Unit 11 and 13
PROPOSALS

RIV Board of Game
8-15 February 2013
Becky Schwanke, AB
Frank Robbins, Asst. AB
Glennallen
Proposal 62

EFFECT: Reauthorize the antlerless moose hunt for Unit 13, season dates 1 – 20 September.

The only subunit with a proposed antlerless hunt for RY13 is 13A (10 permits offered, the same as RY12).

DEPARTMENT RECOMMENDATION: Department Proposal - **Adopt**
Unit 13
TOTAL BULL and COW MOOSE OBSERVED
IN CONTINUOUS COUNT AREAS

Observed number of moose


- Cows
- Bulls
• 2012 population estimate 18,195 (17,285 – 20,015) down ~ 4% from 2011 (due to less calves)

• Annually, 8-15% of the population is calves

**POPULATION OBJECTIVE 17,600 – 21,900**
Unit 13 Moose Harvest by subunit

(13D is not included in the Intensive Management Area)
### Unit 13
Moose Harvest by Subunit

<table>
<thead>
<tr>
<th>Objectives</th>
<th>13A</th>
<th>13B</th>
<th>13C</th>
<th>13D</th>
<th>13E</th>
</tr>
</thead>
<tbody>
<tr>
<td>RY11 harvest</td>
<td>293</td>
<td>268</td>
<td>133</td>
<td>83</td>
<td>180</td>
</tr>
</tbody>
</table>

- This antlerless hunt was first held in 2012
  - 10 permits were issued in 13A west
  - 10 permittees reported hunting
  - 4 cows were harvested

- For the 2012 hunt, a total of 1,268 applications were received
- For the 2013 hunt, a total of 2,452 applications were received
The only proposed antlerless hunt for RY13 is in 13A west.
The 2012 population estimate for 13A is 3,650 (within objective 3,500 – 4,200).
The 2012 density estimate for 13A west is 1.6 moose / mi² (1.1 cows / mi²).
2012-13
Subunit 13A
Antlerless Drawing Hunt (DM325)
Proposal 62
Summary

EFFECT: Reauthorize the antlerless moose hunt for Unit 13, season dates 1 – 20 September.

The only subunit with a proposed antlerless hunt for RY13 is 13A (10 permits offered, the same as RY12).

DEPARTMENT RECOMMENDATION: Department Proposal - Adopt
Proposal 63

EFFECT: Changes the Unit 13 Antlerless moose hunt

Existing Regulation
- Season 1–20 September
- Currently offered only in 13A west (could be offered for all of Unit 13)

Proposed
- Seasons 1–31 October and 1–31 March
- To be offered only for subunits 13A, 13B, 13C, and 13E
- Establish thresholds for holding the hunts
- Establish harvest rates

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
- Copper Basin support 11-0
- Tok Cutoff support 3-1
- Paxson opposed
- Denali did not meet
Considerations

• All existing state moose hunts in Unit 13 occur 1 – 20 September, new hunts would be outside these dates

• No antlerless hunts would be held in low density area subunit 13D

• Threshold for offering antlerless hunts when subunit populations meet or exceed the midpoint of the objective range

• Proposal offers a harvest rate guideline of up to 1% of cows
Proposal 63
Summary

EFFECT: Changes the Unit 13 Antlerless moose hunt

Existing Regulation
- Season 1– 20 September
- Currently offered only in 13A west

Proposed
- Seasons 1 – 31 October and 1 – 31 March
- For only subunits 13A, 13B, 13C, and 13E
- Establish thresholds for holding the hunts
- Establish harvest rates

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 64

EFFECT: Changes the Unit 13 Antlerless moose hunt

Existing Regulation
- Season 1–20 September
- Currently offered only in 13A west

Proposed
- Season 5–15 August
- Youth hunt, ages 10 to 17
- Offered only for 13A
- Establish 1% harvest rate

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
Copper Basin opposed 0-11
Tok Cutoff opposed 0-4
Paxson opposed
Denali did not meet
Unit 13
Moose and Caribou Subsistence Hunting

Related Upcoming Proposals

73 – Tier I caribou hunt conditions
72 – Tier I caribou hunt conditions

65 – CSH modifications
66 – CSH repeal/new moose hunts
67 – CSH repeal/new caribou hunt
68 – CSH modification – group size
69 – CSH moose any bull change
## Unit 13 Caribou Hunting
### Regulatory Year 2012-2013 (RY12)

<table>
<thead>
<tr>
<th>Hunt Type</th>
<th>Dates</th>
<th>Quota</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawing Bull (DC480-483)</td>
<td>Aug. 20 – Sept. 20</td>
<td>One bull</td>
</tr>
<tr>
<td></td>
<td>Oct. 21 – Mar. 31</td>
<td></td>
</tr>
<tr>
<td>Tier I Registration</td>
<td>Aug. 10 – Sept. 20</td>
<td>One caribou</td>
</tr>
<tr>
<td></td>
<td>Oct. 21 – Mar. 31</td>
<td></td>
</tr>
<tr>
<td>Community Subs. (CC001)</td>
<td>Aug. 10 – Sept. 20</td>
<td>Up to 300 caribou</td>
</tr>
<tr>
<td></td>
<td>Oct. 21 – Mar. 31</td>
<td></td>
</tr>
<tr>
<td>Federal Subs.</td>
<td>Aug. 1 – Sept. 30</td>
<td>Two caribou</td>
</tr>
<tr>
<td></td>
<td>Oct. 21 – Mar. 31</td>
<td></td>
</tr>
</tbody>
</table>

**All Hunts Remain Open**
Nelchina Caribou Harvest

Amount Reasonably Necessary for Subsistence 600 – 1,000
Intensive Management Objectives 3,000 – 6,000
# Unit 13 Moose Hunting

**Regulatory Year 2012-2013 (RY12)**

<table>
<thead>
<tr>
<th>Hunt Type</th>
<th>Season</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Season</td>
<td>Sept. 1 – 20</td>
<td>SF, 50”, 4 brow tines</td>
</tr>
<tr>
<td>Drawing Bull</td>
<td>Sept. 1 – 20</td>
<td>One bull</td>
</tr>
<tr>
<td>(DM330-334)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drawing Antlerless</td>
<td>Sept. 1 – 20</td>
<td>One antlerless moose, no calves</td>
</tr>
<tr>
<td>(DM325)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community Subs.</td>
<td>Aug. 10 – Sept. 20</td>
<td>One bull</td>
</tr>
<tr>
<td>(CM300)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Subs.</td>
<td>Aug. 1 – Sept. 20</td>
<td>One bull</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drawing Bull</td>
<td>Sept. 1 – 20</td>
<td>50”, 4 brow tines</td>
</tr>
<tr>
<td>(DM335-339)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Resident Hunts**

**NR**
Amount Reasonably Necessary for Subsistence 300 – 600
Intensive Management Objectives 1,050 – 2,180
### Caribou

- Most hunting under Tier II from 1991-2008
- ANS was “all harvestable”
- Registration hunt in 1996 and 1997 to reduce herd to objectives
  - 36,000 Tier I permits ‘96
  - 10,000 Tier II permits ‘96
  - 19,000 total hunters in ‘96

### Moose

- ANS of 600
- Tier II 1995-2008
  (150 permits)
- ANS change to 300-600
- General Season with antler restrictions

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**Both Species: Federal Seasons**
Problems

• **Tier II criteria and scoring**
  “Virtually since its inception, the Tier II subsistence permit system has been plagued with public complaints about inequities, unfairness, and false applications” (2006-170-BOG)

• **Lack of opportunity for many, including younger hunters**

• **Subsistence hunts not consistence with 8 criteria described by the Joint Boards**
  Many Unit 13 hunters are “not true subsistence users” (2006-170-BOG)
Attempted Solutions

- Tier II modifications
- Tier I modifications
- Salvage requirements
- Trophy destruction
- Non-subsistence area
- Community Subsistence Harvest – limited
- Community Subsistence Harvest – open
Community Subsistence Harvest Program

March 2009  Community Subs. Harvest (CSH) Area established based on Findings 2006-170-BOG
  - *Established CSH Moose Hunt (CM300)*
  - *Established CSH Caribou Hunt (CC001)*

June 2010  CSH hunts were stopped by the Court primarily due to a “local-residency” based eligibility requirements and procedural errors

Oct. 2010-  BOG re-established CSH hunts expanded
  March 2011  eligibility requirements (all AK residents) based on Findings 2011-184-BOG
Copper Basin CSH Harvest Area

Caribou hunt only Unit 13.

