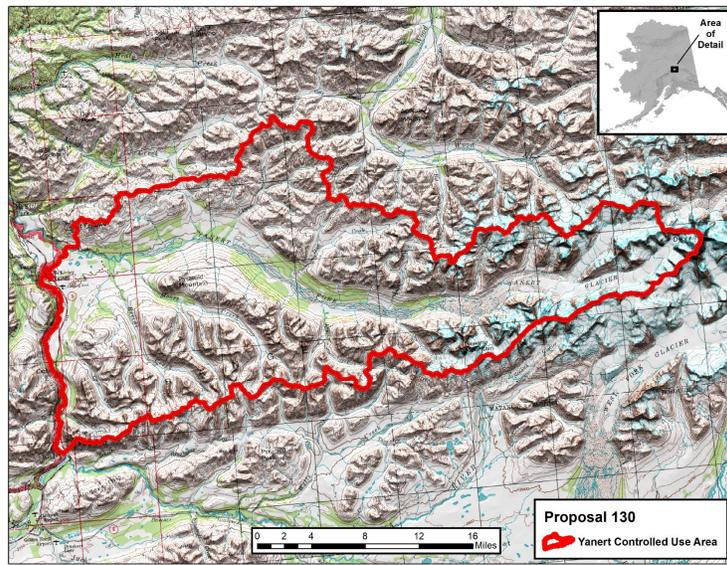
Department Recommendation: **NEUTRAL**

81

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Proposal 130

20A/Yanert CUA



82

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Proposal 130

20A/Yanert CUA

**Current Regulations**

- 5 AAC 92.104. Authorization for methods and means disability exemptions

**Proposed Regulations**

- 5 AAC 92.104. Authorization for methods and means disability exemptions
  - Disallow methods and means exemptions for the Yanert CUA

83

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Proposal 130

20A/Yanert CUA

**Yanert Controlled Use Area**

- Established in 1976 as part of the Wood River CUA
  - Limited motorized travel to boats and airplanes
- 1983 Yanert drainage removed
  - Created a separate CUA
  - Maintained year around travel restrictions

84

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Proposal 130		20A/Yanert CUA				
Yanert Controlled Use Area 2014–2018 average						
	Caribou		Moose		Sheep*	
	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>	<u>Hunters</u>	<u>Harvest</u>
WRCUA	10	8	62	28	28	11
All of 20A	96	56	1696	536	288	107
% in WRCUA	10%	14%	4%	5%	10%	10%

- Yanert CUA
  - 4% of 20A moose hunters
  - 10% of 20A caribou and sheep hunters

\*DS203 and DS204 not included

85

Proposal 130		20A/Yanert CUA	
<b><u>Conclusion</u></b>			
<ul style="list-style-type: none"> <li>• No biological concerns with this proposal</li> <li>• Methods and means exemptions are rare                             <ul style="list-style-type: none"> <li>– ~5/year statewide for motorized exemptions</li> </ul> </li> <li>• Recommend defer to 2021 statewide meeting</li> <li>• <i>Note: The Americans with Disabilities Act requires the State of Alaska to make reasonable modifications when the modifications are necessary to avoid discrimination on the basis of disability, unless the modification would fundamentally alter the nature of the program or activity.</i></li> </ul>			

86

## Proposal 130

Disallow the issuance of methods and means disability exemption permits for the Yanert Controlled Use Area (CUA) in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

87

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## Proposal 131

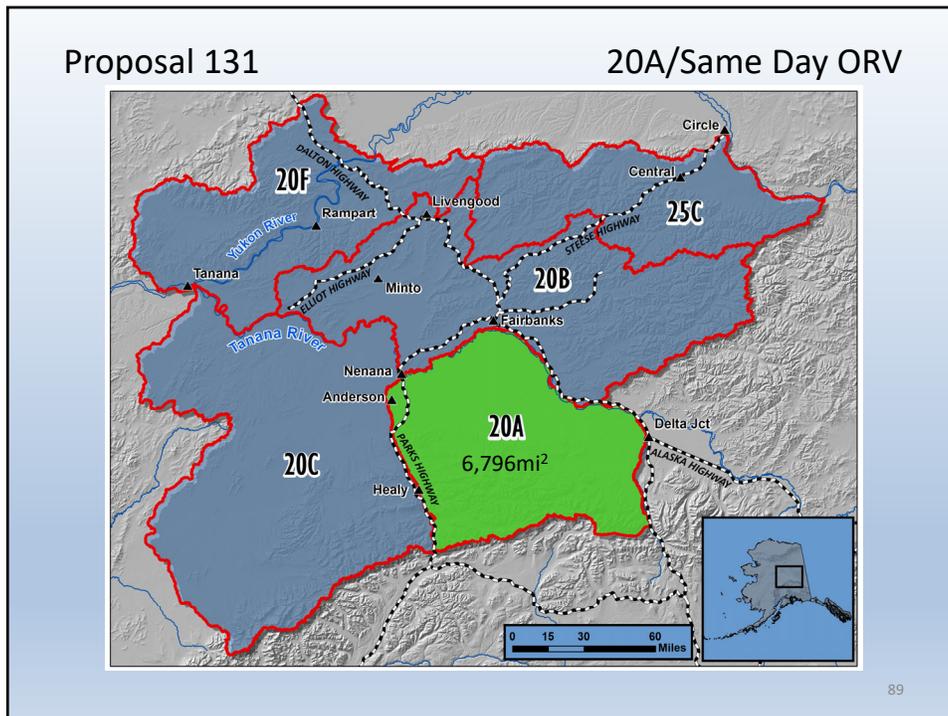
Limit the use of off-road vehicle for moose hunting in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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Proposal 131 20A/Same Day ORV

**Current Regulations**

- No regulation against hunting moose on the same day operating off-road vehicle (ORV)

**Proposed Regulations**

- Align ORV use with same day airborne regulation for moose hunting in 20A.
  - 5AAC 92.085 (8) Same day airborne
  - Must wait until after 3:00am the day following operating an off-road vehicle to hunt moose

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Proposal 131

20A/Same Day ORV

### Definition of ORV

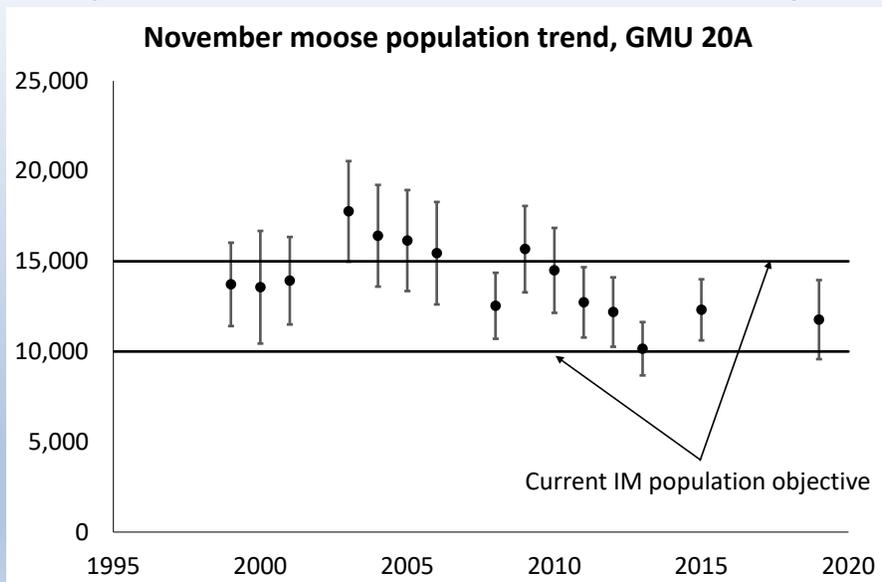
- 5AAC 92.004 (c) – In this section, “off-road vehicle” includes fourwheel drive trucks and automobiles, motorcycles, three- to eight-wheeled all-terrain recreation and utility vehicles, vehicles with two tracks, air-cushioned vehicles, and airboats operated outside of a navigable waterway.

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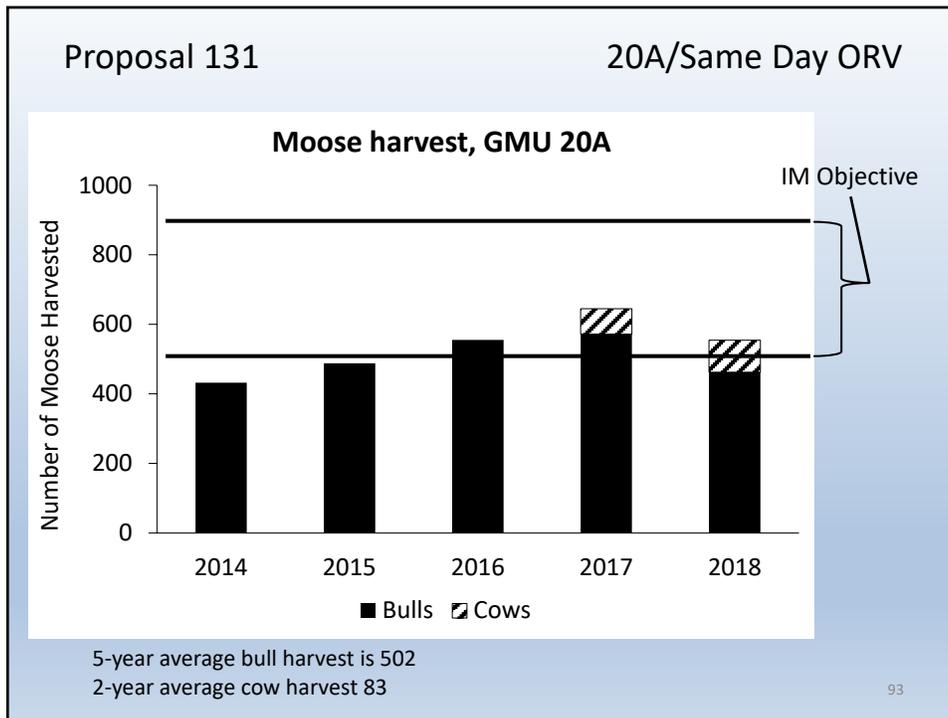
Proposal 131

20A/Same Day ORV

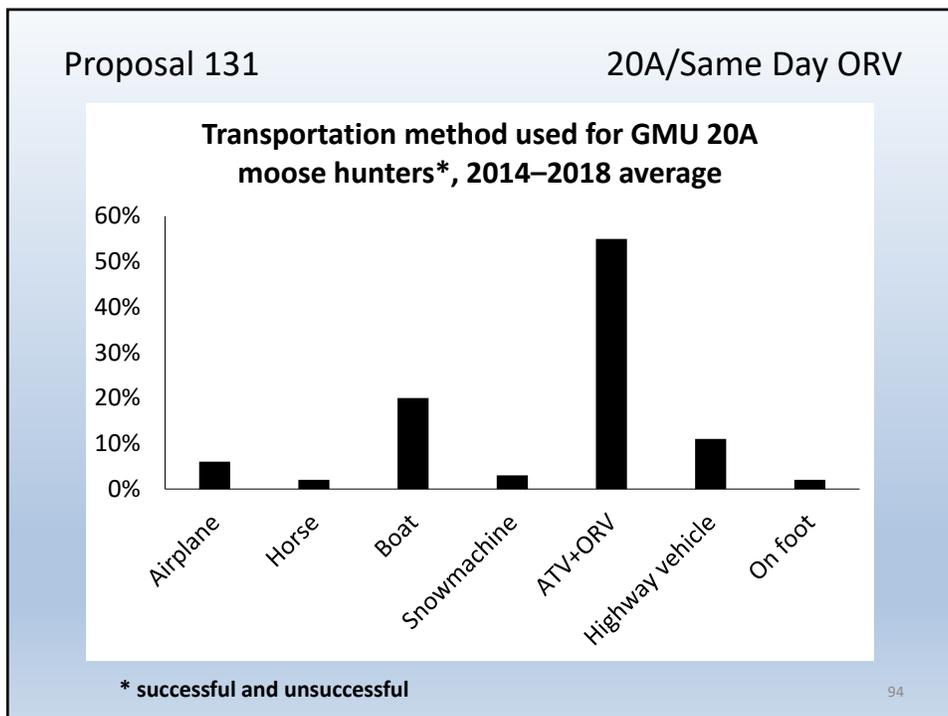


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Proposal 131

20A/Same Day ORV

**Conclusion**

- No biological concerns with this proposal
- Average of 1700 moose hunters in 20A
  - >50% would be affected

95

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**Proposal 131**

Limit the use of off-road vehicle for moose hunting in Unit 20A.

Proposed by: Public

Department Recommendation: **NEUTRAL**

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# Proposal 132

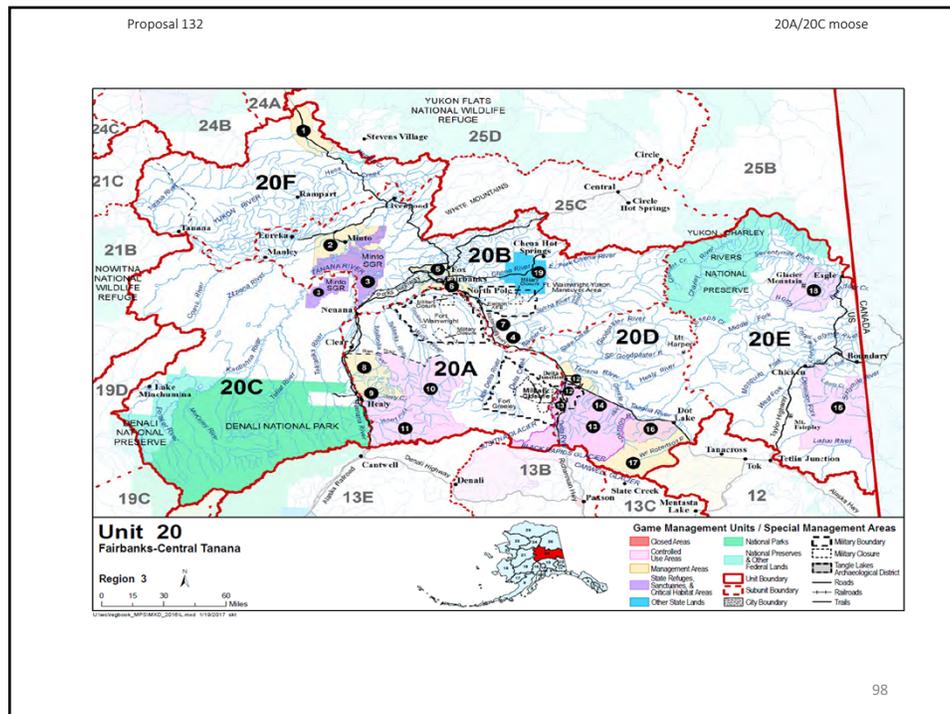
**What would the proposal do?** Shorten the moose hunting season in Units 20A and 20C

Proposed by: Public

Department Recommendation: **OPPOSED**

97

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98

Proposal 132
20A/20C moose

- This proposal would shorten the moose season in Units 20A and 20C by 5 days.
- The proposal doesn't specify if they intend to shorten cow seasons or just bull seasons.
- The proponent's intent was to shorten just the general season.
- This would reduce the season length by 20%

Unit	Residency	Moose season	Hunt type	Bag limit
20A	Residents/Nonresidents	Sept. 1-25	Harvest Ticket	One bull with antler restrictions
	Residents	Sept. 1-25	Drawing permit	One bull
	Residents	Nov. 1- Dec.15	Drawing permit	One bull by muzzleloader
20C	Residents	Aug. 15 - Nov.15	Drawing permit	One antlerless moose
	Residents	Sept. 1-25	Harvest Ticket	one bull
	Nonresidents	Sept. 1-25	Harvest Ticket	one bull with antler restrictions

99

Proposal 132
20A/20C moose

- Unit 20A and 20C have positive finding for Intensive Management
  - 20A IM population objective = 10,000-15,000 moose
    - Unit 20A, 2019 population estimate = **11,770 moose** (90% CI, 9,581-13,959)
  - 20A IM harvest objective = 500-900 moose
    - 20A 2014-2018 average total harvest = **536 moose**
    - 20A 2014-2018 general season total harvest = **269 moose**
  - 20C IM population objective = 3,000-4,000 moose
    - Unit 20C, 2011 population estimate = **3801 moose** outside Denali National Park.
  - 20C IM harvest objective = 150-400 moose
    - 20C 2014-2018 average harvest = **163 moose**

100

Proposal 132 20A/20C moose

### Bull:cow ratios

20A

- Unit 20A, 2019 Bull:cow ratio = **36 bulls: 100 cows.**

20C

- Unit 20C, 2011 Bull:cow ratio = **49 bulls: 100 cows.**

\*Both indicate the unit is not being over harvested

101

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Proposal 132 20A/20C moose

### Unit 20A

- The population has been stable within the IM objective.
- The current harvest strategy has been working well
- The bull: cow ratio is above objective, so the bull component of the population is not being over harvested

Unit 20A moose population estimates  
2000 to 2019

Year	Population Estimate
2000	14000
2001	14000
2002	18000
2003	16000
2004	16000
2005	15000
2006	15000
2007	13000
2008	15000
2009	14000
2010	13000
2011	12000
2012	10000
2013	12000
2014	12000
2015	12000
2016	12000
2017	12000
2018	12000
2019	12000

102

102

### Unit 20C

- The populations most recent survey was within the IM objective.
- The current harvest strategy has been working. Harvest has been stable within the IM objectives.
- The bull: cow ratio is above objective, so the bull component of the population is not being over harvested.
- Hundreds of thousands of acres have burned within 20C in the last 10 years. With the improved habitat the population will likely increase.

### Conclusion

- This proposal would shorten the season in Units 20A and 20C by 20%.
- This would likely reduce the harvest by 20% or more and may cause the harvest unnecessarily drop below IM harvest objectives.
- The department has no concerns about over harvest in these units.
- The department does not have any data supporting the proponent's statement that cow moose are not being bred or that breeding season is being delayed.
- Passing this proposal would also be a loss of opportunity for hunters.

