
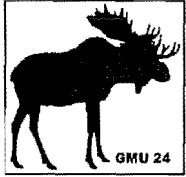
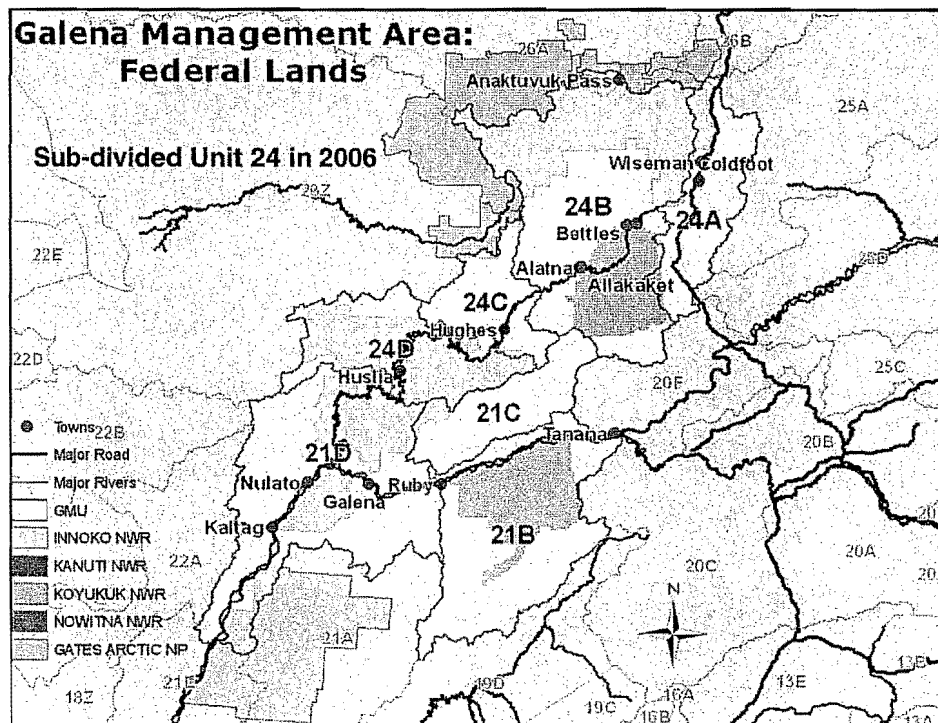
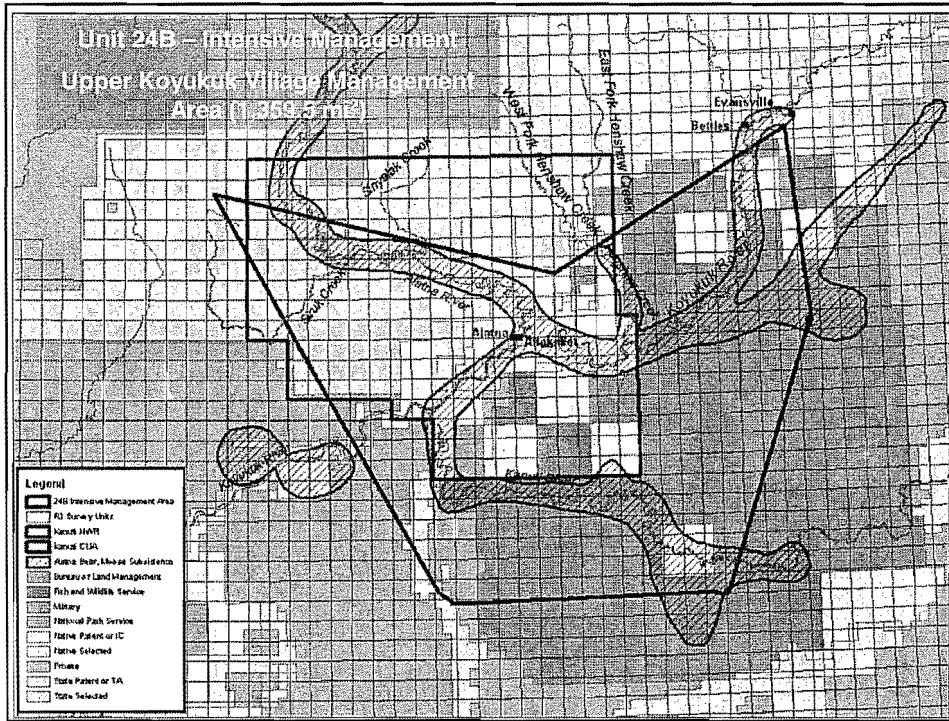