Moose hunt in Units 11, 13, and a portion of 12.
Communities/Groups must have a minimum of 25 Alaska resident members.

One permit issued per household.

No member of the household may apply for other state caribou permits, or moose permits outside of the CSH Hunt Area, or hunt moose or caribou outside of the CSH Hunt Area.

Hunters must salvage all edible meat from the forequarters, hindquarters, ribs, neck and backbone, as well as the heart, liver, kidneys, and fat.

Any member of the group may hunt on behalf of another member as a designated hunter.

Each group must submit an annual report and re-apply annually.
## CSH Caribou Hunt
### RY09-RY13

<table>
<thead>
<tr>
<th>Year</th>
<th>Groups</th>
<th>Households</th>
<th>Caribou Harvest</th>
</tr>
</thead>
<tbody>
<tr>
<td>RY09</td>
<td>1</td>
<td>477</td>
<td>127</td>
</tr>
<tr>
<td>RY10</td>
<td>No Hunt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RY11</td>
<td>6</td>
<td>338</td>
<td>87</td>
</tr>
<tr>
<td>RY12</td>
<td>17</td>
<td>403</td>
<td>137 prelim</td>
</tr>
<tr>
<td>RY13</td>
<td>29</td>
<td>690 est.</td>
<td></td>
</tr>
</tbody>
</table>
## CSH Caribou Groups By Regional Area

<table>
<thead>
<tr>
<th>Region</th>
<th>Number of Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RY11</td>
</tr>
<tr>
<td>Copper Basin</td>
<td>3</td>
</tr>
<tr>
<td>Anchorage</td>
<td>0</td>
</tr>
<tr>
<td>Mat-Su</td>
<td>2</td>
</tr>
<tr>
<td>Kenai</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>1</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>
## CSH Caribou Harvest
### By Regional Area

<table>
<thead>
<tr>
<th>Region</th>
<th>Total Caribou Harvested</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RY11</td>
</tr>
<tr>
<td>Copper Basin</td>
<td>53</td>
</tr>
<tr>
<td>Anchorage</td>
<td>8</td>
</tr>
<tr>
<td>Mat-Su</td>
<td>17</td>
</tr>
<tr>
<td>Kenai</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td>8</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>87</strong></td>
</tr>
</tbody>
</table>

*In RY11, 5 additional federal bulls were taken
*In RY12, federal harvest unknown
Communities/Groups must have a minimum of 25 Alaska resident members

One bull permit issued per household member

No member of the household may apply for other state moose permits, or caribou permits outside of the CSH Hunt Area, or hunt moose or caribou outside of the CSH Hunt Area

Must salvage all edible meat from the forequarters, hindquarters, ribs, neck and backbone, as well as the head, heart, liver, kidneys, stomach and hide

Any member of the group may hunt on behalf of another member as a designated hunter

Each group must submit an annual report and re-apply annually
## CSH Moose Hunt
### RY09-RY13

<table>
<thead>
<tr>
<th></th>
<th>Groups</th>
<th>Households</th>
<th>Individuals</th>
<th>Total Moose Harvest (Any Bull*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RY09</td>
<td>1</td>
<td>246</td>
<td>378</td>
<td>100 (70)</td>
</tr>
<tr>
<td>RY10</td>
<td>No Hunt</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RY11</td>
<td>9</td>
<td>416</td>
<td>814</td>
<td>86 (59)</td>
</tr>
<tr>
<td>RY12</td>
<td>19</td>
<td>466</td>
<td>982</td>
<td>98 (73)</td>
</tr>
<tr>
<td>RY13</td>
<td>49</td>
<td>1200 est.</td>
<td>2500 est.</td>
<td></td>
</tr>
</tbody>
</table>

*In 2009 up to 100 “any bulls” could be taken.*

*In 2011 the limit changed to 70 “any bulls” due to reduced bull ratios.*
## RY11 CSH Moose Hunt Summary

<table>
<thead>
<tr>
<th>Quota</th>
<th>Any Bull</th>
<th>Any Bull</th>
<th>Federal</th>
<th>SF, 50”</th>
<th>EO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Harvest</td>
<td>Harvest</td>
<td>Harvest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13A</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td>17-Aug</td>
</tr>
<tr>
<td>13B Denali</td>
<td>6</td>
<td>4</td>
<td></td>
<td>4</td>
<td>12-Aug</td>
</tr>
<tr>
<td>13B Remainder</td>
<td>14</td>
<td>6</td>
<td>3</td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>13C</td>
<td>10</td>
<td>13</td>
<td></td>
<td>7</td>
<td>none</td>
</tr>
<tr>
<td>13D</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>3</td>
<td>17-Aug</td>
</tr>
<tr>
<td>13E</td>
<td>15</td>
<td>20</td>
<td></td>
<td>4</td>
<td>none</td>
</tr>
<tr>
<td>GMU 11</td>
<td>10</td>
<td>1</td>
<td></td>
<td>2</td>
<td>none</td>
</tr>
<tr>
<td>GMU 12 Portion</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>70</td>
<td>59</td>
<td>5</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>
## RY12 CSH Moose Hunt Summary

<table>
<thead>
<tr>
<th>Quota</th>
<th>Any Bull Harvest</th>
<th>Federal Harvest</th>
<th>SF, 50” Harvest</th>
<th>EO Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>15</td>
<td>7</td>
<td>15-Aug</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>22</td>
<td>1</td>
<td>3-Sept</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>14</td>
<td>4</td>
<td>17-Sept</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>4</td>
<td>28-Aug</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>15</td>
<td>8</td>
<td>13-Sept</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>0</td>
<td>1</td>
<td>17-Sept*</td>
<td></td>
</tr>
<tr>
<td>GMU 11</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>GMU 12 Portion</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>70</td>
<td>73</td>
<td>3</td>
<td>25</td>
</tr>
</tbody>
</table>
# CSH Moose Groups
## By Regional Area

<table>
<thead>
<tr>
<th>Region</th>
<th>RY11</th>
<th>RY12</th>
<th>RY13 Prelim</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Basin</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Anchorage</td>
<td>1</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>Mat-Su</td>
<td>2</td>
<td>8</td>
<td>22</td>
</tr>
<tr>
<td>Kenai</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Other</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>9</strong></td>
<td><strong>19</strong></td>
<td><strong>49</strong></td>
</tr>
</tbody>
</table>
## CSH Moose Harvest
### By Regional Area

<table>
<thead>
<tr>
<th>Region</th>
<th>Total Moose Harvested (Any Bulls)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RY11</td>
</tr>
<tr>
<td>Copper Basin</td>
<td>56 (39)</td>
</tr>
<tr>
<td>Anchorage</td>
<td>13 (7)</td>
</tr>
<tr>
<td>Mat-Su</td>
<td>14 (11)</td>
</tr>
<tr>
<td>Kenai</td>
<td>3 (2)</td>
</tr>
<tr>
<td>Other</td>
<td>0 (0)</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>86 (59)</strong></td>
</tr>
</tbody>
</table>

*In RY11, 5 additional federal bulls were taken
*In RY12, 3 additional federal bulls were taken
CSH Subsistence Review

• Annual Reports are required for each group and hunt

• Reports are reviewed by Department staff
  o evaluate the extent to which each group is attempting to participate in and establish a pattern of subsistence
  o evaluated based on 8 subsistence criteria

• Reports receive approval or conditional approval,

  In RY11, 4 of the 15 reports received conditional approval.

  For RY12, 18 moose reports have been received but not yet evaluated. The caribou hunt remains open.
### New Caribou Problems

- Population **44,000 caribou** (objective of **35,000 – 40,000**)
- The RY12 quota was **5,500 caribou** (harvest to date is ~ **3,800**)
- Increasing number of Tier I caribou applications each year

### Possible Solutions

**When necessary:**

- Liberalize the drawing hunt bag limit to either sex
- Eliminate the cap on number of drawing permits that can be issued (currently 3,000)
- Increase bag limit to 2 caribou for any or all hunts
- Allow harvest in other units (GMUs 12, 14, and 20)
- Require multi-year participation
New Moose Problems

• Increasing number of Tier I CSH moose applications each year

• Administrating the moose hunt and communicating with groups of this magnitude will be extremely challenging

• Quick take of any bull quota

Possible Solutions

• Modify eligibility requirements

• Require participation in both moose and caribou CSH hunts

• Require multi-year participation

• Increase minimum group size

• Increase any bull quota

• 1 “any bull” moose / household
Proposal 73

EFFECT:

- Eliminate the Unit 13 Tier I Nelchina Caribou hunt (RC566) requirement that permittees may not hunt caribou or moose outside Unit 13 during the same regulatory year.

