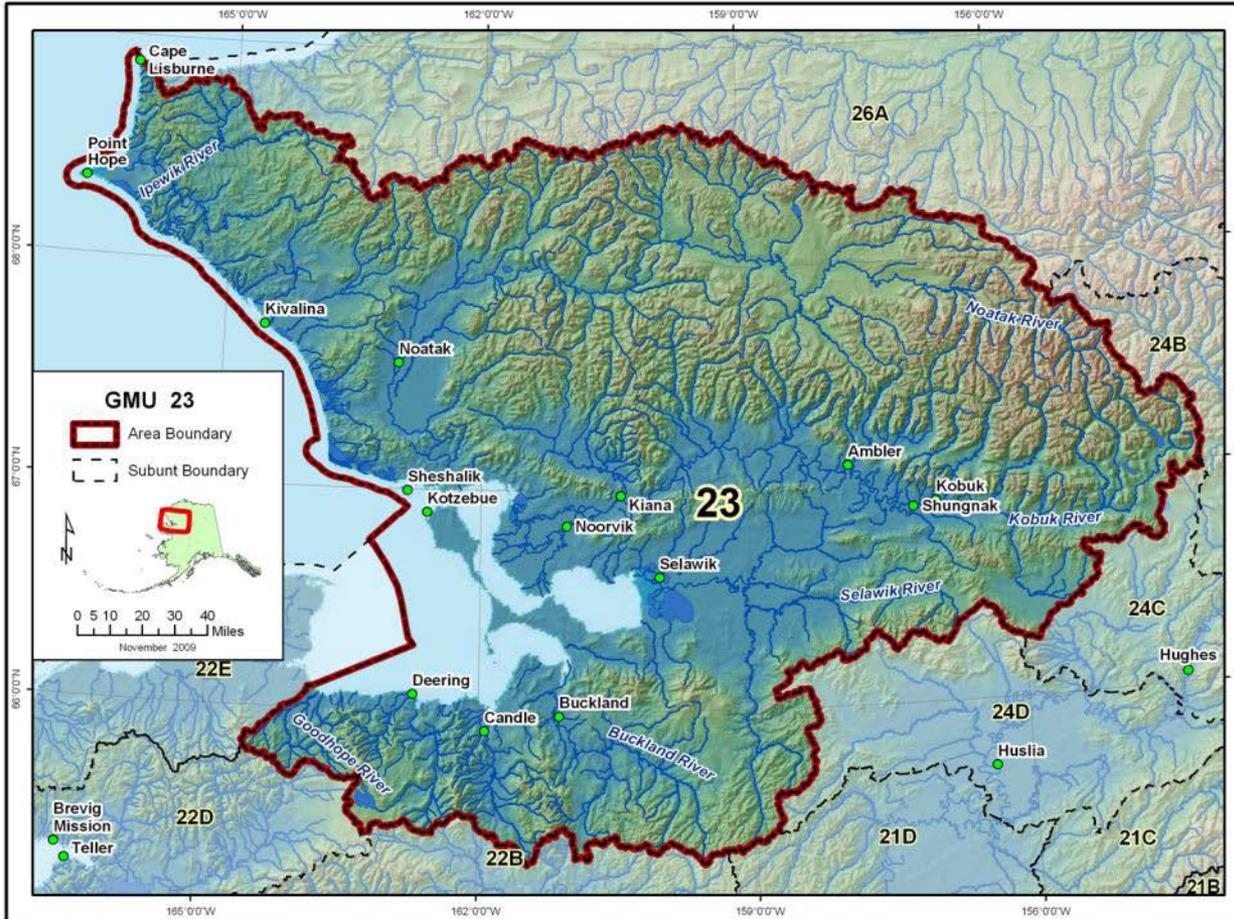




# Summary of Wildlife Management in GMU 23



**Charlotte Westing, Area Wildlife Biologist**

# People

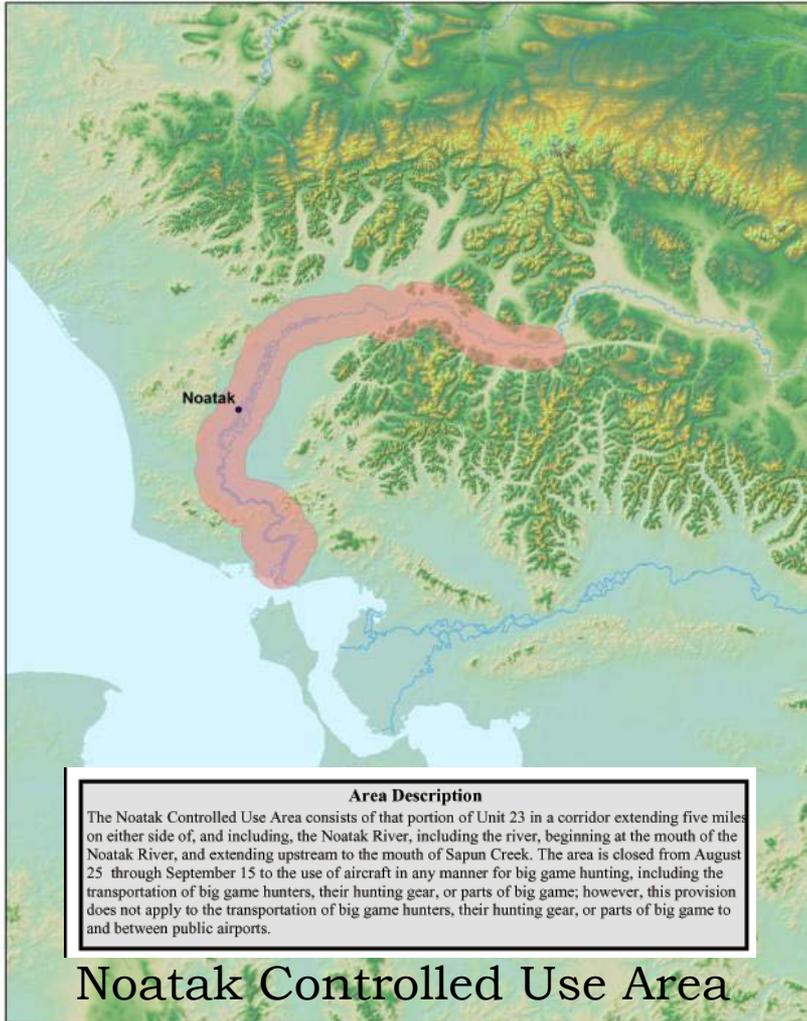
## ≈ 7,700 people reside in Unit 23

- Kotzebue-region hub
- 11 outlying villages located on Chukchi Sea coast or along major rivers
- Villages are organized into 5 Advisory Committees



# User Conflicts

- **Many people come from within and outside the state for backpacking, floating, wildlife viewing, and hunting.**



# Discretionary Permit Authority

## ☞ 92.052 (1) Permit issuance

- Require permits to be acquired within Unit 23
  - ☒ Sheep RS388 and RS389 (also available in 26A)
  - ☒ Brown Bear RB700
  - ☒ Muskoxen RX106
  - ☒ Moose RM880-Also requires permits to be issued in advance of the season (June 1-July 15)

# **Discretionary Permit Authority**

## **☞ 92.052 (5) Trophy Nullification in Subsistence Hunts**

- Muskoxen (TX107, RX106)
- Brown Bear (RB700)

# Moose

## ❧ Population Surveys

- Population Estimates
- Composition Data

## ❧ IM Objectives

- 3,500-9,200 (population)
- 210-920 (harvest)

## ❖ Subsistence

- Positive C&T finding
- 325-400 (ANS)

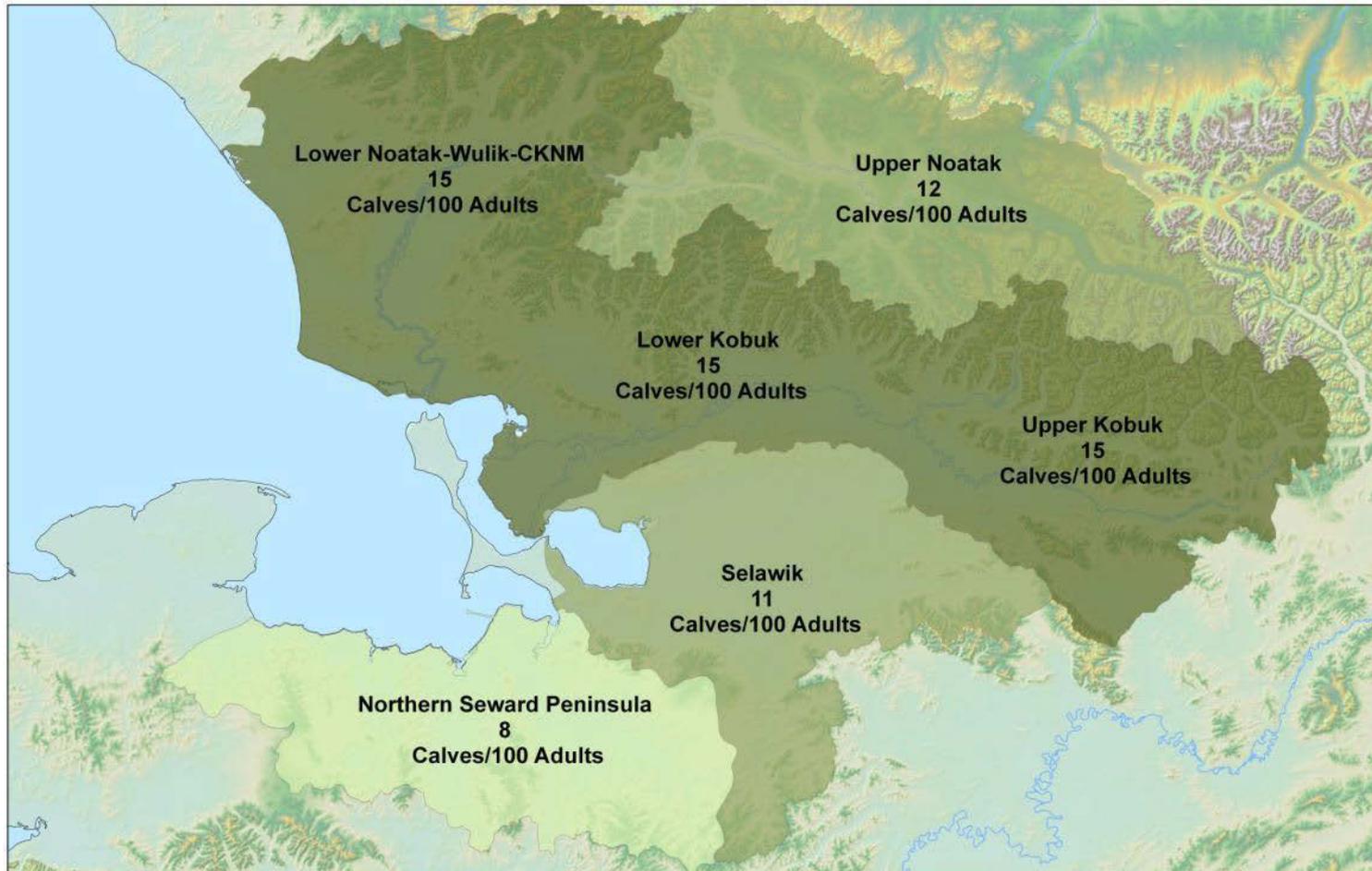


# Moose Densities in Unit 23



# Moose

## Spring Calf Recruitment



# Moose

## ↪ Population

## ↪ Harvest

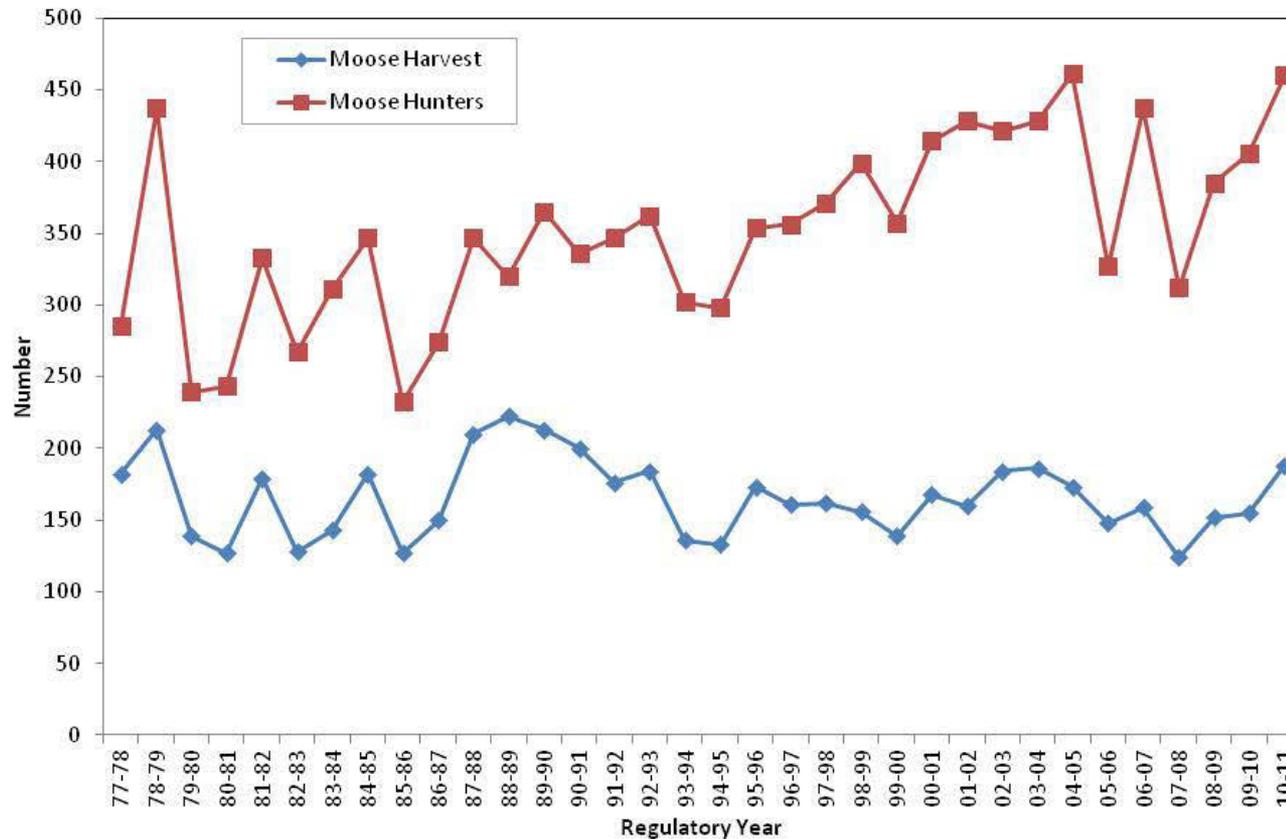
- Current Regulations
  - ☒ General Moose Hunt
  - ☒ RM880
  - ☒ DM871-877 (Nonresidents)



## ↪ There are three moose proposals

# Unit 23: Moose

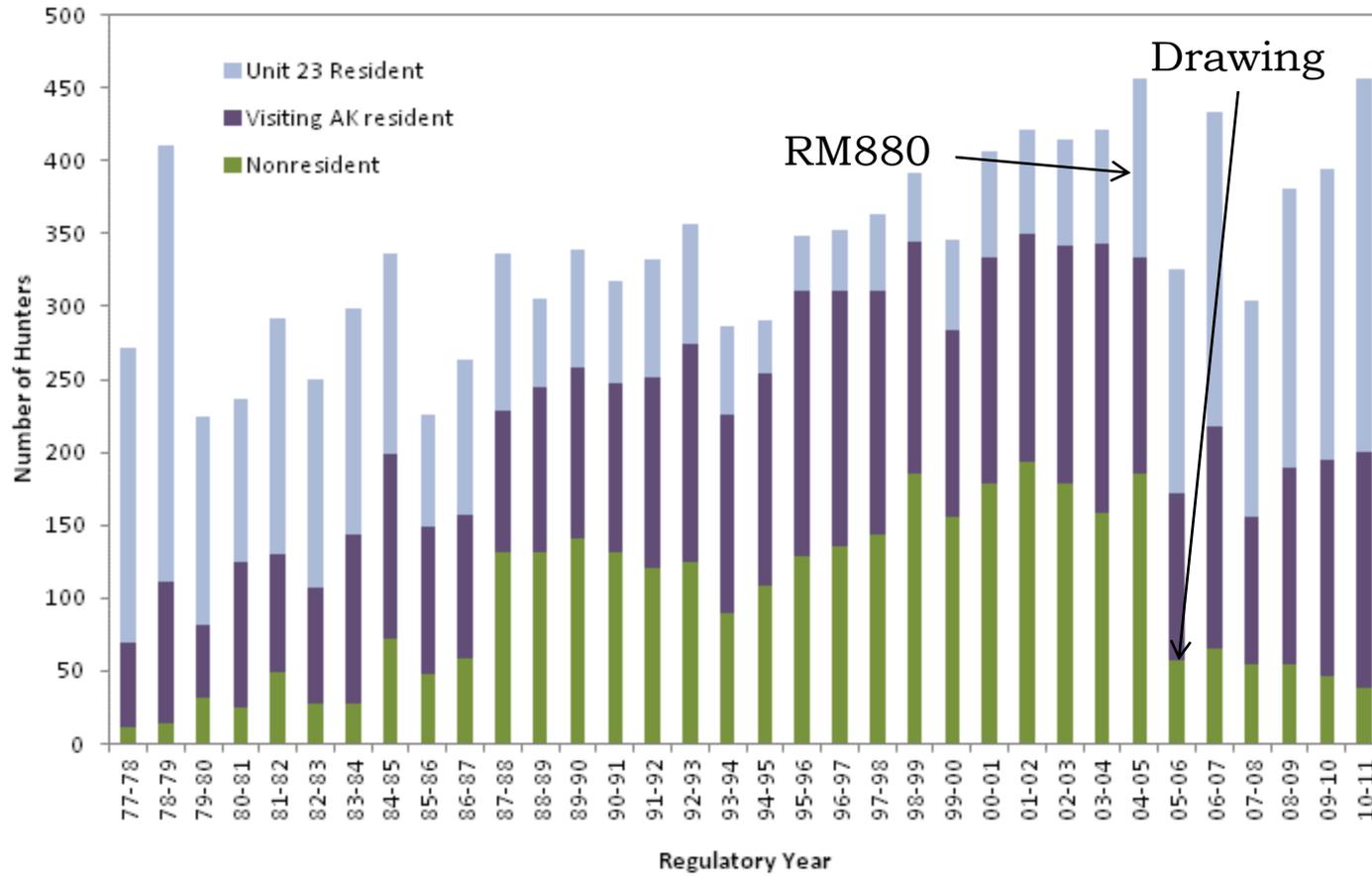
## ☞ Hunter Participation and Harvest Information



