

Proposal 200

Moose/Unit 17A

Reauthorize the antlerless moose
season in Unit 17A

Department Proposal

Department Recommendation: **SUPPORT**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

200-1

1



Proposal 200

Moose/Unit 17A

Current Regulations

RM573: Residents Only – One Bull
Season Dates: Aug. 25–Sept. 25

RM571: Antlerless moose. Aug. 25–Sept. 25


RM575: Antlered bull permit - May be Announced

RM576: Antlerless permit - May be Announced
(Up to a 31-day season may be announced Dec. 1– Last day of Feb.)

DM570: Nonresidents Only – 50-inch or 4 brow tines
Season Dates: Sept. 5–Sept. 15 (20 permits issued)

200-2

2



Proposal 200

Moose/Unit 17A

Unit 17A Moose Management Strategy

➤ Moose Management Group (MMG): Bristol Bay Federal Subsistence RAC, Nushagak and Togiak F&G ACs, Togiak NWR, ADF&G, and a commercial hunting guide.

➤ Unit 17A Moose Management Plan (MMP)


- Earliest version 1996-latest revision in January 2013.

➤ BOG recognition of MMG and MMP

- In 2013 revision, the board did not adopt plan but adopted regulations consistent with the plan.
- Board provided findings that directed department's discretionary authority and has upheld these decisions in subsequent meetings.

200-3

3



Proposal 200

Moose/Unit 17A

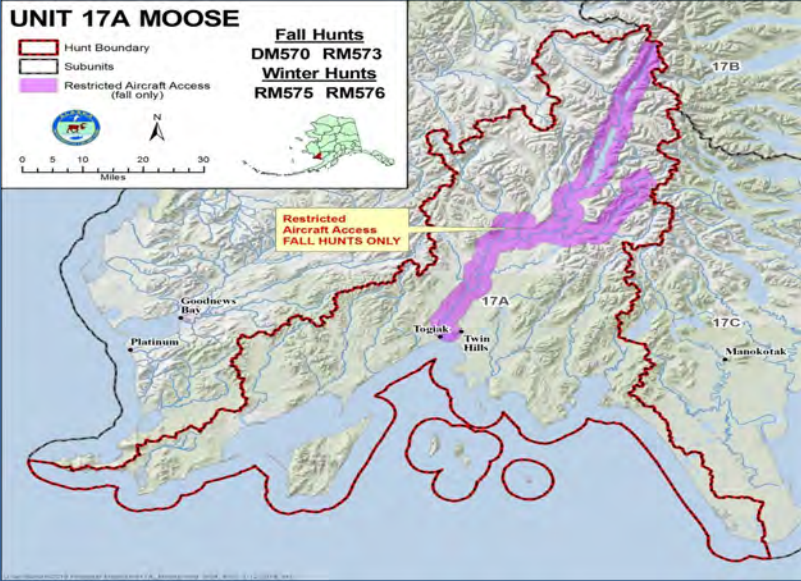
UNIT 17A MOOSE

Hunt Boundary


Subunits


Restricted Aircraft Access (fall only)

Fall Hunts
DM570 RM573
Winter Hunts
RM575 RM576



0 5 10 20 30 Miles






200-4

4

2



Proposal 200

Moose/Unit 17A

Relevant Plan Objectives

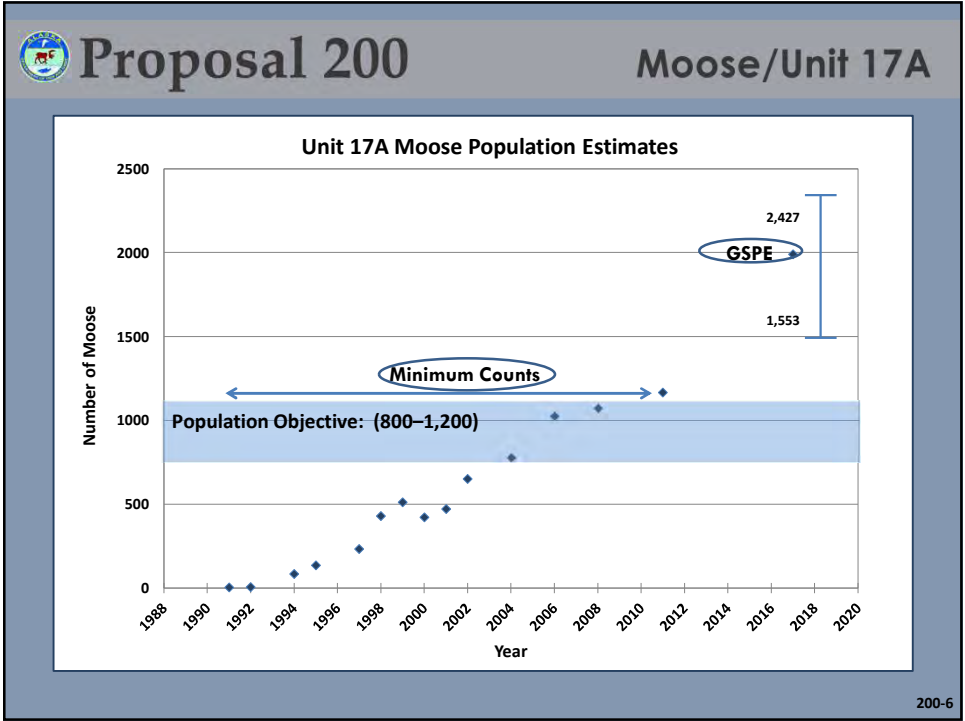
- 17A Population Objectives: 800 –1,200 moose (based on moose habitat studies).

If the 17A moose population is:

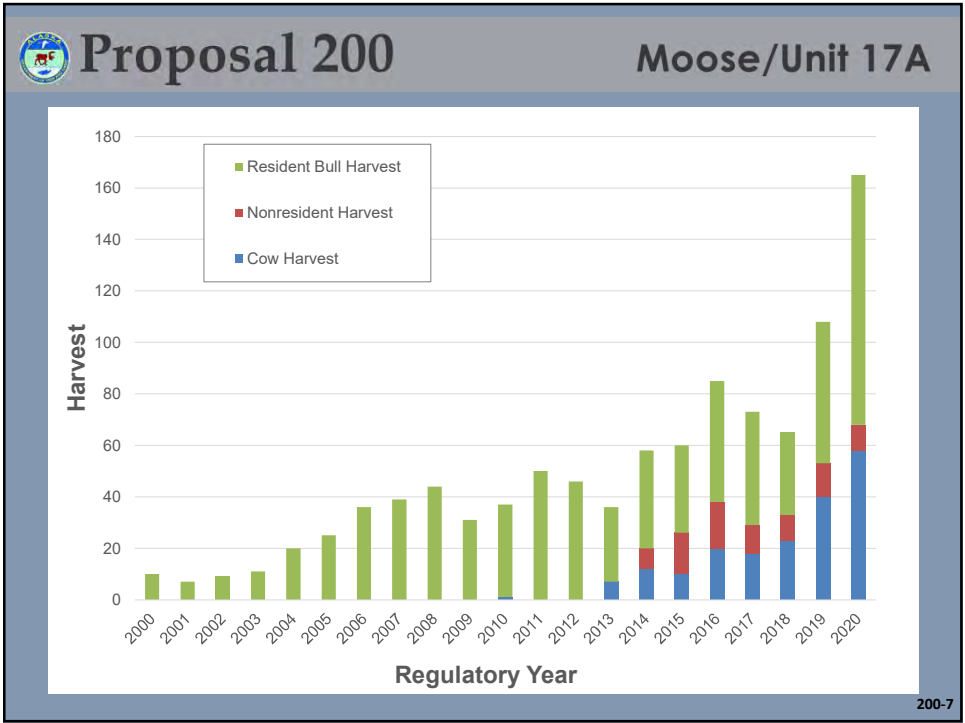
- 600 and is increasing or stable, allow for a limited resident winter antlerless hunt.
- 1,000-1,100: up to 5 nonresident permits.
- 1,100-1,200: up to 10 nonresident permits.
- Exceeds 1,200: resident limit of up to 2 moose. Up to 20 nonresidents permits.

200-5


5



6



7



Proposal 200

Moose/Unit 17A

Annual harvest under winter registration moose permit RM575, Unit 17A, RY2015–2020


Reg. Year	Successful Hunters	Unsuccessful Hunters	Male	Female	Unk. Sex	Total Permits	Total Harvest
2015	7	24	7	0	0	57	7
2016	7	26	7	0	0	58	7
2017	7	36	7	0	0	62	7
2018	8	33	8	0	0	78	8
2019	5	48	5	0	0	86	5
2020	30	62	30	0	0	160	30

Annual harvest under winter registration moose permit RM576, Unit 17A, RY2015–2020

Reg. Year	Successful Hunters	Unsuccessful Hunters	Male	Female	Unk. Sex	Total Permits	Total Harvest
2015	11	21	1	10	0	46	11
2016	22	26	2	20	0	75	22
2017	21	26	3	18	0	76	21
2018	15	26	0	15	0	87	15
2019	42	27	7	35	0	101	42
2020	74	53	20	53	1	171	74

200-8

8



Proposal 200

Moose/Unit 17A

Considerations

➤ Abundance exceeds objectives.


➤ Management plan recommends antlerless harvest under current population parameters.

➤ Antlerless hunt is an important management tool in lowering moose density.

➤ Antlerless hunt provides harvest opportunity for surplus moose.

200-9

9



Proposal 200

Moose/Unit 17A

Reauthorize the antlerless moose season in Unit 17A

Department Proposal


Department Recommendation: **SUPPORT**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

200-10

10



Proposal 13

Moose/Unit 17A

Increase nonresident draw permits and extend season by 10 days in Unit 17A

Department Proposal

Department Recommendation: **SUPPORT**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

13-1

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Proposal 13

Moose/Unit 17A

Current Regulations

RM573: Residents Only - One Bull
Season Dates: Aug. 25–Sept. 25

RM571: Antlerless moose. *Aug. 25–Sept. 25*


RM575: Antlered bull permit - *May be Announced*

RM576: Antlerless permit - *May be Announced*
(Up to a 31-day season may be announced Dec. 1–Last day of Feb.)