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Copper Basin *did not vote, supported #72*
Tok Cutoff *did not vote, opposed #72*
Paxson *support*
Denali *did not meet*
Unit 13 Moose
Bulls Observed in Count Areas and Hunter Numbers

Bulls

Hunters

Bulls Observed

Hunter Numbers

Nelchina Caribou hunts and conditions

**TIER I REGISTRATION (RC566)**
- One caribou permit per household
- Household limited to hunting moose and caribou in Unit 13

**COPPER BASIN CSH (Community Subsistence Harvest)**
- One caribou harvest ticket per household
- Household limited to hunting moose in CSH area, caribou in Unit 13
- Strict salvage requirements

**DRAWING HUNTS (DC480-483)**
- One bull permit per person
- Draw odds range from 10 – 30%
If Adopted, many drawing applicants would instead apply for the guaranteed Tier I permit. Instead of 7,000 Tier I applications, we would expect as many as 10,000 to 15,000 or more in coming years.

### Tier I (RC566) applications received:

<table>
<thead>
<tr>
<th>Reg Year</th>
<th>Applications</th>
<th>Permits Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>3,323</td>
<td>500</td>
</tr>
<tr>
<td>2010</td>
<td>3,888</td>
<td>1,151</td>
</tr>
<tr>
<td>2011</td>
<td>3,274</td>
<td>3,148</td>
</tr>
<tr>
<td>2012</td>
<td>5,391</td>
<td>5,045</td>
</tr>
<tr>
<td>2013</td>
<td>7,041</td>
<td></td>
</tr>
</tbody>
</table>

### Drawing hunts (DC480-483) - no restrictions:

<table>
<thead>
<tr>
<th>Reg Year</th>
<th>Applications</th>
<th>Permits Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>12,888</td>
<td>1,125</td>
</tr>
<tr>
<td>2012</td>
<td>12,547</td>
<td>3,000</td>
</tr>
<tr>
<td>2013</td>
<td>16,693</td>
<td>3,000</td>
</tr>
</tbody>
</table>
Proposal 73
Summary

EFFECT:

- Eliminate the Unit 13 Tier I Nelchina Caribou hunt (RC566) requirement that permittees may not hunt caribou or moose outside Unit 13 during the same regulatory year.

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 72

EFFECT:

- Eliminate the Unit 13 Tier I Nelchina Caribou hunt (RC566) requirement that permittees may not hunt **moose** outside Unit 13 during the same regulatory year.

DEPARTMENT RECOMMENDATION: **Take No Action**

Advisory Committee votes
Copper Basin support 11-0
Tok Cutoff opposed 0-4
Paxson support
Denali did not meet
Proposal 65

EFFECT:

- Each CSH group would be separately evaluated for eligibility
- Each group would have the opportunity to help establish seasons and limits to meet their subsistence needs
- Each group’s quota would be managed independently from other group quotas and other Nelchina caribou hunts
- Eligibility for the Tier I Nelchina caribou hunt would change based on demonstrated C&T use of the area and resources

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Copper Basin support 11-0
Tok Cutoff no action
Paxson opposed to CSH 0-5
Denali did not meet
Proposal 66

EFFECT:

- Repeal the Unit 13 Copper Basin CSH moose hunt (CM300)
- Establish two resident moose hunts
  - A resident “weighted” drawing highway corridor hunt for bull or cow, and
  - A resident registration moose hunt for the area of Unit 13 outside of the highway corridor with spike/fork or 50” or 3 brow tines

DEPARTMENT RECOMMENDATION:

No Recommendation – allocation of moose hunting opportunity
Do Not Adopt – Road corridor hunt structure

Advisory Committee votes
Copper Basin opposed 0-11
Tok Cutoff opposed 0-4
Paxson did not vote
Denali did not meet
Bull Moose Observed in Unit 13 Count Areas
Bulls Harvested (all hunts)
Moose Composition Trends in Unit 13 Count Areas

- Spike/Fork, 50”, 4BT
- Spike/Fork, 50”, 3BT
- Added Any Bull Hunts

Bulls and Calves: 100 Cows


- Bulls: 100 Cows
- Calves: 100 Cows
Proposal 66
Summary

EFFECT:

- Repeal the Unit 13 Copper Basin CSH moose hunt (CM300)
- Establish two resident moose hunts
  - A resident “weighted” drawing highway corridor hunt for bull or cow, and
  - A resident registration moose hunt for the area of Unit 13 outside of the highway corridor with spike/fork or 50” or 3 brow tines

DEPARTMENT RECOMMENDATION:

No Recommendation – allocation of moose hunting opportunity
Do Not Adopt – Hunt structure
Proposal 67

EFFECT:

- Repeal the Copper Basin CSH hunt area
- Repeal the Unit 13 Tier I caribou hunts (CSH CC001 and RC566)
- Establish a weighted subsistence drawing hunt

DEPARTMENT RECOMMENDATION: Take No Action

Advisory Committee votes
Copper Basin opposed 0-11, needed description of ‘weighted’ drawing
Tok Cutoff opposed 0-4, needed description of ‘weighted’ drawing
Paxson did not vote
Denali did not meet
Proposal 68

EFFECT: Increase the minimum number of people necessary to establish a community subsistence harvest group/community from 25 to 50.

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
Copper Basin opposed 3-7-1
Tok Cutoff did not vote, questioned need for CSH
Paxson did not vote
Denali did not meet
<table>
<thead>
<tr>
<th>Group</th>
<th>Group Name</th>
<th>No. of Households</th>
<th>No. Individual Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tolsona Caribou</td>
<td>14</td>
<td>36</td>
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<td>2</td>
<td>Reed Lake</td>
<td>11</td>
<td>26</td>
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<tr>
<td>3</td>
<td>Cohoe Providers</td>
<td>26</td>
<td>38</td>
</tr>
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<td>4</td>
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<td>14</td>
<td>25</td>
</tr>
<tr>
<td>5</td>
<td>Russel</td>
<td>13</td>
<td>36</td>
</tr>
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<td>6</td>
<td>Cal's Group</td>
<td>11</td>
<td>30</td>
</tr>
<tr>
<td>7</td>
<td>Dalzell Clan</td>
<td>13</td>
<td>25</td>
</tr>
<tr>
<td>8</td>
<td>Ahtna Community Subsistence Harvest Prog.</td>
<td>148</td>
<td>271</td>
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<td>9</td>
<td>GMU 13 Traditional Users Group</td>
<td>18</td>
<td>38</td>
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<td>10</td>
<td>Matanuska Village</td>
<td>30</td>
<td>68</td>
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<tr>
<td>11</td>
<td>Lazy Mountain Hunters</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>12</td>
<td>Long Timers For Caribou</td>
<td>14</td>
<td>33</td>
</tr>
<tr>
<td>13</td>
<td>Alaska Sourdough Community</td>
<td>13</td>
<td>28</td>
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<tr>
<td>14</td>
<td>Kenny Lake Homesteaders</td>
<td>19</td>
<td>35</td>
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<td>15</td>
<td>Cordilleran</td>
<td>22</td>
<td>42</td>
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<tr>
<td>16</td>
<td>Meadow Lakes Nomads</td>
<td>19</td>
<td>34</td>
</tr>
<tr>
<td>17</td>
<td>Efficient Economical Harvest</td>
<td>8</td>
<td>33</td>
</tr>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>403</strong></td>
<td><strong>828</strong></td>
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</table>
### Moose - CSH groups for moose hunting in Units 11, 12, and 13 during regulatory year 2012.

