

Game Management
Units 9 and 10

OVERVIEW



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Units 9 and 10

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King Salmon Area Office Staff

- Amy Vande Voort, Area Biologist
- Evelyn Lichwa, Assistant Area Biologist
- Michael Hevezi, F&G Program Technician



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Unit 9



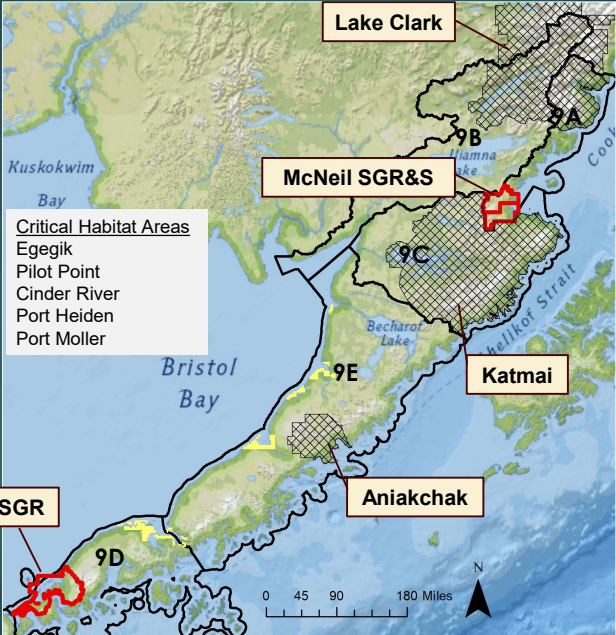
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- Area: 34,000 mi²
- Length: 600 miles
- Population: 3,400
- Villages: 21
- Active volcanoes: 16

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Unit 9



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Unit 10

Aleutian Island Archipelago

Area: 7,000 mi²

Length: 1,200 miles

Islands 70

Population: 6,900

Villages: 8

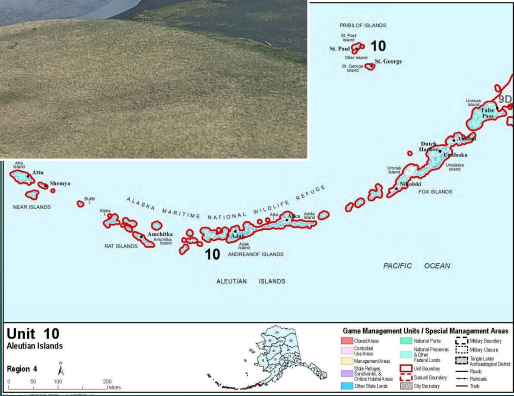
Active volcanoes: 3

Adak Island: Caribou

Unimak Island: Caribou, brown bear, wolf, furbearers



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Unit 9 Brown Bear

Population : 7,000–8,000

Status: Probably stable

Harvest: 400–500 every other year

Issues: Nuisance bears
Illegal kills



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Proposals 9–18

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Units 9 & 10 Brown Bear Abundance

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Population Abundance and Density Estimates: 1989–2009

Year(s)	GMU	Method*	Study area	Area km ²	Abundance estimate	Density /1,000 km ²	Harvest rate (%)
1989	9E	CMR	Black Lake	1,215	239	190	6.8
1990	9C	CMR	Katmai coast	901	496	551	0.1
1999-00	9B	DCDS	Lake Clark	6,096	222	36.3	1.6
2002	9D	MRDS	9D	8,648	1,683	194.6	4.3
2002	10	MRDS	Unimak Island	2,869	317	110.4	3.2
2003	9A	DCDS	9A	7,380	703	150	3.9
2003	9A	DCDS	Lake Clark NP	3,846	466	147	0.6
2004-05	9C	MRDS	9C	13,848	1,950	108	1.4
2004-05	9C	DCDS	Katmai NP	18,150	1,869	103	1.3
2004-05	9C	DCDS	Katmai Preserve	1,254	125	99.7	-
2009	9B	MRDS	Lake Iliamna	9,189	492	56.5	4.8

*CMR:

Capture-mark-recapture using collared bears

DCDS:

Aerial double count, distance-sampling

MRDS:

Aerial mark-recapture, distance-sampling

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Brown Bear Composition

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- 1960s - Present in Unit 9E
- 15–20 sets of replicates on dozens of streams
- Indicate age/sex structure of the population
- Repeated 3–5 times, multiple streams, within the same week
- Late August, salmon must be present

Composition parameters

Single bears (%)
Maternal females (%)
Coy (%)
Older cubs (%)
Ave COY litter size
Older cub litter size
Bears observed
Average bear count
Bears per hour
surveys



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Unit 9 Moose

Population : 5,500+

Status: Stable at low density

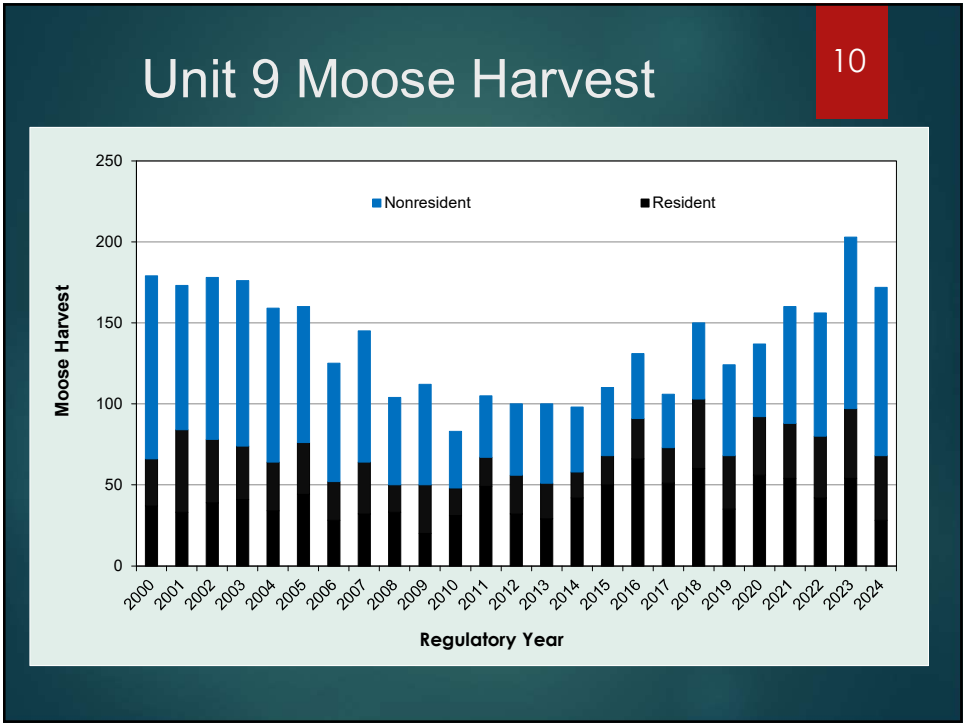
Harvest: 150–200 bulls per year

ANS: 100–140 moose per year

Issues: None

No Proposals





Moose GSPE Unit 9E

2024

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- 1983 Unit 9E population estimate = 1,148 total moose (SE±184)
- Population management objective (combined w/9C) = 3,000–3,700
- 2024 Unit 9E population estimate = 1,994 (SE±197)
- Unit 9E moose harvest:
 - Historic range = 33–107
 - 5-year range = 51–77+

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Caribou Herds Units 9 & 10

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Northern Alaska Peninsula Caribou Herd