## Proposal 132

**What would the proposal do?** Shorten the moose hunting season in Units 20A and 20C

Proposed by: Public

Department Recommendation: **OPPOSED**

105

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## Proposal 133

**What would the proposal do?** Establish the Stampede Trail Management Area in Unit 20C for archery and muzzleloader hunting only.

**Proposed by:** Middle Nenana River Fish and Game Advisory Committee

Department Recommendation: **NEUTRAL**

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Proposal 133 20C/ Management area

- This proposal would create a management area that would only allow hunting only by muzzleloader or archery in the area of the Stampede Trail.
- As written the proposal is not clear if this is for all species and/or for both big and small game species.
- The proponent's intention was for a muzzleloader and archery only area for moose and only during the fall general moose season.
- The boundary for the area was unclear.

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Proposal 133 20C/ Management area

The map displays the geographical context of the proposed management area. It shows the Stampede Trail running through the park, with the proposed management area highlighted in orange. Key features include the Healy area, Denali National Park Road, and various management areas labeled 20C, 20A, and 13E. A scale bar at the bottom indicates distances up to 12 miles.

108

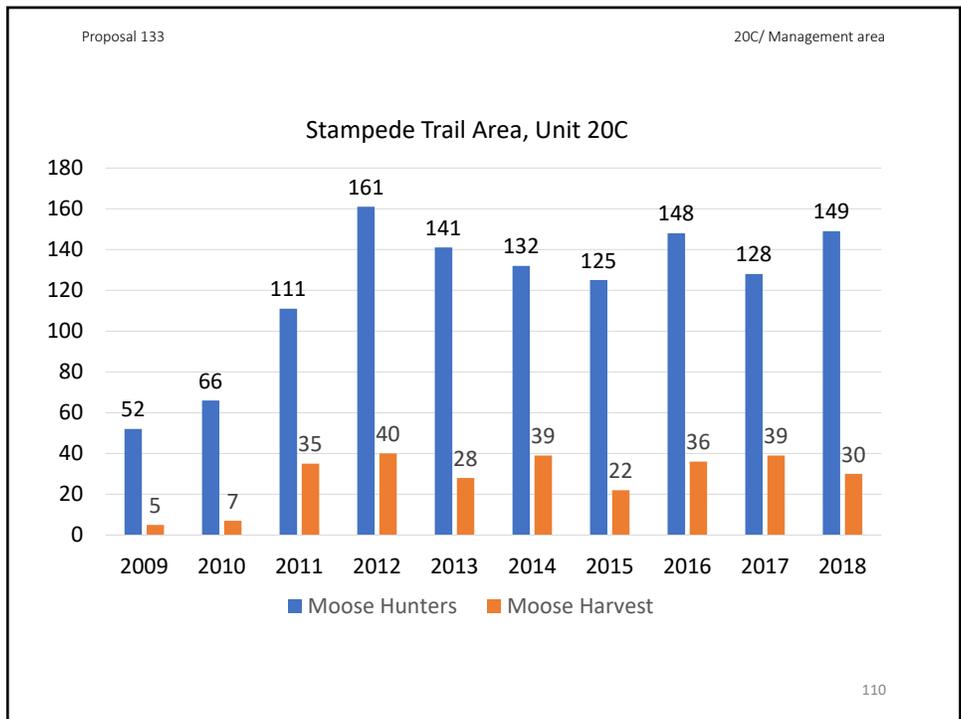
108

Proposal 133 20C Moose

- Unit 20C moose season = Sept. 1-25.
- Residents can harvest any bull and nonresidents must harvest a 50 inch or 4 brow tine bull.
  
- 2011 population estimate = 3800 moose
- 2011 bull:cow ratio = 49:100
  
- The IM population objective = 3,000-4,000 moose
- The IM harvest objective = 150-400 moose
  
- 2014-2018 average harvest = 163 moose
- The harvestable surplus = 190 moose

109

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### Conclusion

- The number of hunters and moose harvested increased beginning 2011.
- Harvest appears stable at higher level than pre-2011
- One of the 1<sup>st</sup> access points that has any bull bag limit as you drive north on the Parks highway.
- Surrounded by Denali National Park
- Allocation issue

## Proposal 133

**What would the proposal do?** Establish the Stampede Trail Management Area in Unit 20C for archery and muzzleloader hunting only.

**Proposed by:** Middle Nenana River Fish and Game Advisory Committee

Department Recommendation: **NEUTRAL**

## Proposal 134

**What would the proposal do?** Open a resident youth hunt for moose in Unit 20C

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

113

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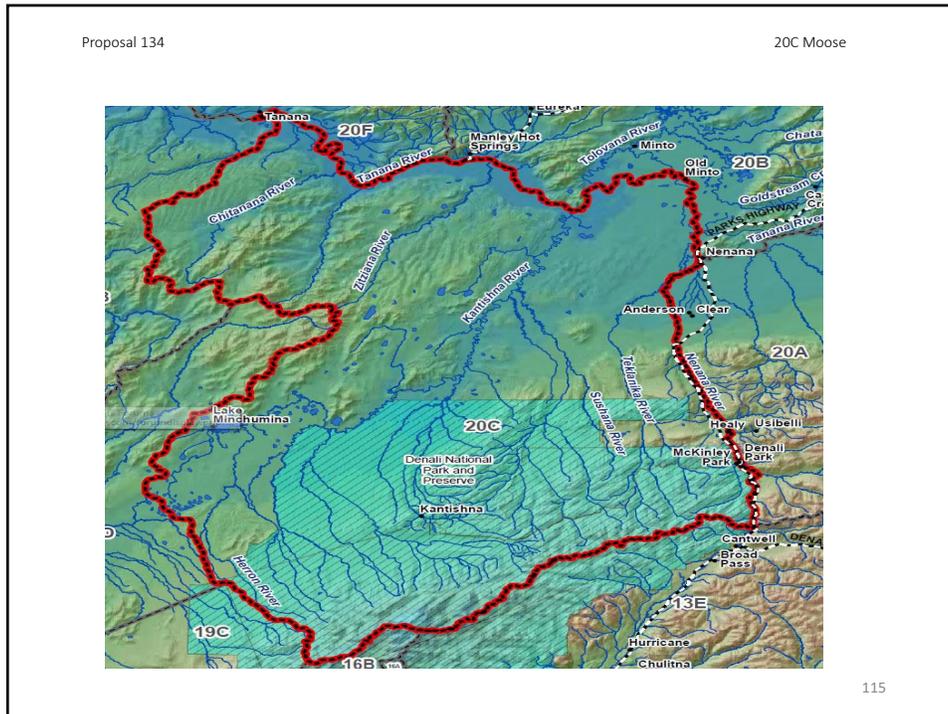
Proposal 134

20C Moose

- This proposal is an allocation issue.
- The proposal would create a resident only Aug. 25-Aug. 31 youth moose season.
- Youth hunts are for hunters ages 10-17 with an accompanying adult that is a licensed resident 21 years of age or older.
- The youth must complete a Basic Hunter Education course.
- The bag limit of one bull counts against the youth and the accompanying adult.

114

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- Proposal 134 20C Moose
- Unit 20C moose season = Sept. 1-25.
    - Residents can harvest any bull
    - Nonresidents must harvest a 50 inch or 4 brow tine bull.
  
  - 2011 population estimate = 3,800 moose
  - 2011 bull:cow ratio = 49:100
  
  - The IM population objective = 3,000-4,000 moose
  - The IM harvest objective = 150-400 moose
  
  - 2014-2018 average harvest = 163 moose
  - The harvestable surplus = 190 moose
- 116

116

## Proposal 134

**What would the proposal do?** Open a resident youth hunt for moose in Unit 20C

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

117

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## Proposal 135

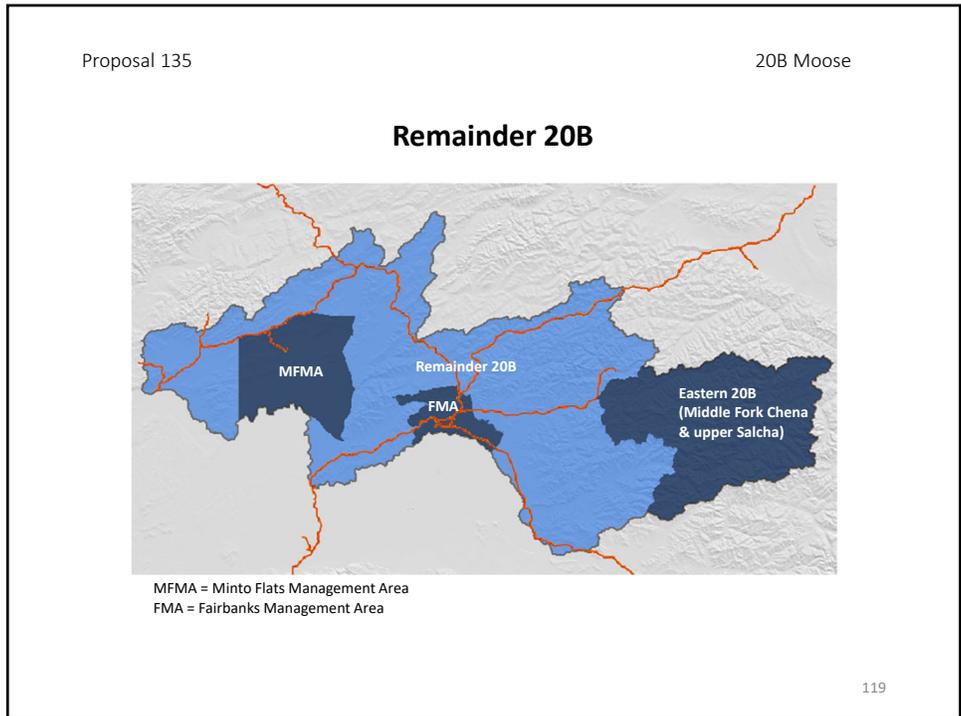
**What would the proposal do?** Shorten the moose season by 5 days in a portion of Unit 20B

**Proposed by:** Alaska Department of Fish and Game

Department Recommendation: **SUPPORT**

118

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119

Proposal 135 20B Moose

**Current Season**

Residents	Sept. 1 - Sept. 20	Any Bull
Nonresident	Sept. 5 - Sept. 20	Any Bull

**Proposed Season**

Residents	Sept. 1 - Sept. 15	Any Bull
Nonresident	Sept. 5 - Sept. 15	Any Bull

120

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### Issue

- The moose population is within the IM objective
- The bull:cow ratio is below the objective.
- Reducing harvest would likely fix the issue.
- The department has issued an EO to shorten the season by 5 days in both 2018 and 2019.

### Our Concern

2017 Bull:cow ratio below the management objectives

- 20B Objective =  $\geq 30$  bulls/100 cows in 20B
  - **2017 Estimate= 18 bulls/100 cows**
- The Department has issued EO's during the 2018 and 2019 moose seasons to shorten the season as proposed.

## Background

- The “remainder” of Unit 20B
  - Road accessible
  - No antler restrictions for bull moose
  - Close proximity to Fairbanks
  - Lots of hunters (2000+ annually)
- 2000 to 2010
  - Moose population increased from ~12,000 to ~20,000
  - Bull season was 1-15 September for residents and 5-15 September for nonresidents (any bull bag limit)
- 2011 to 2017
  - Cow hunts were utilized (2009 to 2016)
  - The any bull general season was extended to 1-20 September
  - Moose population decreased to ~13,000 moose

123

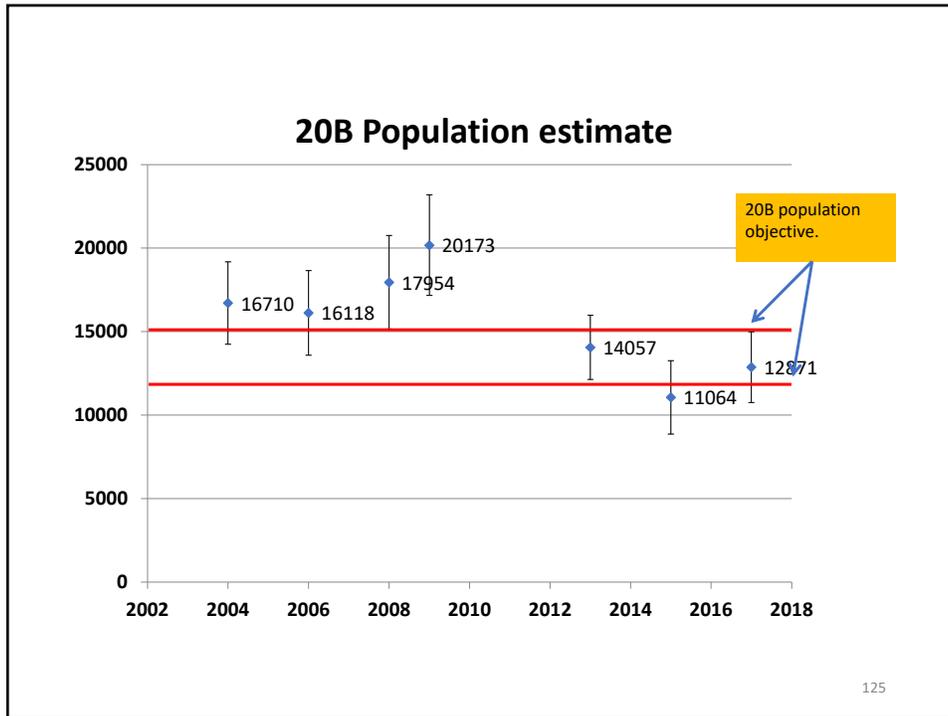
123

## 2017 Population Estimate

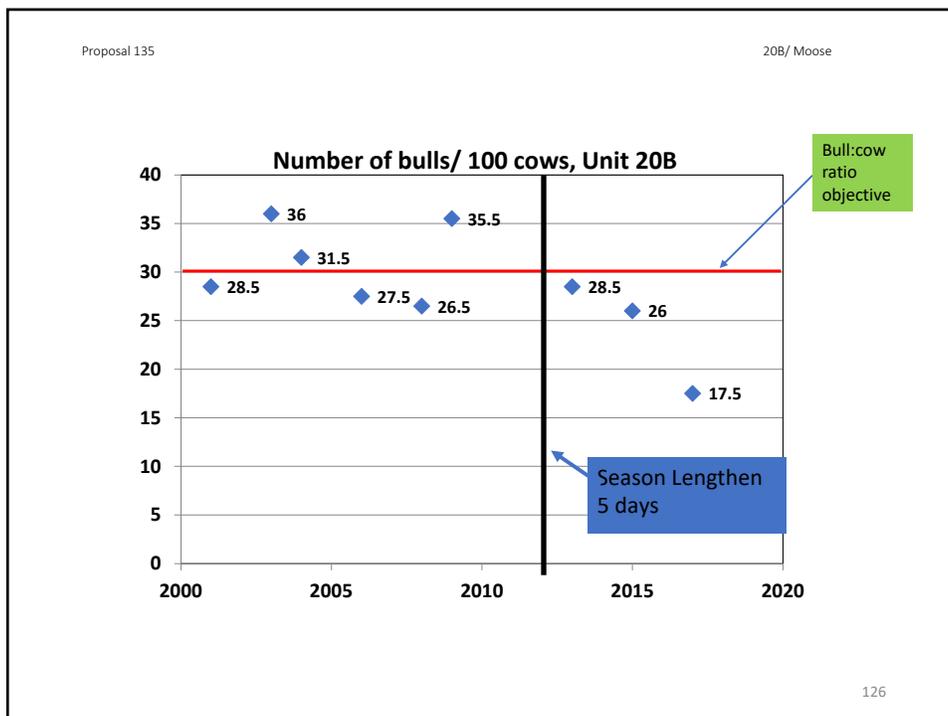
- Unit 20B = 12,871 moose (10,750-14,991)
- Bull:cow ratio = 18:100
- Calf:cow ratio = 38:100
- **Western 20B = 4,137 moose**
- **Central 20B = 6,334 moose**
- Eastern 20B = 2,398 moose