<table>
<thead>
<tr>
<th>Group</th>
<th>Group Name</th>
<th>No. of Households</th>
<th>No. Individual Participants</th>
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<tbody>
<tr>
<td>1</td>
<td>Tolsona Moose</td>
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<td>3</td>
<td>Hendon</td>
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<tr>
<td>4</td>
<td>Russel</td>
<td>13</td>
<td>36</td>
</tr>
<tr>
<td>5</td>
<td>Urban Culture Delegation</td>
<td>50</td>
<td>101</td>
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<td>6</td>
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<td>Dalzell Clan</td>
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<td>8</td>
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<td>Matanuska Village</td>
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<td>11</td>
<td>Lazy Mountain Hunters</td>
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<td>30</td>
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<tr>
<td>13</td>
<td>Aksala</td>
<td>12</td>
<td>29</td>
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<tr>
<td>14</td>
<td>Alaska Sourdough Community</td>
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<td>28</td>
</tr>
<tr>
<td>15</td>
<td>Kenny Lake Homesteaders</td>
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<tr>
<td>16</td>
<td>Cordilleran</td>
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<td>40</td>
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<td>Wasilla Moose Hunters</td>
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<tr>
<td>18</td>
<td>Meadow Lakes Nomads</td>
<td>19</td>
<td>34</td>
</tr>
<tr>
<td>19</td>
<td>Efficient Economical Harvest</td>
<td>7</td>
<td>33</td>
</tr>
</tbody>
</table>

| Total | 460 | 969 |
Proposal 68

Summary

EFFECT: Increase the minimum number of people necessary to establish a community subsistence harvest group/community from 25 to 50.

DEPARTMENT RECOMMENDATION: **No Recommendation**
Proposal 69

EFFECT: Increase the limit of “any bulls” allowed for the Unit 13 Copper Basin CSH hunt from 70 to 100.

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
Copper Basin support 11-0
Tok Cutoff opposed 0-4
Paxson opposed
Denali did not meet
2012 Copper Basin Community Subsistence Harvest Hunt

Total Moose Harvested by Location

Legend
Moose Harvest
CSH2012
0
1
2
3
4
5
6
7
8

Highways
GMU Boundary
## 2012 “Any Bull” Harvest Limits and Take

<table>
<thead>
<tr>
<th>“Any Bull” Limit</th>
<th>“Any Bull” Take</th>
<th>Hunt Area</th>
<th>General Season Antler Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>None</td>
<td>Open portion of Unit 12</td>
<td>Spike/fork, or 50&quot; antlers, or 4 BT</td>
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<tr>
<td>12</td>
<td>15</td>
<td>subunit 13A</td>
<td>Spike/fork, or 50&quot; antlers, or 4 BT</td>
</tr>
<tr>
<td>17</td>
<td>22&lt;sup&gt;a&lt;/sup&gt;</td>
<td>subunit 13B</td>
<td>Spike/fork, or 50&quot; antlers, or 4 BT</td>
</tr>
<tr>
<td>10</td>
<td>14</td>
<td>subunit 13C</td>
<td>Spike/fork, or 50&quot; antlers, or 4 BT</td>
</tr>
<tr>
<td>8</td>
<td>7&lt;sup&gt;a&lt;/sup&gt;</td>
<td>subunit 13D</td>
<td>Spike/fork, or 50&quot; antlers, or 4 BT</td>
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<tr>
<td>13</td>
<td>15&lt;sup&gt;a&lt;/sup&gt;</td>
<td>subunit 13E</td>
<td>Spike/fork, or 50&quot; antlers, or 4 BT</td>
</tr>
<tr>
<td>10</td>
<td>0</td>
<td>Unit 11</td>
<td>Spike/fork, or 50&quot; antlers, or 3 BT</td>
</tr>
</tbody>
</table>

<sup>a</sup> Additional bulls taken by CSH hunters under the federal regulations: 1 in 13B, 1 in 13D, and 1 in 13E (preliminary data).
# CSH Moose
## 2011 and 2012
### Emergency Order Dates

<table>
<thead>
<tr>
<th>District</th>
<th>2011</th>
<th>2012</th>
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<tbody>
<tr>
<td>13A</td>
<td>August 17</td>
<td>August 15</td>
</tr>
<tr>
<td>13B Denali Highway</td>
<td>August 12</td>
<td>N/A</td>
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<tr>
<td>13B Remainder</td>
<td>None</td>
<td>September 3</td>
</tr>
<tr>
<td>13C</td>
<td>None</td>
<td>September 17</td>
</tr>
<tr>
<td>13D</td>
<td>August 17</td>
<td>August 28</td>
</tr>
<tr>
<td>13E</td>
<td>None</td>
<td>September 13</td>
</tr>
<tr>
<td>Unit 11</td>
<td>None</td>
<td>September 17</td>
</tr>
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</table>

**Season** August 10 – September 20

Emergency Orders change bag limit from “any bull” to the general season antler restrictions
<table>
<thead>
<tr>
<th>Subunit</th>
<th>Hunt</th>
<th>RY11</th>
<th>RY12 Prelim</th>
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<td>13A</td>
<td>General Season</td>
<td>265</td>
<td>168</td>
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<td></td>
<td>CSH</td>
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<td>10</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Federal</td>
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<td>unk</td>
</tr>
<tr>
<td>13B</td>
<td>General Season</td>
<td>170</td>
<td>109</td>
</tr>
<tr>
<td></td>
<td>CSH</td>
<td>16</td>
<td>23</td>
</tr>
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<td></td>
<td>Drawing</td>
<td>34</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Federal</td>
<td>48</td>
<td>unk</td>
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<td>13C</td>
<td>General Season</td>
<td>80</td>
<td>63</td>
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<td>CSH</td>
<td>20</td>
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<td>13D</td>
<td>General Season</td>
<td>58</td>
<td>27</td>
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<td></td>
<td>CSH</td>
<td>8</td>
<td>11</td>
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<td>3</td>
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<td></td>
<td>Federal</td>
<td>12</td>
<td>unk</td>
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<td>13E</td>
<td>General Season</td>
<td>145</td>
<td>97</td>
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<td>CSH</td>
<td>24</td>
<td>23</td>
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<td>Drawing</td>
<td>4</td>
<td>2</td>
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<td></td>
<td>Federal</td>
<td>7</td>
<td>unk</td>
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<tr>
<td>Unit 11</td>
<td>General Season/Regist.</td>
<td>34</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>CSH</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Federal</td>
<td>27</td>
<td>Unk</td>
</tr>
</tbody>
</table>
2012-13 CSH Copper Basin Moose Hunt

13E
31 Bulls:100 Cows

13B
34 Bulls:100 Cows

13C
30 Bulls:100 Cows

13A west
26 Bulls:100 Cows

13D
67 Bulls:100 Cows
Low density

11
30-84 Bulls:100 Cows
Low density

Call the CSH Hotline for up to date information 907-822-6789
Proposal 69

Summary

EFFECT: Increase the limit of “any bulls” allowed for the Unit 13 Copper Basin CSH hunt from 70 to 100.

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 70

EFFECT:

❖ Eliminate existing nonresident drawing hunts in Unit 13
  o 13A  DM335
  o 13B  DM336
  o 13C  DM337
  o 13D  DM338
  o 13E  DM339

❖ Establish a nonresident general season

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
Copper Basin opposed 0-11
Tok Cutoff opposed 0-4
Paxson tied 2-2-1
Denali did not meet
## Unit 13
Nonresident Moose Drawing Hunts
2009-2012

<table>
<thead>
<tr>
<th>RY</th>
<th>Applications Received</th>
<th>Permits awarded</th>
<th>% Drawn</th>
<th>Bulls Harvested</th>
<th>No. Hunters</th>
<th>% Success</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>224</td>
<td>50</td>
<td>22%</td>
<td>12</td>
<td>33</td>
<td>36%</td>
</tr>
<tr>
<td>2010</td>
<td>393</td>
<td>115</td>
<td>29%</td>
<td>13</td>
<td>60</td>
<td>22%</td>
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<tr>
<td>2011</td>
<td>428</td>
<td>65</td>
<td>15%</td>
<td>16</td>
<td>35</td>
<td>46%</td>
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<tr>
<td>2012</td>
<td>751</td>
<td>105</td>
<td>14%</td>
<td>9</td>
<td>56</td>
<td>16%</td>
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</table>

The current limit on nonresident permits is 150
# Unit 13
## Nonresident Moose Drawing Hunts
### 2012

<table>
<thead>
<tr>
<th>Subunit</th>
<th>Applications Received</th>
<th>Permits Available</th>
<th>% Drawn</th>
<th>Bulls Harvested</th>
<th>No. Hunters</th>
<th>% Success</th>
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<tbody>
<tr>
<td>13A</td>
<td>165</td>
<td>20</td>
<td>12%</td>
<td>1</td>
<td>9</td>
<td>11%</td>
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<tr>
<td>13B</td>
<td>173</td>
<td>25</td>
<td>14%</td>
<td>1</td>
<td>14</td>
<td>7%</td>
</tr>
<tr>
<td>13C</td>
<td>58</td>
<td>20</td>
<td>34%</td>
<td>2</td>
<td>10</td>
<td>20%</td>
</tr>
<tr>
<td>13D</td>
<td>176</td>
<td>20</td>
<td>11%</td>
<td>3</td>
<td>11</td>
<td>27%</td>
</tr>
<tr>
<td>13E</td>
<td>179</td>
<td>20</td>
<td>11%</td>
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<td>17%</td>
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<tr>
<td>Total</td>
<td>751</td>
<td>105</td>
<td>14%</td>
<td>9</td>
<td>56</td>
<td>16%</td>
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</tbody>
</table>
Unit 13 Moose Harvest by residency

Amount Reasonably Necessary for Subsistence for Unit 13 is 300 – 600 moose
The nonresident general hunt ended after 2001
Proposal 70

Summary

EFFECT:

- Eliminate existing nonresident drawing hunts in Unit 13
  - 13A DM335
  - 13B DM336
  - 13C DM337
  - 13D DM338
  - 13E DM339

- Establish a nonresident general season

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 71

EFFECT:

- Eliminate existing nonresident drawing hunts in Unit 13
  - 13A DM335
  - 13B DM336
  - 13C DM337
  - 13D DM338
  - 13E DM339

- Establish a nonresident drawing moose hunt in subunit 13B outside a 5-mile corridor on each side of the Richardson Highway.