DM570: Nonresidents Only – 50-inch or ≥ 4 brow tines
Season Dates: Sept. 5–Sept. 15 (20 permits issued)

13-2

12



Proposal 13

Moose/Unit 17A

Proposed Regulations

Resident:


No Change

Nonresident:

DM570: Nonresidents Only – 50-inch or 4 brow tines
Season Dates: **Sept. 5–Sept. 25 (up to 100 permits)**

13-3


13





Proposal 13


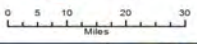

Moose/Unit 17A

UNIT 17A MOOSE

 Hunt Boundary

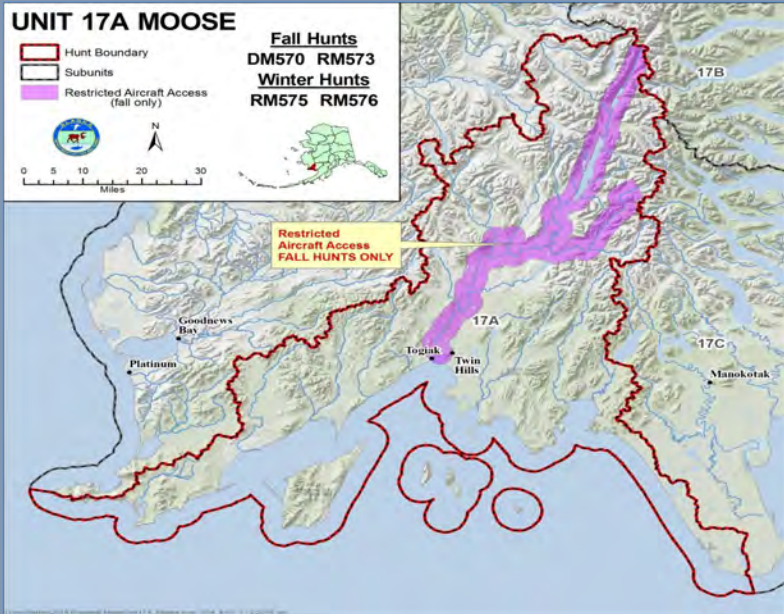
 Subunits

 Restricted Aircraft Access (fall only)




Fall Hunts
DM570 RM573

Winter Hunts
RM575 RM576



13-4

14



Proposal 13

Moose/Unit 17A

Unit 17A Moose Management Strategy

➤ **Moose Management Group (MMG):** Bristol Bay Federal Subsistence RAC, Nushagak and Togiak F&G AC's, Togiak NWR, ADF&G, and a commercial hunting guide.

➤ **Unit 17A Moose Management Plan (MMP)**


- Earliest version 1996-latest revision in January 2013.

➤ **BOG recognition of MMG and MMP**

- In 2013 revision, the board did not adopt plan but adopted regulations consistent with the plan.
- Board provided findings that directed department's discretionary authority and has upheld these decisions in subsequent meetings.

13-5

15



Proposal 13

Moose/Unit 17A

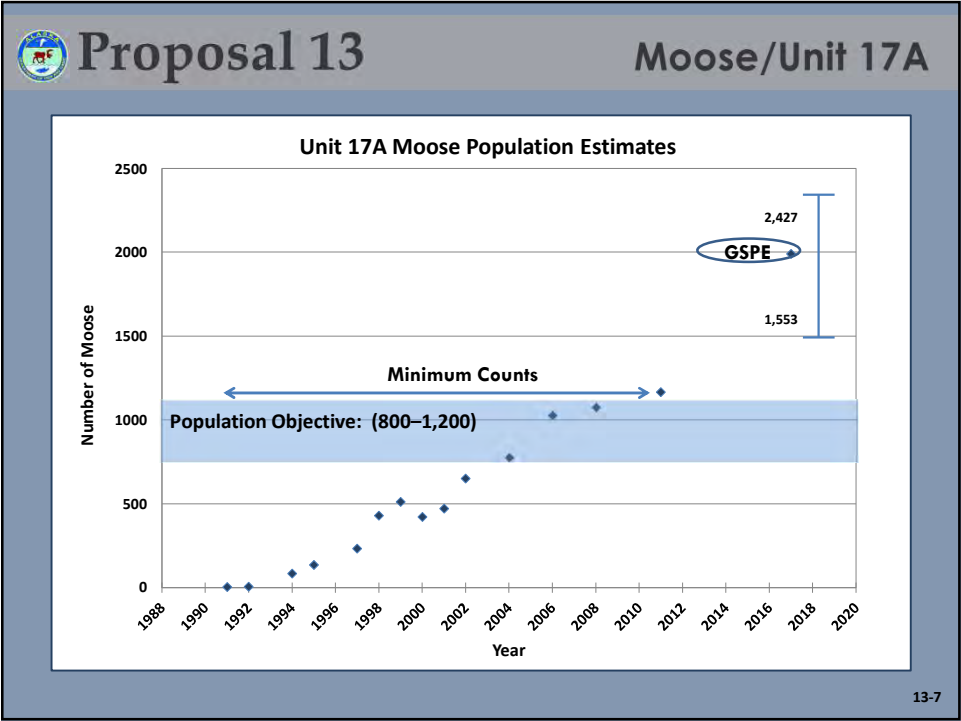
Moose Management Group Plan

If the 17A moose population is:


- 1,000 and is decreasing: No nonresident hunt.
- 1,000 and is increasing or stable: limited nonresident fall hunt.
- 1,000-1,100: up to 5 nonresident permits.
- 1,100-1,200: up to 10 nonresident permits.
- Exceeds 1,200: up to 20 permits.

13-6

16



17



Proposal 13

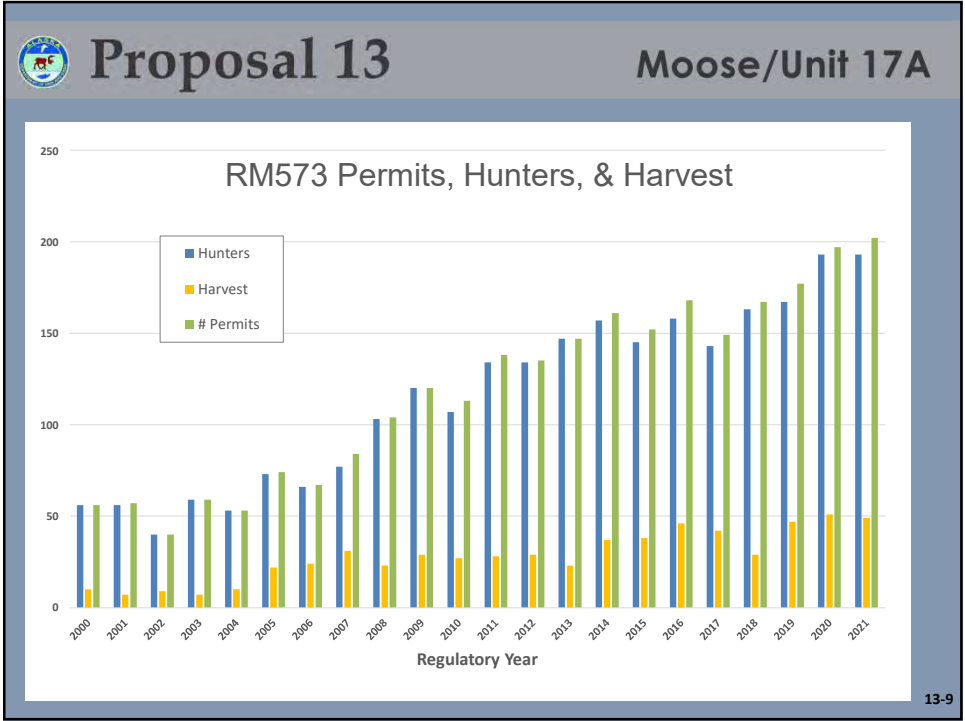
Moose/Unit 17A

Composition and Recruitment

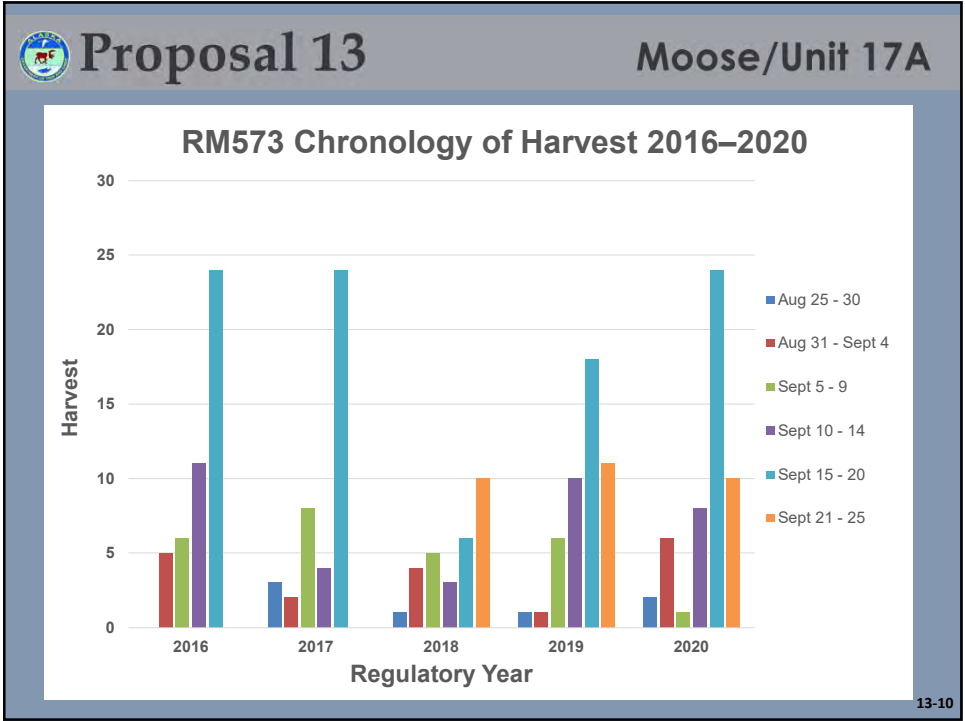
- **Fall 2016 GSPE** survey composition: 64 bulls, 31 calves:100 cows, (n=259 moose).
- **Fall 2017 GSPE** survey composition: 77 bulls, 25 calves:100 cows, (n=403 moose).
- Surveys were conducted without snow, SCF using collared moose was 1.38 in 2016 and 1.40 in 2017.
- Bull composition is likely biased high due to higher sightability of bull moose with antlers.