124

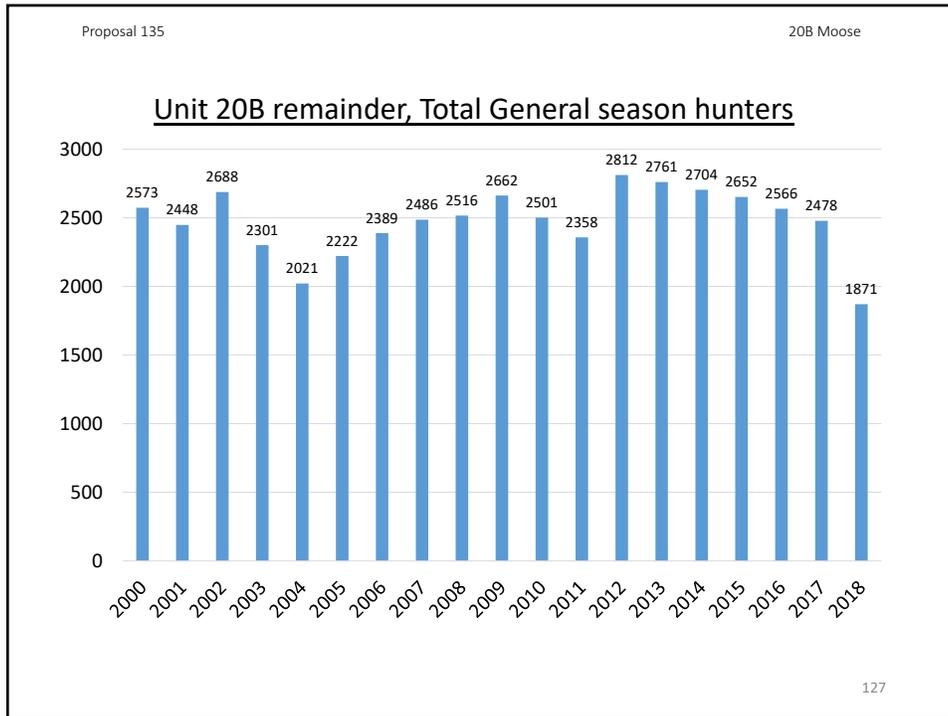
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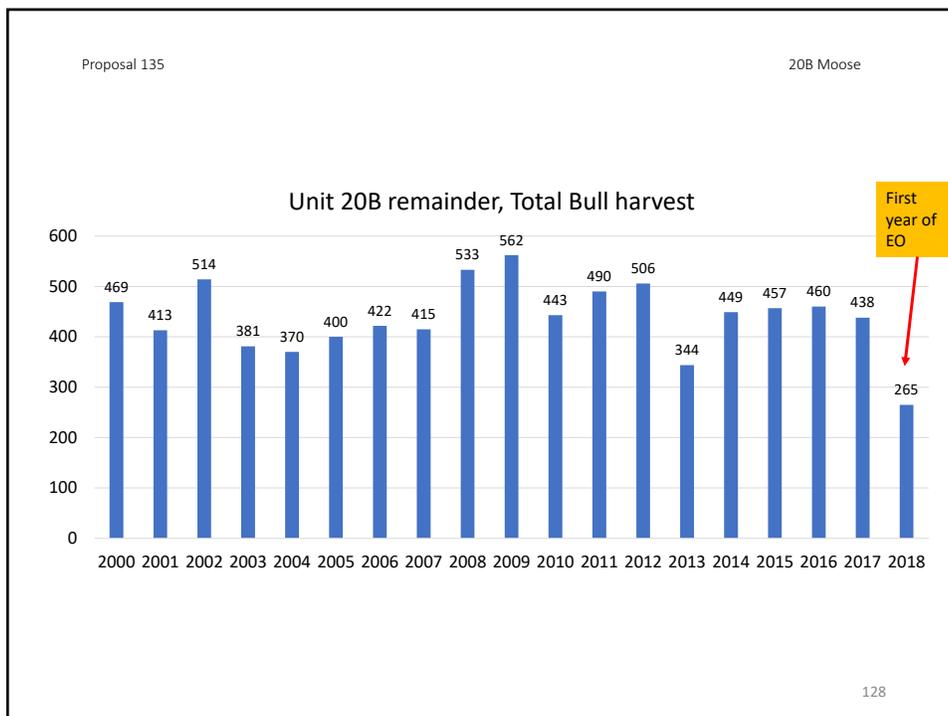
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Proposal 135 20B/Moose

**What this means**

- 5 year average harvest = 450 bulls per year (438 in 2017)
- Reduce the season by 25%
- Reduce harvest by 25% (approx. 100 bulls)
- Reduce season by 5 days and the bull:cow ratio should recover in 4-5 years.

129

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Proposal 135 20B/Moose

**Western 20B outside the FNSA**

- ANS =75-100 outside MFMA
- ANS is being met (85)
- Harvestable surplus = 125 moose
- Does 15 days provide reasonable opportunity?

Disclaimer: This map is not intended for navigational purposes.

Alaska Dept. of Fish and Game  
Division of Subsistence

§ AAC 99.018 Joint Board nonsubsistence areas. (a) The following areas are found by the Joint Board of Fisheries and Game to be nonsubsistence use areas:

(4) The Fairbanks Nonsubsistence Area is comprised of the following: within Unit 20(A), as defined by § AAC 92.450(2) (A), east of the Wood River drainage and south of the Tanana River including the upper Wood River drainage south of its confluence with Chikiluk Creek within Unit 20(B), as defined by § AAC 92.450(2) (B); the North Star Borough and that portion of the Washington Creek drainage east of the Chitina Highway; within Unit 20(C), as defined by § AAC 92.450(2) (C), west of the Tanana River between its confluence with the Johnson and Delta Rivers, west of the east bank of the Johnson River, and north and west of the Volkmann drainage, including the Goodcenter River drainage; and within Unit 20(D), as defined by § AAC 92.450(2) (D), the Phoenix and Beaver Creek drainages.

NonSubsistence Area  
Game Management Subunits  
Communities  
Roads  
USGS Quads 1:250,000

Miles  
0 10 20 30 40 50

130

130

## Proposal 135

**What would the proposal do?** Shorten the moose season by 5 days in a portion of Unit 20B

**Proposed by:** Alaska Department of Fish and Game

Department Recommendation: **SUPPORT**

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## Proposal 136

**What would the proposal do?** Extend the nonresident hunting season for moose in Unit 20B Remainder.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

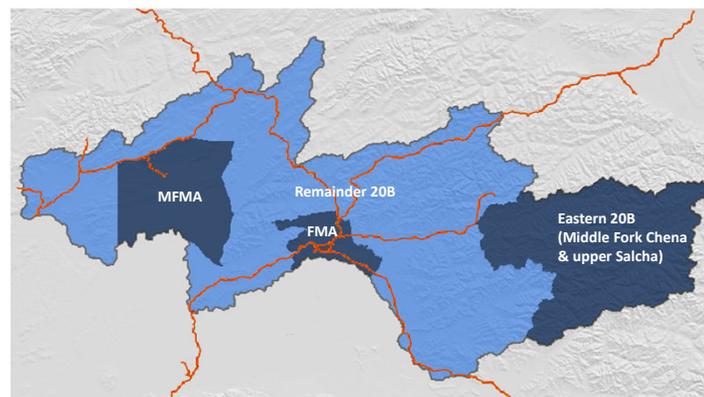
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### Effect of the proposal

- This proposal would align the nonresident moose season with the resident moose season (If Prop 135 is adopted) in the remainder of Unit 20B.
- Current hunting season in Remainder of 20B
  - Residents = Sept 1-20, any bull
  - Nonresident = Sept 5-20, any bull
- EO'd season during 2018 and 2019
  - Resident = Sept. 1-15, any bull
  - Nonresident = Sept. 5-15, any bull

### Remainder 20B



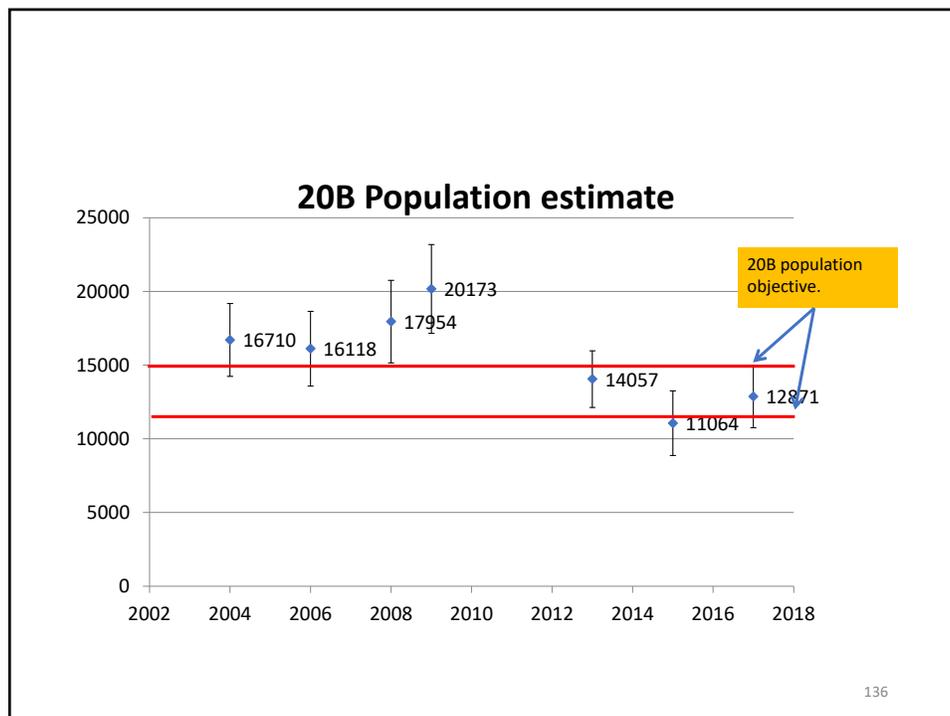
MFMA = Minto Flats Management Area  
FMA = Fairbanks Management Area

## 2017 Population Estimate

- Unit 20B = 12,871 moose (10,750-14,991)
- Bull:cow ratio = 18:100
- Calf:cow ratio = 38:100
  
- **Western 20B = 4,137 moose**
- **Central 20B = 6,334 moose**
- Eastern 20B = 2,398 moose

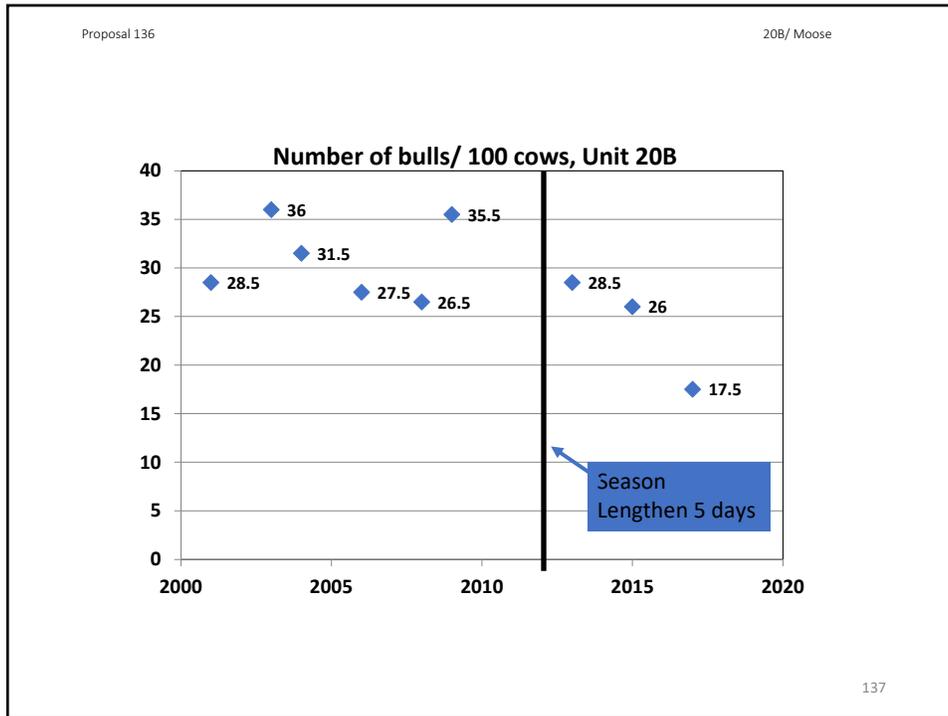
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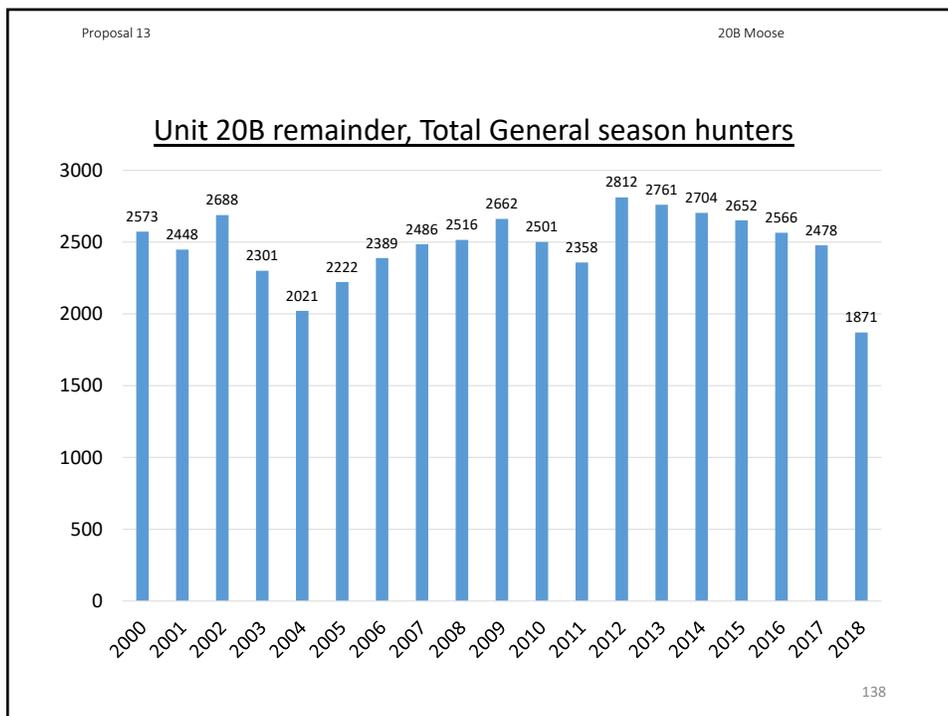


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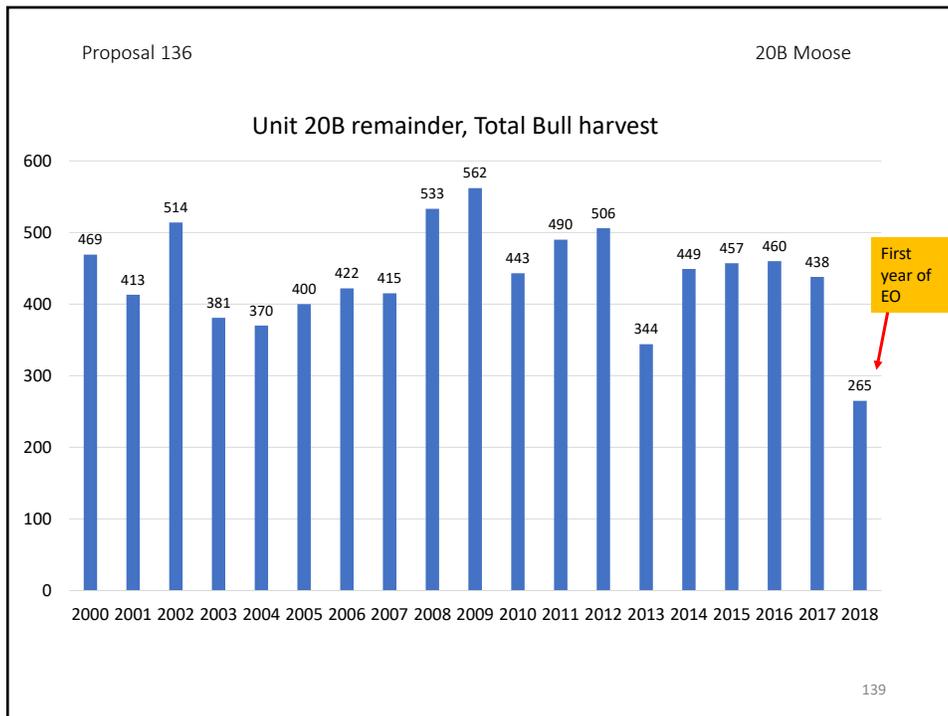
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Proposal 136 20B Moose

### Nonresident Harvest and Effort

- 2014-2018 = 192 nonresident hunters per year
  - 137 hunters in 2018 after EO
  
- 2014-2018 = 62 moose harvested by nonresident hunters (14% of total harvest)
  - 34 harvested in 2018 after EO

140

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### Conclusion

- The Unit 20B bull:cow ratio is below objectives.
- The department has a proposal to shorten the general season in the remainder of Unit 20B to reduce harvest.
- The department has issued EO's in 2018 and 2019 to shorten the general season in the remainder of Unit 20B
- This proposal would increase harvest by nonresidents at a time when the bull harvest needs to be reduced.

## Proposal 136

**What would the proposal do?** Extend the nonresident hunting season for moose in Unit 20B Remainder.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

# Proposal 137

**What would the proposal do?** Eliminate the muzzleloader registration moose permit hunt RM782, in Unit 20B.

**Proposed by:** Fairbanks Fish and Game Advisory Committee

Department Recommendation: **NEUTRAL**

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Proposal 137

20B/Moose

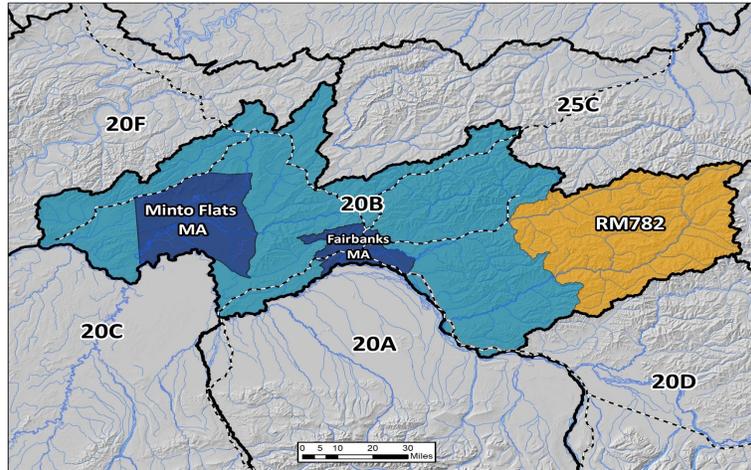
## Background

- This hunt began in 2011 as a drawing permit
- It was created by the BOG in response to a change to a popular muzzleloader hunt in Unit 20A
- After 4 years and low harvest the hunt was changed to a registration permit.
- The season length was increased and the area was expanded.
- Harvest continues to be nonexistent.

