Proposal 78

Caribou / Unit 16B

This proposal would extend the caribou season in Units 16B from August 10 – September 30 to August 10 – October 15.

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Su Valley AC
Tyonek AC

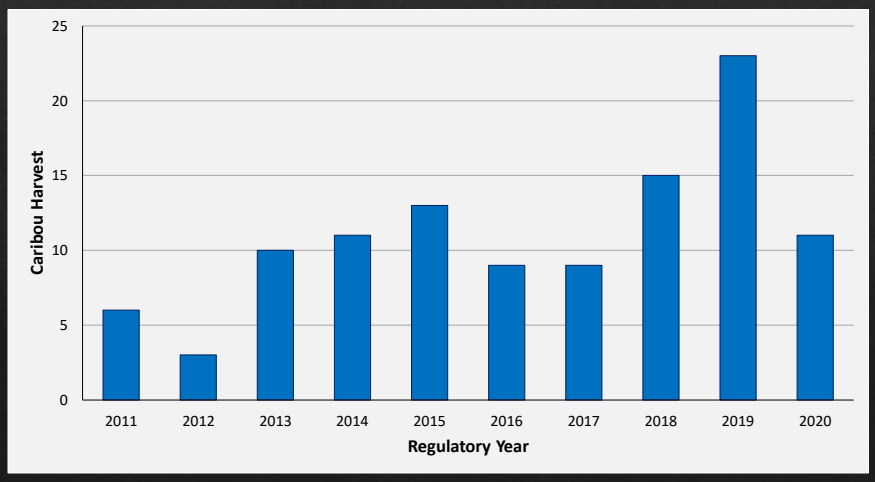
78- 1

1

Proposal 78

Caribou / Unit 16B

Unit 16B Caribou Harvest RY2011 – 2020



Current Regulation
Bag Limit; 1 bull

Season Dates; Aug. 10 – Sept. 30

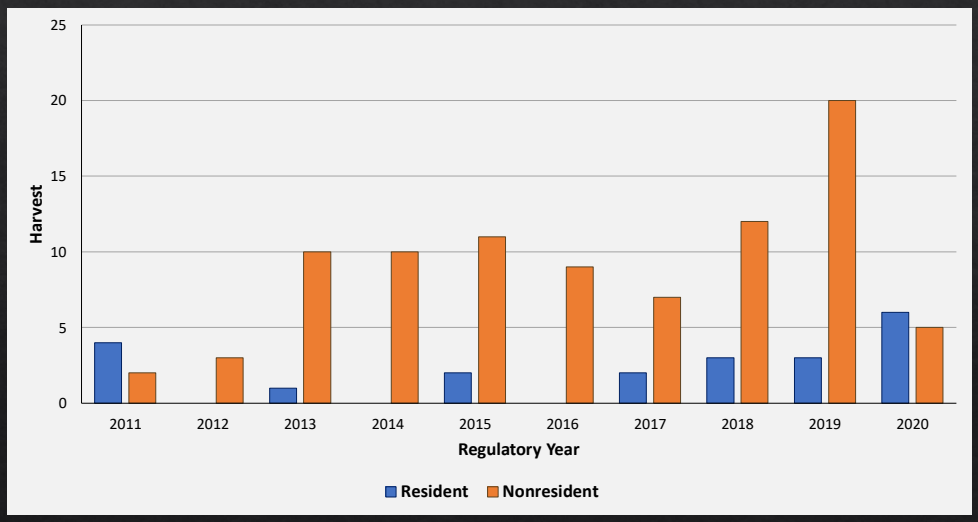
78- 2

2

Proposal 78

Caribou / Unit 16B

Unit 16B Caribou Resident and Nonresident Harvest RY2011 – 2020



78-3

3

Proposal 78

Caribou / Unit 16B

Harvest Chronology for Caribou in Unit 16B, RY2011 – 2020

Regulatory Year	Aug 10–20	Aug 21–31	Sep 1–10	Sep 11–20	Sep 21–30	Total Harvest
2011	50%	0%	0%	33%	17%	6
2012	33%	67%	0%	0%	0%	3
2013	70%	10%	10%	10%	0%	10
2014	18%	0%	18%	0%	64%	11
2015	54%	8%	23%	8%	8%	13
2016	33%	0%	22%	0%	44%	9
2017	22%	11%	33%	11%	22%	9
2018	0%	27%	27%	20%	27%	15
2019	26%	30%	22%	13%	9%	23
2020	27%	18%	18%	18%	18%	11
Average	31%	16%	20%	12%	21%	11

78-4

4

Proposal 78 — Caribou / Unit 16B

Summary

- No population information - small non-migratory herd in Rainy Pass
- Average harvest 11 per year, 47% of harvest in August
- Adds 15 days to the season
- Proposal overlaps the rut, bulls may be inedible

78-5

5

Proposal 78 — Caribou / Unit 16B

This proposal would extend the caribou season in Units 16B from August 10 – September 30 to August 10 – October 15.

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Su Valley AC
Tyonek AC

78- 6

6

Proposal 223 — Intensive Management / Unit 16

Reauthorize the Unit 16 Intensive Management Plan

Department proposal

Department Recommendation: Support

Mat Valley AC
Su Valley AC
Tyonek AC
Mt Yenlo

223-1

7

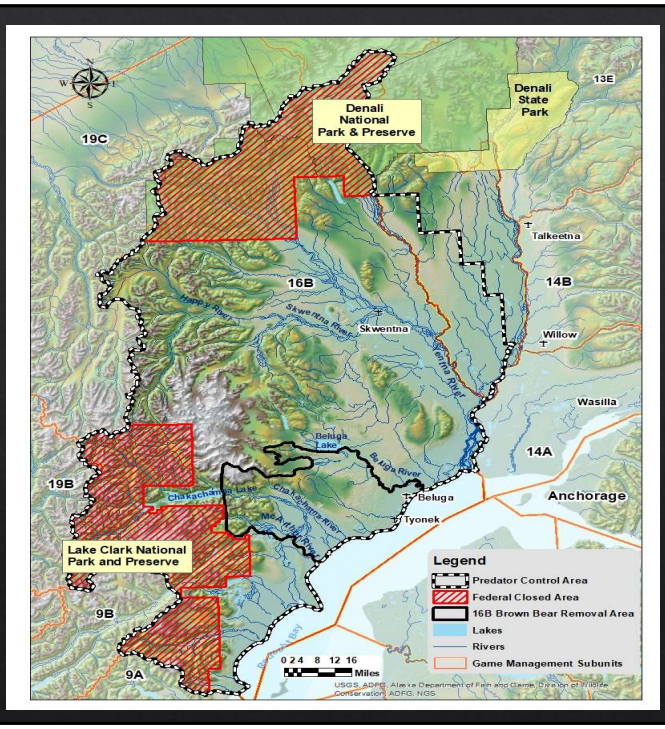
Proposal 223 — Intensive Management / Unit 16

History

- Wolf control program in Unit 16B was implemented during RY2004.
- Wolf control program was reauthorized in May 2006 to include part of Unit 16A.
- Predator control program was modified to include black bear predation control in RY2008.
- Predator control program was reauthorized for 6 years and modified to include brown bear predation control in March 2011. The modifications were implemented during RY2011.
- Area available for wolf control was reduced in 2013, and the program was suspended in 2014.
- The predator control program was reauthorized for 6 years and included an Operational Plan for Intensive Management of Moose in February 2015.
- The bear control programs were suspended in 2017.
- The Intensive Management Plan for Unit 16 expired 1 July 2021

223- 2

8



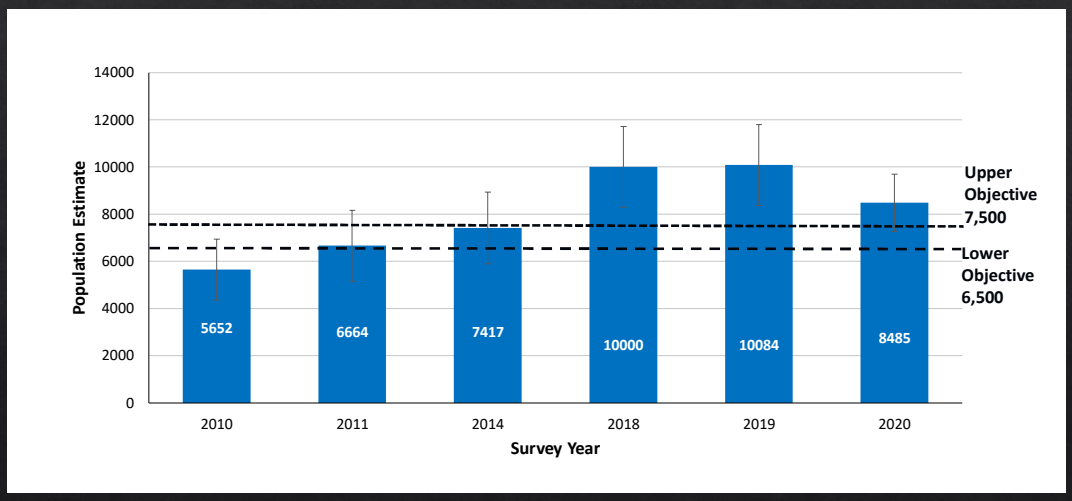
223-3

9

Proposal 223

Intensive Management / Unit 16

Unit 16B Moose Population, RY2010 – 2020

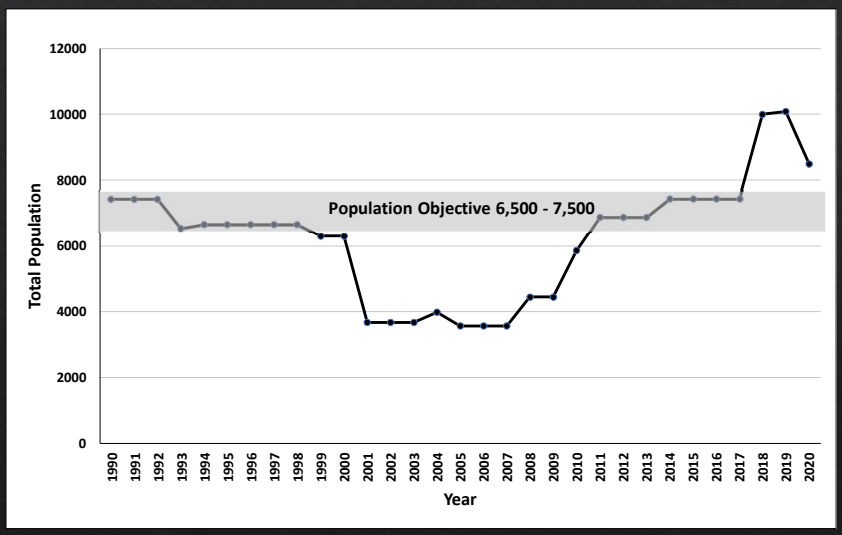


223- 4

10

Proposal 223 — Intensive Management / Unit 16

Unit 16B Moose Population, RY1990 – 2020

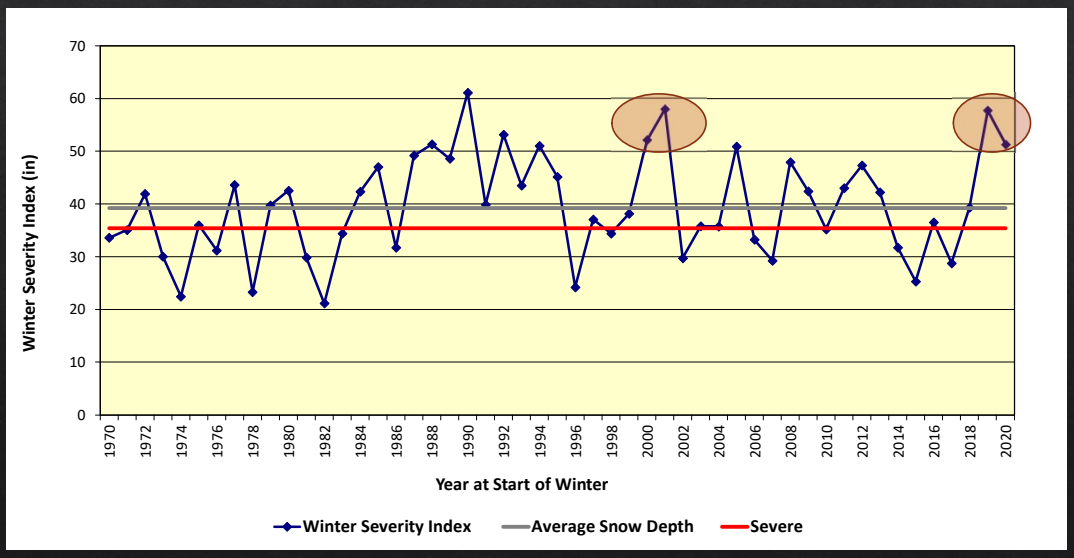


223-5

11

Proposal 223 — Intensive Management / Unit 16

Unit 16B Moose Harvest, RY1970 – 2020

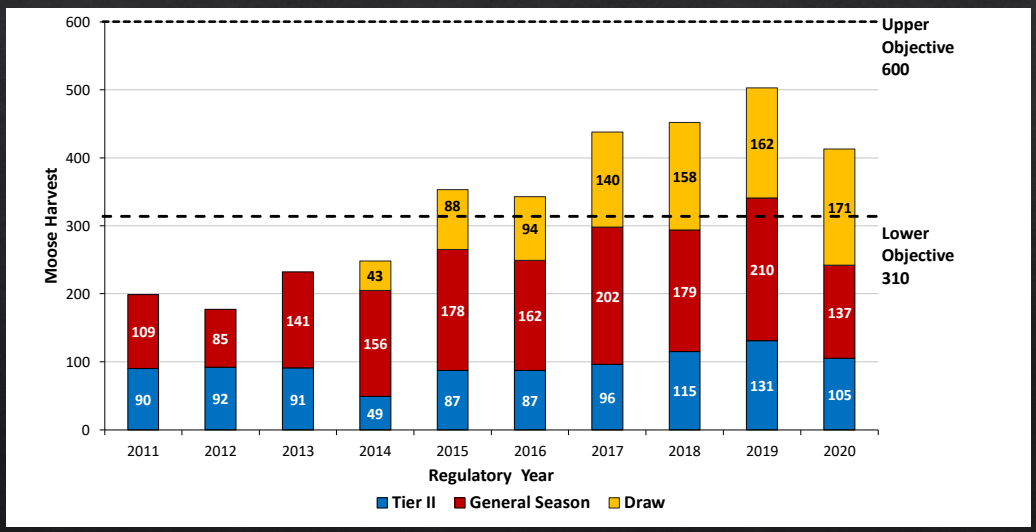


223-6

12

Proposal 223 — Intensive Management / Unit 16

Unit 16B Moose Harvest, RY2011 – 2020



223-7

13

Proposal 223 — Intensive Management / Unit 16

Survey Unit	IM Population Objective proportional to area (midpoint)	Recent Moose Population Estimate (and year of survey)	Percent Recovery to Objective Midpoint	Bull: 100 Cow Ratio (and year of est.)
16B-North	1,820–2,100 (1,960)	1,671 (2019)	85%	60 (2014)
16B-Middle	3,120–3,600 (3,360)	3,740 (2020)	111%	28 (2020)
16B-South	1,560–1,800 (1,680)	3,074 (2018)	183%	32 (2019)
Unit 16B	6,500–7,500 (7,000)	8,485	121%	34

