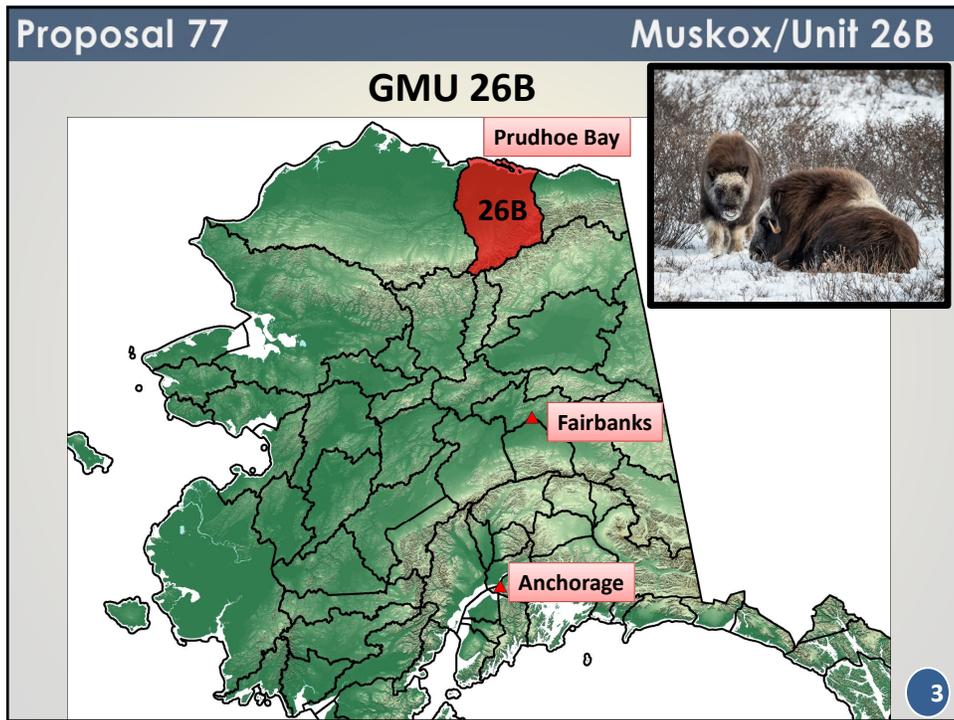


Proposal 77	MuskoX/Unit 26B
<h2>PROPOSAL 77</h2> <ul style="list-style-type: none"><li>• Reauthorize muskoX registration or drawing permits to residents only in Unit 26B</li></ul> <p><u>Submitted by:</u> Public</p> <p><u>Department Recommendation:</u> OPPOSE</p> <div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">1</div>	

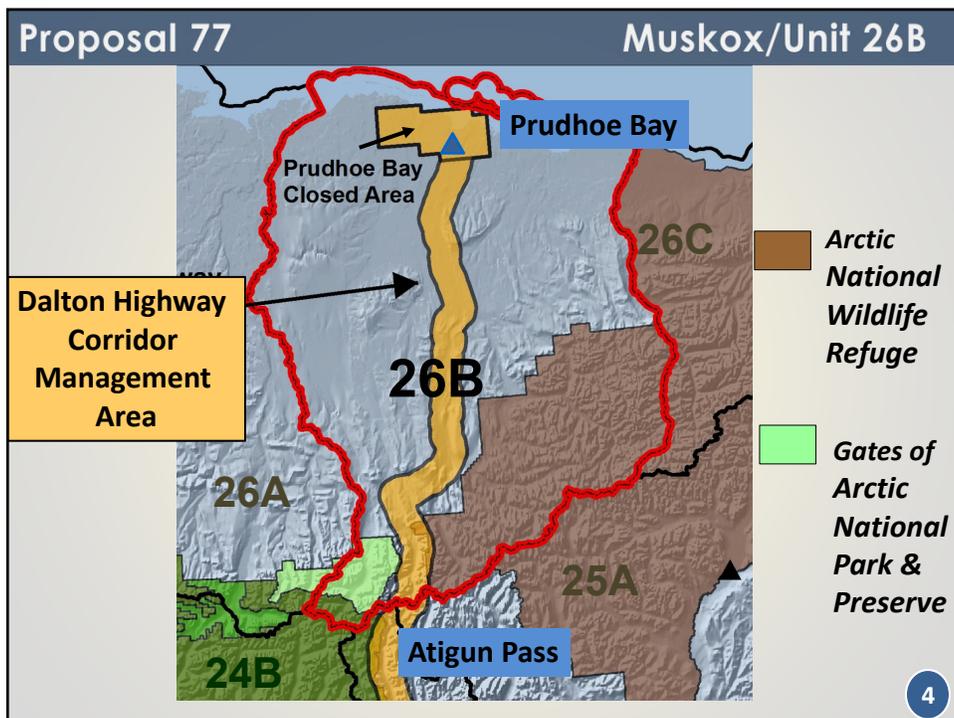
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Proposal 77	MuskoX/Unit 26B
<p><u>Effect of proposal:</u></p> <ul style="list-style-type: none"><li>• Re-opening muskoX hunting in Unit 26B for residents</li><li>• <i>The Dept. currently has authority to re-open a hunt</i></li></ul> <p><u>Proponent's Issues:</u></p> <ul style="list-style-type: none"><li>• Requests reauthorization of muskoX registration or drawing permits made available to residents for Unit 26B</li></ul> <div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">2</div>	

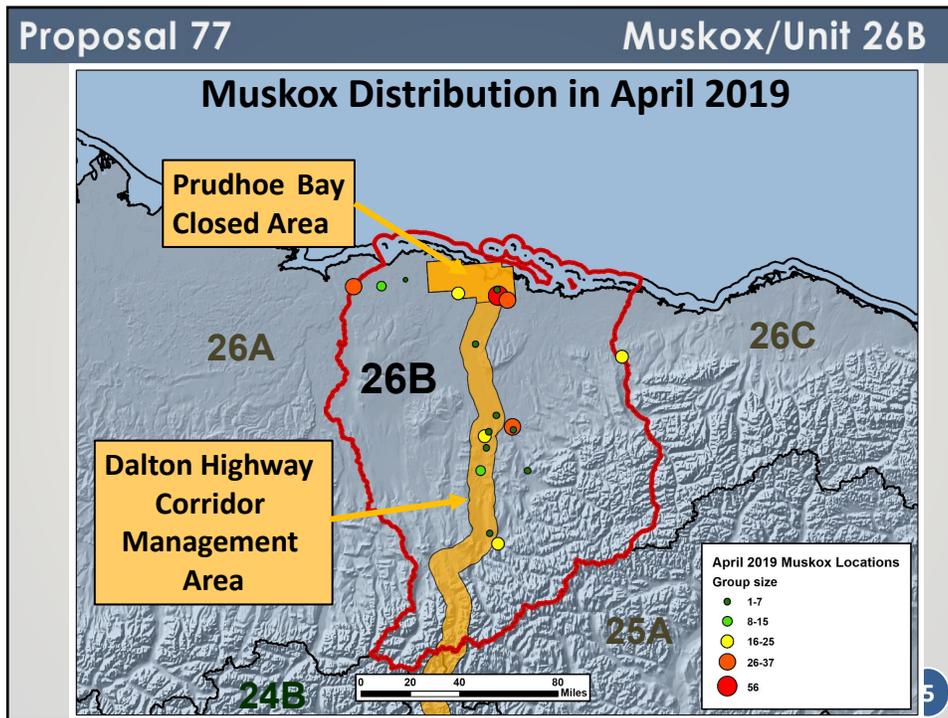
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**Proposal 77** **Muskox/Unit 26B**

**Hunt is closed; but remains in codified, for residents only**

**Unit 26A & 26B, west of the Dalton Hwy**

1 muskox by Tier II; Aug. 1—Mar. 31  
 up to 20 muskox may be taken

**Unit 26B, east of the Dalton Hwy**

1 muskox by Tier I (registration); Season to be announced  
 (harvest quota = 4)

OR

1 bull by drawing permit if Sept. 20—Oct. 10  
 harvestable surplus is greater than Mar. 10—Mar 20  
 4 muskoxen; up to 5 muskoxen  
 may be taken

**6**

6

Proposal 77	Muskox/Unit 26B
<b><u>Hunt is closed; but remains in codified, for residents only</u></b>	
<b>Unit 26A &amp; 26B, west of the Dalton Hwy</b>	
1 muskox by Tier II; up to 20 muskox may be taken	Aug. 1—Mar. 31
<b>Unit 26B, east of the Dalton Hwy</b>	
1 muskox by Tier I (registration); (harvest quota = 4)	Season to be announced
OR	
1 bull by drawing permit if harvestable surplus is greater than 4 muskoxen; up to 5 muskoxen may be taken	Sept. 20—Oct. 10 Mar. 10—Mar 20

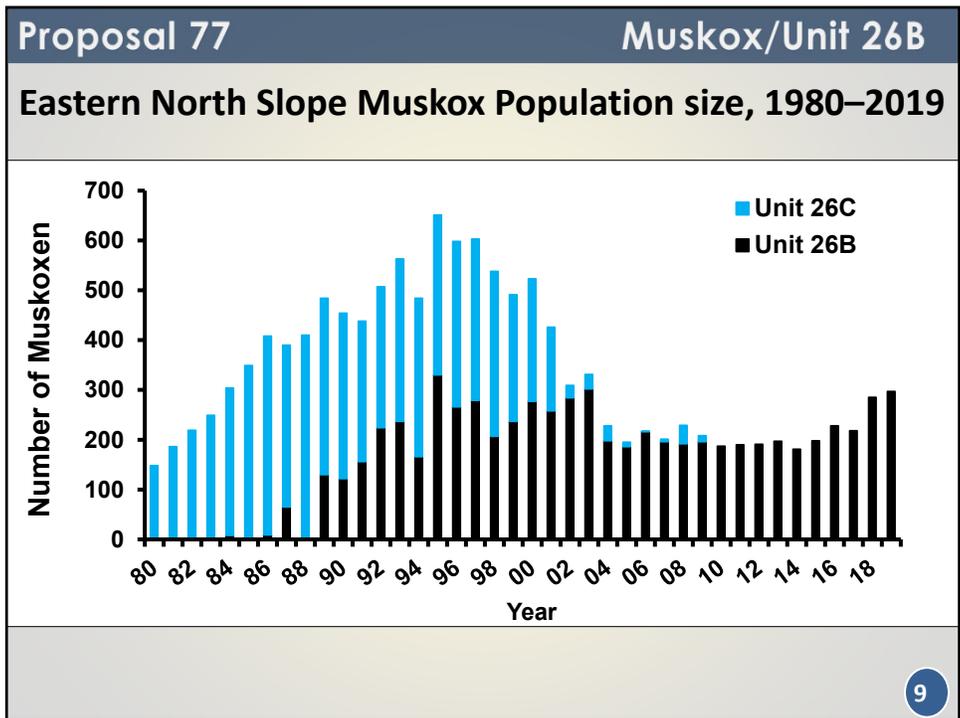
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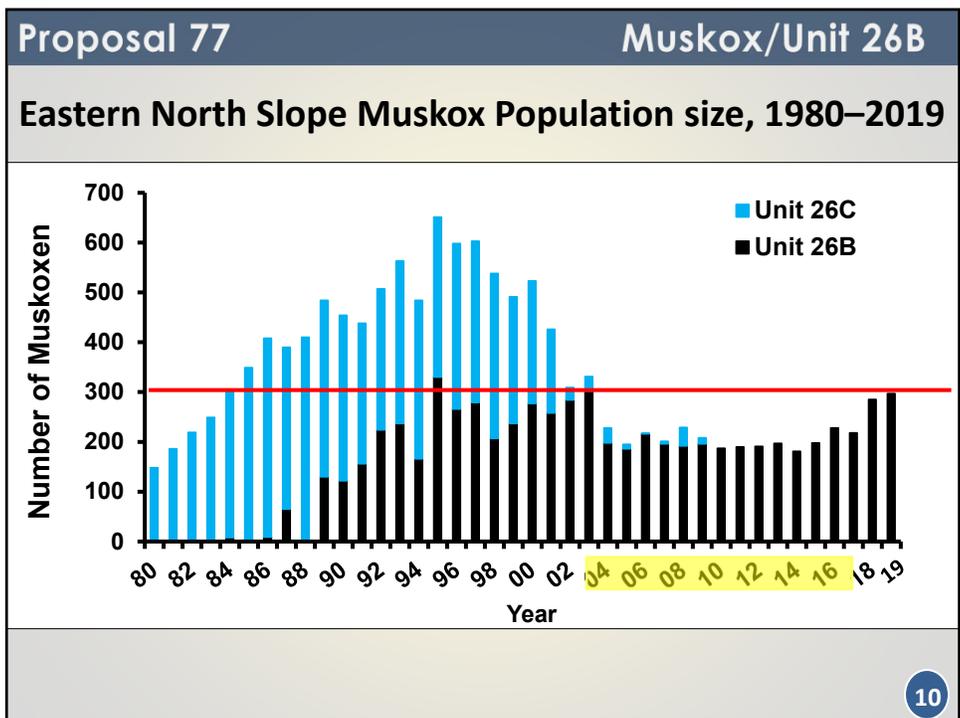
Proposal 77	Muskox/Unit 26B
<b><u>ANS for Unit 26A &amp; 26B Muskoxen established 1998</u></b>	
<ul style="list-style-type: none"><li>• Unit 26A &amp; 26B, that portion west of the DHCMA<ul style="list-style-type: none"><li>➤ 20 muskoxen</li></ul></li><li>• Unit 26B, that portion east of the DHCMA<ul style="list-style-type: none"><li>➤ 4 muskoxen</li></ul></li></ul>	
	