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# RM782 Hunt Area



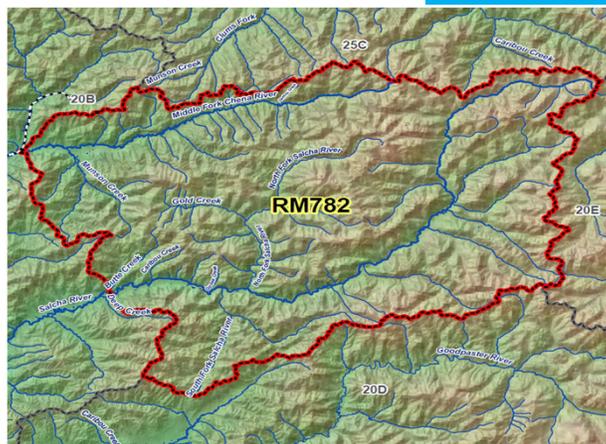
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Proposal 137

20B/Moose

RM782 Season Dates  
Nov.10-Dec. 10



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Proposal 137 20B/Moose

DM782				
Year	Permits issued	Hunted	Moose harvest	
2011		60	28	1
2012		32	7	0
2013		26	9	0
2014		42	10	1
RM782				
Year				
2015		30	15	0
2016		35	16	0
2017		25	11	0
2018		15	9	0

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- Proposal 137 20B/Moose
- ### Hunt Area Issues
- Difficult to access hunt area.
  - Difficult area to hunt.
  - Often inadequate snow or ice.
  - Not many trails into area.
- 148

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## Proposal 137

**What would the proposal do?** Eliminate the muzzleloader registration moose permit hunt RM782, in Unit 20B.

**Proposed by:** Fairbanks Fish and Game Advisory Committee

Department Recommendation: **NEUTRAL**

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## Proposal 138

**What would the proposal do?** Create a fall archery and muzzleloader hunt for moose in Unit 20B Remainder

**Proposed by:** Public

Department Recommendation: **Opposed**

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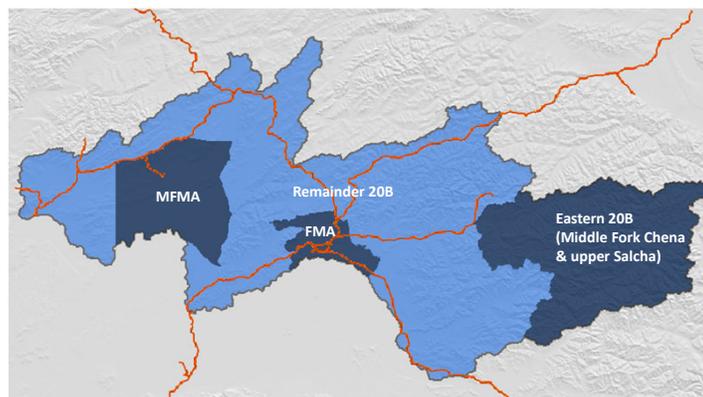
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### Effect of Proposal

- This proposal gives two options for an extended weapons restricted hunt in the Remainder of Unit 20B.
- Option 1: would be a general season harvest ticket hunt during Sept. 16 – 20 for archery and muzzleloader hunters.
- Option 2: would be a registration hunt during Sept. 16-20 for archery and muzzleloader hunters.
- This hunt would provide more hunting opportunity in this area.

### Remainder 20B

General moose season = Sept. 1-15 for residents and Sept. 5-15 for nonresidents



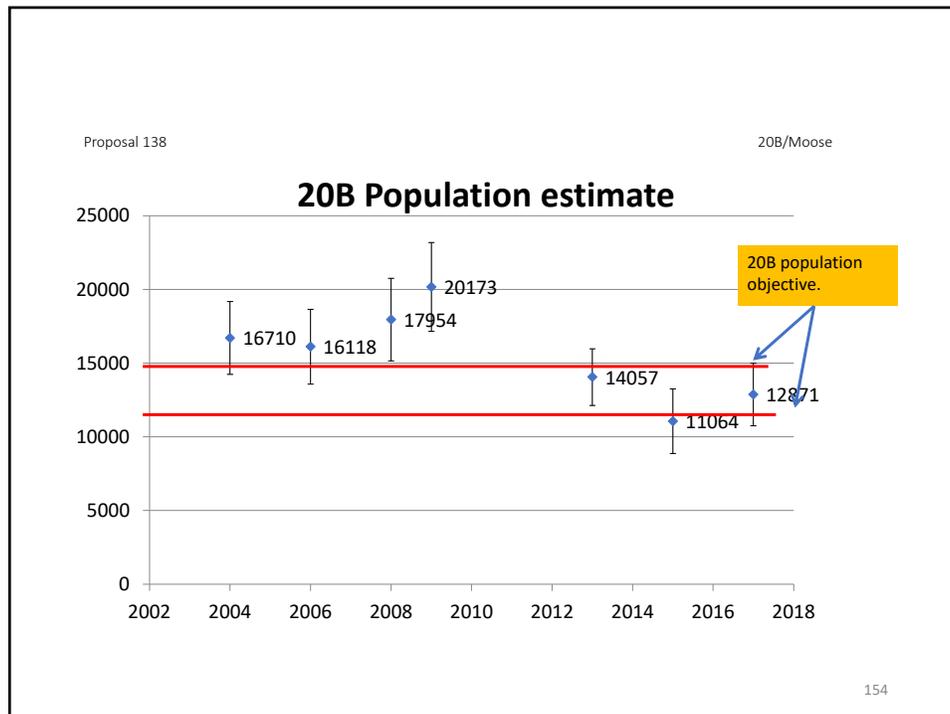
MFMA = Minto Flats Management Area  
FMA = Fairbanks Management Area

## 2017 Population Estimate

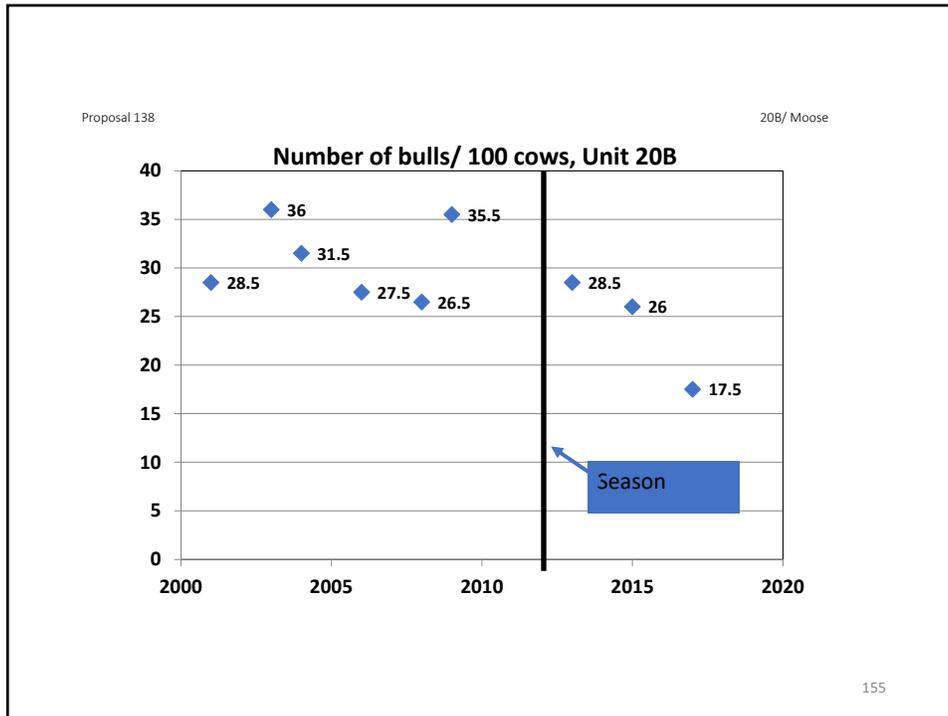
- Unit 20B = 12,871 moose (10,750-14,991)
- Bull:cow ratio = 18:100
- Calf:cow ratio = 38:100
  
- **Western 20B = 4,137 moose**
- **Central 20B = 6,334 moose**
- Eastern 20B = 2,398 moose

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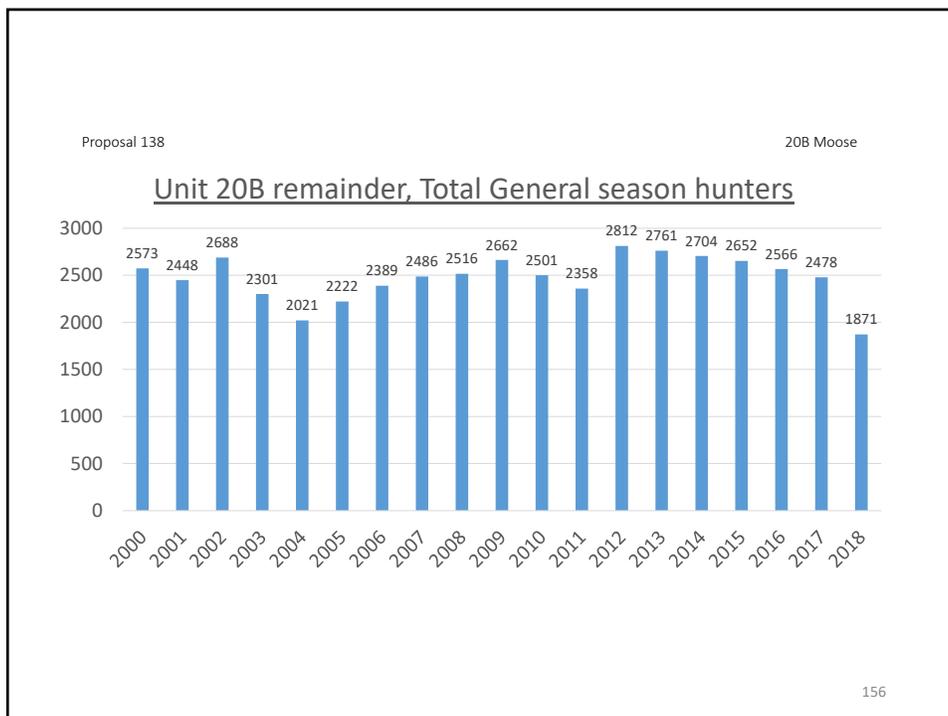
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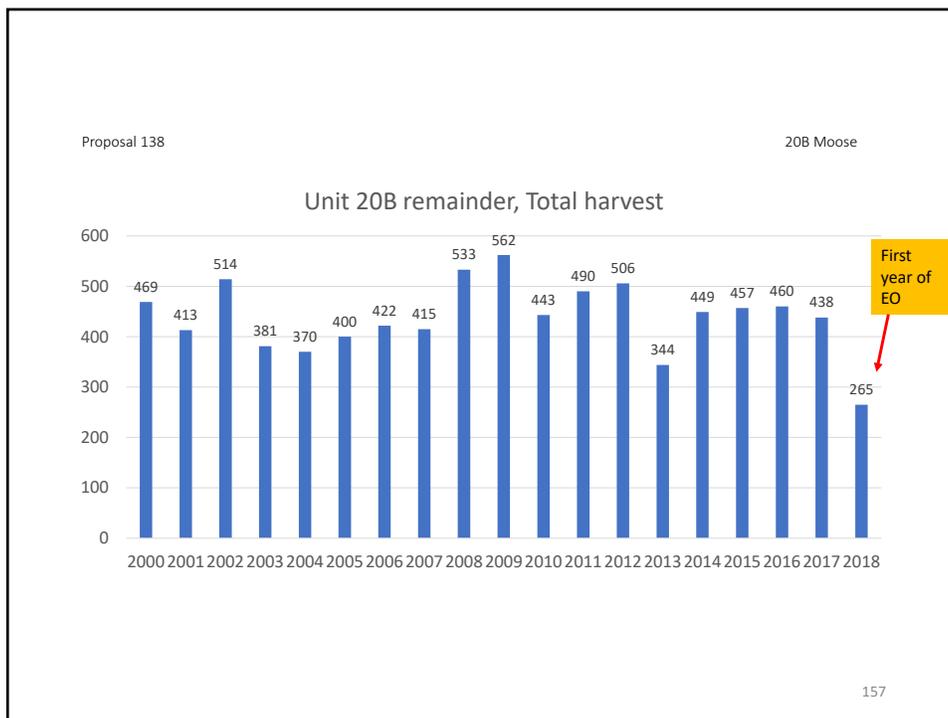
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Proposal 138

20B Moose

### Conclusion

- The Unit 20B bull:cow ratio are below objectives.
- The department has a proposal to shorten the general season in the remainder of Unit 20B to reduce harvest.
- The department has issued EOs in 2018 and 2019 to shorten the general season in the remainder of Unit 20B
- This proposal would increase harvest at a time when the bull harvest needs to be reduced.

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## Proposal 138

**What would the proposal do?** Create a fall archery and muzzleloader hunt for moose in Unit 20B Remainder

**Proposed by:** Public

Department Recommendation: **Opposed**

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## Proposal 139

**What would the proposal do?** Allow muzzleloader hunting in addition to the archery hunt in the drainage of the Middle Fork of the Chena River in Unit 20B.

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

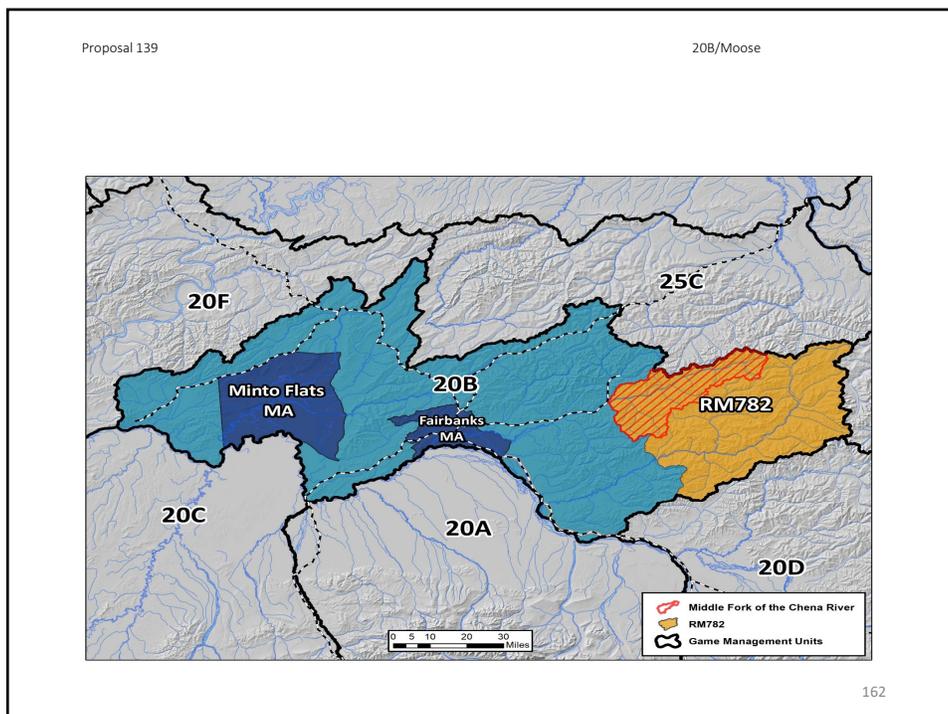
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Proposal 139	20B/Moose
Effect of proposal	Current Moose season
<ul style="list-style-type: none"> <li>• Allow the use of muzzleloaders during the Sept. 26 –Sept. 30 archery season in the Middle fork of the Chena River drainage of Unit 20B.</li> <li>• This would be a harvest ticket hunt.</li> <li>• Allocation issue</li> </ul>	<p>Residents &amp; Nonresidents</p> <ul style="list-style-type: none"> <li>• Sept. 1-Sept 25 Any bull</li> <li>• <b>Sept. 26-Sept. 30 Any bull, archery only</b></li> <li>• RM782, Nov.10-Dec. 10 Any bull, muzzleloader only</li> </ul>

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Proposal 139 20B/Moose

- During the current archery season (Sept. 26-30) participation and harvest is low.
- During 2014-2018 only 2 moose were reported being harvested during this archery season.
- We are unsure how participation would change if adopted.
- We would have to monitor harvest over several years to determine if this hunt would be sustainable.
- Because the area is remote, it is likely that harvest would be low.

163

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## Proposal 139

**What would the proposal do?** Allow muzzleloader hunting in addition to the archery hunt in the drainage of the Middle Fork of the Chena River in Unit 20B.