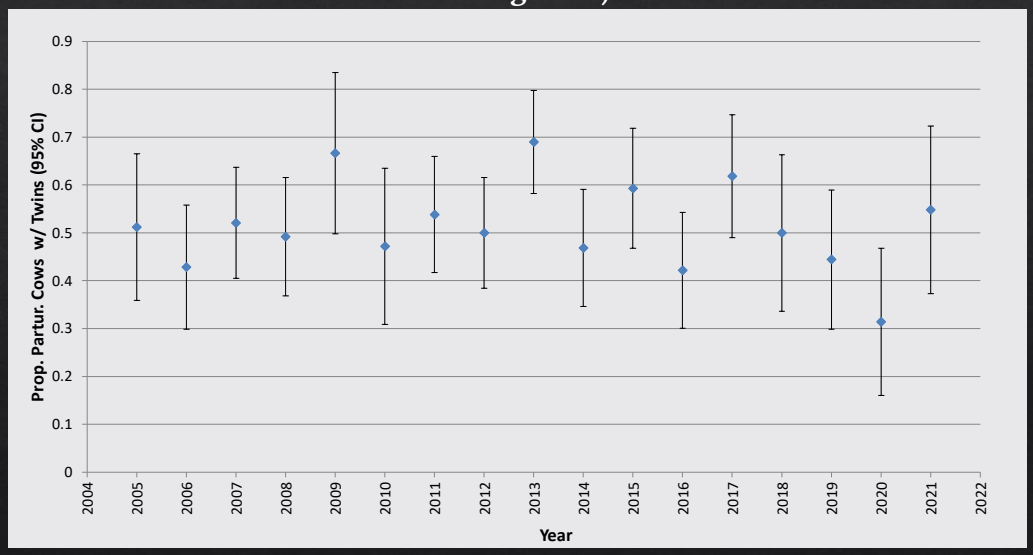
223-8

14

Proposal 223

Intensive Management / Unit 16

Unit 16B Twinning Rate, RY2004 - 2021



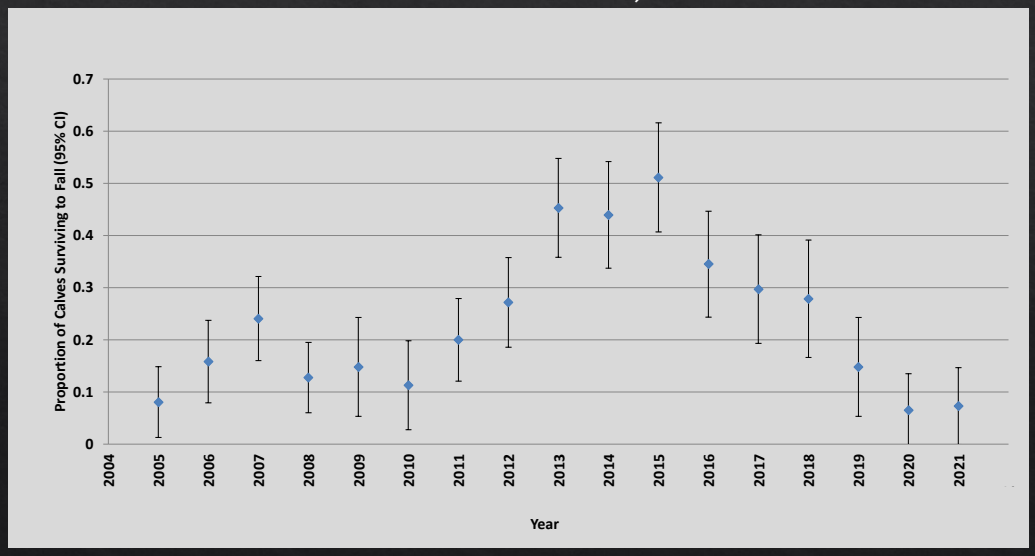
223-9

15

Proposal 223

Intensive Management / Unit 16

Unit 16B calf survival to fall, RY2004 – 2021

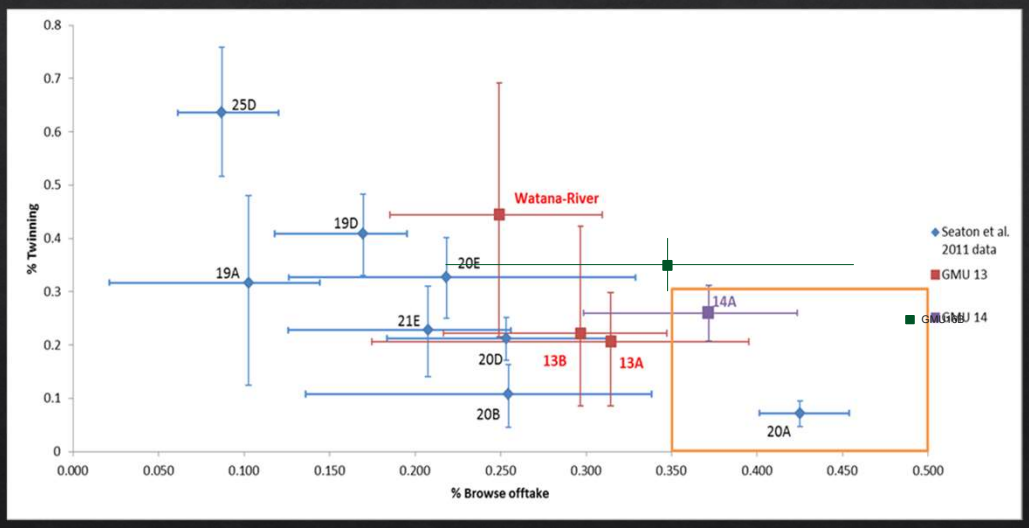


223-10

16

Proposal 223 — Intensive Management / Unit 16

Browse offtake and twinning rate for Unit 16B and other GMUs

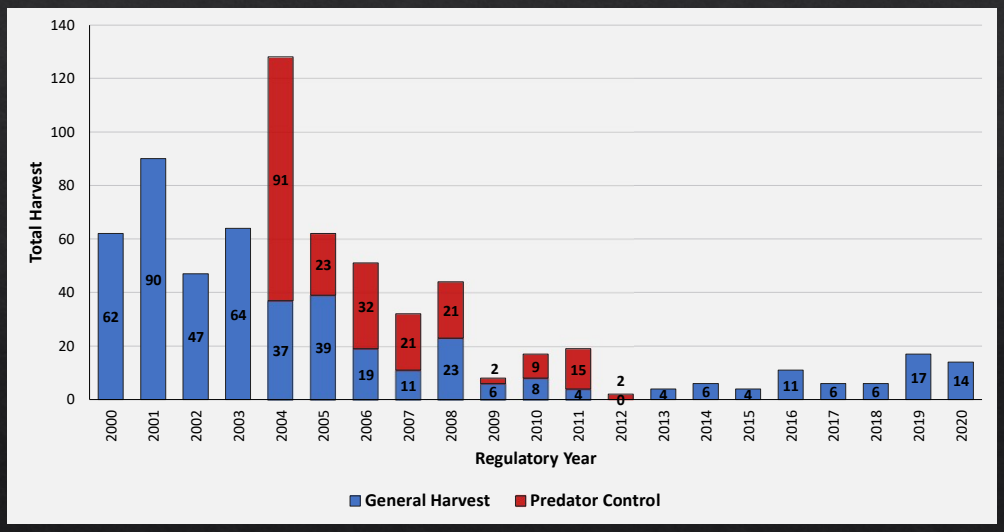


223-11

17

Proposal 223 — Intensive Management / Unit 16

Wolf harvest by type, RY2000 – 2020

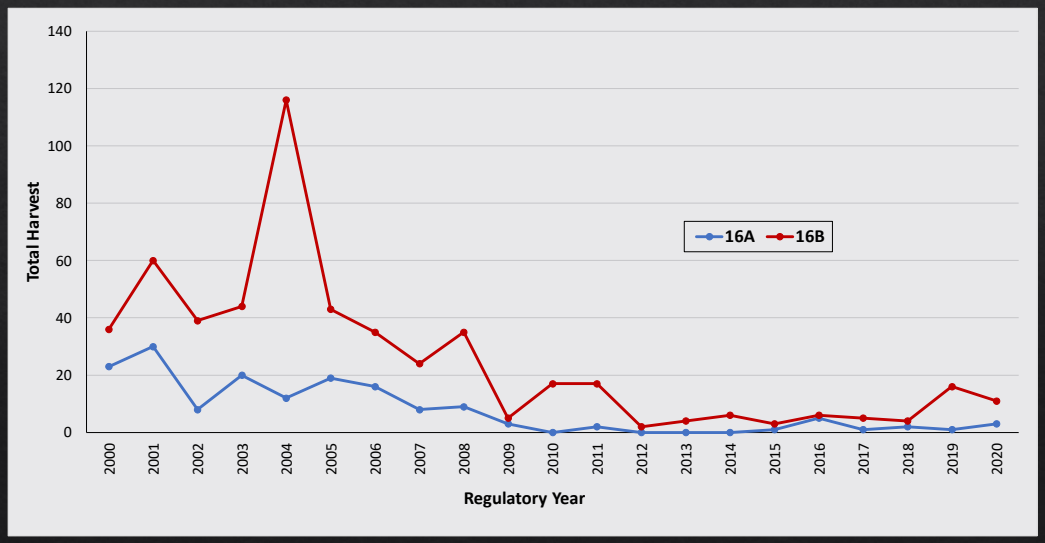


223-12

18

Proposal 223 — Intensive Management / Unit 16

Wolf harvest by GMU, RY2000 – 2020

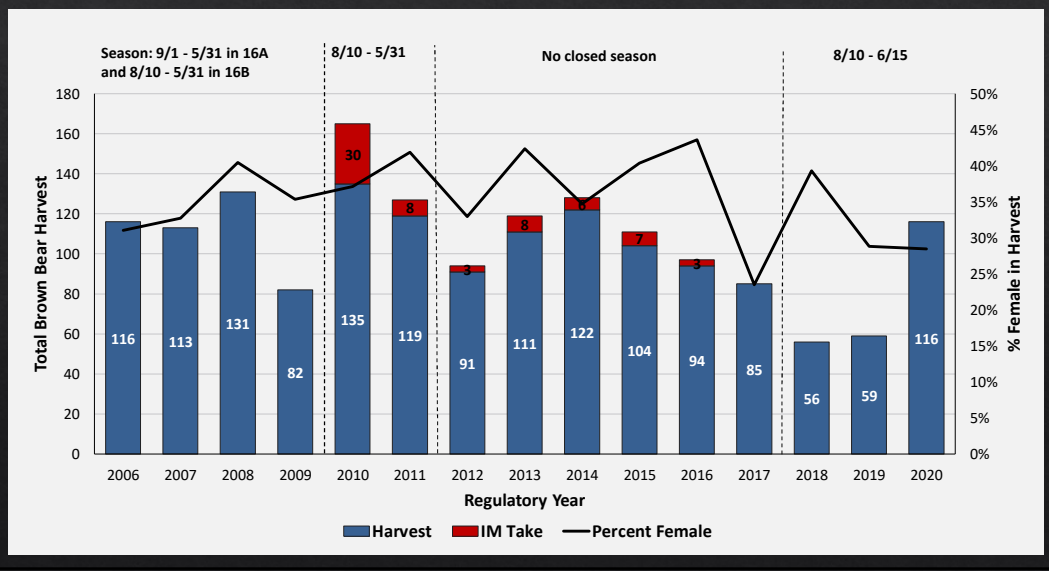


223-13

19

Proposal 223 — Intensive Management / Unit 16

Brown Bear Harvest, Season Dates and Percent Females, RY2006 – 2020

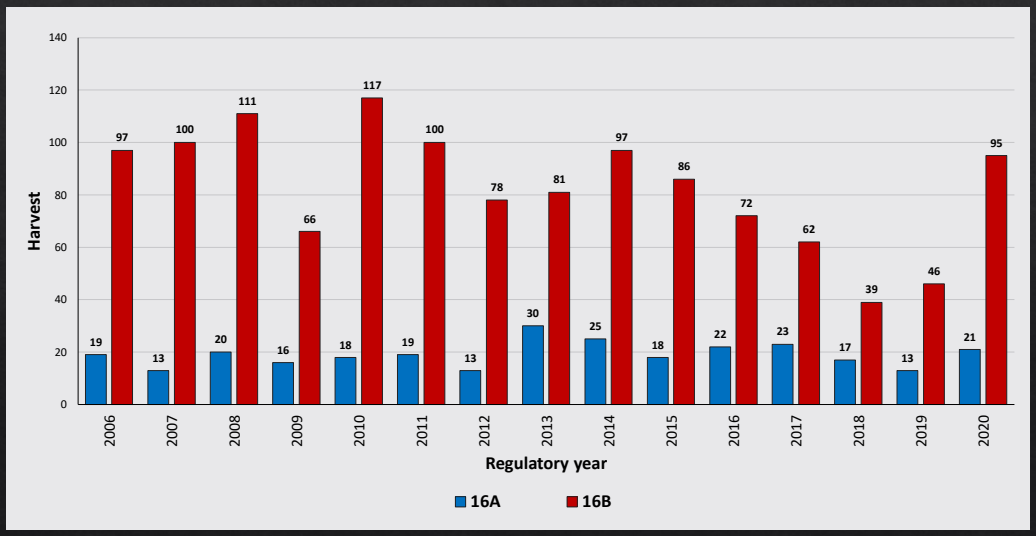


223-14

20

Proposal 223 — Intensive Management / Unit 16

Brown bear harvest by GMU, RY2006 – 2020

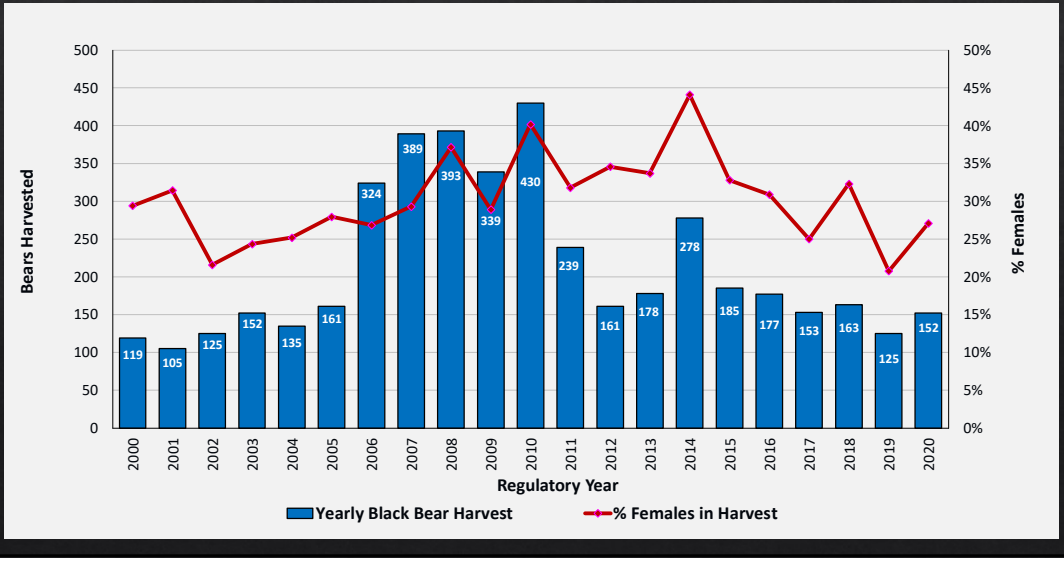


223-15

21

Proposal 223 — Intensive Management / Unit 16

Unit 16B Black Bear Harvest and % Females in Harvest, RY2000 - 2020



223-16

22

Proposal 223 — Intensive Management / Unit 16

Decision framework to implement or suspend a treatment

- When mid-point of IM objective for moose pop. is achieved
- When wolf pop. surveys or info. indicate the need to avoid reducing numbers below the midpoint of 35 – 55 wolves
- When black bear pop. info. indicates the need to avoid reducing below 700 black bears
- When brown bear pop. Info. Indicates the need to avoid reducing below 375 brown bears
- If after 3 years the harvest of predators is not sufficient to make progress toward IM objectives for wolves, black bears, or brown bears; the program may be suspended for one or more predator

223-17

23

Proposal 223 — Intensive Management / Unit 16

Predation control activities will be suspended or modified:

- When mid-point of IM objective for moose pop. is achieved, and harvest can be maintained within IM harvest objectives
- If after 3 years, there is no indication of an increase in the total number of moose
- When wolf reduction and pop. objectives have been met or after 3 years if no progress made toward objective
- When bear reduction and pop. objectives have been met or after 3 years if no progress made toward objective
- When declining twinning trends in twinning rate or other index of nutritional status are observed and indicate that objectives may be too high

223-18

24

Proposal 223 — Intensive Management / Unit 16

Summary

- Conforms to current IM protocol
- Alters recently expired IM program by removing the use of helicopters by the public and foot snares for capturing bears
- Coincides with new Intensive Management Operational Plan for Unit 16B
- Moose population ~ 8,485; Pop. Objective 6,500 – 7,500
- Moose harvest objective is 310 – 600; achieved since RY15
- Wolf population 106 – 111 (67 – 68 in Unit 16B; IM objective is 35 – 55 in 16B
- Bear populations likely unaffected by previous control measures

223-19

25

Proposal 223 — Intensive Management / Unit 16

Reauthorize the Unit 16 Intensive Management Plan

Department proposal

Department Recommendation: Support

Mat Valley AC
Su Valley AC
Tyonek AC
Mt Yenlo

223-20

26

Proposal 225

Moose / Unit 14A &14B

Eliminate antlerless moose hunts in Units 14A & 14B and harvest via nuisance hunt program instead

Public Proposal

Department Recommendation: Oppose

Mat Valley AC
Su Valley AC

225-1

27

Proposal 225

Moose / Unit 14A &14B

Current Regulations for Unit 14A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 antlerless moose by drawing permit only; up to 2,000 permits may be issued	Aug. 25 – Sept. 25 Nov. 1 – Dec. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 200 permits may be issued	Winter season to be announced by emergency order	No open season

225- 2

28

Proposal 225

Moose / Unit 14A &14B

Current Regulations for Unit 14B

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 bull by draw permit only; up to 100 permits may be issued	Aug. 25 – Sept. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 100 permits may be issued	Winter season to be announced by emergency order*	No open season

*RY2015 is the only year AM415 was used in Unit 14B. 5 bulls were harvested.