\*Harvest ticket data only

# Moose

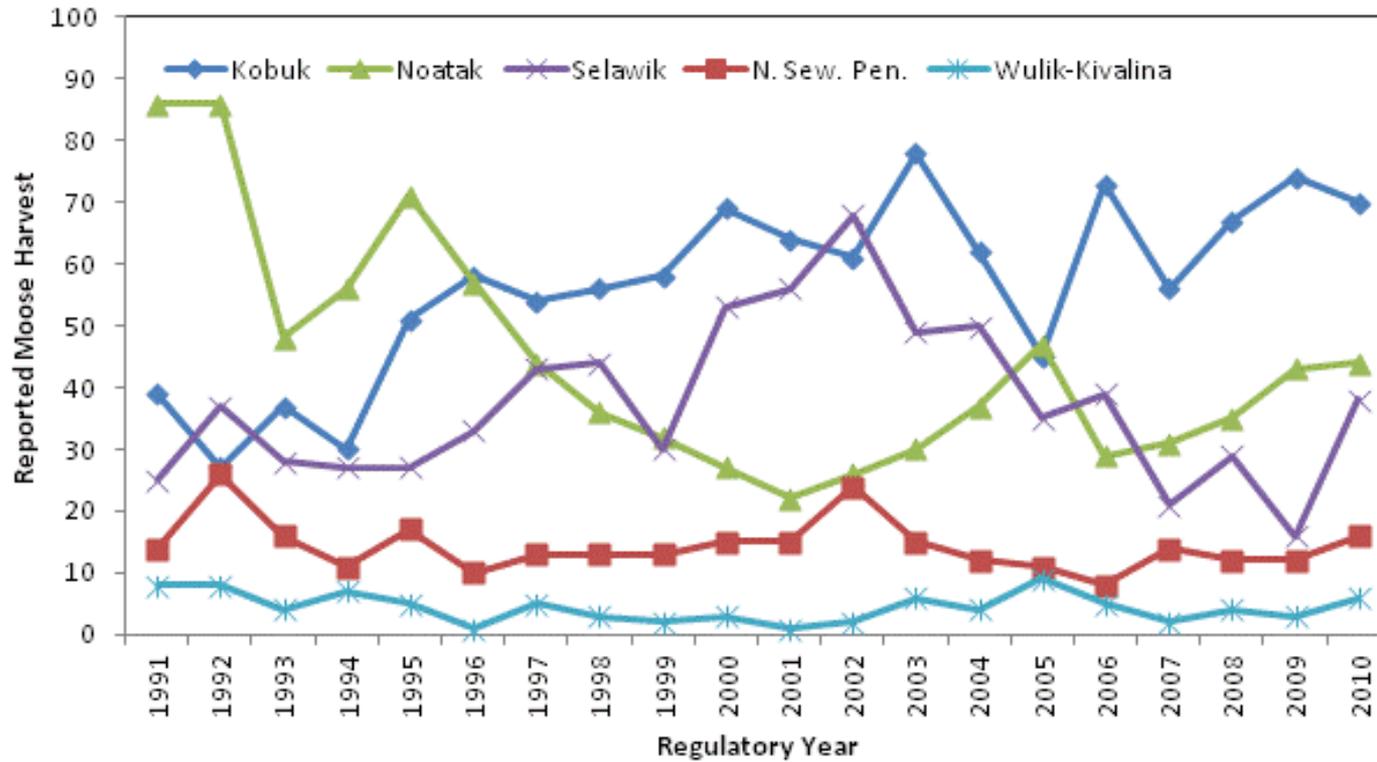
## Hunter Effort by Residency



\*Harvest ticket data only

Unit 23: Slide 11

# Moose Harvest by Drainage



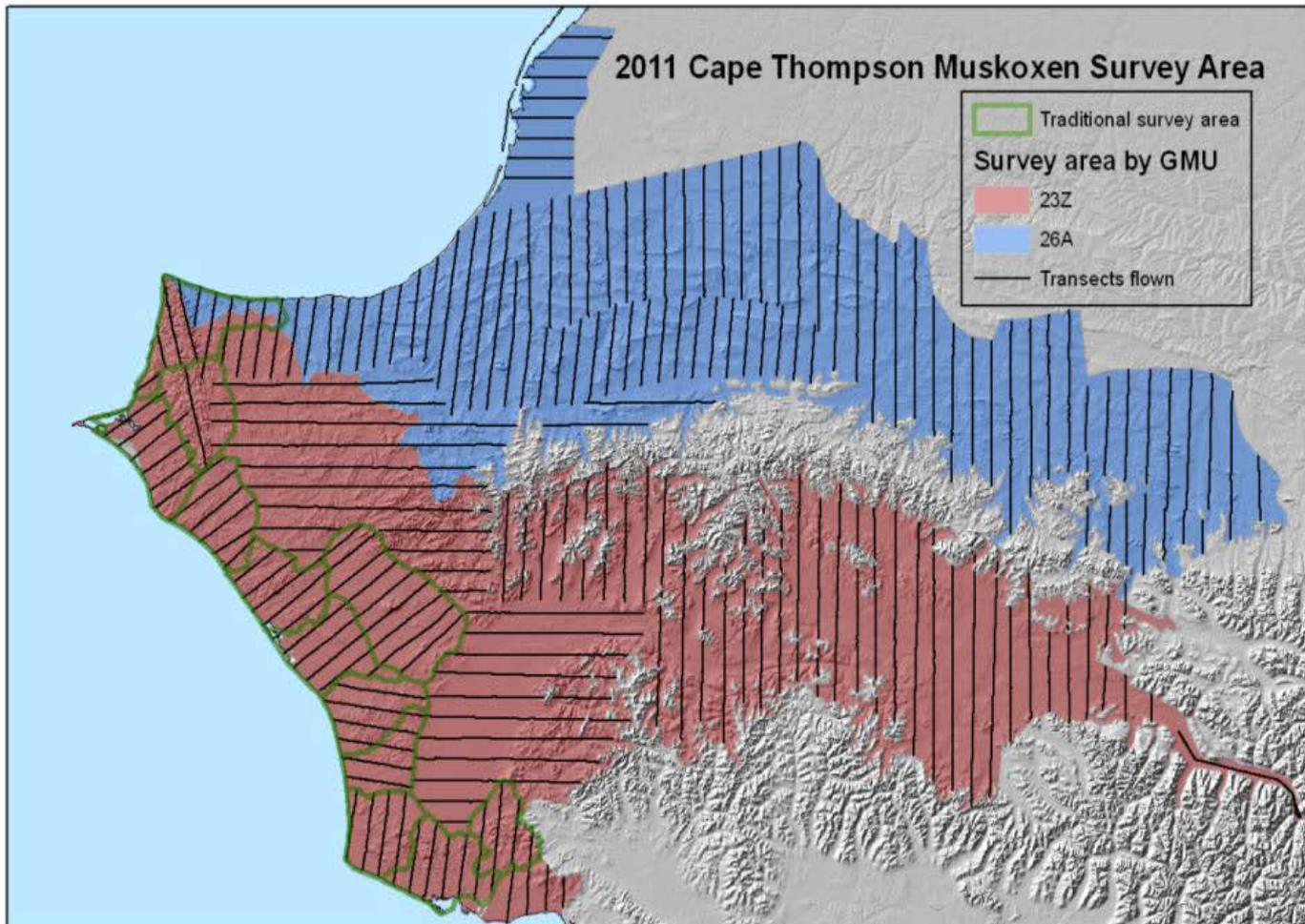
\*Harvest ticket data only

# Muskoxen

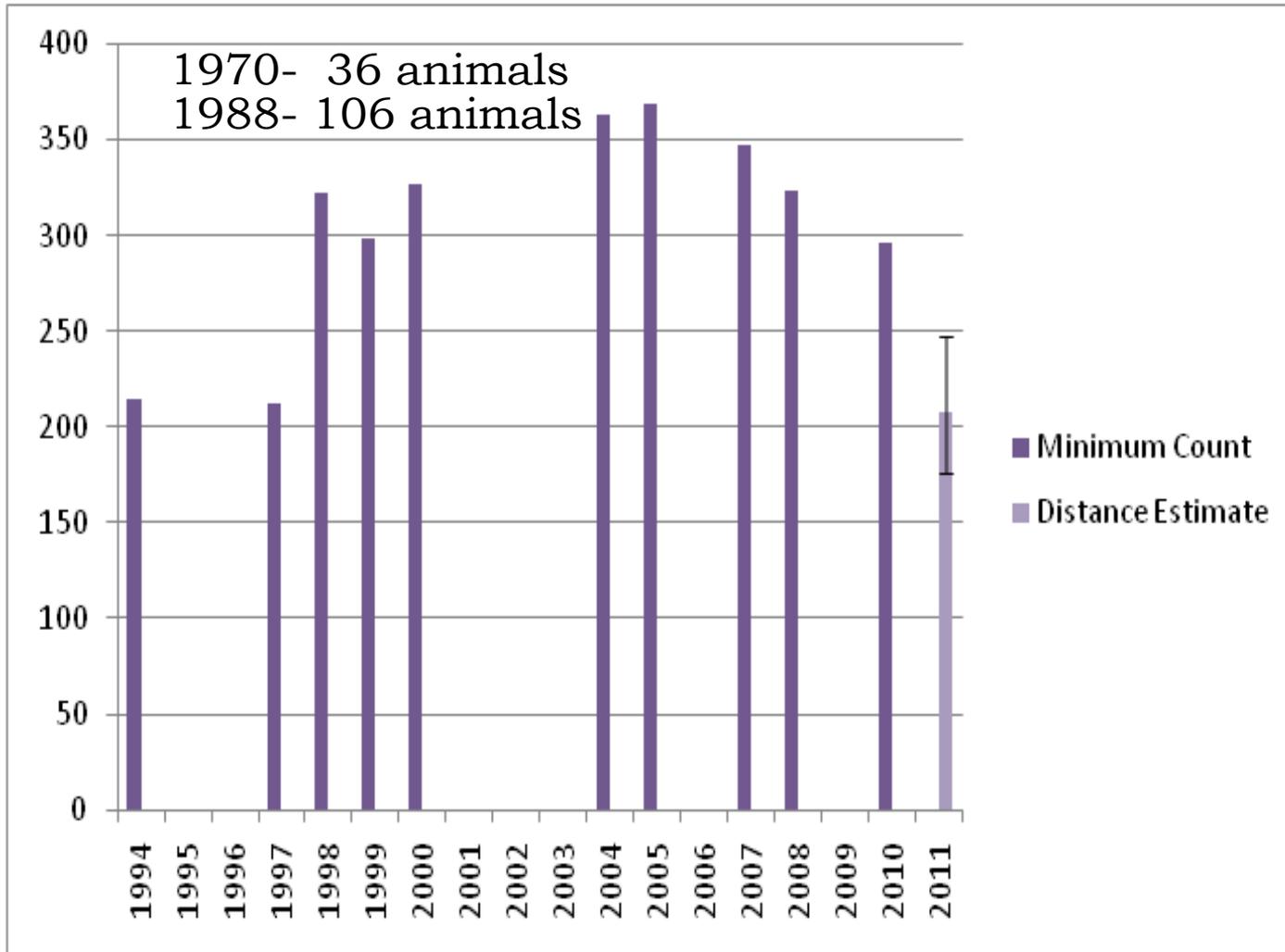
- **Cape Thompson Population**
  - Population Estimate
  - Composition Data
- **Harvest**
  - TX107
- **Proposal 23 regarding trophy nullification could apply to this area**



# Cape Thompson Muskoxen



# Cape Thompson Muskoxen

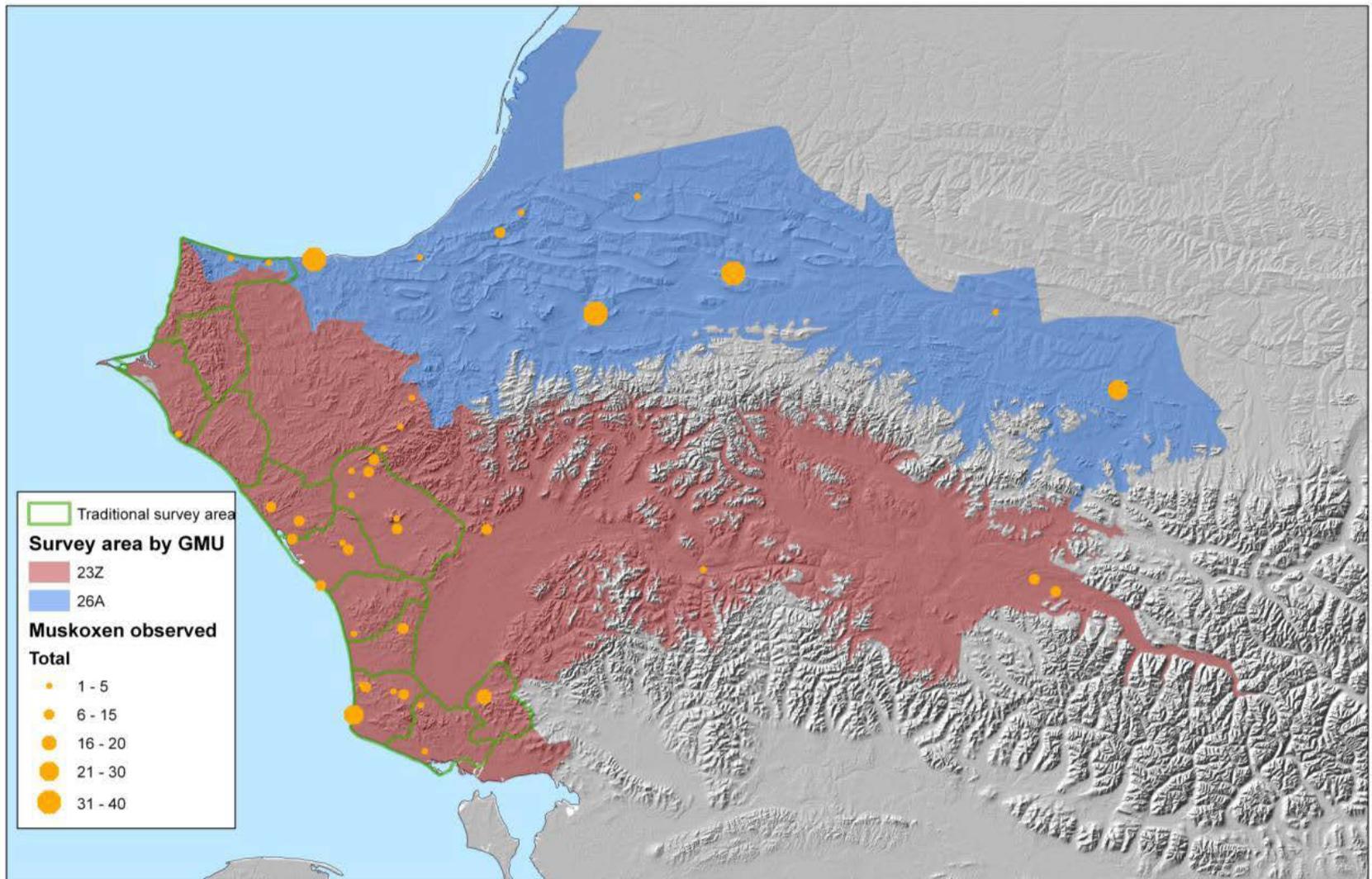


# Cape Thompson Muskoxen



Subunit	Mean	CV	2.5%	97.5%
Northern Area				
Traditional area	208	9%	176	248
Unit 23 survey area	290	10%	244	355
Unit 26A survey area	226	10%	187	279
Northern Total	515	8%	447	612