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

164

164

# Proposal 140

**What would the proposal do?** Reauthorize the antlerless moose seasons in Unit 20B,

**Proposed by:** Alaska Department of Fish and Game

Department Recommendation: **SUPPORT**

AC votes: Fairbanks AC Support 15-0

Middle Nenana AC Support 11-0

Minto AC

Delta AC Support

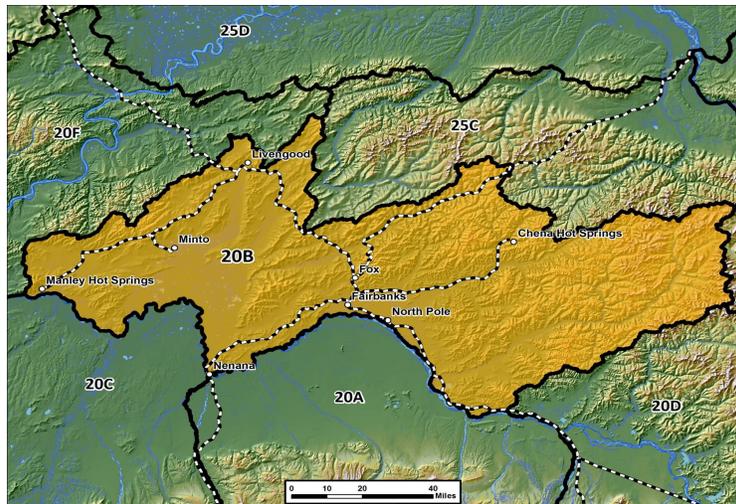
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Proposal 140

20B/Moose

## Unit 20B (9,196mi<sup>2</sup>)



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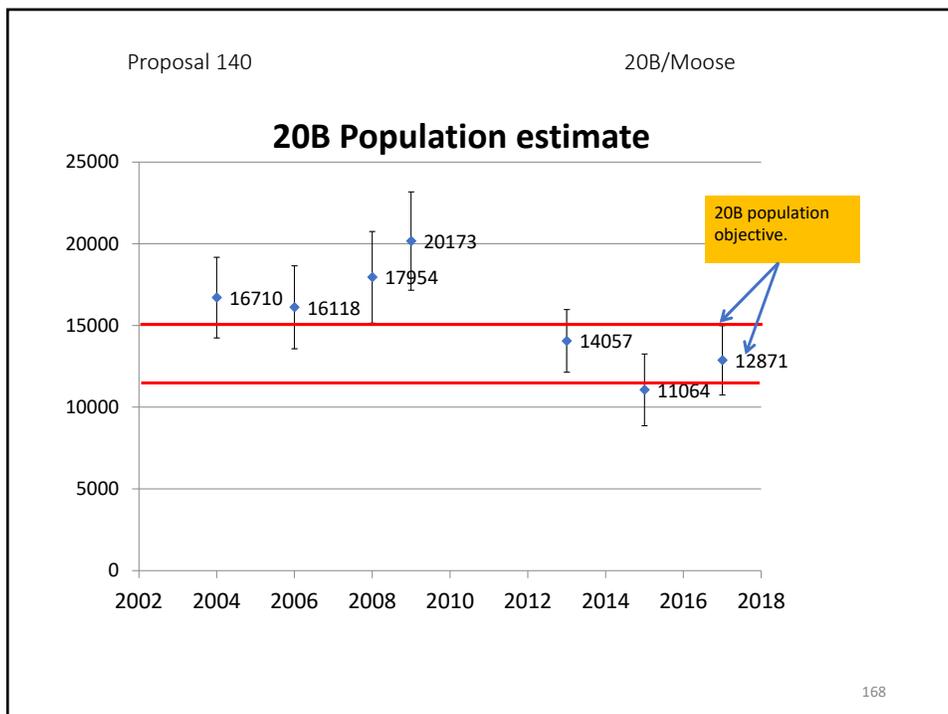
Proposal 140 20B/Moose

### 2017 Population Estimate

- Unit 20B = 12,871 moose (10,750-14,991)
- Bull:cow ratio = 18:100
- Calf:cow ratio = 38:100
  
- Western 20B = 4,137 moose
- Central 20B = 6,334 moose
- Eastern 20B = 2,398 moose

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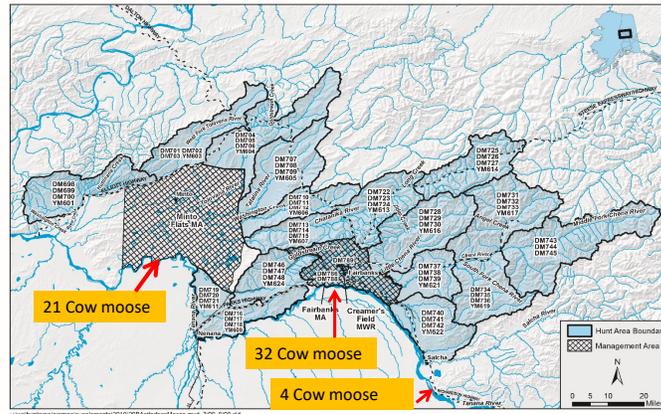


168

Proposal 140

20B/Moose

## 2019 Antlerless moose harvest



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Proposal 140

20B/Moose

## 2020 Antlerless plan

- Harvest antlerless moose conservatively
- Only Minto Flats, FMA and Richardson highway hunts
- Only harvest about 1% of the central/west Unit 20B population
- Approx. 10,000 moose = 100 antlerless moose (Including estimated potlatch and cultural education harvest).

170

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## Proposal 140

**What would the proposal do?** Reauthorize the antlerless moose seasons in Unit 20B,

**Proposed by:** Alaska Department of Fish and Game

Department Recommendation: **SUPPORT**

AC votes: Fairbanks AC Support 15-0

Middle Nenana AC Support 11-0

Minto AC

Delta AC Support

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## Proposal 141

**What would the proposal do?** Eliminate registration moose permit hunt RM785, in the Minto Flats Management Area in Unit 20B.

**Proposed by:** Tanana, Rampart, Manley Fish and Game Advisory Committee

Department Recommendation: **OPPOSED**

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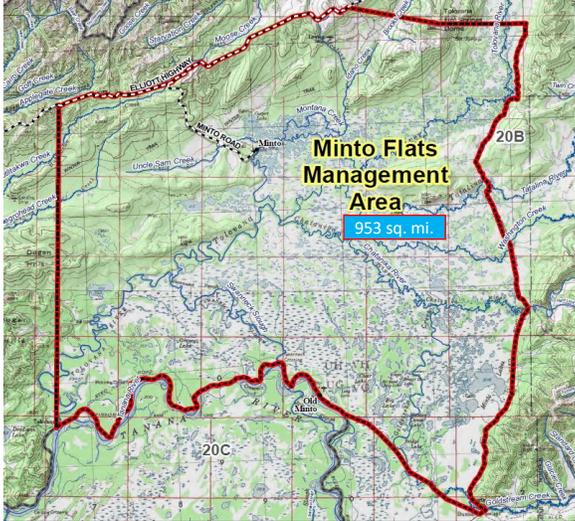
Proposal 141 20B/Moose

- This proposal would eliminate the Minto Flats Management Area antlerless moose hunt (RM785).
  
- RM785
  - Season = Oct 15- February 29 or until closed by EO
  - One antlerless moose
  - 2019 hunt quota = 20 cow moose
  - 2019 = hunt EO'd Dec. 13

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Proposal 141 20B/Moose



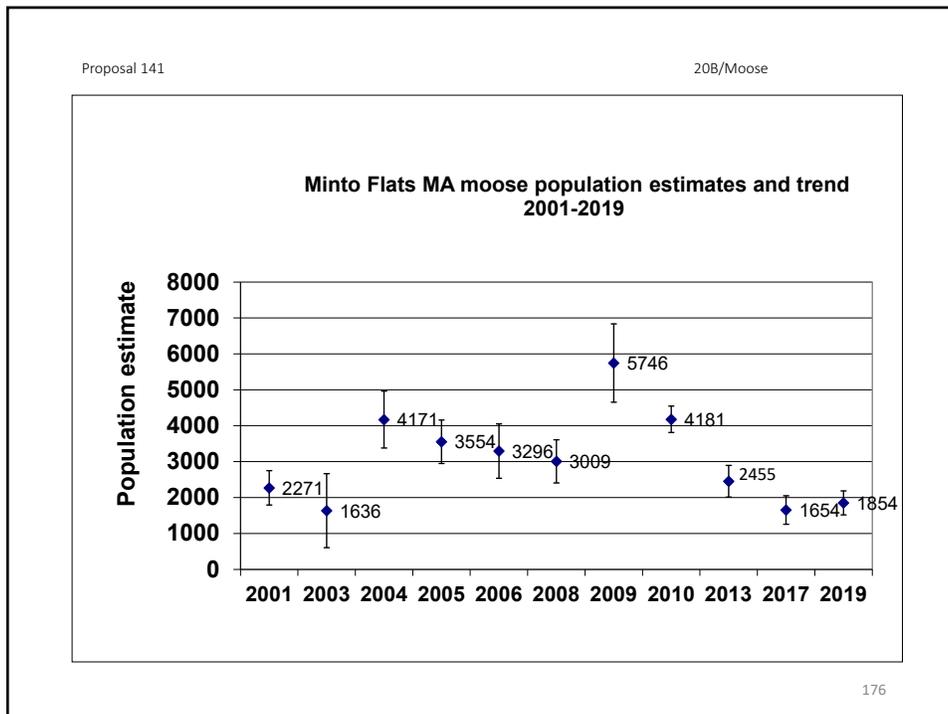
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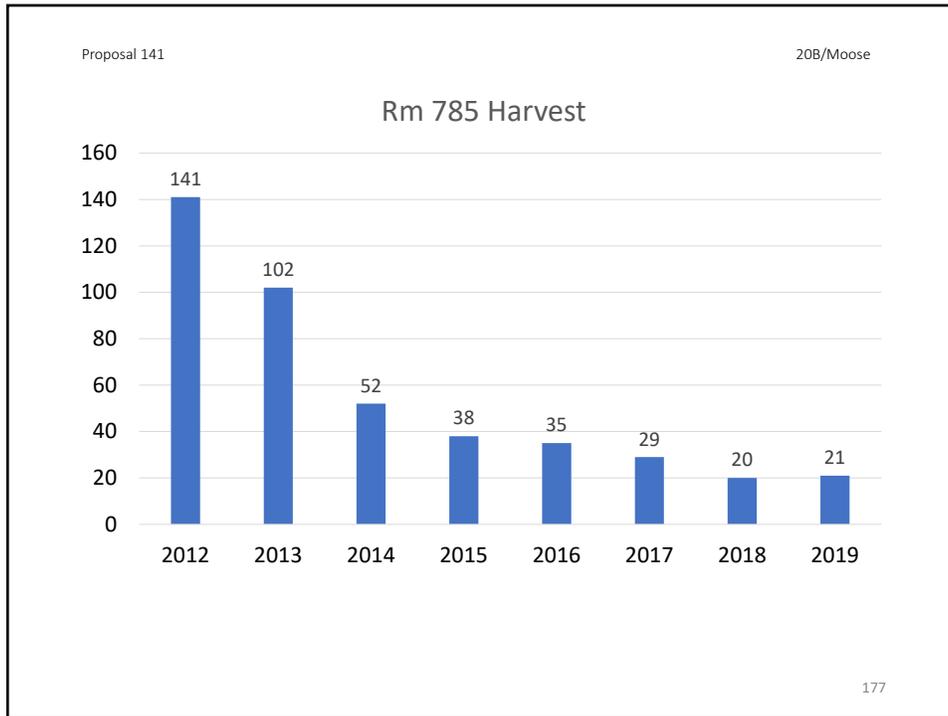
Proposal 141		20B/Moose
Years	Population	Hunting Seasons
2000	2,000 Moose, growing pop.	Tier II and general season
2004	3,000 Moose, growing pop.	Limited registration and general season
2010	4,000 Moose, peaked	Limited registration and general season
2012	Moose population intentionally reduced to a more appropriate level	Unlimited registration and general season
2016	2500 moose	Unlimited registration and general season
2019	1800-2000 moose	Unlimited registration and general season

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- Proposal 141 20B/Moose
- Cow harvest was high in 2012-2013 to reduce population from 4,000 moose down to 2,000-2,500 moose.
  
  - Cow harvest at this time is limited to 1% of population.
    - Keeps population at current size
  
  - Twinning rates are still low so population is stabilized.
    - Current 3-year average twinning rate is 16%
    - Keep population stable until we see twinning rates averaging above 20%
  
  - Provides winter opportunity.
- 178

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## Proposal 141

**What would the proposal do?** Eliminate registration moose permit hunt RM785, in the Minto Flats Management Area in Unit 20B.

Proposed by: Tanana, Rampart, Manley Fish and Game Advisory Committee

Department Recommendation: OPPOSED

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## Proposal 142

**What would the proposal do?** Eliminate registration moose permit hunt RM785, in the Minto Flats Management Area in Unit 20B.

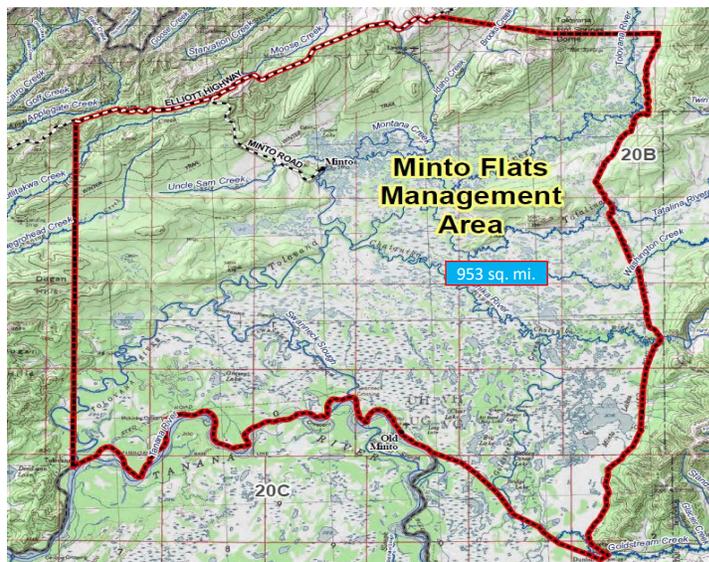
**Proposed by:** Public

Department Recommendation: OPPOSED

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- This proposal would eliminate the Minto Flats Management Area antlerless moose hunt (RM785).
- RM785
  - Season = Oct 15- February 29 or until closed by EO
  - One antlerless moose
  - 2019 hunt quota = 20 cow moose

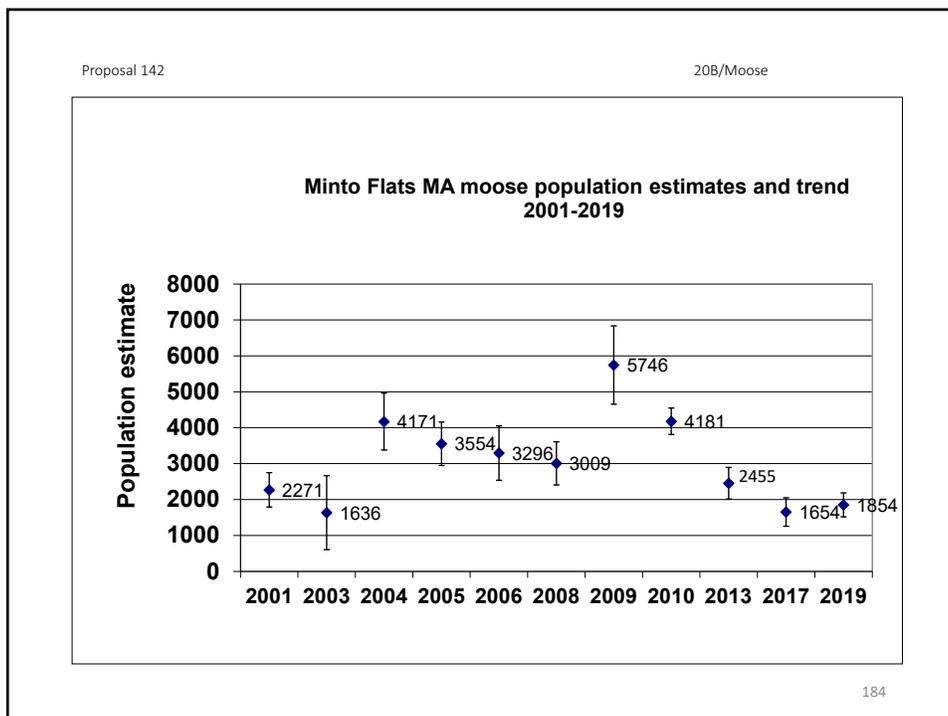


Proposal 142 20B/Moose

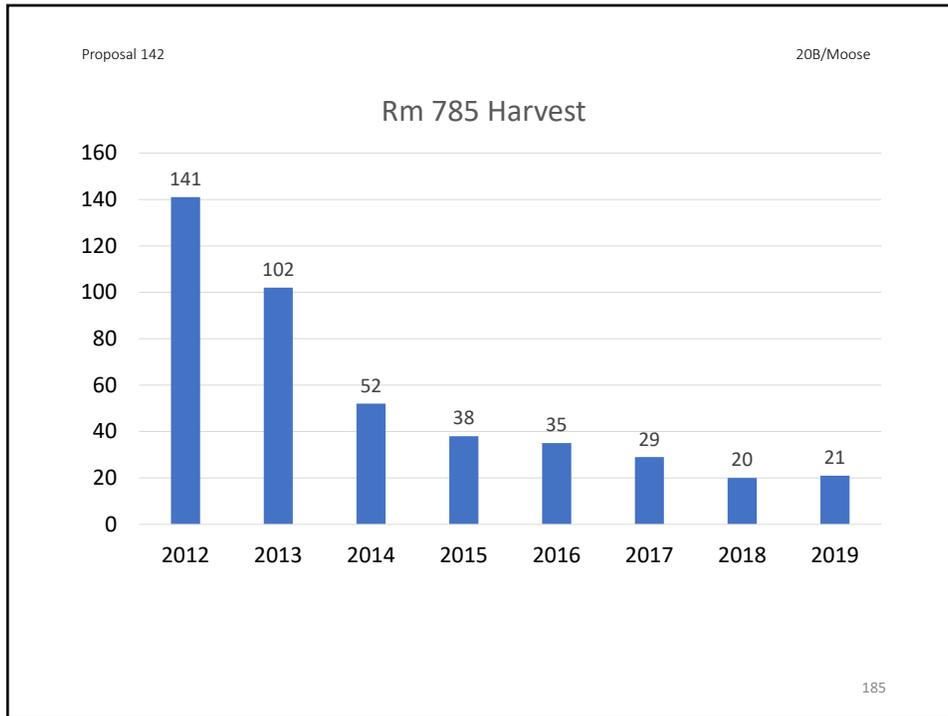
Years	Population	Hunting Seasons
2000	2,000 Moose, growing pop.	Tier II and general season
2004	3,000 Moose, growing pop.	Limited registration and general season
2010	4,000 Moose, peaked	Limited registration and general season
2012	Moose population intentionally reduced to a more appropriate level	Unlimited registration and general season
2016	2500 moose	Unlimited registration and general season
2019	1800-2000 moose	Unlimited registration and general season

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- Proposal 142 20B/Moose
- Cow harvest was high in 2012-2013 to reduce population from 4,000 moose down to 2,000-2,500 moose.
  
