

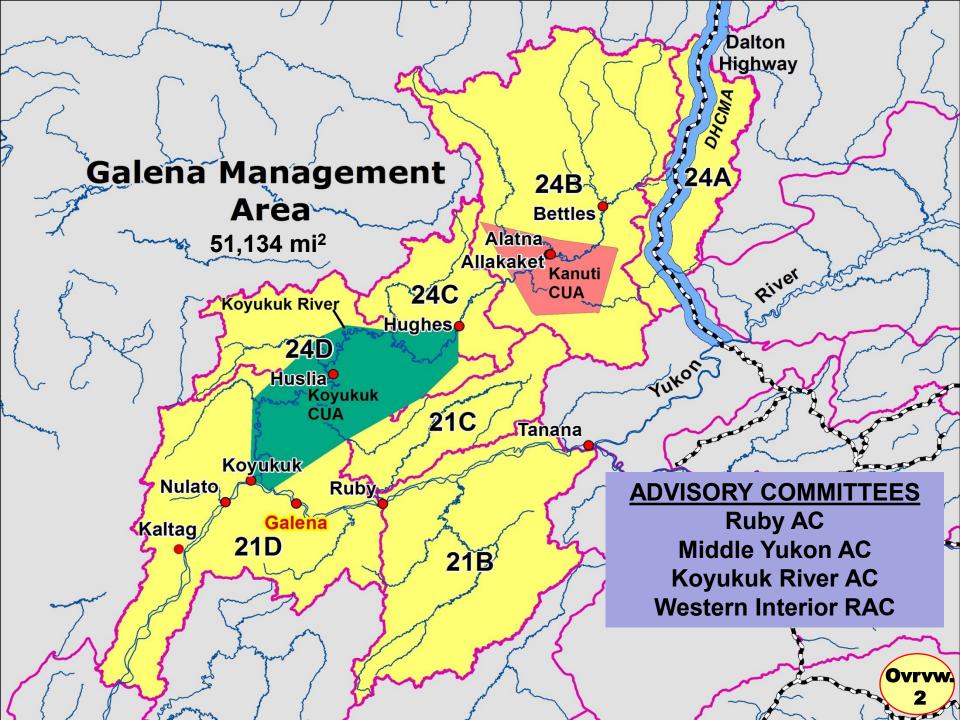


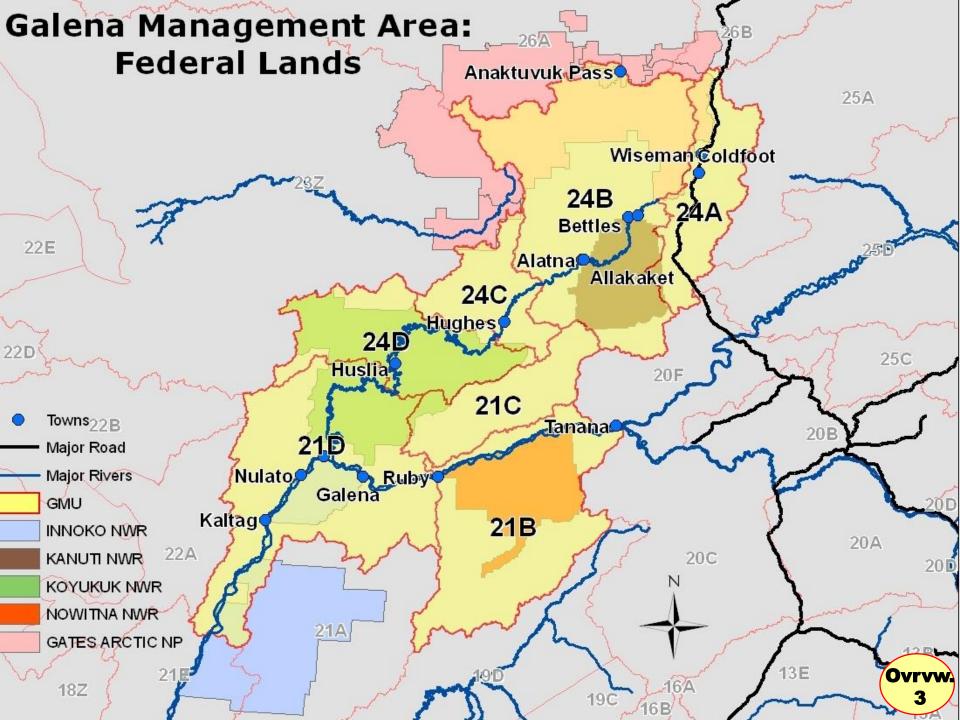
# Galena Management Area Overview

Glenn Stout – Area Biologist
Nate Pamperin – Assistant Area Biologist
Carl Roberts – Wildlife Technician

**Stephanie Sweetsir – Off. Asst.** 







## **Galena Area Overview**

<u>Species</u>	<u>Status</u> P	<u>roposals</u>
Black Bears	Stable?	1 ]
<b>Grizzly Bears</b>	Stable?	1 5
Caribou	Stable	0
Moose	Stable-declining	4
Sheep	Stable	0
Wolves	Stable	0
Furbearers	Stable (marten low	<b>/)</b> 1
Small Game	Stable (down cycle	<u> </u>

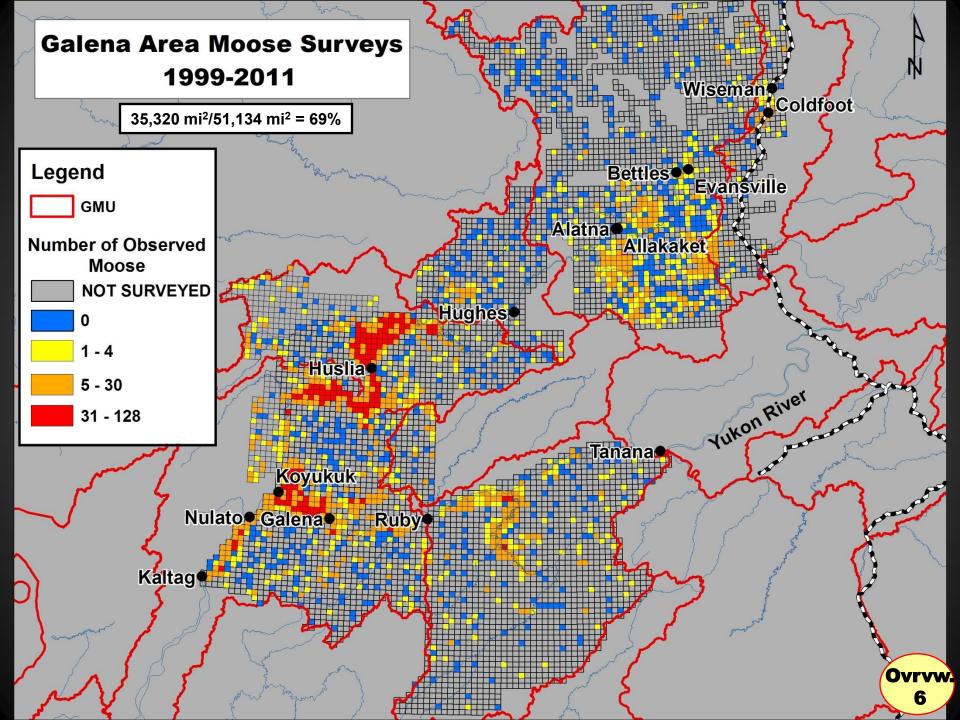


## Galena Area Overview

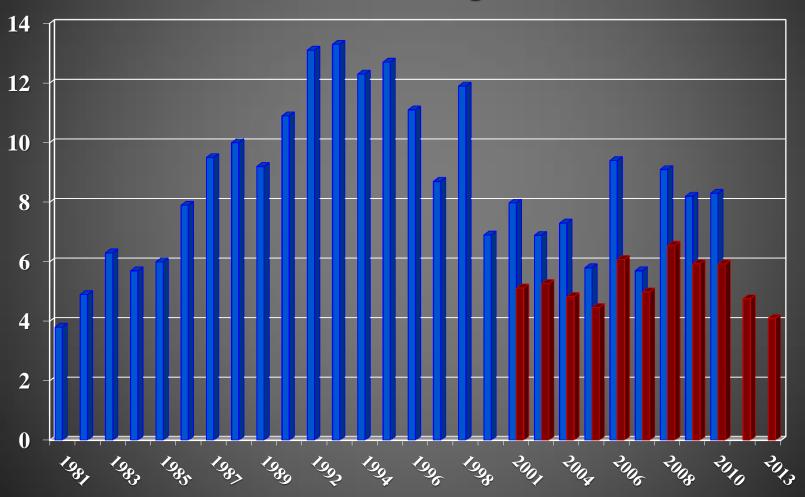
## Moose Management Issues

- Intensive Management in 24B (UKMA)
- Moose declines in Lower Koyukuk and Lower Nowitna
  - Reduced Koyukuk CUA permits
- Hunter Compliance with Antler Cutting
- Increasing nonlocal resident hunters