Upper Koyukuk Village Management Area – 24B IM

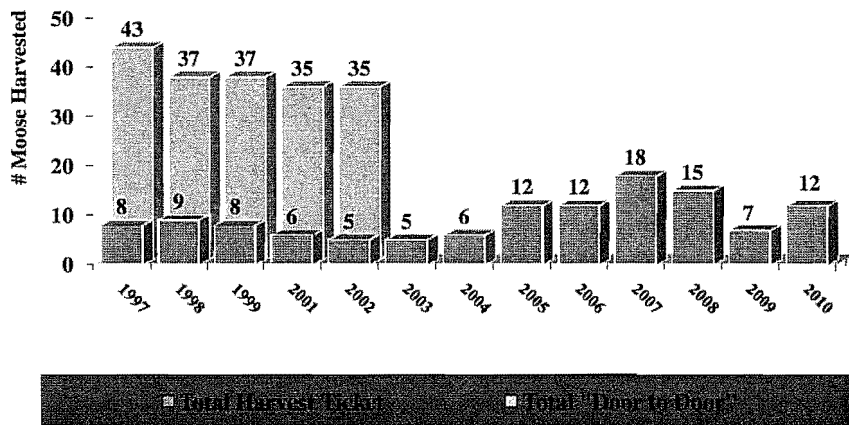
Feasibility Assessment

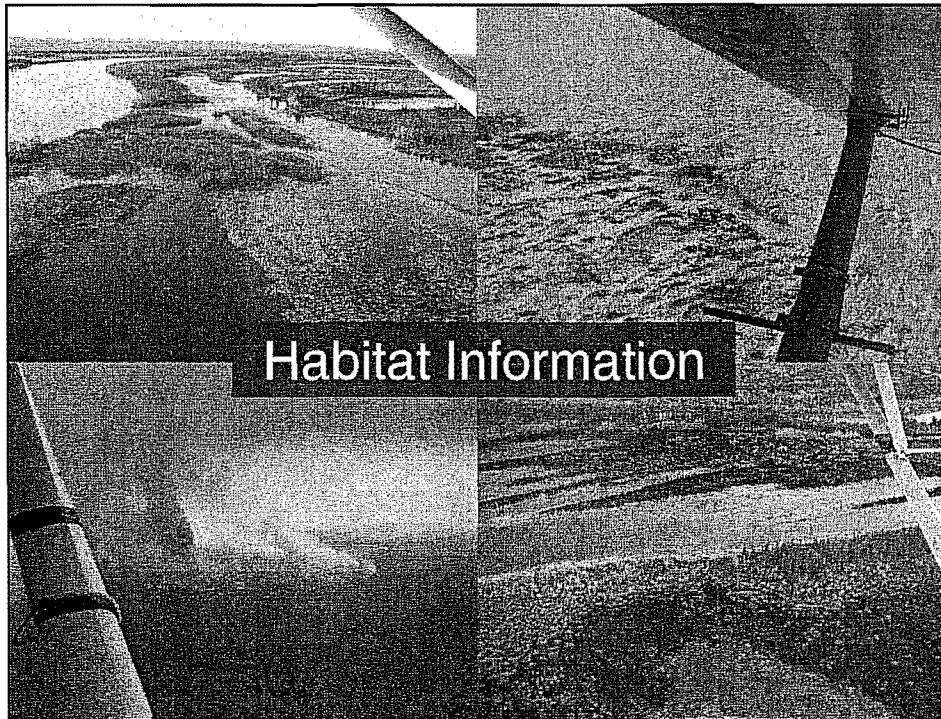
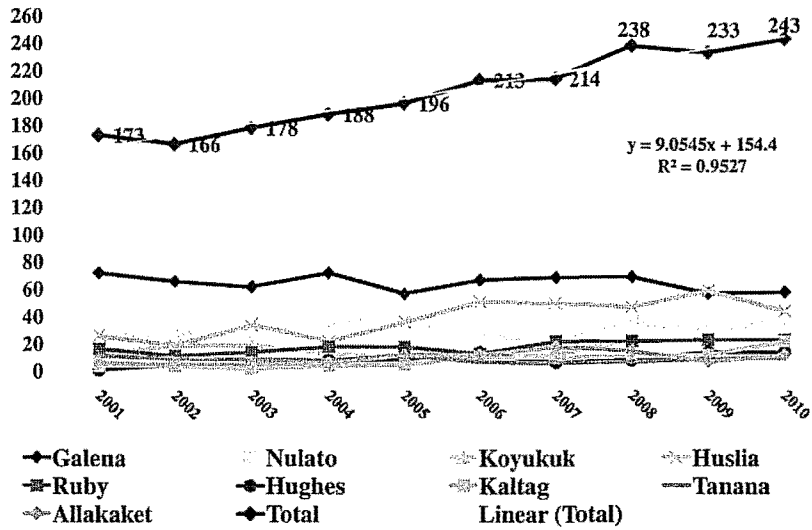