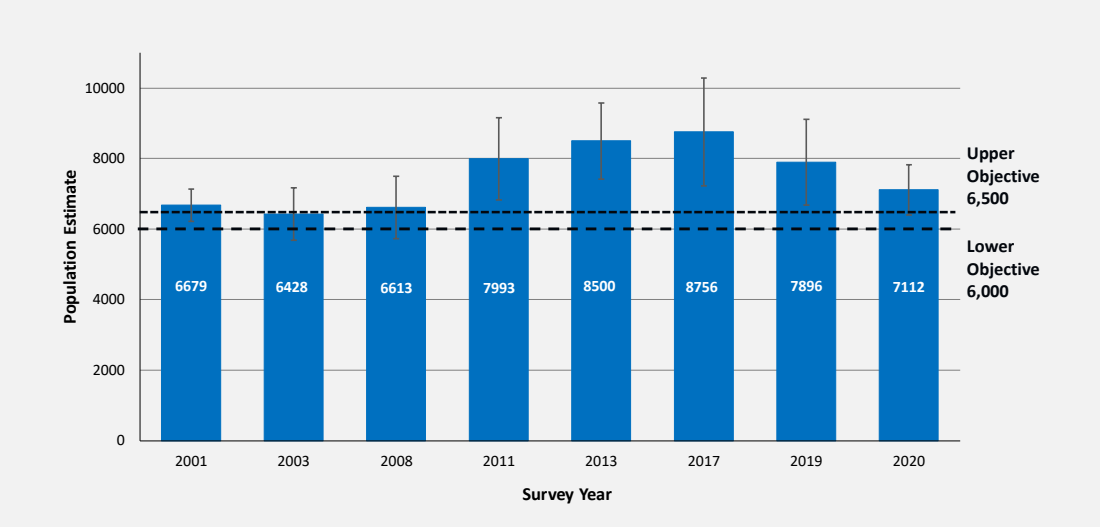
225-3

29

Proposal 225

Moose / Unit 14A &14B

Unit 14A Population Estimate



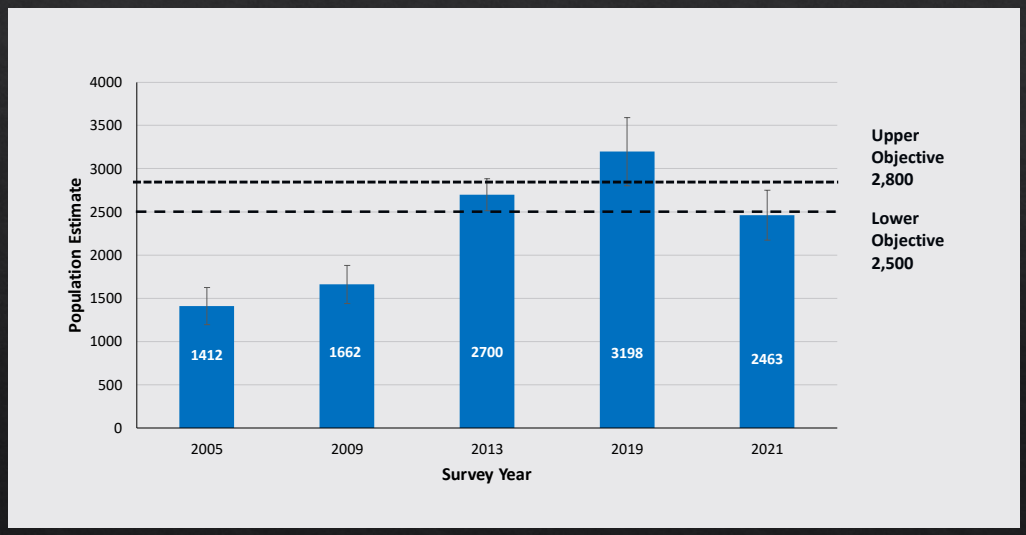
225- 4

30

Proposal 225

Moose / Unit 14A &14B

Unit 14B Population Estimate



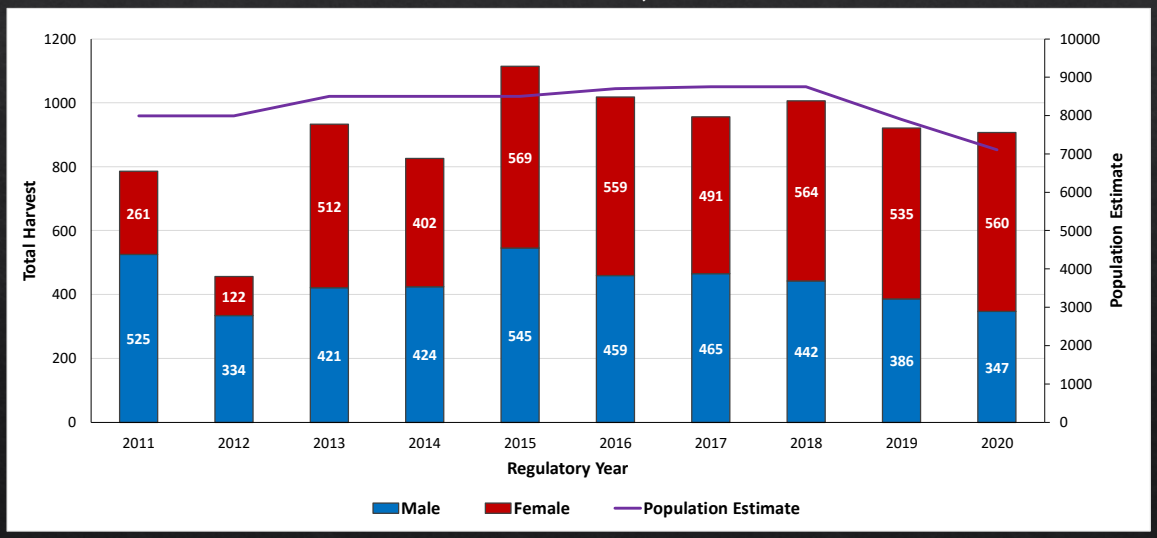
225-5

31

Proposal 225

Moose / Unit 14A &14B

Unit 14A Moose Harvest, RY2011 - 2020



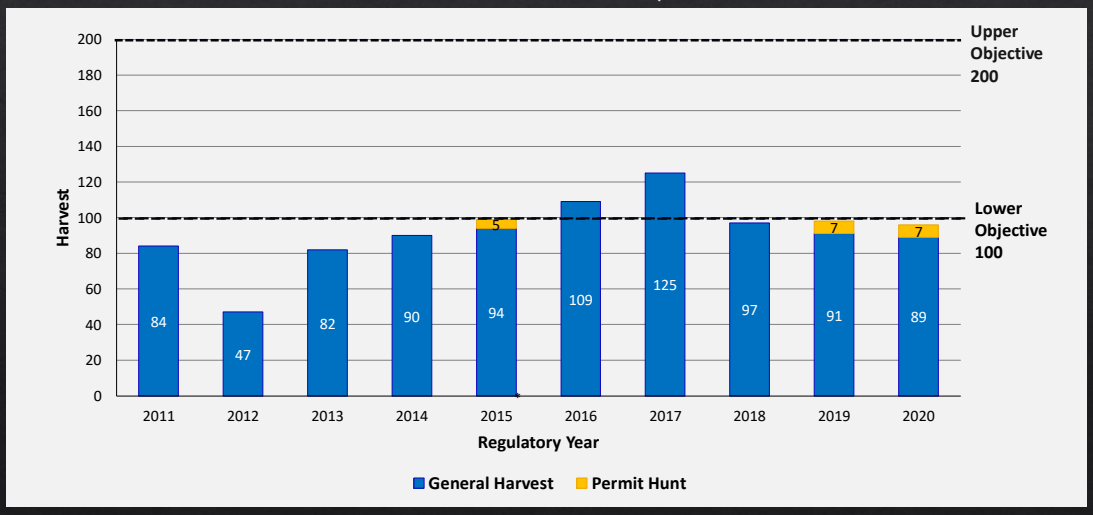
225-6

32

Proposal 225

Moose / Unit 14A &14B

Unit 14B Moose Harvest, RY2011 – 2020



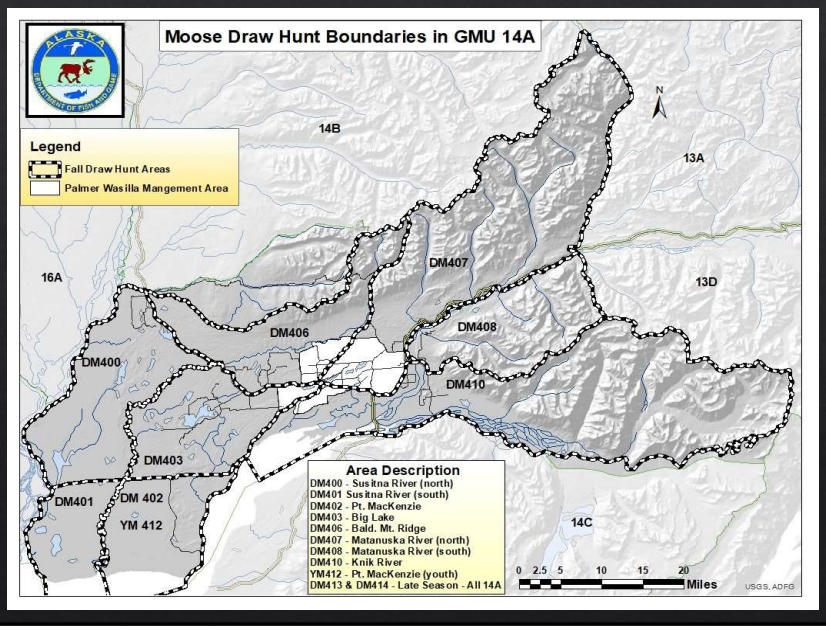
* RY15 permit hunt was AM415, RY19 and RY20 was DM416

225-7

33

Proposal 225

Moose / Unit 14A &14B



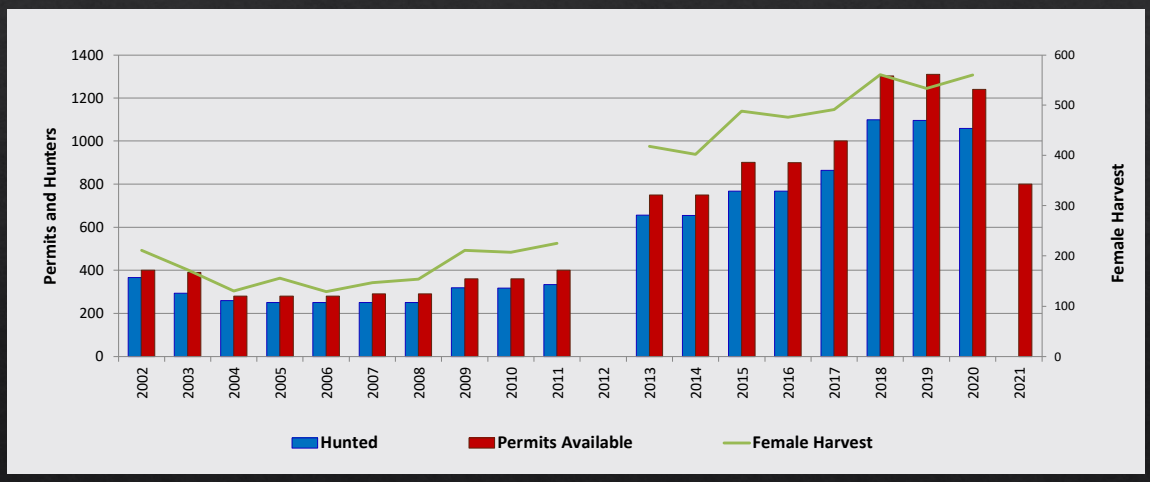
225-8

34

Proposal 225

Moose / Unit 14A &14B

Unit 14A Permits, Participation & Harvest, RY2002 – 2020



* Does not include AM415

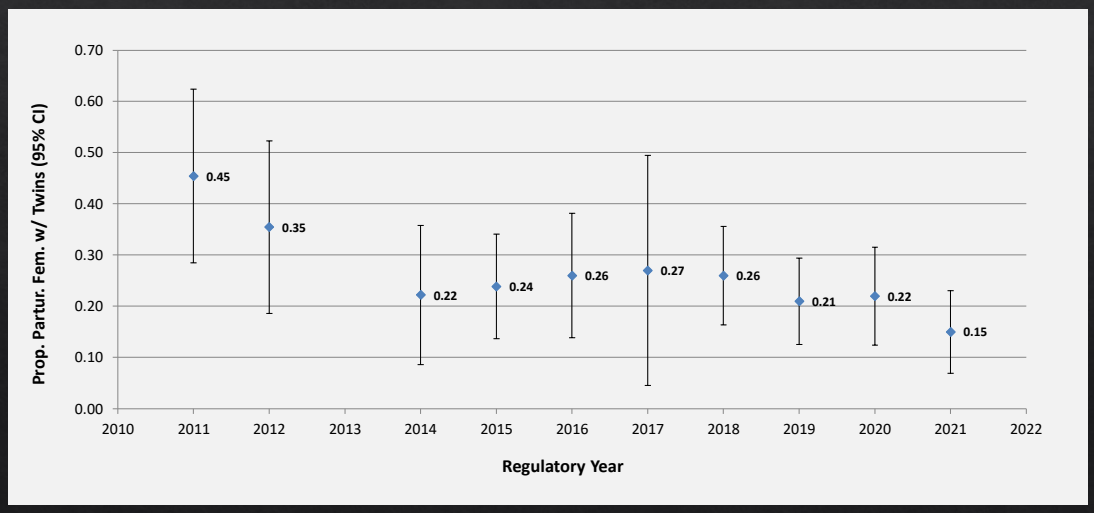
225-9

35

Proposal 225

Moose / Unit 14A &14B

Unit 14A Twinning Surveys, 2011 – 2021



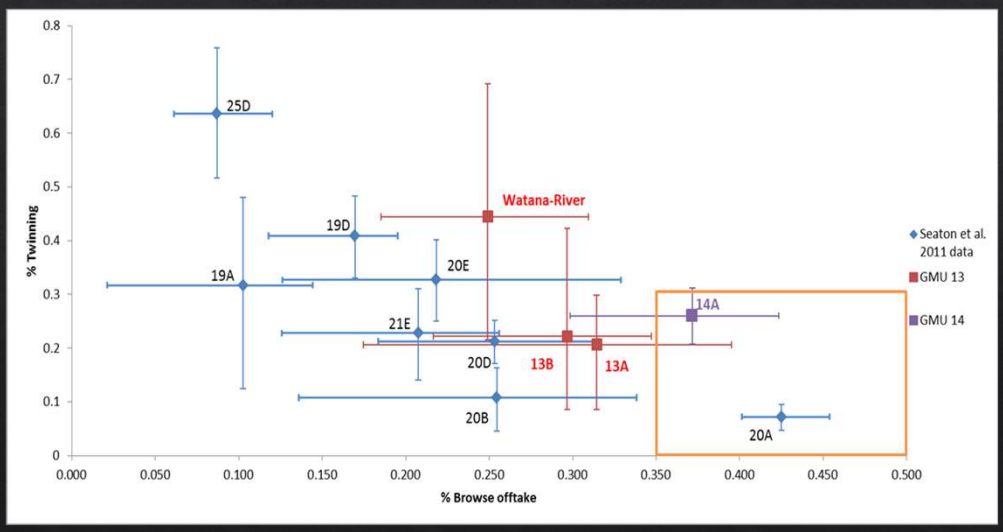
225-10

36

Proposal 225

Moose / Unit 14A &14B

Results of 2016 Unit 14A Browse Survey and Twinning Rate



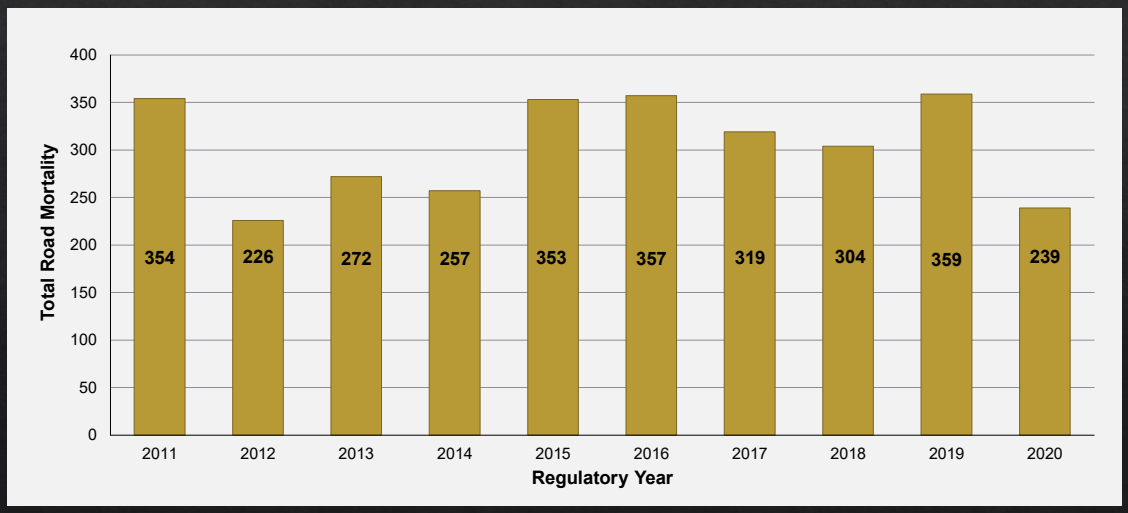
225-11

37

Proposal 225

Moose / Unit 14A &14B

Minimum Moose-Vehicle Collisions in Units 14A & 14B, RY2011 – 2020



225-12

38

Proposal 225

Moose / Unit 14A &14B

Unit 14A, AM415 Permit Levels, Participation and Success, RY2011 – 2020

AM415	Permits	Females harvested	Males harvested	Success
2011	50	34	10	88%
2012	198	121	22	72%
2013	130	94	15	83%
2014	20	9	0	45%
2015	145	81	26	74%
2016	120	82	13	79%
2017	0	0	0	~~
2018	0	0	0	~~
2019	0	0	0	~~
2020	0	0	0	~~

225-13

39

Proposal 225

Moose / Unit 14A & 14B

Things to consider

- AM415 has 200 permits available in Unit 14A and has 100 permits available in Unit 14B
- GSPE conducted December 2020 estimated 7,112 (± 711) moose; population objective is 6,000 – 6,500
- DM403 success rate is in the 60's (better than nearby areas)

225-14

40

Proposal 225

Moose / Unit 14A & 14B

Eliminate antlerless moose hunts in Units 14A & 14B and harvest via nuisance hunt program instead

Public Proposal

Department Recommendation: Oppose

Mat Valley AC
Su Valley AC

225-15

41

Proposal 224

Moose / Unit 14A &14B

Reauthorize the antlerless moose draw permits in Unit 14A and 14B

Department Proposal

Department Recommendation: Support

Mat Valley AC
Su Valley AC

224-1

42

Proposal 224

Moose / Unit 14A &14B

Current Regulations for Unit 14A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 antlerless moose by drawing permit only; up to 2,000 permits may be issued	Aug. 25 – Sept. 25 Nov. 1 – Dec. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 200 permits may be issued	Winter season to be announced by emergency order	No open season

224- 2

43

Proposal 224

Moose / Unit 14A &14B

Current Regulations for Unit 14B

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 bull by draw permit only; up to 100 permits may be issued	Aug. 25 – Sept. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 100 permits may be issued	Winter season to be announced by emergency order*	No open season

*RY2015 is the only year AM415 was used in Unit 14B. 5 bulls were harvested.