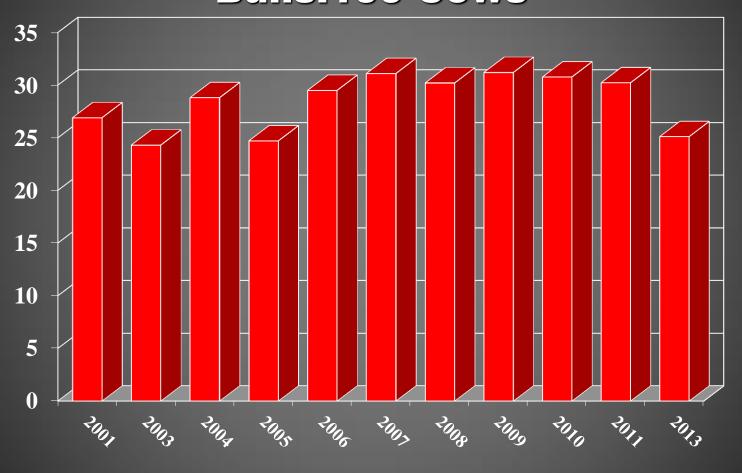




## GMU 21D - Three-Day Slough Trend Count Area, Aerial Survey Density

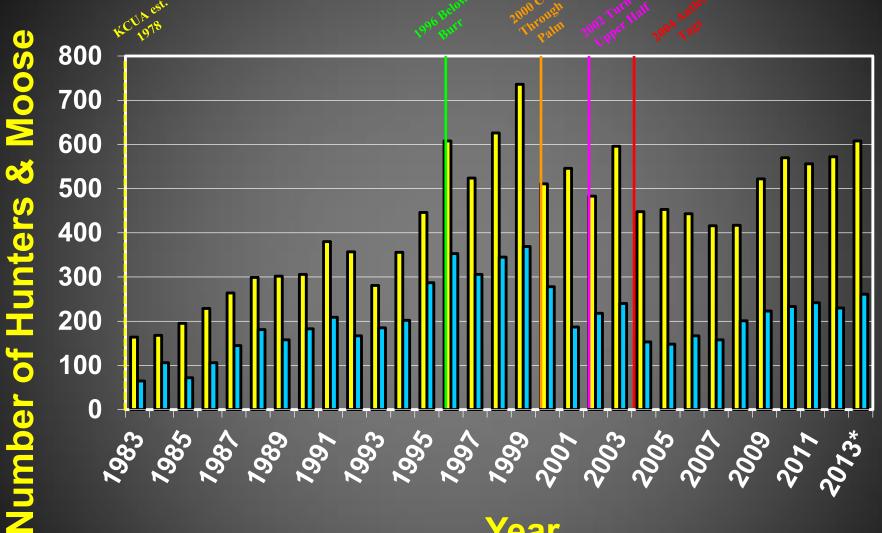


### GMU 21D - Koyukuk Controlled Use Area – "Core 5" Trend Count Areas Bulls:100 Cows



■ Bulls:100 Cows

## KCUA Check Station 1983-2013



Year

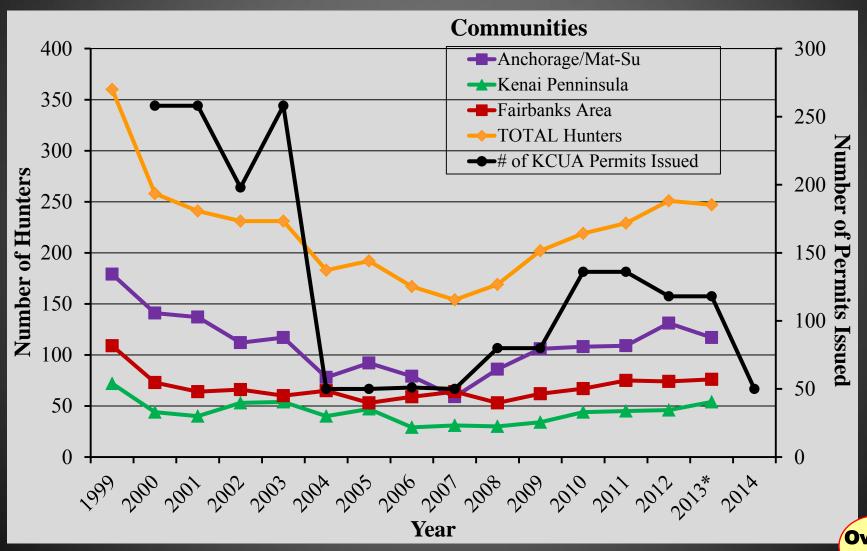
Hunters

Moose

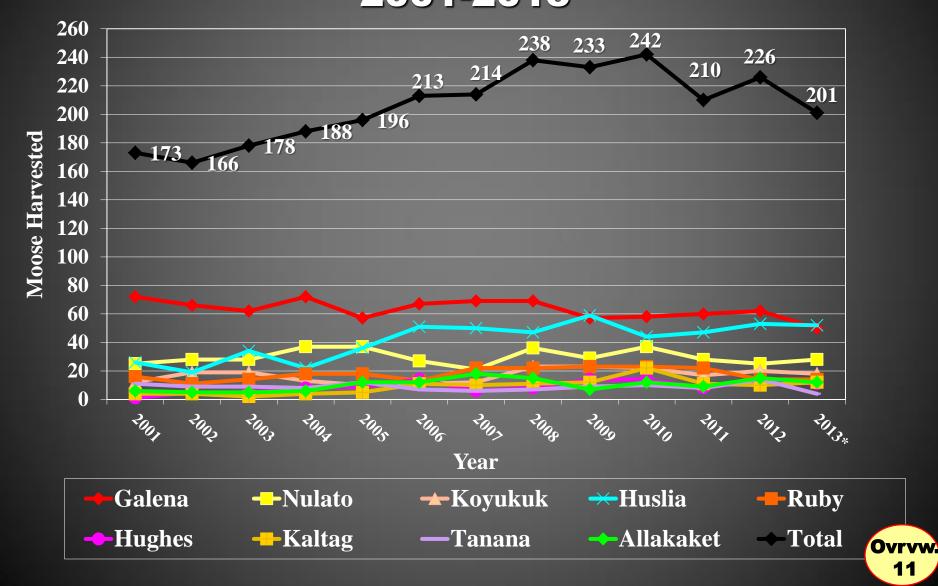


#### Galena Area - Nonlocal Resident Moose Hunters

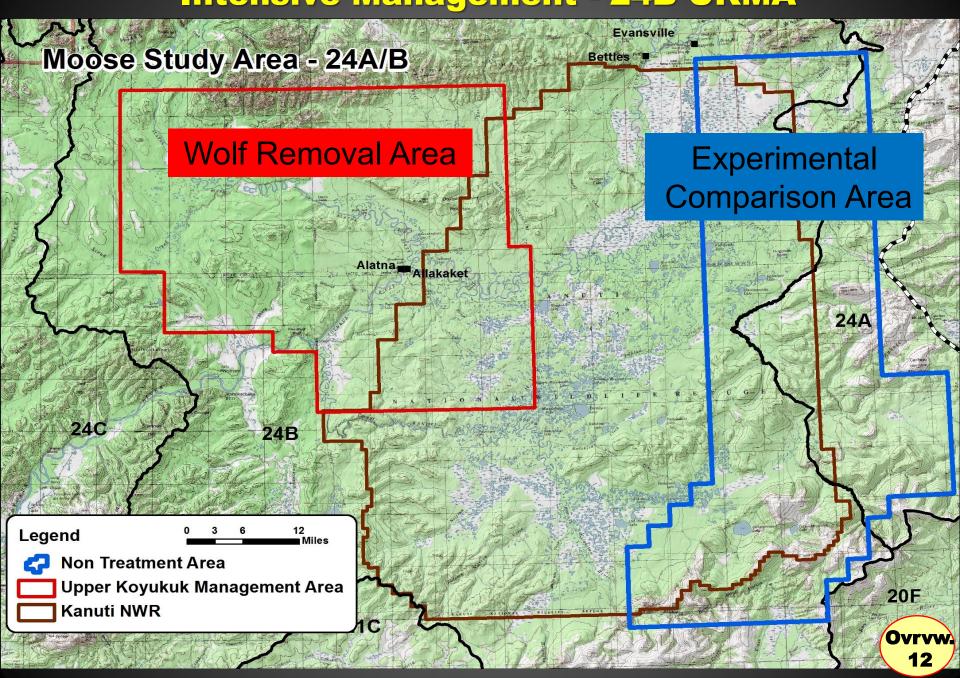
1999-2014



# Preliminary (01/16/14) Local Resident Reported Moose Harvest 2001-2013



#### **Intensive Management - 24B UKMA**



- Activities Completed 2011-14
  - Subsistence Household Harvest Surveys

RY	(1)			(2)				
	Allakaket/Alatna Household Surveys <sup>a</sup>			Harvest Reports <sup>b</sup>		(A) TITZNEA		
	"Catch-per-unit-effort"		Estimated	Allakaket/	24B	24B	(3) UKMA	
	Miles per	Cost per	Hours	Harvest <sup>c</sup>	Alatna	Harvest	Total	Calculated Harvest <sup>e</sup>
	Trip	Trip	per		harvest <sup>c</sup>	(all other	Harvest <sup>d</sup>	narvest
	-	-	Trip			hunters)		
2011	65.8	\$86.37	13.2	16.2	4	28	31	16
2012	58.1	\$99.99	14.4	18.7	13	24	33	16
2013	n/a	n/a	n/a	14*	2	25	26	<14*

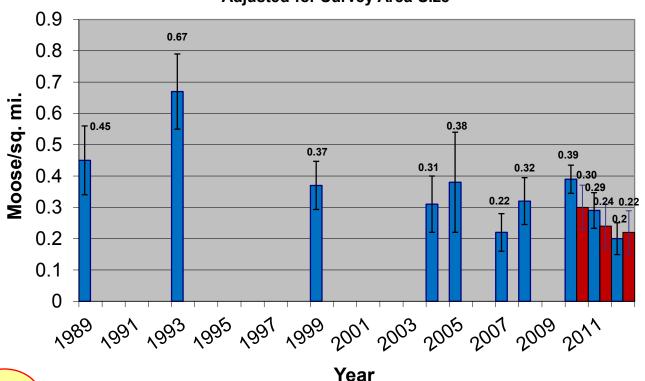
- Moose Twinning Rate/Population Estimation Surveys
- Calf and Yearling Survival Rate
- Predation Control



#### **Moose Population/Twinning Surveys**

#### **24B Moose Density Estimates**

Moosepop '89 & '93, w/o SCF in '93, GSPE in '99 through '13 Adjusted for Survey Area Size