13-8

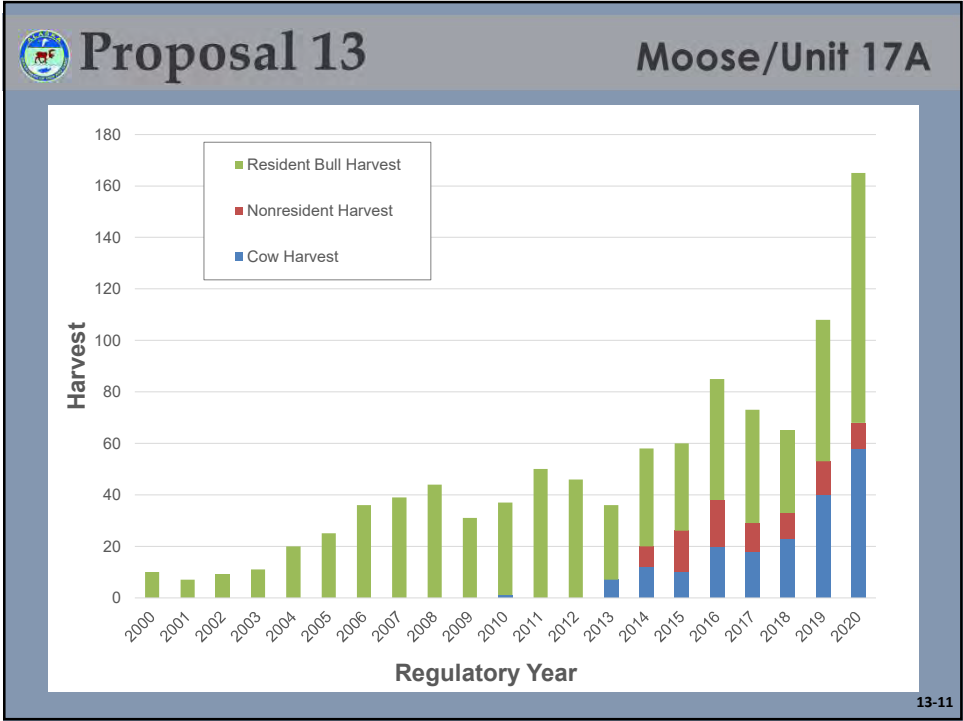
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19



20






Proposal 13

Moose/Unit 17A

Summary

- Abundance exceeds objectives.
- The management plan is not specific regarding actions when the population is above 1,200.
- Composition surveys indicate Bull:100 cow ratios are high enough to allow for some additional harvest.
- Harvest chronology suggests bull moose harvest could increase under proposed season.

13-12



Proposal 13

Moose/Unit 17A

Increase nonresident draw permits and extend season by 10 days in Unit 17A

Department Proposal

Department Recommendation: **SUPPORT**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

13-13

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Proposal 14

Moose/Unit 17A

Establish fixed-season dates for RM575 & RM576 in Unit 17A

Department Proposal

Department recommendation: **Support**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

14-1

24



Proposal 14

Moose/Unit 17A

Current Regulations

RM573: Residents Only - Any Bull
Season Dates: Aug. 25–Sept. 25

RM571: Antlerless moose. *Aug. 25–Sept. 25*


RM575: Antlered bull permit - May be Announced

RM576: Antlerless permit - May be Announced
(Up to a 31-day season may be announced Dec. 1– Last day in Feb.)

DM570: Nonresidents Only – 50-inch antlers or ≥4 brow tines
Season Dates: Sept. 5–Sept. 15 (20 permits issued)

14-2

25



Proposal 14

Moose/Unit 17A

Proposed Regulations

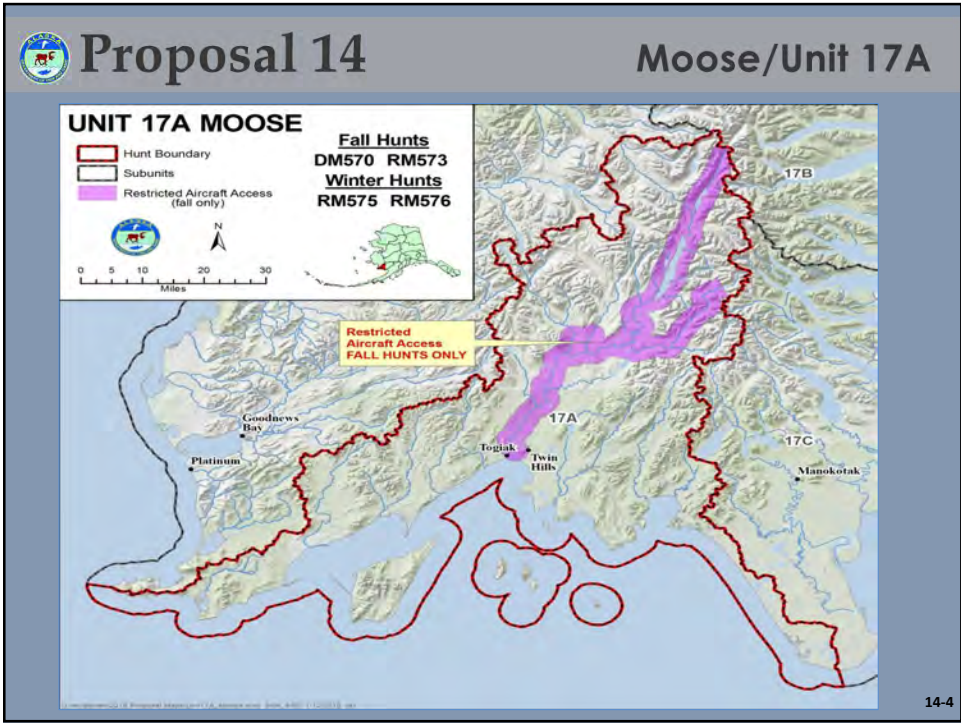
Residents Only - 2 moose

RM575: Antlered bull permit - Jan. 1–Last day of Feb.

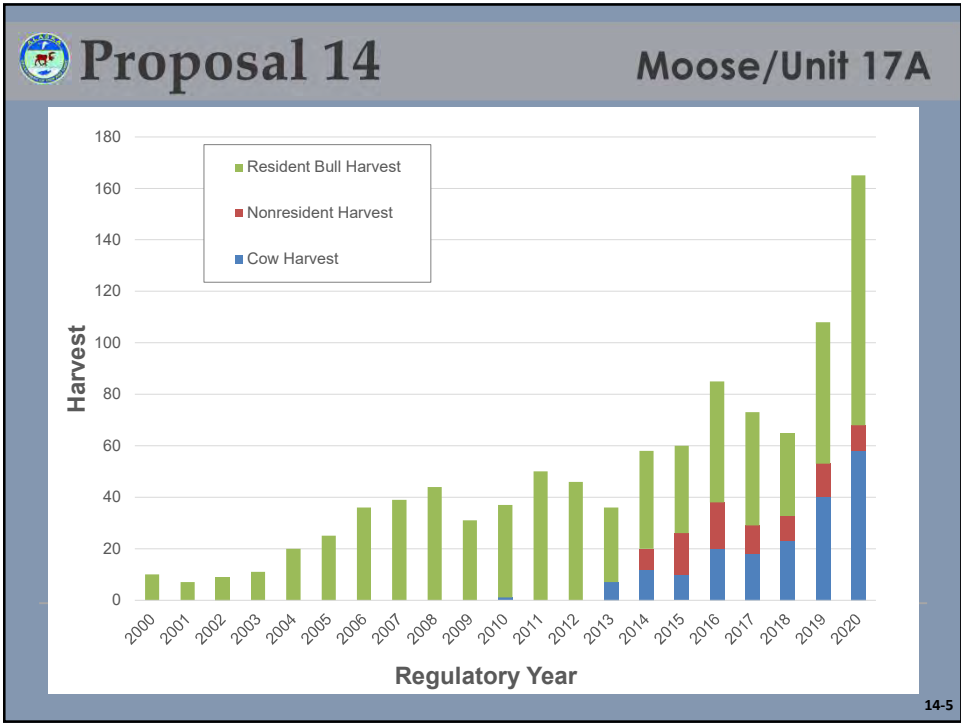
RM576: Antlerless moose permit - Jan. 1–Last day of Feb.

14-3


26



27



28



Proposal 14

Moose/Unit 17A


Annual harvest under winter registration moose permit RM575, Unit 17A, RY2015–2020

Reg. Year	Successful Hunters	Unsuccessful Hunters	Male	Female	Unk. Sex	Total Permits	Total Harvest
2015	7	24	7	0	0	57	7
2016	7	26	7	0	0	58	7
2017	7	36	7	0	0	62	7
2018	8	33	8	0	0	78	8
2019	5	48	5	0	0	86	5
2020	30	62	30	0	0	160	30

Annual harvest under winter registration moose permit RM576, Unit 17A, RY2015–2020

Reg. Year	Successful Hunters	Unsuccessful Hunters	Male	Female	Unk. Sex	Total Permits	Total Harvest
2015	11	21	1	10	0	46	11
2016	22	26	2	20	0	75	22
2017	21	26	3	18	0	76	21
2018	15	26	0	15	0	87	15
2019	42	27	7	35	0	101	42
2020	74	53	20	53	1	171	74

14-6



Proposal 14

Moose/Unit 17A

Considerations

➤ Abundance exceeds objectives.

➤ This action would be consistent with the management plan.

➤ Allows hunters flexibility to engage in hunting activities as soon as conditions are appropriate, for longer periods of time.

➤ Some bulls will be harvested in the antlerless hunt.

➤ Extends the season by 28 days.