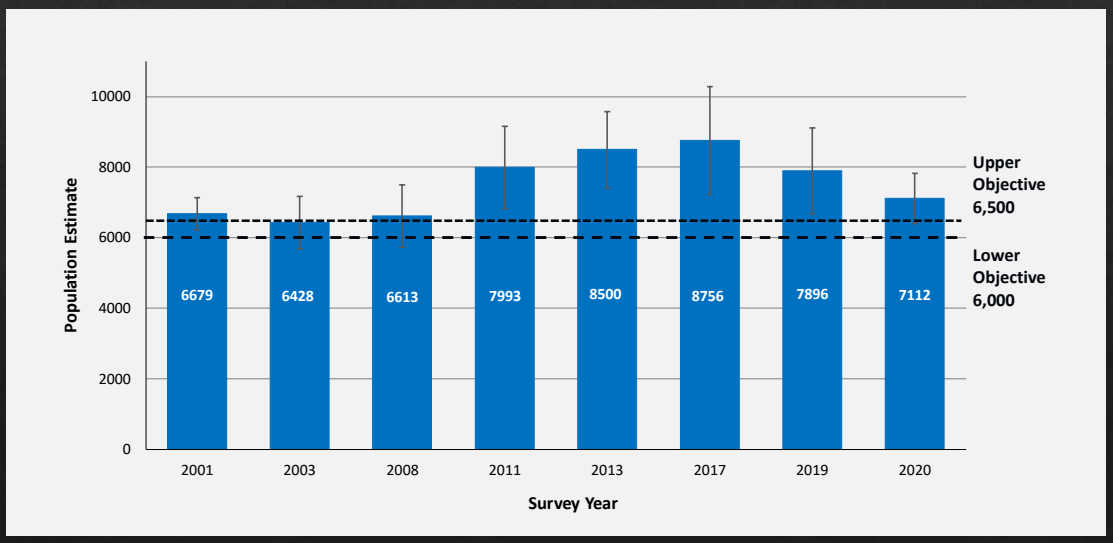
224-3

44

Proposal 224

Moose / Unit 14A &14B

Unit 14A Population Estimate



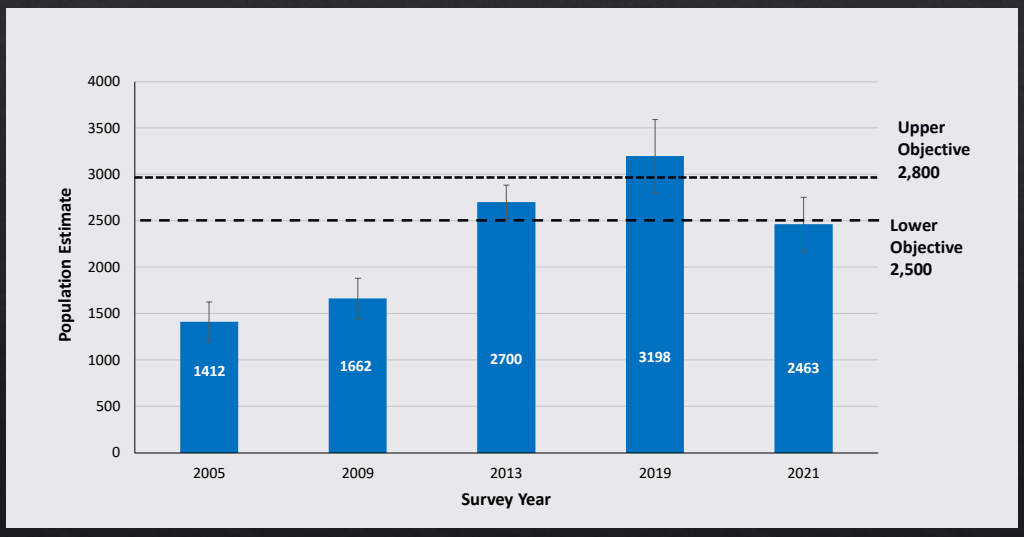
224- 4

45

Proposal 224

Moose / Unit 14A &14B

Unit 14B Population Estimate



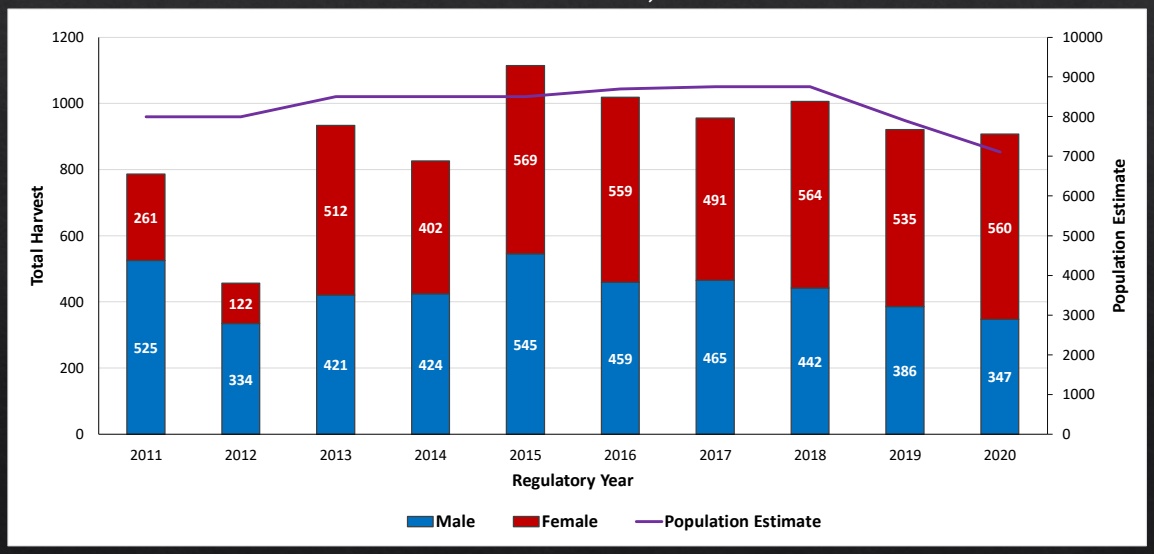
224-5

46

Proposal 224

Moose / Unit 14A &14B

Unit 14A Moose Harvest, RY2011 – 2020



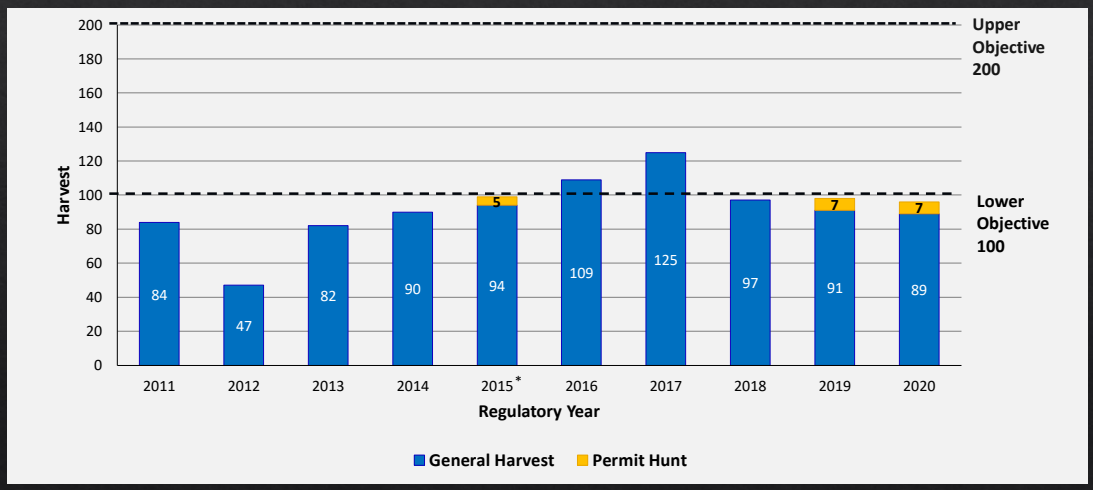
224-6

47

Proposal 224

Moose / Unit 14A &14B

Unit 14B Moose Harvest, RY2011 – 2020



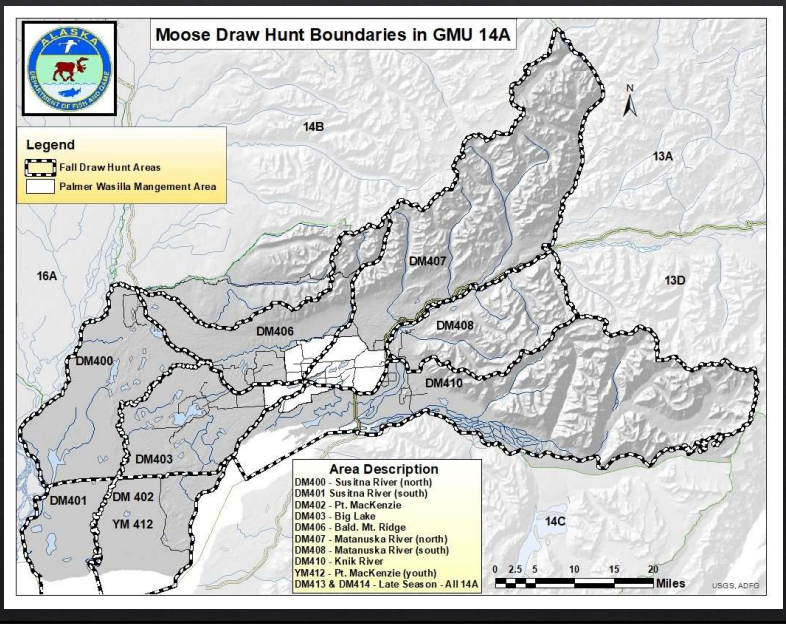
* RY15 permit hunt was AM415, RY19 and RY20 was DM416

224-7

48

Proposal 224

Moose / Unit 14A &14B



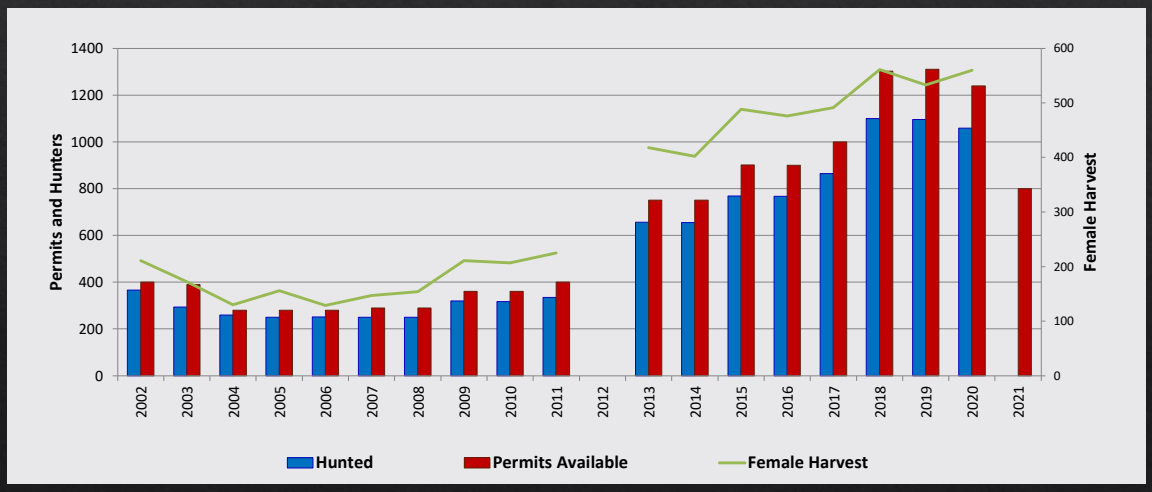
224-8

49

Proposal 224

Moose / Unit 14A &14B

Unit 14A Permits, Participation & Harvest, RY2002 – 2020



* Does not include AM415

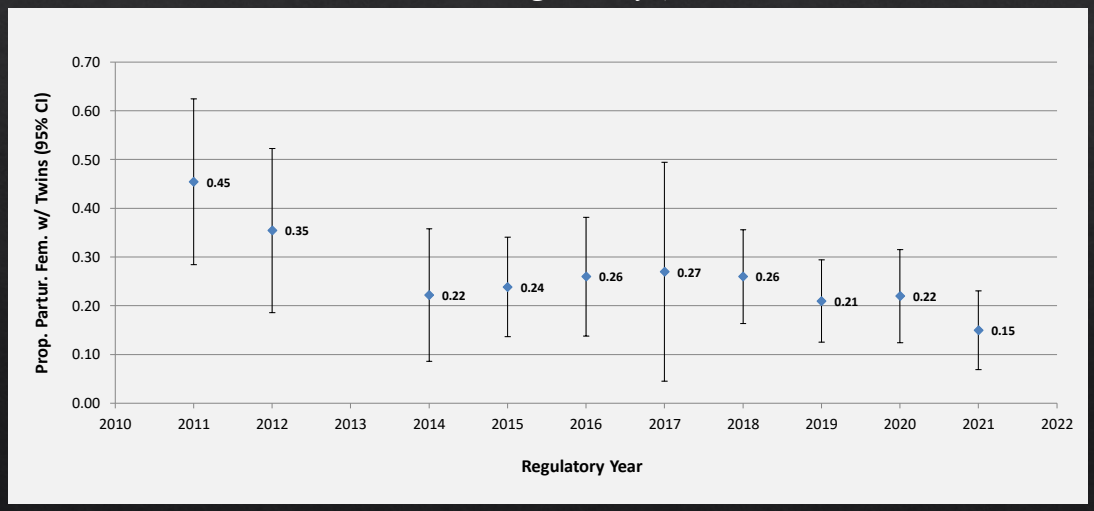
224-9

50

Proposal 224

Moose / Unit 14A &14B

Unit 14A Twinning Surveys, 2011 – 2021



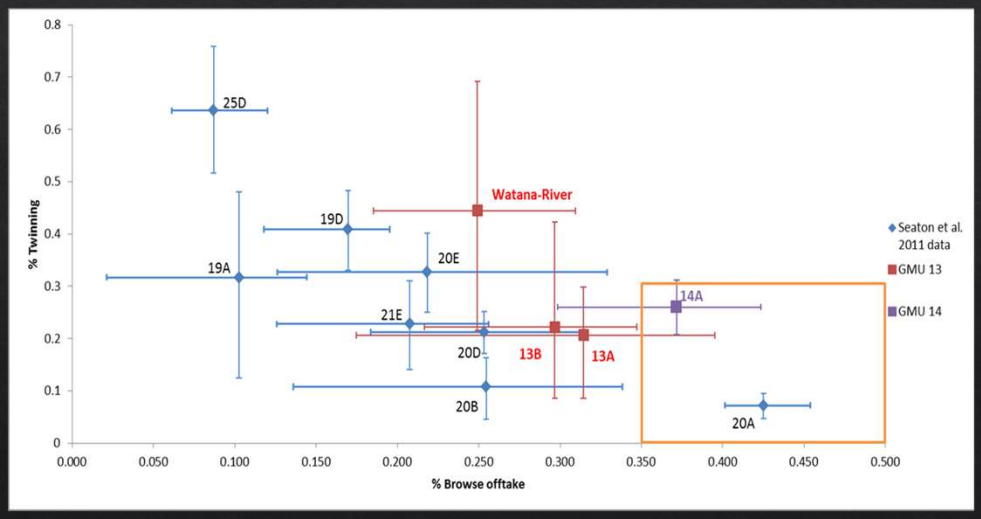
224-10

51

Proposal 224

Moose / Unit 14A &14B

Results of 2016 Unit 14A Browse Survey and Twinning Rate



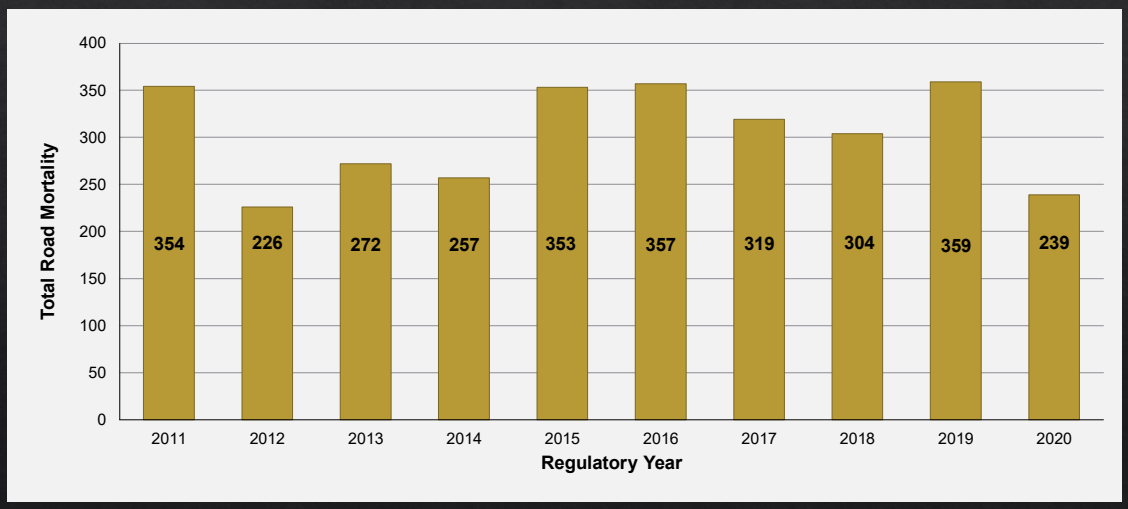
224-11

52

Proposal 224

Moose / Unit 14A &14B

Minimum Moose-Vehicle Collisions in Units 14A & 14B, RY2011 – 2020



224-12

53

Proposal 224

Moose / Unit 14A & 14B

Unit 14A, AM415 Permit Levels, Participation and Success, RY2011 – 2020

AM415	Permits	Females harvested	Males harvested	Success
2011	50	34	10	88%
2012	198	121	22	72%
2013	130	94	15	83%
2014	20	9	0	45%
2015	145	81	26	74%
2016	120	82	13	79%
2017	0	0	0	~~
2018	0	0	0	~~
2019	0	0	0	~~
2020	0	0	0	~~

224-13

54

Proposal 224 — Moose / Unit 14A &14B

Summary

- Population estimate for 14A is 7,112 (± 711) as of Dec 2020
- 1,019 permits offered last 2 years, participation rate 85%, success rate about 59%
- Twinning Rate in 2021 was 15%
- Browse surveys in 2016 show a large amount of browse removal
- Complaints about lack of moose
- The number of permits offered has been decreased to adjust for the reduction in the population (800 permits for RY21)

224-14

55

Proposal 224 — Moose / Unit 14A &14B

Reauthorize the antlerless moose draw permits in Unit 14A and 14B

Department Proposal

Department Recommendation: Support

Mat Valley AC
Su Valley AC

224-15

56

Proposal 80

Moose / Unit 14A

Create a resident youth draw hunt for any bull in Unit 14A. Season dates would be August 20 – September 25 and November 15 – January 31. Up to 50 permits may be issued.

