

Proposal 157

- Effect: Amend Mulchatna Caribou Herd Predation Management Plan to include GMUs 19A & B
- Issue: Expand wolf control into area of GMU 19A & B used by Mulchatna caribou for calving

Department position: Adopt

Prop. 157

BOG - March, 2011

- Passed amended Proposal 119 and adopted MCH predation management plan to reduce wolf predation on Mulchatna caribou.
- 119 amended to include only GMU 17B&C, and 9B (other parts of MCH range not in call for proposals)
- Proposal submitted to include 19A&B for Region 3 BOG meeting

Prop. 157

Mulchatna Caribou Herd (MCH)



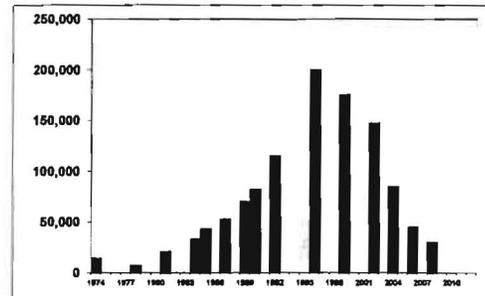
Population: 30,000 – 40,000
(2008)

Status: Stable??

Reported Harvest: 450

Prop. 157

Mulchatna Caribou Population Summer Estimates 1974 - 2011



Prop. 157

Intensive Management Steps

Statutory Considerations: Has the Board established population and harvest objectives?

| | |
|-----------------|---------------|
| Population | Harvest |
| 30,000 – 80,000 | 2,400 – 8,000 |

Prop. 157

Intensive Management Steps

Statutory Considerations: Have the harvest objectives been met?

| | |
|---------------|------------------|
| Harvest Obj | 2006 – 2010 ave* |
| 2,400 – 8,000 | 595 |

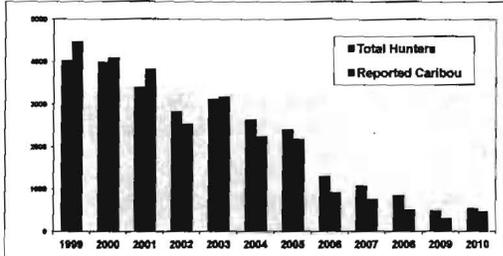
No

*Note: Reported Harvests from general harvest cards. Likely considerable unreported harvest, especially on western side of herd's range.

Range-wide reported hunter numbers declined from 1,312 to 493 during this period. Reported harvest declined from 921 caribou to 309.

Prop. 157

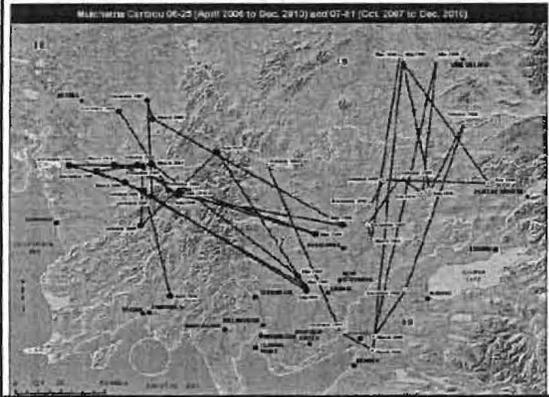
Intensive Management Steps Statutory Considerations: Has there been a significant reduction in take? Mulchatna Caribou Hunting 1999 – 2010



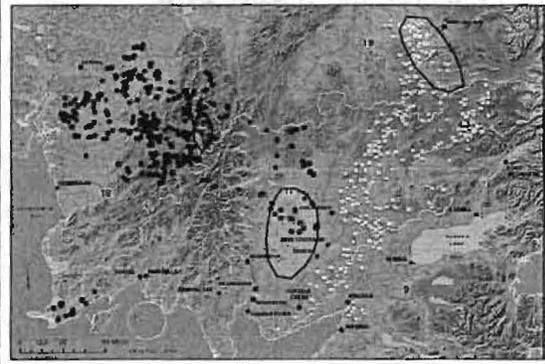
Prop. 157



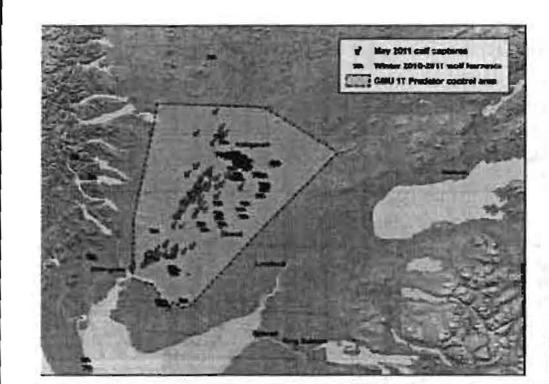
Prop. 157



Current annual range and calving areas Prop. 157 ○ - Western group ○ - Eastern group

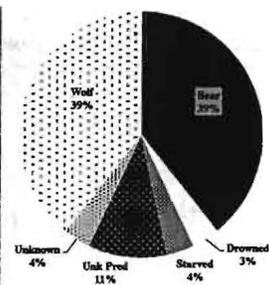


Prop. 157



Prop 157

Cause of death from birth to 1 month of age



Prop. 157

2011 MCH calf mortality study summary

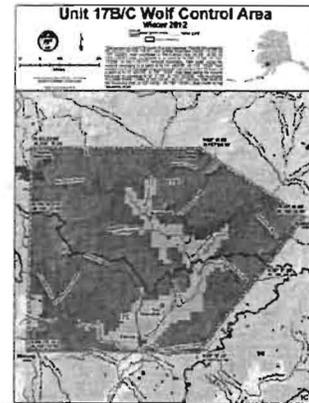
| | | |
|------------------|----------|----------|
| Calving ground: | Southern | Northern |
| Calves collared: | 81 | 7* |
| Survival | | |
| 2 weeks | 60% | 17%* |
| 5 months | 44% | 0%* |

* Sample size too small to make meaningful inferences

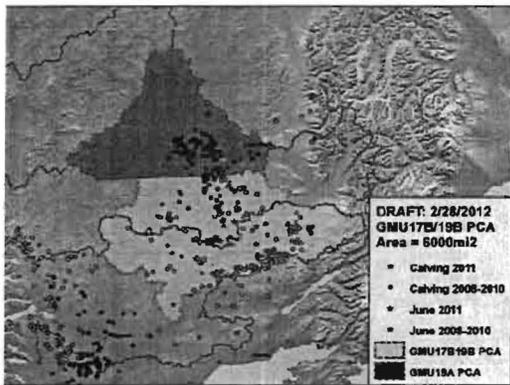
Prop. 157

Aerial wolf control –
Mar. 1 – April 30, 2012

34 Pilot permits
approved



Prop. 157



Prop. 157

Nushagak F & G Advisory Committee,

Mar. 2, 2012

“Support Proposal 157: 8 - 0”

Proposal 158

- Effect: Implement a predator control plan for the range of the Mulchatna Caribou Herd
- Issue: Insufficient number of caribou
- Department position: Take no action

Prop. 158

Nushagak F & G Advisory Committee,

Mar. 2, 2012

“Take no action based on their vote for Proposal 157”

Proposal 159

- Effect: Change the Intensive Management population objective for the Mulchatna Caribou Herd
- Issue: IM objective too low
- Department position: Do not adopt

Prop. 159

Spring 2009 Board of Game meeting

Changed Population Objective:

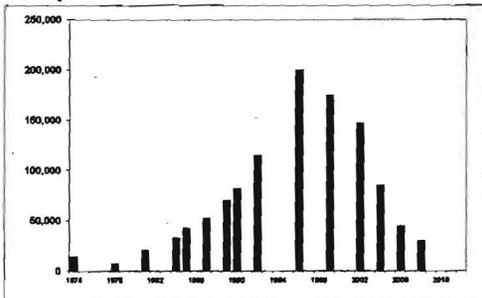
Originally: 100,000 – 150,000 caribou

Present: 30,000 – 80,000 caribou

Proposed: 100,000 – 150,000 caribou
(also proposed and not adopted during Spring 2011 meeting)

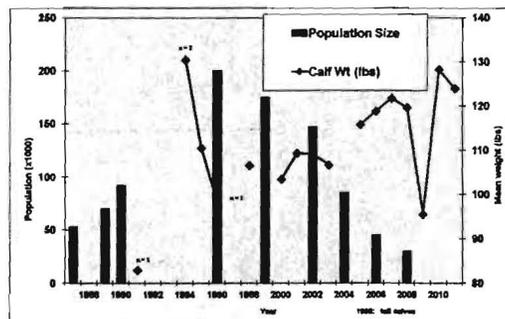
Prop. 159

Mulchatna Caribou Population Estimates 1974 - 2011



Prop. 159

MCH Minimum Summer Population and Calf Weights at 10 Months Old



Prop. 159

Nushagak F & G Advisory Committee,

Mar. 2, 2012

"Take no action based on their vote for Proposal 157"

Proposal 159

- Effect: Change the Intensive Management population objective for the Mulchatna Caribou Herd
- Issue: IM population objective too low
- Department position: Do not adopt

(X) **Unit 24B Predation Control Area:** the Unit 24(B) Predation Control Area is established and consists of those portions of the Koyukuk River drainage within Unit 24(B), encompassing approximately 13,523 square miles; this predation control program does not apply to any National Park Service or National Wildlife Refuge lands unless approved by the federal agencies; notwithstanding any other provisions in this title, and based on the following information contained in this section, the commissioner or the commissioner's designee may conduct a wolf population reduction or wolf population regulation program in Unit 24(B):

- (1) an Upper Koyukuk Management Area (UKMA) is established within the Unit 24(B) Predation Control Area encompassing approximately 1,360 square miles surrounding the villages of Alatna and Allakaket and bounded to the north at 66° 52' N. Lat., to the east at 152° 10' W. Long., to the south at 66° 10' N. Lat., to the west at 153° 45' W. Long.; the UKMA does not delineate a moose or wolf population and is not intended to distinguish animals within the UKMA from populations in Unit 24(B); the purpose of the UKMA is to focus wolf control in an area where moose are accessible to hunters, rather than spread this effort over the entire game management unit; wolf control will be conducted only within the UKMA, and the department will have the discretion to adjust its size and shape up to 20 percent (approximately 2,700 square miles) of Unit 24(B) if necessary;
- (2) this is an experimental program that will have limited impact on the moose and wolf populations in Unit 24(B); it is designed primarily to reallocate moose from wolves to humans in the UKMA and is expected to make only a small contribution to the intensive management (IM) moose harvest objective in Unit 24(B); at the end of the authorized period for removal of wolves, the control program will be terminated.
- (3) Moose and wolf objectives are as follows:
 - (A) the moose intensive management (IM) objectives established by the board for Unit 24(B) are for a population of 4,000–4,500 and an annual harvest of 150–250;
 - (B) the moose harvest objective for the UKMA is for an annual harvest of 35–40 moose by fall 2017;
 - (C) the wolf population control objective for Unit 24(B) is 100–140; the pre-control wolf population in Unit 24(B) was estimated in fall 2008 at 202–284; a minimum population of 100 wolves is approximately a 50 percent reduction from the pre-control population and will assure that wolves persist as part of the natural ecosystem in Unit 24(B) and assure continued wolf hunting, trapping and viewing opportunities;
 - (D) the wolf control objective in the UKMA is to reduce wolf numbers to the lowest level possible; in fall 2010, the estimated maximum number of wolves in the UKMA was 25-60;
- (4) Board findings concerning populations and human use are as follows:

- (A) the Unit 24(B) moose population and harvest objectives have not been achieved;
- (i) in early winter 2010 the observable moose population size in Unit 24(B) was estimated at 1,800–3,400 (0.13–0.25 moose per square mile), based on extrapolation of population estimates from survey areas in the unit, including all or parts of the UKMA, Kanuti National Wildlife Refuge, and Gates of the Arctic National Park and Preserve; during regulatory years 2008–2009 through 2010–2011, estimated annual harvest in Unit 24(B) was 82–109 moose;
 - (ii) in early winter 2010, the number of observable moose within the UKMA was estimated at 405 (90 percent confidence interval: ± 96); estimates of annual harvest from the UKMA are not available; however, Division of Subsistence household surveys from the villages of Alatna and Allakaket within the UKMA indicated moose harvest during 1997–2002 averaged approximately 40 per year; Division of Wildlife Conservation estimated current reported and unreported harvest in Alatna and Allakaket was 15–20 moose annually; based on resident testimonials, cost to obtain a moose has increased due to declining moose densities and increasing fuel costs;
- (B) predation by bears and wolves is an important cause of the failure to achieve moose population and harvest objectives;
- (i) moose surveys in Unit 24(B) during spring 2008–2011 indicated high twinning rates (average 57 percent), thus good body condition; fall composition surveys in Unit 24(B) indicated high productivity, with calf:cow ratios averaging 44 calves per 100 cows, but cohort survival was low with yearling bulls averaging 11 per 100 cows; these survey data and a predicted calving rate of 80 percent indicate more calves are lost during summer (due primarily to bear predation) than winter (due primarily to wolf predation);
 - (ii) studies from Interior Alaska have documented bears as the primary source of neonatal moose mortality, whereas wolves are the primary predator of moose >12 months of age; based on radio-collared adults in Units 24(A) and 24(B) (2008–2009), annual adult mortality is approximately 8–10 percent;
- (C) a reduction of wolf predation within the UKMA can reasonably be expected to make progress towards achieving the Unit 24(B) intensive management objectives; modeling of the current moose abundance in the UKMA using estimated abundance of 45–55 wolves, 75 black bears, 25 grizzly bears, 405 (± 97) moose, and a harvest of 20 moose annually, indicated that moose abundance should slowly increase in response to wolf control that increases calf and yearling moose survival; wolf control alone likely will result in a positive response in moose abundance after 5 winters of control, including reallocation of some surviving moose to harvest;

- (D) Reducing predation is likely to be effective and feasible utilizing recognized and prudent active management techniques and based on scientific information; based on survey results indicating wolf predation is an important source of mortality, reducing wolves in a small geographic area will likely result in increased moose survival and additional animals available for hunter harvest; harvest data will be collected using harvest ticket or registration permit reports, household surveys, and other reporting mechanisms such as calendars for recording hunting activities; moose population data collection will include abundance, calf:cow ratio, and yearling bull:cow ratio from population estimation surveys and calf survival and yearling survival from radio-collared moose;
- (E) Reducing predation is likely to be effective given land ownership patterns; the UKMA was selected based on land ownership status (minimizing federal lands), proximity to traditional moose hunting areas for the villages of Allakaket and Alatna (maximizing inclusion of navigable river corridors), and habitat suitability; within the UKMA, 125 square miles (9.2 percent) is federal land (BLM/USFWS), 576 square miles (42.3 percent) is Alaska Native corporation land, 659 square miles (48.4 percent) is State of Alaska lands;

(5) authorized methods and means are as follows:

- (A) hunting and trapping of wolves by the public in Unit 24(B) during the term of this program may occur as provided in the hunting and trapping regulations set out elsewhere in this title, including use of motorized vehicles as provided in 5 AAC 92.080;
- (B) notwithstanding any other provisions in this title, the commissioner may allow department employees to conduct aerial, land and shoot, or ground based lethal removal of wolves using state owned, privately owned, or chartered equipment, including helicopters, under AS 16.05.783;
- (C) notwithstanding any other provisions in this title, the commissioner may issue public aerial shooting permits or public land and shoot permits using fixed-wing aircraft as a method of wolf removal under AS 16.05.783;

(6) time frame is as follows:

- (A) during July 1, 2012–June 30, 2018, the commissioner may authorize removal of wolves in Unit 24(B);
- (B) annually, the department shall, to the extent practicable, provide to the board a report of program activities conducted during the preceding 12 months, including implementation activities, the status of the moose and wolf populations, and recommendations for changes, if necessary to achieve the objectives of the plan;

(7) the commissioner will review, modify or suspend program activities when the wolf surveys or accumulated information from department personnel, hunters, trappers, and permittees indicate the need to avoid reducing wolf numbers in Unit 24(B) below the control objective of 100 wolves specified in this subsection;

RC79

Proposal 167A

5 AAC 85.056. Hunting seasons and bag limits for wolf. (a) ...

| Units and Bag Limits | Resident Open Season (Subsistence and General Hunts) | Nonresident Open Season |
|----------------------|---|---|
| ... | | |
| Units 21 and 24 | <u>Aug. 10 – May 31</u> [AUG. 10 - APR. 30] | <u>Aug. 10 – May 31</u> [AUG. 10 - APR. 30] |
| 10 wolves | | |
| ... | | |

RCSO

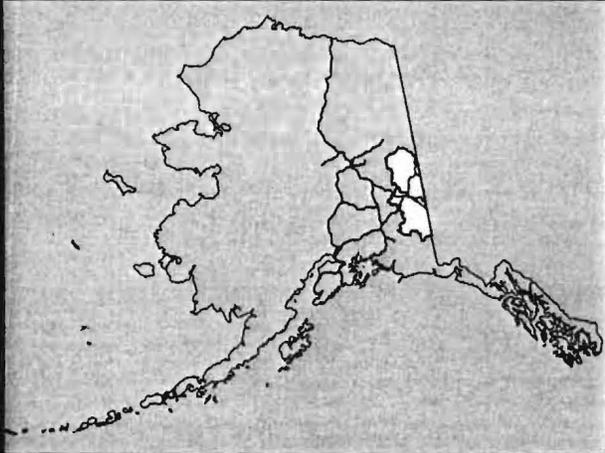
Proposal 169A

5 AAC 84.270. Furbearer trapping. Trapping seasons and bag limits for furbearers are as follows:

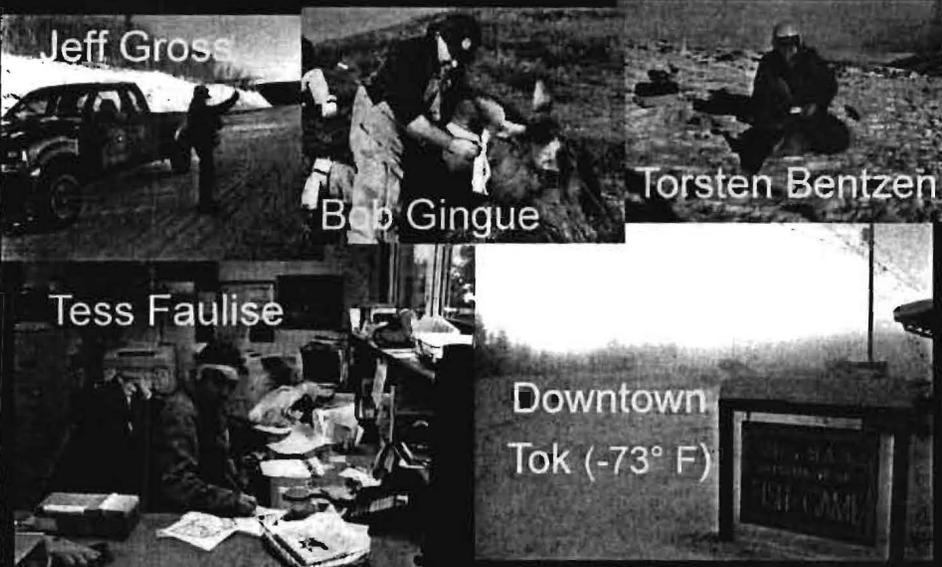
| Species and Units | Open Season | Bag Limit |
|--------------------------|---|------------------|
| (5) Lynx | | |
| ... | | |
| Unit 21 | <u>Nov. 1 – March 31</u> [NOV. 1 - LAST DAY OF FEB.] | No limit. |
| ... | | |
| Unit 24 | <u>Nov. 1 – March 31</u> [NOV. 1 - LAST DAY OF FEB.] | No limit. |
| ... | | |

3/5/2012
RC81

 **Tok ADF&G** RC 81
Wildlife Program - 2012



Tok ADF&G Office and Staff



Jeff Gross

Bob Gingue

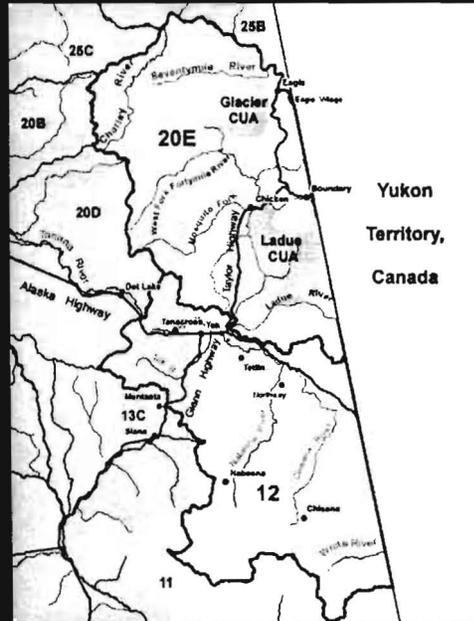
Torsten Bentzen

Tess Faulise

Downtown Tok (-73° F)

Tok Area

- Diverse Habitat
- Diverse Land Ownership
- 13 Communities
- 3 ACs



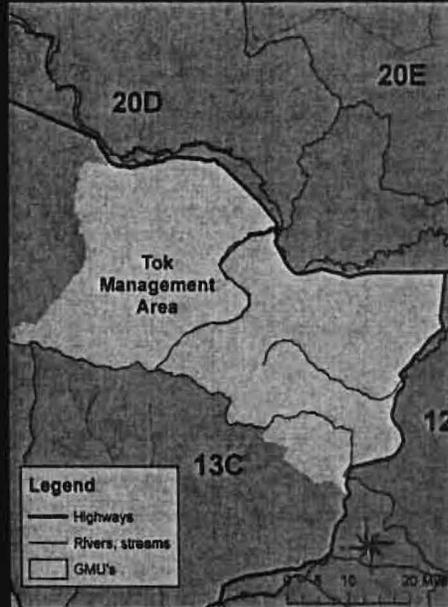
Controlled Use Areas (CUA)

- Glacier Mountain CUA (Unit 20E)
- Ladue River CUA (Unit 20E)