14-7



Proposal 14

Moose/Unit 17A

Establish fixed-season dates for RM575 & RM576 in Unit 17A

Department Proposal


Department recommendation: **Support**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

14-8

31



Proposal 15

Moose/Unit 17B

Establish a registration bull moose archery hunt for resident certified bowhunters in Unit 17B

Public Proposal

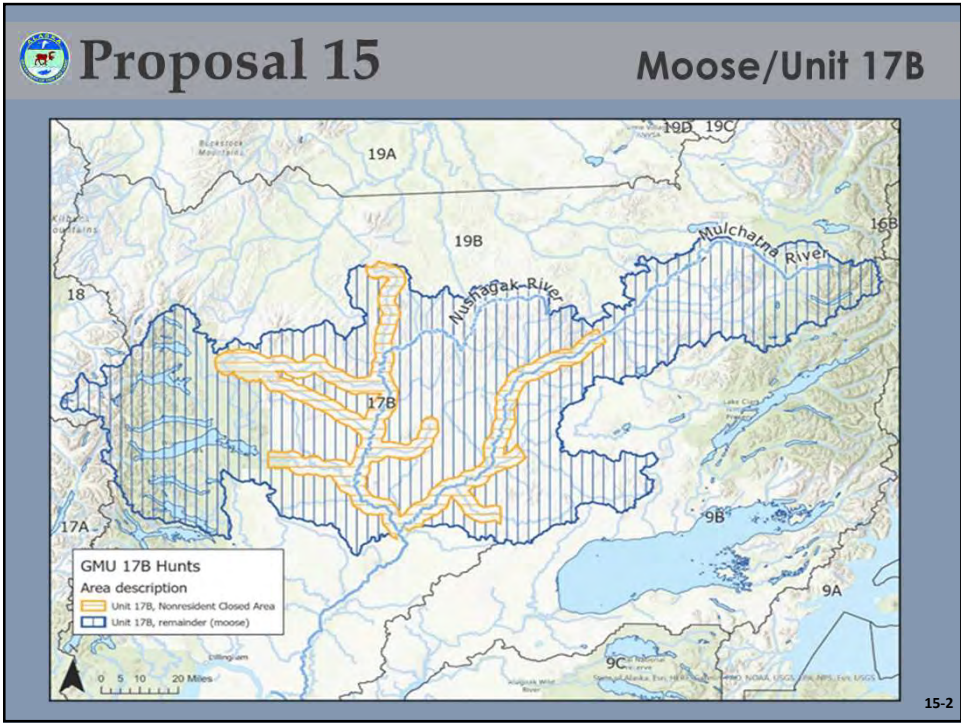
Department recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

15-1

32



33



Proposal 15

Moose/Unit 17B

Current Regulations

17B Resident Hunting Seasons

General Season: One bull SF/50/3 brow tines; Sept. 1–Sept. 15

RM583: One bull - Season Dates: Aug. 20–Sept. 15

RM585: One antlered bull permit - Season Dates: May be Announced
(Dec. 1–Dec. 31)


17B Nonresident Hunting Seasons

RM587 (within river corridor): One bull 50-inch or ≥ 4 brow tines; Sept. 5–15

General Season (remainder): One bull 50-inch or ≥ 4 brow tines; Sept. 5–15

15-3

34



Proposal 15

Moose/Unit 17B

Proposed Regulations

17B Resident Hunting Seasons


General Season: One bull with SF/50/3 brow tines - *Season Dates: Sept. 1–15*

RM583: One bull - *Season Dates: Aug. 20–Sept. 15*

RM585: One antlered bull permit - *Season Dates: May be Announced (Dec. 1–31)*

RMXXX: One bull, by bow and arrow only. Season Dates: Sept. 16–Sept. 25

15-4




Proposal 15

Moose/Unit 17B

Survey Area	Regulatory year	Population Estimate	Moose/mi²	Minimum % Calves
17B-West ^a	RY00	1,202 (+ 141)	0.22	5
	RY05	1,210 (+ 120)	0.22	13
	RY09	1,137 (+ 159)	0.21	8
	RY17	1,497 (+ 186)	0.38	16
17B-East ^b	RY01	1,953 (+ 254)	0.46	4
	RY08 ^c	1,466 (+ 424)	0.37	8

15-5



Proposal 15


Moose/Unit 17B

Unit 17B resident moose harvest
RY2015–2020.

Regulatory Year	Reported Hunting	Successful Harvest	Method of Take			Success Rate
			Rifle	Bow	Unknown	
2015	129	43	39	0	4	33%
2016	160	55	52	0	3	34%
2017	158	40	39	0	1	25%
2018	164	40	40	0	0	24%
2019	159	50	49	1	0	31%
2020	176	66	66	0	0	38%

15-6

37



Proposal 15

Moose/Unit 17B

Establish a registration bull moose archery
hunt for resident certified bowhunters in Unit
17B

Public Proposal


Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

15-7

38



Proposal 16

Moose/Unit 17B

Establish a registration bull moose archery hunt for nonresident certified bow hunters in Unit 17B Remainder

Public Proposal

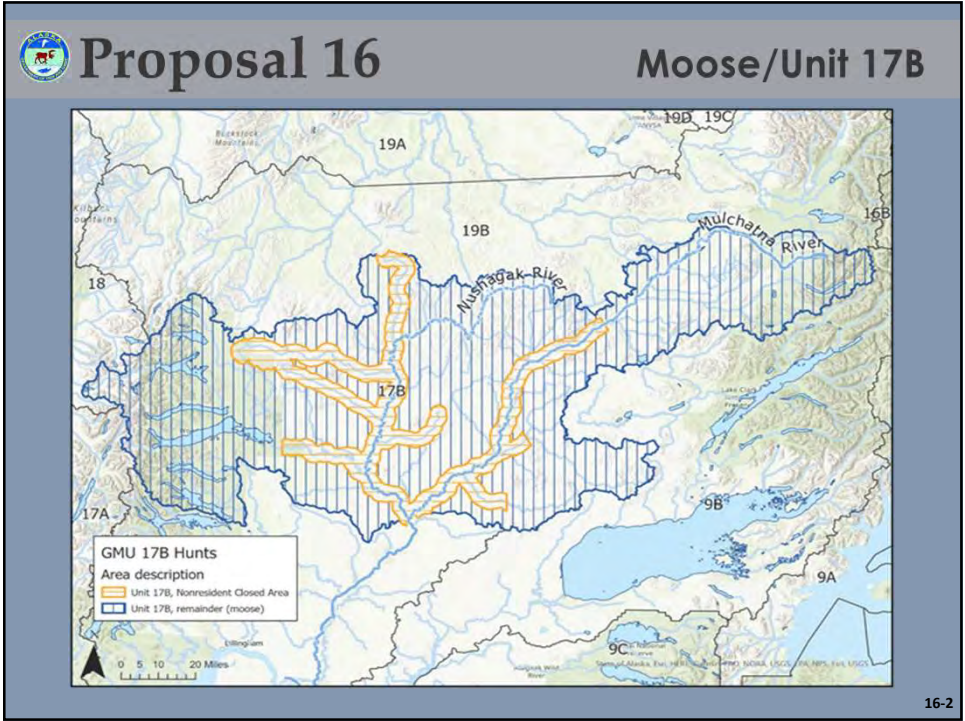
Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

16-1

39



40



Proposal 16

Moose/Unit 17B

Current Regulations

17B Resident Hunting Seasons

General Season: One bull SF/50/3 brow tines; *Sept. 1–Sept. 15*

RM583: One bull - *Season Dates: Aug. 20–Sept. 15*

RM585: One antlered bull permit - *Season Dates: May be Announced*
(Dec. 1–Dec. 31)


17B Nonresident Hunting Seasons

RM587 (within river corridor): One bull 50-inch or ≥ 4 brow tines; *Sept. 5–15*

General Season (remainder): One bull 50-inch or ≥ 4 brow tines; *Sept. 5–15*

16-3

41



Proposal 16

Moose/Unit 17B

Proposed Nonresident Hunting Seasons

Unit 17B (within river corridor) – **No change**

RM587: One bull 50-inch antlers or ≥ 4 brow tines; *Sept. 5–Sept. 15*


17B-Remainder

General Season (remainder): One bull 50-inch or ≥ 4 4 brow tines; *Sept. 5–15*

RMXXX: One bull 50-inch antlers or 4 brow tines, by bow and arrow only.
Season Dates: Sept. 16–Sept. 25. Hunter orientation required.

16-4

42



Proposal 16


Moose/Unit 17B

Unit 17B moose population estimates, regulatory years 2000–2017.

Survey Area	Regulatory year	Population Estimate	Moose/mi ²	Minimum % Calves
17B-West ^a	RY00	1,202 (+ 141)	0.22	5
	RY05	1,210 (+ 120)	0.22	13
	RY09	1,137 (+ 159)	0.21	8
	RY17	1,497 (+ 186)	0.38	16
17B-East ^b	RY01	1,953 (+ 254)	0.46	4
	RY08 ^c	1,466 (+ 424)	0.37	8

16-5

43



Proposal 16


Moose/Unit 17B

Unit 17B remainder nonresident moose harvest RY2015–2019.

Regulatory Year	Reported Hunting	Successful Harvest	Method of Take			Success Rate
			Rifle	Bow	Unknown	
2015	29	8	8	0	0	28%
2016	40	19	19	0	0	48%
2017	56	20	20	0	0	36%
2018	74	31	31	0	0	42%
2019	64	30	29	1	0	47%
2020	71	34	34	0	0	48%

16-6

44



Proposal 16

Moose/Unit 17B

Establish a registration bull moose archery hunt for nonresident certified bow hunters in Unit 17B Remainder

Public Proposal


Department recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

16-7

45



Proposal 17

Moose/Unit 17B

Establish a registration bull moose archery hunt for certified bow hunters in Unit 17B

Public Proposal

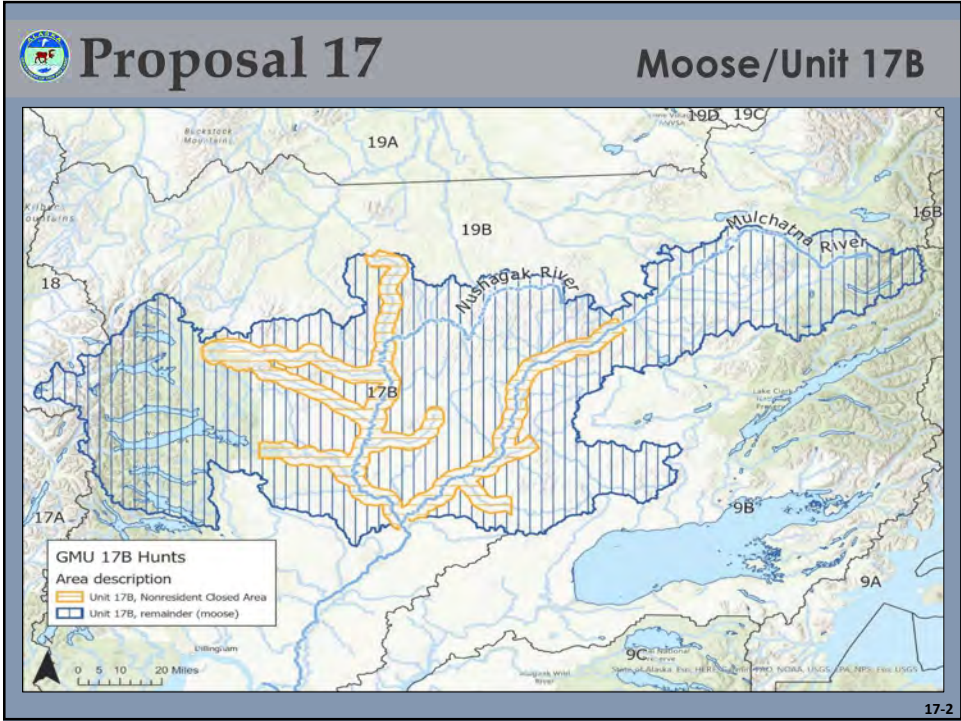
Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:


Lake Iliamna AC:
Naknek/Kvichak AC:

17-1

46



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Proposal 17

Moose/Unit 17B

Current Regulations

17B Resident Hunting Seasons

General Season: One bull SF/50/3 brow tines; Sept. 1–Sept. 15

RM583: One bull - Season Dates: Aug. 20–Sept. 15

RM585: One antlered bull permit - Season Dates: May be Announced
(Dec. 1–Dec. 31)


17B Nonresident Hunting Seasons

RM587 (within river corridor): One bull 50-inch antlers / \geq 4 brow tines; Sept. 5–15

General Season (remainder): One bull 50-inch antlers / \geq 4 brow tines; Sept. 5–15

17-3

48



Proposal 17

Moose/Unit 17B

Proposed Unit 17B Hunting Seasons

RESIDENT
General Season: One bull SF/50/3 brow tines; *Sept. 1–Sept. 15*

RM583: One bull; *Aug. 20–Sept. 15*

RM585: One antlered bull permit; *May be Announced (Dec. 1–Dec. 31)*


RMXXX: One Bull, by bow and arrow only; Sept.16–Sept.25

NONRESIDENT
RM587: (within the river corridor) One bull 50-inch antlers ≥ 4 brow tines
Season Date: Sept. 5–Sept. 15

General Season: (remainder) One bull 50-inch antler or ≥ 4 brow tines
Season Date: Sept. 5–Sept. 15

RMXXX: (all of Unit 17B) One Bull 50-inch antlers / > 4 brow tines, by bow and arrow only; Sept.16–Sept.25

17-4




Proposal 17

Moose/Unit 17B

Unit 17B moose population estimates, regulatory years 2000–2017.

Survey Area	Regulatory Year	Population Estimate	Moose/mi ²	Minimum % Calves
17B-West ^a	RY00	1,202 (+ 141)	0.22	5
	RY05	1,210 (+ 120)	0.22	13
	RY09	1,137 (+ 159)	0.21	8
	RY17	1,497 (+ 186)	0.38	16
17B-East ^b	RY01	1,953 (+ 254)	0.46	4
	RY08 ^c	1,466 (+ 424)	0.37	8

17-5



Proposal 17


Moose/Unit 17B

Unit 17B resident moose harvest
RY2015–2020.

Regulatory Year	Reported Hunting	Successful Harvest	Method of Take			Success Rate
			Rifle	Bow	Unknown	
2015	129	43	39	0	4	33%
2016	160	55	52	0	3	34%
2017	158	40	39	0	1	25%
2018	164	40	40	0	0	24%
2019	159	50	49	1	0	31%
2020	176	66	66	0	0	38%

17-6

51



Proposal 17


Moose/Unit 17B

Unit 17B nonresident moose harvest RY2015–2020.

Regulatory Year	Reported Hunting	Successful Harvest	Method of Take			Success Rate
			Rifle	Bow	Unknown	
2015	52	13	13	0	0	25%
2016	66	32	31	1	0	48%
2017	81	34	34	0	0	43%
2018	107	41	41	0	0	38%
2019	94	44	43	1	0	46%
2020	99	48	47	7	0	48%

17-7

52



Proposal 17

Moose/Unit 17B

Establish a registration bull moose archery hunt for certified bow hunters in Unit 17B

Public Proposal


Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

17-8

53



Proposal 18

Moose/Unit 17B&C

Extend the resident winter moose season (RM585) in Units 17B&C

Public Proposal

Department Recommendation: **Oppose**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

18-1

54



Proposal 18

Moose/Unit 17B

Current Regulations

17B&C Resident Hunting Seasons

General Season: One bull SF/50/3 brow tines; *Sept. 1–Sept. 15*

RM583: One bull - *Season Dates: Aug. 20–Sept. 15*

RM585: One antlered bull permit - *Season Dates: May be Announced (Dec. 1–Dec. 31)*


17B Nonresident Hunting Seasons

RM587 (within river corridor): One bull 50-inch antler or ≥ 4 brow tines ; *Sept. 5–15*

General Season (remainder): One bull 50-inch antler or ≥ 4 brow tines ; *Sept. 5–15*

18-2

55



Proposal 18

Moose/Unit 17B

Proposed Regulations

17B&C Resident Hunting Seasons

General Season: One bull SF/50/3 brow tines; *Sept. 1–Sept. 15*

RM583: One bull - *Season Dates: Aug. 20–Sept. 15*

RM585: One antlered bull – Season dates: **Dec. 1–Jan. 31**


17B Nonresident Hunting Seasons

RM587 (within river corridor): One bull 50-inch antlers/ ≥ 4 brow tines; *Sept. 5–15*

General Season (remainder): One bull 50/ ≥ 4 brow tines; *Sept. 5–15*

18-3

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Proposal 18


Moose/Unit 17B&C

Moose population estimates for 17B&C

Survey Area	Regulatory Year	Population Estimate	Moose/mi ²
17B-West ^a	2000	1,202 (<u>±</u> 141)	0.22
	2005	1,210 (<u>±</u> 120)	0.22
	2009	1,137 (<u>±</u> 159)	0.21
	2017	1,497 (<u>±</u> 186)	0.38
17B-East ^b	2001	1,953 (<u>±</u> 254)	0.46
	2008 ^c	1,466 (<u>±</u> 424)	0.37
17C	2003	3,670 (<u>±</u> 542)	0.67
	2007	3,235 (<u>±</u> 354)	0.59
	2013	4,642 (<u>±</u> 1,314)	0.85
	2017	3,438 (<u>±</u> 1,523)	0.65
	2019	2,758 (<u>±</u> 400)	0.53

18-4

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Proposal 18


Moose/Unit 17B&C

Chronology of RM585 moose harvest in December Units 17B&17C, regulatory years 2105–2019.

Reg. Year	Week 1	Week 2	Week 3	Week 4
2015	13.9%	19.4%	30.6%	36.1%
2016	16.7%	8.3%	33.3%	41.7%
2017	15.8%	52.6%	31.6%	–
2018	25.0%	32.1%	21.4%	21.4%
2019	23.5%	5.9%	17.6%	52.9%
2020	closed	–	–	–

18-5

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Proposal 18

Moose/Unit 17B&C

Registration moose permit RM585 issuance and hunter success, regulatory years 2015–2019.

Regulatory Year	Total Permits	Reported	Male Killed	Hunted	Did Not Hunt	Hunter Success
2015	337	328	41	215	113	19.1%
2016	281	278	26	169	109	15.4%
2017	276	264	21	143	121	14.7%
2018	306	299	28	176	123	15.9%
2019	228	222	17	123	99	13.8%
2020	closed	–	–	–	–	–

18-6



Proposal 18

Moose/Unit 17B&C

Extend the resident winter moose season (RM585) in Units 17B&C


Public Proposal

Department recommendation: Oppose

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

18-7



Proposal 20

Mulchatna Caribou

Establish a Tier II subsistence hunting season and bag limit for the Mulchatna Caribou herd

Department Proposal


Department Recommendation: **Defer**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

20-1

61



Proposal 20

Mulchatna Caribou

MANAGEMENT OBJECTIVES

Population: 30,000–80,000

Harvest: 2,400–8,000

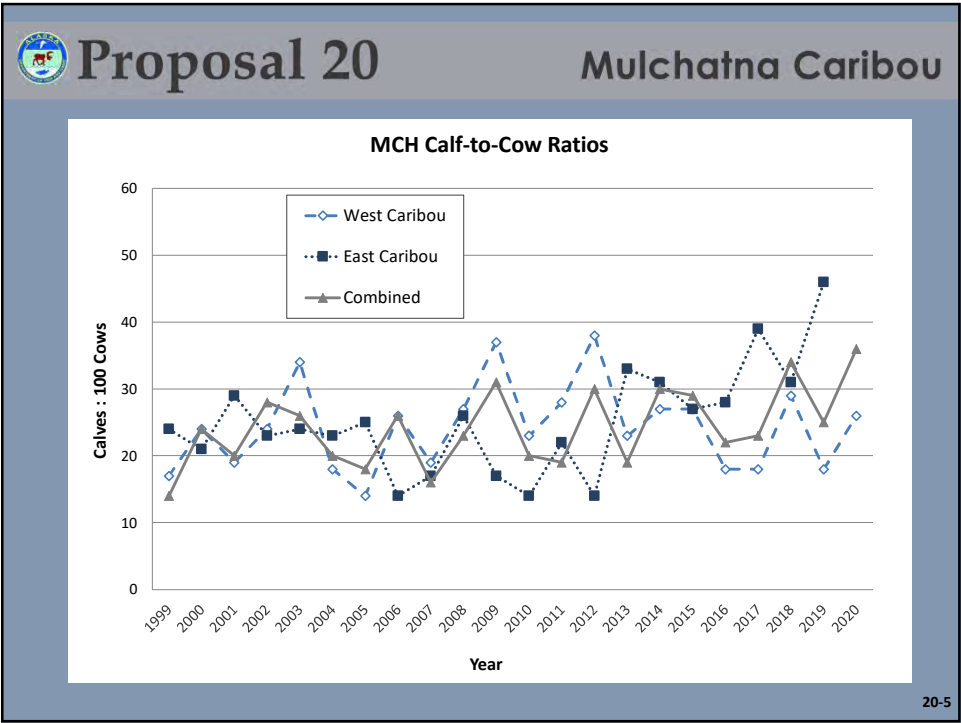
Bull-to-Cow: 35:100


Calf-to-Cow: 30:100

Amount Necessary for Subsistence (ANS): 2,100–2,400

20-2

62






Proposal 20

Mulchatna Caribou

Considerations

- Active intensive management program is in place to increase calf survival and recruitment for herd recovery.
 - Predation control area was expanded to better address calving and post calving survival in specific areas.
- Abundance, harvest, and composition ratios are below IM objectives.
- Reported harvest and available harvest are well below ANS.
- Historically, high number of hunters from outside the hunt area will demonstrate a long use reliance of MCH when population and bag limit was up