#### **2013 Results**

**67** Bulls:100 Cows

11 Yrlg bull:100 Cows

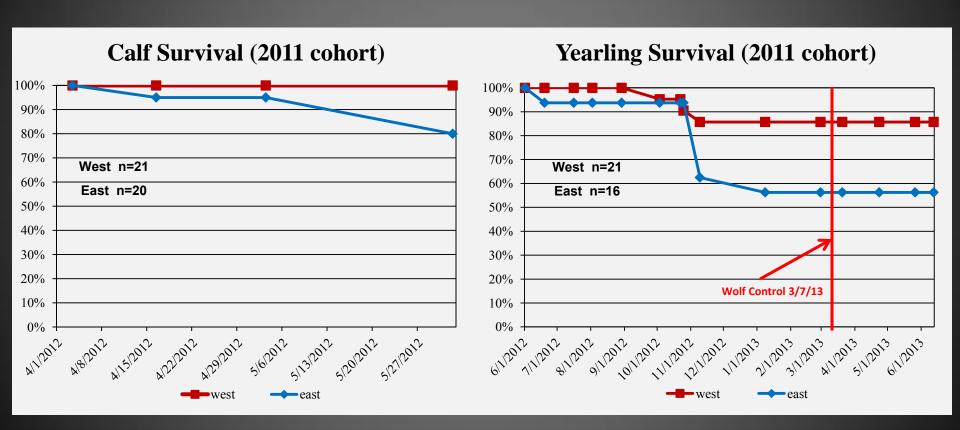
**35** calv.:100 Cows



Kanuti

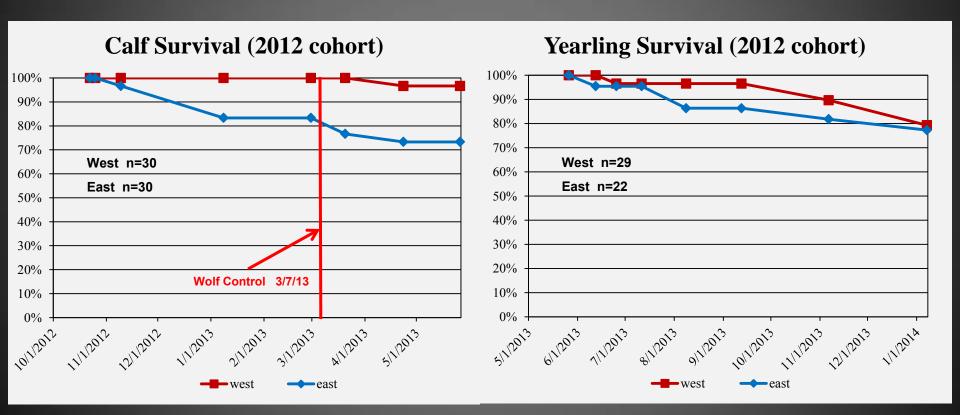
■ IM Area

#### **Survival Rate Assessment**

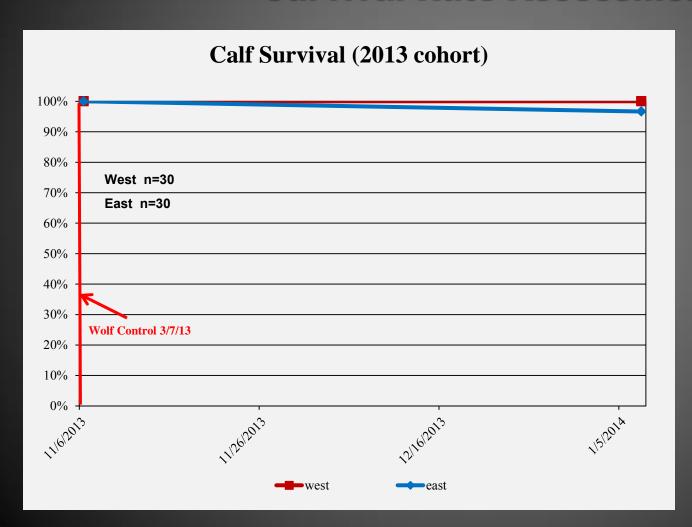




#### **Survival Rate Assessment**



#### **Survival Rate Assessment**



**Mortality Factors** 

Wolves 21

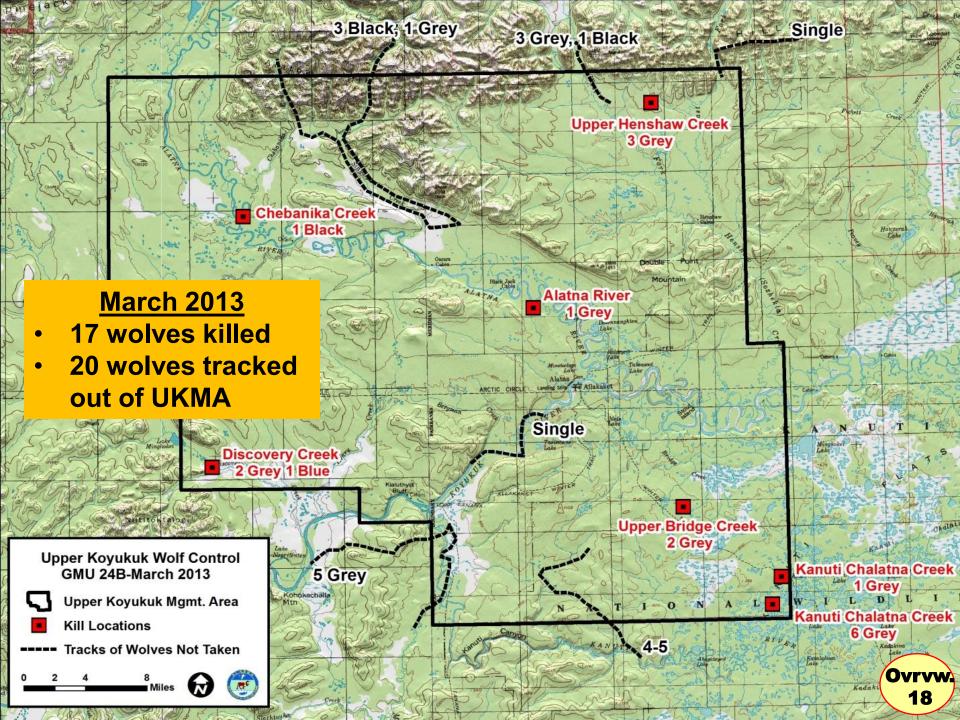
Bears 2

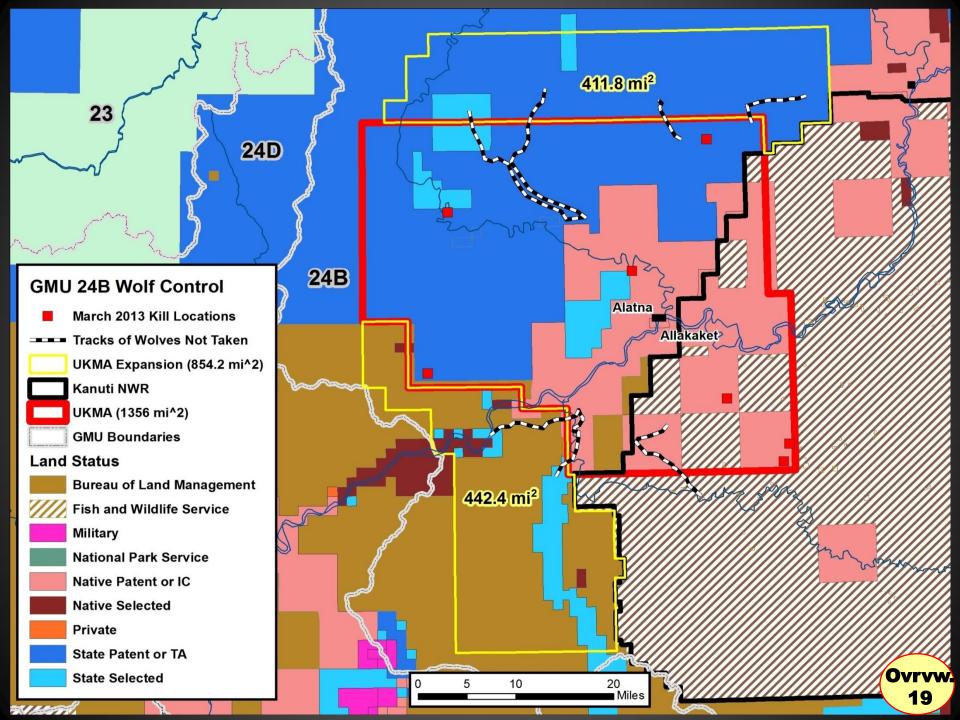
Unknown Predator

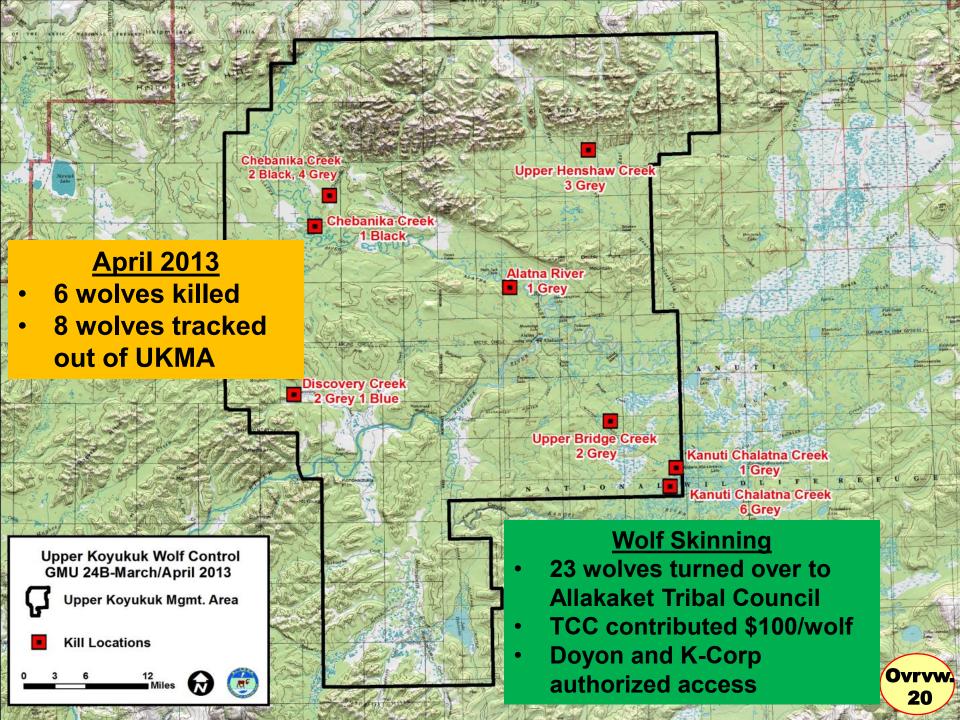
Unknown 9

TOTAL 39













## Galena Mgt. Area

## **BOG Proposals**

2014





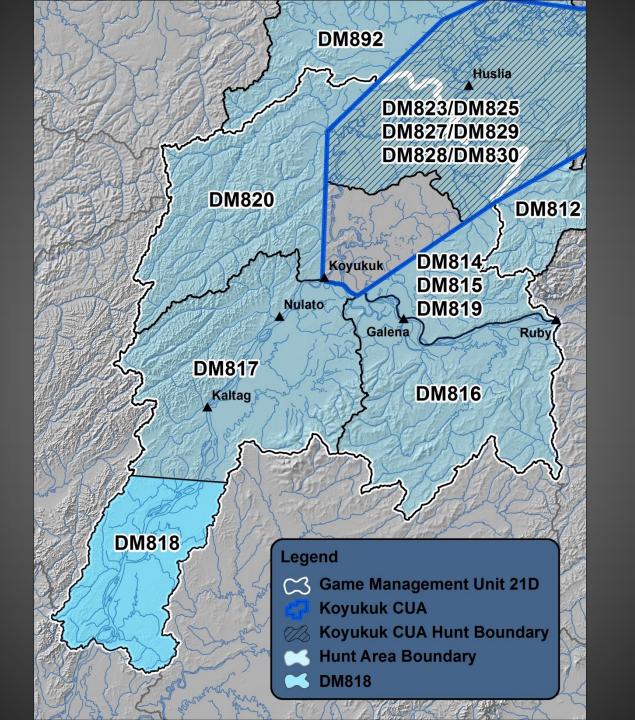


## Proposal #68

# Change DM818 hunt, Papa Willie Creek GMU21D, to General season hunt

ADF&G - Opposed

KRAC - Take No Action MYAC - Opposed RAC - Opposed



## Galena Mgt. Area – Moose Management Strategy

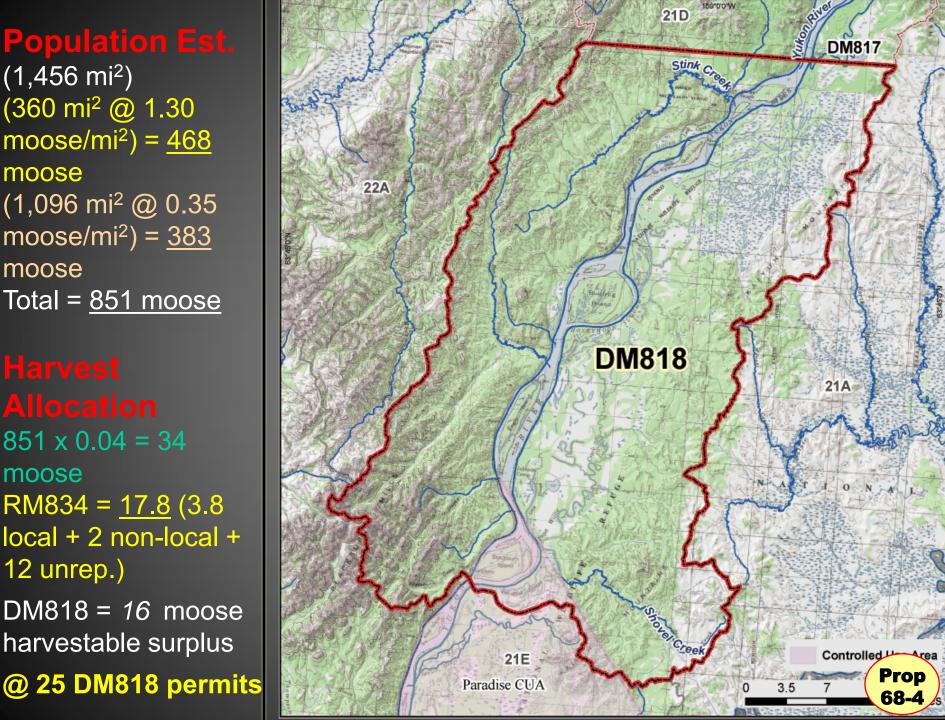
- Drawing Permit/Registration Permit system implemented in 2000, 2004, and 2006 (DM818 in 2006)