Management Areas

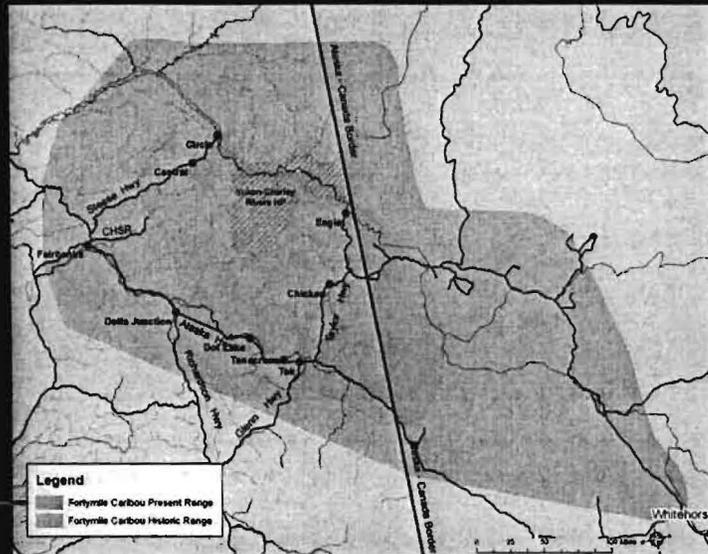
- ✓ Tok Management Area (Unit 12)
 - ✓ Trophy Sheep Management
 - ✓ Uncrowded Hunting Conditions



Caribou – Chisana Herd



Caribou – Fortymile Herd



Caribou – Fortymile Herd

High Levels of Human Use

Intensive Management Objectives

➤ Population 50,000 – 100,000

➤ Harvest 1,000 – 15,000

Harvest guided by 2006-2012 Harvest Management Plan

Caribou – Fortymile Herd

Current Population Est.

- 51,675 caribou (2010)
- Increasing

Management Activities

- Photo Census
- Fall Comp
- Spring Birthrate
- Harvest Monitoring



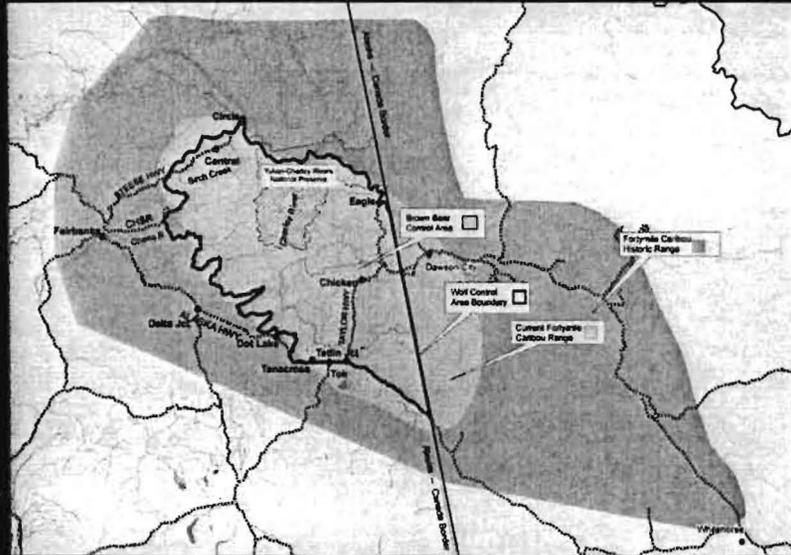
Caribou – Fortymile Herd

Harvest

- Fall and Winter Registration Hunts
 - ~3,000 Hunters Annually
 - RY10 and RY11 Quota of 1000 Caribou
 - season and area allocation
- Revised Harvest Plan
 - Guide harvest (2012-2018)



Caribou – Fortymile Herd



Moose – Unit 12

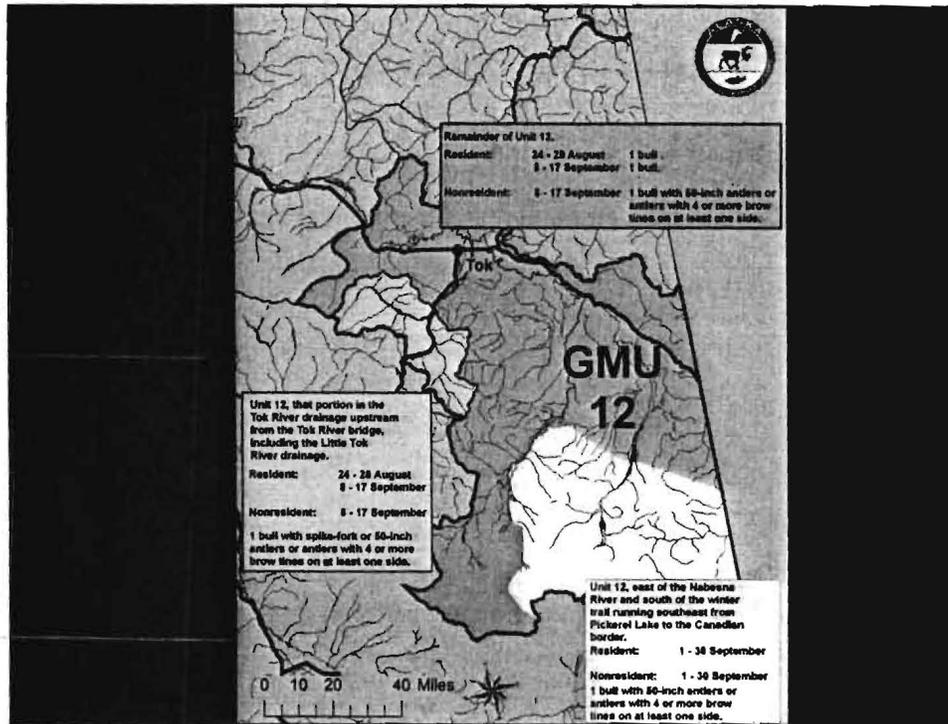
High Levels of Human Use
Intensive Management Objectives



- Population 4,000 – 6,000
- Harvest 250 – 450

Current Population Estimate = 4,300-5,600

Current Harvest = 131 (avg. 2002-2010)



Moose – Unit 12

Management Activities

- Population surveys
- Twinning counts
- Periodic browse surveys
- Harvest Monitoring
 - General Harvest Reports

Moose – Unit 20E

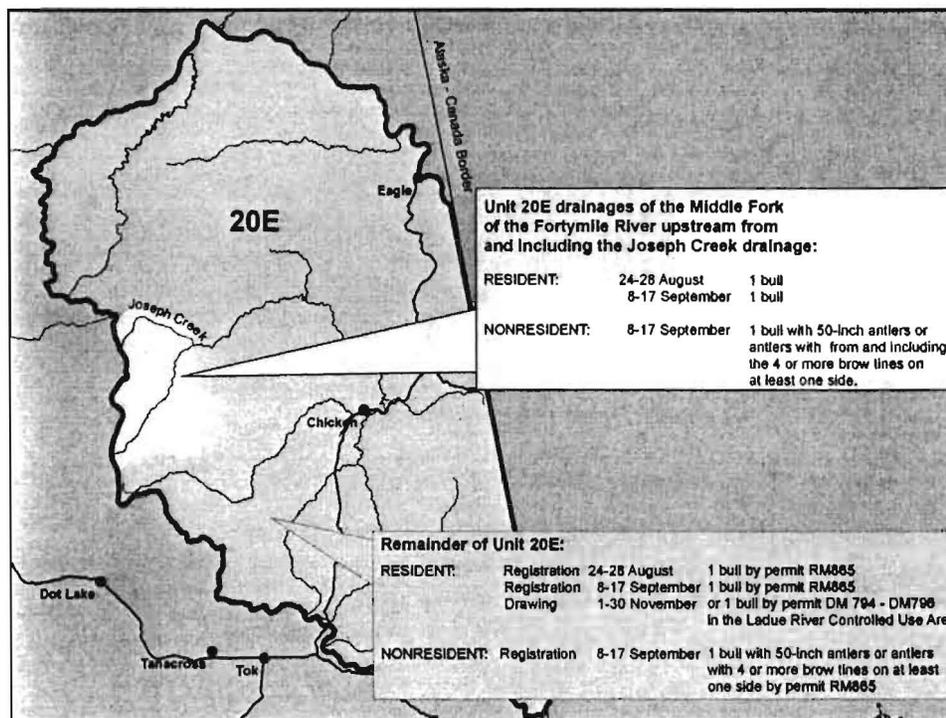
High Levels of Human Use

Intensive Management Objectives

- Population 8,000 – 10,000
- Harvest 500 – 1,000

Current Population Estimate = 3,900 – 5,400

Current Harvest = 169 (5-year avg.)



Wolves

Units 12 and 20E

- High densities
- Primary management related to Wolf Control Program



Grizzly Bears

Units 12 and 20E

- Relatively high densities

Harvest (5-year avg.)

- Unit 12 – 17 bears/year
- Unit 20E – 15 bears/year
- Sustainable Levels



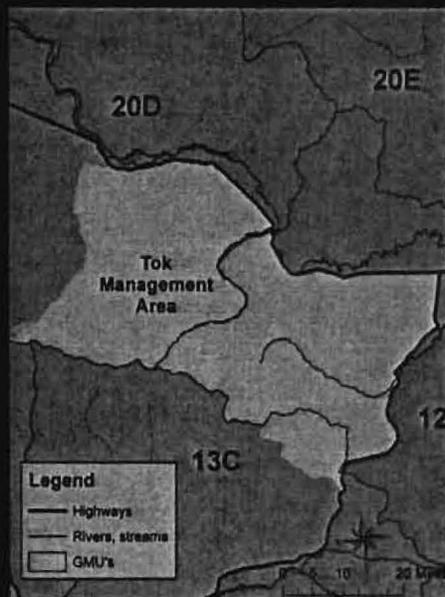
Black Bears



Sheep

Tok Management Area

- 81 Permits
- 30-45 Rams Annually
- Mt. Harper Permit Hunt
- 4 Permits
- 0-2 Rams Annually