20-6



Proposal 20

Mulchatna Caribou

Establish a Tier II subsistence hunting season and bag limit for the Mulchatna Caribou herd

Department Proposal


Department Recommendation: **Defer**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

20-7

67



Proposal 21

Mulchatna Caribou

Establish a second predation control area for Mulchatna caribou on federal lands in Unit 18

Department Proposal


Department recommendation: **Support**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

21-1

68



Proposal 21

Mulchatna Caribou

Management Objectives

Population: 30,000–80,000

Harvest: 2,400–8,000

Bull-to-Cow: 35:100

Calf-to-Cow: 30:100

Wolf Population Objective:

Annually reduce the number of wolves to a level that results in increased calf survival & recruitment

Amount Necessary for Subsistence (ANS): 2,100 –2,400

21-2

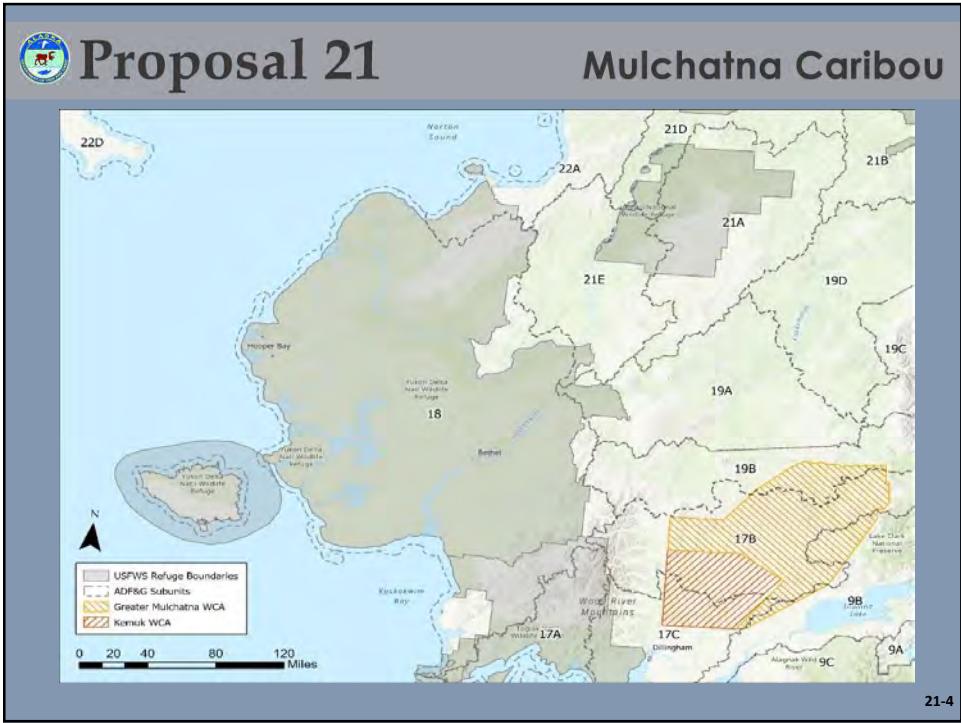


Proposal 21


Mulchatna Caribou



21-3



71



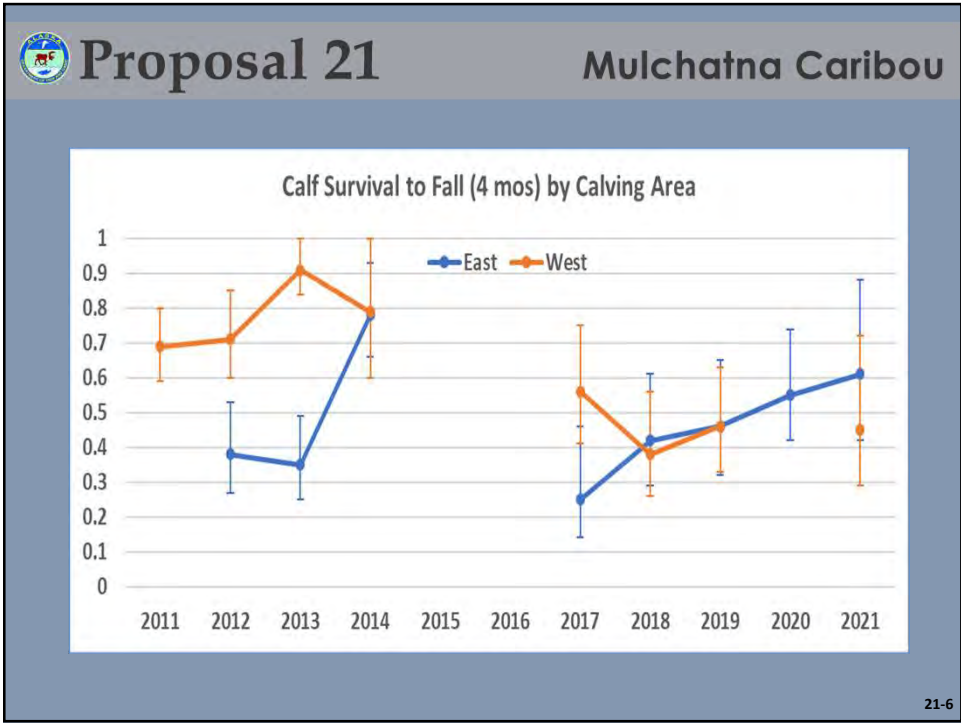
Proposal 21

Mulchatna Caribou


Period ^a	Regulatory Year	Non-SDA Harvest removal from WCAs		SDA Public control removal from WCAs	Total Removal ^b from WCAs	Total Removal in Units 17B&C, and Western 9B	Min. Spring Abundance (variation) WCAs
		Trap	Hunt				
Year 1	2011	14	52	11	77	102	14
Year 2	2012	17	0	0	17	35	—
Year 3	2013	0	10	0	10	26	—
Year 4	2014	0	0	0	0	6	—
Year 5	2015	19	2	0	21	27	—
Year 6	2016	26	28	3	57	67	—
Year 7	2017 ^c	30	10	30	70	86	—
Year 8	2018	12	0	11	23	29	—
Year 9	2019	16	14	28	58	78	—
Year 10	2020	11	13	28	52	104	—

21-5

72



73



Proposal 21

Mulchatna Caribou

Establish a second predation control area for
Mulchatna caribou on federal lands
in Unit 18

Department Proposal


Department recommendation: **Support**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

21-7

74



Proposal 19

Mulchatna Caribou

Establish new population and harvest objectives for the Mulchatna Caribou herd in Units 9, 17, 18 & 19

USFWS Proposal


Department Recommendation: **Take No Action**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

19-1

75



Proposal 19

Mulchatna Caribou

MANAGEMENT OBJECTIVES

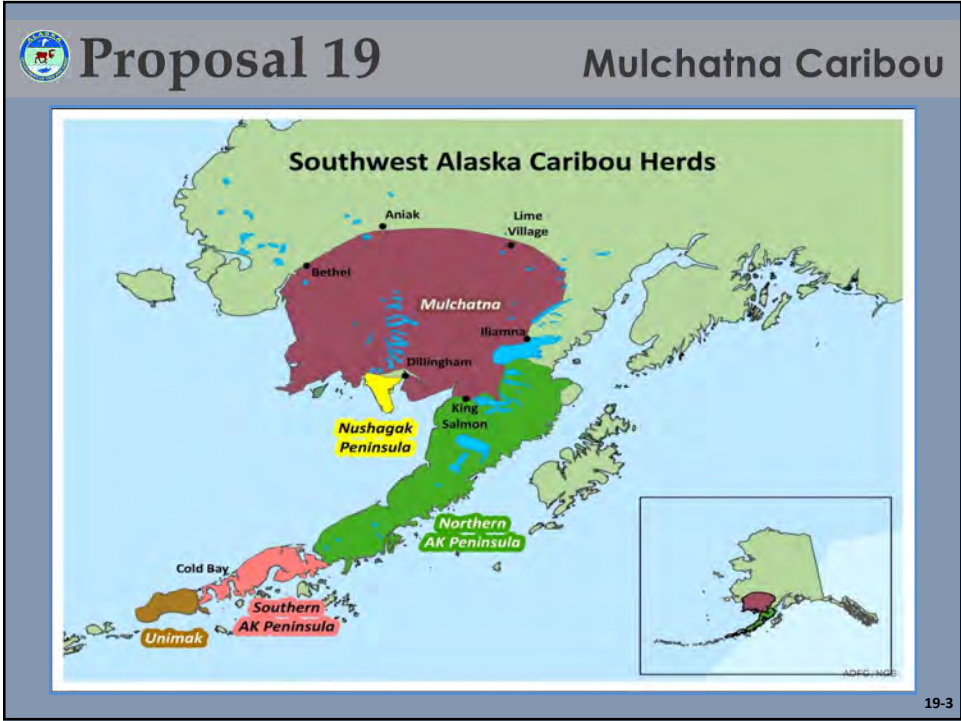
Population: 30,000–80,000
Harvest: 2,400–8,000