DEPARTMENT RECOMMENDATION: **Take No Action**

Advisory Committee votes
- Copper Basin opposed 0-11
- Tok Cutoff opposed 0-4
- Paxson opposed 1-4
- Denali did not meet
Proposal 71

Summary

EFFECT:

- Eliminate existing nonresident drawing hunts in Unit 13
  - 13A DM335
  - 13B DM336
  - 13C DM337
  - 13D DM338
  - 13E DM339

- Establish a nonresident drawing moose hunt in subunit 13B outside a 5-mile corridor on each side of the Richardson Highway.

DEPARTMENT RECOMMENDATION: Take No Action
Proposal 75

EFFECT:

- Allow brown bear baiting over registered black bear bait stations in all of Unit 13

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
Copper Basin did not vote, supported #74
Tok Cutoff did not vote, supported #77
Paxson opposed 0-5
Denali did not meet
58% of bait stations are in Subunit 13D (RY09-RY11)
Proposal 75

Summary

EFFECT:

- Allow brown bear baiting over registered black bear bait stations in all of Unit 13.

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 78

EFFECT:

- Allow brown bear baiting over registered black bear bait stations for subunit 13D for the existing season dates for black bear baiting (April 15 – June 30)

- Establish a bear baiting fall season (August 20 – October 31)

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Copper Basin did not vote, supported #74
Tok Cutoff did not vote, supported #77
Paxson opposed 0-5
Denali did not meet
Black Bear Harvest by Season - Subunit 13D

Harvest

- Fall
- Spring

Seasons:
- 1990-91
- 1991-92
- 1992-93
- 1993-94
- 1994-95
- 1995-96
- 1996-97
- 1997-98
- 1998-99
- 1999-00
- 2000-01
- 2001-02
- 2002-03
- 2003-04
- 2004-05
- 2005-06
- 2006-07
- 2007-08
- 2008-09
- 2009-10
- 2010-11
- 2011-12
Proposal 78

Summary

EFFECT:

- Allow brown bear baiting over registered black bear bait stations for subunit 13D for the existing season dates for black bear baiting (April 15 – June 30)

- Establish a bear baiting fall season (August 20 – October 31)

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 74

EFFECT:

- Allow brown bear baiting over registered black bear bait stations in subunit 13D with prior baiting history.

DEPARTMENT RECOMMENDATION: Take No Action

Advisory Committee votes
Copper Basin support 11-0
Tok Cutoff did not vote, supported #77
Paxson opposed 0-5
Denali did not meet
Proposal 76

EFFECT:

- Allow brown bear baiting over registered black bear bait stations in subunit 13D.

DEPARTMENT RECOMMENDATION: Take No Action

Advisory Committee votes
Copper Basin did not vote, supported #74
Tok Cutoff did not vote, supported #77
Paxson opposed 0-5
Denali did not meet
Proposal 77

EFFECT:

- Allow brown bear baiting over registered black bear bait stations in all of Unit 13 with shorter season dates (April 15 – May 31) than existing season dates for black bear baiting (April 15 – June 30).

DEPARTMENT RECOMMENDATION: **Take No Action**

*Advisory Committee votes*
- Copper Basin did not vote, supported #74
- Tok Cutoff supported 4-0
- Paxson opposed 0-5
- Denali did not meet
Proposal 81

EFFECT:

- Modifies the Intensive Management (IM) moose population and harvest objectives for each subunit in Unit 13.

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Copper Basin support 11-0
Tok Cutoff support 4-0
Paxson support 5-0
Denali did not meet
<table>
<thead>
<tr>
<th>Subunit</th>
<th>Moose Population Objective Range</th>
<th>Harvest Objective</th>
<th>Harvest Objective Range:</th>
</tr>
</thead>
<tbody>
<tr>
<td>13A</td>
<td>3,500–4,200</td>
<td>7%</td>
<td>245–294 [210–420]</td>
</tr>
<tr>
<td>13B</td>
<td>5,300–6,300</td>
<td>5%</td>
<td>265–315 [310–620]</td>
</tr>
<tr>
<td>13C</td>
<td>2,000–3,000 [2,600–3,500]</td>
<td>5%</td>
<td>100–150 [155–350]</td>
</tr>
<tr>
<td>13D</td>
<td>1,500–2,200 [1,200–1,900]</td>
<td>5%</td>
<td>75–110 [75–190]</td>
</tr>
<tr>
<td>13 E</td>
<td>5,500–6,500 [5,000–6,000]</td>
<td>5%</td>
<td>275–325 [300–600]</td>
</tr>
</tbody>
</table>
2012 Unitwide bull:100 cow ratio = 32:100 (range 24 – 67) [Objective 25:100]
2012 Unitwide calf:100 cow ratio = 16:100 (range 9 – 20) [Objective 25:100 in 13A, and 30:100 in 13A, B, C, and E]
UNIT 13 MOOSE TWINNING
Twinning flights and
Radio-collared moose in 13A west

% Parturient Cows with Twins

- Unit 13B, 13C, 13E surveys
- 13A west collared moose

Chart shows the percentage of parturient cows with twins from 1992 to 2012.
### Bull, Cows, and Calf Moose Counted

**Subunit 13A WEST**

<table>
<thead>
<tr>
<th>Year</th>
<th>Bulls</th>
<th>Cows</th>
<th>Calves</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987 peak</td>
<td>405</td>
<td>1,428</td>
<td>293</td>
<td>2,126</td>
</tr>
<tr>
<td>2012 current</td>
<td>291</td>
<td>1,118</td>
<td>171</td>
<td>1,580</td>
</tr>
</tbody>
</table>
## BULL, COWS and CALF MOOSE COUNTED

**Subunit 13B**

<table>
<thead>
<tr>
<th>Year</th>
<th>Bulls</th>
<th>Cows</th>
<th>Calves</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987 peak</td>
<td>580</td>
<td>2,176</td>
<td>647</td>
<td>3,403</td>
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<tr>
<td>2012 current</td>
<td>594</td>
<td>1,766</td>
<td>325</td>
<td>2,685</td>
</tr>
</tbody>
</table>
### BULL, COWS and CALF MOOSE COUNTED

Subunit 13C

<table>
<thead>
<tr>
<th>Year</th>
<th>Bulls</th>
<th>Cows</th>
<th>Calves</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1988 peak</td>
<td>125</td>
<td>473</td>
<td>120</td>
<td>718</td>
</tr>
<tr>
<td>2012 current</td>
<td>107</td>
<td>355</td>
<td>44</td>
<td>506</td>
</tr>
</tbody>
</table>
BULL, COWS and CALF MOOSE COUNTED
Subunit 13D

1970 peak

- Bulls: 87
- Cows: 168
- Calves: 44
- Total: 299

2012 current

- Bulls: 64
- Cows: 95
- Calves: 13
- Total: 172
## Subunit 13E

### CA 3 – Upper Susitna

<table>
<thead>
<tr>
<th>Year</th>
<th>Bulls</th>
<th>Cows</th>
<th>Calves</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987 peak</td>
<td>88</td>
<td>371</td>
<td>115</td>
<td>574</td>
</tr>
<tr>
<td>2012 current</td>
<td>98</td>
<td>332</td>
<td>29</td>
<td>459</td>
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</tbody>
</table>