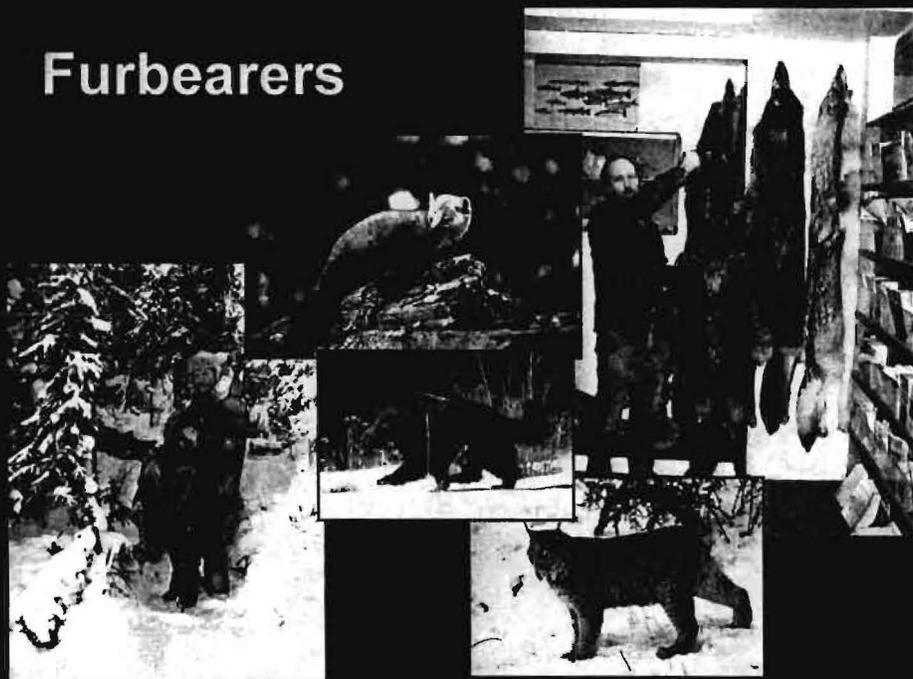
Sheep

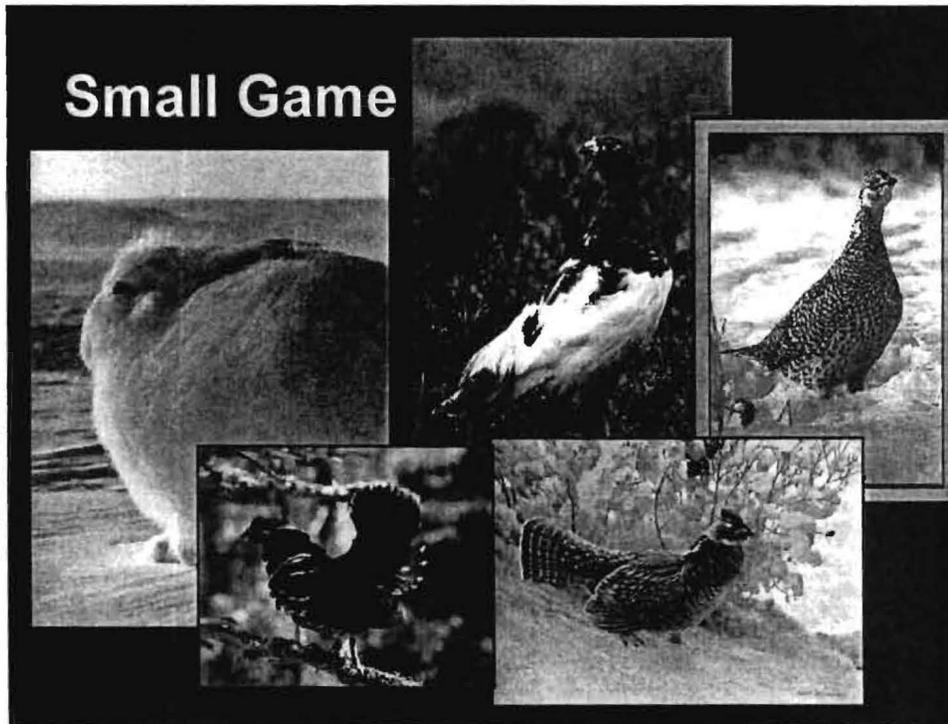
Management Activities

- Annual Survey –TMA
- Periodic Surveys
 - Unit 12 – N. Wrangell Mts.
 - Unit 20E – Tanana Hills
- Seal ~50-60 Rams/Year



Furbearers







RC82

RC 82

Upper Yukon/Tanana Predation Control Program BOG Report 2004-2012



(Unit 20E and portions of 12, 20B, 20D & 25C)

Background

- **Adopted November 2004**
 - Reduce Predation - wolves and brown bears
 - Increase moose –portions of Units 12 and 20E

- **Implemented January 2005**
 - Up to 5-Years

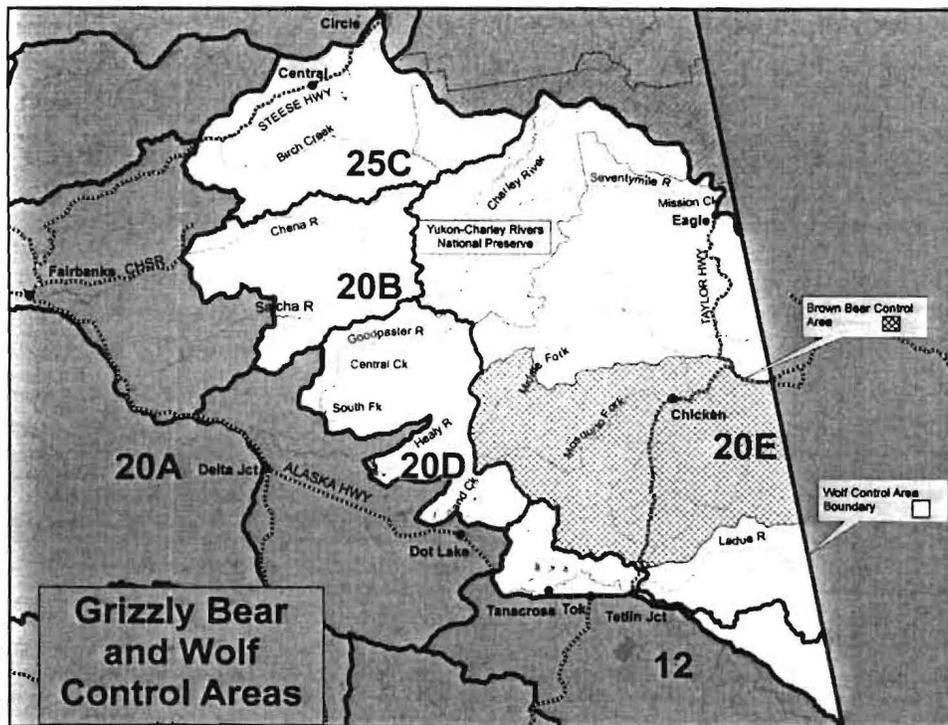
- **Expanded May 2006**
 - **Wolf Control Area**
 - Fortymile Caribou Range
 - Larger portion of Units 12 and 20E – Moose
 - **Bear Control Area**
 - Larger Portion of southern Unit 20E

Background

- Amended and Reauthorized in March 2009
- Bear Control – Suspended (July 1, 2009)
- Wolf Control – Continued
 - Helicopters allowed
 - Department – Shooting
 - Public – Retrieval
- 5-year authorization (July 1, 2009 – July 1, 2014)
 - Fortymile Caribou – Range in AK
 - Moose - northern Unit 12 and 20E

Program Objectives

- Increase the Fortymile Caribou Herd to aid in achieving the intensive management population objective of 50,000–100,000 and harvest objective of 1,000–15,000.
- Increase the moose population in Unit 12 north of the Alaska Highway and in Unit 20E to aid in achieving the geographically proportional intensive management moose population objective of 8,744–11,116 and harvest objective of 547–1,084.



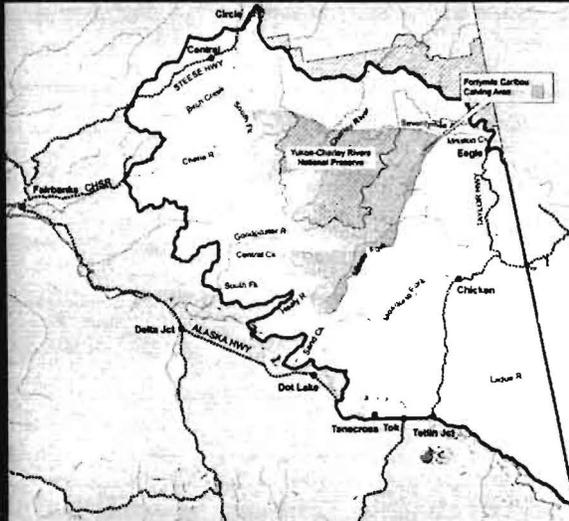
Wolf Control Objective

- 75% reduction in the pre-control population (350-410 wolves)
- Minimum population objective = 88 wolves

Wolf Control

2010-2011

- Oct. 28 - April 30
- 74 Permits Issued
 - 32 pilots
 - 42 gunners
- 62 wolves taken
 - 25 control
 - 0 by ADF&G
 - 37 hunters and trappers
- Control Objective not met



Wolf Control

2011 - 2012

- Oct. 27 - April 30
- 69 Permits Issued
 - 32 pilots
 - 37 gunners
- 8 wolves taken by all means (to date)
- Permits valid until April 30, too early to draw conclusions

Wolf Population Estimates

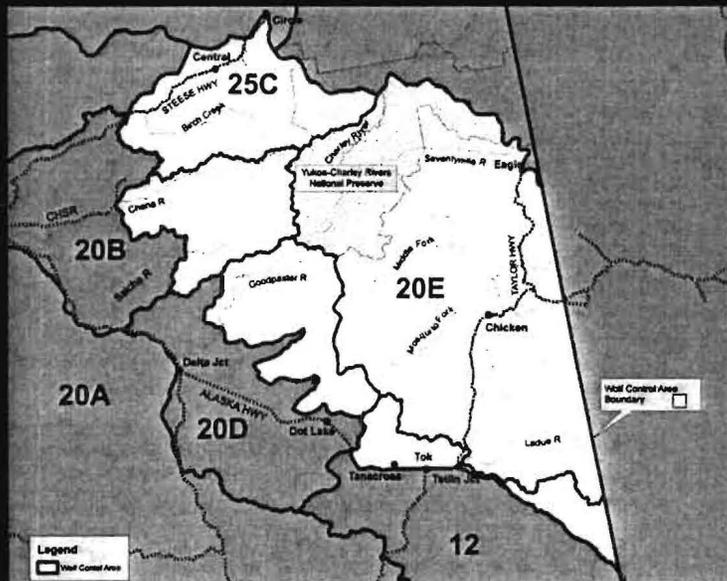
Fall 2010 Population Estimate (early fall)

- 262–285 wolves or approximately 14–15 wolves/1000 mi²

Fall 2011 Population Estimate (early fall)

- 315–342 wolves or approximately 17–18 wolves/1000 mi²

Caribou Benefit Area



Fortymile Caribou Population Status

Population Estimate = 51,675 (June 2010)

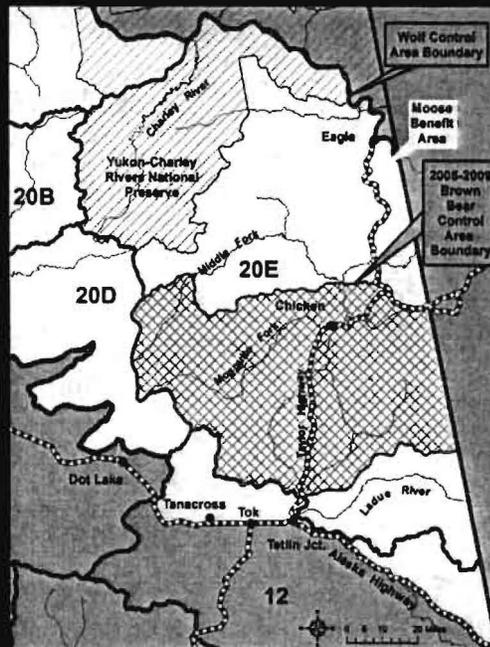
Population Composition

- 32 calves:100 cows (Oct. 2010)
- 25 calves:100 cows (Oct. 2011)