Bull-to-Cow: 35:100
Calf-to-Cow: 30:100

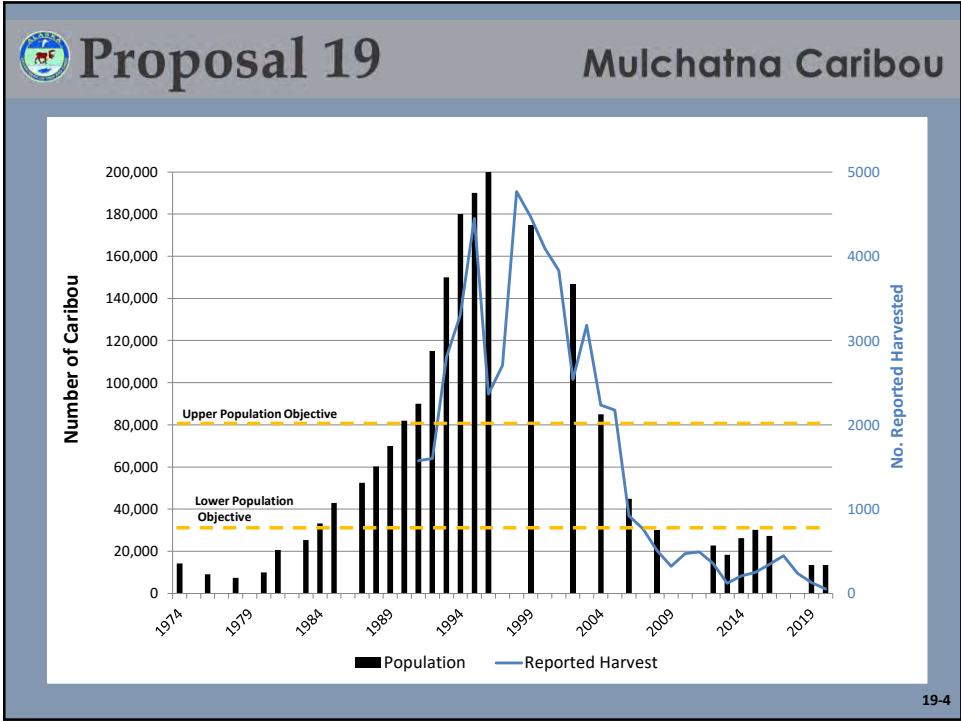
Amount Necessary for Subsistence (ANS): 2,100–2,400

19-2

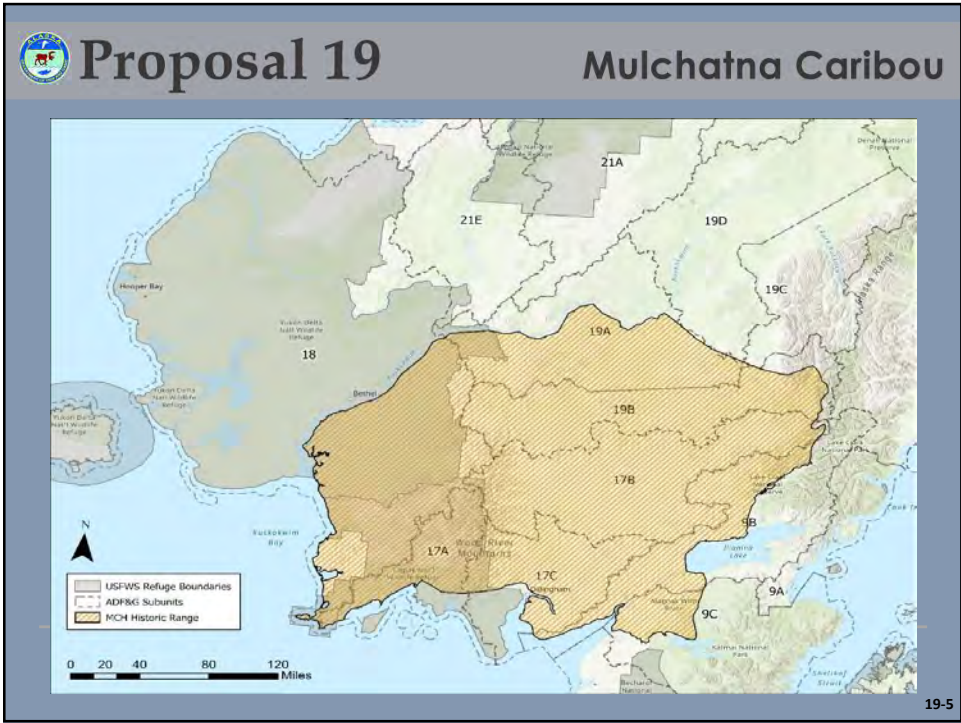
76




77



78



79



Proposal 19

Mulchatna Caribou

Establish new population and harvest objectives for the Mulchatna Caribou herd in Units 9, 17, 18 & 19

USFWS Proposal

Department recommendation: **Take No Action**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

19-6

80

Proposal 22

Caribou/Unit 17A, 17C

5 AAC 99.025

Customary and traditional uses of game populations.

Determine customary and traditional uses of the Nushagak Peninsula caribou herd

Proposed by:

ADF&G

Department Recommendation:

Neutral

AC Recommendations:


Nushagak AC:

RC 4, Tab 3.2

Board of Game, Wasilla, Alaska

January 20 29, 2022

Alaska Department of Fish and Game



1

Proposal 22

Caribou/Unit 17A, 17C

5 AAC 99.025

Customary and traditional uses of game populations.

Determine customary and traditional uses of the Nushagak Peninsula caribou herd

Proposed by:

ADF&G

Department Recommendation:

Neutral

AC Recommendations:


Nushagak AC:

RC 4, Tab 3.2

Board of Game, Wasilla, Alaska

January 20 29, 2022

Alaska Department of Fish and Game



16

U. Mulchatna CUA

Public Proposal

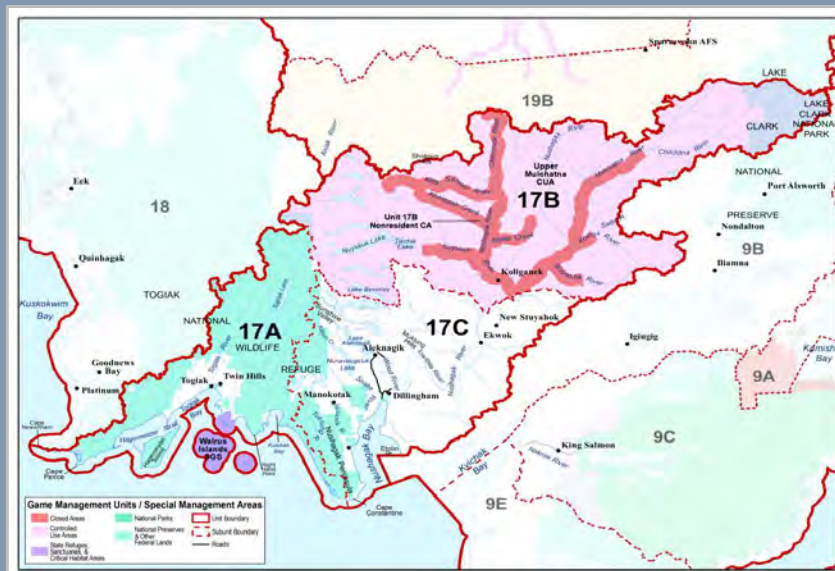
Department Recommendation: **Neutral**

Lake Iliamna AC:
Naknek/Kvichak AC:


83



U. Mulchatna CUA



84



Proposal 201


U. Mulchatna CUA

CUA History and Rationale

- **Adopted into regulation in 1990**
- **Two proposals were submitted to request this action**
 - **ADF&G proposal**
 - Increasing hunting pressure was a concern
 - ORV use was increasing
 - Conflicts between local and non-local hunters
 - Habitat will be impacted
 - **Nushagak Advisory Committee Proposal**
 - Hunt quality will deteriorate with ATV use
 - Habitat will be impacted

201-3

85



Proposal 201

U. Mulchatna CUA

Current Regulations


Upper Mulchatna Controlled Use Area: All of Unit 17(B);

- Closed to motorized vehicles for big game hunting
August 1 – November 1

Except aircraft or boat and legally permitted hunting camp

201-4

86



Proposal 201


U. Mulchatna CUA

Proposal Rationale

- *Subsistence hunters* are unfairly restricted to the river corridor while guides and others who can fly into sites have access to adjacent areas off the river.
- Motorized vehicles can be used for hunting small game, berry picking, fishing, etc. but if a moose presents itself, you can not harvest it.

201-5

87



Proposal 201


U. Mulchatna CUA

Are 1990s Concerns Still Valid?

- Declining Mulchatna herd has led to fewer hunters.
- Moose hunting for nonresidents has been restricted on rivers, but still unlimited in adjacent areas.
- Popularity of motorized vehicles suggests use could still be high.
- Habitat would likely be impacted in popular areas.

201-6

88



Proposal 201


U. Mulchatna CUA

Summary

- Local depletions of moose could occur in areas accessible to motorized vehicles.
- Impacts to habitat: largely dependent on level of use and type of habitat motorized vehicles are used in.
- User conflicts: could occur in areas that become popular for motorized vehicle use.
- The proposal is specific to keeping the restrictions for guided hunters.

201-7

89



Proposal 201

U. Mulchatna CUA

Remove Upper Mulchatna Controlled Use Area restrictions for non-guided hunters.

Public Proposal


Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

201-8

90



Proposal 23

Wolf & Wolverine

Allow the use of a snowmachine to position a wolf or wolverine for harvest in Unit 17

Public Proposal


Department recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

23-1

91



Proposal 23

Wolf & Wolverine

Current Regulations

Wolverine:


- Hunting: One wolverine; Sept.1–Mar.31;
- Trapping: No limit; Nov. 10–Mar. 31
- You may not shoot or assist in shooting a wolverine until after 3:00 a.m. following the day in which you have flown in an airplane. However, you may shoot a wolverine caught in a trap or snare on the day you have flown.

Wolf:

- Hunting: 10 wolves a day; Aug.10–Apr. 30;
- Trapping: No limit; Nov. 10–Apr. 30
- In Unit 17, snowmachines and ATVs may be used to position trappers to take wolves during trapping season, the animals must be shot from a stationary snowmachine or ATV. Use of snowmachines and ATVs is not allowed on NPS or National Wildlife Refuge lands that have not been approved by the agencies.

23-2

92



Proposal 23

Wolf & Wolverine

Proposed Changes

➤ This proposal would add Unit 17 to a list of Game Management Units where a snowmachine could be used to position a wolf or wolverine for harvest.

➤ *Wolves or wolverine* could be shot from a stationary snowmachine.

➤ This proposed change would replicate the regulations for this method and means that have previously been adopted for Units 22, 23, and 26A.

- BOG specifically omitted Unit 18 from this list due to differences between MCH and WAH.