Population : >5,100

Status: Increasing

Pop. Objective: 6,000– 15,000; 35 bulls:100 cows

ANS: 1,200–1,900

Issues: None

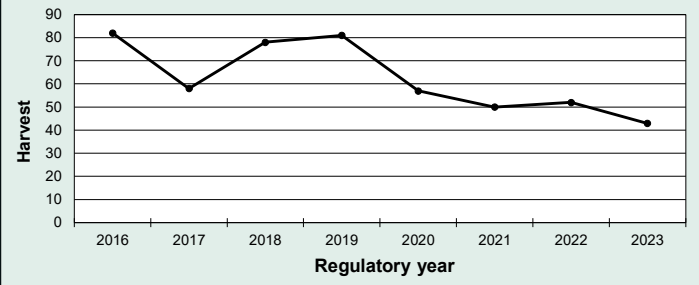


No Proposals

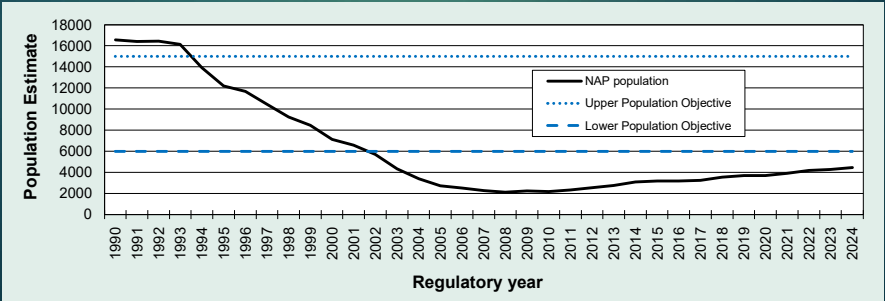
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NAP Caribou Harvest & Population



Regulatory year	Harvest
2016	82
2017	58
2018	78
2019	80
2020	58
2021	50
2022	52
2023	42



Regulatory year	NAP population	Upper Population Objective	Lower Population Objective
1990	16000	15000	6000
1991	15800	15000	6000
1992	15500	15000	6000
1993	15000	15000	6000
1994	14000	15000	6000
1995	12500	15000	6000
1996	11500	15000	6000
1997	10500	15000	6000
1998	9500	15000	6000
1999	8500	15000	6000
2000	7500	15000	6000
2001	6500	15000	6000
2002	5500	15000	6000
2003	4500	15000	6000
2004	3500	15000	6000
2005	2500	15000	6000
2006	2000	15000	6000
2007	1800	15000	6000
2008	1700	15000	6000
2009	1600	15000	6000
2010	1800	15000	6000
2011	2000	15000	6000
2012	2200	15000	6000
2013	2500	15000	6000
2014	2800	15000	6000
2015	3000	15000	6000
2016	3200	15000	6000
2017	3500	15000	6000
2018	3800	15000	6000
2019	4000	15000	6000
2020	4200	15000	6000
2021	4500	15000	6000
2022	4800	15000	6000
2023	5000	15000	6000
2024	5200	15000	6000

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Northern Alaska Peninsula Caribou Herd- Kukaklek Group

Population : 700

Status: Unknown; likely stable to increasing

Pop. Objective: 6,000–15,000; 35 bulls:100 cows

ANS: 1,200–1,900 (NAP)

Issues: Numerous

Kukaklek Area of NAP
Herd Range

No Proposals

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Southern Alaska Peninsula Caribou Herd

Population : ~3,800

Status: Increasing

Pop. Objective: 1,500–4,000, 35 bulls:100 cows

Harvest: 60–90 caribou per year

ANS: 100–150

IM: 2008–2010

Issues: Low harvest level,
unreported harvest

Proposals 5–7

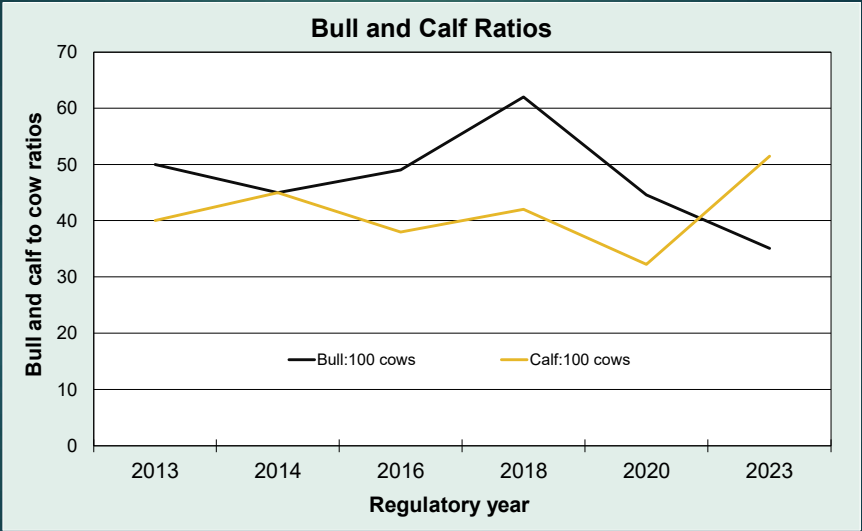
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Southern Alaska Peninsula Caribou Herd