# Cape Thompson Muskoxen



# Muskoxen

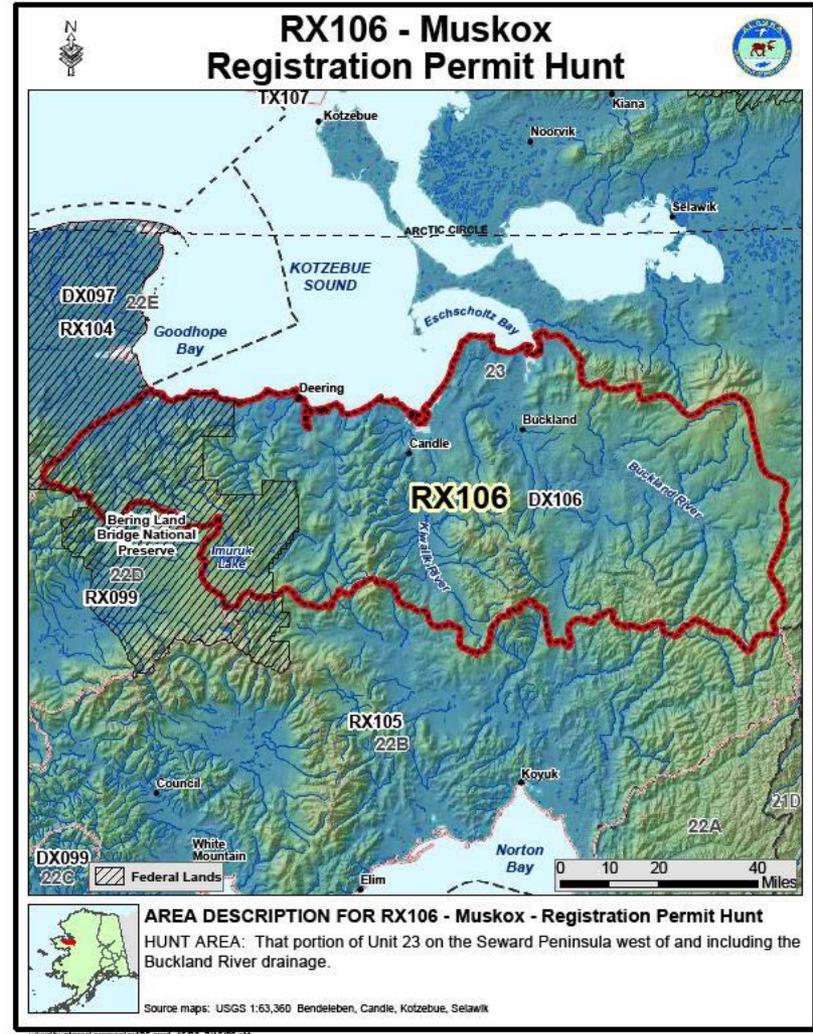
## ➤ Seward Peninsula Population

- Addressed in Unit 22 overview

## ➤ Harvest

- RX106
- DX106 (no permits)

## ➤ Proposal 23 regarding trophy nullification would apply to this area



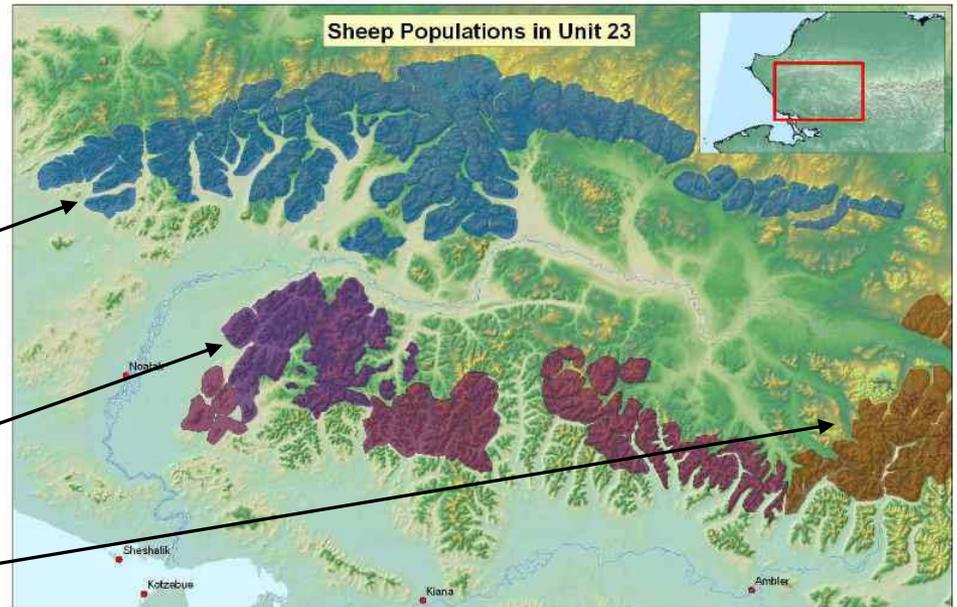
# Sheep

## Population

- Population Estimates

## Harvest

- De Long Mountains
- Baird Mountains
- Schwatka Mountains



There are no sheep proposals

# Brown Bear

## ↪ Population Estimate

## ↪ Harvest

- Current Regulations
  - ☒ General Season
  - ☒ RB700 (Subsistence Hunt)
  - ☒ DB761-767
  - ☒ DB771-777
- Annual harvest

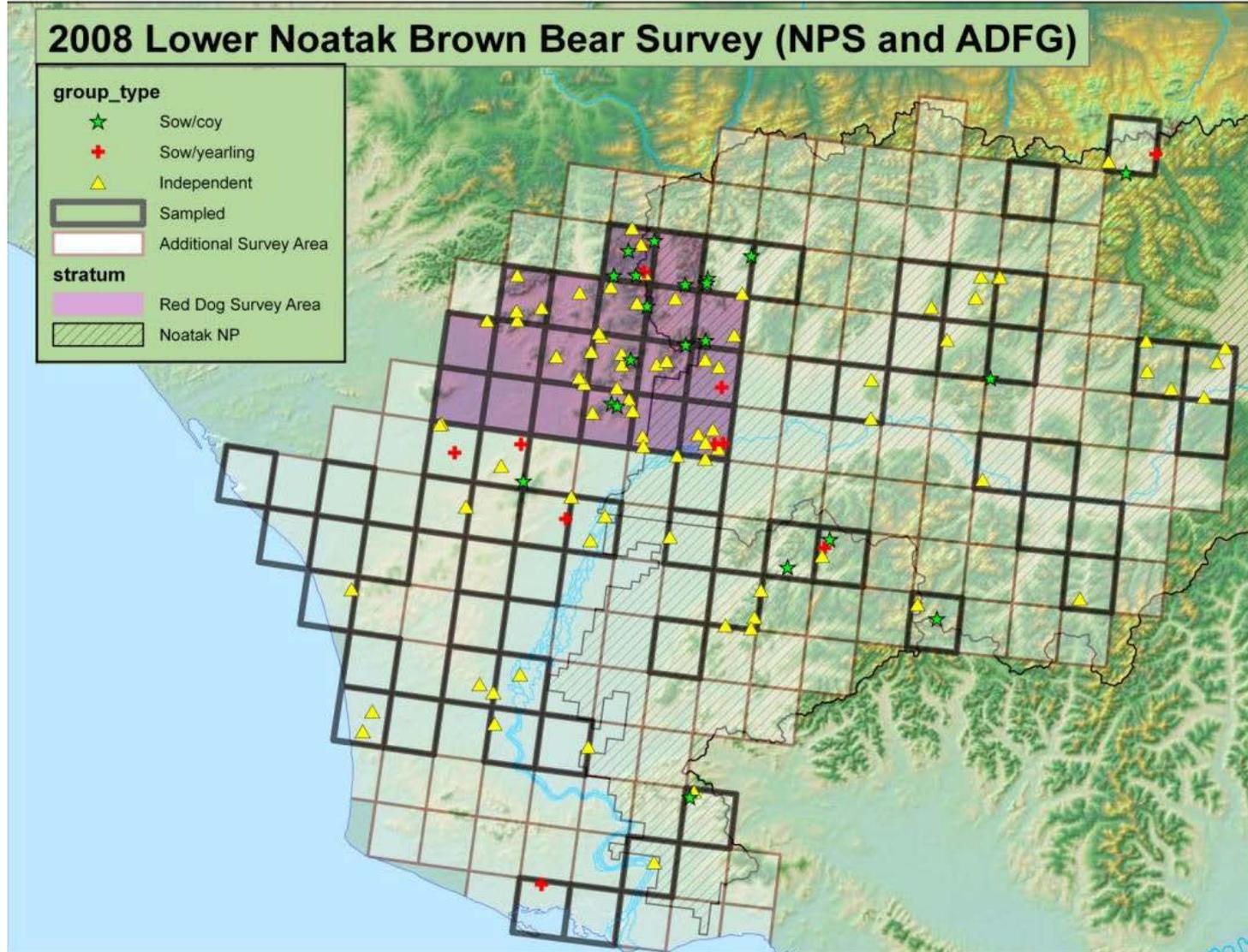
↪ **There are two proposals addressing brown bear management in Unit 23**

# Brown Bear Population

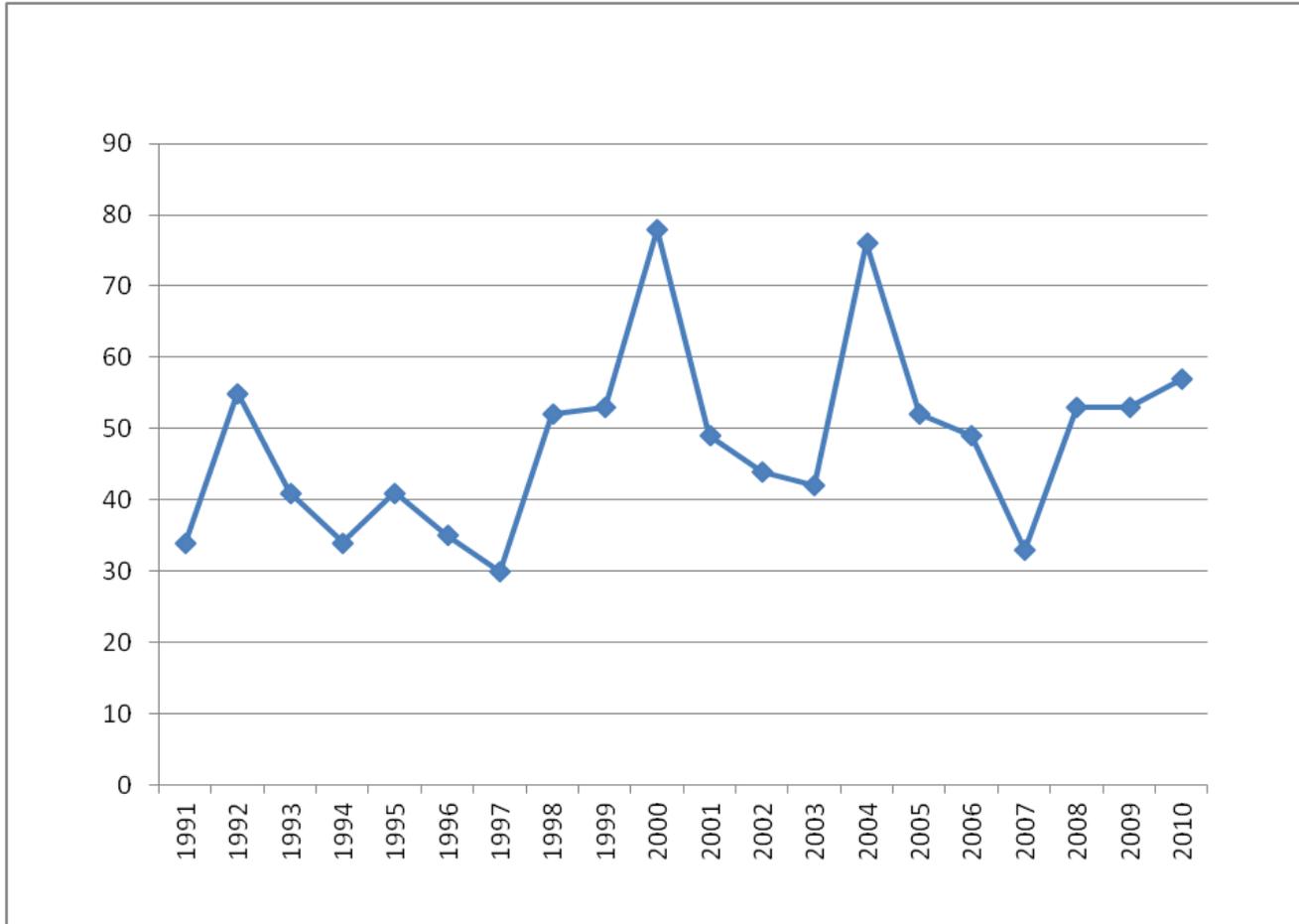
## Population Information

- 1987 study with Sightability Correction Factor (SCF)
  - ☒ Densities of 1 bear/25.7 mi<sup>2</sup>
- 2008 study with NPS- final results pending, no SCF
  - ☒ Preliminary minimum count 1.9-2.2 bears/25.7 mi<sup>2</sup>
- Anecdotal reports, Traditional Ecological Knowledge and incidental observations suggest an increasing trend.