8

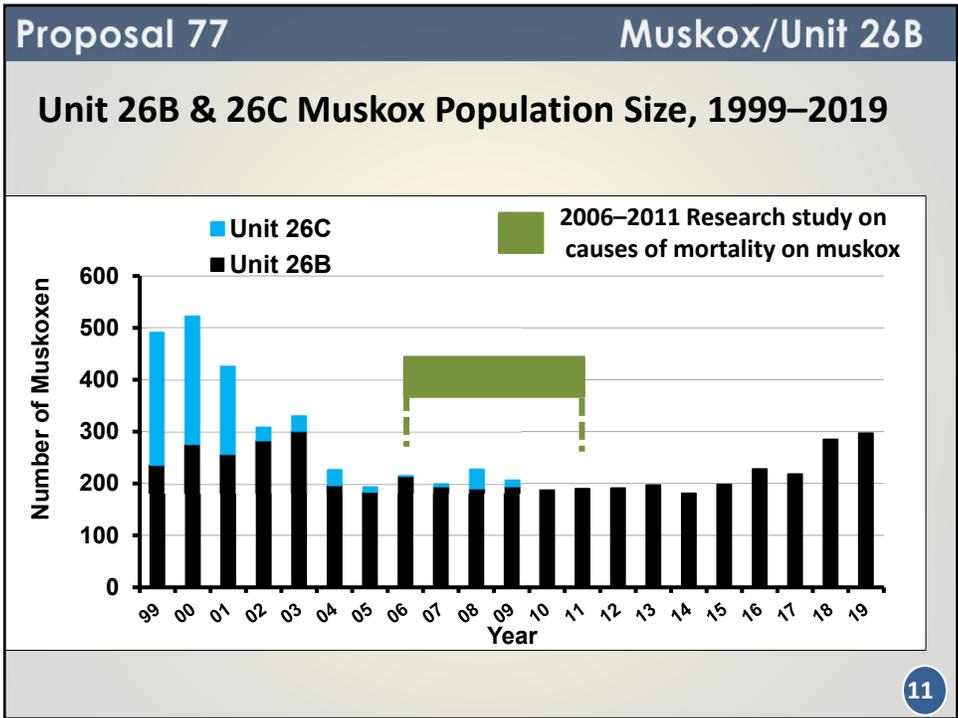
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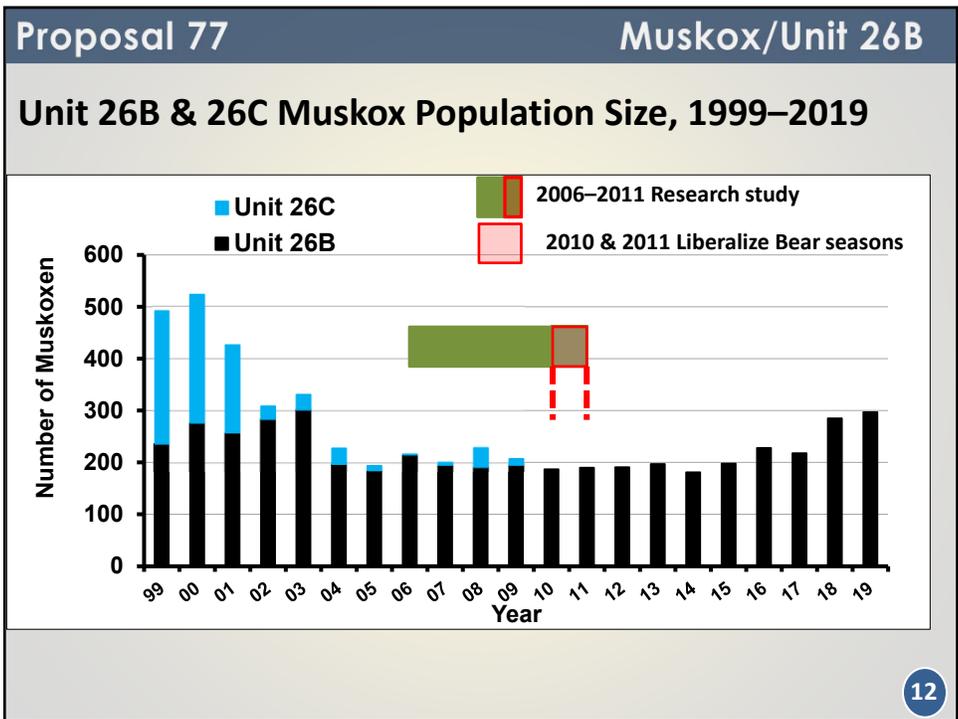
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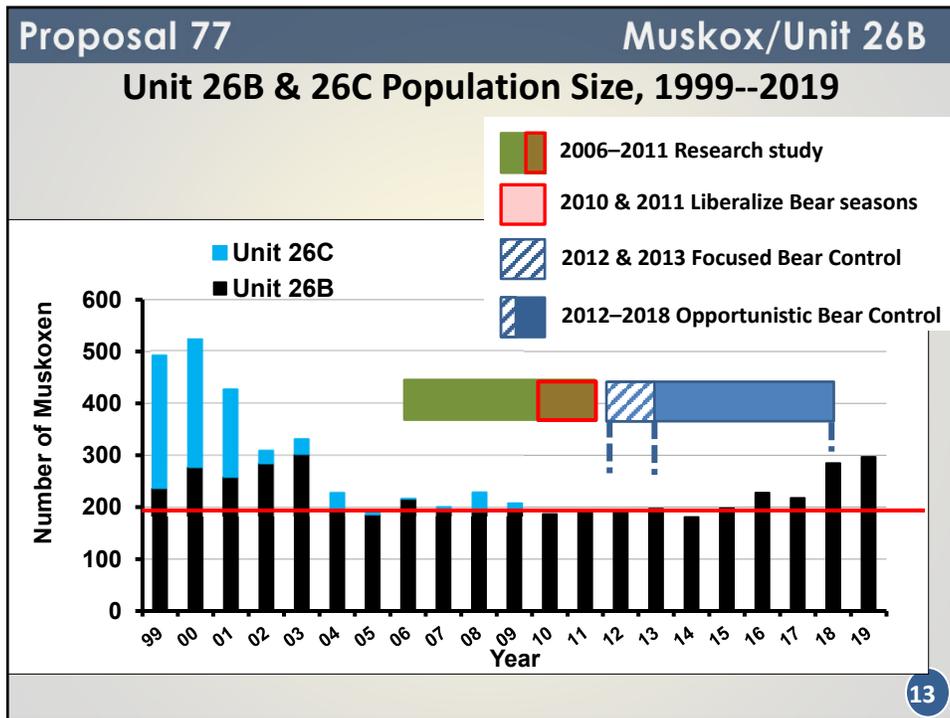
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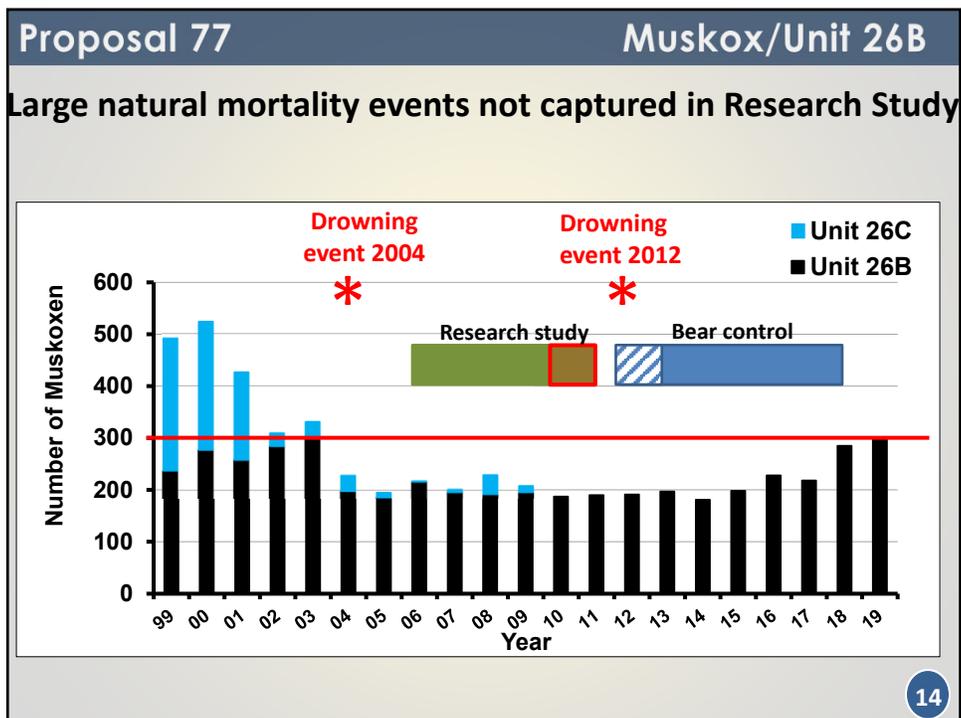
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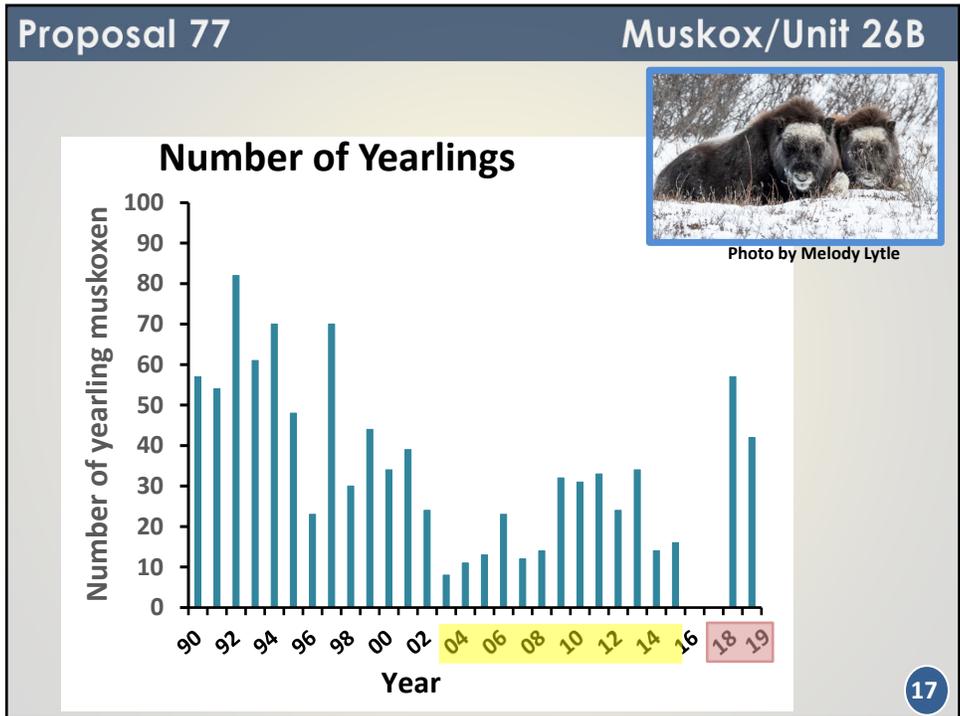
14

<b>Proposal 77</b>	<b>Muskox/Unit 26B</b>
<b>Brief Summary of Bear Control</b>	
<p><b><u>Focused Bear Control in FY12 and FY13</u></b></p> <ul style="list-style-type: none"> <li>• Removed 6 bears spring of 2012 and 2013</li> <li>• Muskox drowning event in fall 2012 (lost 12% of small population)</li> <li>• <b>Mortality of adults from bear predation was lower</b></li> <li>• <b>Slight increased summer calf survival, but it did not result in increased yearling recruitment</b></li> </ul> <p><b><u>Opportunistic Bear control 2014–2018</u></b></p> <ul style="list-style-type: none"> <li>• Removed 1 bear spring of 2015</li> <li>• Population approx. 200 animals during 2012–2017</li> </ul>	
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px; display: inline-block;">15</span>	