  - Cow harvest at this time is limited to 1% of population.
    - Keeps population at current size
  
  - Twinning rates are still low so population is stabilized.
    - Current 3-year average twinning rate is 16%
    - Keep population stable until we see twinning rates averaging above 20%
  
  - Provides winter opportunity.
- 186

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## Proposal 142

**What would the proposal do?** Eliminate registration moose permit hunt RM785, in the Minto Flats Management Area in Unit 20B.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

187

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## Proposal 143

**What would the proposal do?** Eliminate all 20B antlerless moose hunts except for the Minto Flats Management Area.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

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Proposal 143 20B/Moose

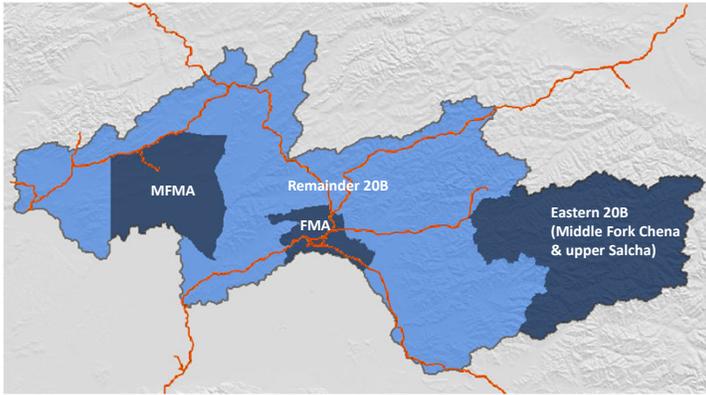
- This proposal seeks to eliminate 76 drawing, youth and targeted hunt permits in Unit 20B.
- The proponent wants to allocate all cow moose harvest (Except in MFMA) to ceremonial harvest permits.
- The proponent wants ceremonial harvest prioritized above drawing permit harvest.

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Proposal 143 20B Moose

**Unit 20B**

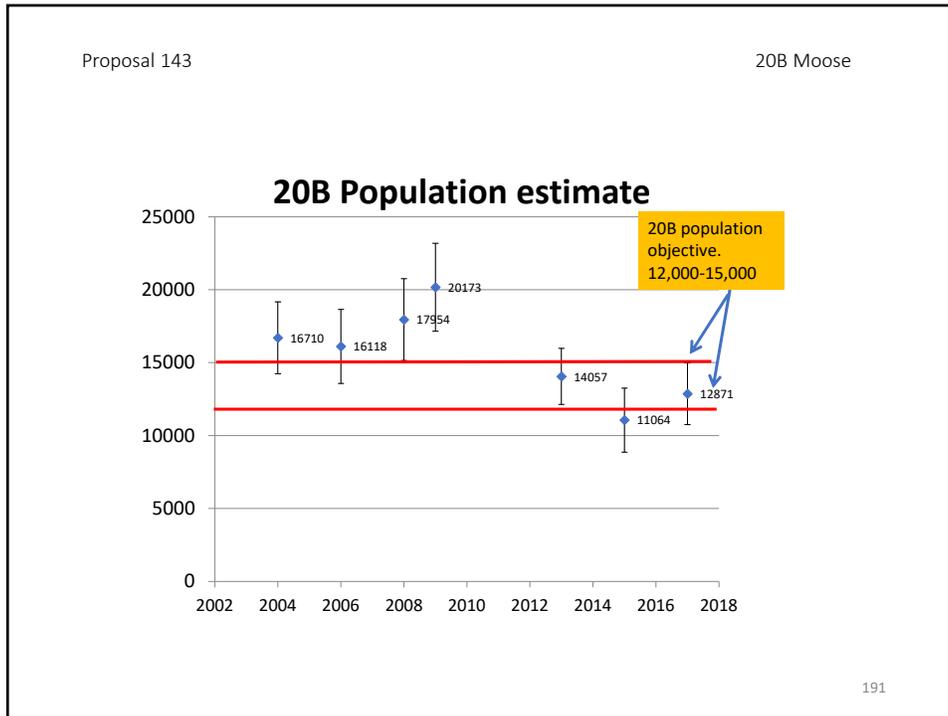


The map displays the geographical layout of Unit 20B, divided into four distinct management areas. The 'Remainder 20B' area is the largest, colored in light blue. To its west is the 'MFMA' (Minto Flats Management Area), colored in dark blue. To its east is the 'Eastern 20B (Middle Fork Chena & upper Salcha)' area, also in dark blue. A smaller 'FMA' (Fairbanks Management Area) is located within the 'Remainder 20B' area. The map uses a topographic background with orange lines indicating boundaries or roads.

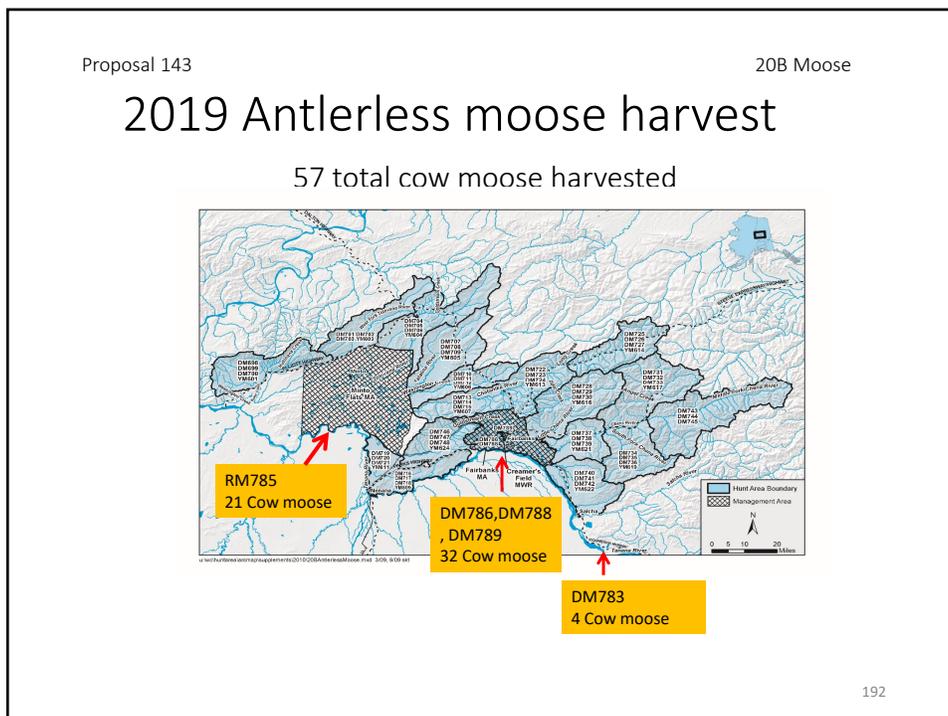
MFMA = Minto Flats Management Area  
FMA = Fairbanks Management Area

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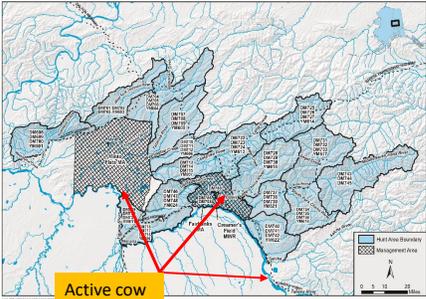
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192

Proposal 143 20B/Moose

- Only antlerless hunts being conducted are out lined on map
- Drawing, youth hunts stopped in 2017
- Total 2019 harvest = 57 cow moose
- Goal is to harvest about 1% of western/central 20B moose population.
  - Harvestable surplus = 100 cows
- Remaining harvest is for unreported harvest, **ceremonial harvest**, and cultural education permits.



The map displays the geographical layout of Unit 20B, divided into various management areas. A yellow box labeled 'Active cow hunts' has red arrows pointing to specific locations within the unit, primarily in the central and western regions. A legend in the bottom right corner identifies 'Hunt Area Boundary' and 'Management Area'. A scale bar and north arrow are also present.

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Proposal 143 20B/Moose

- Ceremonial harvest permits, Cultural education permits are issued regularly in Unit 20B.
- Ceremonial harvest permit is only needed inside Fairbanks Nonsubsistence area.
- No ceremonial harvest permit needed outside FNSA.
- Reporting is poor
- Because of unknown harvest cow moose permits are issued conservatively

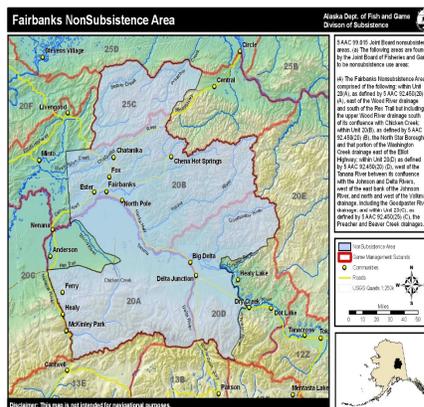
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Proposal 143

20B/Moose

- 2017-2019 113 ceremonial harvest authorizations issued.
- Outside FNSA no ceremonial authorization needed.
- Poor reporting in both areas



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## Proposal 143

**What would the proposal do?** Eliminate all 20B antlerless moose hunts except for the Minto Flats Management Area.

**Proposed by:** Public

**Department Recommendation:** **OPPOSED**

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## Proposal 144

**What would the proposal do?** Shorten the antlerless moose seasons in Units 20A and 20B.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

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Proposal 144

Units 20A, 20B/Moose

### Effect of proposal

- This proposal would close all antlerless moose hunts in Units 20A and 20B on November 30.

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Proposal 144 Units 20A, 20B/Moose

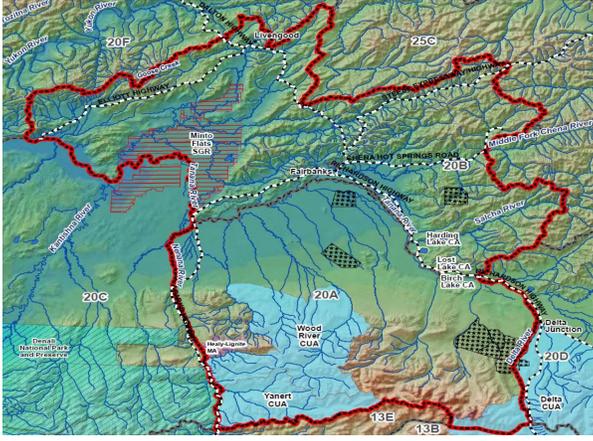
**Unit 20A and 20B Antlerless hunts**

**Unit 20B**  
DM786,788 (Fairbanks Management Area) = Sept. 1- Nov. 27  
DM789 (Creamers field) = Dec. 1 – Jan. 31 (10 permits)  
DM783 (Rich Hwy, any moose) = Sept. 21 – Feb. 29 (50 Permits)  
RM785 (MFMA) = Oct. 15- Feb 28. Usually EO'd by Dec. 10

**Unit 20A**  
DM628-679 (3 different seasons) = Aug. 15 – Nov. 15  
RM768 (Nenana area) = Oct. 1 – Feb. 29 (20 permits)

199

Proposal 144 20A, 20B/moose



200

### 20A and 20B Antlerless Hunts

- Cow hunts in both units are being conducted at low levels (1% of population or less)
- During 2017 and 2018 only 14 antlerless moose annually are harvested after Nov. 30
- Currently the opportunity after Nov. 30 is low and the number of permits available is small.
- No biological concern with this proposal.

## Proposal 144

**What would the proposal do?** Shorten the antlerless moose seasons in Units 20A and 20B.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

**Proposal 145**

**What would the proposal do?** Modify the nonresident bag limit for moose in Unit 25C.

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

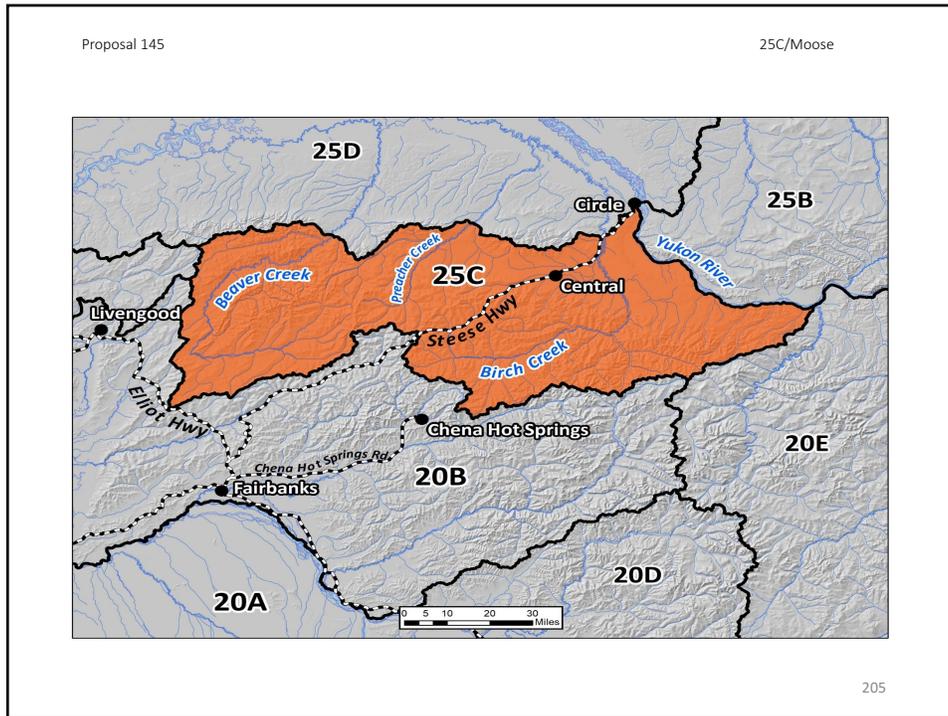
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Proposal 145	25C/Moose
<u>Current moose hunting regulations</u>	<u>Proposed moose hunting regulations</u>
Residents Sept. 1- Sept. 15 Any bull	Residents Sept. 1- Sept. 15 Any bull
Nonresidents Sept. 5-Sept. 15 Any bull	Nonresidents Sept. 5- Sept. 15 <b>One bull with 50-inch antlers or 4 or more brow tines on one side</b>

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- Proposal 145 25C/Moose
- No recent moose survey data exist for Unit 25C
  - Does not have positive finding for Intensive Management
  - Has ANS of 8-15 moose.
  - Average annual harvest for 2014-2018 = 80 bull moose per year
  - Average annual nonresident harvest = 17 bull moose per year
    - 2014-2018 = 55 nonresident hunters annually
    - 2014-2018 = 53% (46/86) bulls were 50-inch or greater
    - 2014-2018 = 40% (34/86) bull had 4 brow tines or more
  - Harvest has been stable – no indication population is declining
- 206

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## Proposal 145

**What would the proposal do?** Modify the nonresident bag limit for moose in Unit 25C.

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

207

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## Proposal 146

**What would the proposal do?** Allocate up to ten percent of the drawing caribou permits, DC827, to nonresidents.

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

208

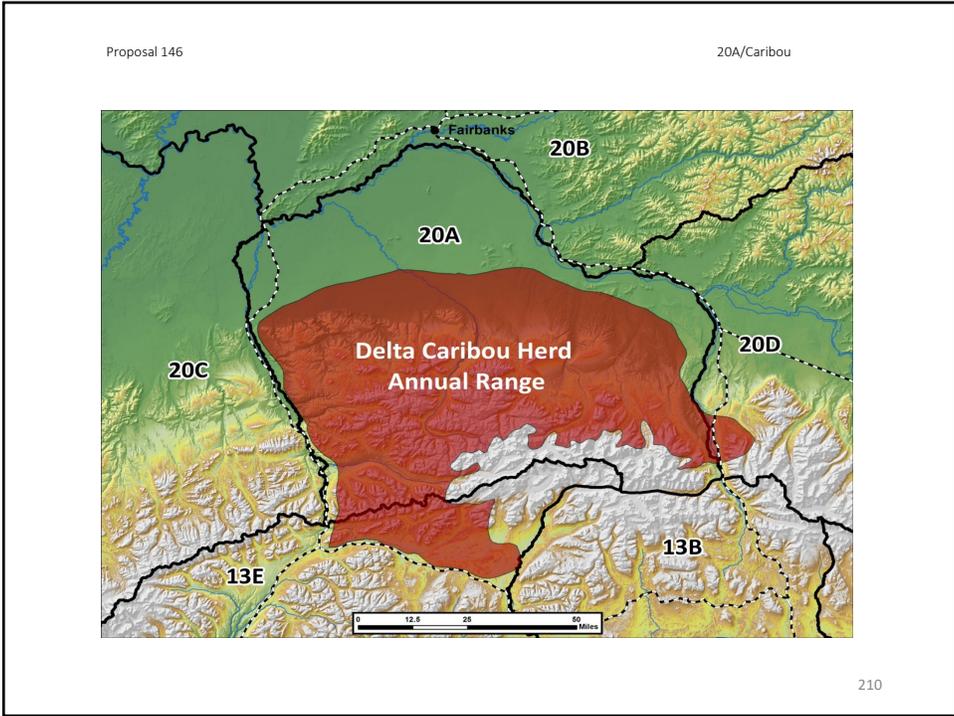
208

Proposal 146 20A/Caribou

- This proposal would allocate up to 10% of the DC827 caribou drawing permits to nonresidents
- Currently 150 permits are issued annually
- Average harvest = 59 caribou annually (2015-2019)
- Aug. 10 – Sept. 20 Season
- Bag Limit is one bull caribou
- Population = 2,000-3,000 caribou
- Not an IM herd

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Proposal 146 20A/Caribou

### DC827 Drawing permits

Year	Total permits	Nonresidents permits	Percent of permits to nonresidents	Nonresident Harvest	Nonresident percent of harvest
2015	150	14	9%	9	20%
2016	150	9	6%	5	9%
2017	150	33	22%	21	31%
2018	150	32	21%	23	40%
2019	150	31	21%	23	33%

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Proposal 146 20A/Caribou

### Conclusion

- During 2015-2019, nonresidents received 16% of drawing permits.
- Increased to 21% during 2017-2019.
- At this time, 10% allocation would cap the permits at 15 for nonresident.
- The department has no biological concerns