Population Trend increase expected

- July 2010 – July 2012

Moose Benefit Area



Moose Population Status

2010 Fall Population Estimate (Moose Benefit Area)

4,800 – 7,300

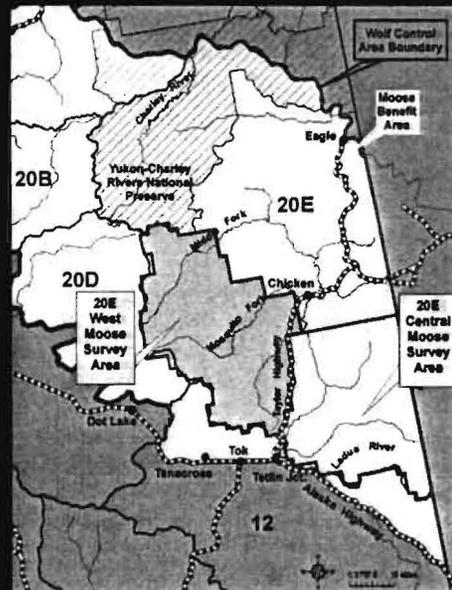
2011 (Fall) Population Estimate (Moose Benefit Area)

5,000 – 7,600

Unit 20E Moose Survey Areas (4,630 mi²)

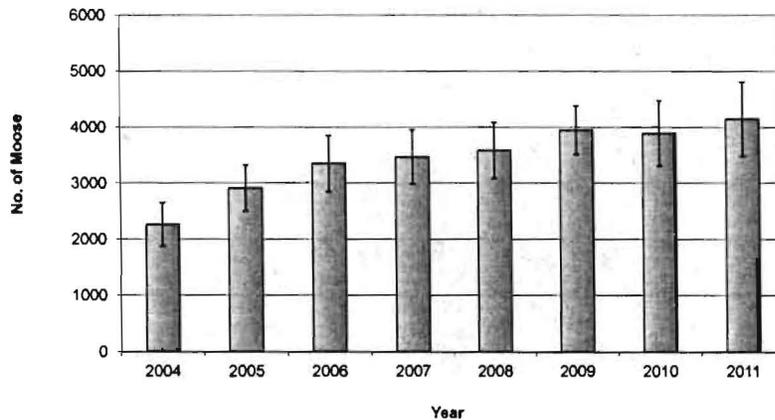
Fall Moose Surveys

2004-2009



Moose Population Status

Unit 20E West and Central Combined Moose Survey Results
2004-2011



Conclusions and Recommendations

- Continue wolf control activities
as approved by the Board
- Wolf Control - progress being made
- Bear Control – Suspended

RC83



RC 83

Proposal 191 – Modify season and bag limit for moose drawing hunts Unit 20E.

Submitted by: Upper Tanana–Fortymile AC

Effect of Proposal: Extend season by 10-days and implement antler restriction for moose drawing hunts DM794 and DM796 in Unit 20E.

Upper Tanana–Fortymile AC: Supports

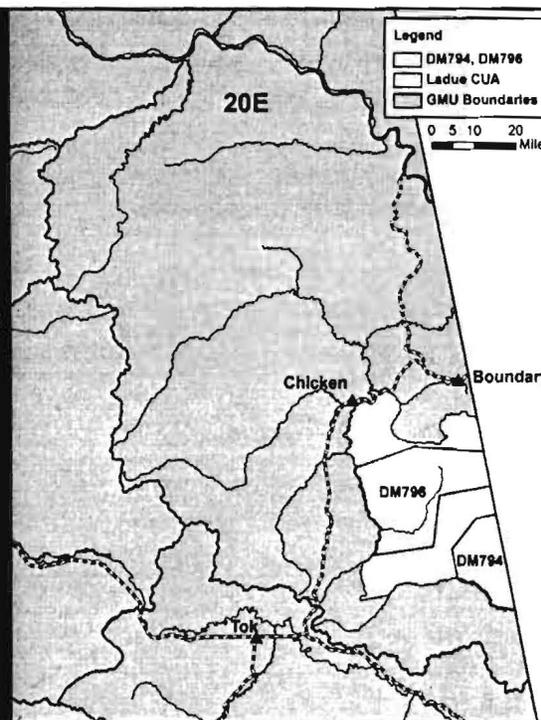
ADF&G Recommendation: No Recommendation

LRCUA

➤ 1,115 mi² in SE Unit 20E

DM794 & DM796

- Opportunity
- UTF-AC
 - Trophy Hunt



Moose Population and Harvest

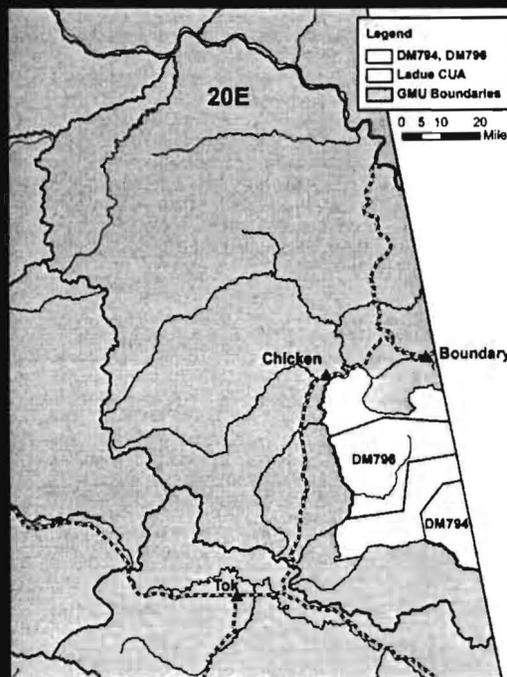
- 2011 Moose Survey
 - 61 Bulls:100 Cows
 - Management Obj. 40 bulls:100 cows
 - 0.5 Moose mi²
- 2006-2010 Total Moose Harvested
 - DM794 (3 permits issued/year)
 - < 1 moose/yr. (total = 1 moose)
 - DM796 (7 permits issued/year)
 - < 2 moose/yr. (total = 7 moose)

Conclusions

ADF&G

Recommendation:

No Recommendation



RCP4



RC 84

Proposal 192A – Modify hunt area, hunt type, seasons and harvest limits for White Mountains and Fortymile Caribou Herds.

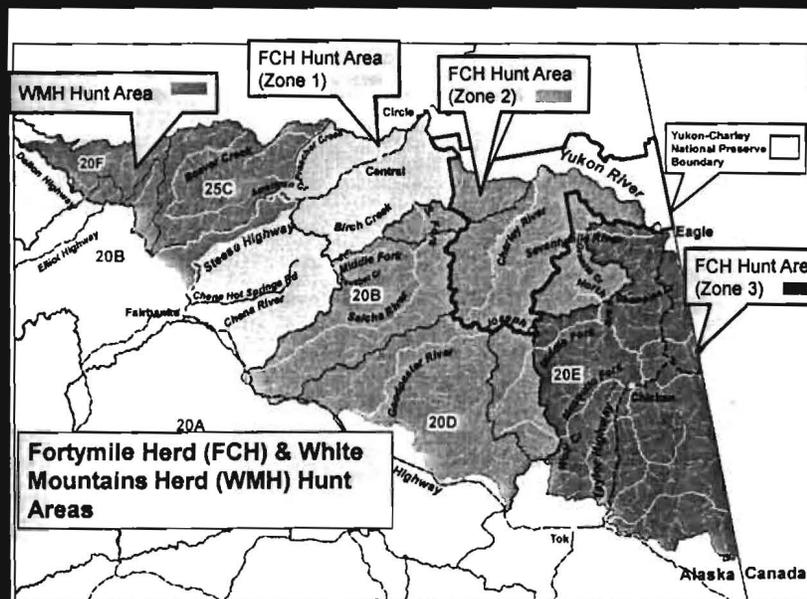
Submitted by: Fortymile Caribou Herd Harvest Management Coalition

Effect of Proposal: Single hunt for WMH and FCH, remove harvest limits, lengthen winter season and allow a limited registration hunt.

Delta, Fairbanks, Central, Eagle, Anchorage, Mat Valley and Upper Tanana–Fortymile ACs: Supports

ADF&G Recommendation: Adopt

**2012–2018 Harvest Plan Recommendations
(Regulatory Changes)**



2012-2018 Recommended Regulatory Changes

- Fall Seasons and Bag

- Opening date from to (Zones 1 & 3)

- (All Zones)

2012-2018 Recommended Regulatory Changes

-

-

-

- Winter Season

- Closing date from (All Zones)

2012-2018 Recommended Regulatory Changes

- - 1
 - 1
- - 1
- Limited Registration Hunt (Winter Hunt)

2012-2018 Recommended Regulatory Changes

- Limited Registration Hunt (Winter Hunt)
 - 1 Advertise phone in period.
 - 1 Permits issued on a first come, first serve basis.
 - 1 No more than 25 permits per hunt period.
 - 1 Hunt periods ~ 1 week.
 - Success expected to be high.
 - Total Harvest not to exceed 20% of zone quota remaining at the beginning of the first hunt period.

Proposal 192A (Amendment)

RESIDENT HUNTERS:

1 caribou by registration permit only;

Aug. 10–Sept. 30

or

Dec. 1–Mar 31

1 caribou by limited registration permit only, may be announced by emergency order within a portion of this area during Dec. 1 – March 31;

(To be announced)

Conclusions

ADF&G

Recommendation: Amend and Adopt

RC85



RC 85

Proposals 193 and 194 – Modify hunt area and seasons for Fortymile Caribou.

Submitted by: Public

Effect of Proposals:

Proposal 193 Align resident and nonresident fall season (Aug 10 – Sept 20) in zones 1 & 3 and have closed season within 1 mile of the Steese and Taylor Highways during the fall season.

Proposal 194 Establish a youth-only hunt for Fortymile caribou during August 10–15.

ADF&G Recommendation: Take No Action



RC86



RC 86

Proposal 195 – Prohibit proxy hunting for all Fortymile and White Mountain caribou hunts in Units 20B, 20D, 20E, 20F and 25C.

Submitted by: Fortymile Caribou Herd Harvest Management Coalition

Effect of Proposal: Prohibit proxy hunting for Fortymile and White Mountain caribou.

Delta, Fairbanks, Central, Eagle, Anchorage, Mat Valley and Upper Tanana–Fortymile ACs: Supports

ADF&G Recommendation: Adopt



RC87



RC 87

Proposal 196 – Allow grizzly bear baiting in Units 12 and 20E under general hunting regulations .

Submitted by: Upper Tanana–Fortymile AC

Effect of Proposal: Allow harvest of grizzly bears over bait in the spring (April 15 – June 30) under a bear baiting permit in Units 12 and 20E.