15

<b>Proposal 77</b>	<b>Muskox/Unit 26B</b>																																																																																								
<b>Population increased in 2018 and 2019</b>																																																																																									
<ul style="list-style-type: none"> <li>• In 2018, population was 285</li> <li>• In 2019, population was 297</li> </ul>																																																																																									
<table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>Muskox Population Data (Estimated from Chart)</caption> <thead> <tr> <th>Year</th> <th>Unit 26C</th> <th>Unit 26B</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>99</td><td>250</td><td>230</td><td>480</td></tr> <tr><td>00</td><td>250</td><td>270</td><td>520</td></tr> <tr><td>01</td><td>170</td><td>250</td><td>420</td></tr> <tr><td>02</td><td>20</td><td>280</td><td>300</td></tr> <tr><td>03</td><td>20</td><td>310</td><td>330</td></tr> <tr><td>04</td><td>30</td><td>190</td><td>220</td></tr> <tr><td>05</td><td>10</td><td>180</td><td>190</td></tr> <tr><td>06</td><td>0</td><td>210</td><td>210</td></tr> <tr><td>07</td><td>0</td><td>190</td><td>190</td></tr> <tr><td>08</td><td>40</td><td>180</td><td>220</td></tr> <tr><td>09</td><td>20</td><td>180</td><td>200</td></tr> <tr><td>10</td><td>0</td><td>180</td><td>180</td></tr> <tr><td>11</td><td>0</td><td>180</td><td>180</td></tr> <tr><td>12</td><td>0</td><td>180</td><td>180</td></tr> <tr><td>13</td><td>0</td><td>180</td><td>180</td></tr> <tr><td>14</td><td>0</td><td>180</td><td>180</td></tr> <tr><td>15</td><td>0</td><td>180</td><td>180</td></tr> <tr><td>16</td><td>0</td><td>220</td><td>220</td></tr> <tr><td>17</td><td>0</td><td>210</td><td>210</td></tr> <tr><td>18</td><td>0</td><td>285</td><td>285</td></tr> <tr><td>19</td><td>0</td><td>297</td><td>297</td></tr> </tbody> </table>		Year	Unit 26C	Unit 26B	Total	99	250	230	480	00	250	270	520	01	170	250	420	02	20	280	300	03	20	310	330	04	30	190	220	05	10	180	190	06	0	210	210	07	0	190	190	08	40	180	220	09	20	180	200	10	0	180	180	11	0	180	180	12	0	180	180	13	0	180	180	14	0	180	180	15	0	180	180	16	0	220	220	17	0	210	210	18	0	285	285	19	0	297	297
Year	Unit 26C	Unit 26B	Total																																																																																						
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**Proposal 77** **Muskox/Unit 26B**

**PROPOSAL 77**

- Reauthorize registration or drawing muskox permits to residents only in Unit 26B

Submitted by: Public

Department Recommendation: OPPOSE

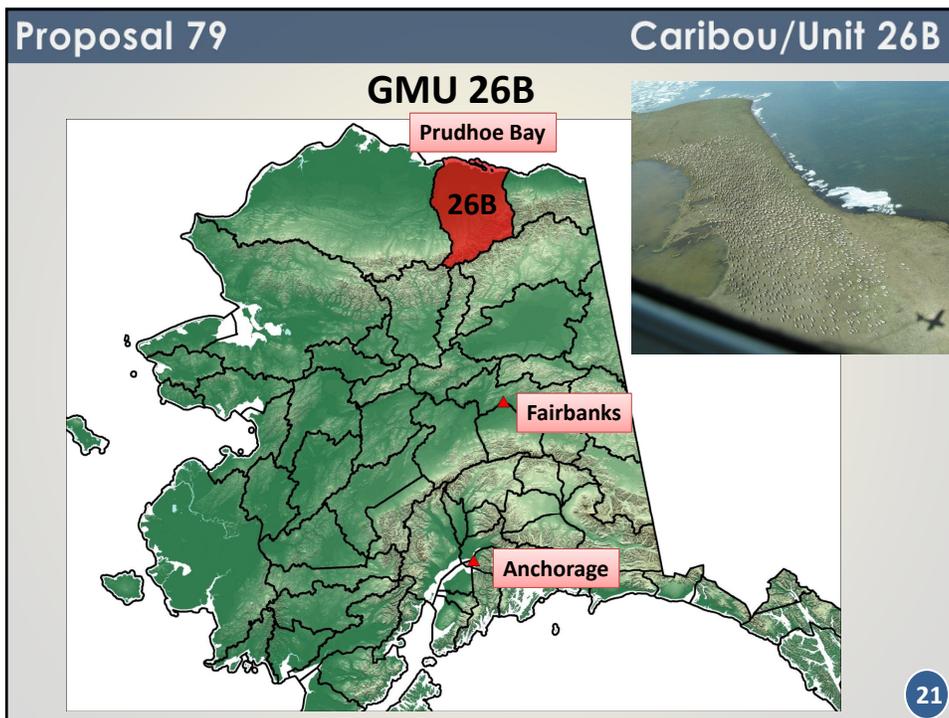
18

Proposal 79	Caribou/Unit 26B
<b>PROPOSAL 79</b>	
In Unit 26B remainder,	
<ul style="list-style-type: none"><li>• Increase resident bag limit for caribou from 2 bulls to 4 bulls</li><li>• Open resident season on 1 July vs 1 August</li><li>• Open a resident-only limited registration hunt for cows after Aug 15</li></ul>	
<u>Submitted by:</u> Fairbanks Fish & Game AC	
<u>Department Recommendation:</u> NEUTRAL on season & bag limit OPPOSE on limited registration cow hunt	
<b>19</b>	

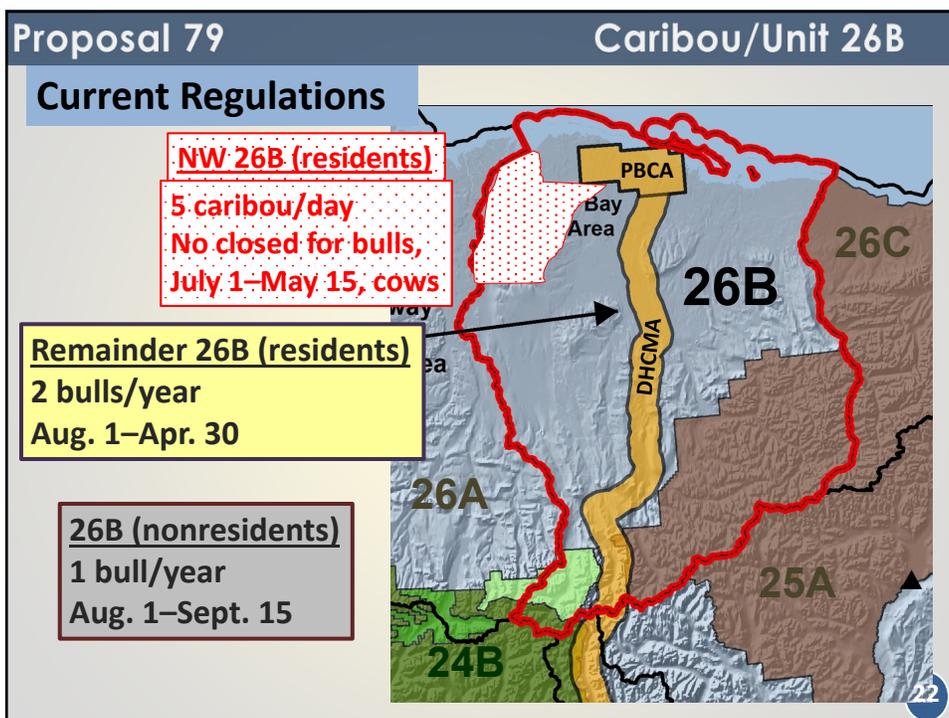
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Proposal 79	Caribou/Unit 26B
<u>Effect of proposal:</u>	
<ul style="list-style-type: none"><li>• Increase resident hunting opportunity on the CAH in Unit 26B, remainder</li></ul>	
<u>Proponent's Issues:</u>	
<ul style="list-style-type: none"><li>• Currently harvesting below allowable harvest</li><li>• Low participation by residents</li></ul>	
Note that Proposals 80 and 81 also request regulatory changes for residents and nonresidents hunting CAH in Unit 26B	
<b>20</b>	