# Brown Bear Population

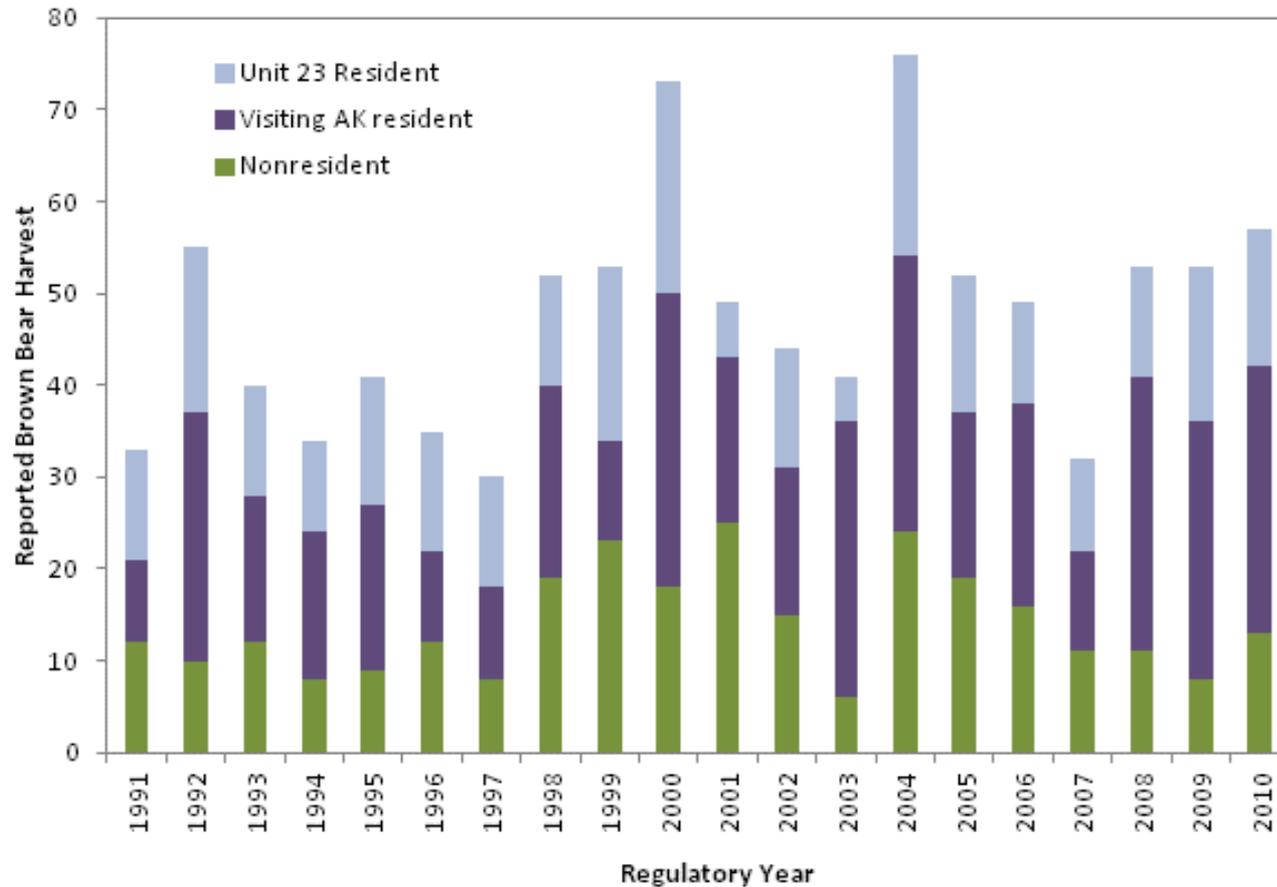


# Brown Bear Annual Harvest



\*Harvest ticket data only

# Brown Bear Harvest by Residency



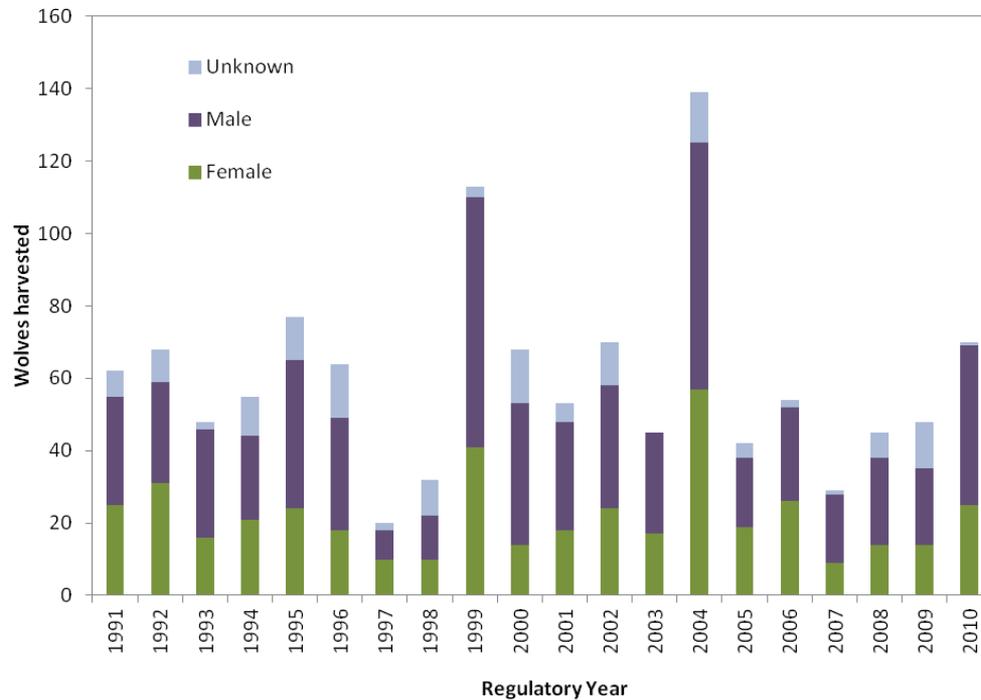
\*Harvest ticket data only

**Unit 23: Slide 24**

# Wolves

Population

Harvest



\*Sealing data only



There are two wolf proposals

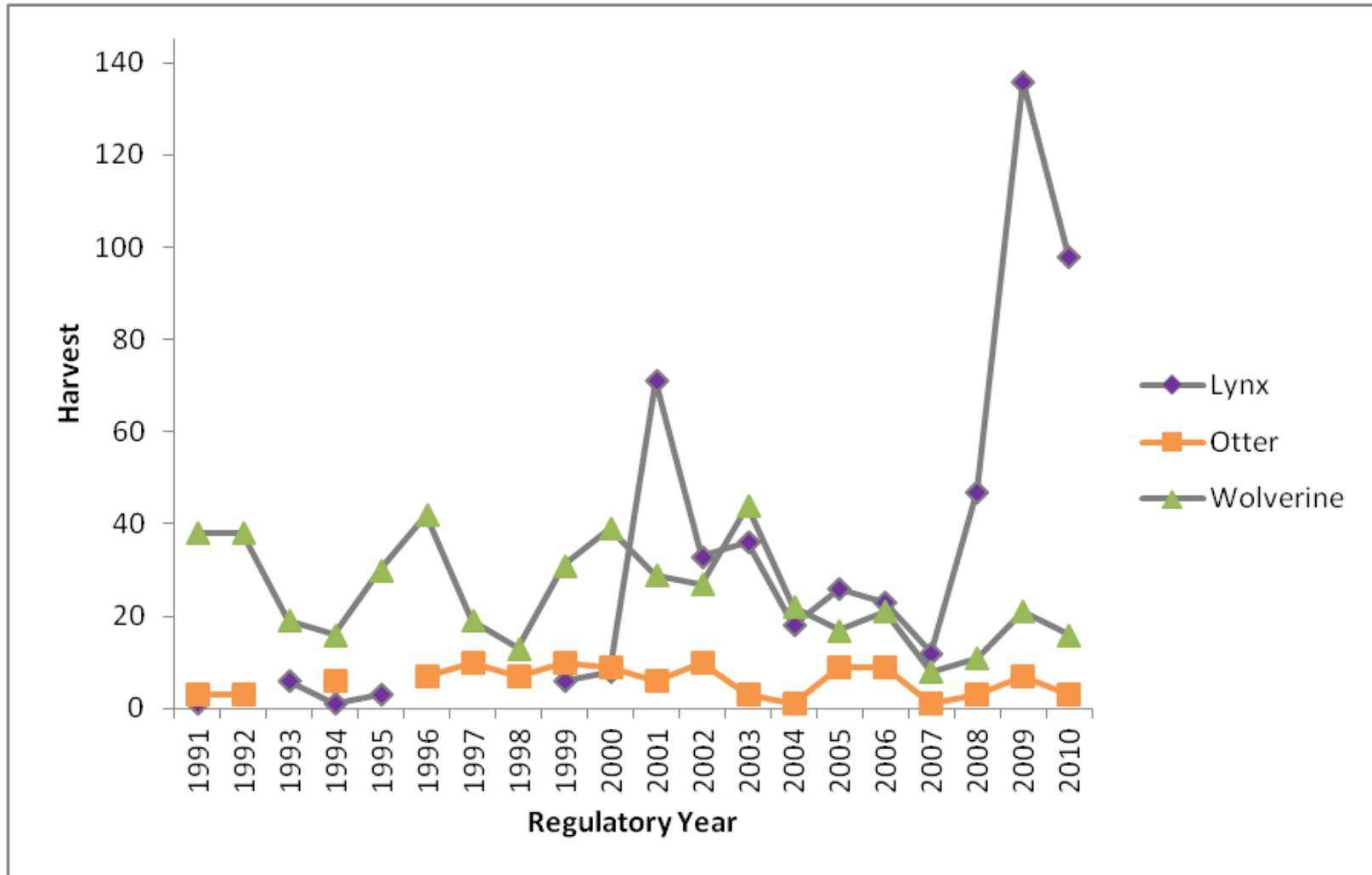
# Furbearer

- ❧ **Arctic Fox**
- ❧ **Red Fox**
- ❧ **Wolverine \***
- ❧ **Beaver**
- ❧ **Lynx \***
- ❧ **Squirrels**
- ❧ **Marmots**
- ❧ **Mink**
- ❧ **Marten**
- ❧ **Weasel**
- ❧ **Muskrat**
- ❧ **River Otter \***



- ❧ **There are two furbearer proposals**

# Reported Furbearer Harvest



\*Sealing data only

# Other Species in Unit 23

❧ **Hares**

❧ **Grouse**

❧ **Ptarmigan**

❧ **Black Bear**

- No harvest ticket or reporting requirement
- No sealing requirement
- 3 bears per year
- No closed season, open to residents or nonresidents



# Questions?



# Unit 23 User Conflict Planning Process

**Background:** Conflicts among nonlocal hunters, commercial operators and local residents have been a management problem in Unit 23 for over 25 years

- I will provide a timeline of these conflicts and then summarize an on-going planning process the department initiated in 2008 to try to reduce them

## **Timeline:**

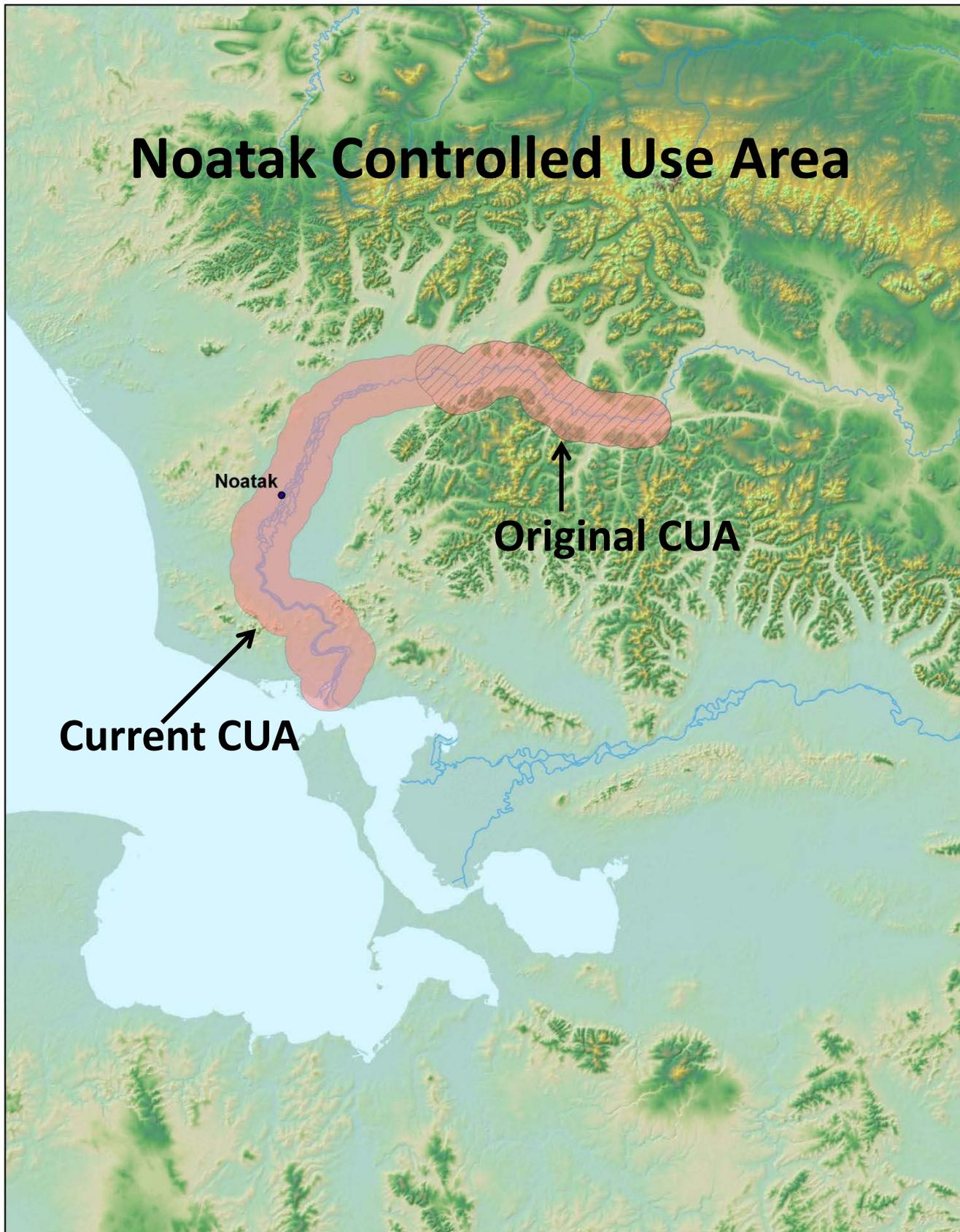
**1984** Noatak village requested F&G to restrict use of airplanes for hunting in the Noatak drainage – 1<sup>st</sup> documentation of user conflicts in Unit 23

- The village submitted proposals to achieve this to the BOG annually until, in **1988**, the original Noatak CUA was established: this was the 1<sup>st</sup> regulatory action taken to reduce conflicts in Unit 23
- The original Noatak CUA was small and largely ineffective

# Unit 23 User Conflicts

**1993** First working group formed to address user conflicts

- Participants:
  - Kotzebue Sound AC
  - Noatak-Kivalina AC
  - Staff from ADF&G, NPS, FWS
- This group submitted a proposal to modify the size of the Noatak CUA
- An amended version of the proposal was passed: Noatak CUA was roughly doubled in size while the effective period was reduced by 50%



# Unit 23 User Conflicts

**1998** Although this CUA quickly reduced conflicts in the Noatak drainage, conflicts continued to occur elsewhere in Unit 23

- Three groups of visiting hunters in the upper Kobuk drainage were held at gunpoint by 5 residents of Shungnak & Kobuk

**1998-2000** Legislature funded a planning process that included guides, transporters, FAI & ANC Advisory Committee reps as well as agency staff and local users – 1<sup>st</sup> formal planning process to address user conflicts in Unit 23

- This group identified the Squirrel River drainage and the upper Kobuk River drainage as the highest priority areas to address user conflicts
- Although 2 proposals to establish new CUAs were submitted to the BOG, no regulatory changes resulted from this planning effort

# Unit 23 User Conflicts

## 2005 BOG met in Kotzebue

- 2-hr evening work session devoted to user conflicts – a product of this meeting was development of online and printed orientation materials for visiting hunters

## 2007 Region V borrowed a planner (C. Jacobson) from Region II to conduct an ‘issue assessment’ to decide how to address conflicts

- She interviewed ~80 individuals across the spectrum of users and organizations
- Jacobson assembled an ad hoc group in Kotzebue that decided to begin a 3<sup>rd</sup> planning effort to reduce conflicts in 2008
- R. Somerville & R. Joule secured legislative CIP funding that was matched by BLM and FWS (NPS funded transportation costs)
- The remainder of my presentation will summarize this planning process

# Unit 23 User Conflicts

**2008** ADF&G contracted a facilitator (J. Caulfield) to oversee this planning process: we needed professional help and we wanted to be clear that this was a multi-agency/user-based process

## 21 Working Group Members:

Representative from each of 5 Unit 23 Advisory Committees

Transporter

Guide

Regional Advisory Council

Board of Game (2 representatives)

Big Game Commercial Services Board

Federal Subsistence Board

Agencies: ADF&G, DNR, BLM, FWS, NPS

NANA Corp.

Kotzebue IRA

Maniilaq Association

Northwest Arctic Borough

Participation by Alaska Prof. Hunters Assoc., DPS, DCCED, and the public (meetings carried on local public radio station with web streaming to listeners outside of region)

# Unit 23 User Conflicts

- Working Group is advisory only: its recommendations must be implemented by agencies or regulatory boards.

## **Objective:**

- Original objective was to try to cooperatively reduce conflicts on a Unit-wide basis to avoid individual agencies pushing problems around the region.

## **2008-2011 Actions:**

- Full working group met in Kotzebue six times
- Additional meetings in Kiana, Noatak and Shungnak
- Various subcommittees have met by teleconference several times

# Unit 23 User Conflicts

## Accomplishments:

Submitted 2 proposals to the BOG (2009):

- Expand dates of Noatak CUA from three to six weeks: passed
- Establish mandatory pilot orientation for Unit 23: passed
- Requested BGCSB to require commercial operators to provide latitude/longitude of their activities: letter from Department of Commerce, Community and Economic Development (DCCED) requesting voluntary cooperation
- Requested legislation giving BGCSB authority to regulate transporters: legislation was introduced and supported by BGCSB but not enacted by Legislature
- Helped secure funding to put a DCCED investigator in Unit 23 during fall 2010 and 2011 hunting seasons

# Unit 23 User Conflicts

## Accomplishments (cont.):

- Requested DCCED to merge commercial operator contract reports with ADF&G harvest data: in progress
- Established annual fall pre-hunting season coordination meetings during 2009-2011, hosted by NWAB, among state and federal management agencies, NANA Trespass program, and local communities to enhance coverage and sharing of resources and information
- Federal agencies developed and applied more consistent permit requirements for guides and transporters
- Agencies (primarily enforcement staff) have collected information on camp locations to try to assess whether airplane activity and drop camps deflect caribou movements

# Unit 23 User Conflicts

## **Accomplishments (cont.):**

- Substantially reduced waste of meat in the field and in Kotzebue primarily through public education efforts

## **Future:**

- The WG reached consensus on actions involving education, data collection and management, enhanced enforcement & coordination, legislative needs and Controlled Use Areas
- However, the group has not been able to reach consensus on other topics, including specific ways to regulate transporters, whether there is a need to control numbers or distribution of visiting hunters, or concerns that activities during the hunting season may affect the timing and route of caribou movements
- Each of the 3 federal agencies are now conducting their own individual planning efforts to reduce conflicts in Unit 23 – coordination of these planning efforts is needed

# Unit 23 User Conflicts

## **Future (cont.):**

- When the WG met last May it decided to continue to meet annually as funding and need allow.

## **Current objectives:**

- Serve as a forum to share information among agencies and users regarding the status of user conflicts & relevant information (e.g., DNR's overhaul of guide area allocations).
- Provide opportunities for public comment and discussion with WG members (in person and via teleconference) regarding user conflicts.
- Provide a forum for federal agencies to coordinate their planning and permitting efforts with regard to user conflicts, and to update the rest of the group about what they are doing.
- Address new topics and recommendations raised by WG members.