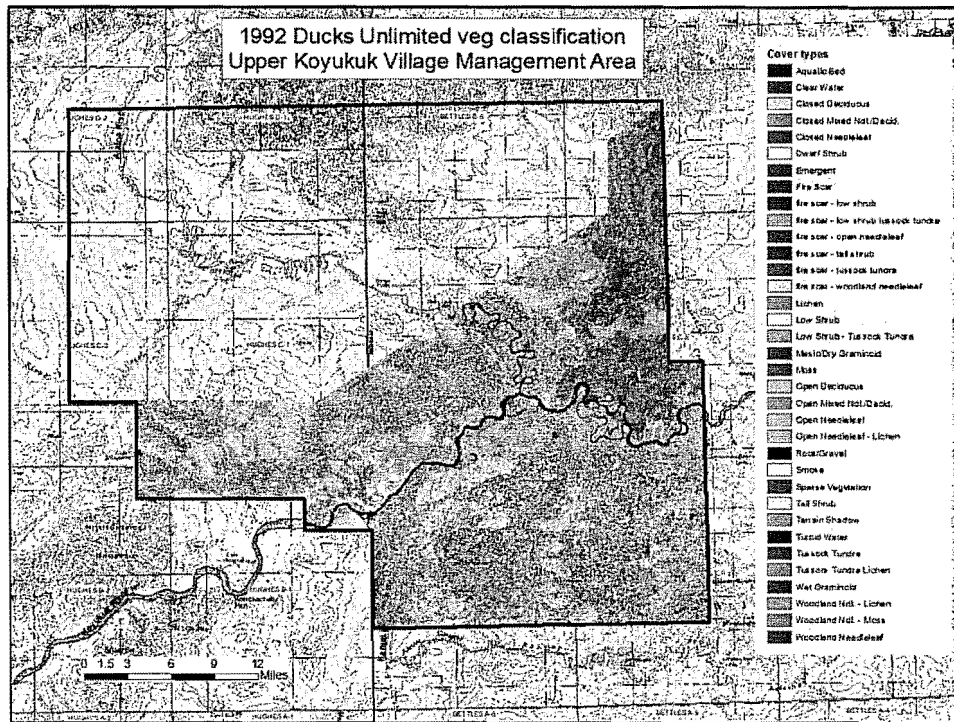
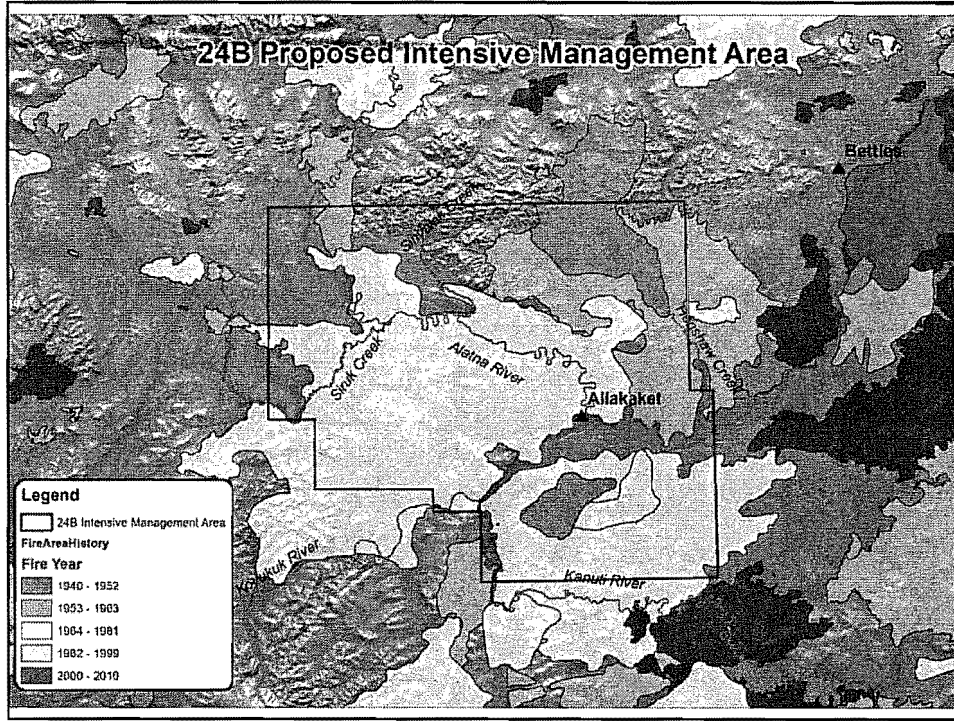


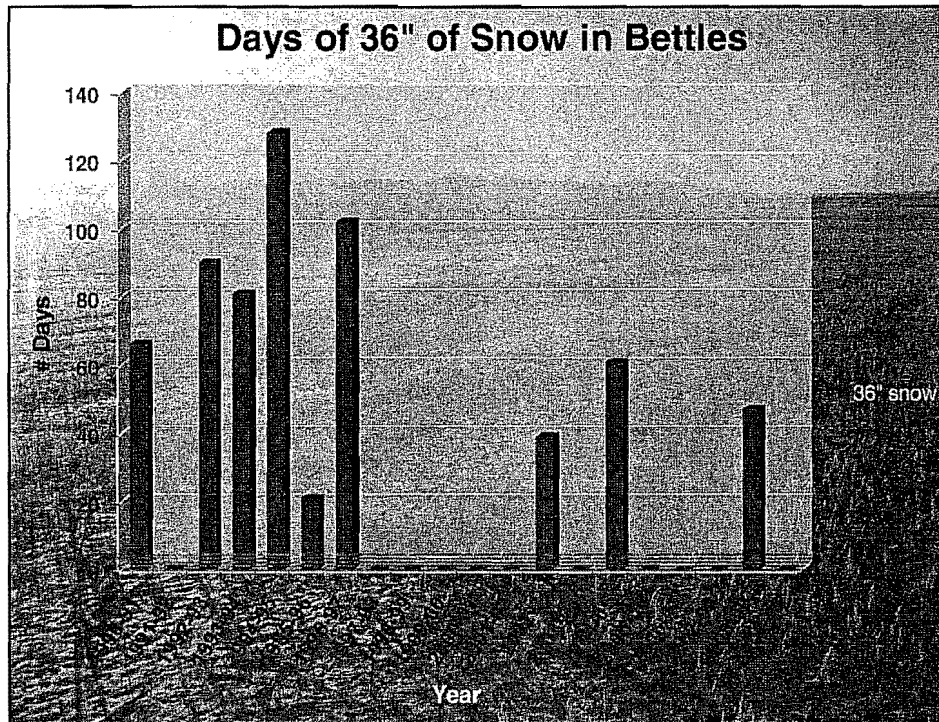
Allakaket Harvest Reporting “Door to Door” vs. Report Card 1997-2010 (19% reporting)