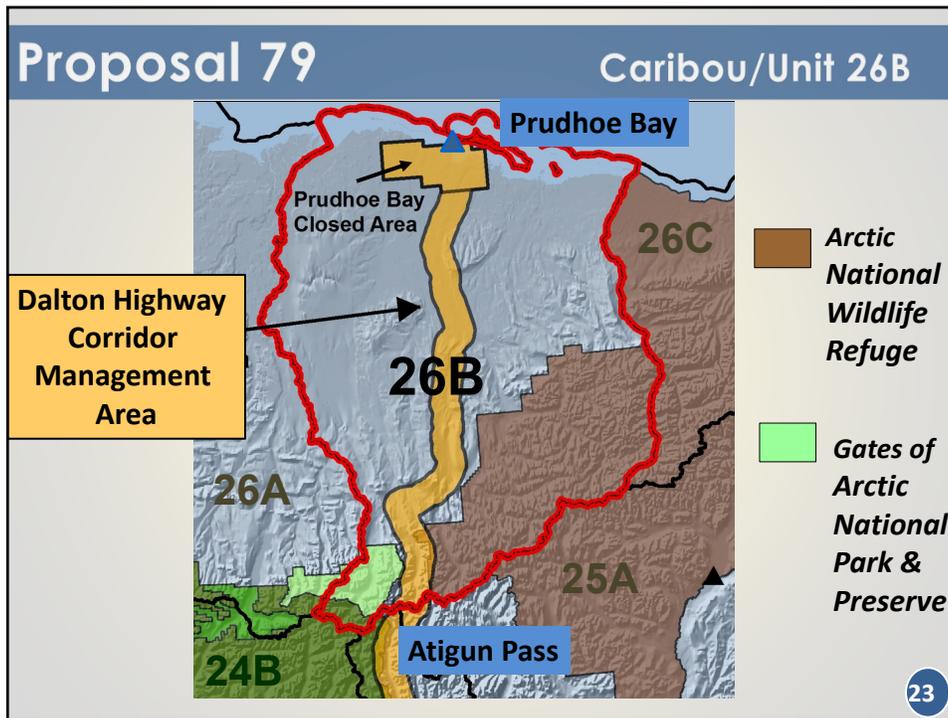
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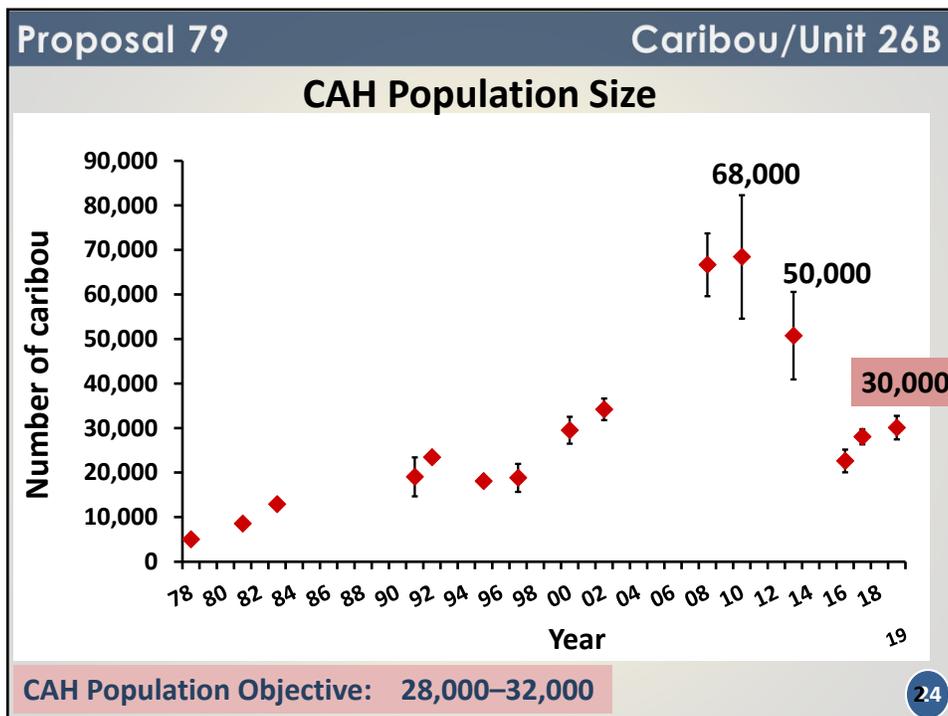
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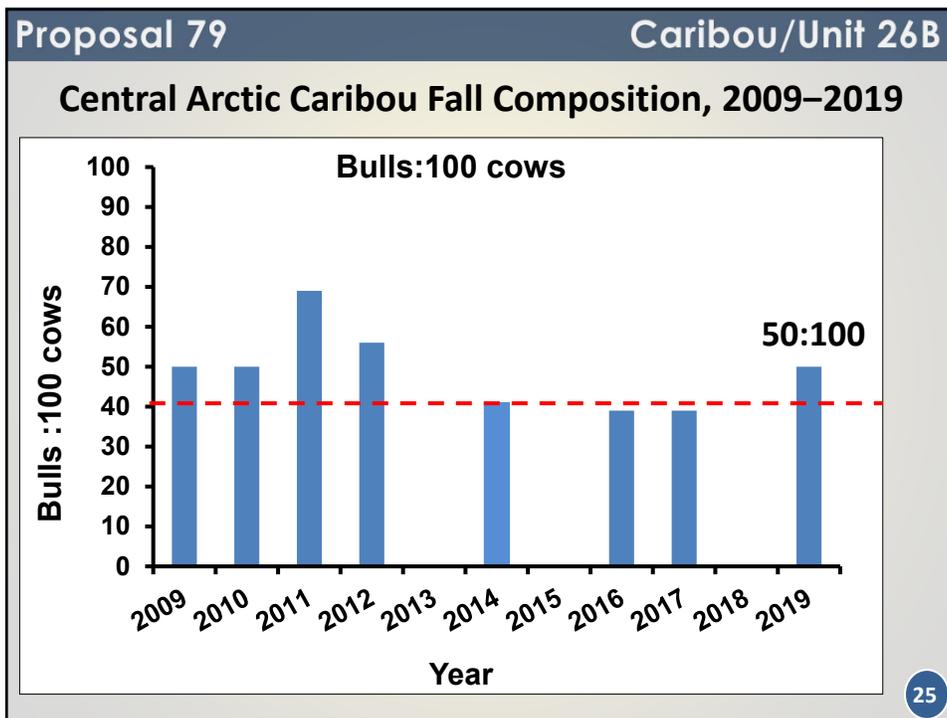
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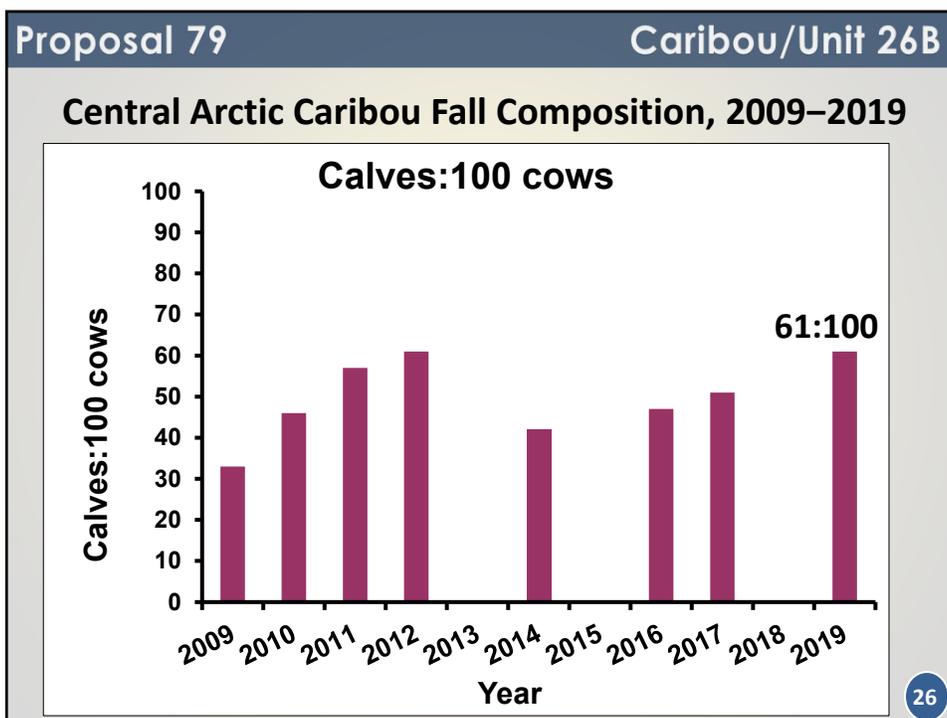
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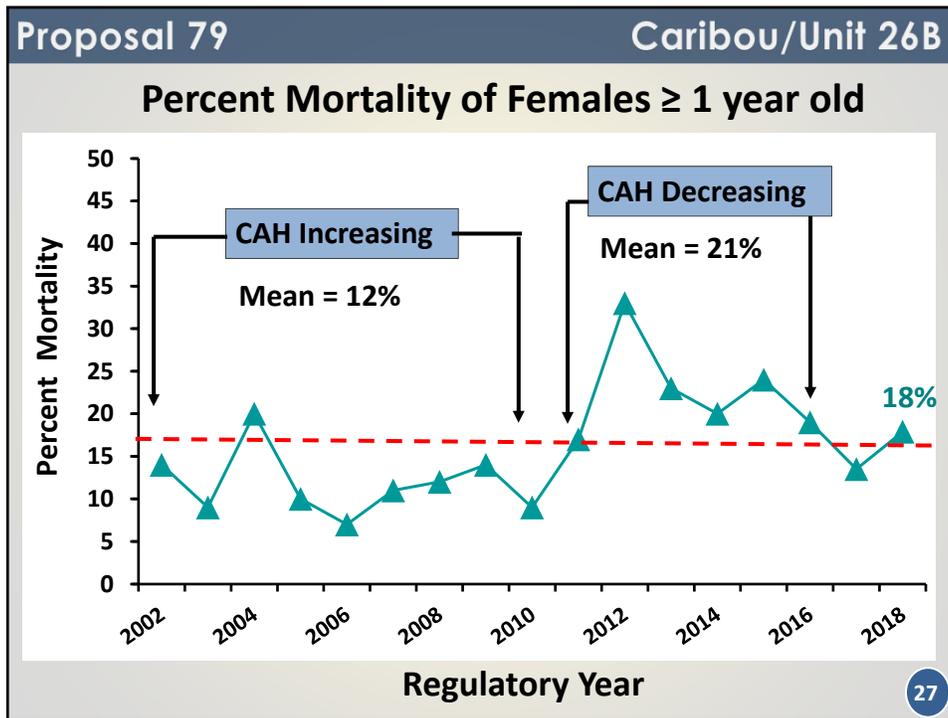
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**Proposal 79** **Caribou/Unit 26B**

❖ **CAH Population Objective: 28,000–32,000**

- 2019 Population estimate = 30,000 caribou
- Many calves in 2019
- Good bull:cow ratios in 2019
- High mortality of radiocollared adult females in RY2018

**Recommending to continue  
to restrict cow harvest**

28

28

<b>Proposal 79</b>	<b>Caribou/Unit 26B</b>
<b>Allowable Harvest</b>	
<p>❖ <b><u>Applied a 3% harvest rate:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b>Allowable harvest = 900 caribou, of which ≤ 75 can be cows</b></li> <li>➤ <b>ANS for CAH = 250–450</b></li> </ul>	
29	

29

<b>Proposal 79</b>	<b>Caribou/Unit 26B</b>		
<b>Harvest of CAH by Residency</b>			
<b>Residency</b>	<b>Mean RY17 &amp; RY18 Harvest</b>	<b>Hunters</b>	<b>Success Rate</b>
Unit 26A Residents	100	na	na
Unit 24B Residents	100–200	na	
Other Alaska Residents	113	322	31%
Nonresident	109	232	48%
<b>Total</b>	<b>422–522 (60–90 cows)</b>		
<b>Allowable harvest= <u>900</u> caribou; ≤ 75 cows</b>			
30			

30

**Proposal 79** **Caribou/Unit 26B**

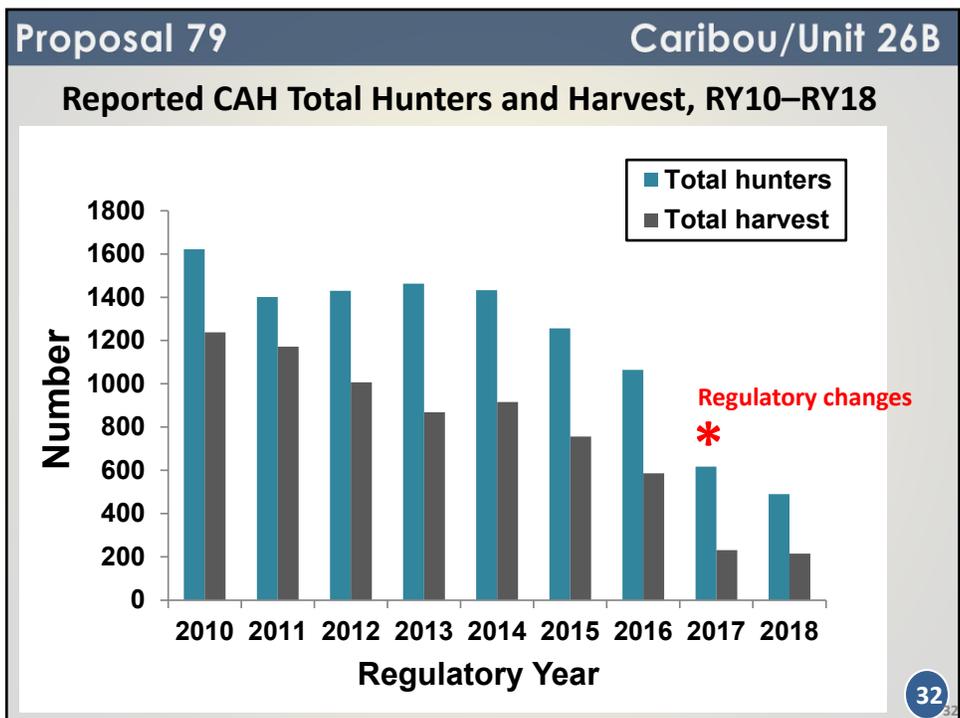
**Number of Resident Hunters that reported harvesting 2 bulls in RY17 and RY18**

- RY17: 11 of 348 hunters harvested 2 bulls
- RY18: 17 of 295 hunters harvested 2 bulls

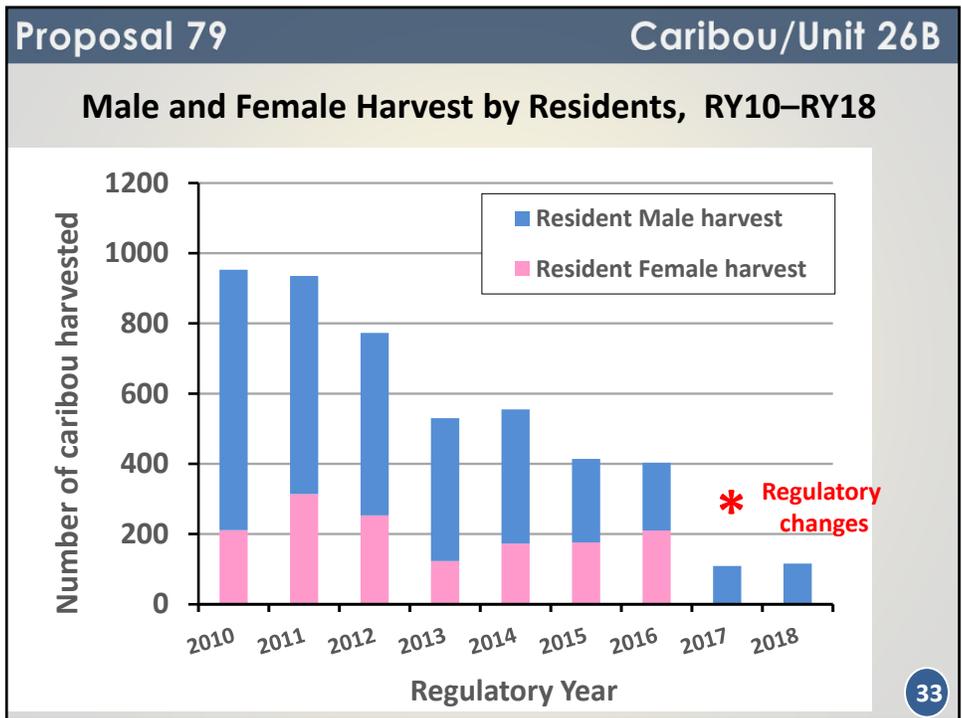
Predict < 75 additional caribou will be harvested with a 4-bull bag limit for residents