# Unit 23 User Conflicts

## Future (cont.)

- Maintaining this WG is probably good for several reasons:
  - It takes 1-2 years (and substantial funding) to establish such a group before they can even begin to address the issues
  - It takes additional time for the participants to learn to work together before they can become effective
  - When the national economy recovers and there is money to spend, numbers of visiting hunters in Unit 23 will probably increase – could happen rapidly

# Unit 23 User Conflicts

## Future (cont.)

- When caribou are scarce during the fall hunting season (as occurred in 2009 & 2010):
  - Commercial operators push harder to put their clients where there are animals
  - Subsistence hunters range farther from home to get meat
  - Sensitivities to competition rise among all users
- The WAH has been declining since 2003 and it looks like that trend will continue
- Moose densities throughout Unit 23 are 0.03-0.60 moose/mi<sup>2</sup> – moose harvests will not be able to completely compensate for a large decline in caribou
- Considering only resource availability, conditions that tend to create user conflicts are likely going to become worse in the foreseeable future

# Unit 23 User Conflicts

## Future (cont.)

- Additionally, the State is considering establishing a road from the Dalton Hwy to the Ambler Mining District
- This road would eventually extend to the Nome road system (GMU 22) and Red Dog Road (GMU 23)
- It is well documented that roads affect the distribution & movements of wildlife
- Roads also affect people: ~25 yrs ago Department staff published a comparative study suggesting that roads were associated with lower subsistence harvests in Alaska for a variety of reasons
- Extending the public road system into traditional subsistence use areas will likely intensify user conflicts

# Unit 23 User Conflicts

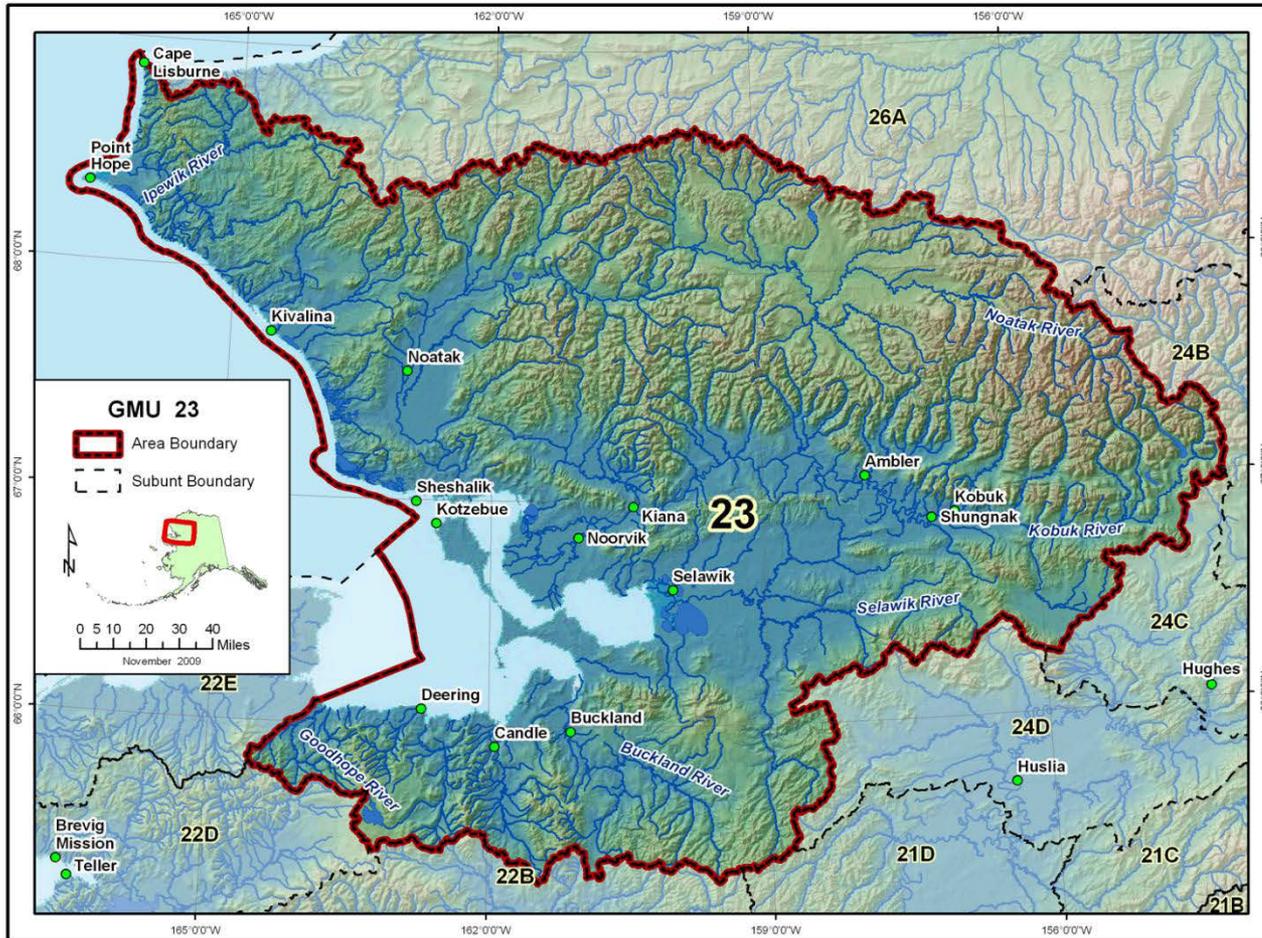
## **Next meeting:**

- The Unit 23 User Conflict WG will meet again in 2012 – probably during April or May in Kotzebue

End

# GMU 23 Proposals

Charlotte Westing  
Area Wildlife  
Biologist



# Unit 23: Moose

## ➤ **Proposal 28**

- Seeks to:
  - ☑ Reauthorize the antlerless moose season in Unit 23

## ➤ **This is a Department proposal**

- Supported by: Kotzebue Sound AC, Noatak-Kivalina AC, and Northern Seward Peninsula AC

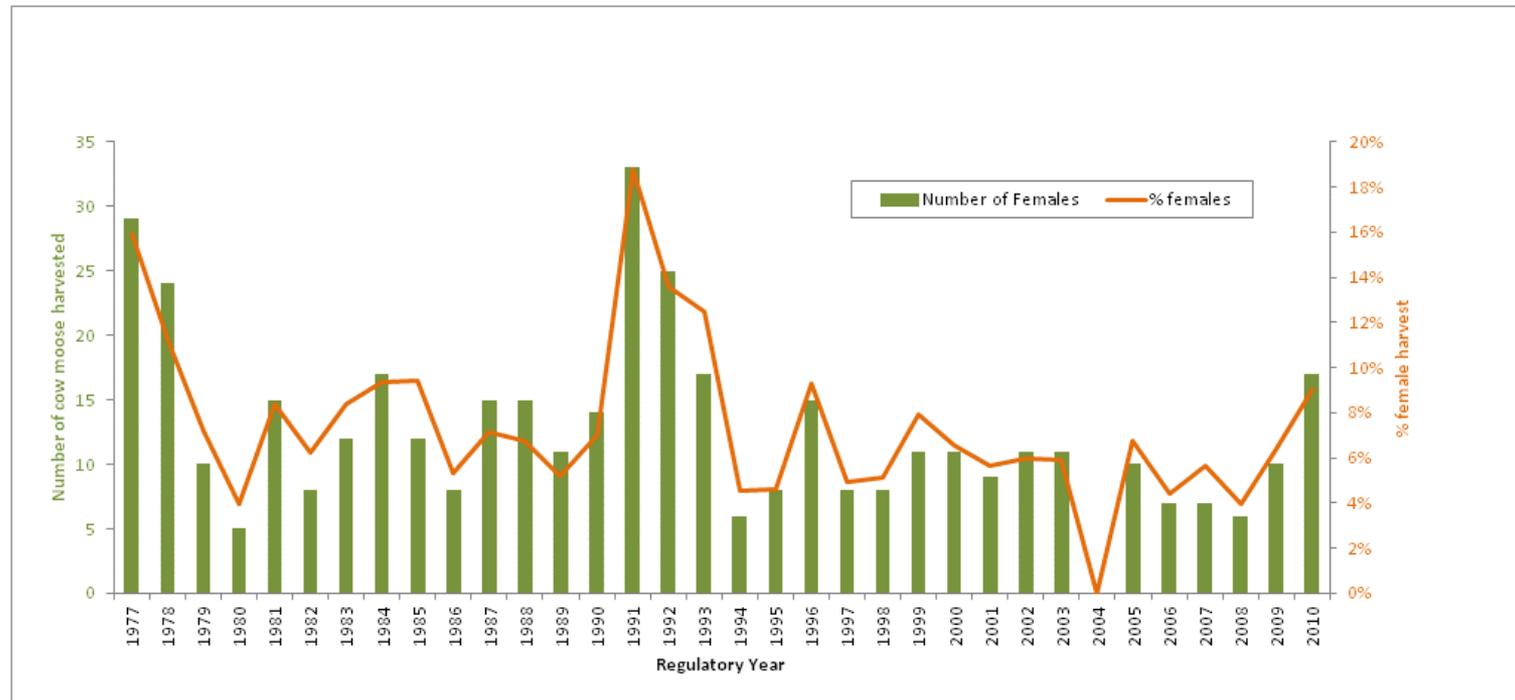
# Unit 23: Moose

## ➤ Proposal 28

## ➤ Recommendation: Adopt

- Rationale-

☒ Harvest of cow moose is low in Unit 23



## Unit 23: Moose

### ➤ Proposal 28

### ➤ Recommendation: Adopt

- Rationale-

- ☒ Harvest of cow moose is low in Unit 23
- ☒ Opportunities to harvest late season moose provides a valuable subsistence opportunity
- ☒ Provides an additional resource in years when caribou are scarce or inaccessible

**- End -**

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## Unit 23: Moose

### ➤ Proposal 6

- Seeks to:
  - ☒ Eliminate early restrictions on issuing moose registration permits in Units 18, 19 and 23
  - ☒ This presentation covers Unit 23 permits
  - ☒ Instead of permits being available only from **June 1-July 15**, they would be available throughout the hunting season

### ➤ This is a public proposal

- Opposed by: Kotzebue Sound AC, Noatak-Kivalina AC, and Northern Seward Peninsula AC

# Unit 23: Moose

## ➤ Proposal 6

### ➤ Recommendation: Do Not Adopt

- Rationale-

- ☒ RM880 was put in place to address the following:
  - ✧ Increasing hunting pressure on moose in Unit 23
  - ✧ Increasing and persistent user conflict issues
  - ✧ Moose populations at low density (0.03-0.6 moose/mi<sup>2</sup>) and possibly declining
- ☒ RM880 was part of a suite of changes including:
  - ✧ Reduction in the resident season length
  - ✧ Reduction in the antlerless moose season
  - ✧ Drawing permits for nonresidents

# Unit 23: Moose

## ➤ Proposal 6

- Rationale (cont'd)
  - ☒ Early season and in-unit registration uses discretionary permit authority. The department uses this authority with the direction of the Board.
  - ☒ RM880 has been successful at:
    - ✧ Slowing the increase in hunters targeting moose
    - ✧ Retaining maximum opportunity for users (long seasons and any bull/any moose bag limits)
    - ✧ Improving harvest data
    - ✧ Distributing the burden of harvest reductions among users

## Unit 23: Moose

### ❧ Population Information

- Moose populations peaked in the mid-1980s then declined due to:
  - ❑ Severe winters
  - ❑ Extensive spring flooding
  - ❑ Starvation, predation, and loss of numerous calf cohorts
- Current population trends?
  - ❑ According to survey data- stability at low density
  - ❑ TEK suggests the population may still be declining

# Moose - Densities in Unit 23



# Moose - Spring Calf Recruitment



# Unit 23: Moose

## 🌀 Hunting Opportunities

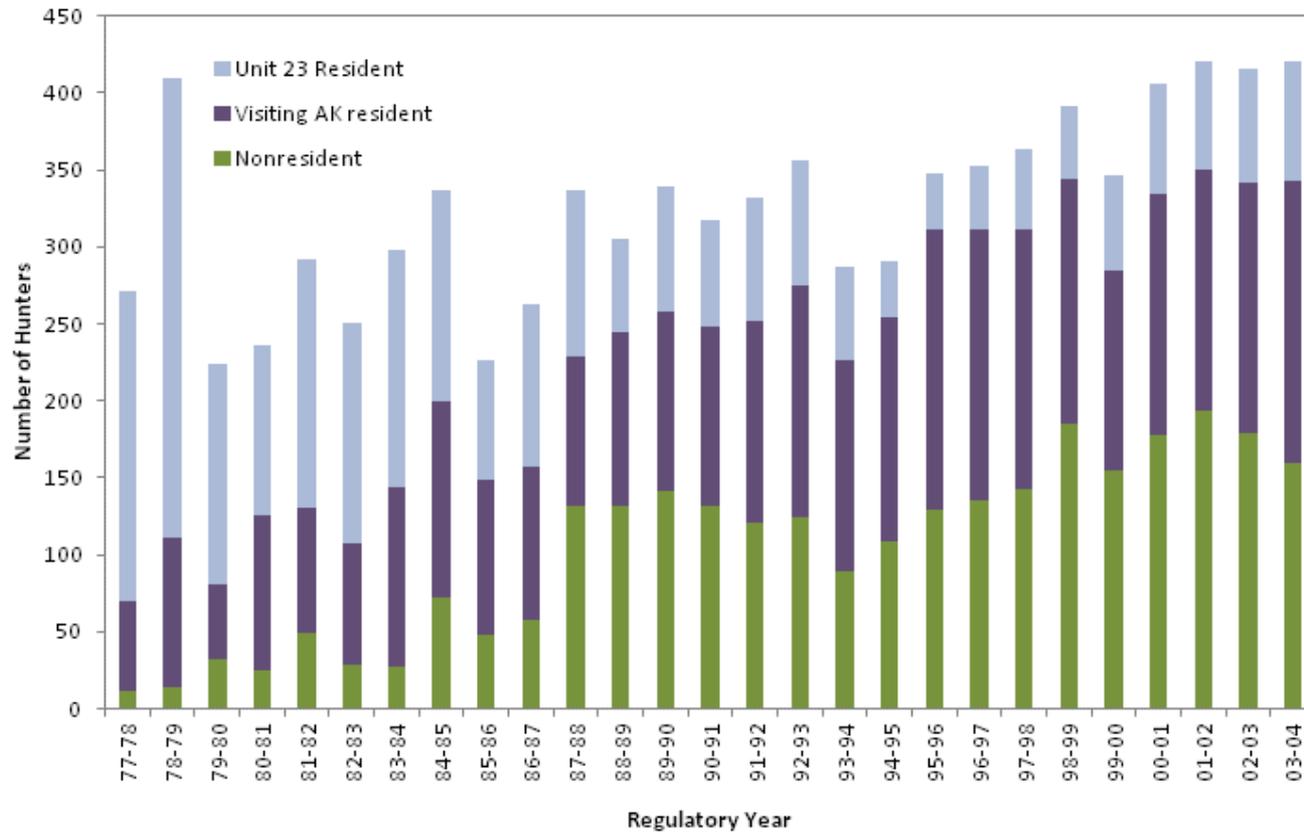
- General Moose Hunt
- RM880
- DM871-877