Public Proposal

Department Recommendation: Neutral

Mat Valley AC

80-1

57

Proposal 80

Moose / Unit 14A

Current Regulations for Unit 14A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 antlerless moose by drawing permit only; up to 2,000 permits may be issued	Aug. 25 – Sept. 25 Nov. 1 – Dec. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 200 permits may be issued	Winter season to be announced by emergency order	No open season

80-2

58

Proposal 80

Moose / Unit 14A

Proposed Regulations for Unit 14A

- For youth hunters 10 – 17
- Must be accompanied by adult ≥ 21
- Bag limit counts against both
- Both wear hunter orange and have hunter ed.
- Up to 50 permits offered
- Season dates: Aug. 20 – Sept. 25 and Nov. 15 – Jan 31

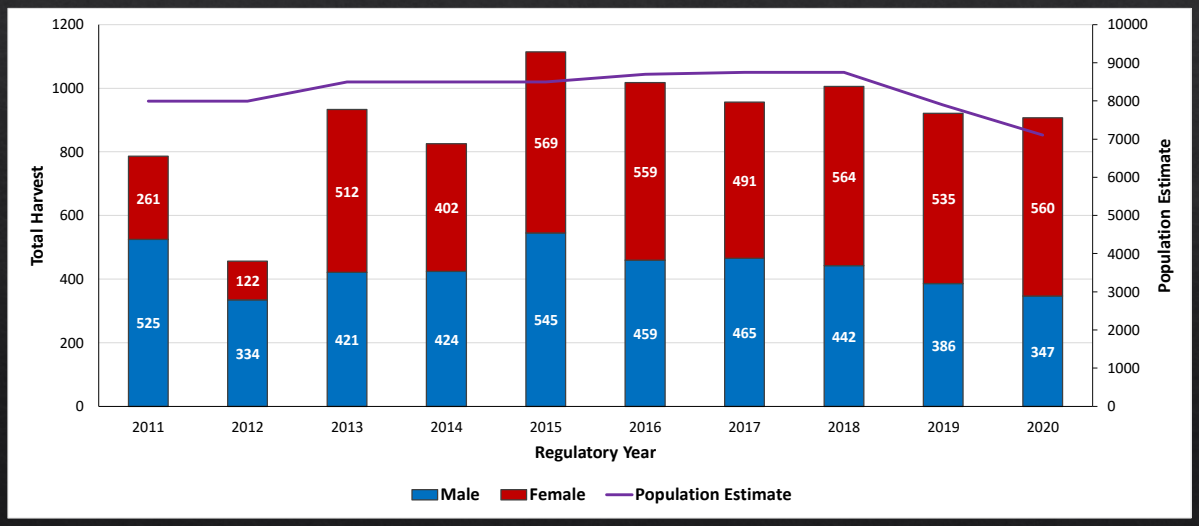
80-3

59

Proposal 80

Moose / Unit 14A

Unit 14A Moose Harvest, RY2011 – 2020



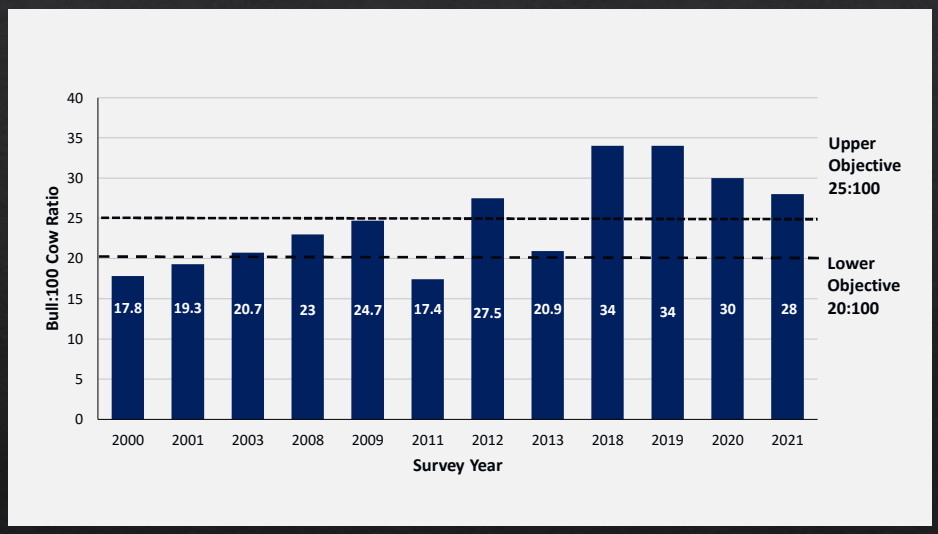
80-4

60

Proposal 80

Moose / Unit 14A

Unit 14A Bull:100 Cow Ratios, RY2000 – 2020



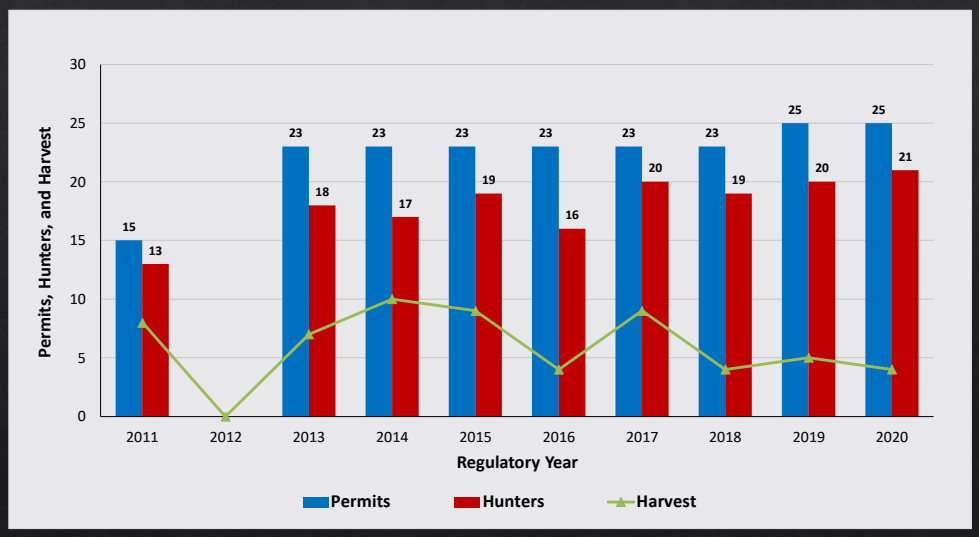
80-5

61

Proposal 80

Moose / Unit 14A

YM412 Hunter Participation and Harvest, RY2011 – 2020



80-6

62

Proposal 80 — Moose / Unit 14A

Summary

- **Proposal is for 20 August**; Other seasons start August 25
- Concerns with sex ID after 10 December
- Had any bull draw hunts RY95-RY98 with 70–130 permits
- Bull to cow ratio fluctuates between 17.4 – 34:100 cows; most recently 28.
- Other youth hunt YM412, Pt. Mac averages 19 permits, participation 86%, success of participants 46%
- Last GSPE 7,112 (± 711); pop. Obj. 6,000 – 6,500

80-7

63

Proposal 80 — Moose / Unit 14A

Create a resident youth draw hunt for any bull in Unit 14A. Season dates would be August 20 – September 25 and November 15 – January 31. Up to 50 permits may be issued.

Public Proposal

Department Recommendation: Neutral

Mat Valley AC

80-8

64

Proposal 226

Moose / Unit 14A

Establish an any-bull moose draw hunt in Unit 14A with season start of 25 August

Public Proposal

Department Neutral

Mat Valley AC

226-1

65

Proposal 226

Moose / Unit 14A

Current Regulations for Unit 14A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 antlerless moose by drawing permit only; up to 2,000 permits may be issued	Aug. 25 – Sept. 25, Nov. 1 – Dec. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 200 permits may be issued	Winter season to be announced by emergency order	No open season

226-2

66

Proposal 226

Moose / Unit 14A

Proposed Regulation for Unit 14A

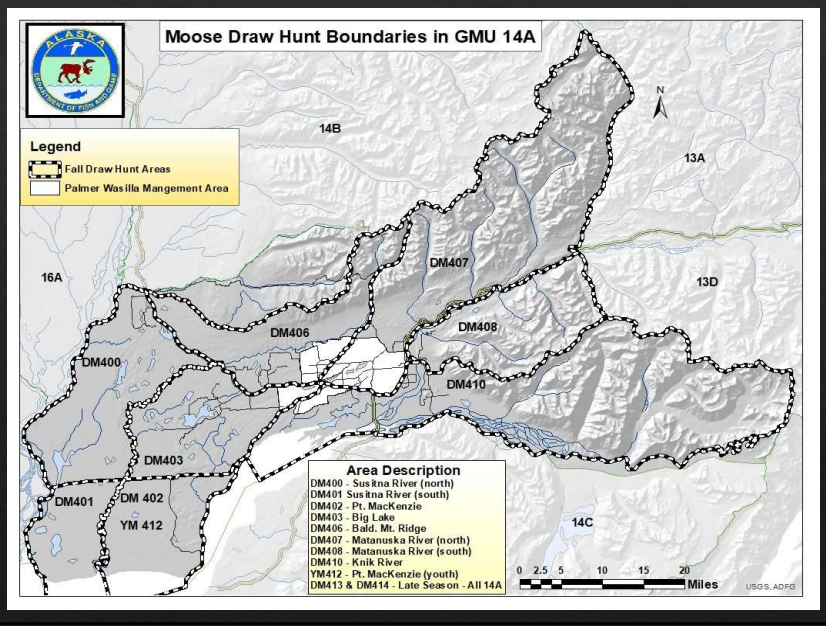
- Draw permit for residents only with 1 antlered bull bag limit
- Season Dates August 25 – September 25
- Up to 10 permits in each of the areas currently in use for the fall antlerless season
  - DM400, DM401, DM402, DM403, DM406, DM407, DM408, DM410, YM412
- Up to 90 total permits for the unit

226-3

67

Proposal 226

Moose / Unit 14A



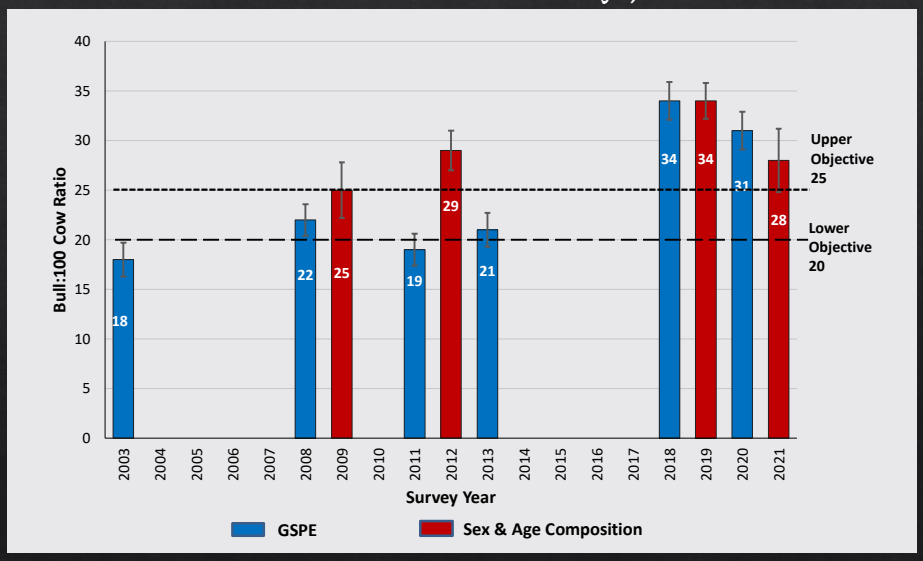
226-4

68

Proposal 226

Moose / Unit 14A

Bull to 100 Cow ratios from surveys, 2003 – 2021



226-5

69

Proposal 226

Moose / Unit 14A

Things to consider

- DM402 and YM412 occur in the same geographic area which may present issues
- Historically difficult to keep within 20-25 objective (late season any bull hunts ended in RY98)
- Difficult to fine tune permit levels but could be done based on success rates and overall B:C ratios.

226-6

70

Proposal 226

Moose / Unit 14A

Establish an any-bull moose draw hunt in Unit 14A with season start of 25 August

Public Proposal

Department Neutral

Mat Valley AC

226-7

71

Proposal 81

Moose / Unit 14A & 14B

Allow additional use of muzzle loader or black powder cartridge to weapons allowed in targeted hunt AM415

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

81-1

72

Proposal 81

Moose / Unit 14A & 14B

Current Regulations for Unit 14A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 antlerless moose by drawing permit only; up to 2,000 permits may be issued	Aug. 25 – Sept. 25 Nov. 1 – Dec. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 200 permits may be issued	Winter season to be announced by emergency order	No open season

81-2

73

Proposal 81

Moose / Unit 14A &14B

Current Regulations for Unit 14B

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 25 – Sept. 25	Aug. 25 – Sept. 25
1 bull by draw permit only; up to 100 permits may be issued	Aug. 25 – Sept. 25	No open season
1 moose by targeted permit only; by crossbow, shotgun, or bow and arrow only; up to 100 permits may be issued	Winter season to be announced by emergency order*	No open season

*RY2015 is the only year AM415 was used in Unit 14B. 5 bulls were harvested.

81-3

74

Proposal 81

Moose / Unit 14A &14B

Proposed Regulations for Units 14A & 14B

- Adds the use of muzzle loader or black powder cartridge long guns to the targeted hunt

Definitions are as follows:
Muzzle-loader: muzzle-loading rifles must be .54 caliber or larger, or at least .45 caliber with a 300 grain or larger elongated slug;

Black Powder cartridge rifles: must fire a 400-grain bullet or larger loaded with a minimum of 70 grains of black powder or equivalent (.45-70 with a 400-grain bullet or a .44-90 with a 550-grain bullet).

81-4

75

Proposal 81

Moose / Unit 14A & 14B

AM415 Permit Levels, Participation and Success, RY2011 - 2020

AM415	Permits	Moose harvested	Success
2011	50	44	88%
2012	198	142	72%
2013	130	108	83%
2014	20	9	45%
2015	145	107	74%
2016	120	95	79%
2017	0	0	~~
2018	0	0	~~
2019	0	0	~~
2020	0	0	~~

81-5

76

Proposal 81 — Moose / Unit 14A & 14B

Things to consider

- Bow and arrow, cross bow, or shotgun with slugs allowed
- Requires appropriate Hunter Ed training
- Rifles not allowed due to ballistics, may not be an issue with black powder; similar to a shotgun with slugs
- Would use the same definitions of muzzleloader and black powder cartridge rifles as the Delta Bison Hunt
- Permit levels depend on snow levels and number of MVCs reported
- Some concern with the ability to follow up if a second shot is needed.

81-6

77

Proposal 81 — Moose / Unit 14A & 14B

Allow additional use of muzzle loader or black powder cartridge to weapons allowed in targeted hunt AM415

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

81-7

78

Proposal 82 — Moose / Unit 14A, 14B, & 16A

Extend the archery only seasons in Units 14A, 14B, & 16A by 2 days.