**31**

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**Proposal 79** **Caribou/Unit 26B**

**Reported Resident CAH Harvest in July**

**RY00–RY16**

- Range: 3–42 caribou (1–9 were female)
- Mean: 18 caribou

Photo by Wendy Mahan

34

34

Proposal 79	Caribou/Unit 26B
<p style="text-align: center;"><b>PROPOSAL 79</b></p> <p>In Unit 26B remainder,</p> <ul style="list-style-type: none"><li>• Increase resident bag limit for caribou from 2 bulls to 4 bulls</li><li>• Open resident season on 1 July vs 1 August</li><li>• Open a resident-only limited registration hunt for cows after Aug 15</li></ul> <p><u>Submitted by:</u> Fairbanks Fish &amp; Game AC</p> <p><u>Department Recommendation:</u> <b>NEUTRAL</b> on season &amp; bag limit <b>OPPOSE</b> on limited registration cow hunt</p> <p style="text-align: right;">35</p>	

35

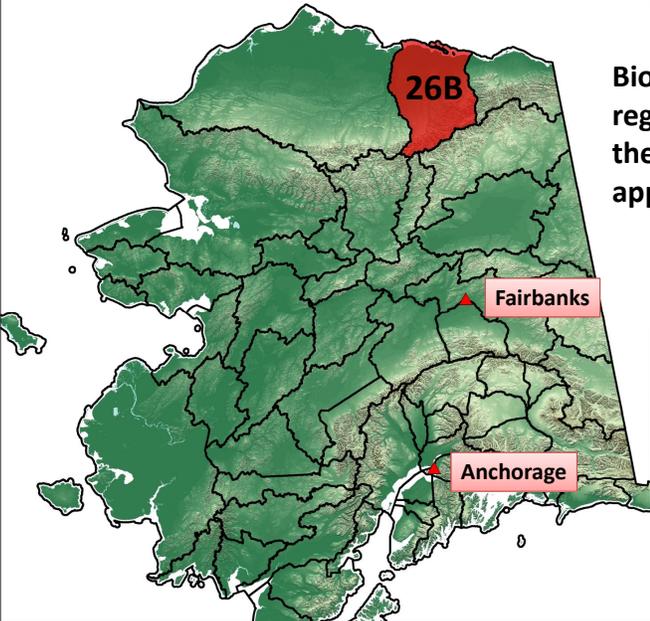
Proposal 80	Caribou/Unit 26B
<p style="text-align: center;"><b>PROPOSAL 80</b></p> <ul style="list-style-type: none"><li>• Increase resident hunting opportunity on the CAH in Unit 26B, Remainder</li><li>• Decrease nonresident hunting opportunity on CAH in Unit 26B</li></ul> <p><u>Submitted by:</u> Public</p> <p><u>Department Recommendation</u></p> <ul style="list-style-type: none"><li>• <b>NEUTRAL</b> on resident season &amp; bag limit</li><li>• <b>OPPOSE</b> on registration cow hunt</li><li>• <b>NEUTRAL</b> on decreasing nonresident opportunity</li></ul> <p style="text-align: right;">36</p>	

36

Proposal 80	Caribou/Unit 26B
<p><b><u>Effect of Proposal:</u></b></p> <p>In Unit 26B remainder,</p> <p><b>For Residents:</b></p> <ul style="list-style-type: none"> <li>• Increase bag limit for caribou from 2 bulls to 5 bulls</li> <li>• Open season on 1 July vs 1 August</li> <li>• Open a limited registration hunt for 1 cow, 15 Aug—30 Mar with 5-day reporting period</li> </ul> <p><b>For Nonresidents:</b></p> <ul style="list-style-type: none"> <li>• Decrease nonresident hunting opportunity                             <ul style="list-style-type: none"> <li>➤ No more than 10% of total harvest; registration permit; 5-day reporting period</li> </ul> </li> </ul>	

Proposal 80	Caribou/Unit 26B
<p><b><u>Proponent's Issues:</u></b></p> <ul style="list-style-type: none"> <li>• Harvest opportunity for residents was reduced in RY17, while still providing nonresident hunting opportunity</li> <li>• Low participation by residents because of reduced bag limits (bulls and cows)</li> <li>• Majority of CAH harvest is taken by nonresidents</li> <li>• CAH is an IM population and is below population objective</li> <li>• Nonresidents should not harvest more than 10% of total harvest</li> <li>• Nonresidents should be on a permit system</li> </ul>	

**Proposal 80** **Caribou/Unit 26B**



Biological data & regulations presented in the previous proposal 79 applies to this proposal



39

**Proposal 80** **Caribou/Unit 26B**

**CAH IM Population Objective: 28,000–32,000**

- **2019 CAH Population Size: 30,096**
- **2017 CAH Population Size: 28,051**



40

Proposal 80		Caribou/Unit 26B	
<b>Harvest of CAH by Residency</b>			
<u>Residency</u>	<u>R Y17–R Y18 Harvest</u>	<u>Hunters</u>	<u>Success Rate</u>
Unit 26A Residents	100	na	na
Unit 24B Residents	100–200	na	na
Other Alaska Residents	113	322	31%
Nonresident	109	232	48%
<b>Total</b>	<b>422–522 (60–90 cows)</b>		
Allowable harvest= <u>900</u> caribou; ≤ 75 cows			

Proposal 80		Caribou/Unit 26B	
<b>Proportion of Harvest by Residency</b>			
<u>Residency</u>	<u>R Y17–R Y18 proportion of harvest</u>		
Unit 26A & 24B Residents	47–57%		
Other Alaska Residents	22–27%		
Nonresident	21–26%		

Proposal 80	Caribou/Unit 26B
<b>What is 10% of total harvest?</b>	
<u>Based on average harvest of RY17 &amp; RY18 :</u>	
222 (reported harvest)	
<u>200–300 (estimated harvest)</u>	
422–522 (total harvest)	
<b>42–52 bull harvest quota for nonresidents</b>	
43	

43

Proposal 80	Caribou/Unit 26B
<b>PROPOSAL 80</b>	
<ul style="list-style-type: none"><li>• Increase resident hunting opportunity on the CAH in Unit 26B, Remainder</li><li>• Decrease nonresident hunting opportunity on CAH in Unit 26B</li></ul>	
<u>Submitted by: Public</u>	
<u>Department Recommendation</u>	
<ul style="list-style-type: none"><li>• NEUTRAL on resident season &amp; bag limit</li><li>• OPPOSE on registration cow hunt</li><li>• NEUTRAL on decreasing nonresident opportunity</li></ul>	
North Slope AC:	
44	

44

Proposal 81	Caribou/Unit 26B
<b>PROPOSAL 81</b>	
<b>In Unit 26,</b>	
<ul style="list-style-type: none"><li>• <b>Increase nonresident bag limit for caribou from 1 bull to 2 bulls</b></li></ul>	
<b><u>Submitted by:</u> Public</b>	
<b><u>Department Recommendation:</u> NEUTRAL for Unit 26B</b>	
<b>North Slope AC:</b>	<b>45</b>

45

Proposal 81	Caribou/Unit 26B
<b><u>Effect of Proposal:</u></b>	
<ul style="list-style-type: none"><li>• <b>Increase nonresident hunting opportunity for caribou in Unit 26</b><ul style="list-style-type: none"><li>➤ <b>Unit 26A was addressed at Region V BOG</b></li><li>➤ <b>Unit 26C currently has a 2- bull caribou bag limit for nonresidents</b></li></ul></li></ul>	
	<b>46</b>

46

**Proposal 81** **Caribou/Unit 26B**

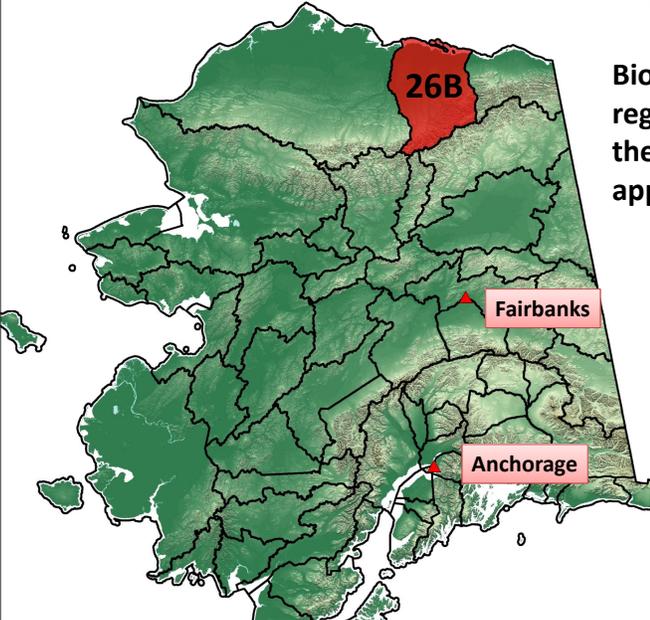
**Proponent's Issues:**

- Currently well below allowable harvest in 26B
- Reduced participation by nonresidents partially due to reduced bag limit beginning RY17
- No biological reason not to increase bag limit in 26B

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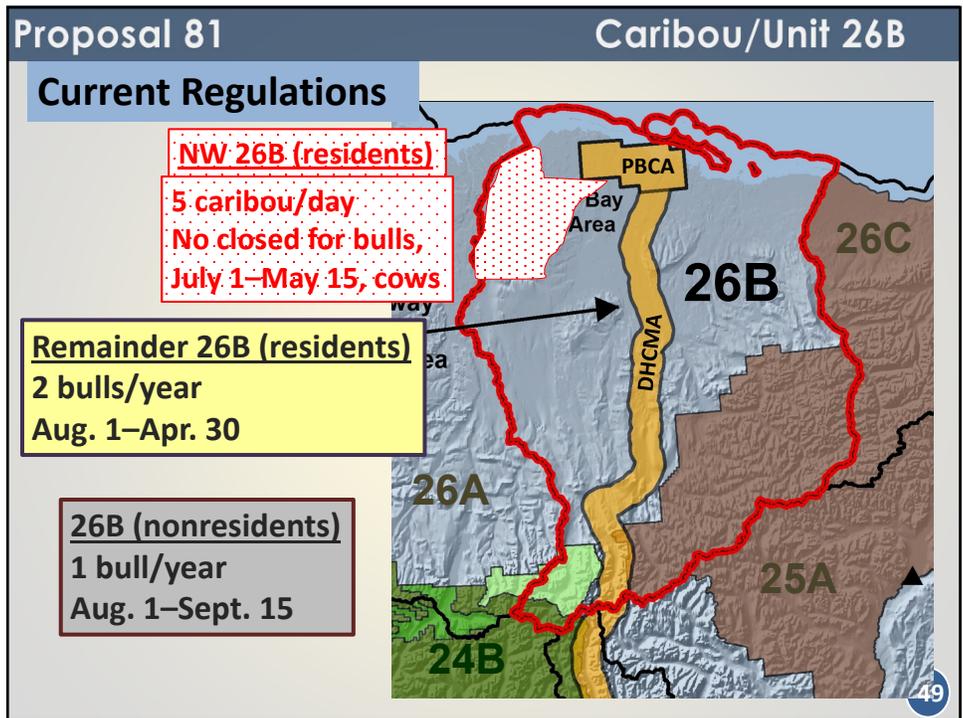
**Proposal 81** **Caribou/Unit 26B**



Biological data & regulations presented in the previous proposal 79 applies to this proposal

48

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**Proposal 81** **Caribou/Unit 26B**

**Harvest of CAH by Residency**

<u>Residency</u>	<u>RY17–RY18 Harvest</u>	<u>Hunters</u>	<u>Success Rate</u>
Unit 26A Residents	100	na	na
Unit 24B Residents	100–200	na	na
Other Alaska Residents	113	322	31%
Nonresident	109	232	48%
<b>Total</b>	<b>422–522 (60–90 cows)</b>		

**Allowable harvest= 900 caribou; ≤ 75 cows**

50

50

Proposal 81	Caribou/Unit 26B
<p><b>Nonresident hunters harvesting 2 bulls</b></p> <div style="border: 1px solid black; padding: 5px;"><p><b>Predict &lt; 50 additional caribou will be harvested with a 2-bull bag limit for nonresidents</b></p></div> <p style="text-align: right;">51</p>	