Upper Tanana–Fortymile AC: Supports

ADF&G Recommendation: No Recommendation

Grizzly Bear Population and Harvest

- **Grizzly Bear Population Estimates**
 - Unit 12 – 350–425 bears
 - Unit 20E – 320–394 bears

- **2001–2010 Grizzly Bear Harvest**
 - Unit 12 – avg. of 18 bears
 - 4-5% annually
 - Unit 20E – avg. of 14 bears
 - 3-4% annually

Upper Yukon Tanana Predator Control Program



Conclusions

ADF&G

Recommendation:

No Recommendation



RC 88



RC 88

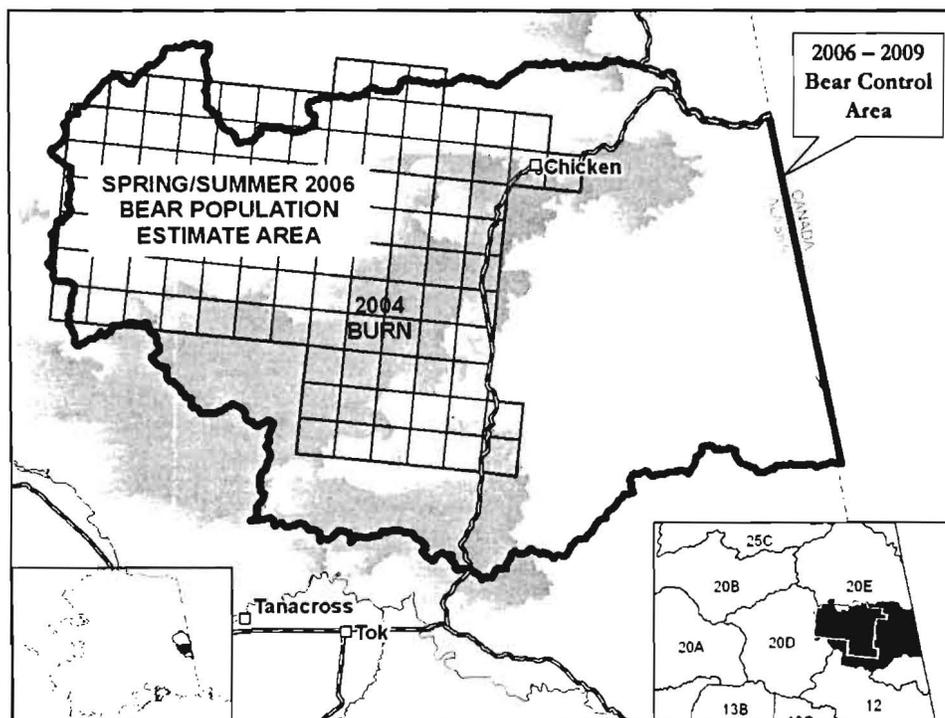
Proposal 197 – Re-implement brown bear control portion of the Upper Yukon Tanana Predator Control Program in southern Unit 20E.

Submitted by: Upper Tanana–Fortymile AC

Effect of Proposal: Allow take of any brown or black bear by foot-snaring with bait, same-day-airborne take of bears at bait sites, take of any bear, and sale of tanned hides.

Upper Tanana–Fortymile AC: Postpone until 2014

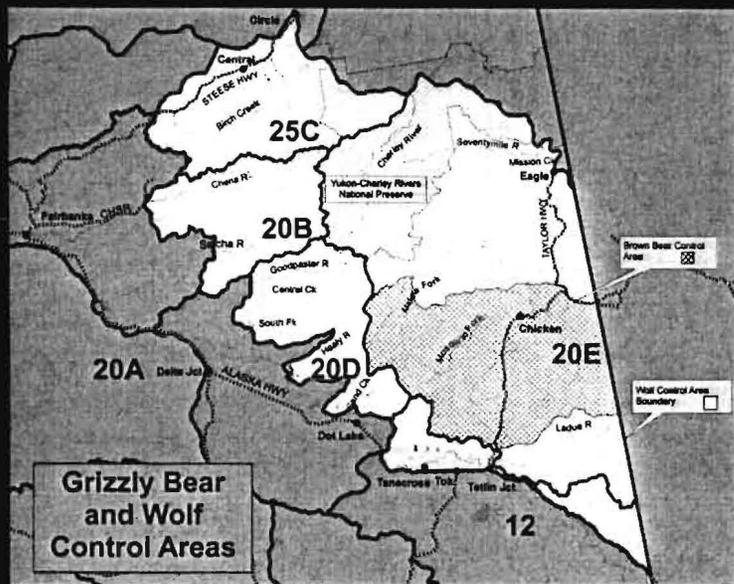
ADF&G Recommendation: Do Not Adopt



Grizzly Bear Population and Harvest

- Grizzly Bear Population
 - Unit 20E – 320–394 bears
- 2001–2010 Unit 20E Grizzly Bear Harvest
 - Avg. of 14 bears/yr.
 - 3-4% harvest rate

Upper Yukon Tanana Predator Control Program



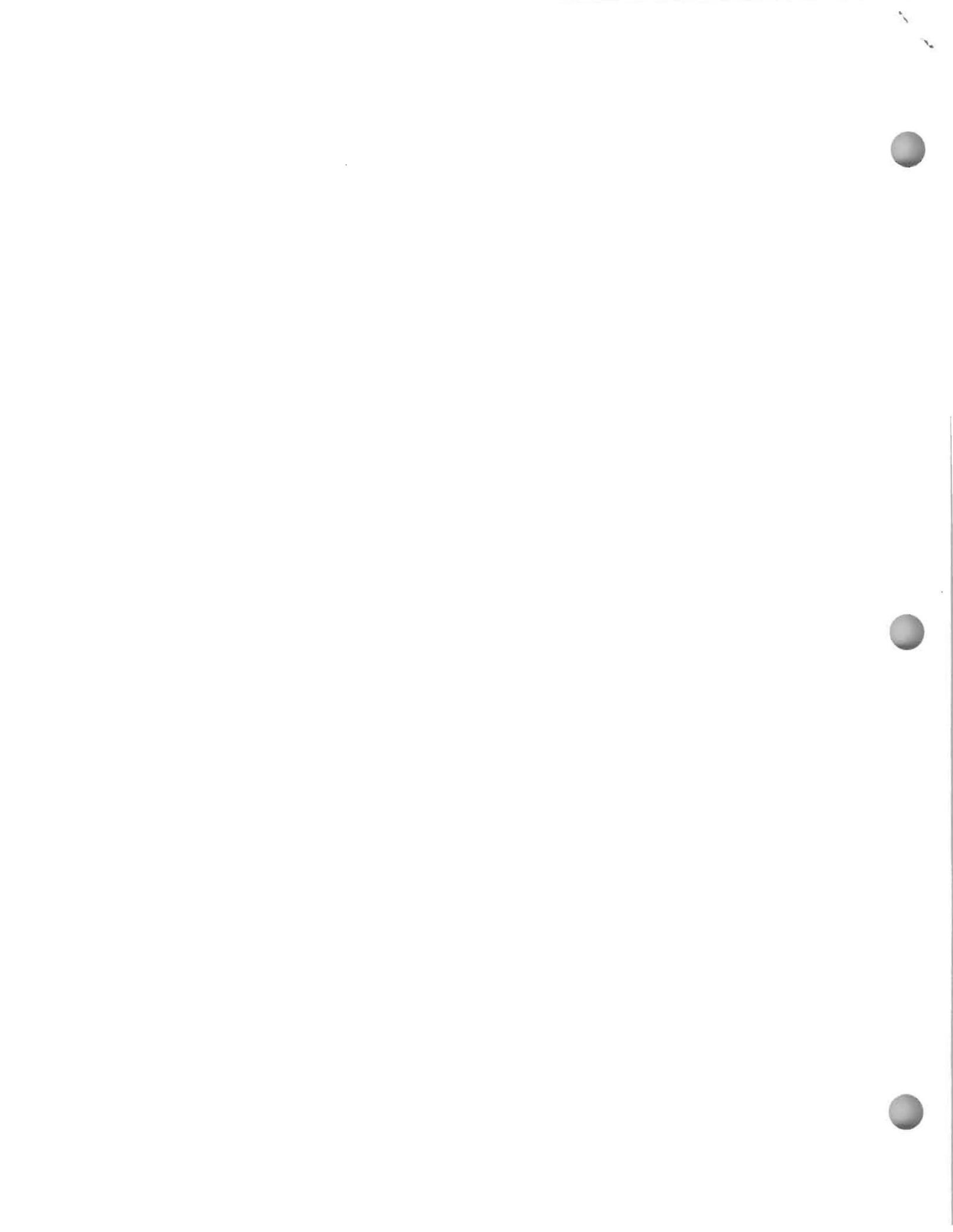
Conclusions

ADF&G

Recommendation:

Do Not Adopt





5 AAC 85.045. Hunting seasons and bag limits for moose. (a) ...

| Units and Bag Limits | Resident Open Season (Subsistence and General Hunts) | Nonresident Open Season |
|---|---|----------------------------|
| (24) | | |
| ... | | |
| <u>Unit 26(C), that portion in the drainages of Firth River and Mancha Creek and the upper Kongakut River, upstream from and including Drain Creek</u> | | |
| <u>RESIDENT HUNTERS</u> <u>1 bull by drawing permit only;</u> <u>up to 30 permits may be issued;</u> | <u>Sept. 1-25</u> | |
| <u>NONRESIDENT HUNTERS</u> <u>1 bull with 50-inch antlers or antlers with 4 or more brow tines on at least one side; by drawing permit only; up to 30 permits may be issued;</u> | | <u>Sept. 1-25</u> |
| <u>Remainder of</u> Unit 26(C) | No Open Season | No Open Season |



5 AAC 85.020. Hunting seasons and bag limits for brown bear. (a) ...

| Units and Bag Limits | Resident Open Season (Subsistence and General Hunts) | Nonresident Open Season |
|-----------------------------|---|------------------------------------|
|-----------------------------|---|------------------------------------|

(24)

...

Unit 26(B)[, THAT PORTION INCLUDING THE KADLEROSHILIK RIVER DRAINAGE SOUTH AND EAST OF THE PRUDHOE BAY CLOSED AREA, AND INCLUDING THAT PORTION OF THE ECHOOKA, IVISHAK LUPINE, AND RIBDON RIVER DRAINAGES AND THE ACCOMPLISHMENT CREEK DRAINAGE NORTH OF A LINE BEGINNING AT 69 DEGREES 08.97 MINUTES NORTH LATITUDE, 146 DEGREES 50.36 MINUTES WEST LONGITUDE ON THE DIVIDE BETWEEN THE ECHOOKA AND SHAVIOVIK RIVER DRAINAGES AND ENDING AT 68 DEGREES 35.71 MINUTES NORTH LATITUDE, 148 DEGREES 29.64 MINUTES WEST LONGITUDE, EXCLUDING THE ACCOMPLISHMENT CREEK DRAINAGE SOUTHWEST OF A LINE FOLLOWING THE WEST BANK OF ACCOMPLISHMENT CREEK FROM 68 DEGREES 35.71 MINUTES NORTH LATITUDE, 148 DEGREES 29.64 MINUTES WEST LONGITUDE TO THE CONFLUENCE OF ACCOMPLISHMENT CREEK AND THE SAGAVANIRKTOK RIVER AT 68 DEGREES 42.19 MINUTES NORTH LATITUDE, 148 DEGREES, 54.47 MINUTES WEST LONGITUDE, AND INCLUDING THAT PORTION OF

THE SAGAVANIRKTOK RIVER DRAINAGE SOUTH OF THE PRUDHOE BAY CLOSED AREA AND NORTH OF 68 DEGREES 42.19 MINUTES NORTH LATITUDE (CROSSING THE DALTON HIGHWAY NEAR MILEPOST 300), AND INCLUDING THAT PORTION OF THE KUPARUK AND TOOLIK RIVER DRAINAGES SOUTH OF THE PRUDHOE BAY CLOSED AREA AND NORTH OF A LINE AT 68 DEGREES 42.19 MINUTES, NORTH LATITUDE, EXCLUDING TRIBUTARY DRAINAGES FLOWING INTO THE KUPARUK RIVER NORTH OF THE CONFLUENCE OF THE KUPARUK AND TOOLIK RIVERS AND WEST OF THE WEST BANK OF THE KUPARUK RIVER.]