- Key Issues: 1) Moose population was below objective or declining, 2) declining bull:cow ratios, 3) declining local hunter success, 4) hunter conflicts, 5) illegal guiding
- Hunter Distribution, Bootlegging, Highgrading
- Strategy has been <u>successful</u>

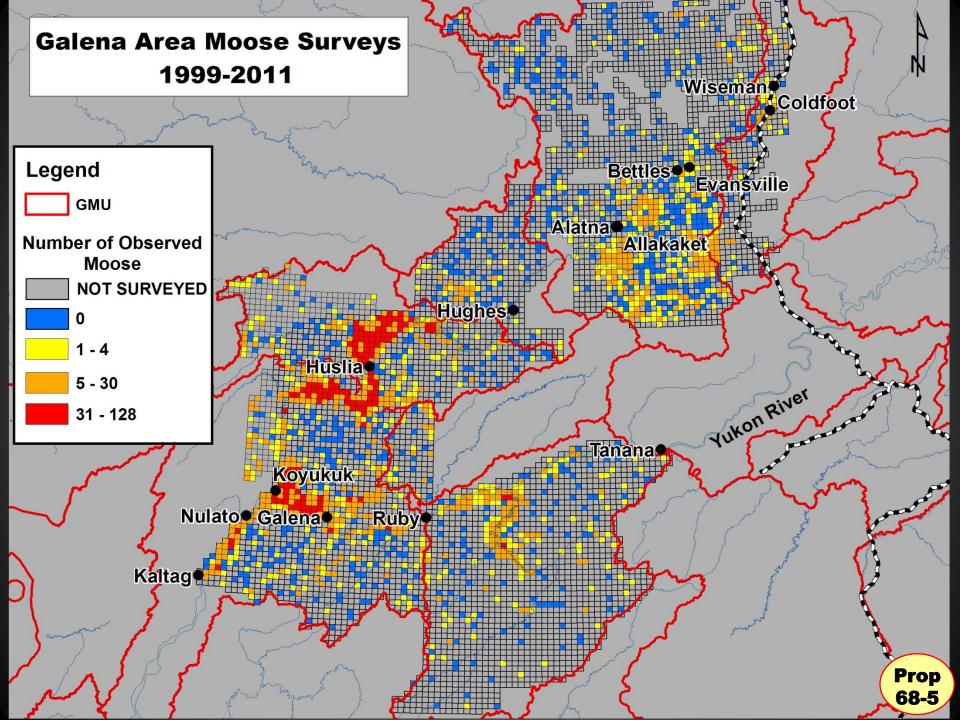


**Population Est.**  $(1,456 \text{ mi}^2)$ (360 mi<sup>2</sup> @ 1.30  $moose/mi^{2}) = 468$ moose (1,096 mi<sup>2</sup> @ 0.35  $moose/mi^{2}) = 383$ moose Total = 851 moose

 $851 \times 0.04 = 34$ moose RM834 = 17.8 (3.8)local + 2 non-local + 12 unrep.) DM818 = 16 moose

harvestable surplus





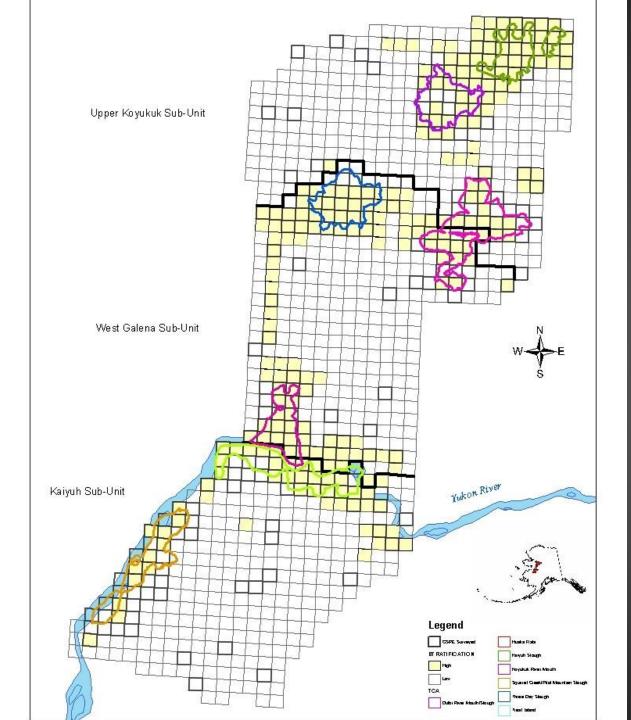
## Population Estimation Survey Data

Kaiyuh Slough "Sub-Area"

Regulatory Year	Population Estimate (90% C.I.)	Density
1987–1988*	1790±18%	1.13
1997–1998*	1335±17%	0.84
2001–2002	1800±32%	0.98
2004–2005	1487±10%	0.81
2011–2012	1897±11%	1.03

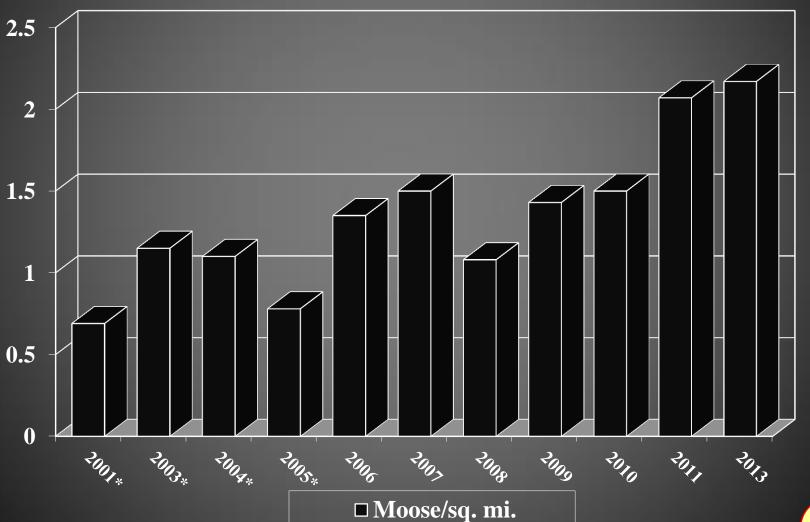
<sup>\*</sup>The survey area in 1987 and 1997 was smaller than the 2001-2011 surveys







## GMU 21D - Kaiyuh Slough "Trend Count Area", Aerial Survey Density



### GMU 21D - Kaiyuh Slough "Trend Count Area", Aerial Survey Bulls:100 Cows





## **Moose Harvest Data**

#### **DM818**

- > 25 permits offered all 8 years
- > 16 moose is estimated harvestable surplus

RY	# Applied	# Hunted	# Moose
2006–2007	10	3	1
2007–2008*	41	2	0
2008–2009*	52	5	2
2009–2010	21 + 1	11	0
2010–2011	19 + 1	4	2
2011–2012	16 + <mark>0</mark>	0	0
2012–2013	19 + <mark>3</mark>	7	3
2013–2014	9 + 6	8	6



## Proposal #68 Surplus Permit Protocol

- Application period ~ April10-June10 (Statewide drawing mail-out in July)
- Permit applications/instructions are available on-line
- Faxed to RIII office, awarded in the order they are received
- Eligibility verification
- Two-week notification to successful applicants (phone/email)
  - Permits issued and Antler tags mailed by July