### CA7 – Coal Creek

<table>
<thead>
<tr>
<th>Year</th>
<th>Bulls</th>
<th>Cows</th>
<th>Calves</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1981 peak</td>
<td>125</td>
<td>881</td>
<td>278</td>
<td>1,284</td>
</tr>
<tr>
<td>2012 current</td>
<td>229</td>
<td>715</td>
<td>122</td>
<td>1,066</td>
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</table>
## Unit 13 Moose Population Estimates
### By Subunit

<table>
<thead>
<tr>
<th>Objective</th>
<th>A (3500-4200)</th>
<th>B (5300-6300)</th>
<th>C (2600-3500)</th>
<th>D (1200-1900)</th>
<th>E (5000-6000)</th>
<th>Total (17600-21900)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1988</td>
<td>3,560</td>
<td>6,950</td>
<td>2,560</td>
<td>1,410</td>
<td>5,960</td>
<td>20,440</td>
</tr>
<tr>
<td>2008</td>
<td>2,500</td>
<td>4,450</td>
<td>1,570</td>
<td>1,940</td>
<td>5,160</td>
<td>15,620</td>
</tr>
<tr>
<td>2009</td>
<td>3,530</td>
<td>4,630</td>
<td>1,610</td>
<td>1,900</td>
<td>4,940</td>
<td>16,610</td>
</tr>
<tr>
<td>2010</td>
<td>3,490</td>
<td>5,280</td>
<td>1,700</td>
<td>2,280</td>
<td>5,430</td>
<td>18,180</td>
</tr>
<tr>
<td>2011</td>
<td>3,890</td>
<td>5,340</td>
<td>1,950</td>
<td>1,950</td>
<td>5,780</td>
<td>18,910</td>
</tr>
<tr>
<td>2012</td>
<td>3,650</td>
<td>5,350</td>
<td>1,675</td>
<td>1,950</td>
<td>5,570</td>
<td>18,195</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2012 Moose Density (moose/mi2)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>(moose/mi2)</td>
<td>1.1</td>
<td>2</td>
<td>1.1</td>
<td>0.5</td>
<td>1.1</td>
<td>1.1</td>
</tr>
</tbody>
</table>
MOOSE HARVEST 13A

1993 peak Bulls 536
2011 current 293
MOOSE HARVEST 13B

Bulls

1986 peak 379

2011 current 266
MOOSE HARVEST 13C

**Bulls**

- 1988 peak: 199
- 2011 current: 113

13C Moose Harvest - All Hunts

- Prop 81
- 155-350 obj.

BULLS and CALVES / 100 COWS

Subunit 13C

- PER 100 COWS
- BULLS/100 COWS
- CALVES / 100 COWS
MOOSE HARVEST 13D

Bulls

1985 peak  125
2011 current  83

13D Moose Harvest - All Hunts

BULLS and CALVES / 100 COWS

Subunit 13D
MOOSE HARVEST 13E

Bulls

1988 peak 303

2011 current 180
Proposal 81

Summary

EFFECT:

- Modifies the Intensive Management (IM) moose population and harvest objectives for each subunit in Unit 13.

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 80

EFFECT:

- Modifies the Intensive Management (IM) moose population and harvest objectives for subunit 13B.

<table>
<thead>
<tr>
<th>Subunit</th>
<th>Moose Population Objective Range</th>
<th>Moose Harvest Objective Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>13B</td>
<td><strong>4,000–5,000</strong> [5,300–6,300]</td>
<td><strong>248–280</strong> [310–620]</td>
</tr>
</tbody>
</table>

DEPARTMENT RECOMMENDATION: **Take No Action**

Advisory Committee votes
Copper Basin did not vote, supported #81
Tok Cutoff did not vote, supported #81
Paxson support 5-0
Denali did not meet
Proposal 82

EFFECT: Amends the existing Unit 13 wolf control implementation plan

- The minimum number of wolves (135) to remain in the area at the end of the season would be limited to the active Intensive Management (IM) area instead of the entire unit

- The spring wolf population objective would be increased significantly
  - Currently 135-165
  - Proposed 220-260

DEPARTMENT RECOMMENDATION: Do Not Adopt

Advisory Committee votes
Copper Basin did not vote, supported #83
Tok Cutoff did not vote, supported #83
Paxson support 5-0
Denali did not meet
UNIT 13
MOOSE OBSERVED and SPRING WOLF ESTIMATES

- **Moose**
- **Spring Wolf Estimate**

**Proposed Spring Objective 220-260**

**Existing objective 135-165**
Unit 13
Moose to Wolf Ratio Estimates

Moose to Wolf Ratio

- Moose to Spring Wolf Estimate
- Moose to Fall Wolf Estimate

30 Moose to 1 wolf

Land and Shoot (L&S) Legal  L&S  L&S / Aerial Take
Proposal 82

Summary

EFFECT: Amends the existing Unit 13 wolf control implementation plan

- The minimum number of wolves (135) to remain in the area at the end of the season would be limited to the active Intensive Management (IM) area instead of the entire unit.

- The spring wolf population objective would be increased significantly
  - Currently 135-165
  - Proposed 220-260

DEPARTMENT RECOMMENDATION: Do Not Adopt
Proposal 83

EFFECT: Amends the existing Unit 13 wolf control implementation plan

- Reduce the minimum wolf population objective
  - Currently 135
  - Proposed 100

- Limit the minimum to the active Intensive Management (IM) area instead of the entire unit

- IM activities would commence based on the moose population size

- Remove the criteria for closing hunting and trapping seasons to maintain the minimum wolf population

DEPARTMENT RECOMMENDATION: **Adopt – Operational guidelines**  
**Do Not Adopt – Regulations**

Advisory Committee votes
Copper Basin support 11-0
Tok Cutoff support 4-0
Paxson support 5-0
Denali did not meet
UNIT 13
MOOSE OBSERVED and SPRING WOLF ESTIMATES

- Moose
- Spring Wolf Estimate

Existing objective 135-165
If New Objectives are adopted (Proposal 81)

GMU 13 MOOSE 2011 POPULATION ESTIMATES vs OBJECTIVES

Unit 13 MOOSE 2012 POPULATION ESTIMATES vs OBJECTIVES
Proposal 83
Summary

EFFECT: Amends the existing Unit 13 wolf control implementation plan

- Reduce the minimum wolf population objective
  - Currently 135
  - Proposed 100

- Limit the minimum to the active Intensive Management (IM) area instead of the entire unit

- IM activities would commence based on the moose population size

- Remove the criteria for closing hunting and trapping seasons to maintain the minimum wolf population

DEPARTMENT RECOMMENDATION: Adopt – Operational guidelines
Do Not Adopt – Regulations
Proposal 84

EFFECT:

- Establish a positive finding for high levels of consumptive use under regulations for implementing Intensive Management (IM) for the Mentasta Caribou Herd in Units 11 and 12 (*currently negative*)

- Establish IM population and harvest objectives

- Design and implement a wolf and bear control program on private Ahtna-Inc. lands in Unit 11 from Suslositna Creek south to Sanford River

DEPARTMENT RECOMMENDATION: **No Recommendation**

*Advisory Committee votes*
- Copper Basin support 11-0
- Tok Cutoff opposed 1-3
- Paxson *did not vote*
- Denali *did not meet*
Mentasta Caribou Herd and Land Status

Legend
- Red: Mentasta Caribou Herd Range
- Land Status:
  - Ahtna Native Patented
  - Ahtna Native Interim Conveyed
  - Private
  - Preserve
  - Park

Suslositna Creek
Sanford River
Mentasta Caribou Herd Range
Wrangell St. Elias
MENTASTA CARIBOU HERD
Population Estimate and Composition

- Population Estimate
- Bulls: 100 Cows
- Calves: 100 Cows

Graph showing the population estimate and composition of the Mentasta Caribou Herd from 1973 to 2012.
Mentasta Caribou Considerations

• 1974 to 1989 harvest averaged 100 / year (range 45-236)

• State season has been closed since 1990

• Federal season has been closed since 1992

• The existing Mentasta Caribou Herd Cooperative Management Plan was last revised in 1995 with the following guidelines:
  o Recruitment of at least 80 calves prior to harvest
  o <70 caribou annual quota = federal harvest only
  o ≥70 caribou annual quota = federal and state harvest

• High proportion of federal and private lands

• Limited access
Proposal 84

Summary

EFFECT:

- Establish a positive finding for high levels of consumptive use under regulations for implementing Intensive Management (IM) for the Mentasta Caribou Herd in Units 11 and 12 (currently negative)