Preliminary (2/25/11) Local Resident Reported Moose Harvest 2001-2010



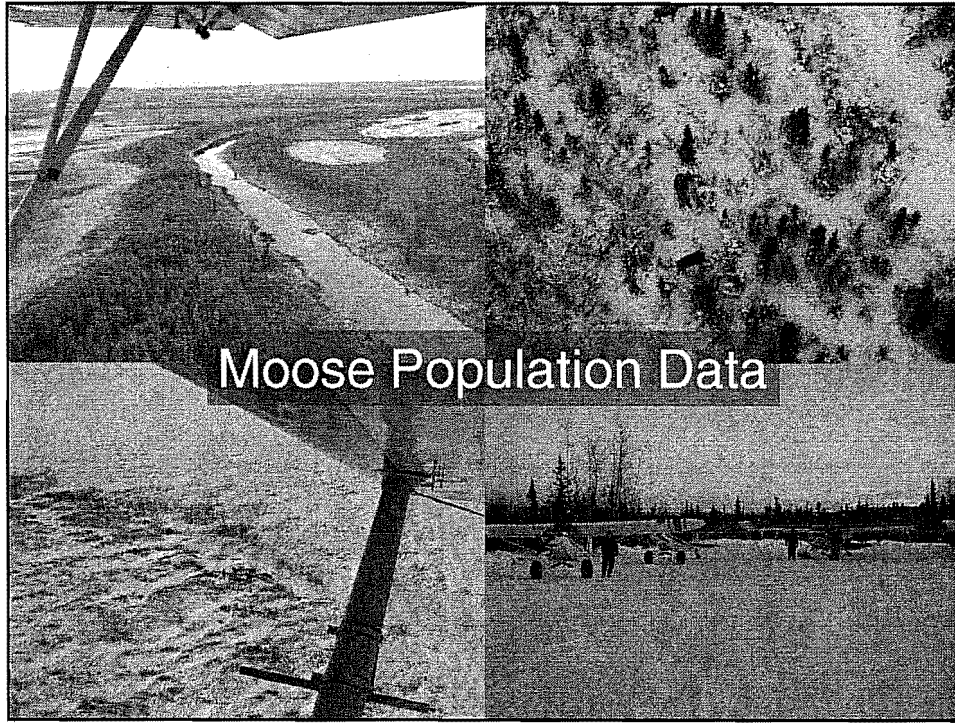




Habitat

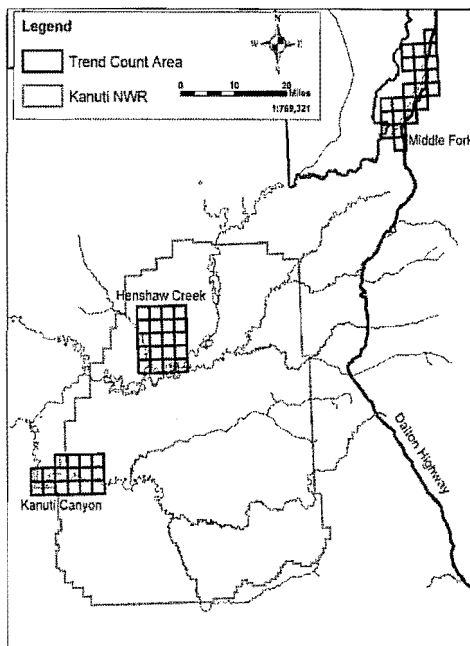
- **Browse Assessment (2007)**
 - **Biomass Removal 5.3% (4.3-6.3: 95% C.I.)**
 - **Removal Index 8.8% (6.8-10.8: 95% C.I.)**
 - **Brooming Index 0.34 (0.28-0.40: 95% C.I.)**

- **Twinning Rates**
 - **2008 -- 35%**
 - **2009 -- 60%**
 - **2010 -- 58%**

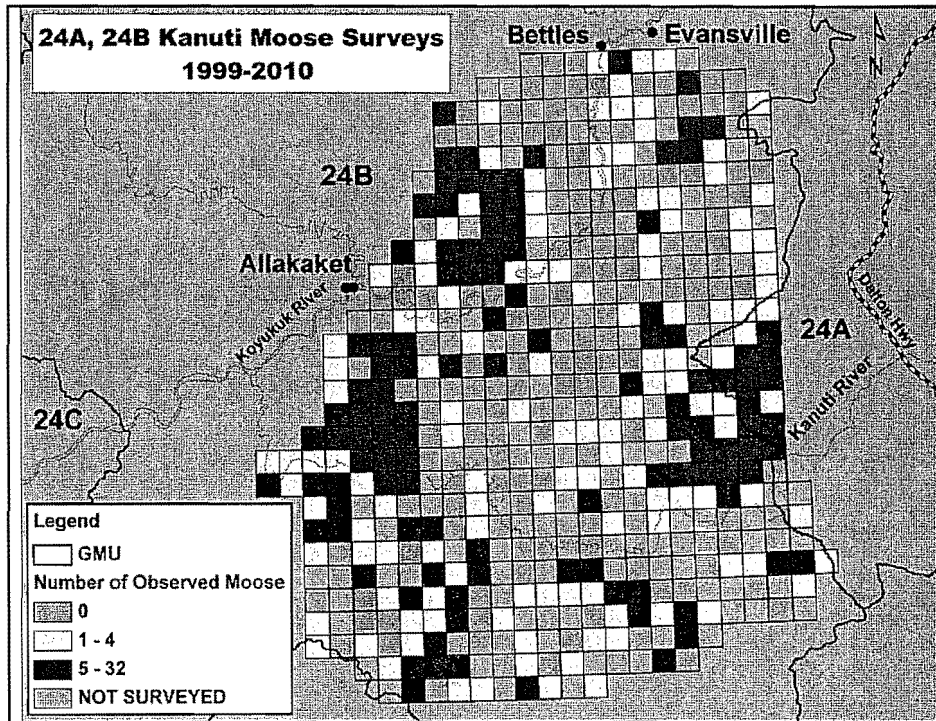
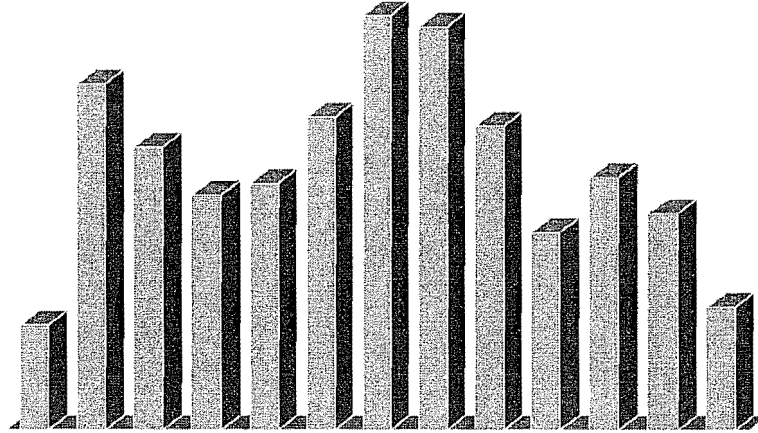