23-3



Proposal 23


Wolf & Wolverine

Wolverine

Regulatory Year	Harvest		Total Harvest
	Hunt	Trap	
2011	2	48	50
2012	0	43	43
2013	1	22	23
2014	0	9	9
2015	0	18	18
2016	0	39	39
2017	1	34	35
2018	1	21	22
2019	1	25	26
2020	0	60	60

- Shooting = 63
- Trap or snare = 252
- Other = 10

23-4



Proposal 23

Wolf & Wolverine


Wolf

Regulatory Year	Harvest		Total Harvest
	Hunt	Trap	
2011	20	74	94
2012	7	23	30
2013	3	17	20
2014	4	2	6
2015	0	24	24
2016	2	63	65
2017	9	52	61
2018	3	18	21
2019	3	60	63
2020	6	20	26

- Shooting = 322
- Trap or snare = 84
- Other = 4

The table indicates wolf harvest in all of GMU 17 & excludes wolves taken under predation control.

23-5



Proposal 23

Wolf & Wolverine

Management Considerations


Wolverine harvest has been relatively stable averaging 33/year over the last 10 years.

- Large fluctuations in harvest are typically due to variability in travel conditions.

Wolf harvest (non-predator control) has been variable averaging 41 wolves/year but ranging from 6–94.

- The variability is primarily due to variability in travel conditions and competition with predator control harvest.

23-6



Proposal 23

Wolf & Wolverine

Allow the use of a snowmachine to position
a wolf or wolverine for harvest in Unit 17

Public Proposal


Department recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

23-7

97



Proposal 24

Alaska Hare

Establish season, bag limit, and salvage
requirement for Alaska hare in Unit 17

Department Proposal

Department Recommendation: **SUPPORT**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

24-1

98



Proposal 24

Alaska Hare


Alaska Hare

- 1. Large high latitude lagomorph (7–14lbs).
- 2. Low reproductive potential.
- 3. Alaska hare found Western / SW AK.
- 4. Low abundance throughout range.



24-2

99



Proposal 24

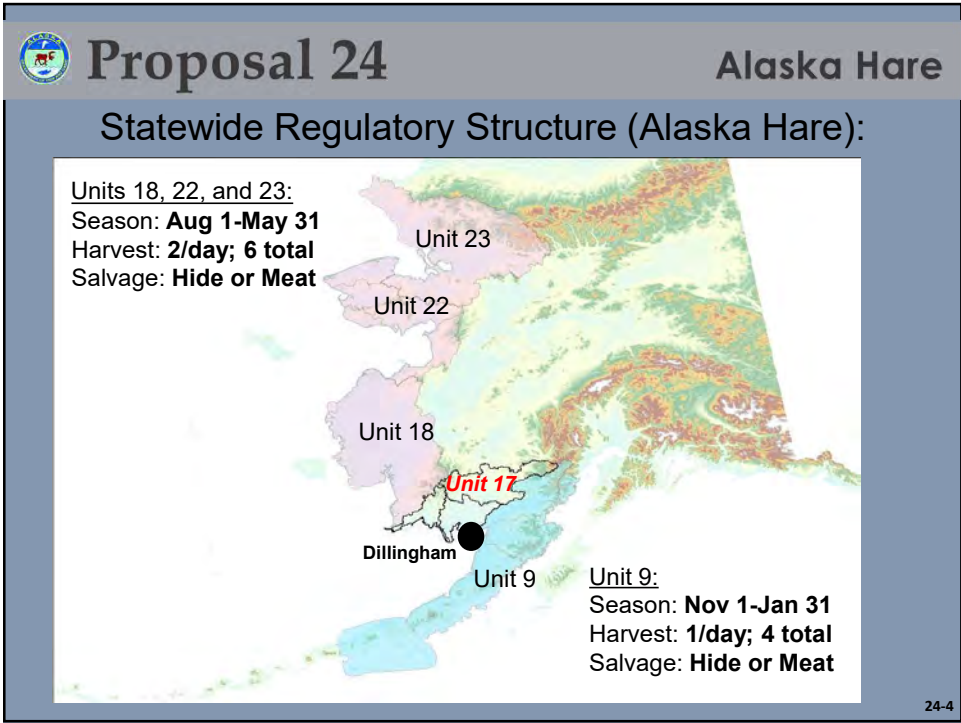
Alaska Hare

Regulatory Background:

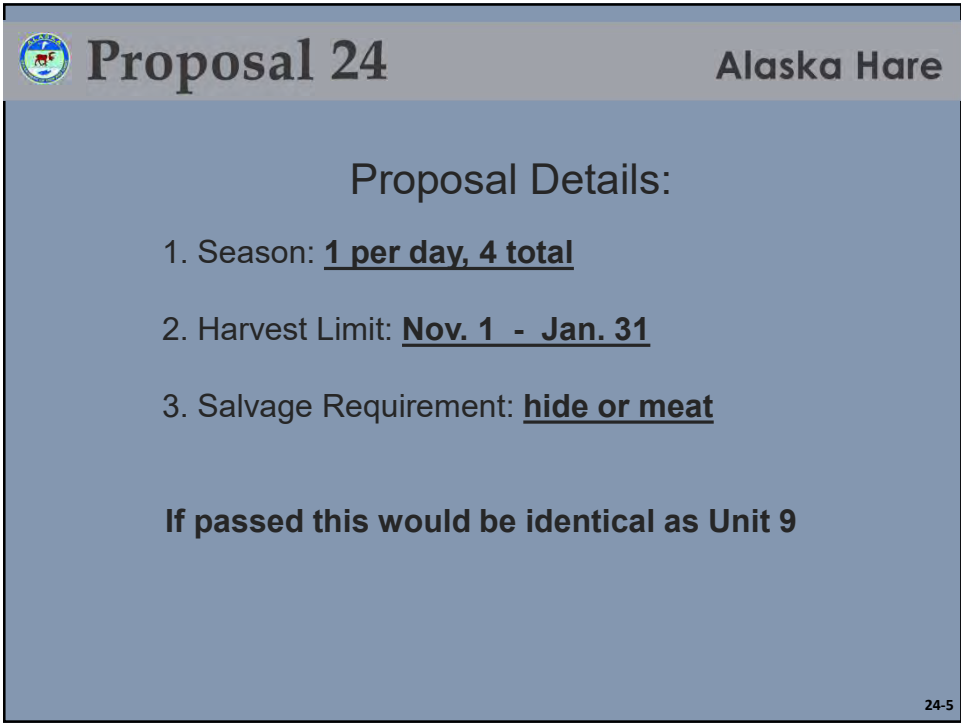
- 1. 2018 – BOG created season, bag limit, and salvage requirement in Unit 9.
- 2. 2020 – same in units 18, 22, and 23.
- 3. This proposal would create a management structure *throughout* the species range.

24-3


100



101



102



Proposal 24

Alaska Hare

Establish season, bag limit, and salvage requirement for Alaska hare in Unit 17

Department Proposal


Department Recommendation: **SUPPORT**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

24-6

103



Proposal 202

Beaver

Allow the harvest of beaver by firearms under a trapping license in Unit 17

Public Proposal


Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

202-1

104



Proposal 202

Beaver

Current Regulations

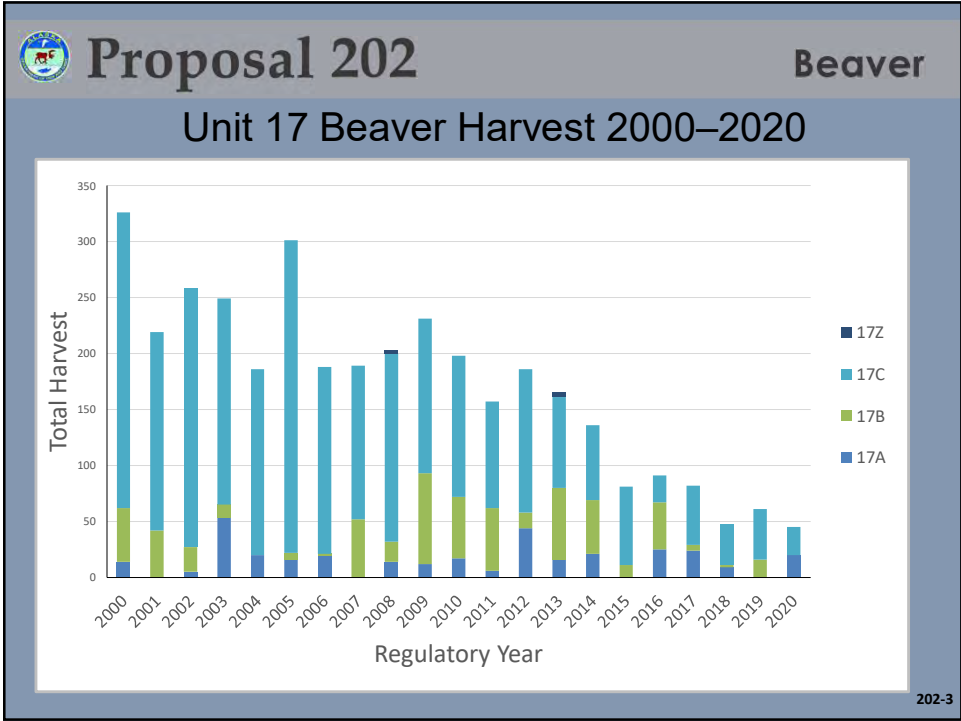
- Season dates: Oct. 10 – May 31. No Limit.
- Only steel trap or snare allowed except:
 - Apr. 15 – May 31. Firearms may be used to take up to 2 beaver per day provided meat is salvaged for human consumption.
 - Dec. 1 – Apr. 14. firearm or bow and arrow may be used to harvest beaver provided that the meat is salvaged.
- Sealing required

Background


- No biological concern
- Fewer trappers and low fur prices result in lower take overall
- Some concern about the ability to recover beaver after they have been shot

202-2

105



106



Proposal 202

Beaver

Allow the harvest of beaver by firearms
under a trapping license in Unit 17

Public Proposal


Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

202-4

107



Proposal 203

Muskrat

Extend Muskrat trapping season in Unit 17

Public Proposal

Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

203-1

108



Proposal 203

Muskrat

Current Regulations

- November 10 – March 31. No Limit

Background

- No data on harvest
- Low fur prices and little demand for furbearers in general results in relatively low effort
- Spring season aligns with beaver season
- Spring season allows for open water trapping

203-2

109



Proposal 203

Muskrat

Extend Muskrat trapping season in Unit 17

Public Proposal

Department Recommendation: **Neutral**

Nushagak AC:
Togiak AC:

Lake Iliamna AC:
Naknek/Kvichak AC:

203-3

110