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Unimak Island Caribou Herd

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Population : 550–650
Status: Increasing
Recommended Objectives: 800–1,000 caribou; 35 bulls:100 cows
Harvest: 0–3 federal subsistence
ANS: +C&T, no ANS
Issues: None



No Proposals

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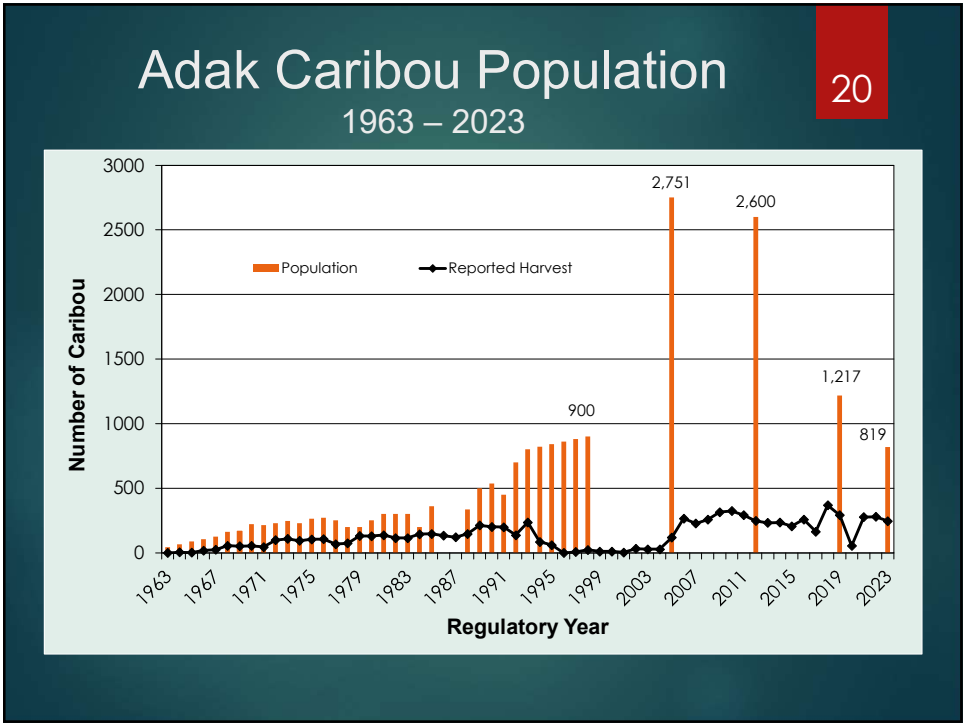
Adak Island Caribou Herd