RESIDENT HUNTERS:

1 bear per regulatory year by registration permit only

Aug. 25–May 31
[JULY 1–JUNE 30]

NONRESIDENT HUNTERS:

1 bear per regulatory year by drawing [REGISTRATION] permit only, up to 20 permits may be issued

Aug. 25–May 31
[JULY 1–JUNE 30]

[REMAINDER OF UNIT 26(B)]

[RESIDENT HUNTERS:]

[1 BEAR EVERY REGULATORY YEAR]

[SEPT. 1 - MAY 31]

[NONRESIDENT HUNTERS:]

[1 BEAR EVERY REGULATORY YEAR BY DRAWING PERMIT ONLY; UP TO 20 PERMITS MAY BE ISSUED]

[SEPT. 1 - MAY 31]

Proposal 183A

RC91

5AAC 85.020. Hunting seasons and bag limits for brown bear.

Units and Bag Limits

Resident Open
Season (Subsistence
and General
Hunts)

Nonresident
Open Season

...

(23)

Unit 25(D)

RESIDENT HUNTERS:

2 bears every regulatory year

July 1–Nov 30

Mar. 1–June 30

NONRESIDENT HUNTERS.

1 bear every regulatory year

Sept. 1–Nov. 30

Mar. 1–June 15

[JULY 1–NOV. 30

MAR. 1–JUNE 30

SEPT. 1–NOV. 30

MAR. 1–JUNE 15]

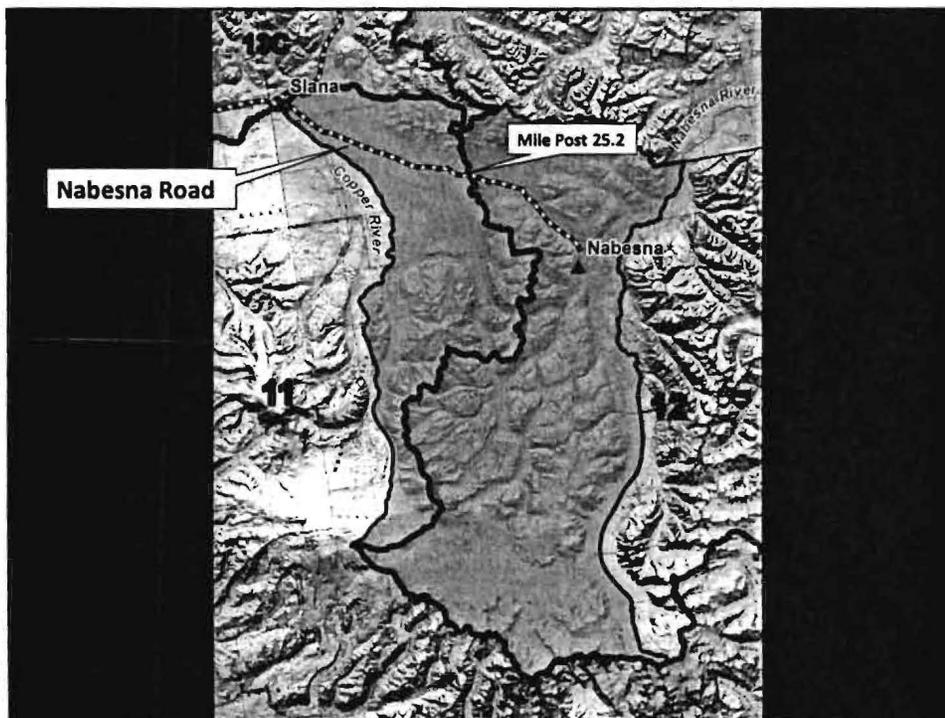


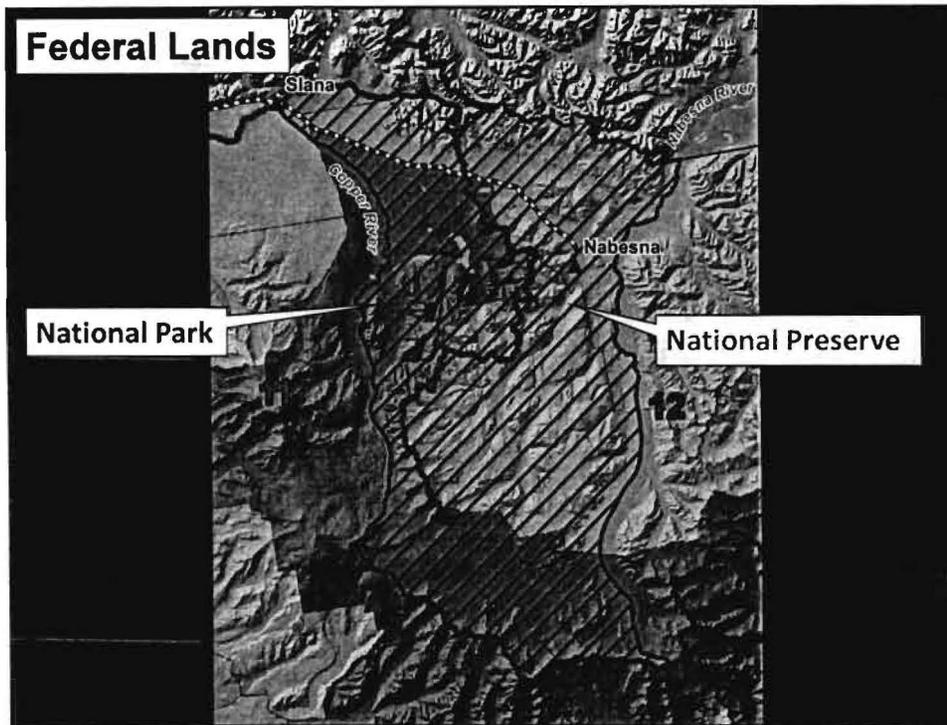
Proposal 186 – Moose Nabesna Road Area of Units 11 and 12



- **Submitted by:**
Upper Tanana/Fortymile Advisory Committee
 - Supported with amendment by Nabesna Road/Tok Cutoff AC
 - Supported with amendment by Copper Basin AC
- **Effect of Proposal:** Establish a joint state–federal registration permit and align hunting season dates and bag limits for moose in portions of Units 11 and 12 accessible from the Nabesna Road.
- **ADF&G Recommendation:**
Amend and Adopt

RC 92 and 99





**RY2011 State and Federal
Moose Regulations**

Unit 11

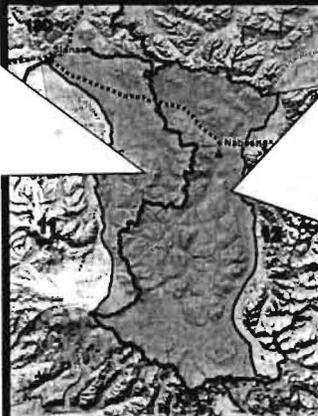
Federal Regulations:

Report: Fed. Registration Permit
Season: Aug. 20 – Sept. 20
Bag: 1 Antlered Bull

State Regulations

(Res and NR):

Report: State General Harvest
Season: Aug. 20 – Sept. 20
Bag: 1 Bull with spike-fork, or 50" or 3 brow tines



Unit 12

Federal Regulations:

Report: State General Harvest
Season: Aug. 15 – Aug. 28
 Sept. 1 – Sept. 17
Bag: 1 Bull with spike-fork (Aug. 15 – Aug. 23)
 1 Antlered Bull (Aug. 24 – 28 & Sept. 1 – 17)

State Regulations:

Report: State General Harvest (Res and NR)
Season: Aug. 24 – 28 (Res)
 Sept. 8 – 17 (Res and NR)
Bag: 1 Bull (Res)
 1 Bull with 50" or 4 brow tines (Non Res)

Proposal 186 – Goals

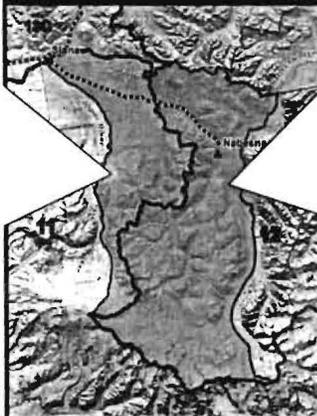
- Create joint state/federal hunt
 - reduce numbers of permits needed in the field
 - improve harvest reporting
- Align state seasons and bag limits in Units 11 and 12 within the hunt area
- Allow maximum possible opportunity to harvest moose while conserving the population

Proposed State and Federal Moose Regulations (amended)

Unit 11

Federal Regulations:
 Report: Joint State/Fed.
 Registration Permit
 Season: Aug. 20 – Sept. 20
 Bag: 1 Antlered Bull

State Regulations:
 Report: Joint State/Fed.
 Registration Permit
 (Res and NR)
 Season: Aug. 20 – Sept. 17
 (Res)
 Aug. 24 – Sept. 17
 (NR)
 Bag: 1 Bull with spike-
 fork, or 50" or 3
 brow tines (Res)
 1 Bull with 50" or
 4 brow tines (NR)



Unit 12

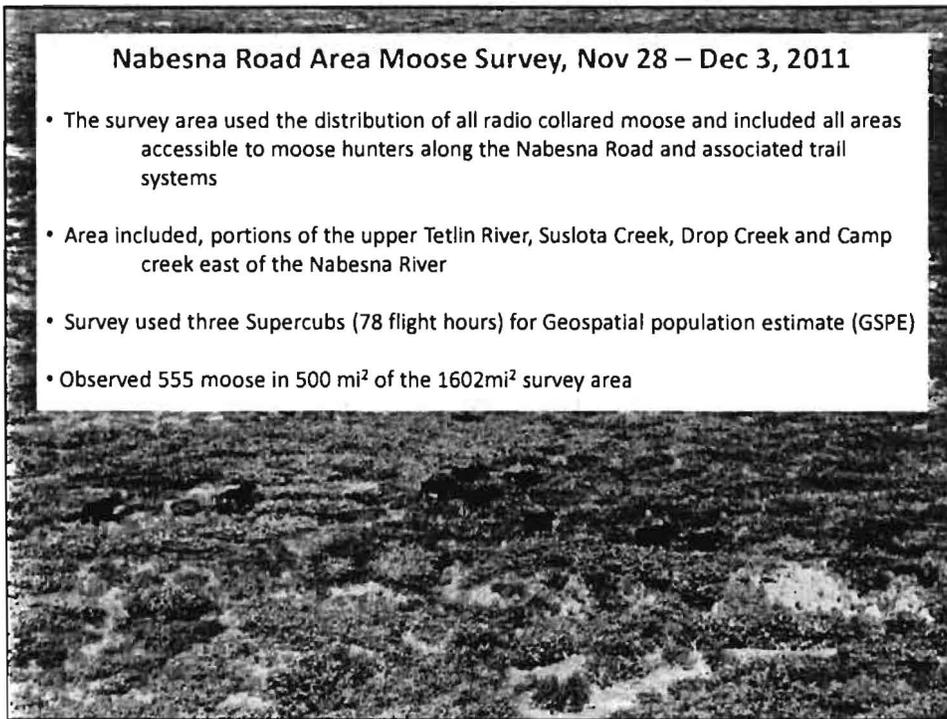
Federal Regulations:
 Report: Joint State/Fed.
 Registration Permit
 Season: Aug. 20 – Sept. 20
 Bag: 1 Antlered Bull