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

82-1

79

Proposal 82 — Moose / Unit 14A, 14B, & 16A

Current Regulations for Unit 16A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17*	Aug. 10 – Aug. 17*
1 bull (SF/50/3BT)	Aug. 20 – Sept. 25	Aug. 20 – Sept. 25
1 bull by drawing permit only; up to 50 permits may be issued	Aug. 20 – Sept. 25	No open season

* This proposal would change season dates for Units 14A, 14B, and 16A to Aug. 10 – Aug. 19

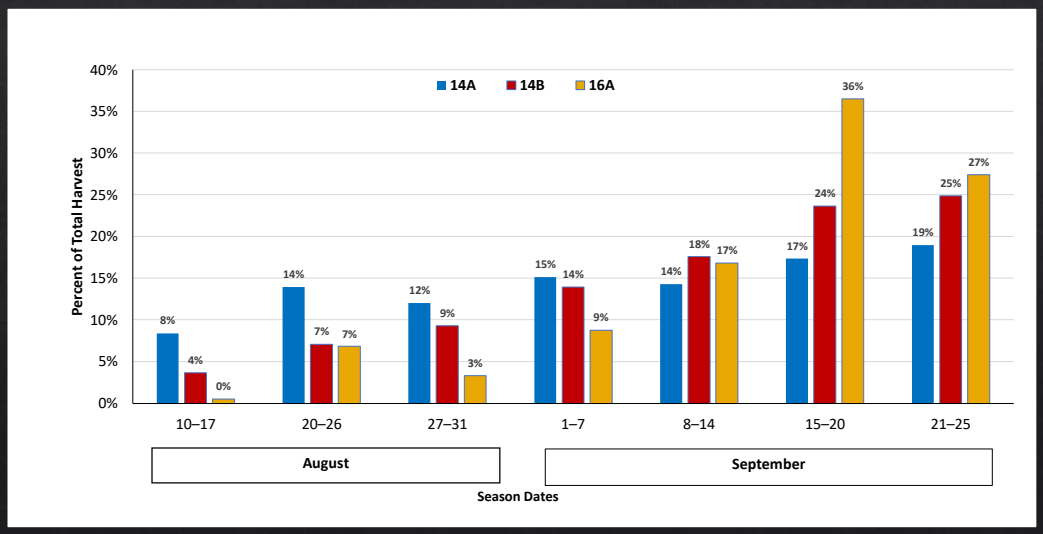
82-2

80

Proposal 82

Moose / Unit 14A, 14B, & 16A

Moose Harvest Chronology in Units 14A, 14B, & 16A, RY2016 – 2020



82-3

81

Proposal 82

Moose / Unit 14A, 14B, & 16A

Summary

- Archery only seasons were adopted in 14B and 16A in RY95 and in 14A in RY98.
- 12% of moose harvested in 14A are taken by bow and arrow, 4% in 14B and 2% in 16A
- On average 75% of archery moose are taken during the archery only season.
- This is not expected to have a large impact
- Example; 14A, avg. 459 bulls * 9% = 41/ 8-day season = 5/day or 10 additional bulls under this proposal

82-4

82

Proposal 82 — Moose / Unit 14A, 14B, & 16A

Extend the archery only seasons in Units 14A, 14B, & 16A by 2 days.

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

82-5

83

Proposal 83 — Moose / Unit 16A

Change the bag limit in Unit 16A by removing the 50" component of SF50 or 3 brow tines on one side

Public Proposal

Department Recommendation: Opposed

Su Valley AC

83-1

84

Proposal 83

Moose / Unit 16A

Current Regulations for Unit 16A

Bag limits	Resident Open Season	Nonresident Open Season
1 bull (SF/50/3BT) by bow and arrow only	Aug. 10 – Aug. 17	Aug. 10 – Aug. 17
1 bull (SF/50/3BT)	Aug. 20 – Sept. 25	Aug. 20 – Sept. 25
1 bull by drawing permit only; up to 50 permits may be issued	Aug. 20 – Sept. 25	No open season

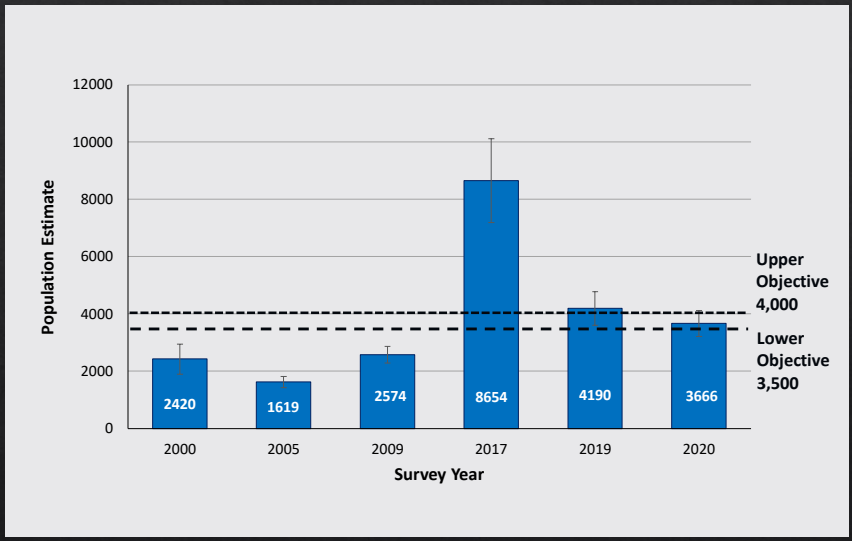
83-2

85

Proposal 83

Moose / Unit 16A

Unit 16A Moose Population, RY2000 – 2020



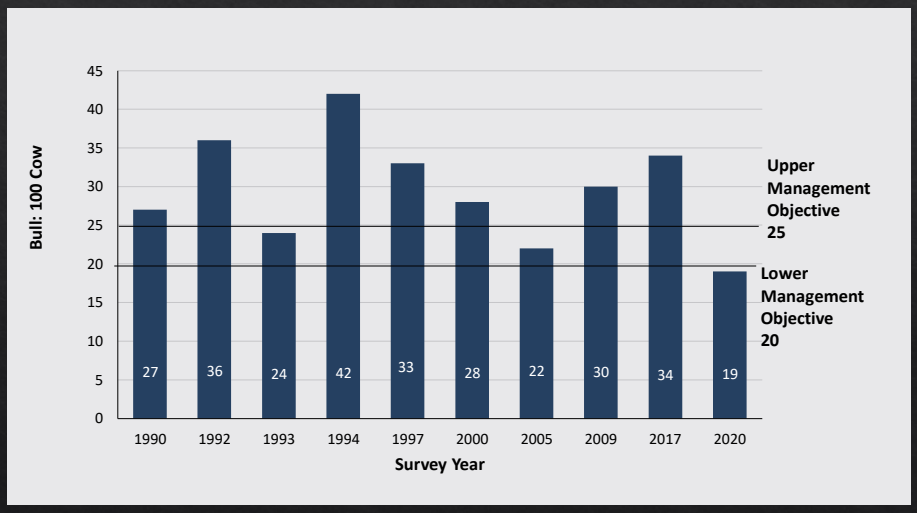
83-3

86

Proposal 83

Moose / Unit 16A

Unit 16A Bull: 100 Cow ratios, RY1990 – 2020



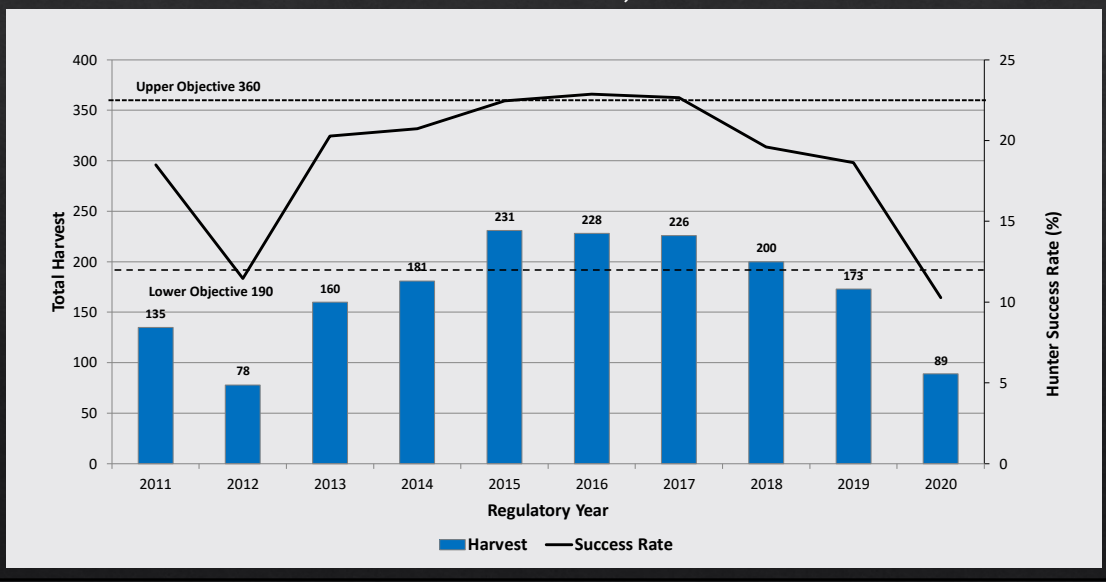
83-4

87

Proposal 83

Moose / Unit 16A

Unit 16A Moose Harvest, RY2011 - 2020



83-5

88

Proposal 83 — Moose / Unit 16A

Things to consider

- 16A went to SF50 in RY93
- Not counting Spikes and Forks, over the past 5 years 30% of moose taken were over 50" but did not have at least 3 brow tines on one side
- DPS reported an average of 7 citations for sublegal moose in 14A, 14B, 16A, and 16B during RY15 through RY17
- Average harvest for past 5 years was 179; harvest objective is 190 – 360
- Adoption may result in reduced opportunity and more difficulty achieving harvest objective

83-6

89

Proposal 83 — Moose / Unit 16A

Change the bag limit in Unit 16A by removing the 50" component of SF50 or 3 brow tines on one side

Public Proposal

Department Recommendation: Opposed

Su Valley AC

83-7

90

Proposal 84

Moose / Unit 16B

Create an antlerless draw hunt for residents in Unit 16B. Season dates would be Aug 20 – Sept 25, and Nov 15 – Jan 31.

Dept Proposal

Department Recommendation: Support

Mt Yenlo AC
Su Valley AC
Tyonek AC

84-1

91

Proposal 84

Moose / Unit 16B

Bull Surplus	Hunt Type	Resident Season	Nonresident Season
<199	Tier II (up to 400 permits; SF/50/3BT)	Aug 20 – Sept 30 for permits; no general season	No open season
199 ≥ 240	Tier II (up to 260 permits); 1 bull	Dec. 15 – Mar. 31	
	Gen. Harvest (SF/50/3BT)	Sept. 1 – Sept. 20	No open season
> 240	Tier II (up to 260 permits); 1 bull	Dec. 15 – Mar. 31	
	Gen. Harvest (SF/50/3BT)	Aug. 20 – Sept. 25	Aug. 20 – Sept. 25
>310 (all the above plus)	1 bull by draw permit; up to 600 permits w/ 75%/25% youth split	Aug. 20 – Sept. 25, and Nov. 15 – Jan 31 for youth	No nonresident permits
	1 bull by draw permit; up to 500 permits	Dec. 15 – Last day of Feb.	
	1 bull by registration permit	Dec. 15 – Last day of Feb.	

84-2

92

Proposal 84

Moose / Unit 16B

What this proposal would do

- Add a draw hunt with a one antlerless moose bag limit
- For residents only
- Season Dates: Aug. 20 – Sept. 25 and Nov. 15 – Jan 31
- Up to 300 permits may be issued

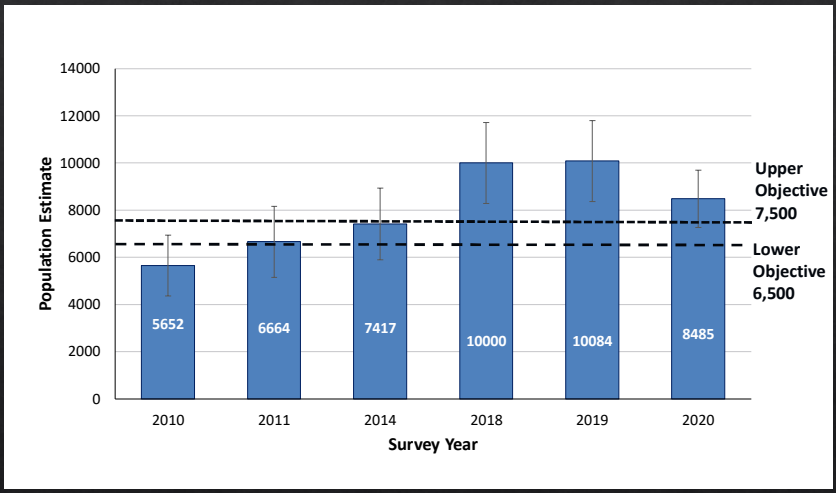
84-3

93

Proposal 84

Moose / Unit 16B

Unit 16B Moose Population, RY2010 – 2020



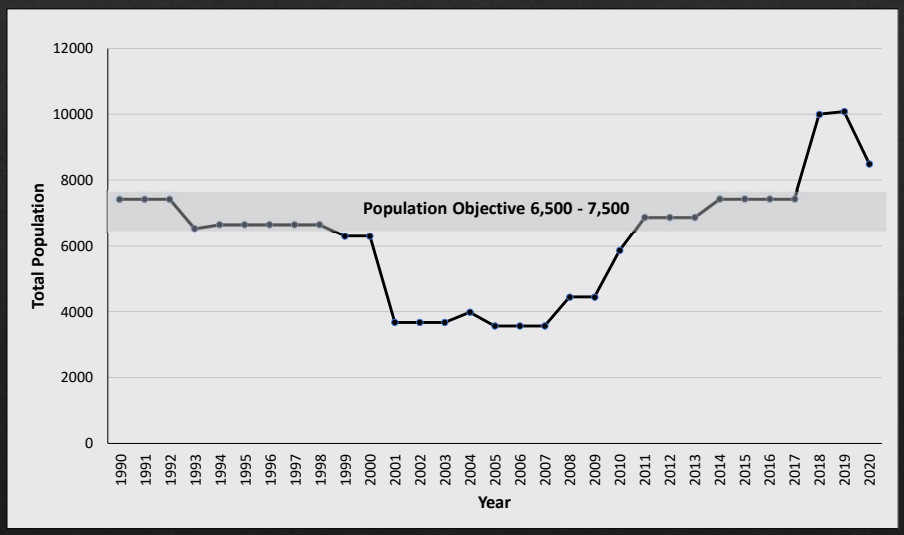
84-4

94

Proposal 84

Moose / Unit 16B

Unit 16B Moose Population, RY1990 – 2020



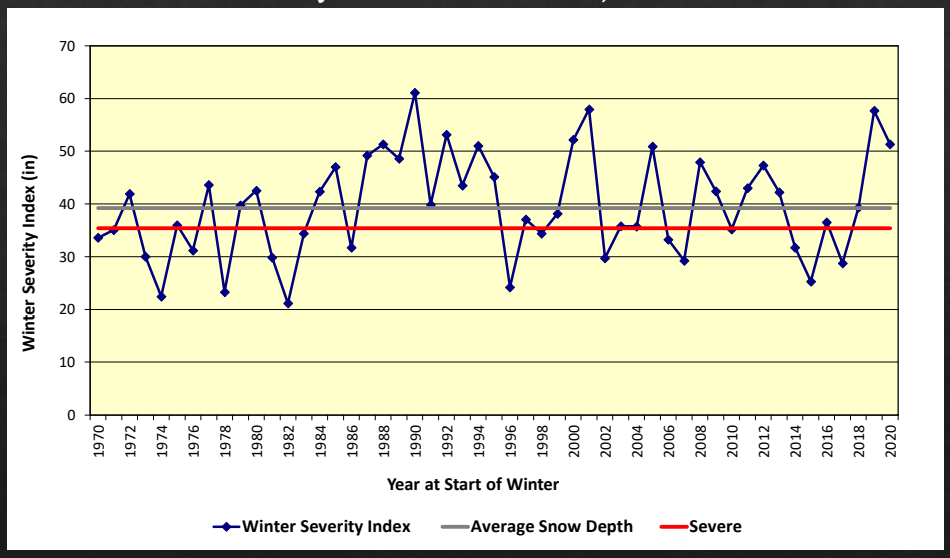
84-5

95

Proposal 84

Moose / Unit 16B

Winter severity index for Unit 16B, 1970 – 2020



84-6

96

Proposal 84

Moose / Unit 16B

Survey Unit	IM Population Objective proportional to area (midpoint)	Recent Moose Population Estimate (and year of survey)	Percent Recovery to Objective Midpoint	Bull: 100 Cow Ratio (and year of est.)
16B-North	1,820–2,100 (1,960)	1,671 (2019)	85%	60 (2014)
16B-Middle	3,120–3,600 (3,360)	3,740 (2020)	111%	28 (2020)
16B-South	1,560–1,800 (1,680)	3,074 (2018)	183%	32 (2019)
Unit 16B	6,500–7,500 (7,000)	8,485	121%	34