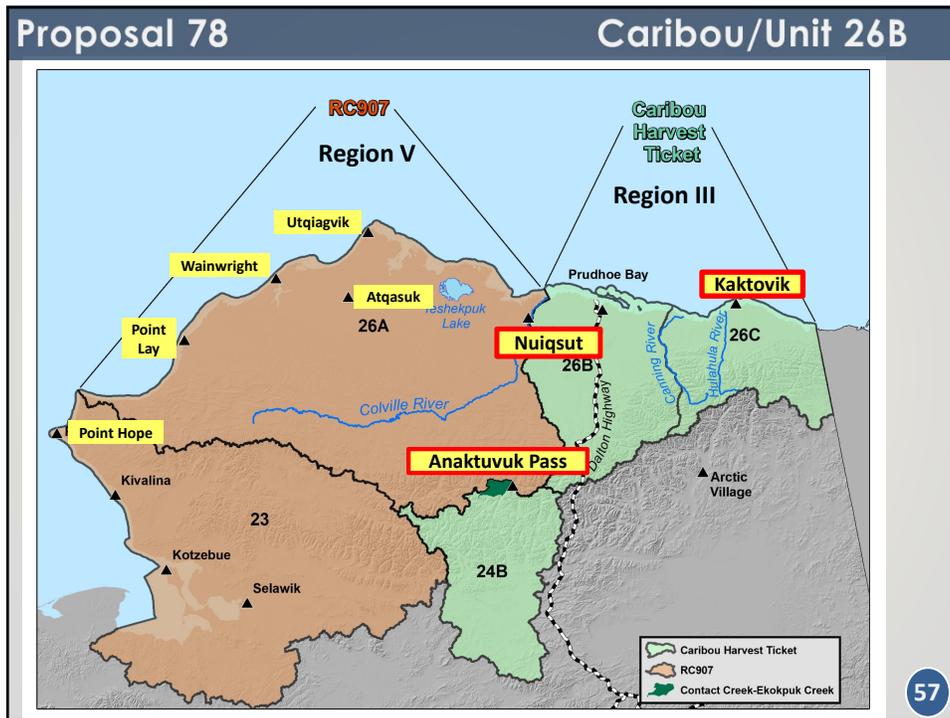
Proposal 81	Caribou/Unit 26B
<p style="text-align: center;"><b>PROPOSAL 81</b></p> <p><b>In Unit 26,</b></p> <ul style="list-style-type: none"><li>• <b>Increase nonresident bag limit for caribou from 1 bull to 2 bulls</b></li></ul> <p><b><u>Submitted by:</u> Public</b></p> <p><b><u>Department Recommendation:</u> NEUTRAL</b></p> <p style="text-align: right;">52</p>	

Proposal 78	Caribou/Units 24, 26B, 26C
<b>PROPOSAL 78</b>	
<p>Eliminate the requirement for North Slope residents to obtain the RC907 permit and general season caribou harvest tickets to hunt caribou and report their harvest in a portion of Units 23 &amp; 24B, and Units 26A, B, &amp; C.</p>	
<p><u>Submitted by:</u> North Slope Fish &amp; Game AC</p>	
<p><u>Department Recommendation:</u> Neutral</p>	
<b>53</b>	

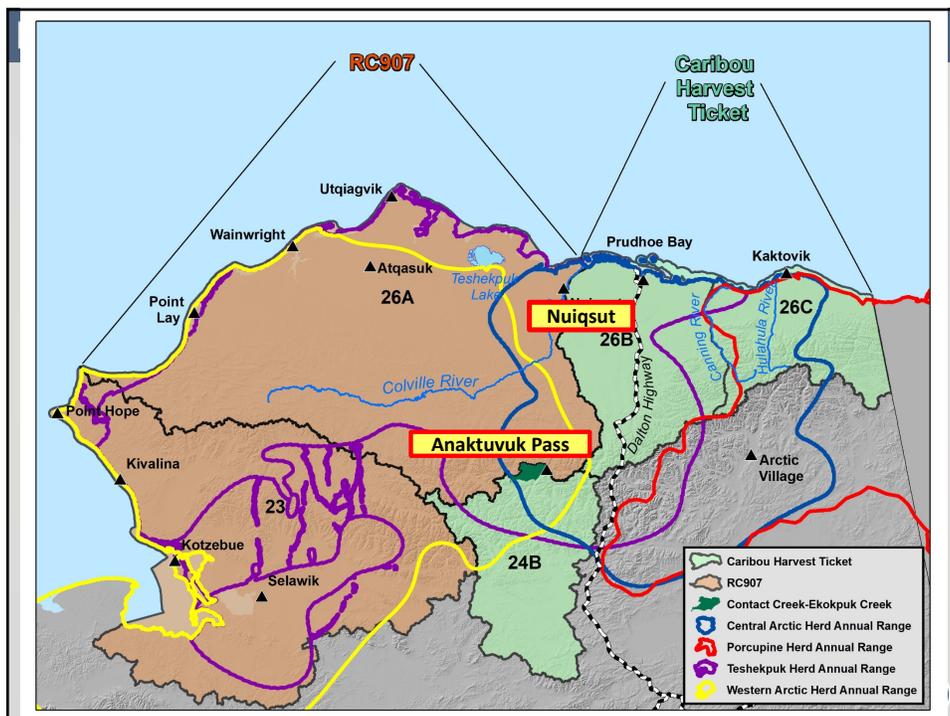
Proposal 78	Caribou/Unit 26B
<p><u>Effect of proposal:</u></p>	
<p>Eliminate RC907 permit and general season caribou harvest ticket requirement:</p>	
<ul style="list-style-type: none"><li>• In portions of Unit 23 and 24B, and in all of Units 26A, 26B, and 26C.</li><li>• For North Slope Residents (Point Hope, Anaktuvuk Pass, residents of Units 26A, 26B &amp; 26C)</li></ul>	
<b>54</b>	

Proposal 78	Caribou/Unit 26B
<p><b><u>Proponent's Issues:</u></b></p> <ul style="list-style-type: none"><li>• North Slope residents are hesitant to report harvest to outside agencies, resulting in poor harvest data for ADFG</li><li>• NSB DWM is collecting harvest data via household surveys</li></ul> <p>55</p>	

Proposal 78	Caribou/Unit 26B
<p><b><u>Regulations during mid-1980s–2015:</u></b></p> <p><b>When hunting caribou:</b></p> <p>Hunters residing north of the Yukon River must register to hunt north of the Yukon River (no reporting requirement).</p> <p><b><u>Current Region III Regulations, 2016–Present:</u></b></p> <p>Harvest ticket is required to hunt caribou in Units 24B, 26B, and 26C (and all Region III units).</p> <p>56</p>	



57



58

<b>Proposal 78</b>	<b>Caribou/Unit 26B</b>
<b><u>Harvest Data are Necessary</u></b>	
<ul style="list-style-type: none"><li>• <b>To be able to manage animal populations being used by humans</b><ul style="list-style-type: none"><li>➤ Prevent/slow (or not contribute to) a population decline</li><li>➤ Prevent loss of hunting opportunity</li></ul></li> <li>• <b>Address allocation and user conflict issues</b></li> <li>• <b>Understanding animal population dynamics</b></li></ul>	
<b>59</b>	

59

<b>Proposal 78</b>	<b>Caribou/Unit 26B</b>
<b>Methods Used to Obtain Harvest Data</b>	
<ol style="list-style-type: none"><li>1. <b>Tier II, Registration, Draw Permits</b><ul style="list-style-type: none"><li>• Hunters must report or there is a potential penalty (FTR)</li><li>• ADF&amp;G follows up w/emails &amp; phone calls</li><li>• ADF&amp;G receive 95%+ of data—very good reporting</li></ul></li></ol>	
<b><i>For animal populations requiring close monitoring or when user conflicts are high</i></b>	
<b>60</b>	

60

Proposal 78	Caribou/Unit 26B
<i>Methods Used to Obtain Harvest Data cont'd</i>	
<b>2. Harvest Tickets</b>	
<ul style="list-style-type: none"><li>• Reporting requirement but no penalty</li><li>• Reminder letters from ADF&amp;G</li><li>• In 2018, ADF&amp;G received 85%+ of data on caribou</li></ul>	
<p style="border: 1px solid blue; padding: 5px; text-align: center;"><i>For animal populations requiring less close monitoring</i></p>	
<span style="border: 1px solid blue; border-radius: 50%; padding: 2px 5px;">61</span>	

61

Proposal 78	Caribou/Unit 26B
<i>Methods Used to Obtain Harvest Data cont'd</i>	
<b>3. Household Surveys</b>	
<ul style="list-style-type: none"><li>• Division of Subsistence</li><li>• NSB Dept of Wildlife Management</li><li>• Industry/Consultants</li></ul>	
<span style="border: 1px solid blue; border-radius: 50%; padding: 2px 5px;">62</span>	

62

**Proposal 78** **Caribou/Unit 26B**

*Methods Used to Obtain Harvest Data cont'd*

**4. Need to investigate new methods for future**

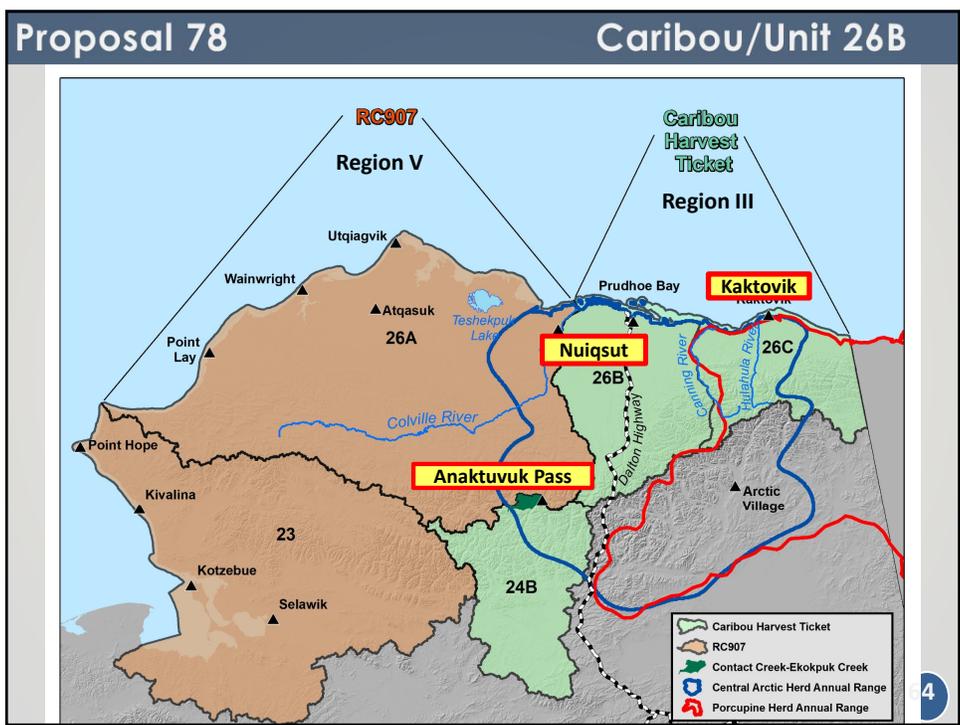
- Use technology
- Collaborate

*May need to think outside*

**the box**

63

63



64

Proposal 78	Caribou/Unit 26B
<b>Results of harvest tickets for CAH for RY17 &amp; RY18</b>	
<u>Average reported harvest from harvest tickets:</u>	
Residents: 113	
Nonresidents: 109	
<u>Estimated harvest from household surveys &amp; caribou distribution:</u>	
Unit 26A Residents: 100	
Unit 24B Residents: 100–200	
<i>Approximately half (or less) of the harvest is reported on harvest tickets</i>	
65	

Proposal 78	Caribou/Unit 26B
<b>CAH objective</b>	
<ul style="list-style-type: none"><li>• Currently restricting harvest on this herd to allow growth</li></ul>	
	
66	

Proposal 78	Caribou/Unit 26B
<b>Results of harvest tickets for PCH for RY17 &amp; RY18</b>	
<u>Average reported harvest from harvest tickets:</u>	
Residents: 48	
Nonresidents: 60	
<u>Estimated harvest from household surveys &amp; caribou distribution:</u>	
Unit 25A, 25B, 25D Residents: 300–550	
Unit 26C Residents: 100–150	
<i>Less than 1/3 of the harvest is reported on harvest tickets</i>	
	
67	

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Proposal 78	Caribou/Unit 26B
<b>CONCLUSION</b>	
<ul style="list-style-type: none"><li>• Harvest tickets have only been required since 2016<ul style="list-style-type: none"><li>➤ In some rural areas, harvest tickets are successful</li></ul></li><li>• If use of harvest tickets by North Slope communities is successful; it will likely take many years</li></ul>	
	
<i>Requirement of harvest tickets may help to emphasize the importance of obtaining harvest data on a regular basis</i>	
68	

68

## Proposal 78

Caribou/Units 24, 26B, 26C

### **PROPOSAL 78**

Eliminate the requirement for North Slope residents to obtain the RC907 permit and general season caribou harvest tickets to hunt caribou and report their harvest in a portion of Units 23 & 24B, and Units 26A, B, & C.