# Unit 23: Moose

## ☞ Hunter Participation Information

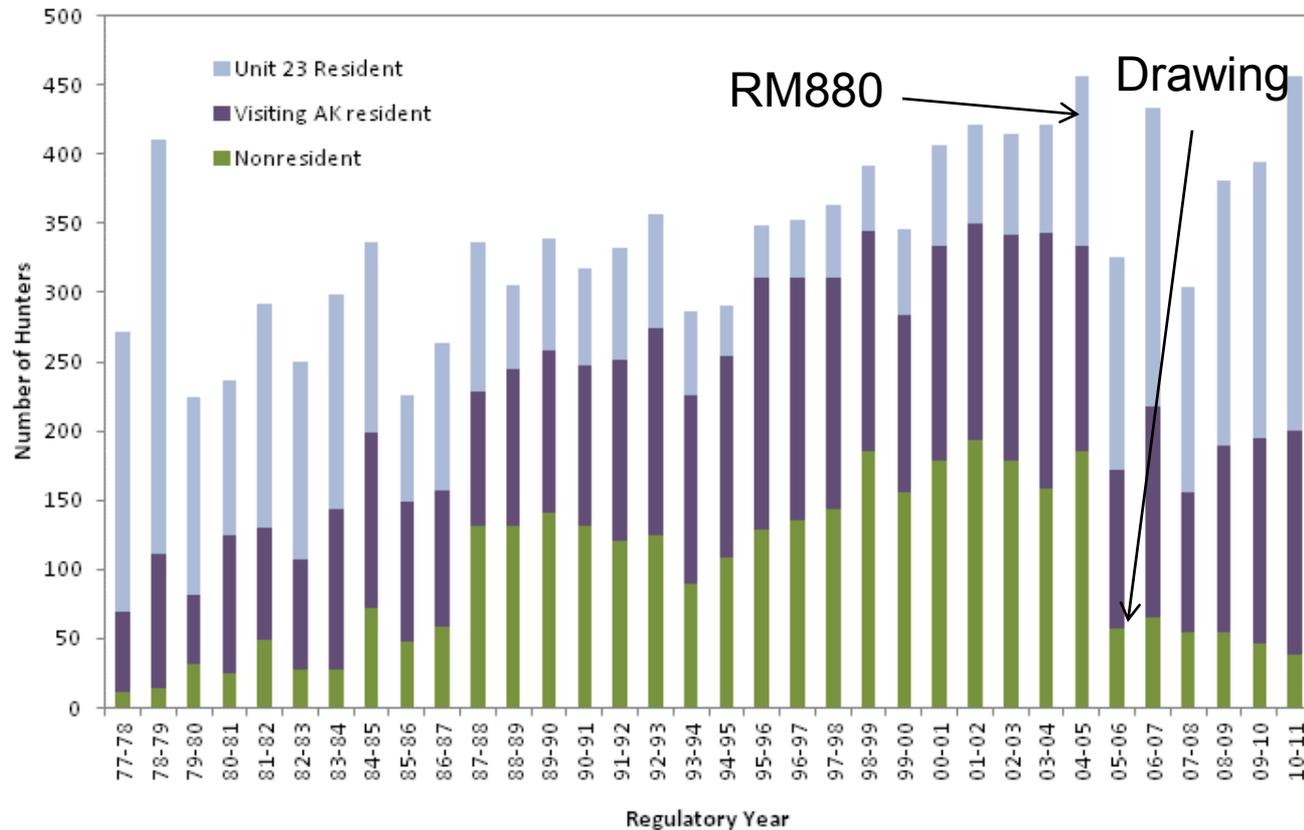
- Prior to RM880



# Unit 23: Moose

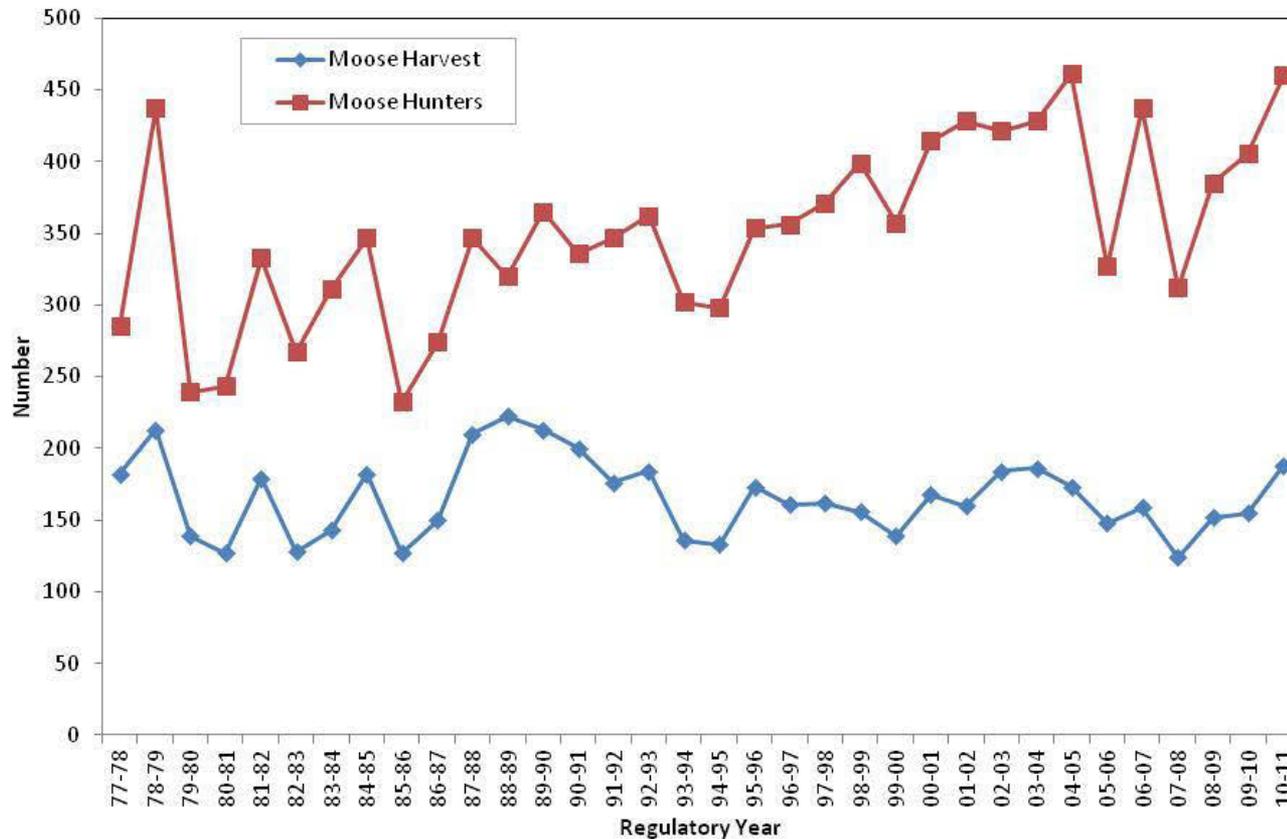
## ☞ Hunter Participation Information

- After RM880 and DM871-877



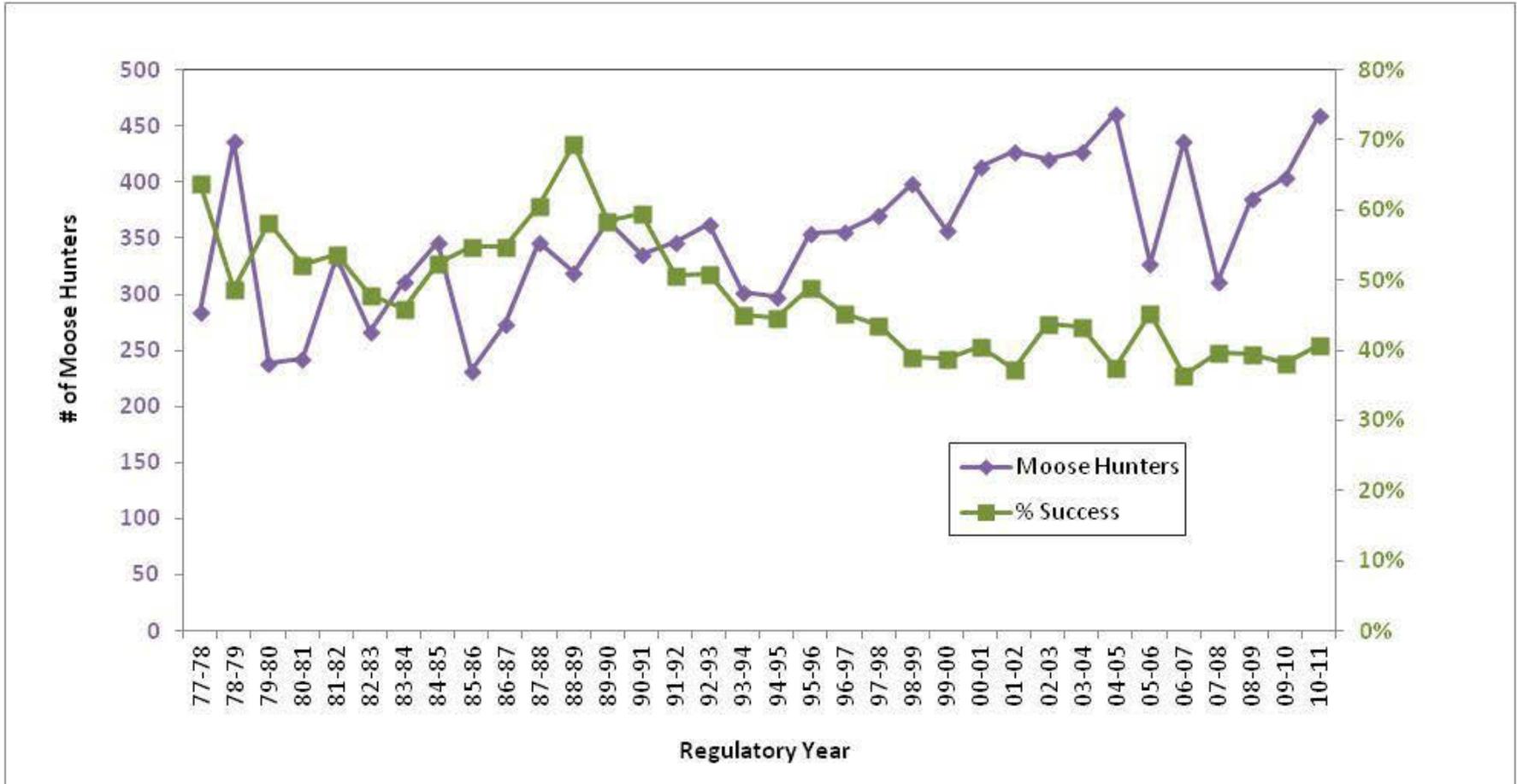
# Unit 23: Moose

## ☞ Hunter Participation and Harvest Numbers



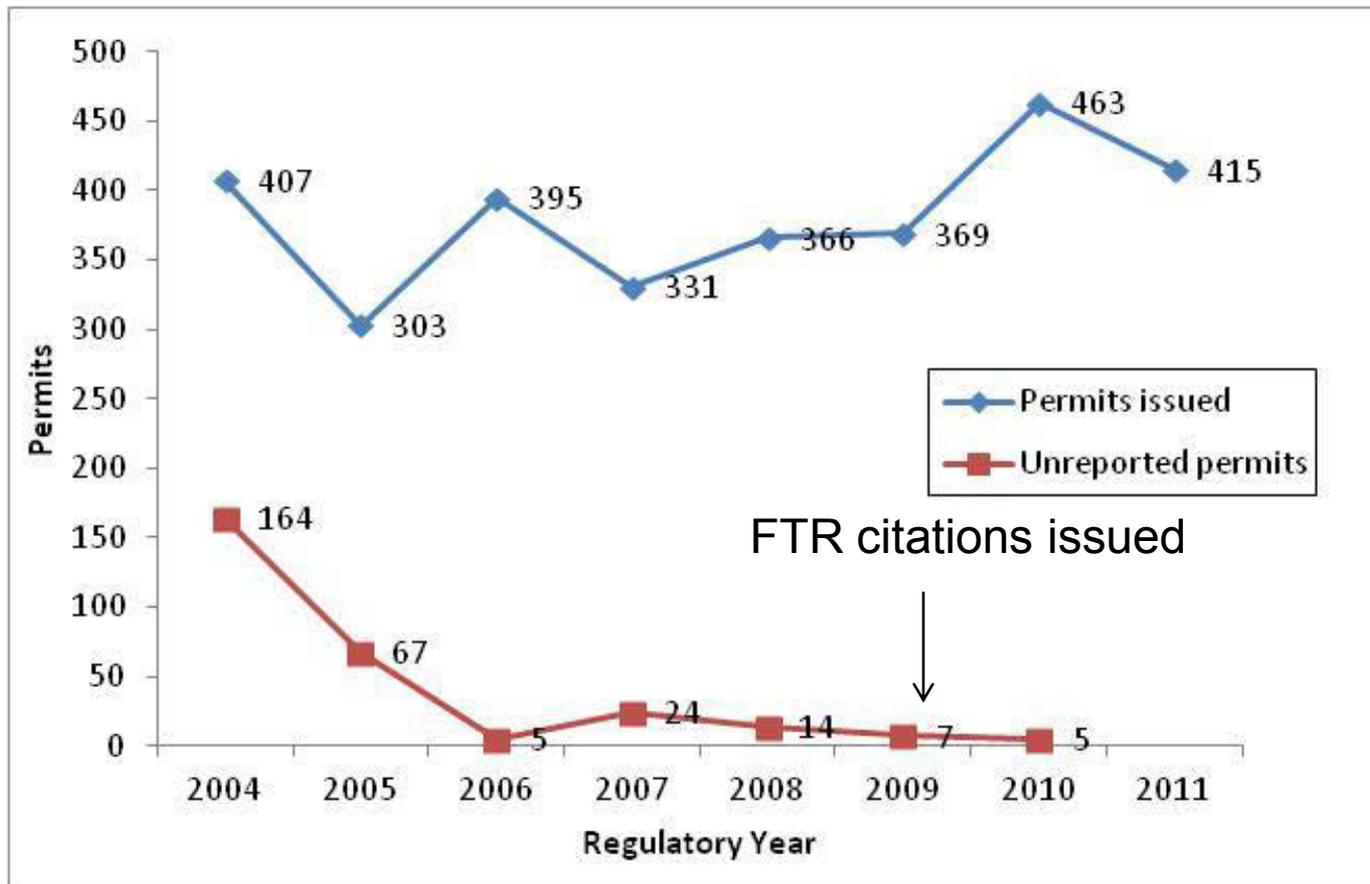
# Unit 23: Moose

## Hunter Participation and Harvest Success



## Unit 23: Moose

# Improved resident harvest data and permit compliance



## Unit 23: Moose

### ➤ Proposal 6 - Summary

### ➤ Recommendation: Do Not Adopt

- Rationale-

- ☒ The conditions that existed when RM880 was implemented are still present

- ✧ There is substantial interest in moose hunting in Unit 23 and user conflict issues persist

- ✧ Moose populations remain at low densities

- ☒ RM880 has been successful at:

- ✧ Distributing the burden of reductions among users

- ✧ Slowing the increase of hunters targeting moose

- ✧ Retaining maximum opportunity for users (long seasons and any bull/any moose bag limits)

- ✧ Improving harvest data

**- End -**

# Unit 23: Moose

## ➤ **Proposal 29**

- Seeks to:
  - ☑ Allocate 50% of all nonresident drawing moose permits in DM875 to applicants who have completed guide/client agreements

## ➤ **This is a public proposal**

- No action by: Kotzebue Sound AC, and Noatak-Kivalina AC
- Opposed by: Northern Seward Peninsula AC

## Unit 23: Moose

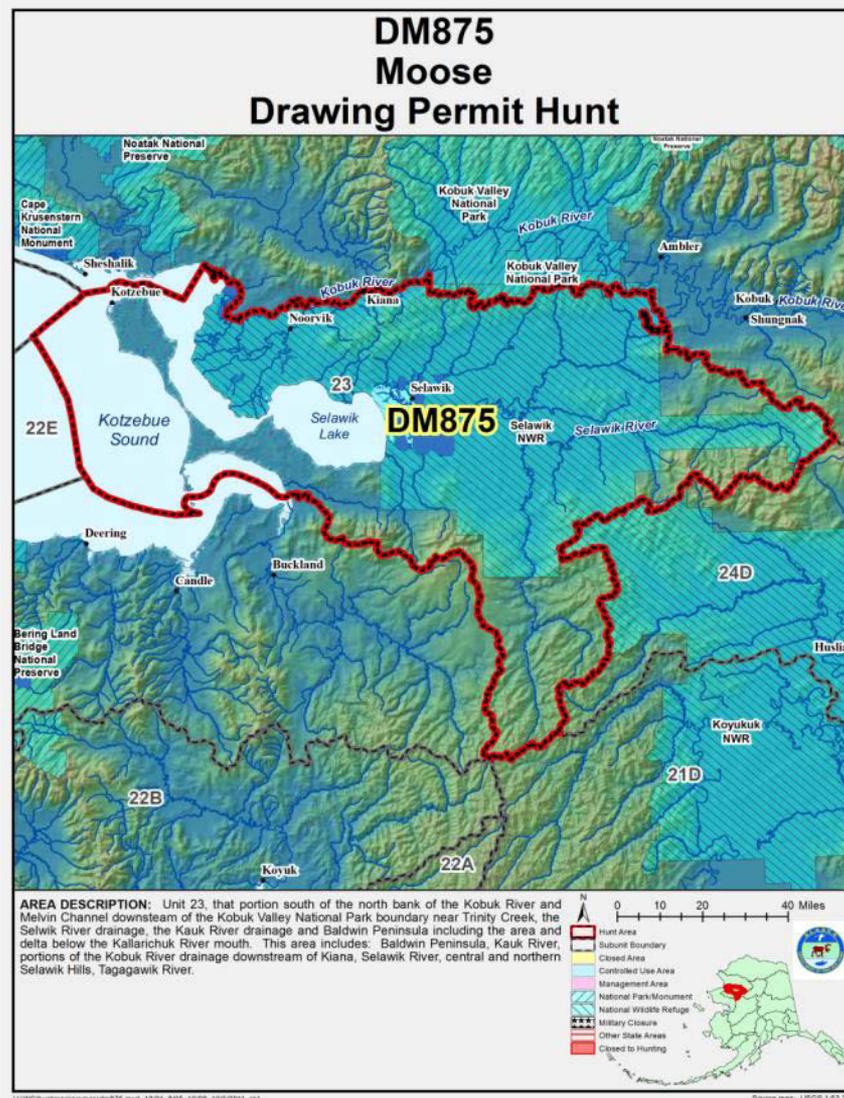
### ➤ Proposal 29

### ➤ Recommendation: None

- Rationale-

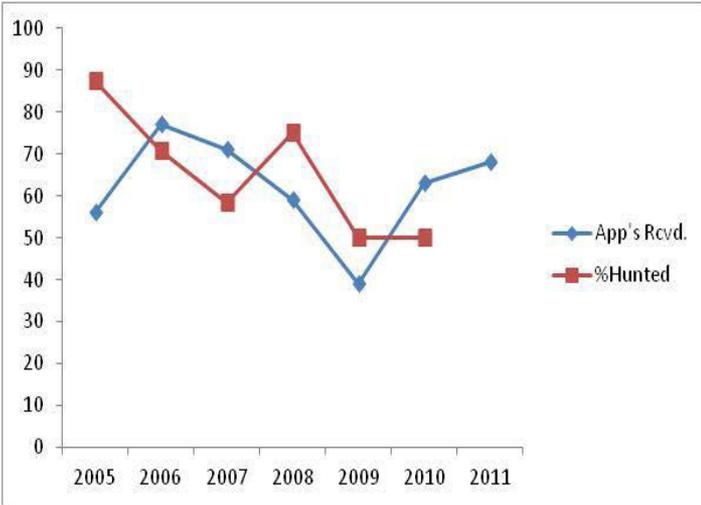
- ☒ This proposal determines permit allocation between guided and unguided users
- ☒ Requirement would likely be similar to guide/client agreements in Units 21(B), 21(D), and 24