- Establish IM population and harvest objectives

- Design and implement a wolf and bear control program on private Ahtna-Inc. lands in Unit 11 from Suslositna Creek south to Sanford River

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 85

EFFECT:

- Establish a positive finding for high levels of consumptive use for moose in Unit 11

- Establish a wolf and bear control program on private Ahtna-Inc. lands in Unit 11 from Boulder Creek south to Sanford River, and Mineral Springs to Kuskulana River

DEPARTMENT RECOMMENDATION: **No Recommendation**

**Advisory Committee votes**
- Copper Basin support 11-0
- Tok Cutoff support 4-0
- Paxson *did not vote*
- Denali *did not meet*
Proposed Moose IM Area and Land Status

Legend

- Ahnna Native Patented
- Ahnna Native Interim Conveyed
- Private
- Preserve
- Park

Boulder Creek
Sanford River
Mineral Springs
Kuskulana River
Total Moose Density

0.4 – 1.0 moose / mi²
Unit 11 Bull Moose Harvest
State General Hunt and Federal Hunt

Moose Harvested

Year:
- 1977: 35
- 1978: 40
- 1979: 21
- 1980: 76
- 1981: 42
- 1982: 48
- 1983: 41
- 1984: 47
- 1985: 49
- 1986: 58
- 1987: 48
- 1988: 52
- 1989: 32
- 1990: 42
- 1991: 23
- 1992: 30
- 1993: 36
- 1994: 38
- 1995: 38
- 1996: 34
- 1997: 28
- 1998: 40
- 1999: 24
- 2000: 31
- 2001: 16
- 2002: 21
- 2003: 33
- 2004: 30
- 2005: 24
- 2006: 18
- 2007: 24
- 2008: 29
- 2009: 20
- 2010: 19
- 2011: 34

Legend:
- Federal Harvest
- State Harvest
Unit 11 Moose Considerations

- 1977 to 2011 harvest averaged 43 / year (range 21-76)
- High proportion of federal and private lands
- Limited access
- Population trend increasing since 2001
Proposal 85
Summary

EFFECT:

❖ Establish a positive finding for high levels of consumptive use for moose in Unit 11

❖ Establish a wolf and bear control program on private Ahtna-Inc. lands in Unit 11 from Boulder Creek south to Sanford River, and Mineral Springs to Kuskulana River

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 86

EFFECT:

- Close state and private lands in subunit 13E north and west of the Parks Highway to the boundary of Denali National Park, and the area 5 miles south and east of the highway to the taking of wolves.

DEPARTMENT RECOMMENDATION: **No Recommendation**
13E WEST LAND STATUS

[Map showing land status with areas marked as Denali National Park, Proposed Closure, Parks Highway, and Cantwell. Legend includes Denali Park and Denali Park Wilderness.]
Proposal 86

Summary

EFFECT:

- Close state and private lands in subunit 13E north and west of the Parks Highway to the boundary of Denali National Park, and the area 5 miles south and east of the highway to the taking of wolves.

DEPARTMENT RECOMMENDATION: **No Recommendation**
Proposal 87

EFFECT:

- Allow the use of off-road vehicles by elderly and disabled hunters in state parks in Unit 13.

DEPARTMENT RECOMMENDATION: **Take No Action**

Advisory Committee votes
Copper Basin *did not vote*
Tok Cutoff *opposed 0-4*
Paxson *did not vote*
Denali *did not meet*
Proposal 88

EFFECT:

PROPOSED REGULATION
❖ Season Dates: August 20 – March 31
❖ Bag Limit 5 per day / 10 in possession

CURRENT REGULATION
❖ Season Dates: August 10 – December 31
❖ Bag Limit 10 per day / 20 in possession

DEPARTMENT RECOMMENDATION: No Recommendation

Advisory Committee votes
Copper Basin support 7-0-4
Tok Cutoff support 4-0
Paxson support 5-0
Denali did not meet
Proposal 88:
Reinstating the winter ptarmigan season in GMU 13B and
Delaying the season start date by 10 days

<table>
<thead>
<tr>
<th>RC: 2, Tab: 5</th>
<th>Public Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADF&amp;G</td>
<td></td>
</tr>
<tr>
<td>No Recommendation</td>
<td></td>
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</tbody>
</table>

Advisory Committees:

<table>
<thead>
<tr>
<th>SUPPORT</th>
<th>OPPOSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paxson</td>
<td>Mat-Su</td>
</tr>
<tr>
<td>Delta</td>
<td></td>
</tr>
<tr>
<td>Tok Cutoff / Nabiesna Rd.</td>
<td></td>
</tr>
<tr>
<td>Anchorage</td>
<td></td>
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</table>
Effect of Proposal

<table>
<thead>
<tr>
<th>Season Dates</th>
<th>Bag Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current August 10 - November 30</td>
<td>10 daily, 20 in possession</td>
</tr>
<tr>
<td>Proposed August 20 - March 31</td>
<td>5 daily, 10 in possession</td>
</tr>
</tbody>
</table>
History

1. In RY 2005:
   13A, B, and E – 10 daily TO 5 daily

2. Springtime Surveys in 13B and E – 1997-present

3. In RY 2009:
   13A and E – return to 10 daily
   13B – Closed on November 30

4. Winter harvest - additive
Rock

1. Occur throughout Alaska including Aleutian Islands

2. Generally less abundant but can vary by location

3. Spring/Summer - In more exposed, rocky slopes than willow ptar.

Winter / spring – Often co-mingle

Willow

1. Occur throughout mainland Alaska NOT on Aleutian Islands

2. Generally more abundant

3. Spring/Summer - In stands of willow (*Salix* spp.)

Winter / spring – Often co-mingle
Statewide Small Game Survey

1. GMU 13 - 3rd most popular for ptarmigan

2. GMU 13 – 13th in harvest / effort
   ...high effort, poor success

3. Few harvest more than 1-3 birds / outing
1. Winter harvest is additive

2. Cannot manage rock and willow ptarmigan separately

3. In 13B - rock ptarmigan remain low, willow ptarmigan increasing

4. Bag limit reduction will have little effect
Future

1. Additional springtime survey locations

2. Document movement of 13B rock ptarmigan
   - radio collar 15-20 individuals

3. Additional opportunity in adjacent subunits and 20D
Key Issue

Provide opportunity?

OR

Provide higher success in the fall?
Proposal 88:
Reinstating the winter ptarmigan season in GMU 13B and
Delaying the season start date by 10 days

RC: 2, Tab: 5 Public Proposal

ADF&G
No Recommendation

Advisory Committees:

**SUPPORT**
Paxson
Delta
Tok Cutoff / Nabesna Rd.
Anchorage

**OPPOSE**
Mat-Su
Proposal 89

EFFECT:

- Establish a muzzleloader/archery Dall’s sheep hunt in subunit 13A (eastern Talkeetna mountains), replacing the current general season hunt.

- Or, establish a drawing hunt in a small area south of the Little Nelchina River.

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Copper Basin opposed 0-11
Tok Cutoff opposed 0-4
Paxson did not vote
Denali did not meet
Proposal 89
Muzzleloader/Archery Dall Sheep hunt for all 13A

or

Proposed drawing hunt boundary in a portion of 13A
Ratios observed in 2011

38 lambs: 100 ewes
34 rams: 100 ewes (2 legal rams: 100 ewes)
Background for Proposals 90, 91, and 92

Chugach Mountain Drawing Hunt Areas
Subunits 14A south and 13D

Drawing hunts established in 2007

Chickaloon
Glennallen
Palmer
Tonsina CUA (GS000)
Valdez

13D West Tazwest
Any Ram

13D East Tazeast
Full Curl

14A South
Any Ram

Full Curl
Points of discussion in 2007

- Sheep population decline between 2003 and 2006
- Overcrowding
- Poor hunt quality
- Few legal rams
- Chugach mountain trophy potential
- Resident / NR participation shifting towards NR

<table>
<thead>
<tr>
<th>Any ram bag limit</th>
<th>vs.</th>
<th>Full curl bag limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher success</td>
<td></td>
<td>Potentially lower success</td>
</tr>
<tr>
<td>Less selective harvest</td>
<td></td>
<td>Harvest focused on older/larger rams</td>
</tr>
<tr>
<td>Easier to judge “legal”</td>
<td></td>
<td>More enforcement issues</td>
</tr>
<tr>
<td>ram</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less enforcement issues</td>
<td></td>
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</tbody>
</table>
### By Area