State Regulations:
 Report: Joint State/Fed.
 Registration Permit
 (Res and NR)
 Season: Aug. 20 – Sept. 17
 (Res)
 Aug. 24 – Sept. 17
 (NR)
 Bag: 1 Bull with spike-
 fork, or 50" or 3
 brow tines (Res)
 1 Bull with 50" or
 4 brow tines (NR)



Nabesna Road Area Moose Survey, Nov 28 – Dec 3, 2011

- The survey area used the distribution of all radio collared moose and included all areas accessible to moose hunters along the Nabesna Road and associated trail systems
- Area included, portions of the upper Tetlin River, Suslota Creek, Drop Creek and Camp creek east of the Nabesna River
- Survey used three Supercubs (78 flight hours) for Geospatial population estimate (GSPE)
- Observed 555 moose in 500 mi² of the 1602mi² survey area



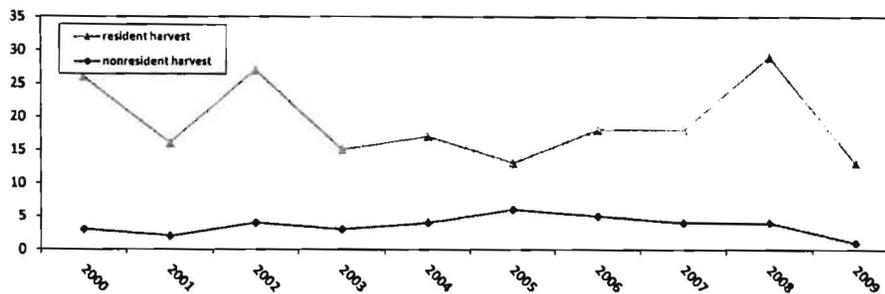
2011 Nabesna Road Area moose population estimate

1272 observable moose (SE 134 moose)

| Survey Area | Year | Survey size (mi ²) | Pop. Density Estimate (Moose/mi ²) | Bulls:100 Cows | Calves:100 Cows |
|---------------------|-------------|--------------------------------|--|----------------|-----------------|
| <u>Nabesna Road</u> | <u>2011</u> | <u>1602</u> | <u>0.79</u> | <u>34:100</u> | <u>27:100</u> |
| NW Unit 12 | 2008 | 2703 | 1.19 | 35:100 | 35:100 |
| Tetlin NWR | 2008 | 2954 | 0.62 | 62:100 | 25:100 |
| North Unit 11 | 2003-2008 | - | 0.8 | 46:100 | 12:100 |

Hunter Harvest (2000-2009)

- Number of hunters fluctuated from 105 to 160
- Harvest averaged 23 moose (range 14–33)
- Available legal bulls unit wide exceed ANS
 - ANS for all of unit 12 is 60–70 moose
 - ANS for all of unit 11 is 30–40 moose



| | Current State Regulations | Federal Regulations | Federal Proposal WP12-70 | State Proposal 136 |
|------------------|--|--|---|---|
| <u>Season</u> | <u>Unit 11</u> (State General Harvest) Aug. 20-Sept. 20 (Res and NR) | <u>Unit 11</u> (by Federal Registration permit) Aug. 20-Sept. 20 | <u>Unit 11 and 12</u> (by Joint State/Federal Registration Permit) Aug. 20-Sept. 20 | <u>Unit 11 and 12</u> (by Joint State/Federal Registration Permit) Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) |
| <u>Bag limit</u> | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 3 or more brow lines on one side | 1 Antlered Bull | 1 Antlered Bull | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 4 or more brow lines on one side (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow lines on one side (NR) |
| <u>Season</u> | <u>Unit 12</u> (State General Harvest) Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) | <u>Unit 12</u> (State General Harvest) Aug. 15-Aug. 23 | | |
| <u>Bag limit</u> | 1 Antlered Bull (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow lines on one side (NR) | 1 Bull with spike fork Antlers | | |
| <u>Season</u> | | Aug. 24-Aug. 28 and Sept. 1-Sept. 17 | | |
| <u>Bag limit</u> | | 1 Antlered Bull | | |

| | Current State Regulations | Federal Regulations | Federal Proposal WP12-70 | State Proposal 136 |
|------------------|--|--|---|---|
| <u>Season</u> | <u>Unit 11</u> (State General Harvest) Aug. 20-Sept. 20 (Res and NR) | <u>Unit 11</u> (by Federal Registration permit) Aug. 20-Sept. 20 | <u>Unit 11 and 12</u> (by Joint State/Federal Registration Permit) Aug. 20-Sept. 20 | <u>Unit 11 and 12</u> (by Joint State/Federal Registration Permit) Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) |
| <u>Bag limit</u> | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 3 or more brow lines on one side | 1 Antlered Bull | 1 Antlered Bull | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 4 or more brow lines on one side (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow lines on one side (NR) |
| <u>Season</u> | <u>Unit 12</u> (State General Harvest) Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) | <u>Unit 12</u> (State General Harvest) Aug. 15-Aug. 23 | | |
| <u>Bag limit</u> | 1 Antlered Bull (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow lines on one side (NR) | 1 Bull with spike fork Antlers | | |
| <u>Season</u> | | Aug. 24-Aug. 28 and Sept. 1-Sept. 17 | | |
| <u>Bag limit</u> | | 1 Antlered Bull | | |

| | Current State Regulations | Federal Regulations | Federal Proposal WP12-70 | State Proposal 186 |
|--|--|--|--|---|
| <u>Unk 11</u> (State General Harvest) | <u>Unk 11</u> (by Federal Registration permit) | <u>Unk 11 and 12</u> (by Joint State/Federal Registration Permit) | <u>Unk 11 and 12</u> (by Joint State/Federal Registration Permit) | |
| <u>Season</u> | Aug. 20-Sept. 20 (Res and NR) | Aug. 20-Sept. 20 | Aug. 20-Sept. 20 | Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) |
| <u>Bag limit</u> | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 3 or more brow tines on one side | 1 Antlered Bull | 1 Antlered Bull | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 4 or more brow tines on one side (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow tines on one side (NR) |
| <u>Unk 12</u> (State General Harvest) | <u>Unk 12</u> (State General Harvest) | <u>Unk 12</u> (State General Harvest) | | |
| <u>Season</u> | Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) | Aug. 15-Aug. 23 | | |
| <u>Bag limit</u> | 1 Antlered Bull (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow tines on one side (NR) | 1 Bull with spike fork Antlers | | |
| <u>Season</u> | | Aug. 24-Aug. 28 and Sept. 1-Sept. 17 | | |
| <u>Bag limit</u> | | 1 Antlered Bull | | |

| | Current State Regulations | Federal Regulations | Federal Proposal WP12-70 | State Proposal 186 |
|--|--|--|--|---|
| <u>Unk 11</u> (State General Harvest) | <u>Unk 11</u> (by Federal Registration permit) | <u>Unk 11 and 12</u> (by Joint State/Federal Registration Permit) | <u>Unk 11 and 12</u> (by Joint State/Federal Registration Permit) | |
| <u>Season</u> | Aug. 20-Sept. 20 (Res and NR) | Aug. 20-Sept. 20 | Aug. 20-Sept. 20 | Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) |
| <u>Bag limit</u> | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 3 or more brow tines on one side | 1 Antlered Bull | 1 Antlered Bull | 1 Bull with spike-fork antlers or 50-inch antlers or antlers with 4 or more brow tines on one side (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow tines on one side (NR) |
| <u>Unk 12</u> (State General Harvest) | <u>Unk 12</u> (State General Harvest) | <u>Unk 12</u> (State General Harvest) | | |
| <u>Season</u> | Aug. 24-Aug. 28 and Sept. 8-Sept. 17 (Res) Sept. 8-17 (NR) | Aug. 15-Aug. 23 | | |
| <u>Bag limit</u> | 1 Antlered Bull (Res) 1 Bull with 50-inch antlers or antlers with 4 or more brow tines on one side (NR) | 1 Bull with spike fork Antlers | | |
| <u>Season</u> | | Aug. 24-Aug. 28 and Sept. 1-Sept. 17 | | |
| <u>Bag limit</u> | | 1 Antlered Bull | | |

Department amended proposal

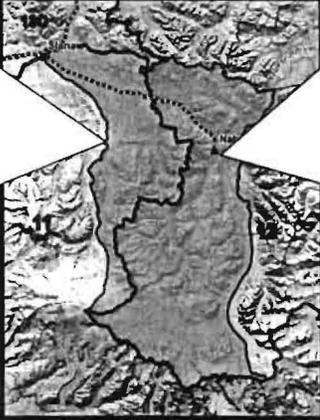
Unit 11

State Regulations:
Report: Joint State/Fed.
Registration Permit
(Res and NR)

Season: Aug. 20 – Sept. 17
(Res)
Aug. 24 – Sept. 17
(NR)

Bag: 1 Bull with spike-
fork, or 50" or 3
brow tines (Res)

1 Bull with 50" or
4 brow tines (NR)



Unit 12

State Regulations:
Report: Joint State/Fed.
Registration Permit
(Res and NR)

Season: Aug. 20 – Sept. 17
(Res)
Aug. 24 – Sept. 17
(NR)

Bag: 1 Bull with spike-
fork, or 50" or 3
brow tines (Res)

1 Bull with 50" or
4 brow tines (NR)

Proposal 186

Advisory committee support

- Upper Tanana Fortymile AC
 - Support as amended
- Nabesna Road/Tok Cutoff AC
 - 50 inch or 3 brow tine restriction for both Res. and NR
- Copper Basin AC
 - Aug 20 – Sept 20 season for both Res. and NR
 - 50 inch or 3 brow tine restriction for both Res. and NR

Subsistence Concerns

Proposal 186 as amended contains a restriction to the bag limit in unit 12 for residents but with an extension in season length. Given this combination, the board may wish to determine if reasonable opportunity is still provided.

Proposal 186

Establish a joint state–federal registration permit and align hunting season dates and bag limits for moose in portions of Units 11 and 12 accessible from the Nabesna Road

Recommendation: Amend and Adopt