# Unit 23: Moose



# Unit 23: Moose

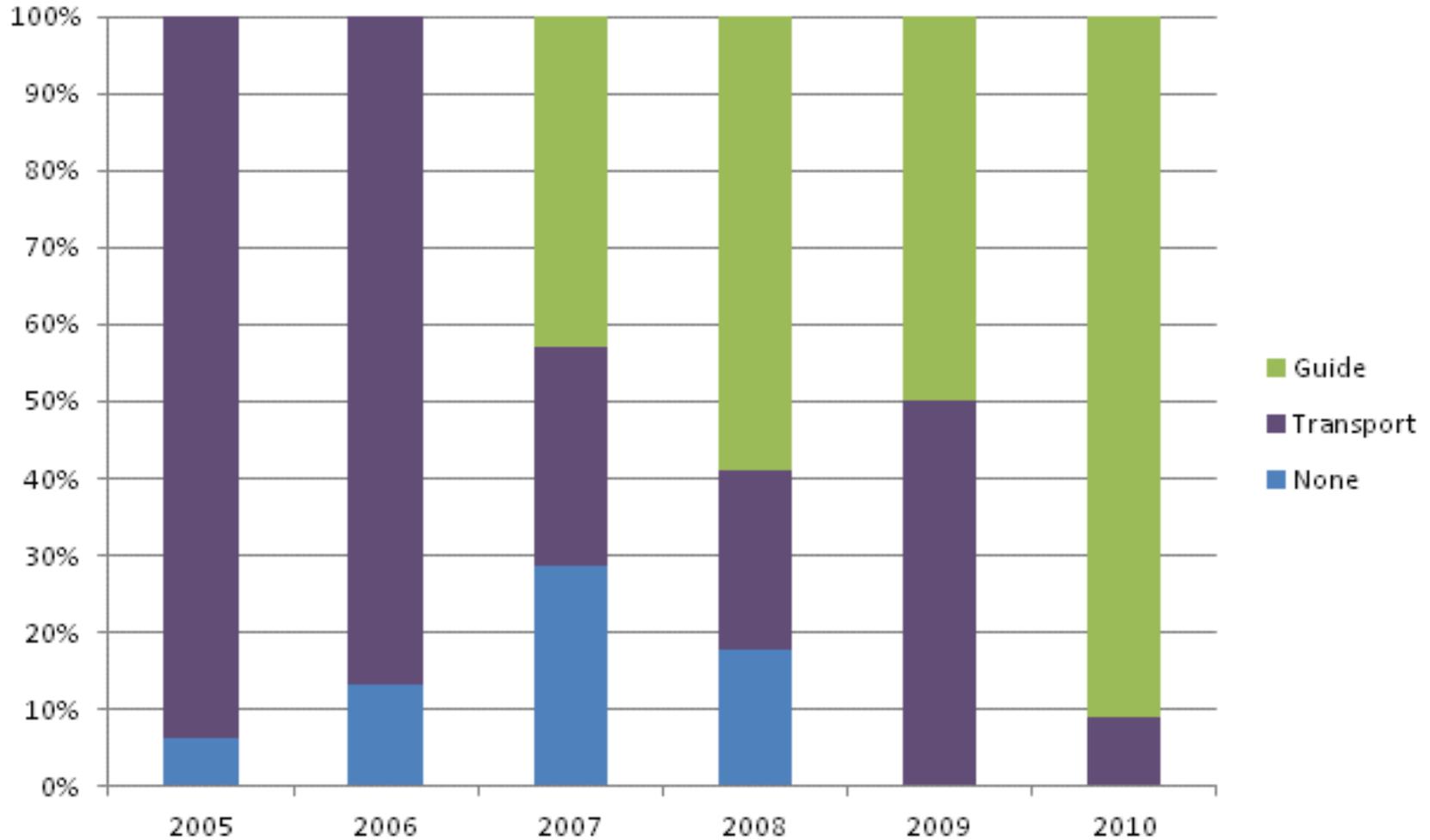
Year	App's Rcvd.	Permits Awarded	% Drawn	# Hunted	%Hunted
2005	56	24	43	21	88
2006	77	24	31	17	71
2007	71	24	34	14	58
2008	59	24	41	18	75
2009	39	24	62	12	50
2010	63	24	38	12	50
2011	68	24	35	12	50



**\* 2011 hunt data are preliminary**

# Unit 23: Moose

## Nonresident Commercial Services (DM875)



**- End -**

## Unit 23: Brown Bear

### ➤ Proposal 30

- Seeks to:
  - ☑ Set an annual harvest quota for bears, within the Noatak National Preserve
    - ✧ Based on a 3-year average harvest rate of less than 8 percent of the adult brown bear population.
    - ✧ Quota-based management would invoke emergency order closures of hunting by the Department when quotas have been reached.

### ➤ This is a public proposal

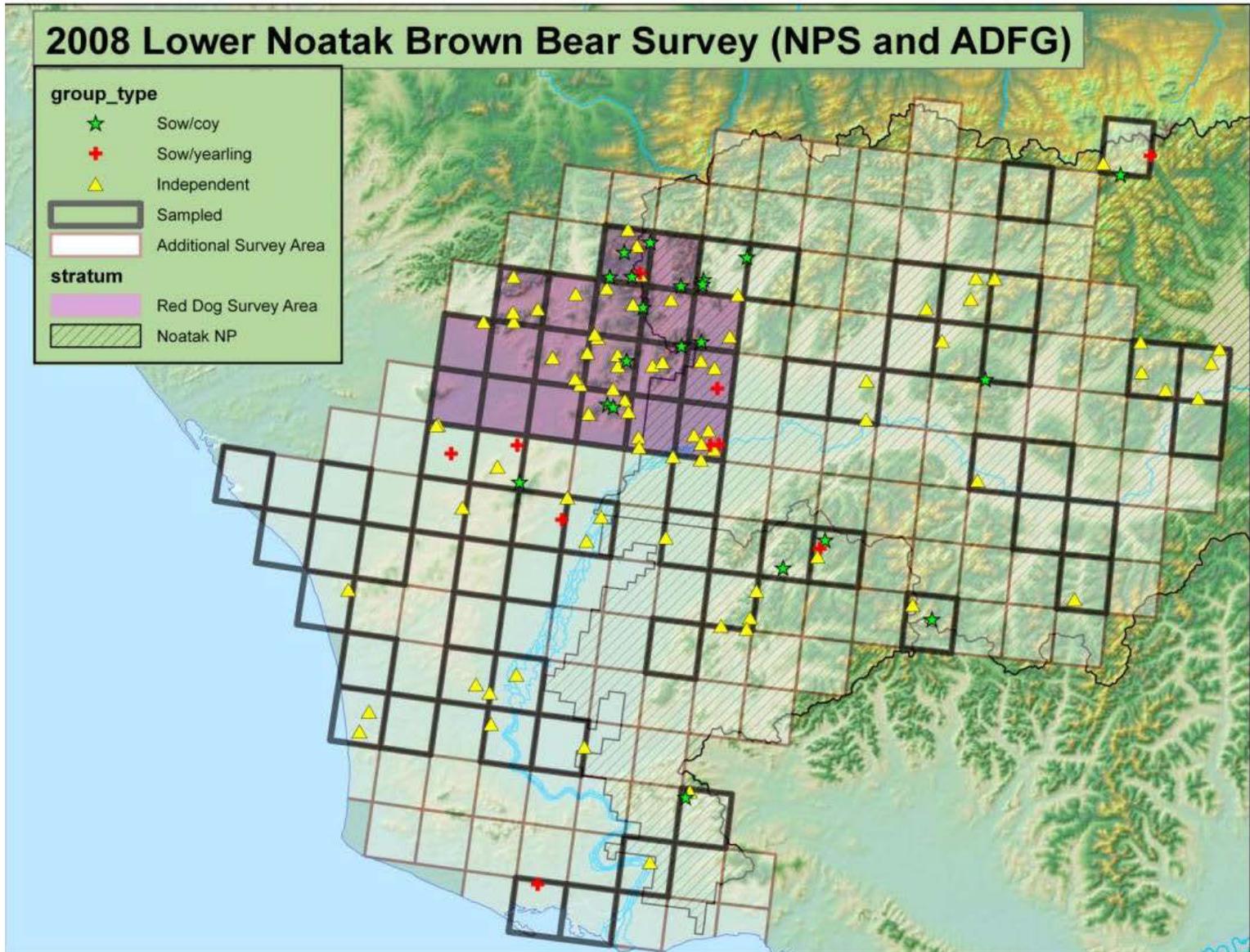
- Opposed by: Kotzebue Sound AC, Noatak-Kivalina AC, and Northern Seward Peninsula AC

# Brown Bear Population

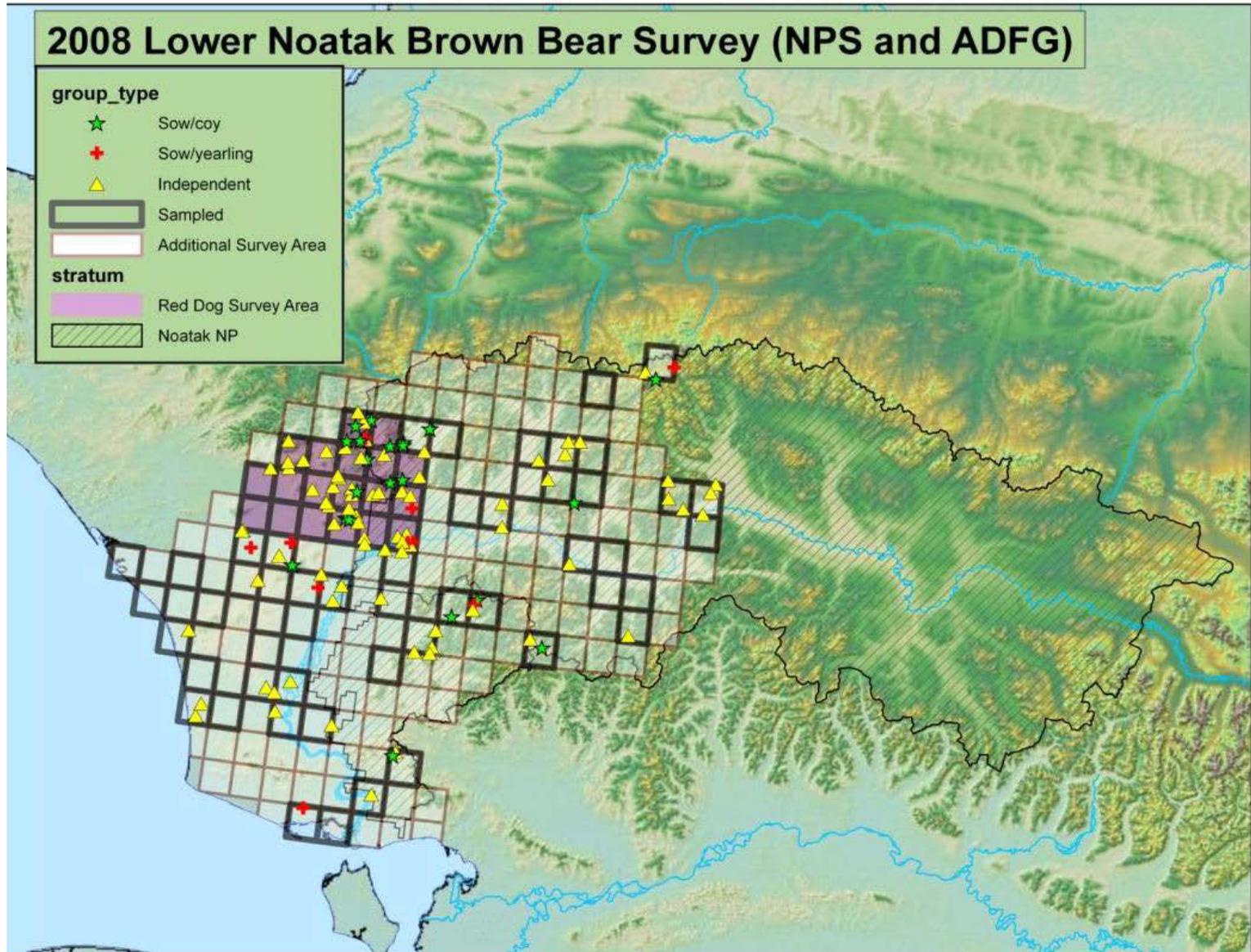
## Population Information

- 1987 Red Dog study with Sightability Correction Factor (SCF)
  - ☒ Densities of 1 bear/25.7 mi<sup>2</sup>
- 2008 study with NPS- final results pending, no SCF
  - ☒ Preliminary minimum count 1.9-2.2 bears/25.7 mi<sup>2</sup>
- Anecdotal reports, Traditional Ecological Knowledge and incidental observations – also suggest an increasing trend.