# Proposal #68 Summary

- Maintain current regulations that are working effectively
- Resident hunters have the opportunity to hunt every year on the RM834 and at least every alternate year on the DM818
- Under current demand, DM818 is annually undersubscribed, therefore hunters can obtain the undersubscribed drawing permits in successive years

**ADF&G - Opposed** 

KRAC - Take No Action MYAC - Opposed RAC - Opposed





## Proposal #69

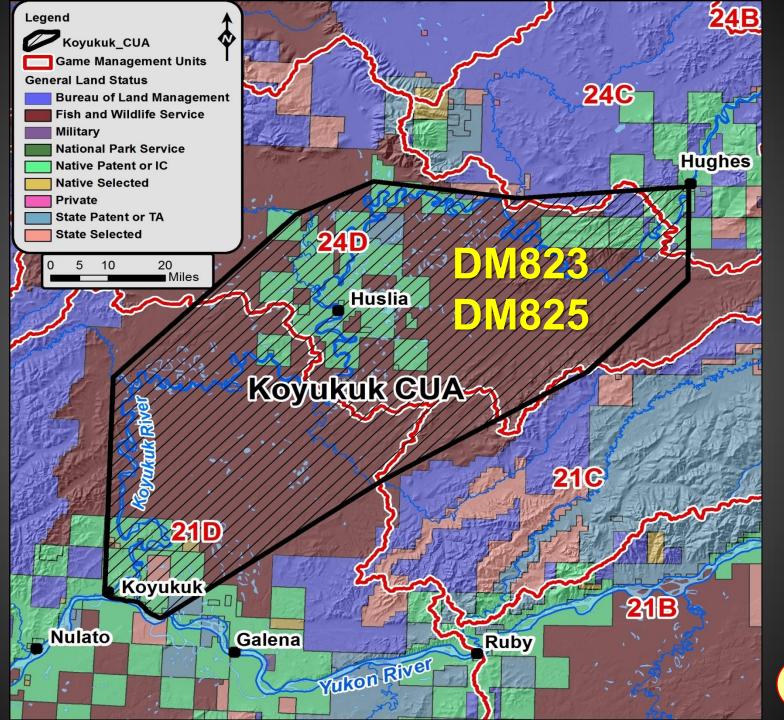
# Allow guides to select alternate hunters in 21D & 24 drawing hunts

**ADF&G - Neutral** 

KRAC - Adopt MYAC - Opposed

**RAC - Opposed** 





## Analysis of 2014 KCUA Permits

- 2014 Allocation = 50 Total Drawing Permits (2 Hunts)
  - 40 Resident : 10 Nonresident
    - DM828 = 20 R-early hunt
    - DM830 = 20 R-late hunt
    - DM823 = 2 NR, guided, early
    - DM825 = 3 NR, guided, late
    - DM827 = 3 NR, non-guided, early
    - <u>DM829 = 2 NR</u>, non-guided, late
      - Total = 50
  - KCUA Permits Affected
    - DM828/830 = 0 permits
    - DM823/825 = 5 permits (5-14 permits since 2005)
    - DM827/829 = 0 permits



#### **Summary**

- Allocation Issue
- Permits are non-transferable [5 AAC 92.050 (a)(5)]
- This proposed regulation change would create a cost for the Department to develop and administer this unique permitting system
- Allowing guides to issue permits would circumvent the "order of the draw"

ADF&G - Neutral
KRAC - Adopt MYAC - Opposed
RAC - Opposed



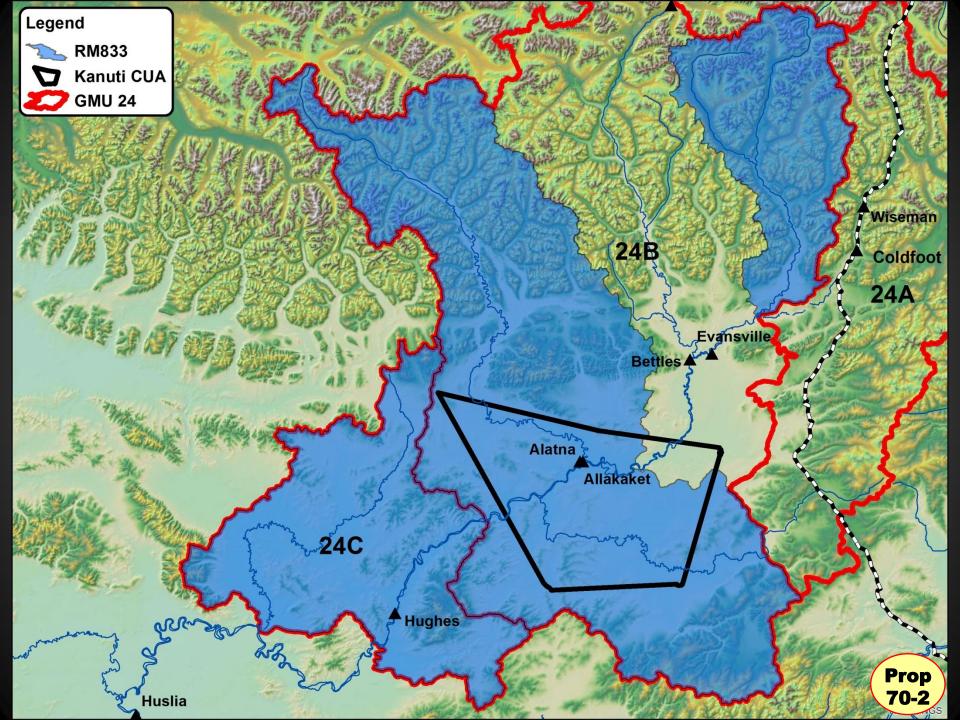


# Retain RM833 winter hunt, GMU 24B/C

**ADF&G - Supports** 

**KRAC - Adopt** 





# 2010 Amended Proposal #90A Regulation

- December 15 to April 15; antiered bulls only
- Registration permit, subsistence hunt
- 4 year "sunset" on regulation (June 30, 2014)

#### **Permit Hunt Conditions**

- Permits available at vendors or online
- Aircraft not allowed
- 5-day reporting requirement at vendor/ADFG