**ZONE 2
Moose
Survey
Areas**

GMU 24

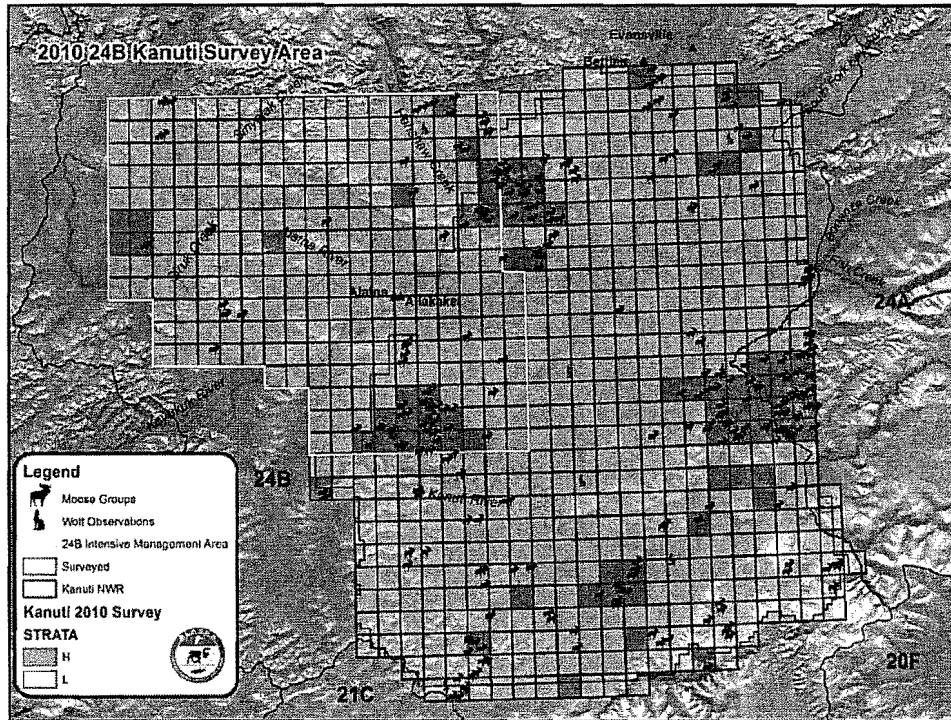
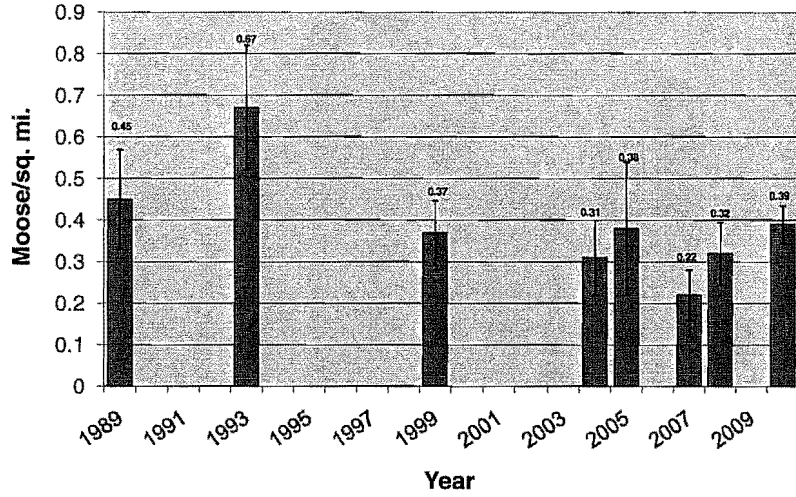