Submitted by: North Slope Fish & Game AC

Department Recommendation: Neutral

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## Proposal 82 AVSMA

Establish, in state regulation, the Arctic Village Sheep Management Area in Unit 25A, open a new resident and non-resident drawing permit hunt, and change the bag limit for a portion of RS595 (additional regulatory components)

Proposed By: Public

Department Recommendation: Support to provide additional opportunity, Neutral regarding allocative aspects

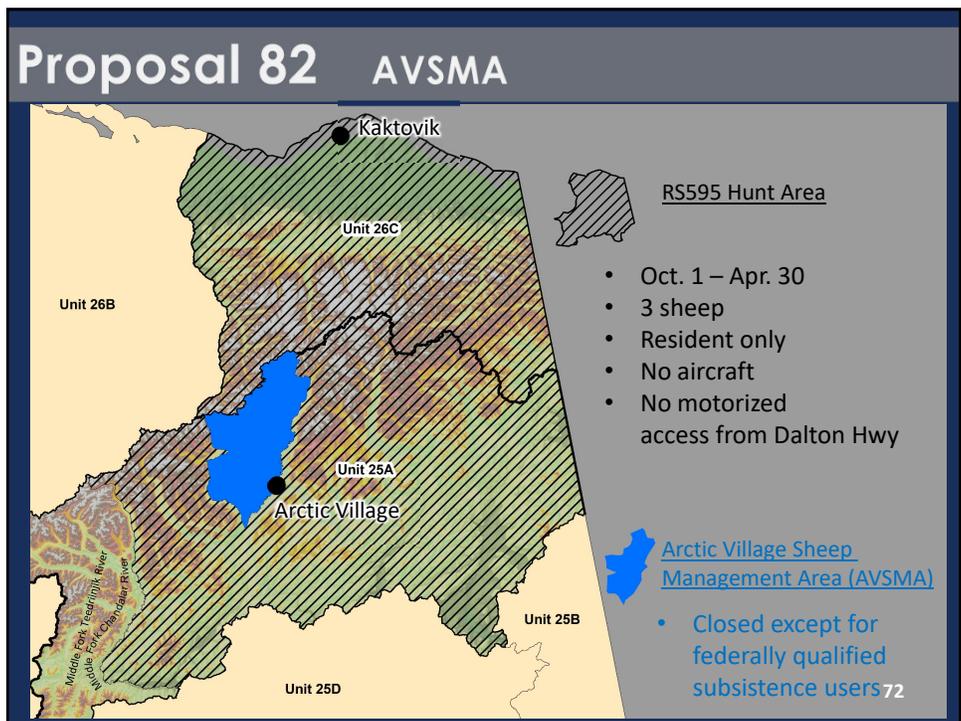
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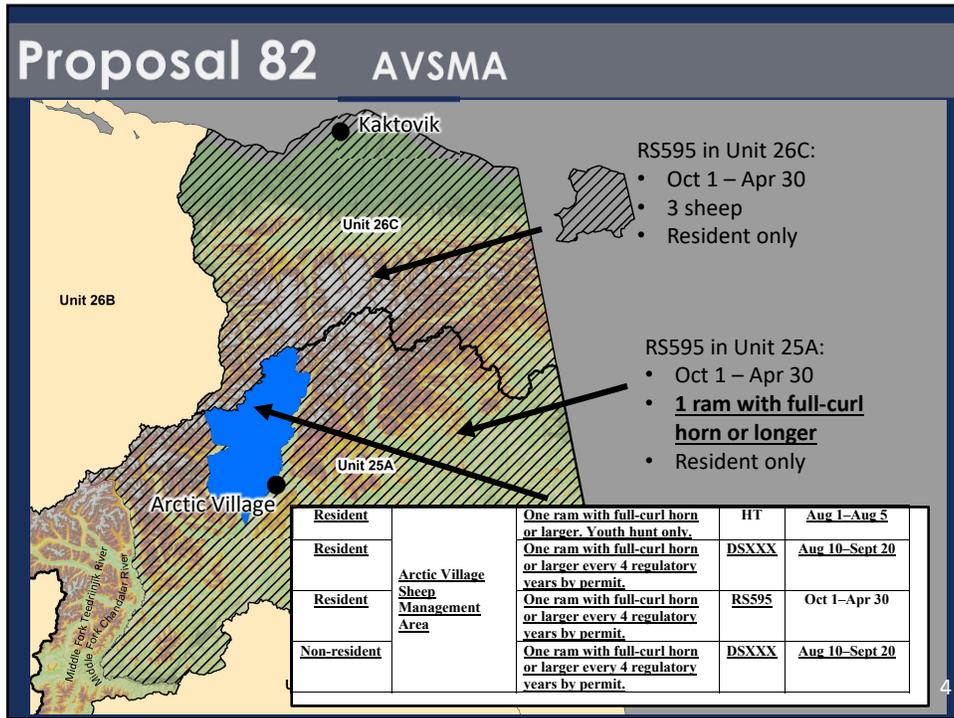
## Proposal 82 AVSMA

Unit 25A – Sheep, proposed changes				
Resident	East of Middle	One ram with full-curl horn or larger. Youth hunt only	HT	Aug 1–Aug 5
Resident	Fork of Chandalar River, <b>excluding the Arctic Village</b>	One ram with full-curl horn or larger.	HT	Aug 10–Sept 20
Resident	<b>Arctic Village Sheep Management Area</b>	[THREE SHEEP] <b>One ram with full-curl horn or larger</b> by permit.	RS595	Oct 1–Apr 30
Nonresident	<b>Area</b>	One ram with full-curl horn or larger every 4 regulatory years.	HT	Aug 10–Sept 20
<b>Resident</b>	<b>Arctic Village Sheep Management Area</b>	<b>One ram with full-curl horn or larger. Youth hunt only.</b>	<b>HT</b>	<b>Aug 1–Aug 5</b>
<b>Resident</b>		<b>One ram with full-curl horn or larger every 4 regulatory years by permit.</b>	<b>DSXXX</b>	<b>Aug 10–Sept 20</b>
<b>Resident</b>		<b>One ram with full-curl horn or larger every 4 regulatory years by permit.</b>	<b>RS595</b>	<b>Oct 1–Apr 30</b>
<b>Non-resident</b>		<b>One ram with full-curl horn or larger every 4 regulatory years by permit.</b>	<b>DSXXX</b>	<b>Aug 10–Sept 20</b>

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## Proposal 82 AVSMA

### Background

- AVSMA created in 1991 by Federal Subsistence Board.
- Closed to sheep hunting except by federally qualified subsistence hunters.
- AVSMA expanded to the north in 1995 to include Red Sheep and Cane creeks.
- Federal closure rescinded for Red Sheep and Cane creeks during 2006 – 2011.
- Federal closure reenacted for Red Sheep and Cane creeks in 2012, remained that way since.

74

## Proposal 82 AVSMA

### AVSMA Reported Harvest

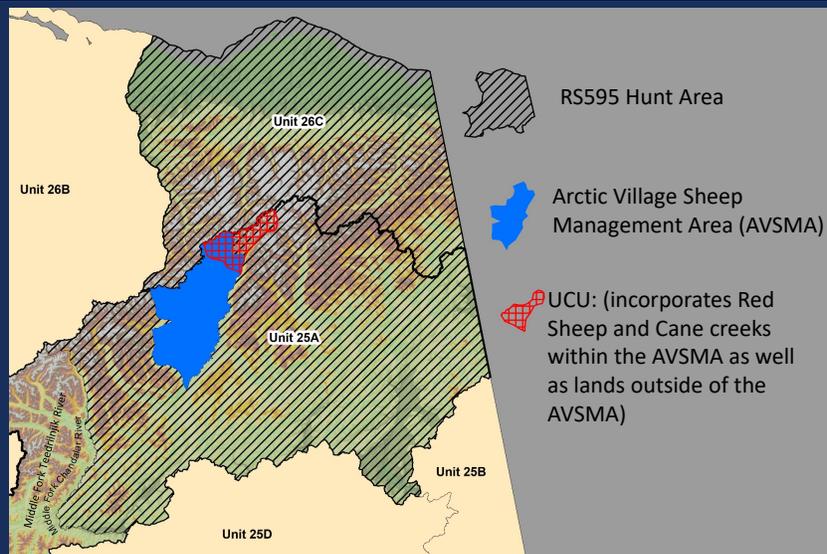
- USFWS Office of Subsistence Management report:
  - 33 federal permits issued from 1995 – 2017
  - Average = 1.4 permits/year
  - Total of 8 sheep harvested
  - Average = 0.3 sheep harvested/year

75

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## Proposal 82 AVSMA

### General Season Red Sheep and Cane creeks Reported Harvest



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## Proposal 82 AVSMA

### General Season Red Sheep and Cane creeks Reported Harvest

- 2006 – 2011 general season harvest ticket
  - 44 total hunters
  - Average = 6.7 hunters/year
  - 27 total sheep harvested
  - Average = 4.5 sheep harvested/year
  - Some harvest likely occurred outside of Red Sheep and Cane Creeks

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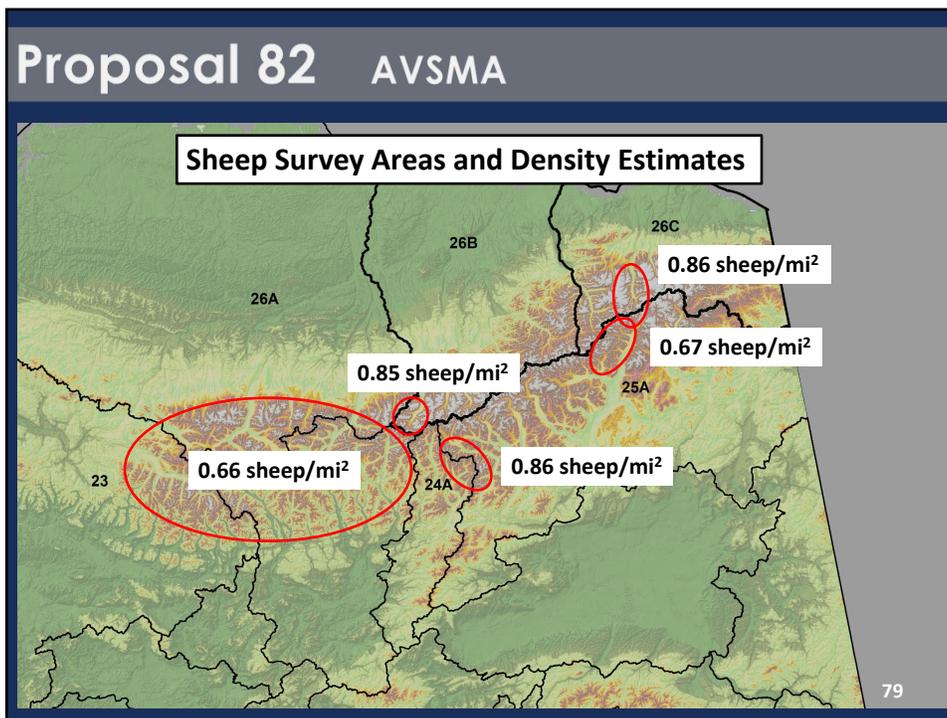
## Proposal 82 AVSMA

### RS595 Reported Harvest

- 2009 – 2018 RS595 permit hunt:
  - 111 total permits issued
  - Average = 11 permits/year
  - Average = 4 hunters/year
  - Average = 3 sheep harvested/year
  - 96% of harvest occurs in Unit 26C
  - 100% of harvest in March and April by snowmachine
  - Unreported harvest likely occurs

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## Proposal 82 AVSMA

Sheep abundance based on extrapolation from surveys

Area	Density (sheep/mi <sup>2</sup> )	Abundance (total sheep)
Units 23, 24, 25A, and 26	0.66–0.86 sheep/mi <sup>2</sup>	13,600–19,500 sheep
RS595 hunt area	0.67–0.86 sheep/mi <sup>2</sup>	6,200–8,200 sheep
RS595 hunt area (that portion of 25A only)	0.67–0.86 sheep/mi <sup>2</sup>	3,700–4,700 sheep
AVSMA	0.67 sheep/mi <sup>2</sup>	960 sheep

80

80

## Proposal 82 AVSMA

### C&T, ANS, and Harvestable Surplus

- Units 23, 24, 25A, and 26 have a positive finding for customary and traditional use of sheep
- Combined ANS of 75 – 125 Sheep = less than 1% of population
- Biologically sustainable

81

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## Proposal 82 AVSMA

### Department Comments

- No biological concern with any regulatory components
- A reduction in opportunity for the Unit 25A portion of RS595
- Evaluate whether reasonable opportunity for subsistence uses still exists?