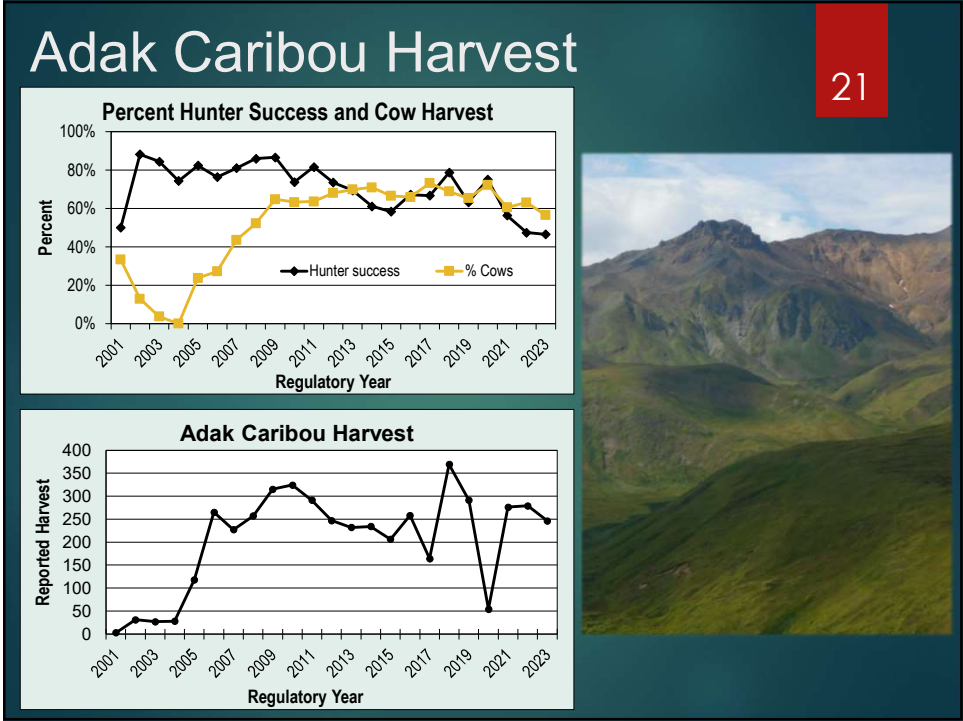
Population :	1,000
Status:	Declining
Pop. objective:	150 (1980 ADFG & USFWS)
Harvest:	250–300 per year
ANS:	None
Issues:	Habitat degradation Movement to Kagalaska Island

No Proposals

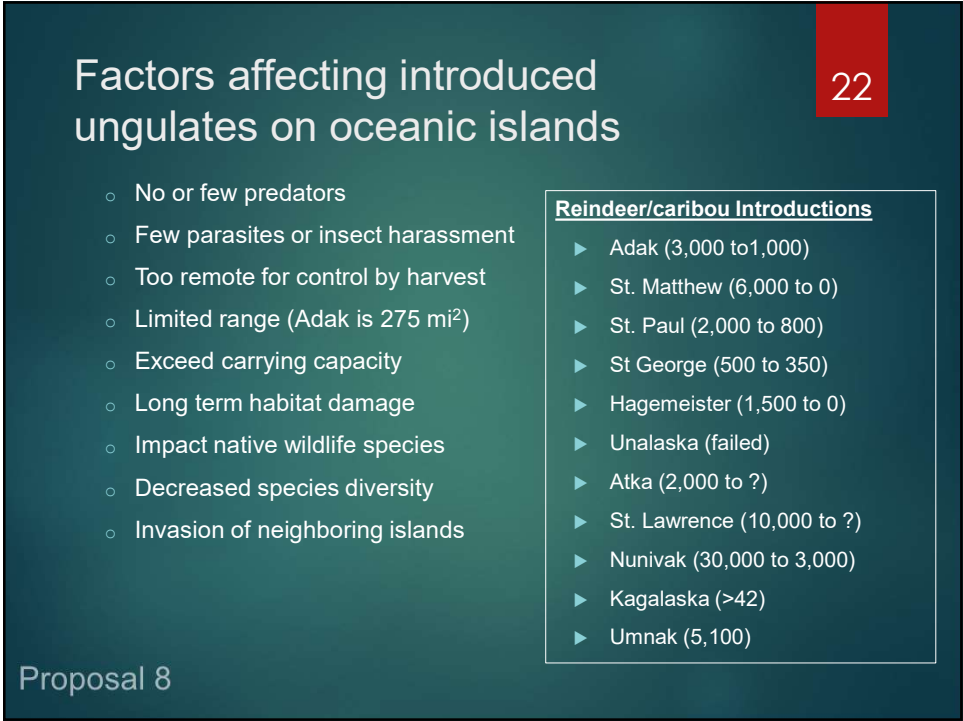
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Unit 9 Wolf

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Density: 5–10 / 1,000 km²
Status: Stable to increasing
Harvest: 25–53 per year
Issues: Declining trappers