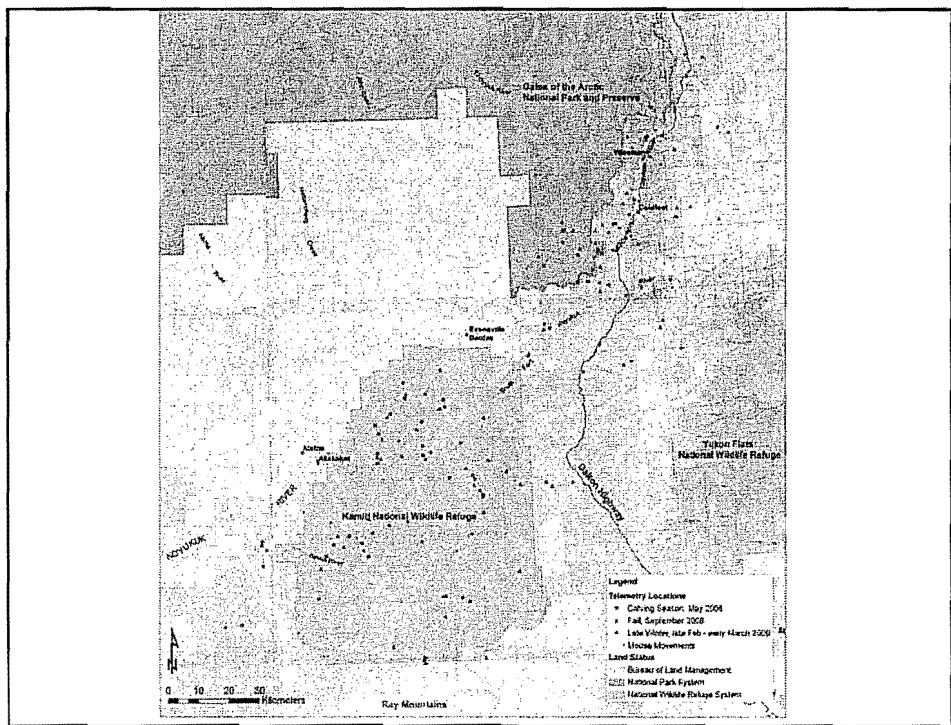
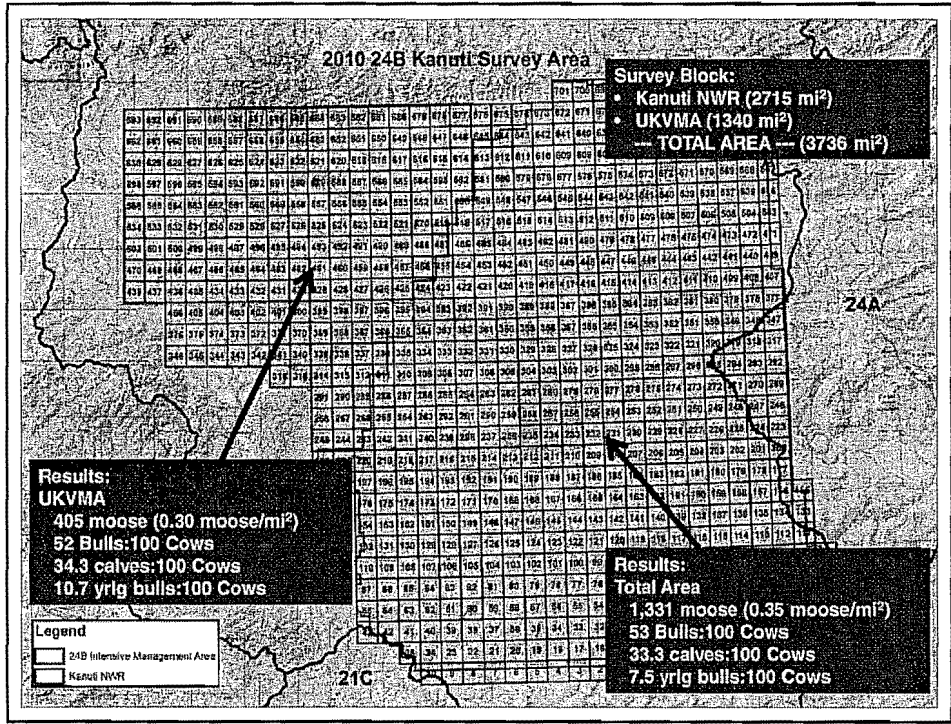
GMU 24 - Kanuti Canyon Trend Count Area, Aerial Survey Density

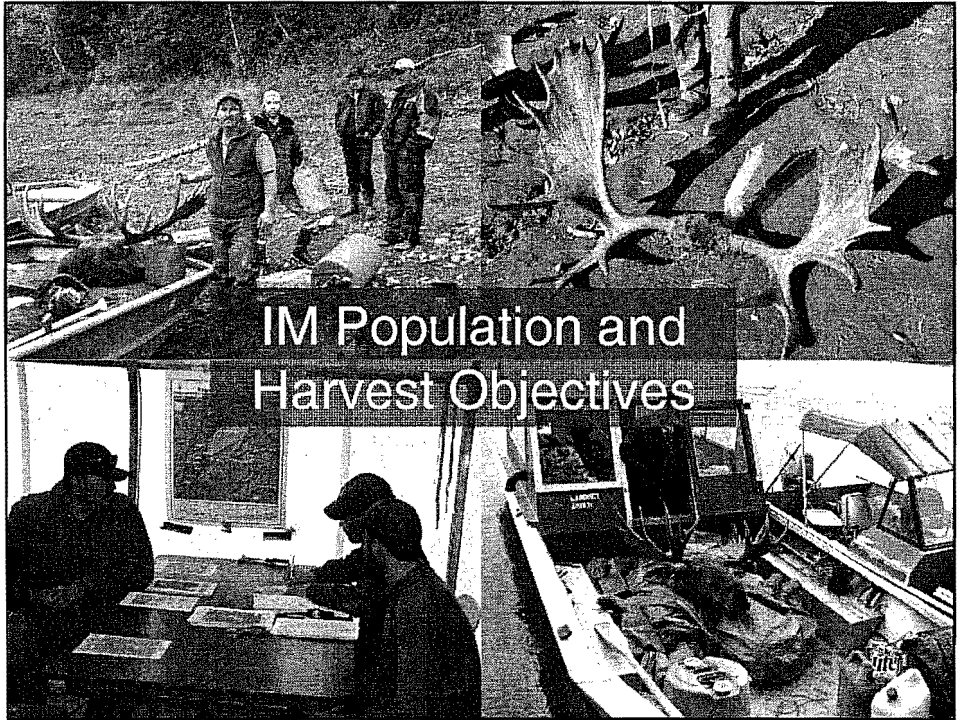
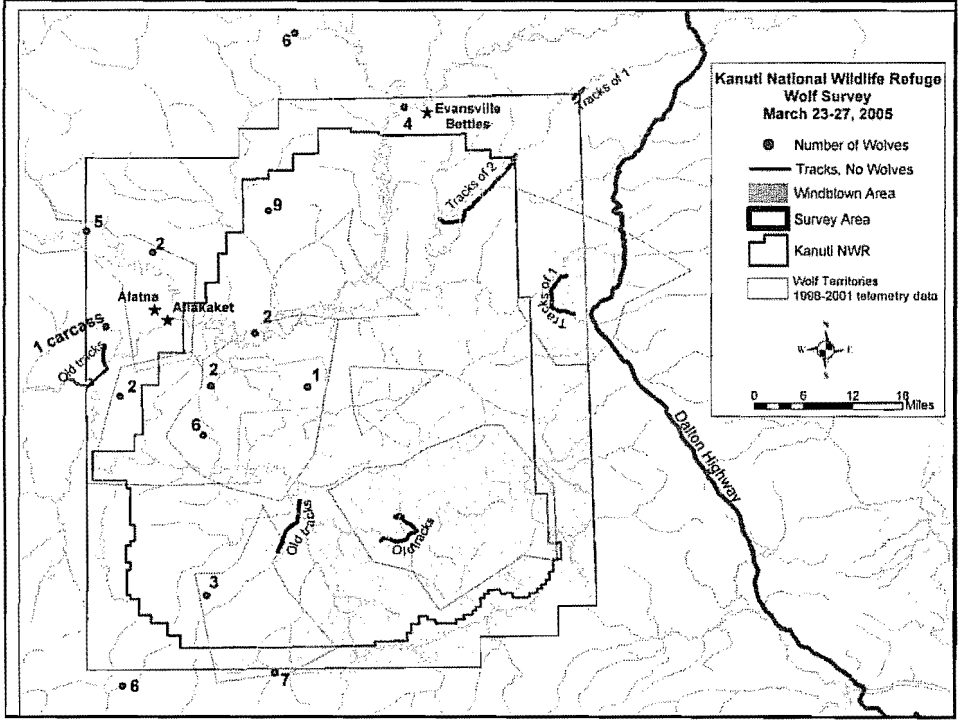