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## Proposal 146

**What would the proposal do?** Allocate up to ten percent of the drawing caribou permits, DC827, to nonresidents.

**Proposed by: Public**

Department Recommendation: **NEUTRAL**

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## Proposal 147

**What would the proposal do?** Extend the hunting season for brown bear in Units 20A and 20B Remainder.

**Proposed by: Public**

Department Recommendation: **OPPOSED**

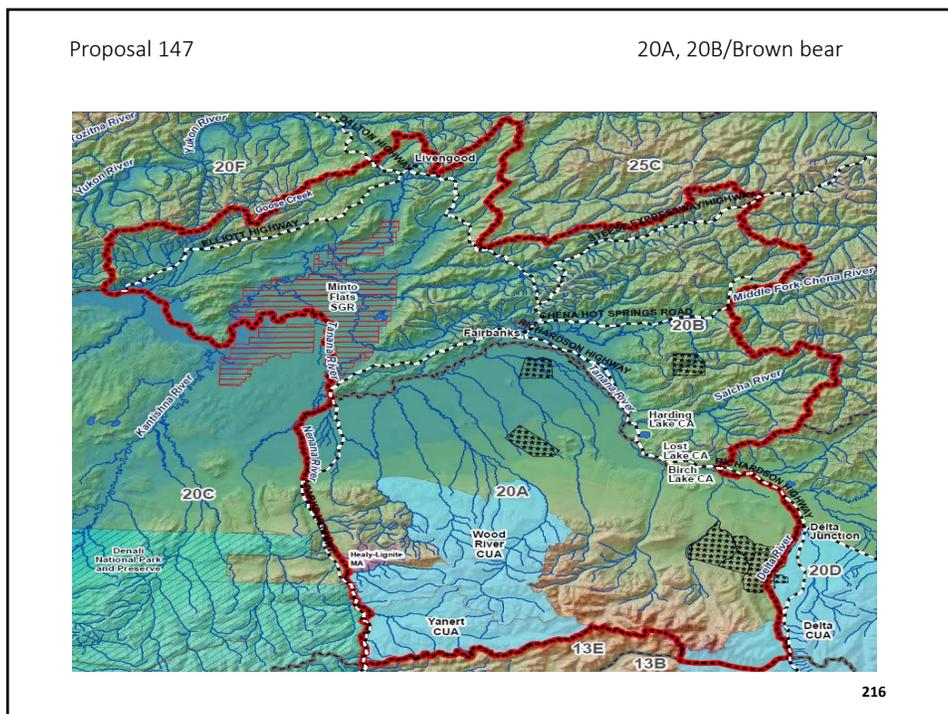
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Proposal 147	20A, 20B/Brown bear
<b><u>Current Season</u></b>	<b><u>Proposed Season</u></b>
<ul style="list-style-type: none"> <li>• Sept. 1-May 31</li> <li>• 1 bear every reg. year</li> <li>• Hunting over bait legal Apr. 15- May 31</li> </ul>	<ul style="list-style-type: none"> <li>• Sept. 1- June 30</li> <li>• Align with black bear baiting season</li> <li>• 1 bear every reg. year</li> </ul>

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Proposal 147 20A, 20B/Brown bear

- **Unit 20A**
  - 2009-2013 = Harvest averaged 23 bears per year
  - 2014-2018 (with baiting) = harvest averaged 27 bears per year.
    - Average 4 bears harvested over bait
  
- **Unit 20B**
  - 2009-2013 = averaged 10 bears per year
  - 2014-2018 (with baiting) = harvest averaged 15 bears per year.
    - Average 9 bears harvested over bait

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Proposal 147 20A, 20B/Brown bear

**Registered Bait Stations**

- **Unit 20B**
  - 2014-2018 = 525 per year
  
- **Unit 20A**
  - 2014-2018 = 105 per year

218

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Proposal 147 20A, 20B/Brown bear

**Population Status**

- No recent surveys or estimates
  - Attempted a distance sampling survey in 2016
  
- 1980s and 1990s research estimated
  - 20A sustainable harvest = 12 bears
  - 20B sustainable harvest = 9 bears
  - These numbers are based on an 8% harvest rate of the population estimates at the time (20A =150 bears, 20B = 113 bears)
  - This is old data and may not be reliable.

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Proposal 147 20A, 20B/Brown bear

**Harvest Data**

- 20A, 2014-2018 = 45% of harvest was females (60/132)
  - Objective = less than 45% females in harvest
  
- Skull size and age data show no indications of population change

220

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Proposal 147

20A, 20B/Brown bear

**Concerns**

- Dept. has biological concerns about sustainability of additional harvest.
  - Prefer to manage conservatively
- Lack scientific data on population and harvest rates.
- Tag fee exemptions, lengthening season, liberalized bag limits and allowing bears to be harvested over bait.
- Unknown risk of over harvest
  - High volume of bear bait stations and bear hunters
  - Excellent access

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**Proposal 147**

**What would the proposal do?** Extend the hunting season for brown bear in Units 20A and 20B Remainder.

**Proposed by:** Public

Department Recommendation: **OPPOSED**

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**Proposal 148**

**What would the proposal do?** Extend the hunting season for brown bear in Unit 20B Remainder.

**Proposed by:** Public

Department Recommendation: **OPPOSE**

223

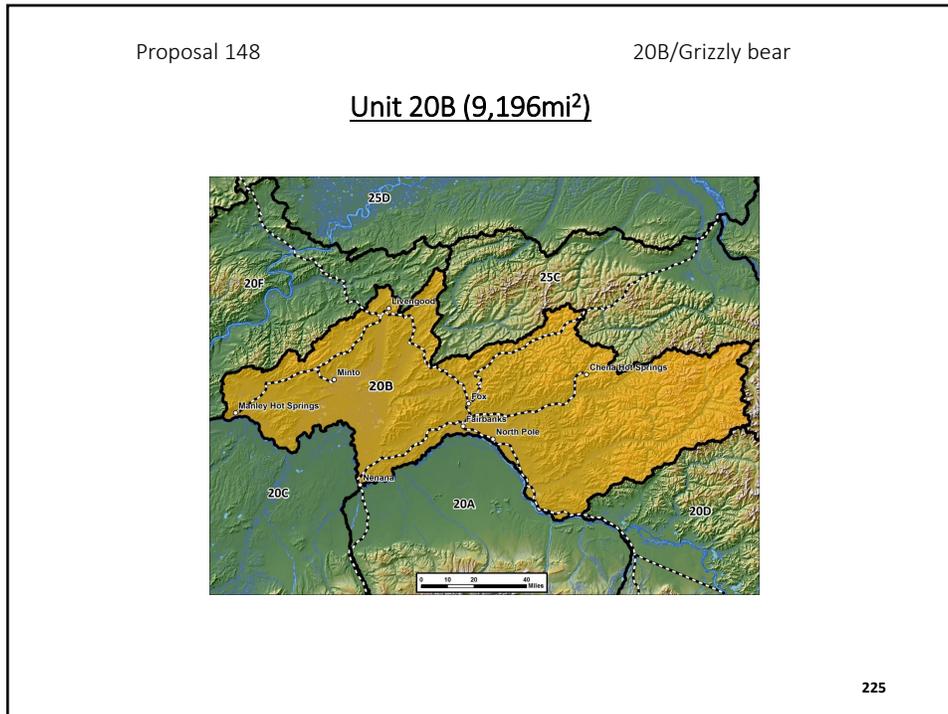
223

Proposal 148 20B/Brown bear

<u><b>Current Season</b></u>	<u><b>Proposed Season</b></u>
<ul style="list-style-type: none"><li>• Sept. 1-May 31</li> <li>• 1 bear every reg. year</li> <li>• Hunting over bait legal Apr. 15- May 31</li></ul>	<ul style="list-style-type: none"><li>• Sept. 1- June 30</li> <li>• Align with black bear baiting season</li> <li>• 1 bear every reg. year</li></ul>

224

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225

- Proposal 148
- 20B/Brown bear
- Unit 20B
    - 2009-2013 = averaged 10 bears per year
    - 2014-2018 (with baiting) = harvest averaged 15 bears per year.
      - Average 9 bears harvested over bait
- Registered Bait Stations**
- Unit 20B
    - 2014-2018 = 525 per year
- 226

226

Proposal 148 20B/Brown bear

**Past Data**

- 1980s and 1990s research estimated
  - 20B sustainable harvest = 9 bears
  - These numbers are based on an 8% harvest rate of the population estimates at the time (20A =150 bears, 20B = 113 bears)
  - This is old data and may not be reliable.

227

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Proposal 148 20B/Brown bear

**Concerns**

- Dept. has biological concerns about sustainability of additional harvest.
  - Prefer to manage conservatively
- Lack scientific data on population and harvest rates.
- Tag fee exemptions, lengthening season, liberalized bag limits and allowing bears to be harvested over bait.
- Unknown risk of over harvest
  - High volume of bear bait stations and bear hunters
  - Excellent access

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## Proposal 148

**What would the proposal do?** Extend the hunting season for brown bear in Unit 20B Remainder.

**Proposed by:** Public

Department Recommendation: **OPPOSE**

229

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## Proposal 149

**What would the proposal do?** Allow brown bears to be taken over bait in Unit 25C.

**Proposed by:** Public

Department Recommendation: **SUPPORT**

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Proposal 149 25C/Brown Bear

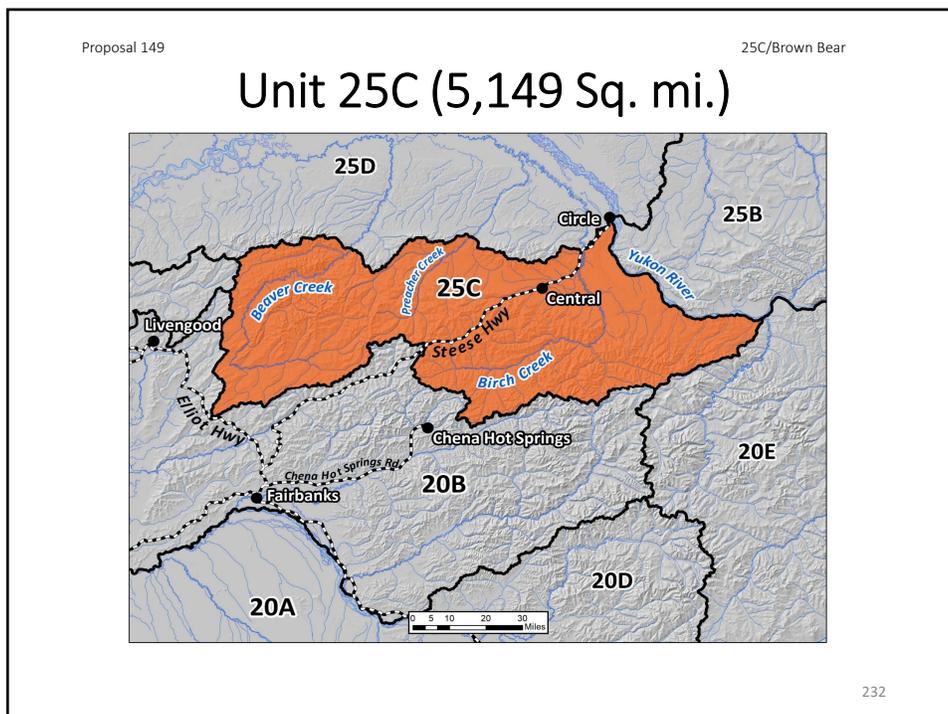
**Current Season**  
Sept. 1 –May 30

**Bag Limit**  
1 bear every regulatory year

**Black bear baiting season**  
April 15-June 30

231

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232

Proposal 149

25C/Brown Bear

- No Grizzly bear population data for Unit 25C.
- Harvest = 4 bears annually (2014-2018).
- Black bear bait stations = 10 registered annually (2014-2018).
- Almost all harvest is during the fall hunting season.
- The department has no biological concern with grizzly bear populations or harvest in this area at this time.

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## Proposal 149

**What would the proposal do?** Allow brown bears to be taken over bait in Unit 25C.

**Proposed by:** Public

Department Recommendation: **SUPPORT**

234

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## Proposal 150

**What would the proposal do?** Establish an intensive management plan for wolves and bears in the Minto Flats Management Area in Unit 20B

**Proposed by:** Public

Department Recommendation: OPPOSE

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Proposal 150

20B/Intensive Management Plan

### Intent of the proposal

- This proposal is asking for an Intensive management plan so that predator control of wolves and bears can be conducted in Minto Flats Management Area.
- The proponent's intent is to increase the moose population.
- This proposal would first require the department to complete a feasibility assessment within the area and bring the report back to the BOG.

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Proposal 150 20B/Intensive Management Plan

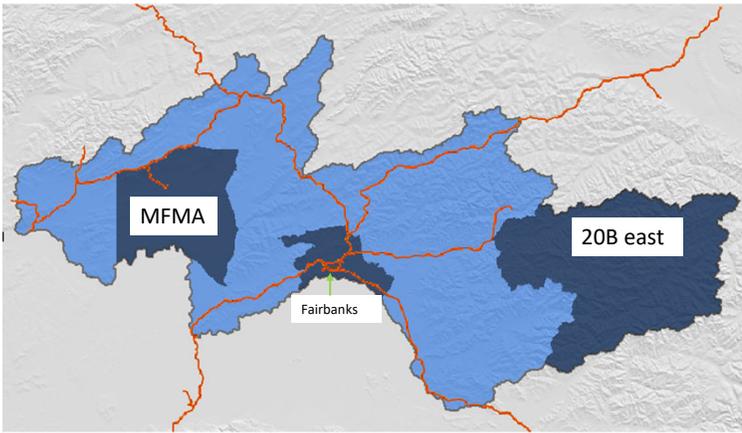
- Unit 20B has a positive finding for IM
- The IM population objective = 12,000-15,000 moose
  - The 2017 Unit 20B estimate = 12,871
- The IM harvest objective = 600-1,500 moose
  - The 2014-2018 Unit 20B average harvest = 653 moose annually

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Proposal 150 20B/ Intensive management plan

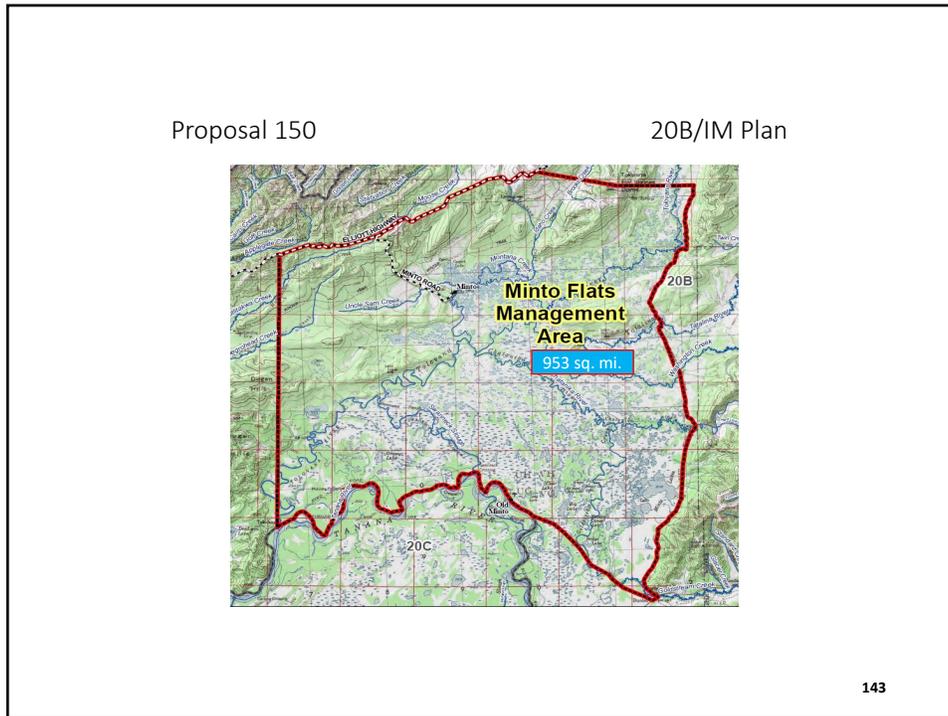
### Unit 20B



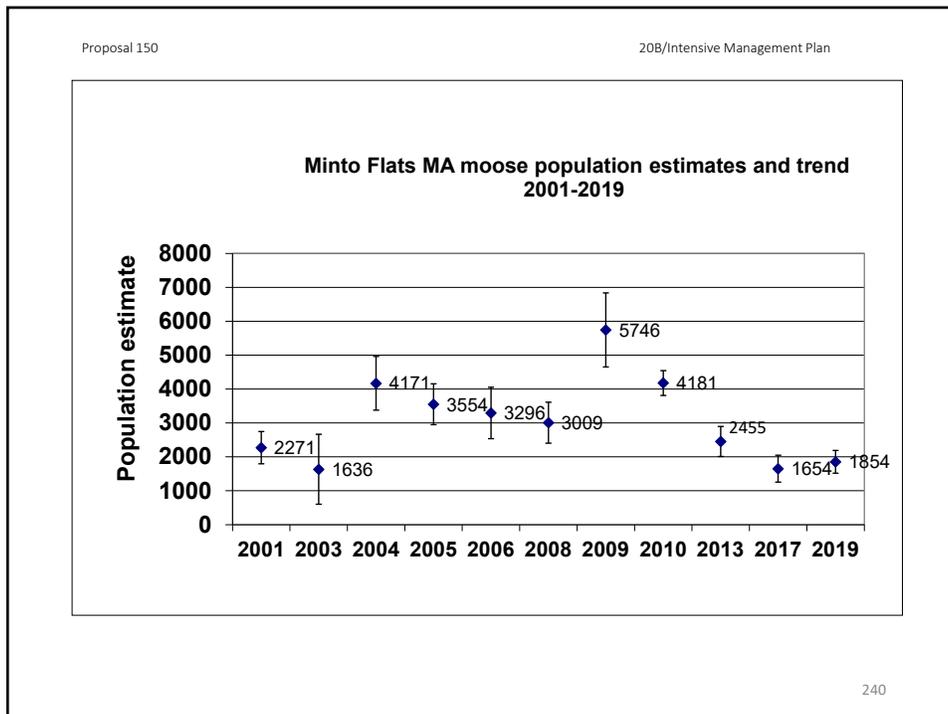
The map displays the geographical boundaries of Unit 20B in a light blue color. Within this unit, there are three distinct sub-units: MFMA (Management Forest Management Area) in the western part, Fairbanks in the central part, and 20B east in the eastern part. The Fairbanks sub-unit is highlighted in a darker blue. Orange lines on the map represent major roads or rivers. The background is a light gray topographic map.