# Brown Bear Population



# Brown Bear Population



# Brown Bear Seasons

## ∞ **Resident Season-** Aug 1-May 31

- Bag limits

- General season hunt: 1 bear/yr

or

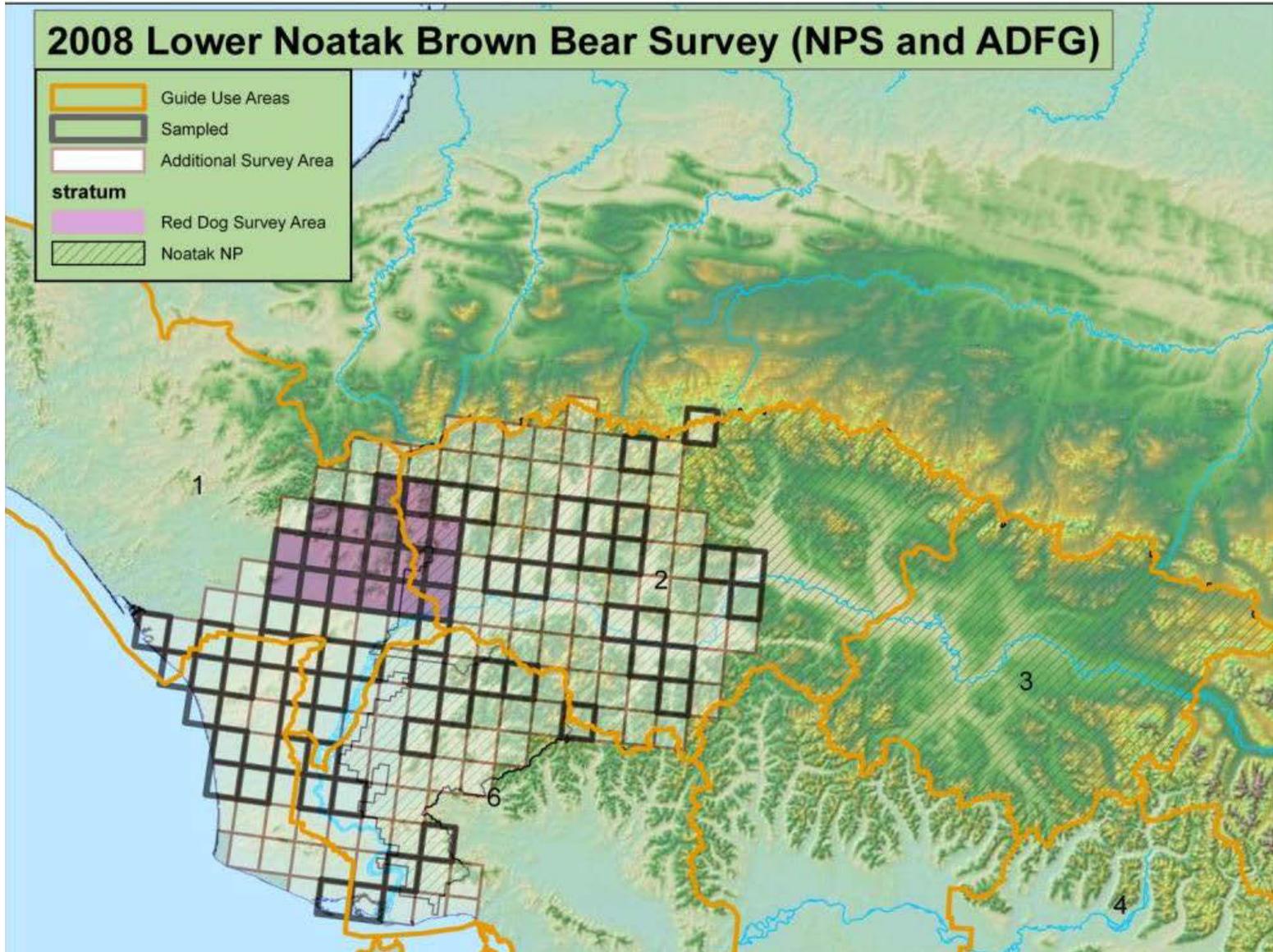
- RB700 subsistence hunt: 1 bear/yr

## ∞ **Nonresident Season-** Sep 1-Oct 31 or Apr 15-May 31

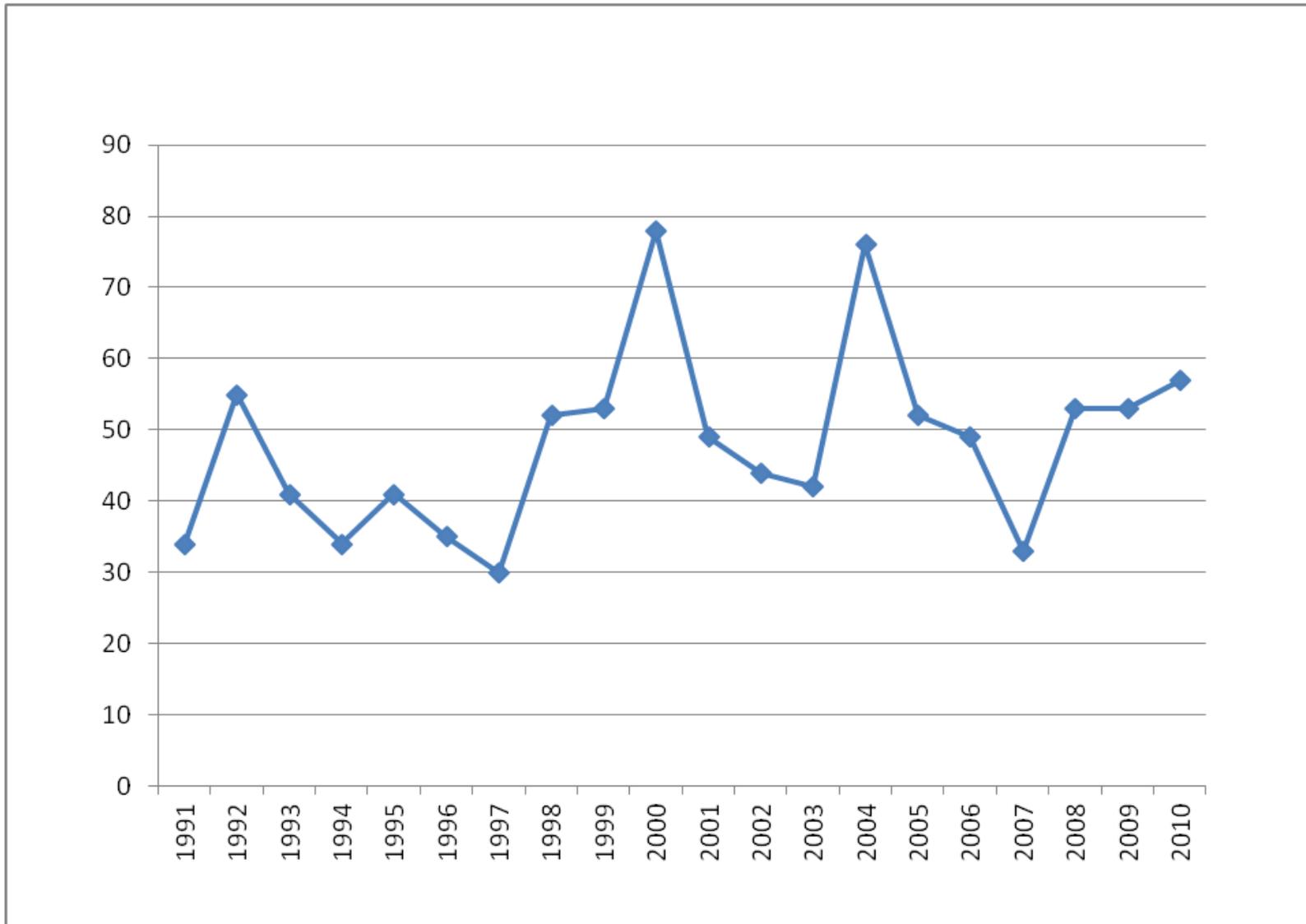
- Bag limits

- Drawing hunt: 1 bear/yr

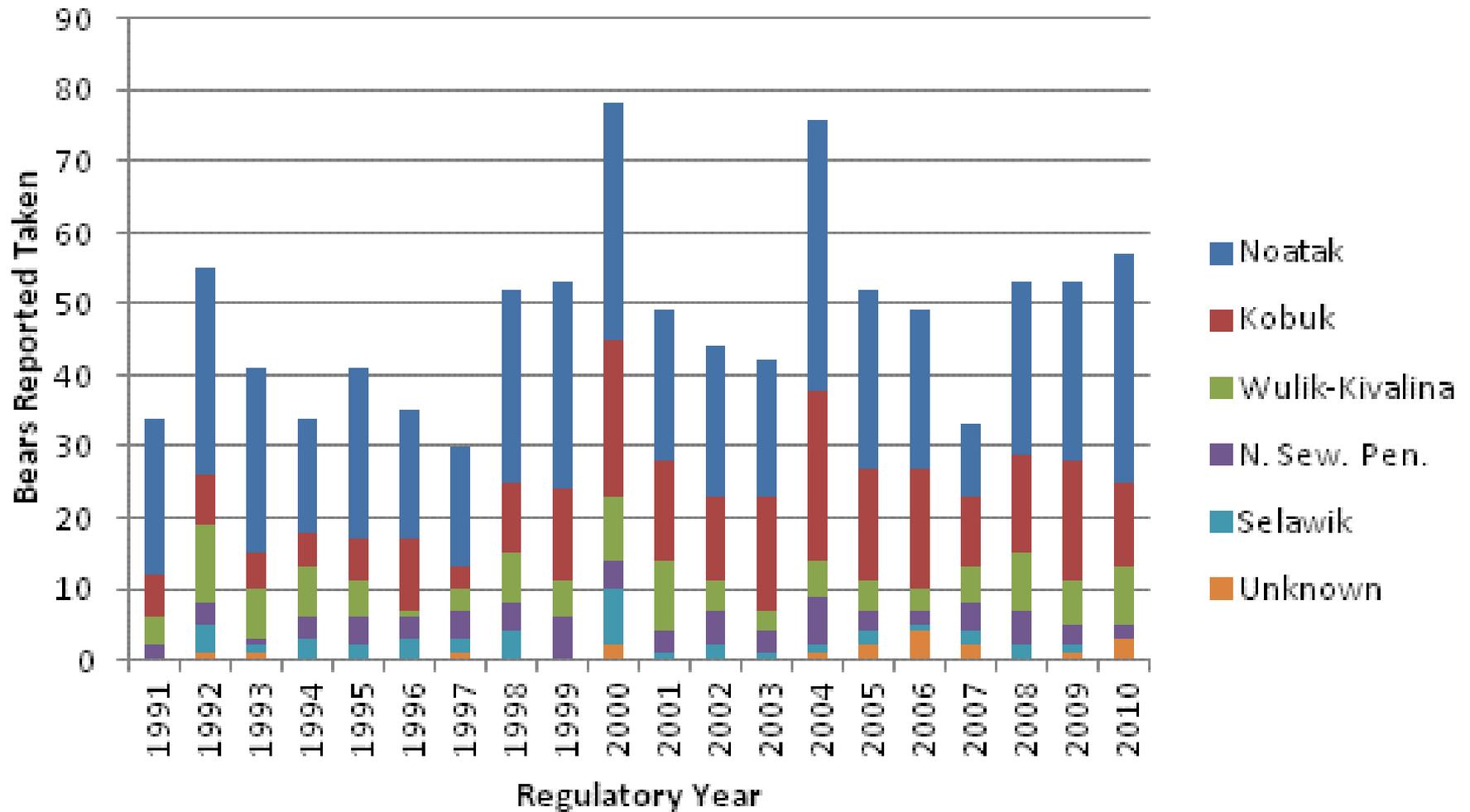
# Brown Bear Population



# Reported Total Brown Bear Harvest

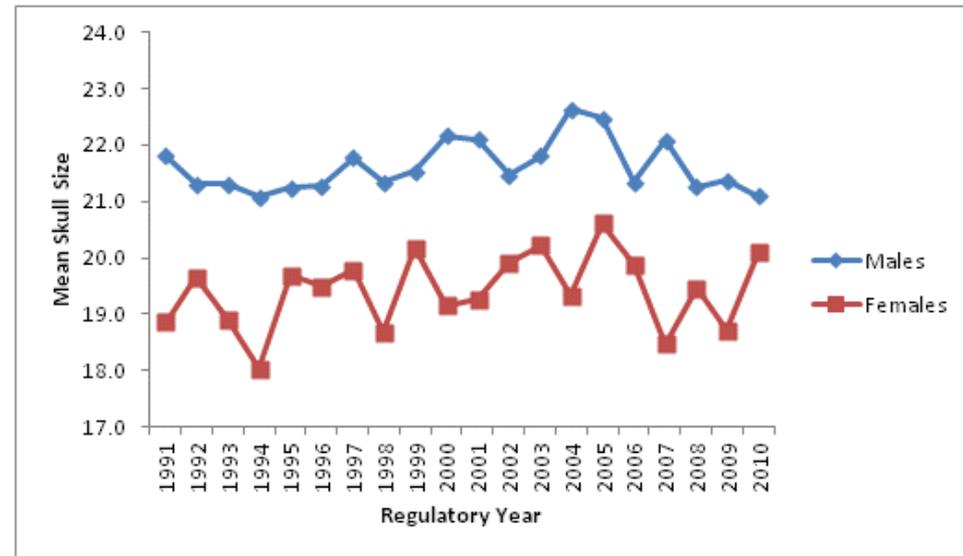


# Brown Bear - Harvest by Drainage



# Brown Bear - Skull Size

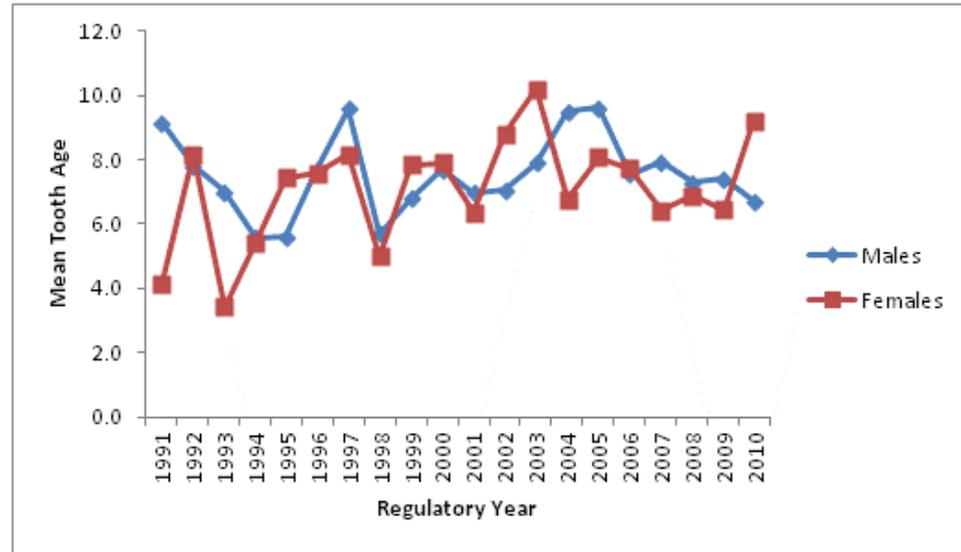
	Males		Females	
	Mean skull size	<i>n</i>	Mean skull size	<i>n</i>
1991	21.8	25	18.9	8
1992	21.3	39	19.7	16
1993	21.3	31	18.9	8
1994	21.1	24	18.0	8
1995	21.2	29	19.7	9
1996	21.3	23	19.5	9
1997	21.8	23	19.8	7
1998	21.3	44	18.7	7
1999	21.5	38	20.2	14
2000	22.2	47	19.2	26
2001	22.1	31	19.3	16
2002	21.5	20	19.9	20
2003	21.8	30	20.2	11
2004	22.6	55	19.3	18
2005	22.5	36	20.6	16
2006	21.3	32	19.9	16
2007	22.1	23	18.5	5
2008	21.3	28	19.5	21
2009	21.4	39	18.7	12
2010	21.1	37	20.1	13



\*Sealing data only

# Brown Bear - Mean Age

	Males		Females	
	Mean Age	n	Mean Age	n
1991	9.1	22	4.1	7
1992	7.8	29	8.2	11
1993	7.0	26	3.4	7
1994	5.6	21	5.4	7
1995	5.6	26	7.4	9
1996	7.7	19	7.6	7
1997	9.6	17	8.2	6
1998	5.7	33	5.0	7
1999	6.8	36	7.8	13
2000	7.7	39	7.9	20
2001	7.0	28	6.4	16
2002	7.1	19	8.8	16
2003	7.9	28	10.2	11
2004	9.5	51	6.8	17
2005	9.6	36	8.1	13
2006	7.6	25	7.7	15
2007	7.9	18	6.4	5
2008	7.3	22	6.9	17
2009	7.4	30	6.5	11
2010	6.7	19	9.2	6



\*Sealing data only

## ➤ **Proposal 30 - Summary**

### ➤ **Recommendation: Do Not Adopt**

- Rationale-

- ☒ Brown bear populations are not declining
- ☒ No biological reason to restrict harvest
- ☒ Harvest quotas rely on precise area specific data that does not exist
- ☒ Many hunters use brown bears for food and would be impacted by this change
- ☒ Requires creation of a new hunt area that overlaps federal boundaries, further complicating regulations

**- End -**

# Unit 23: Wolves

## ➤ **Proposal 13**

- Seeks to:
  - ☒ Develop a Unit specific Amount Necessary for Subsistence (ANS) finding for wolves in Units 18, 22, 23 and 26A
  - ☒ This presentation is for Unit 23

## ➤ **This is a public proposal**

- Opposed by: Northern Seward Peninsula AC
- No action by: Kotzebue Sound AC, and Noatak-Kivalina AC

## Unit 23: Wolves

### ➤ Proposal 13

### ➤ Recommendation: None

- Rationale-

- ☒ Allocation to be determined by Board
- ☒ No survey data or inventory of population
- ☒ Wolf numbers appear to be high in Unit 23
  
- ☒ Subsistence Division will summarize the harvest data

# Unit 23: Wolves

## ➤ Proposal 13

- Seasons and Bag limits
  - ☒ Residents and Nonresidents
    - ✧ Hunting- Aug 1-Apr 30, Bag limit: 20 wolves
    - ✧ Trapping- Nov1-Apr 15, Bag limit: No limit
  - ☒ Virtually no nonresidents use the trapping season due to the expense of the license

**- End -**

## Unit 23: Furbearers

### ➤ Proposal 14

- Seeks to:
  - ☒ Close nonresident trapping seasons for furbearer species in Unit 23 because ANS findings have not been established in Units 18, 22, 23, and 26A.
  - ☒ This presentation is for Unit 23

### ➤ This is a public proposal

- Opposed by: Northern Seward Peninsula AC
- No action by: Kotzebue Sound AC, and Noatak-Kivalina AC

## Unit 23: Furbearers

### ➤ Proposal 14

### ➤ Recommendation: None

- Rationale-

- ☒ Allocation to be determined by Board
- ☒ Furbearer numbers seem to exhibit natural population variation independent of significant harvest
  
- ☒ Subsistence Division will summarize the harvest data

## Unit 23: Furbearers

### ❧ **Trapping Seasons and Bag limits:**

- No closed season, Bag limit: No limit
  - ☒ Beaver, squirrels, and marmot
- Nov 1- Apr 15, Bag limit: No limit
  - ☒ Coyote, arctic fox, lynx, marten, mink, weasels, river otter, wolverine, red fox, and wolves
- Virtually no nonresidents use the trapping seasons due to the expense of the license

**- End -**

# Unit 23: Furbearers

## ➤ **Proposal 19**

- Seeks to:
  - ☒ Close nonresident hunting seasons for furbearer species in Unit 23 because ANS findings have not been established in Units 18, 22, 23, and 26A.
  - ☒ This presentation is for Unit 23

## ➤ **This is a public proposal**

- Opposed by: Northern Seward Peninsula AC
- No action by: Kotzebue Sound AC, and Noatak-Kivalina AC

## Unit 23: Furbearers

### ➤ Proposal 19

### ➤ Recommendation: None

- Rationale-

- ☒ Allocation to be determined by the Board
- ☒ Furbearer numbers seem to exhibit natural population variation independent of significant harvest
- ☒ Subsistence Division will summarize the harvest data

## **Unit 23: Furbearers**

### **❧ Hunting Seasons and Bag limits:**

- Wolverine- Sep 1-Mar 31, one wolverine
- Coyote and arctic fox- Sep 1-Apr 30, two each
- Beaver and squirrels- no closed season, no limit
- Red fox- Sep 1-Mar15, ten foxes
- Lynx-Nov 1-Apr 15, two lynx

**- End -**