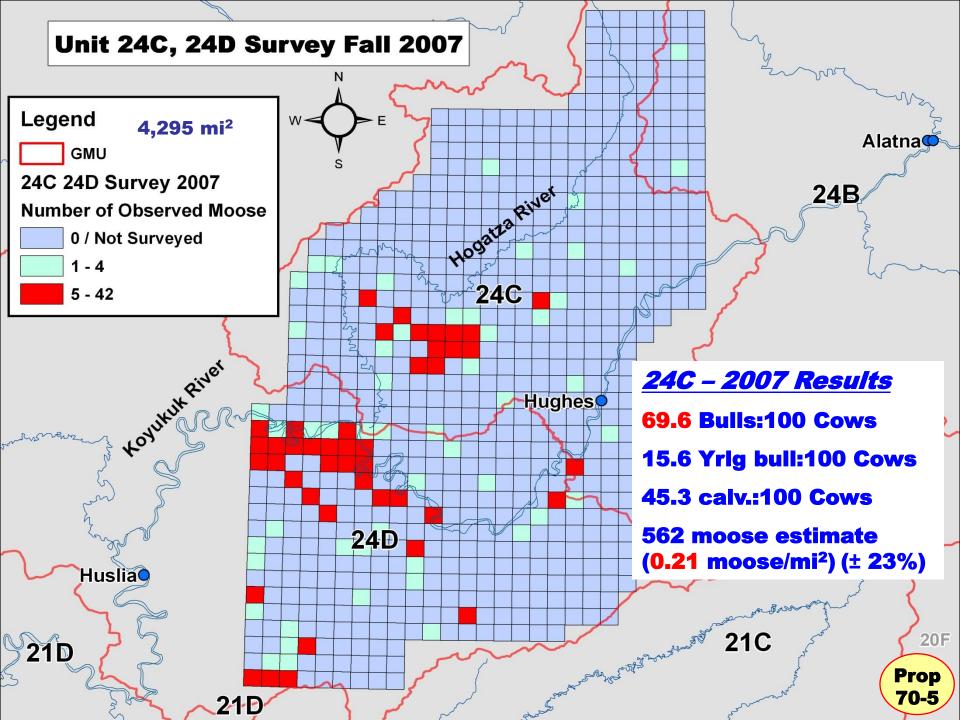


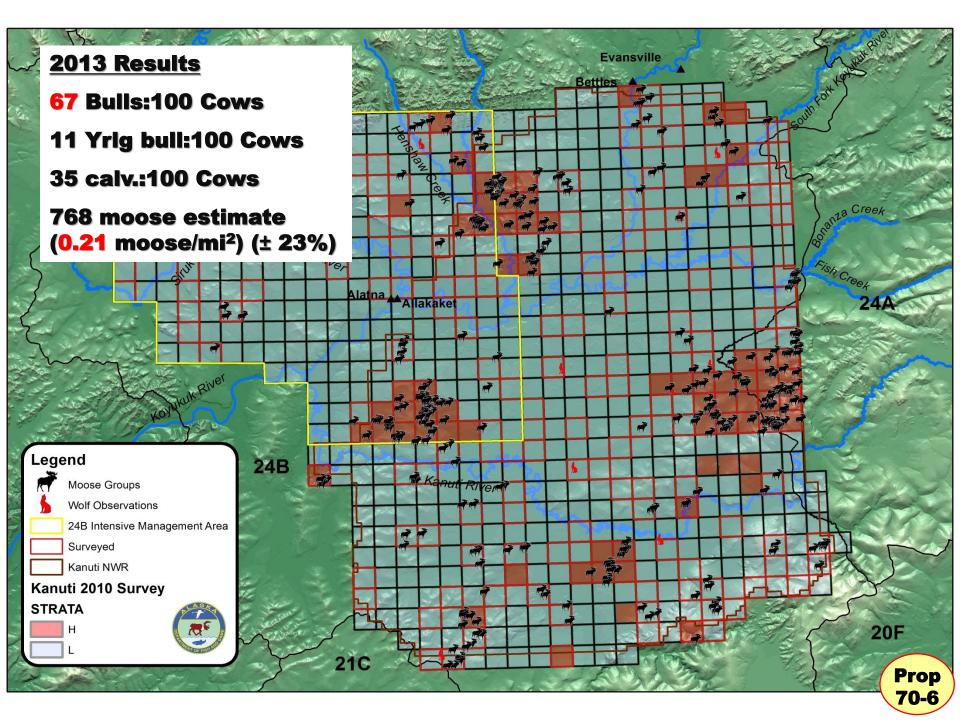
#### **Moose Management Statistics**

#### 24B/C

- Low density moose population (0.20-0.25 moose/mi<sup>2</sup> ≈ 2,000-4,000 moose)
- High Bull:Cow ratios (50-70 bulls:100 cows)
- Large area (24B + 24C = 16,572 mi²)
- Few small villages (Hughes 69, Allakaket 85, Alatna 32, Bettles/Evansville 59, Coldfoot/Wiseman 35 = 280 people)
- RM833 Since 2010 (3 seasons); 48 permits issued, 17 hunted,
   0 moose harvested

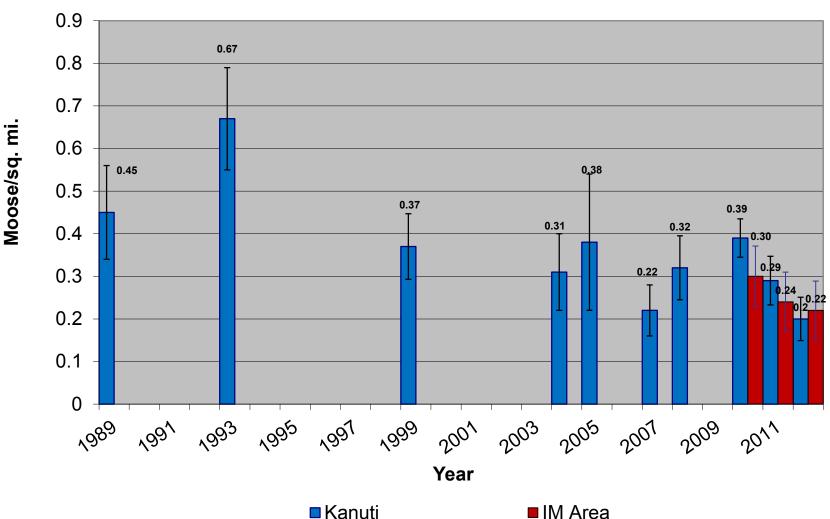






#### **24B Moose Density Estimates**

Moosepop '89 & '93, w/o SCF in '93, GSPE in '99 through '13 Adjusted for Survey Area Size



#### Rationale for Retaining Hunt

- Largest bulls have lost antlers by Dec. 15<sup>th</sup>
- Hard antiered bulls are mostly younger in early winter
- Palatability of moose and antler status coincide
- Low encounter rates will be offset by longer season
- Hunters will have all winter to look for a bull, so there
  will be less pressure of a short season, and the risk
  of shooting a cow will be decreased
- No direct cost because hunting occurs during normal winter activities
- Land status and starting dates will not be an issue
- Hunters are more likely to meet needs



#### **Summary**

- Monitoring period demonstrated concerns about cow harvest and reporting were addressed
- Low density moose and low number of people translates to: → low encounter rates and therefore low harvest
- Maintaining the RM833 hunt will provide an opportunity for a very low number of hunters that may need a late winter moose