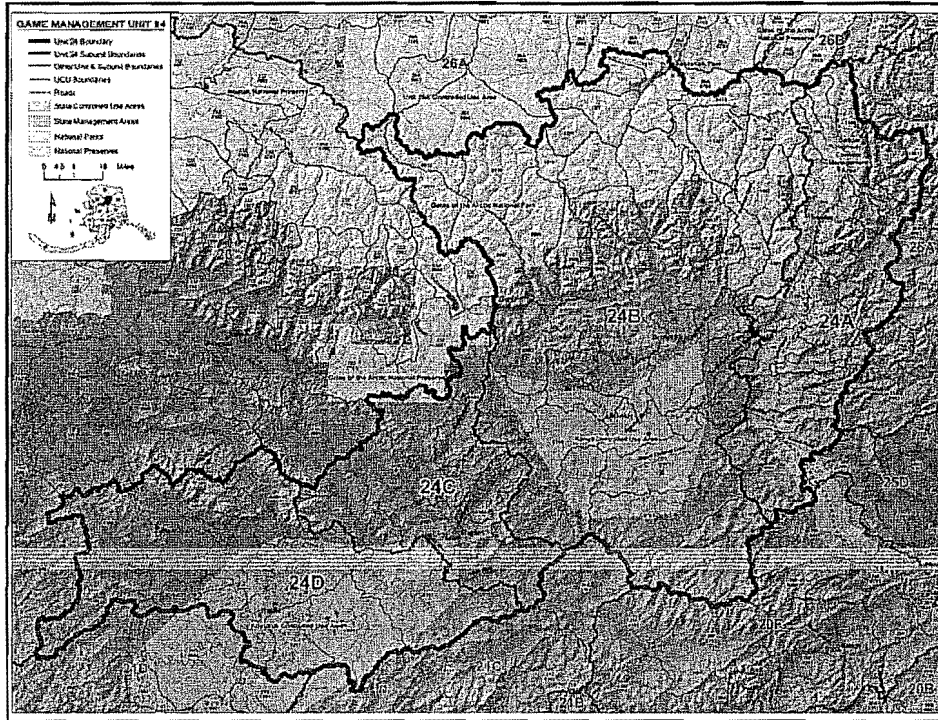
Kanuti Moose Density Estimates

Moosepop 1989 & '93 w/o SCF in '93, GSPE in '99, 2004, '05, '07, '08, & '10
Adjusted for Survey Area Size









GMU 24 - Harvest Analysis

2010 Estimated Harvest Percentages

Sub-unit	Population estimate ^a	Current Harvest ^b	Harvest Rate
24A	865 ± 250	30	3.5
24B	2,600 ± 800	82	3.2
24C	650 ± 130	44	6.8
24D	4,635 ± 350	140	3.0
Total	8,750 ± 1,570	296	3.4

^a Observable moose

^b Includes estimated unreported harvest



GMU 24 - Harvest Analysis

2010 Estimated Harvest Percentages

Sub-unit	Harvest Rate	Population estimate	Harvestable Surplus	Current Harvest ^a
24A	5%	865 ± 250	43	30
24B	5%	2,600 ± 800	130	82
24C	5%	650 ± 130	33	44
24D	7%	4,635 ± 350	324	140
Total	5%	8,750 ± 1,530	438-530	296

^a Includes estimated unreported harvest



Intensive Management Objectives Harvest

<u>Subunit</u>	<u>Current Est.^a</u>	<u>IM Objective</u>
24A	30	75-125
24B	82	150-250
24C	44	50-125
24D	<u>140</u>	<u>225-425</u>
Total	296	500-925