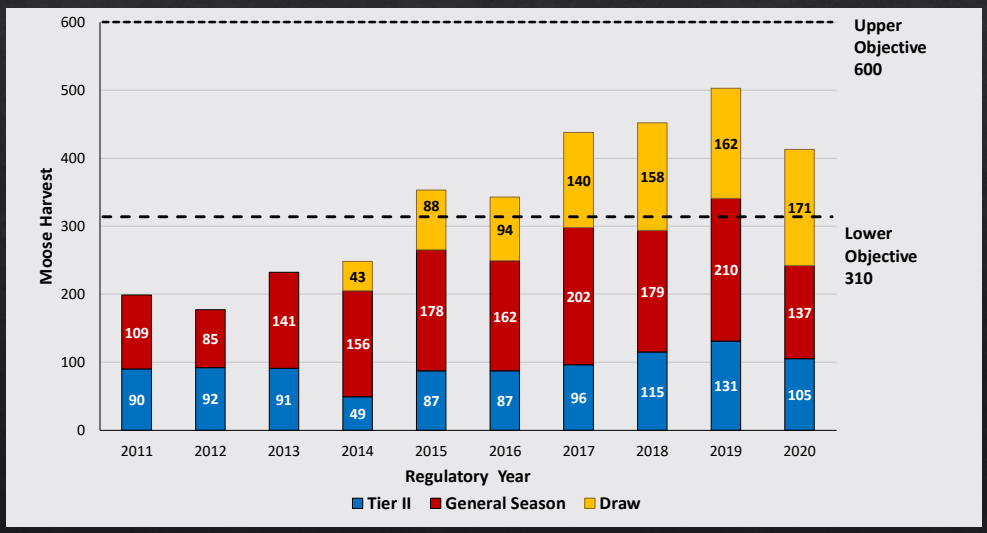
84-7

97

Proposal 84

Moose / Unit 16B

Unit 16B Moose Harvest, RY2011 – 2020



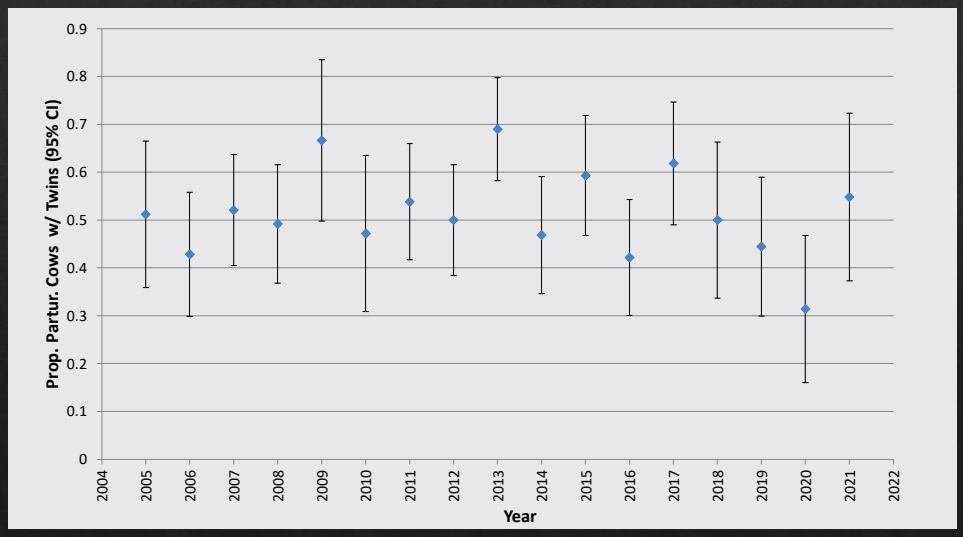
84-8

98

Proposal 84

Moose / Unit 16B

Unit 16B Radio collared cow twinning rate, 2004 – 2021



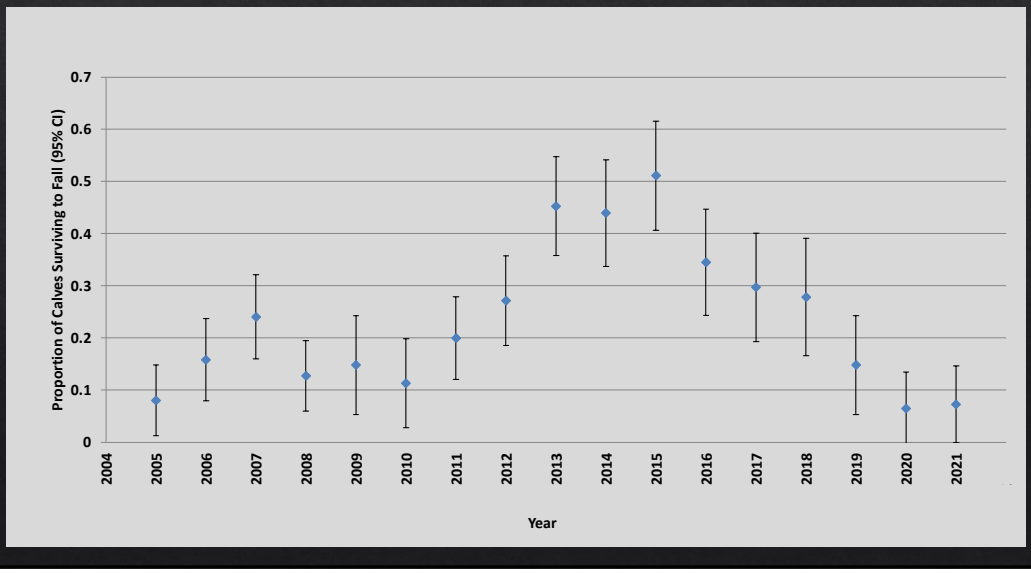
84-9

99

Proposal 84

Moose / Unit 16B

Unit 16B calf survival to fall, 2004– 2021



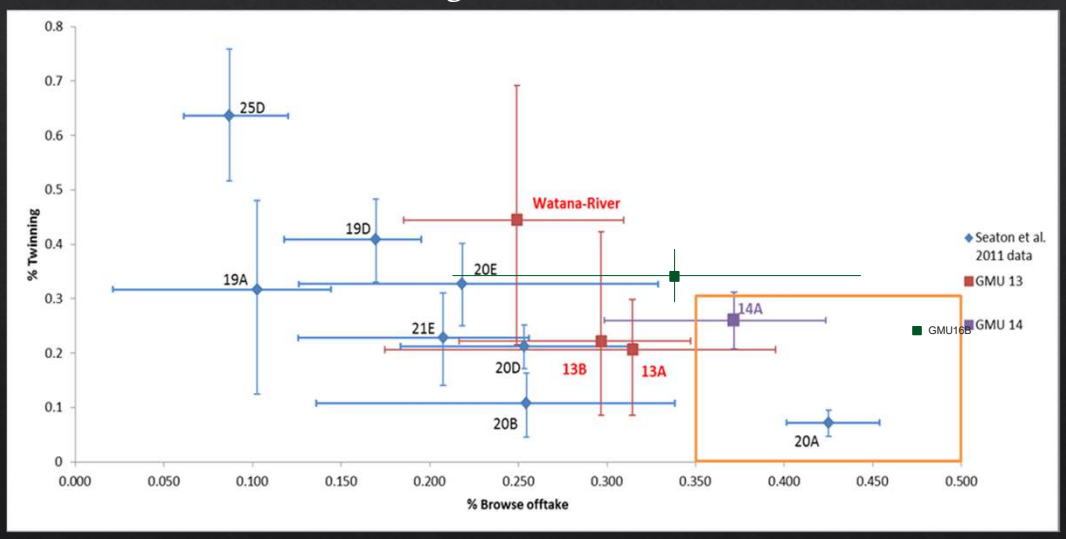
84-10

100

Proposal 84

Moose / Unit 16B

Browse offtake and twinning rate for Unit 16B and other GMU's



84-11

101

Proposal 84

Moose / Unit 16B

Summary

- Population estimate as of Dec. 2020 is 8,485 moose, pop. Obj. is 6,500 – 7,500
- Harvest within objective of 310 – 600 since 2015
- Currently have SF50, Tier I, and any bull draw hunts, DM 450 – 225 permits, YM451 – 75 permits & DM560 – 10 permits
- Further bull opportunity would not address population concerns
- Browse offtake in 16B was 36%

84-12

102

Proposal 84 — Moose / Unit 16B

Summary continued

- Calf survival went from 8% in 2005 to 51% in 2015, back down to 7.3% this fall
- Twinning rate averages 51%; 55% this year

84-13

103

Proposal 84 — Moose / Unit 16B

Create an antlerless draw hunt for residents in Unit 16B. Season dates would be Aug 20 – Sept 25, and Nov 15 – Jan 31.

Dept Proposal

Department Recommendation: Support

Mt Yenlo AC
Su Valley AC
Tyonek AC

84-14

104

Proposal 85

Moose / Unit 16B

Establish a Registration Permit Hunt for bull moose limited to Resident Certified Bowhunters in Unit 16B

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Tyonek AC

85-1

105

Proposal 85

Moose / Unit 16B

Bull Surplus	Hunt Type	Resident Season	Nonresident Season
<199	Tier II (up to 400 permits; SF/50/3BT)	Aug 20 – Sept 30 for permits; no general season	No open season
199 ≥ 240	Tier II (up to 260 permits); 1 bull	Dec. 15 – Mar. 31	
	Gen. Harvest (SF/50/3BT)	Sept. 1 – Sept. 20	No open season
> 240	Tier II (up to 260 permits); 1 bull	Dec. 15 – Mar. 31	
	Gen. Harvest (SF/50/3BT)	Aug. 20 – Sept. 25	Aug. 20 – Sept. 25
>310 (all the above plus)	1 bull by draw permit; up to 600 permits w/ 75%/25% youth split	Aug. 20 – Sept. 25, and Nov. 15 – Jan 31 for youth	No nonresident permits
	1 bull by draw permit; up to 500 permits	Dec. 15 – Last day of Feb.	
	1 bull by registration permit	Dec. 15 – Last day of Feb.	

85-2

106

Proposal 85

Moose / Unit 16B

What this proposal would do

- Add a registration hunt with a one bull moose bag limit
- For residents only
- Certified Bowhunters only
- Season Dates: Aug. 20 – Sept. 25
- Would only apply when the harvestable surplus of bulls is >310 moose

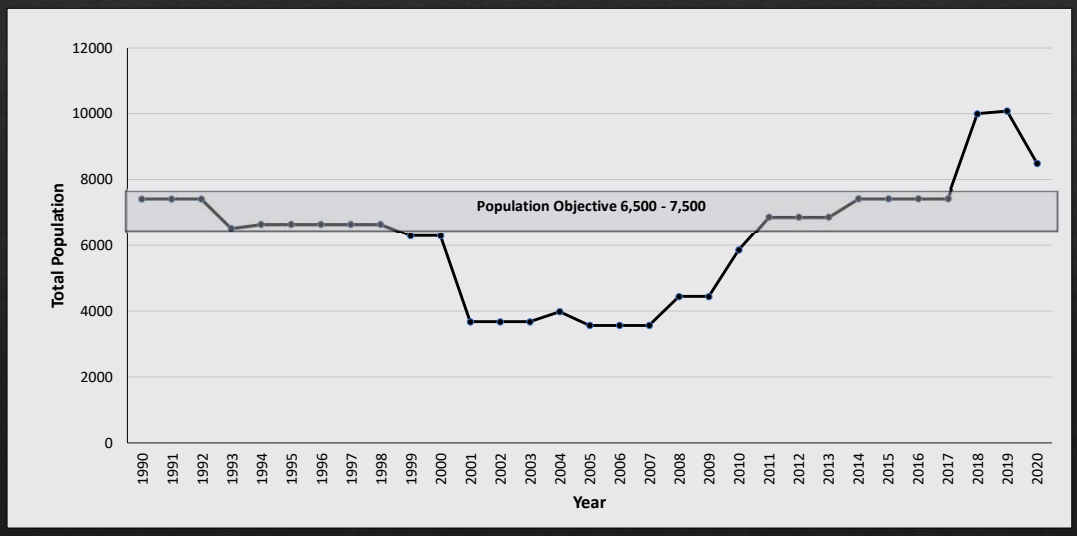
85-3

107

Proposal 85

Moose / Unit 16B

Unit 16B Moose Population, RY1990 – 2020



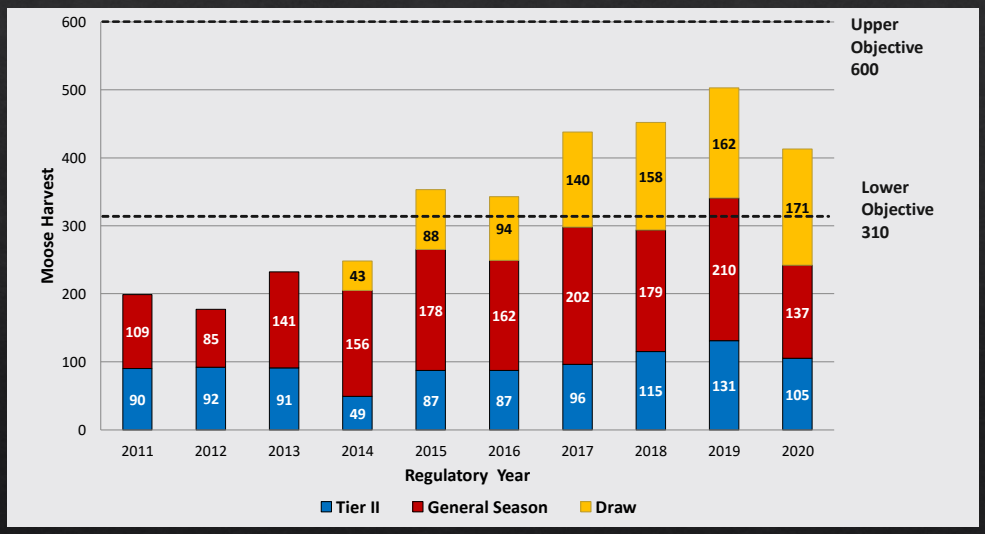
85-4

108

Proposal 85

Moose / Unit 16B

Unit 16B Moose Harvest, RY2011 – 2020



85-5

109

Proposal 85

Moose / Unit 16B

Unit 14C, RM445 Moose Participation &Harvest, RY 2011 - 2020

RM445	Permits Issued	Hunters	Harvest	Participation (%)	Successful (%)
2011	276	140	5	51%	4%
2012	295	173	3	59%	2%
2013	295	171	3	58%	2%
2014	272	131	3	48%	2%
2015	319	191	2	60%	1%
2016	194	80	8	41%	10%
2017	263	164	3	62%	2%
2018	236	118	6	50%	5%
2019	279	140	6	50%	4%
2020	277	126	10	45%	8%
Average	**271**	**129**	**5**	**48%**	**4%**

RM445, Eklutna Lake
Any Bull
Sept.1 – Oct. 20

85-6

110

Proposal 85 — Moose / Unit 16B

Summary

- There currently is no archery only season in the unit.
- Pop. Estimate ≥ 8,485 moose; Pop. objective is 6,500 – 7,500
- Average harvest RY15 – 19 = 422; Harvest objective is 310 – 600
- Archers took 31 moose in the unit in the last 5 years.

85-7

111

Proposal 85 — Moose / Unit 16B

Establish a Registration Permit Hunt for bull moose limited to Resident Certified Bowhunters in Unit 16B

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Tyonek AC

85-8

112

Proposal 86 — Dall Sheep / Unit 14A

Change 14A sheep draw permit bag limit from one [ANY RAM] to: One ram with Full-curl horn or larger, both horn tips broken or 8 years old or older.

AC Proposal

Department Recommendation: Neutral

Mat Valley AC

86-1

113

Proposal 86 — Dall Sheep / Unit 14A

Current Regulation

- Bag Limit is any ram
- Area split into 3 sub-areas
- Season dates Aug. 10–25 or Aug. 26–Sept. 20
- Up to 100 Permits available (currently 53 permits annually)
- 10% of permits allocated to non-residents

What this proposal would do

- Change the bag limit to one ram with full curl horns or larger, both horn tips broken or 8 years old

86-2

114

Proposal 86

Dall Sheep / Unit 14A

Background

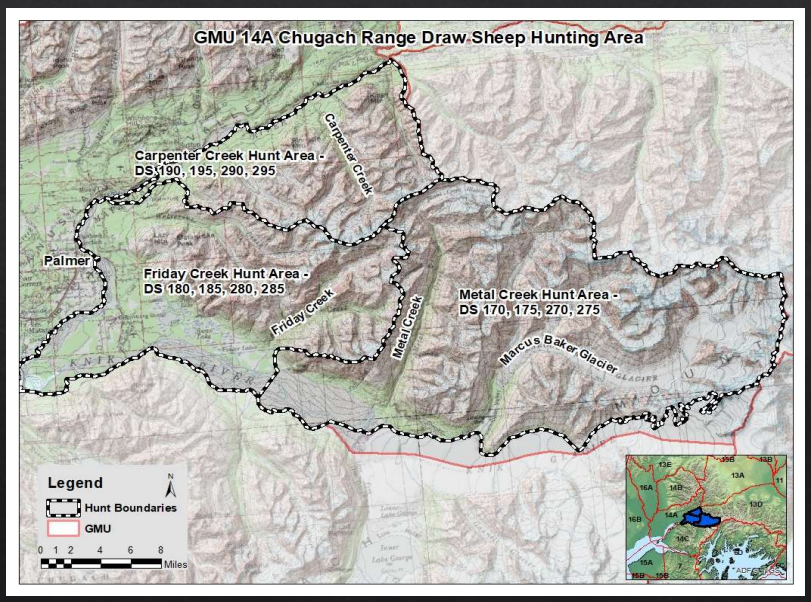
- The area went from general season full curl bag limit to draw and any ram starting in RY08
- The initial reason for going to a draw hunt was to address crowding
- Current structure very popular, RY20 – 7,321 Applicants for 53 permits; 2nd only to TMA