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## Proposal 82 AVSMA

### Department Comments Cont.

- Would change the bag limit for a portion of the RS595 hunt area - may warrant two separate registration hunts
- 5AAC 92.003(i) Department approved hunter ethics course in a portion of the AVSMA (Red Sheep and Cane creeks)
  - maintain
  - modify
  - eliminate

83

83

## Proposal 82 AVSMA

### Department Comments Cont.

- Any regulatory changes made by this board regarding the AVSMA could not be implemented until the FSB rescinded the federal closure

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84

## Proposal 82 AVSMA

Establish, in state regulation, the Arctic Village Sheep Management Area in Unit 25A, open a new resident and non-resident drawing permit hunt, and change the bag limit for a portion of RS595 (additional regulatory components)

Proposed By: Public

Department Recommendation: Support to provide additional opportunity, Neutral regarding allocative aspects

85

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## Proposal 83 RS595 bag limit change

Modify the bag limit for sheep in the Unit 26C portion of the RS595 hunt area from 3 any sheep to 3 any sheep, however, rams must be  $\frac{3}{4}$  curl horn or smaller, excluding rams with both horns broken.

Proposed by: Public

Department Recommendation: Neutral

86

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## Proposal 83 RS595 bag limit change

Unit 26B

Unit 24A

Arctic Village

Unit 25D

Unit 25B

Unit 26C

Unit 25A

Kaktovik

RS595 Hunt Area

RS595

- Oct. 1 – Apr. 30
- 3 sheep
- Resident only
- No aircraft
- No motorized access from Dalton Hwy

87

87

## Proposal 83 RS595 bag limit change

Unit 26B

Unit 24A

Arctic Village

Unit 25D

Unit 25B

Unit 26C

Unit 25A

Kaktovik

RS595 Hunt Area

- Oct. 1 – Apr. 30
- **3 sheep (rams < ¾ curl)**
- Resident only
- No aircraft
- No motorized access from Dalton Hwy

- Oct. 1 – Apr. 30
- 3 sheep
- Resident only
- No aircraft
- No motorized access from Dalton Hwy

88

88

## Proposal 83 RS595 bag limit change

### Survey Data

- No surveys conducted to estimate sheep abundance in the RS595 hunt area or at the subunit level
- Sheep surveys (USFWS) in portions of Unit 25A and 26C indicates a sheep density of 0.67 – 0.87 sheep/mi<sup>2</sup>
- Extrapolated abundance of 3,500 sheep in Unit 26C and 6,200 – 8,200 sheep in the RS595 hunt area

89

89

## Proposal 83 RS595 bag limit change

### Harvest Data

- General Season, Unit 26C, 2009 – 2018:
  - 1,211 hunters harvested 650 sheep
  - Average 121 hunters/year
  - Average harvest = 65 sheep/year
  - Average success rate of 54%

90

90

## Proposal 83 RS595 bag limit change

### Harvest Data

- RS595 Hunt, 2009 – 2018:
  - Average 11 permits issued/year (range 6 – 16)
  - Average 4 hunters/year (range 1 – 8)
  - Average harvest = 3 sheep/year (range 0 – 7)
  - 93% of harvest = rams
  - Average age of harvested rams = 8.1 (range 3 – 11)
  - 96% of harvest occurs in Unit 26C
  - 100% of harvest occurs in March and April
  - 100% of transportation = snowmachine
  - Unreported harvest likely occurs by local residents

91

91

## Proposal 83 RS595 bag limit change

### Customary and Traditional Use

#### Amounts Reasonably Necessary for Subsistence Uses

- Units 23, 24, 25A, and 26 have a positive finding for customary and traditional use of sheep
- Combined amounts necessary for subsistence uses of 75 – 125 sheep

92

92

## Proposal 83 RS595 bag limit change

### Department Comments

- No biological concerns with current harvest levels or those that would be expected from a modified bag limit
- Allocative
- Reduction in opportunity, Board may wish to consider if reasonable opportunity is still provided
- Current harvest less than 1% of extrapolated sheep abundance

93

93

## Proposal 83 RS595 bag limit change

### Department Comments

- Would change the bag limit for a portion of the RS595 hunt area
- May warrant two separate registration hunts, or consider a change to the bag limit for the entire RS595 hunt area to maintain consistency

94

94

## Proposal 83 RS595 bag limit change

Modify the bag limit for sheep in the Unit 26C portion of the RS595 hunt area from 3 any sheep to 3 any sheep, however, rams must be  $\frac{3}{4}$  curl horn or smaller, excluding rams with both horns broken.

Proposed by: Public

Department Recommendation: Neutral

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## Proposal 84 DHCMA Sheep Season Ext.

Extend the Dall sheep hunting season in the Dalton Highway Corridor Management Area within Units 24A, 25A, and 26B from:

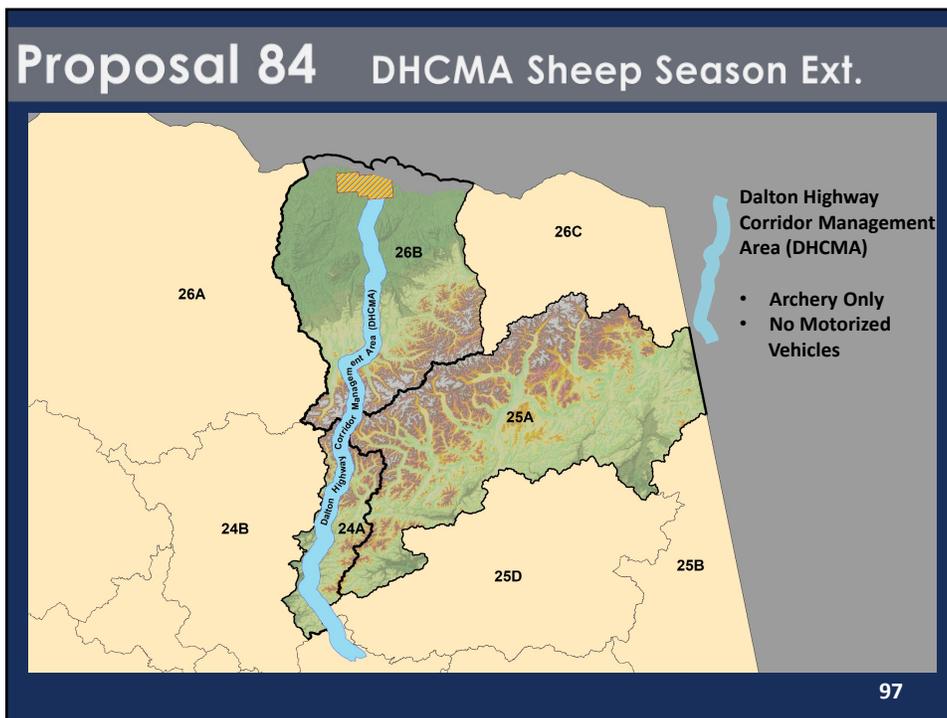
Aug. 10 – Sept. 20 to Aug. 10 – Oct 5.

Proposed By: Public

Department Recommendation: Support to provide additional opportunity, Neutral regarding allocation aspects

96

96



97

### Proposal 84 DHCMA Sheep Season Ext.

#### Survey Data

- No surveys conducted to estimate sheep abundance in the DHCMA
- Sheep surveys in other portions of the Brooks Range indicate sheep abundance fluctuates annually, but relatively stable
- Most recent surveys suggest sheep densities of 0.66 – 0.88 sheep/mi<sup>2</sup>

98

98

## Proposal 84 DHCMA Sheep Season Ext.

### Harvest Data

- Harvest with DHCMA unknown
- Units 24A, 25A, and 26B harvest, 2008 – 2018:
  - Total = 1,278 sheep
  - Average = 116 sheep/year
  - % harvest by bow and arrow = 3%
  - Average harvest by bow and arrow = 4 sheep/year
- Likely fewer than 4 sheep harvested annually in DHCMA

99

99

## Proposal 84 DHCMA Sheep Season Ext.

### Department Comments

- No biological concerns
- Additional harvest expected to be minimal and sustainable
- Season extension occurs prior to breeding (rut)

100

100

## Proposal 84 DHCMA Sheep Season Ext.

Extend the Dall sheep hunting season in the Dalton Highway Corridor Management Area within Units 24A, 25A, and 26B from:  
Aug. 10 – Sept. 20 to Aug. 10 – Oct 5.

Proposed By: Public

Department Recommendation: Support to provide additional opportunity, Neutral regarding allocation aspects

101

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## Proposal 85 DHCMA Registration Hunt

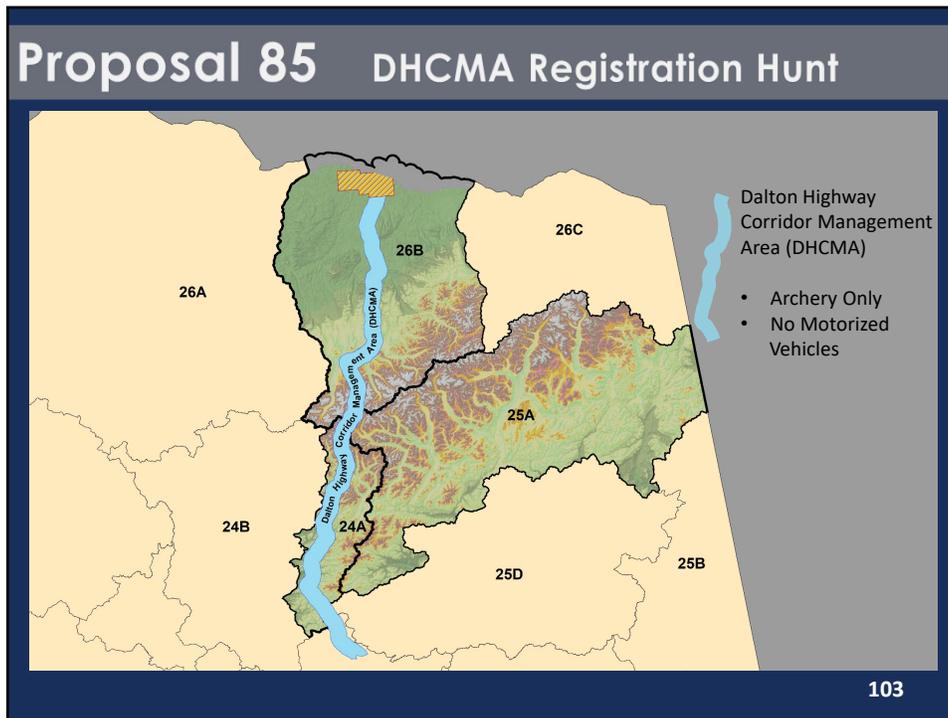
Create an archery-only registration sheep hunt in the Dalton Highway Corridor Management Area during Sept. 20 – Oct. 5 or during Sept. 25 – Oct 5.

Proposed By: Public

Department Recommendation: Support to provide additional opportunity, Neutral regarding allocation aspect

102

102



103

### Proposal 85 DHCMA Registration Hunt

#### Survey Data

- No surveys conducted to estimate sheep abundance in the DHCMA
- Sheep surveys in other portions of the Brooks Range indicates sheep abundance fluctuates annually, but relatively stable
- Most recent surveys suggest sheep densities of 0.66 – 0.87 sheep/mi<sup>2</sup>

104

104

## Proposal 85 DHCMA Registration Hunt

### Harvest Data

- Harvest with DHCMA unknown
- Units 24A, 25A, and 26B harvest, 2008 – 2018:
  - Total = 1,278 sheep
  - Average = 116 sheep/year
  - % harvest by bow and arrow = 3%
  - Average harvest by bow and arrow = 4 sheep/year
- Likely fewer than 4 sheep harvested annually in DHCMA

105

105

## Proposal 85 DHCMA Registration Hunt

### Department Comments

- No biological concerns
- Additional harvest expected to be minimal and sustainable
- Season extension occurs prior to breeding (rut)
- A registration hunt would create a requirement that is unnecessary (general harvest ticket is adequate)

106

106

## **Proposal 85** DHCMA Registration Hunt

**Create an archery-only registration sheep hunt in the Dalton Highway Corridor Management Area during Sept. 20 – Oct. 5 or during Sept. 25 – Oct 5.**

**Proposed By: Public**

**Department Recommendation: Support to provide additional opportunity, Neutral regarding allocation aspect**

107