ADF&G - Supports KRAC - Adopt



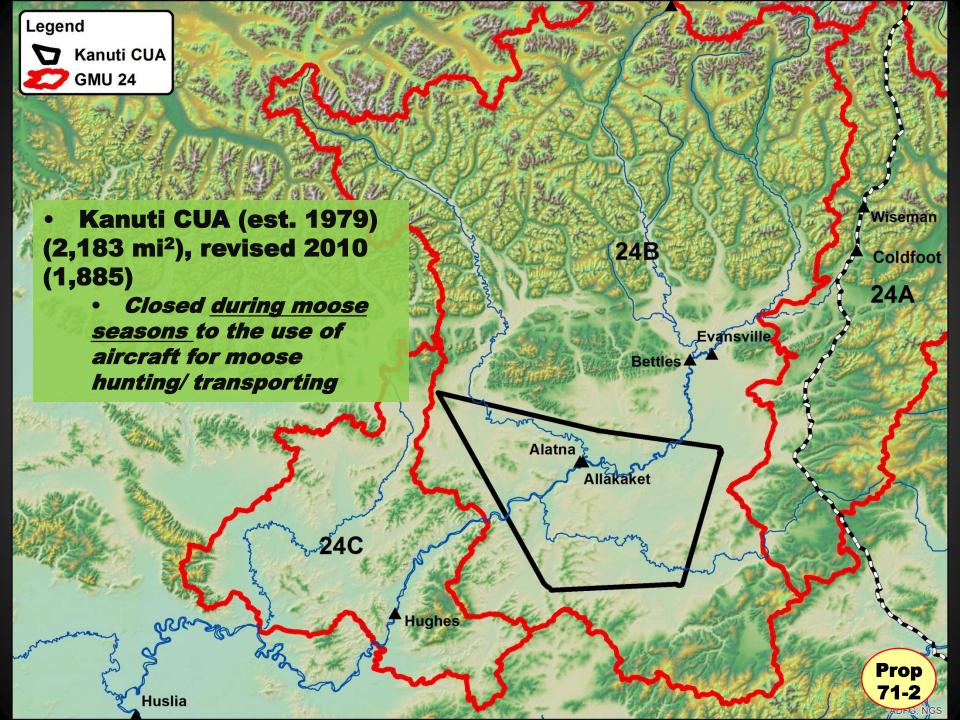


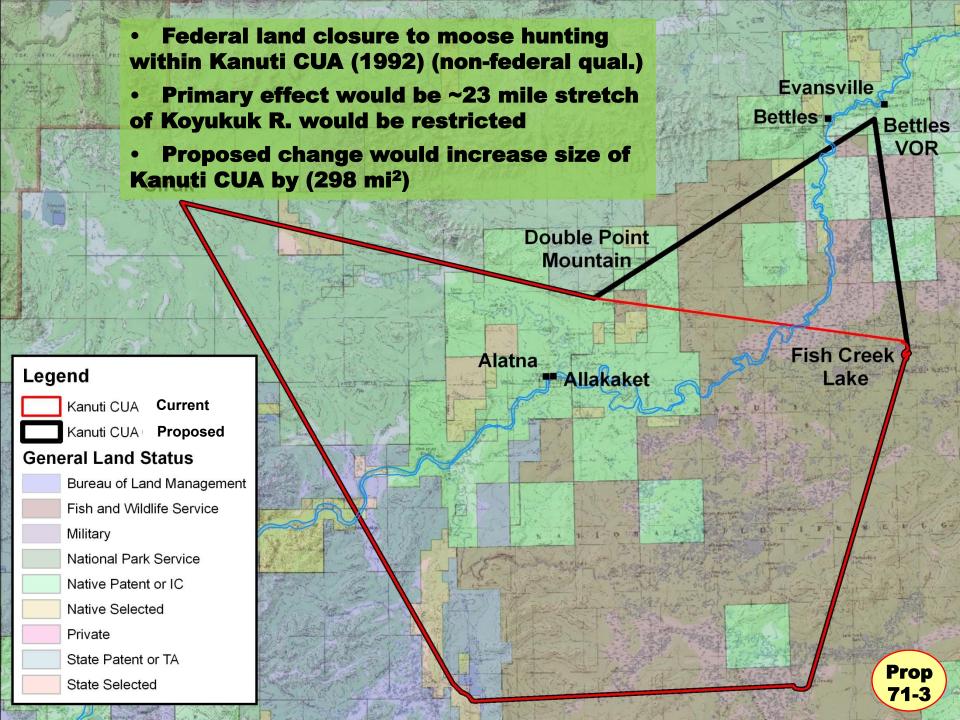
# Change boundaries of the Kanuti CUA

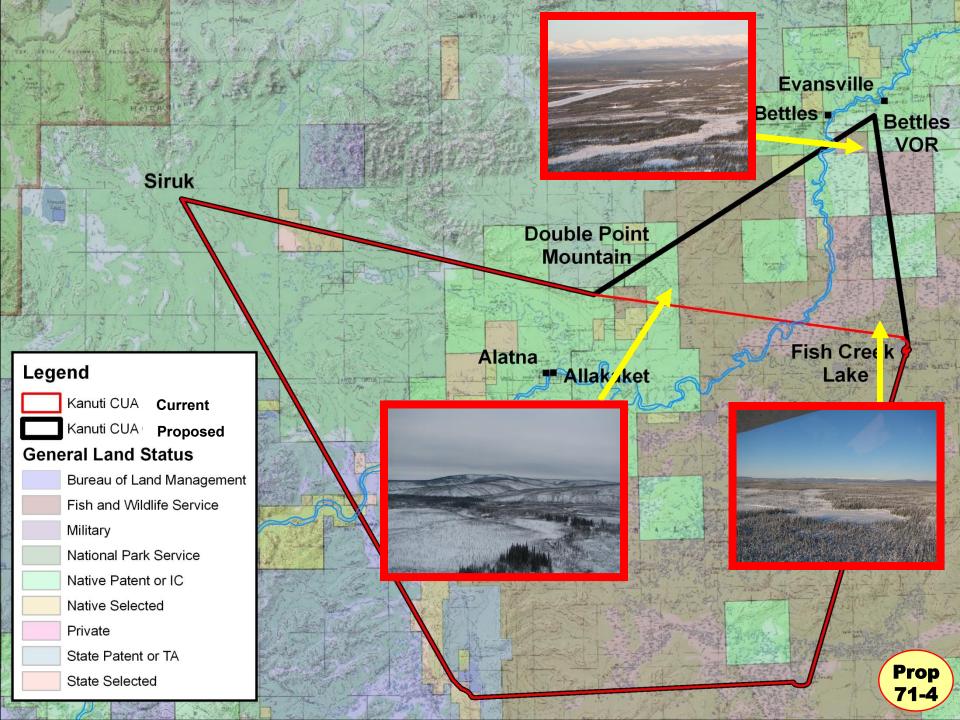
**ADF&G - Neutral** 

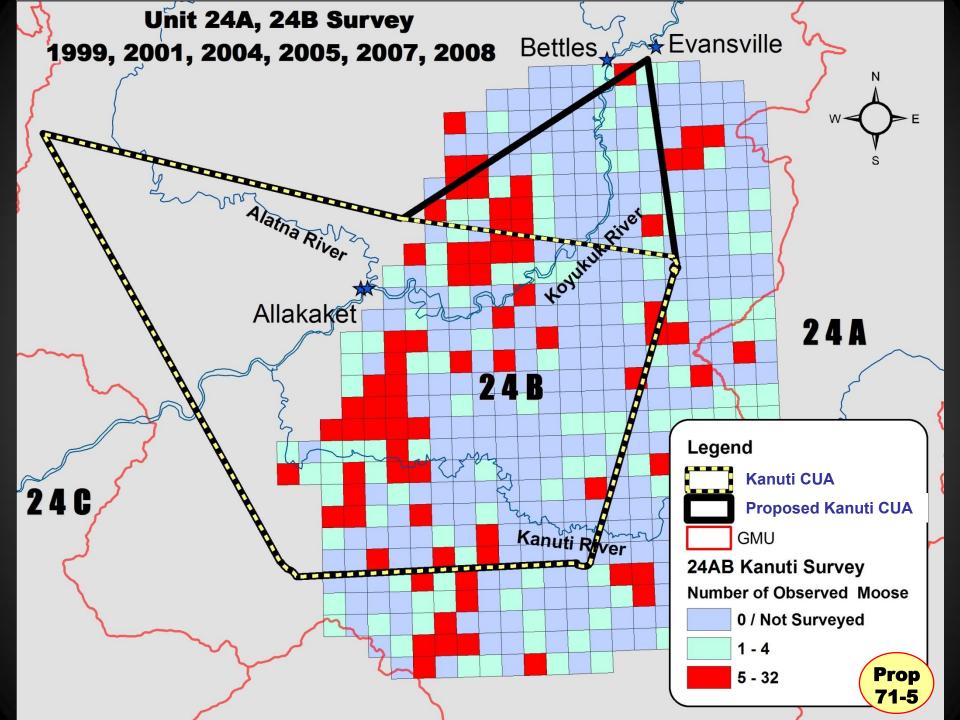
**KRAC - Adopt** 

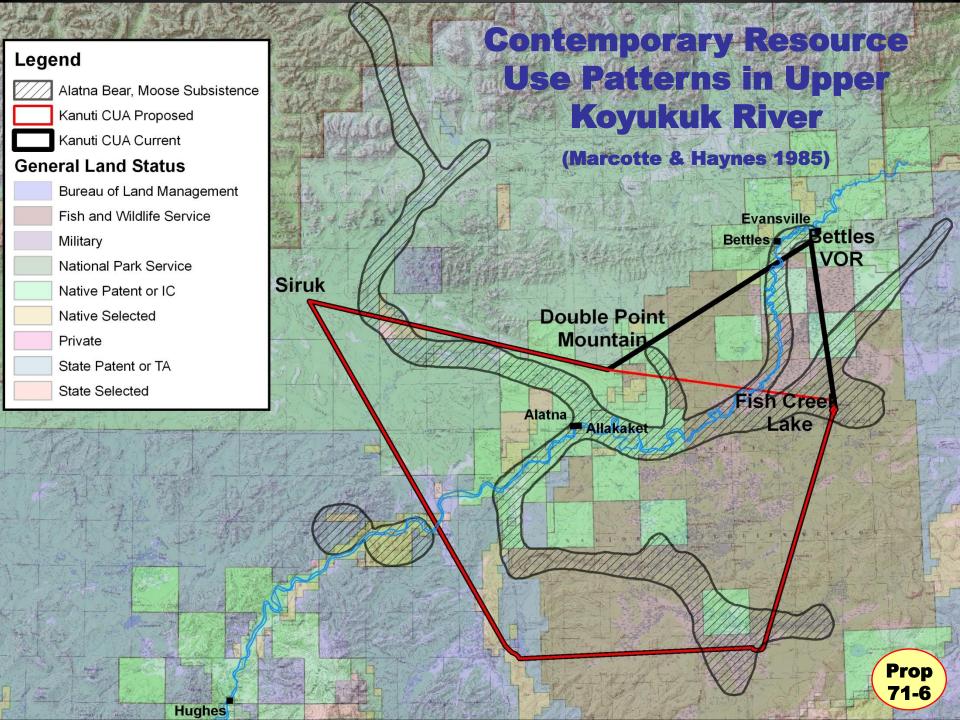












#### **Summary**

- Allocation Issue
- The proponent of the 2010 change, supports the current boundary
- The KRAC supports the original boundary of this proposal

ADF&G - Neutral KRAC - Adopt