Current Management Objective < 360^a or 5%

^a Includes estimated unreported harvest



Intensive Management Objectives Population

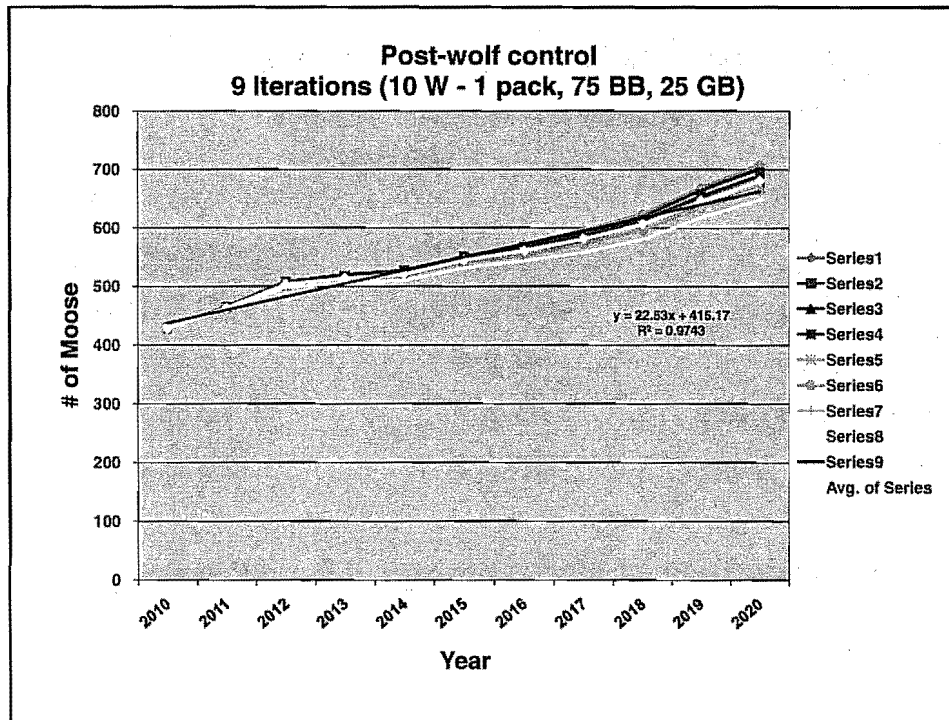
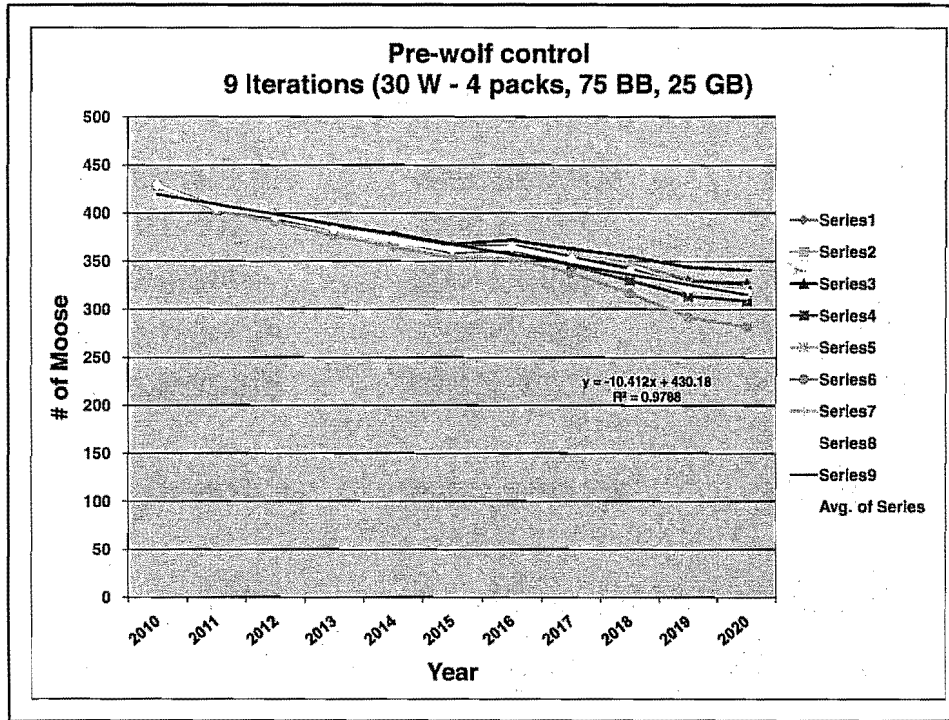
<u>Subunit</u>	<u>Current Est.</u>	<u>IM Objective</u>
24A	865 ± 250	1200-1500
24B	2,600 ± 800	4000-4500
24C	650 ± 130	1,000-1,500
24D	4,635 ± 350	5,000-6,000
Total	8,750 ± 1,530	11,200-13,500
Current Management Objective		10,000-12,000



Upper Koyukuk Village Management Area (UKVMA – 1359.5mi²)

	<u>Current Est.</u>	<u>Proposed Obj.</u>
# Moose	405 ± 96	750 ± 150
# Wolves	30 ± 5	5 ± 5
# Black Bears	75 ± ?	75 ± ?
# Grizzly Bears	25 ± ?	25 ± ?
Human Harvest	10-20 moose	40 moose





Key Components of UKVMA

- **Wolves only, no Black Bear or Grizzly Bear control (e.g. black bears are important for food)**
- **Strong cultural taboos concerning predators, especially bears (e.g. handling wolves)**
- **Small program will not change populations**
- **Proposed population and harvest would continue to be below sub-unit IM objectives but efforts will contribute toward those objectives**
- **Treatment area not on USFWS Lands, but includes Native Corporation Lands**
- **Predator control response monitoring will be limited**
- **Program will emphasize efficiency and cost effectiveness**
- **Reallocation of moose from wolves to people**

Recommended Process

- 1. Incorporate BOG and Public Input**
- 2. Complete Final Review of Feasibility Assessment**

Depending on Comments

- 1. Complete Intensive Management Plan for Upper Koyukuk Village Management Area (UKVMA)**
- 2. Complete 5AAC 92.125 Plan, submit as proposal for 2012 RIII-BOG meeting**

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