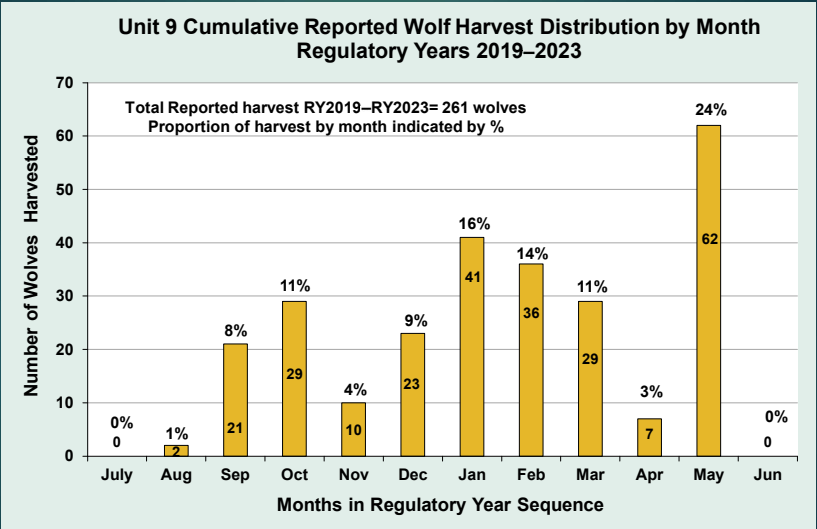


No Proposals

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Unit 9 Wolf harvest

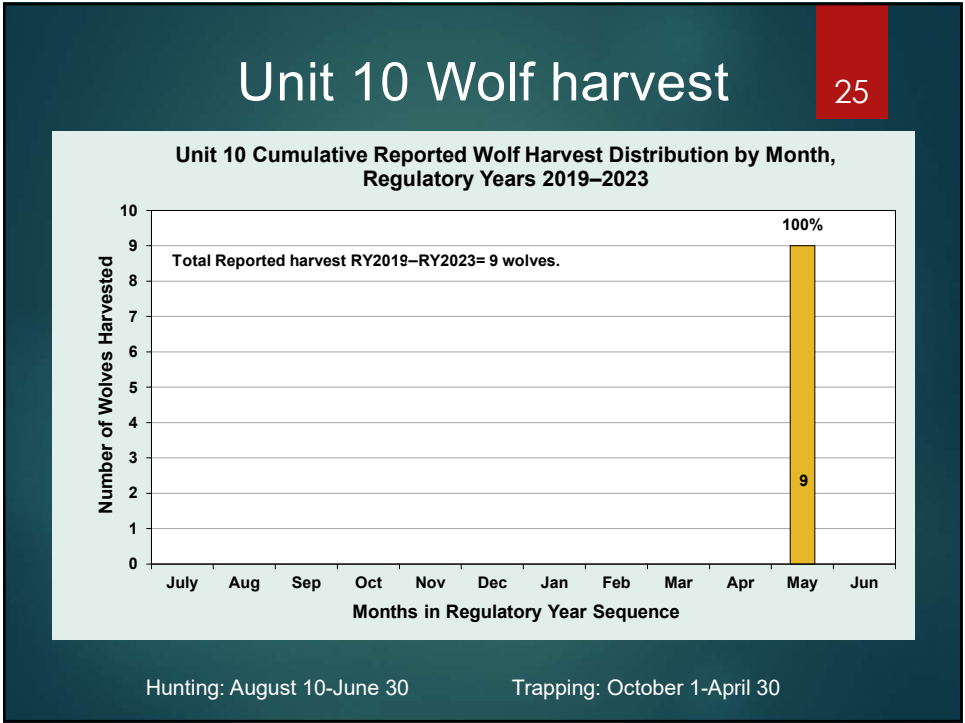
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Hunting: August 10–June 30

Trapping: October 1–April 30

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Furbearers

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Average Annual Harvest (2019–2023)

- 40 Beaver
- 14 Lynx
- 28 Otter
- 17 Wolverine

Proposals 19, 20 (arctic fox), 21 (beaver), 22(wolverine)

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Small Game & Waterfowl

- ▶ Ptarmigan
- ▶ Spruce grouse
- ▶ Snowshoe hare
- ▶ Alaska hare
- ▶ Emperor goose
- ▶ Waterfowl



Proposals 23 (emperor goose), 24 (arctic hare)

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End of Overview

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