**Before and After**

<table>
<thead>
<tr>
<th>Area</th>
<th>#Hunters/</th>
<th>Resident</th>
<th>NR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Permits</td>
<td>Harvest</td>
<td>Success</td>
</tr>
<tr>
<td><strong>13D Tazeast</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003-07 GS000</td>
<td>88</td>
<td>27</td>
<td>19%</td>
</tr>
<tr>
<td>2008-12 Draw</td>
<td>43</td>
<td>11</td>
<td>26%</td>
</tr>
<tr>
<td><strong>13D Tazwest</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003-07 GS000</td>
<td>51</td>
<td>19</td>
<td>17%</td>
</tr>
<tr>
<td>2008-12 Draw</td>
<td>11</td>
<td>4</td>
<td>41%</td>
</tr>
<tr>
<td><strong>14A South</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003-07 GS000</td>
<td>547</td>
<td>128</td>
<td>15%</td>
</tr>
<tr>
<td>2008-12 Draw</td>
<td>214</td>
<td>52</td>
<td>37%</td>
</tr>
</tbody>
</table>
13D Chugach TAZWEST Ram Counts and Percent Harvest

- Bars represent the number of observed rams:
  - Light gray: < Full Curl Rams
  - Dark gray: >= Full Curl Rams
- Line graph represents the percent harvest:
  - Orange: >= FC Observed

<table>
<thead>
<tr>
<th>Year</th>
<th>&lt; Full Curl Rams</th>
<th>&gt;= Full Curl Rams</th>
<th>% Harvest &gt;= FC Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1989</td>
<td>110</td>
<td>10</td>
<td>95%</td>
</tr>
<tr>
<td>2002</td>
<td>130</td>
<td>70</td>
<td>53%</td>
</tr>
<tr>
<td>2007</td>
<td>90</td>
<td>40</td>
<td>44%</td>
</tr>
<tr>
<td>2009</td>
<td>80</td>
<td>20</td>
<td>25%</td>
</tr>
<tr>
<td>2010</td>
<td>150</td>
<td>100</td>
<td>67%</td>
</tr>
<tr>
<td>2012</td>
<td>120</td>
<td>80</td>
<td>67%</td>
</tr>
</tbody>
</table>
13D Chugach TAZWEST Population and Composition

- Ewes
- Lambs
- < Full Curl Rams
- >=Full Curl Rams
- % >=Full Curl Rams

# of Observed Sheep

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ewes</td>
<td>200</td>
<td>150</td>
<td>120</td>
<td>100</td>
<td>100</td>
<td>110</td>
</tr>
<tr>
<td>Lambs</td>
<td>350</td>
<td>300</td>
<td>280</td>
<td>300</td>
<td>290</td>
<td>300</td>
</tr>
<tr>
<td>&lt; Full Curl Rams</td>
<td>50</td>
<td>70</td>
<td>90</td>
<td>60</td>
<td>60</td>
<td>40</td>
</tr>
<tr>
<td>&gt;=Full Curl Rams</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

Full Curl Ram General Hunt

Any Ram Draw Hunt
14A Chugach Ram Harvest and Hunter Numbers (1998-2012)

- Non-Res Hunters
- Res Hunters
- Res Rams
- Non-Resident Rams

Full Curl Ram General Hunt

Any Ram Draw Hunt

Number of Hunters or Permits Awarded

Harvested Rams

Reg Year


140 120 100 80 60 40 20 0

18 16 14 12 10 8 6 4 2 0
Dall Sheep Harvest in 14A/13D

- 14A South
- Tazeast (central 13D)
- Tazwest (western 13D)

Drawing Hunts established
Proposal 90

EFFECT:

- The resident drawing sheep hunts in subunit 13D in the Chugach Mountains (DS160 and DS165) would revert to a general season hunt for residents with a bag limit of 1 ram with horns that are full curl or greater.

- Nonresident drawing hunts would be retained, and permit numbers would be fixed to current levels (10 permits in DS265 and 2 permits in DS260); the bag limit would remain 1 ram with horns that are full curl or greater.

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Copper Basin opposed 0-11
Tok Cutoff did not vote
Paxson did not vote
Denali did not meet
Alaska Dall Sheep Hunters
All Hunts

- Brooks Range
- Wrangell Mountains
- Chugach Mountains
- Talkeetna Mountains
- Alaska Range

Brooks Range Increase began in ~ 1998
Alaska Range Increase began in ~ 2002
Brooks Range Increase began in ~2004
Alaska Range Increase began in ~2001
Proposal 90
Summary

EFFECT:

- The resident drawing sheep hunts in subunit 13D in the Chugach Mountains (DS160 and DS165) would revert to a general season hunt for residents with a bag limit of 1 ram with horns that are full curl or greater.

- Nonresident drawing hunts would be retained, and permit numbers would be fixed to current levels (10 permits in DS265 and 2 permits in DS260); the bag limit would remain 1 ram with horns that are full curl or greater.

DEPARTMENT RECOMMENDATION: No Recommendation
Proposition 91

EFFECT:

- Eliminate the resident drawing hunts in central subunit 13D and 14A south in the Chugach Mountains and replaces them with general season hunts with a bag limit of 1 ram with horns full curl or greater.

- Nonresident drawing hunts retained, with a bag limit of 1 ram with horns full curl or greater. Nonresident permits would be reduced to 5 (no reference was provided as to the location of the 5 permits).

DEPARTMENT RECOMMENDATION: **No Recommendation**
# Chugach Sheep Hunter Numbers/Opportunity Allocation

<table>
<thead>
<tr>
<th>Location</th>
<th>Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14A South</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Season 2000-07 average</td>
<td>83</td>
<td>27 (25%)</td>
</tr>
<tr>
<td>Any Ram Draw 2008-13 average</td>
<td>43</td>
<td>6 (10%)</td>
</tr>
<tr>
<td>If adopted</td>
<td>~83</td>
<td>2 (2%)</td>
</tr>
<tr>
<td><strong>13D Tazwest</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Season 2000-07 average</td>
<td>35</td>
<td>16 (31%)</td>
</tr>
<tr>
<td>Any Ram Draw 2008-13 average</td>
<td>9</td>
<td>2 (18%)</td>
</tr>
<tr>
<td>If adopted</td>
<td>~35</td>
<td>1 (3%)</td>
</tr>
<tr>
<td><strong>13D Tazeast</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Season 2000-07 average</td>
<td>63</td>
<td>24 (28%)</td>
</tr>
<tr>
<td>Full Curl Draw 2008-13 average</td>
<td>35</td>
<td>9 (20%)</td>
</tr>
<tr>
<td>If adopted</td>
<td>~63</td>
<td>2 (3%)</td>
</tr>
</tbody>
</table>

*Hunter numbers after 2007 reflect permits awarded*
13D Chugach Sheep Hunters by Residency (TAZEAST and TAZWEST)

*Hunter numbers after 2007 reflect permits awarded*
14A Chugach Sheep Hunters by Residency (1998-2012)

- Res Hunters
- Non-Res Hunters

*Hunter numbers after 2007 reflect permits awarded*
Proposal 91
Summary

EFFECT:

- Eliminate the resident drawing hunts in central subunit 13D and 14A south in the Chugach Mountains and replaces them with general season hunts with a bag limit of 1 ram with horns full curl or greater.

- Nonresident drawing hunts retained, with a bag limit of 1 ram with horns full curl or greater. Nonresident permits would be reduced to 5 (no reference was provided as to the location of the 5 permits).

DEPARTMENT RECOMMENDATION: No Recommendation
Proposal 92

EFFECT:

- Change the bag limit for sheep in western subunit 13D and 14A south drawing hunts from any ram to 1 ram with horns full curl or greater.

DEPARTMENT RECOMMENDATION: **No Recommendation**

Advisory Committee votes
Mat Valley *support 9-4-0*
Copper Basin *support 6-4-1*
Tok Cutoff *did not vote*
Paxson *did not vote*
Denali *did not meet*
Any ram bag limit

Higher success for some hunters

Less selective harvest

Easier to identify legal rams

Less enforcement issues

Full curl bag limit

Lower success for some hunters

Harvest is focused on older rams

Some legal rams may be difficult to identify

More enforcement issues

*If adopted,*

*Resident SUCCESS would likely decline, Non-Res success would remain consistent.*
Proposal 92
Summary

EFFECT:

❖ Change the bag limit for sheep in western subunit 13D and 14A south drawing hunts from any ram to 1 ram with horns full curl or greater.

DEPARTMENT RECOMMENDATION: **No Recommendation**
Thank-you