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Proposal 150 20B/Intensive Management Plan

- MFMA cow harvest was high in 2012-2013 to reduce population from 4 moose per square mile down to 1.8-2.0 moose per square mile.
- Cow harvest at this time is limited to 1% of population.
  - Keeps population at current size
- Twinning rates are low, so population is stabilized.
  - Current 3-year average twinning rate is 16%
  - Keep population stable until we see twinning rates averaging above 20%

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Proposal 150 20B/Intensive Management Plan

**Minto Flats Wolf population**

- 2014-2018 MFMA wolf harvest = average 10 wolves

**Minto Flats Lice study area**

- 2018 Wolf population = 80+ wolves in 9 packs
- 2019 Wolf population = 52 wolves in 9 packs

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### **Minto Flats Bear population**

- No bear survey data or population estimates
- Minto flats is predominately black bears
- Some grizzly bears in area
- Unit 20B has a high number of bear bait stations
- 2014-2018 MFMA Black bear harvest = average 14 bears annually

### **Conclusion**

- The MFMA moose population is near 2 moose per sq. mi
- The population is still showing signs of nutritional stress (low twinning rates) so we do not want the population to increase at this time.
- The current goal is to keep the population stable.
- Decreasing bears and wolves may increase the moose population

## Proposal 150

**What would the proposal do?** Establish an intensive management plan for wolves and bears in the Minto Flats Management Area in Unit 20B

**Proposed by:** Public

Department Recommendation: OPPOSE

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## Proposal 151

**What would the proposal do?** Lengthen the season date for hunting wolves in a portion of Unit 20C.

**Proposed by:** Public

Department Recommendation: **SUPPORT**

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Proposal 151 20C/Wolf

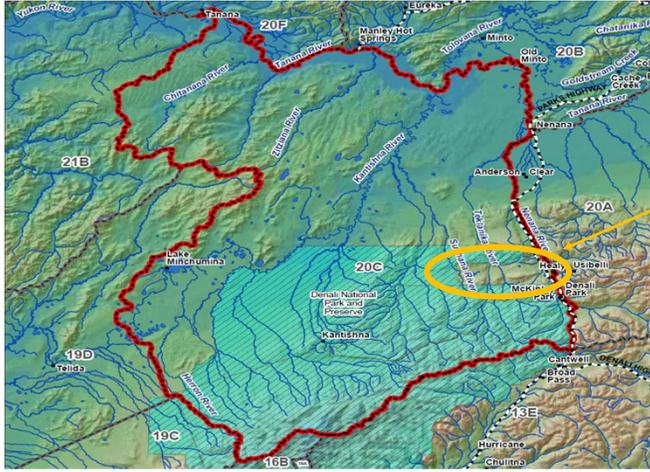
### Current Unit 20C Wolf hunting seasons

- Remainder of Unit 20C
  - Current Hunting season = Aug. 10 – May 31
- **AREA DESCRIPTION:** Unit 20C, west of a line beginning at 63° 48.146' N. lat., 148° 59.934' W. long., north to 63° 49.445' N. lat., 148° 59.935' W. long., then west to 63° 49.445' N. lat., 149° 12.699' W. long., then north to 63° 54.642' N. lat., 149° 12.699' W. long., and bounded on the south, west, and north by Denali National Park.
  - Current hunting season = Aug. 10 – April 15
  - **Proposed change to hunting season = Aug. 10 – May 31**

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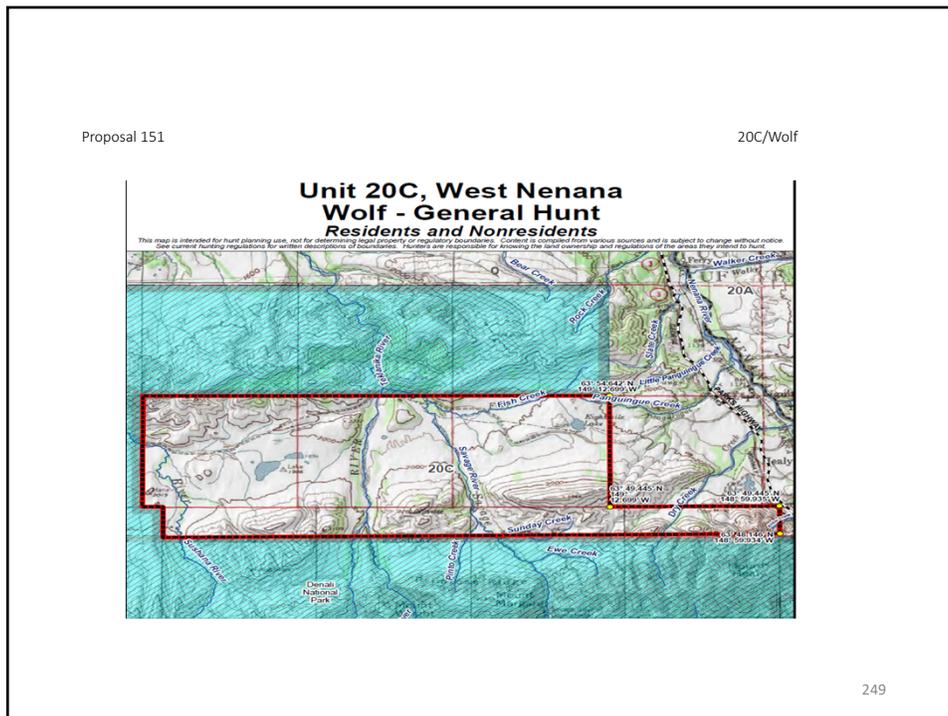
247

Proposal 151 20C/Wolf



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Proposal 151 20C/Wolf

**History**

- This area had same season as the “remainder of 20C” until 2016
- Season was shortened because an ACR was submitted by the National Park Service
- The Regulation was passed by the board in March 2016 at a statewide board meeting.
- During 2014-2018 = an average of 3 wolves per year were harvested by using a firearm.
  - Some of this harvest may be from hunters using a trapping license

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Proposal 151

20C/20A Wolves

### Unit 20A and 20C wolf densities

- **Unit 20A**

- Most recent estimate 2015 = 22.3 wolves/1000 mi<sup>2</sup>

- **Unit 20C**

- Most recent estimate 2012 = 10.7 wolves/ 1000 mi<sup>2</sup>

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## Proposal 151

**What would the proposal do?** Lengthen the season date for hunting wolves in a portion of Unit 20C.

**Proposed by: Public**

Department Recommendation: **SUPPORT**

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## Proposal 152

**What would the proposal do?** Establish a closed area for the taking of wolves near Denali National Park in Unit 20C.

**Proposed by:** Denali National Park and Preserve

Department Recommendation: **NEUTRAL**

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Proposals 152

20C/Wolves

- This proposals is an allocation issue.
- This would be a reduction in opportunity for hunters and trappers.
- The department has no biological concerns with wolf populations or harvest in this area.
- The proponent has proposed two options.

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# Proposal 152

**Current seasons:**

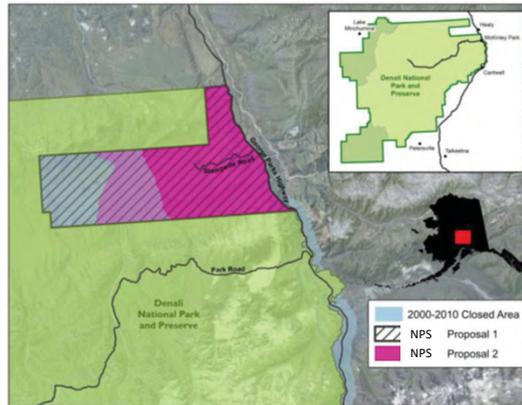
Hunting = Aug 10-April 15

Trapping = Nov 1-April 30

**Proposed Seasons:**

Hunting = Aug 10-Jan 31

Trapping = Nov 1-Jan 31



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Proposal 152

20C/20A Wolves

## Unit 20A and 20C wolf densities

• **Unit 20A**

- Most recent estimate 2015 = 22.3 wolves/1000 mi<sup>2</sup>

• **Unit 20C**

- Most recent estimate 2012 = 10.7 wolves/ 1000 mi<sup>2</sup>

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Proposal 152

20C/Wolf

- Harvest in this portion of 20C = 5 wolves annually (2014-2018)
- 2014-2018 = 44% of harvest occurs in Feb, March, or April
  - 83% of this harvest is with traps or snares.

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## Proposal 152

**What would the proposal do?** Establish a closed area for the taking of wolves near Denali National Park in Unit 20C.

**Proposed by:** Denali National Park and Preserve

Department Recommendation: **NEUTRAL**

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## Proposal 153

**What would the proposal do?** Extend the trapping season for wolverine in Unit 20F.

**Proposed by:** Fairbanks Fish and Game Advisory Committee

Department Recommendation: **SUPPORT**

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Proposal 153

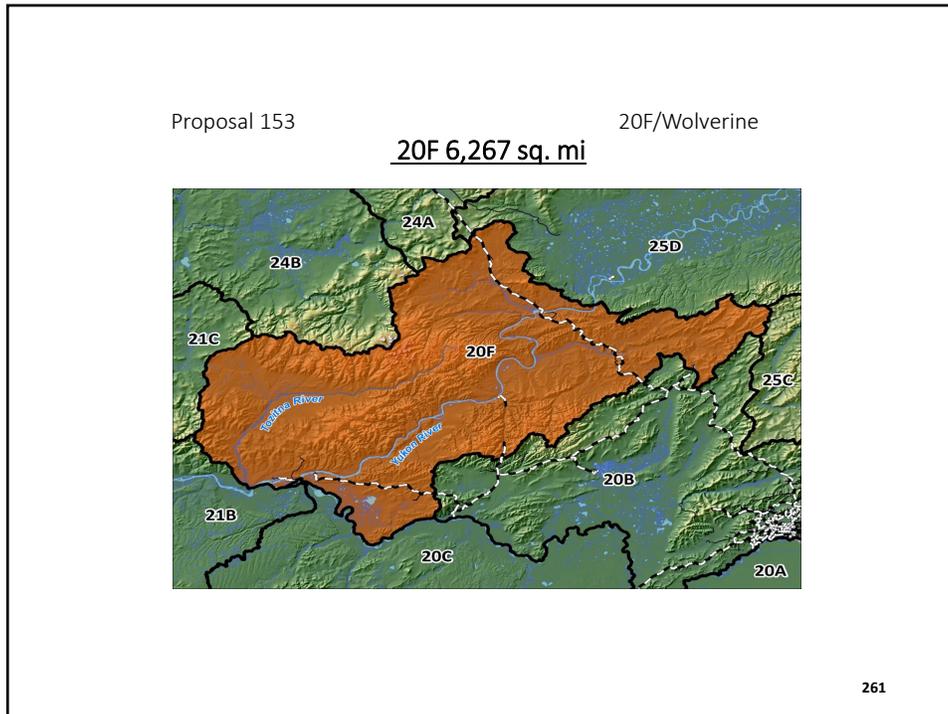
20F/Wolverine

### Effect of the proposal

- This proposal would change the wolverine trapping season from Nov. 1-Feb. 28 to Nov. 1 – Mar. 15.
- This would extend the season 15 days and align it with lynx trapping season.

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- Proposal 153
- 20F/Wolverine
- Unit 20F Trapping
- 2009-2018 = average harvest = 10 wolverine annually
  - 2014-2018 = average of 15 trappers report sealing fur annually
  - Department has no population data, however wolverine appear to be common in Unit 20F.
  - Large portion of unit is remote and contains good wolverine habitat.
  - Department does not have a conservation concern.
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## Proposal 153

**What would the proposal do?** Extend the trapping season for wolverine in Unit 20F.

**Proposed by:** Fairbanks Fish and Game Advisory Committee

Department Recommendation: **SUPPORT**

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## Proposal 154

**What would the proposal do?** Restrict the taking of waterfowl in the Badger Slough area in Unit 20B to falconry and archery with flu-flu arrows.

**Proposed by:** Public

Department Recommendation: **NEUTRAL**

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Proposal 154

20B/Waterfowl

- This proposal would restrict waterfowl hunting on Chena Slough to bow and arrow with flu-flu arrows or falconry.
- Currently shotguns are permitted in the area for waterfowl hunting and general waterfowl seasons apply.

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Proposal 154

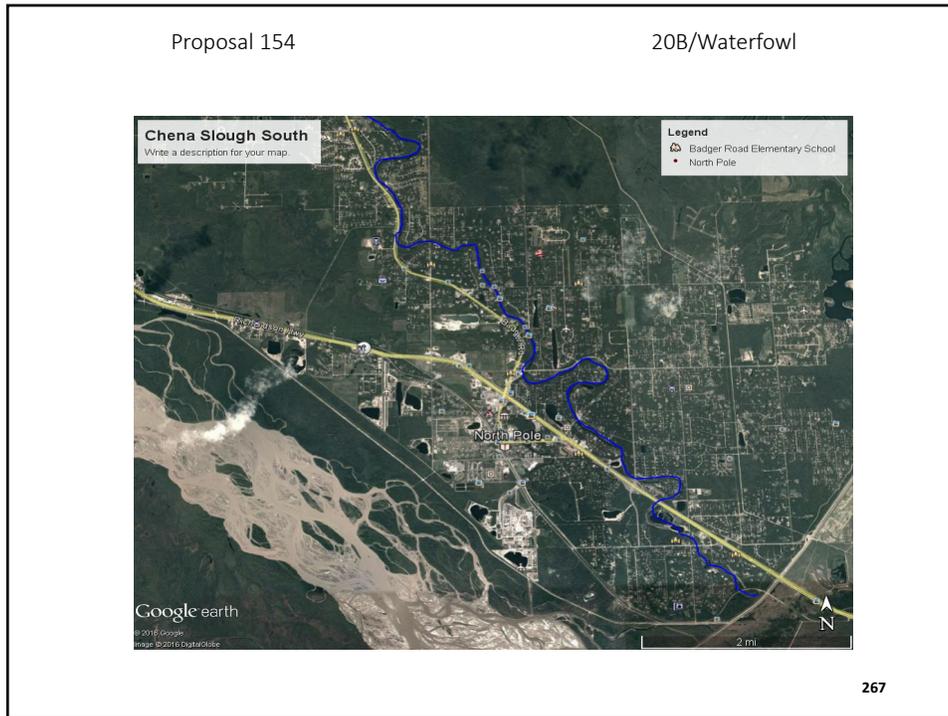
20B/Waterfowl

### **Location**

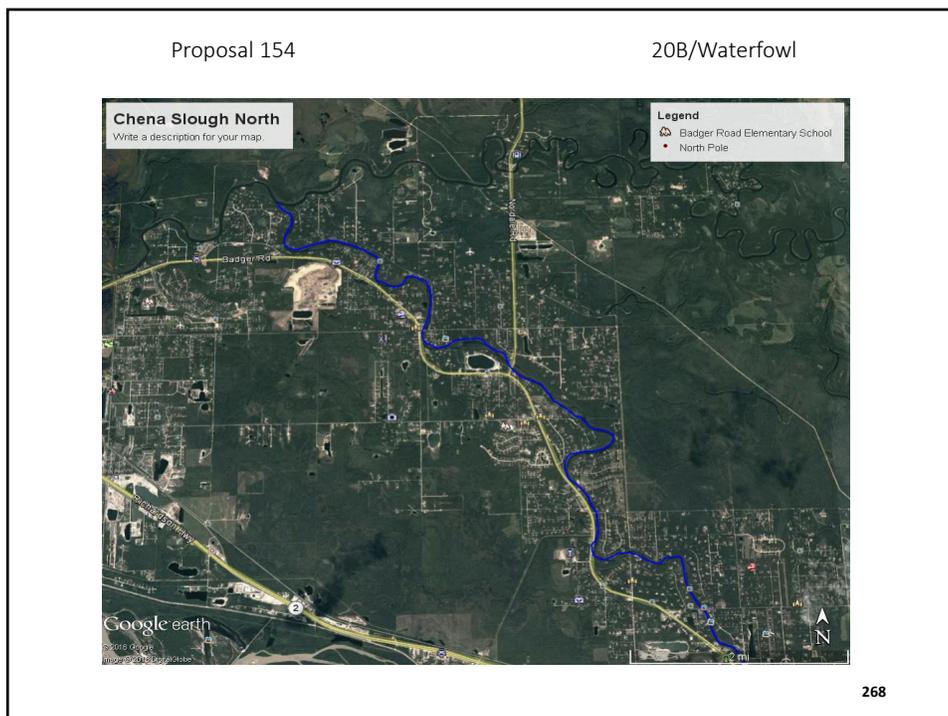
- Chena Slough (AKA Badger Slough) is a tributary of the Chena River that starts east of North Pole, flows along Badger Road and dumps into the Chena River.
- The majority of the slough flows through residential areas and is outside the city limits, so firearms may be discharged in the area.

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Proposal 154	20B/Waterfowl
<ul style="list-style-type: none"><li>• The department has no data on waterfowl harvest or hunter effort in this area.</li><li>• ADF&amp;G rarely receives complaints from this area.</li><li>• AWT regularly fields complaints from this area.</li></ul>	
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<h2>Proposal 154</h2> <p><b>What would the proposal do?</b> Restrict the taking of waterfowl in the Badger Slough area in Unit 20B to falconry and archery with flu-flu arrows.</p> <p><b>Proposed by:</b> Public</p> <p>Department Recommendation: <b>NEUTRAL</b></p>
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