86-3

115

Proposal 86

Dall Sheep / Unit 14A



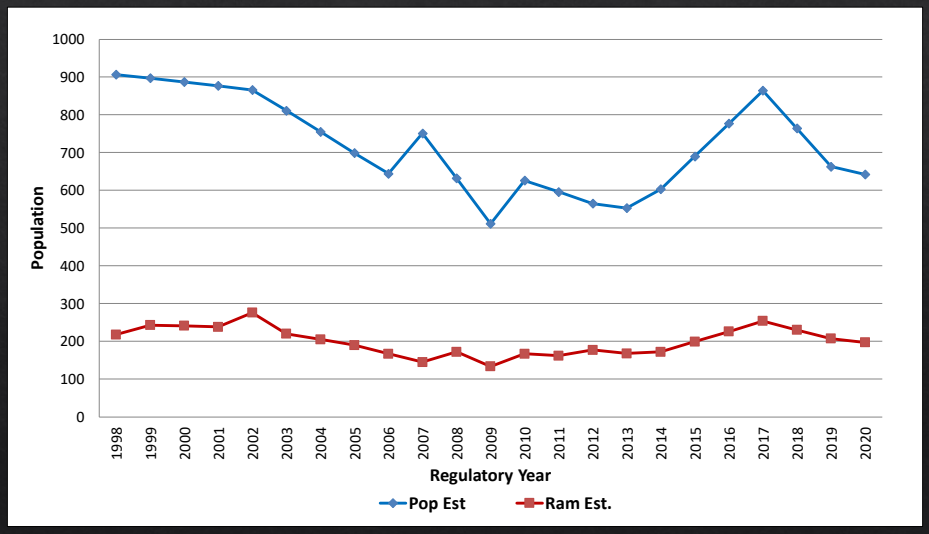
86-4

116

Proposal 86

Dall Sheep / Unit 14A

14A Chugach Sheep Population



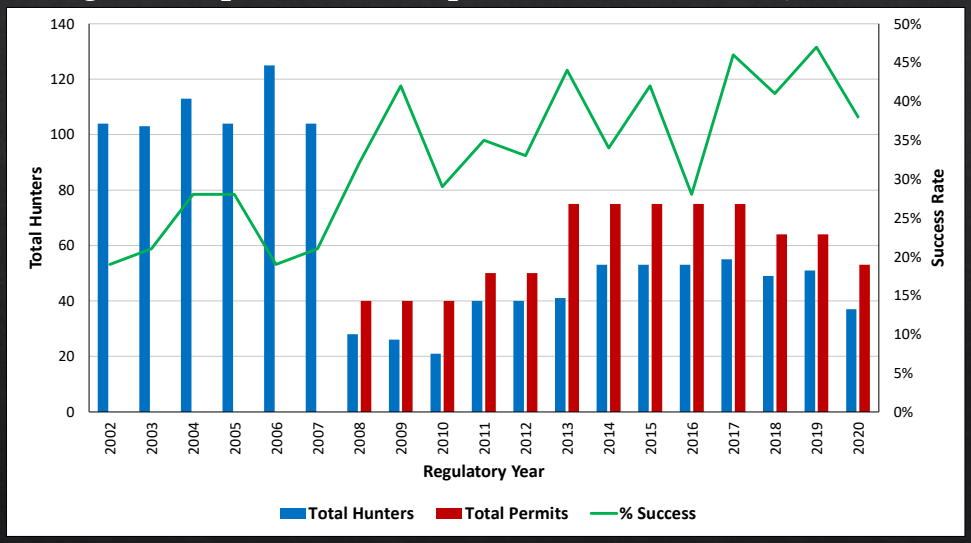
86-5

117

Proposal 86

Dall Sheep / Unit 14A

Unit 14A Chugach Sheep Hunter Participation and Success Rate, RY2002 – 2020



86-6

118

Proposal 86

Dall Sheep / Unit 14A

Survey and Corresponding Harvest 1998 – 2020

Survey Year	Total Rams Observed	≥ Full curl Rams Observed	≥ Full curl Harvested	% Full curl Harvested*	Sub-full curl Observed	Sub-full curl Harvested	% Sub-full curl Harvested
1998	218	28	38	136%	190	0	0%
2002	276	19	32	168%	257	0	0%
2006	167	26	35	135%	141	0	0%
2007	145	18	34	189%	127	0	0%
2009	134	8	0	0%	126	11	9%
2010	167	14	3	21%	153	3	2%
2012	177	16	5	31%	161	8	5%
2013	168	11	7	64%	157	11	7%
2014	172	13	9	69%	155	9	6%
2017	254	14	7	50%	240	18	8%
2019	207	10	4	40%	197	20	10%
2020	197	14	2	14%	183	12	7%

*Percent full curl harvested is based on the number of full-curls seen during surveys prior to the hunting season

86-7

119

Proposal 86

Dall Sheep / Unit 14A

Summary

- Any Ram Draw Hunt began in RY08
- RY02 – RY07 avg. harvest = 21, RY15 – RY 19 avg. harvest = 19
- Nearly all full curl rams were harvested annually in the last 5 years of the general season, now full curl averages 41%
- Amount of full curl rams observed in surveys has not increased since the change in hunt structure

86-8

120

Proposal 86 — Dall Sheep / Unit 14A

Summary continued

- Permit levels adjusted to population and success rates
- Any ram opportunity is popular for those that receive the permits

86-9

121

Proposal 86 — Dall Sheep / Unit 14A

Change 14A sheep draw permit bag limit from one [ANY RAM] to: One ram with Full-curl horn or larger, both horn tips broken or 8 years old or older.

AC Proposal

Department Recommendation: Neutral

Mat Valley AC

86-10

122

Proposal 87 — Dall Sheep / Unit 14A

Change the bag limit and open portion of hunt to archery only, for Dall Sheep in 14A

Public Proposal

Department Recommendation: Neutral

Mat Valley AC

87-1

123

Proposal 87 — Dall Sheep / Unit 14A

Current Regulation

- Bag Limit is any ram
- Area split into 3 sub-areas
- Season dates Aug. 10–25 or Aug. 26–Sept. 20
- Up to 100 Permits available (currently 53 permits annually)
- 10% of permits allocated to non-residents

What this proposal would do

- Change early season hunt to archery only
- Shift 50% of permits to early season archery
- Retain bag limit of any ram for archers
- Revert late season hunt bag limit to full curl and any weapon

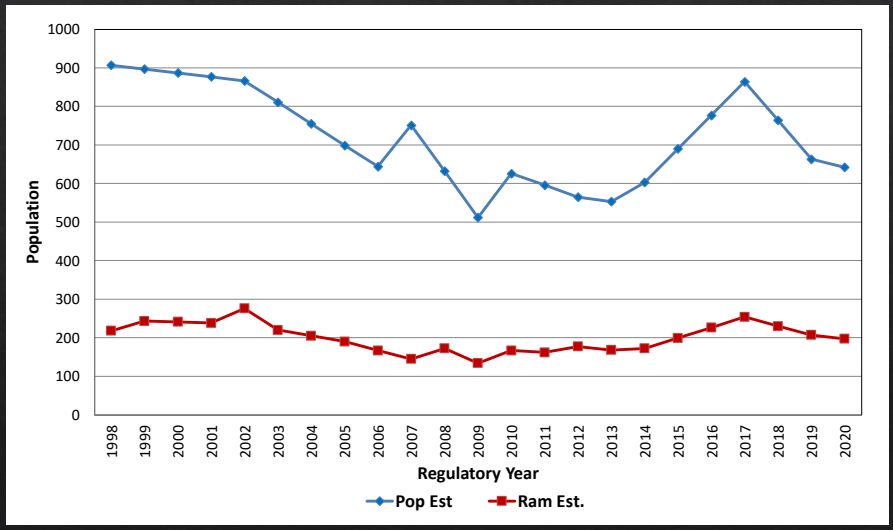
87-2

124

Proposal 87

Dall Sheep / Unit 14A

14A Chugach Sheep Population



87-3

125

Proposal 87

Dall Sheep / Unit 14A

Unit 14C, DS140 + DS 141 Participation and Harvest, RY2011 – 2020

Reg Year	Permits	Hunted	Harvest	Participation	Success Rate
2011	83	42	5	51%	12%
2012	81	35	0	43%	0%
2013	82	51	5	62%	10%
2014	81	43	3	53%	7%
2015	81	39	2	48%	5%
2016	82	55	4	67%	7%
2017	81	50	8	62%	16%
2018	81	54	5	67%	9%
2019	81	54	6	67%	11%
2020	81	56	7	69%	13%
Average	**81.4**	**48**	**4.5**	**59%**	**9%**

87- 4

126

Proposal 87 — Dall Sheep / Unit 14A

Summary

- Any Ram Draw Hunt began in RY08
- RY02 – RY07 harvest avg. = 21, RY15 – RY19 harvest avg. =19
- Nearly all full curl rams were harvested annually in the last 5 years of the general season, now full curl averages 41%
- Amount of full curl rams observed in surveys has not increased since the change in hunt structure

87-5

127

Proposal 87 — Dall Sheep / Unit 14A

Summary continued

- Any ram opportunity is popular for those that receive the permits
- Given the low success rates of bow hunters permit levels would need to be adjusted that may result in crowding issues.

87-6

128

Proposal 87 — Dall Sheep / Unit 14A

Change the bag limit and open portion of hunt to archery only, for Dall Sheep in 14A

Public Proposal

Department Recommendation: Neutral

Mat Valley AC

87-7

129

Proposal 88 — Dall Sheep / Units 14A & 14B

Establish bow and arrow only sheep season for residents and non-residents; Aug 1 – 9,in units 14A remainder and 14B

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

88-1

130

Proposal 88

Dall Sheep / Units 14A & 14B

Current Regulation

- Bag limit one ram with full curl horns or larger, both horn tips broken or 8 years old.
- Season dates August 1 – August 5 for youth only. Non-residents every 4 regulatory years.
- Season dates August 10 – September 20. Non-residents every 4 regulatory years.

What this proposal would do

- Create an archery only season with season dates of August 1 – August 9

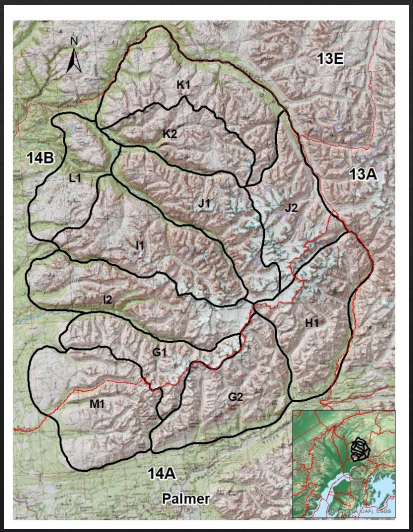
88-2

131

Proposal 88

Dall Sheep / Units 14A & 14B

14A & 14B Talkeetna Sheep Survey Areas



88-3

132

Proposal 88

Dall Sheep / Units 14A & 14B

Units 14A (remainder) Count Areas G2 and H1 Population, RY2006 – 2020

Regulatory Year	Full Rams	<Full Rams	Total Rams	Ewes	Lambs	Unkn. Sex	Total
2006	10	36	46	119	40	0	205
2009	3	39	42	131	30	3	206
2014	8	61	69	129	27	7	232
2015	4	38	42	80	37	7	166
2018	4	48	52	81	15	1	149
2019	5	54	59	113	61	2	235
2020	6	64	70	86	11	0	167
2006–2020 average	**5**	**52**	**57**	**110**	**32**	**3**	**202**

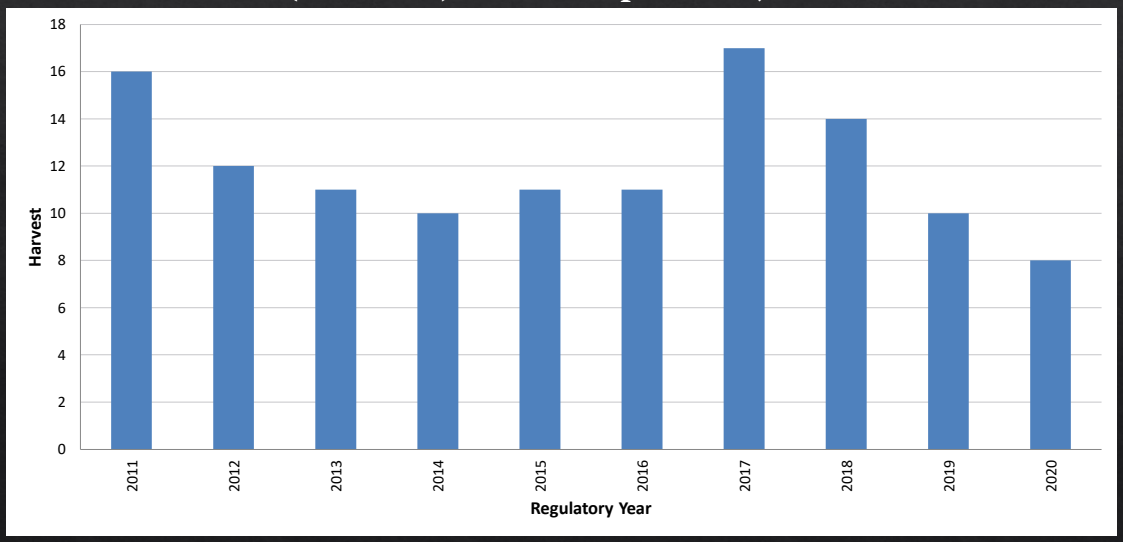
88-4

133

Proposal 88

Dall Sheep / Units 14A & 14B

Units 14A (remainder) & 14B Sheep Harvest, RY2011 – 2020



88-5

134

Proposal 88

Dall Sheep / Units 14A &14B

Unit 14C, DS140 + DS 141 Participation and Harvest, RY2011 – 2020

Reg Year	Permits	Hunted	Harvest	Participation	Success Rate
2011	83	42	5	51%	12%
2012	81	35	0	43%	0%
2013	82	51	5	62%	10%
2014	81	43	3	53%	7%
2015	81	39	2	48%	5%
2016	82	55	4	67%	7%
2017	81	50	8	62%	16%
2018	81	54	5	67%	9%
2019	81	54	6	67%	11%
2020	81	56	7	69%	13%
Average	**81.4**	**48**	**4.5**	**59%**	**9%**

88-6

135

Proposal 88

Dall Sheep / Units 14A & 14B

Summary

- Current youth season Aug 1 – 5, regular season Aug 10 – Sept 20
- Sheep harvest average for past 10 years is 13 sheep
- Success rates with bow low
- Full curl mgmt. strategy reduces biological concern
- Time period proposed conflicts with limited aircraft rule and may interfere with the youth hunt

88-7

136

Proposal 88

Dall Sheep / Units 14A & 14B

Establish bow and arrow only sheep season for residents and non-residents; Aug 1 – 9,in units 14A remainder and 14B

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

88-8

137

Proposal 89

Dall Sheep / Unit 14A

Allow archery only registration hunt for sheep in Metal Creek

Public Proposal

Department Recommendation: Neutral

Mat Valley AC

89-1

138

Proposal 89

Dall Sheep / Unit 14A

Current Regulation

- Bag Limit is any ram
- Area split into 3 sub-areas
- Season dates Aug. 10–25 or Aug. 26–Sept. 20
- Up to 100 Permits available (currently 53 permits annually)
- 10% of permits allocated to non-residents

What this proposal would do

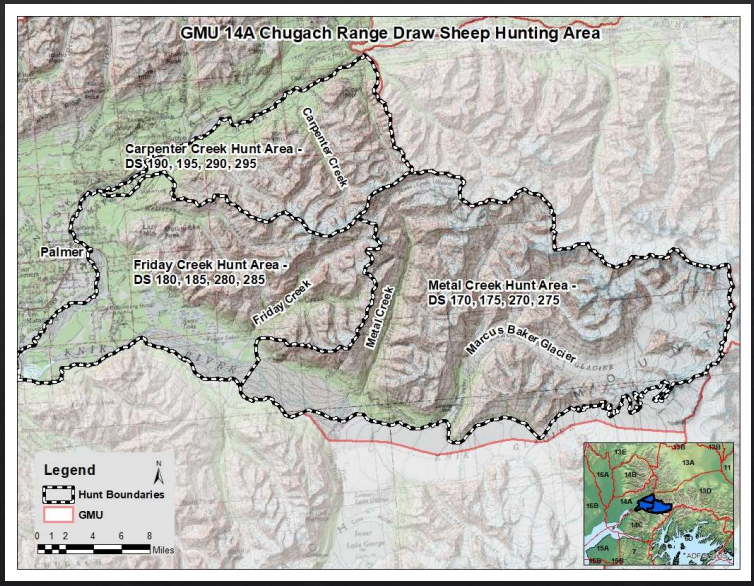
- Add late season archery only registration hunt; Oct 5 – 15
- Metal Creek Area Only
- Traditional Recurve and Long Bows Only, Bow Ed required
- Bag limit full curl

89-2

139

Proposal 89

Dall Sheep / Unit 14A



89-3

140

Proposal 89

Dall Sheep / Units 14A

Unit 14C, DS140 + DS 141 Participation and Harvest, RY2011 – 2020

Reg Year	Permits	Hunted	Harvest	Participation	Success Rate
2011	83	42	5	51%	12%
2012	81	35	0	43%	0%
2013	82	51	5	62%	10%
2014	81	43	3	53%	7%
2015	81	39	2	48%	5%
2016	82	55	4	67%	7%
2017	81	50	8	62%	16%
2018	81	54	5	67%	9%
2019	81	54	6	67%	11%
2020	81	56	7	69%	13%
Average	**81.4**	**48**	**4.5**	**59%**	**9%**

*Includes Compound Bows

89-4

141

Proposal 89

Dall Sheep / Unit 14A

Summary

- Current seasons Aug 10 – Aug 25 and Aug 26 – Sept 20, 3 separate areas, and any ram bag limit
- Proposal would be Metal Creek area, Oct 5 – 15 for long and recurve bow only, bag limit would be full curl
- Difficult access (87% aircraft)
- No biological concern with full curl
- Little chance of success but could increase harvest

89-5

142

Proposal 89 — Dall Sheep / Unit 14A

Allow archery only registration hunt for sheep in Metal Creek

Public Proposal

Department Recommendation: Neutral

Mat Valley AC

89-6

143

Proposal 90 — Brown Bear / Units 14A & 14B

Extend brown bear season in Units 14A & 14B from May 31 to June 30

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

90-1

144

Proposal 90

Brown Bear / Units 14A & 14B

Current Regulations

- Season Dates: Unit 14A Sept. 1 – May 31
  Unit 14B Aug. 10 – May 31
- One bear every year
- Locking tags required for residents
- Brown bears may be taken over bait.
- Baiting is allowed in Units 14A & 14B from April 15 – June 30

What this proposal would do

- Extend the brown bear season to June 30 in both units

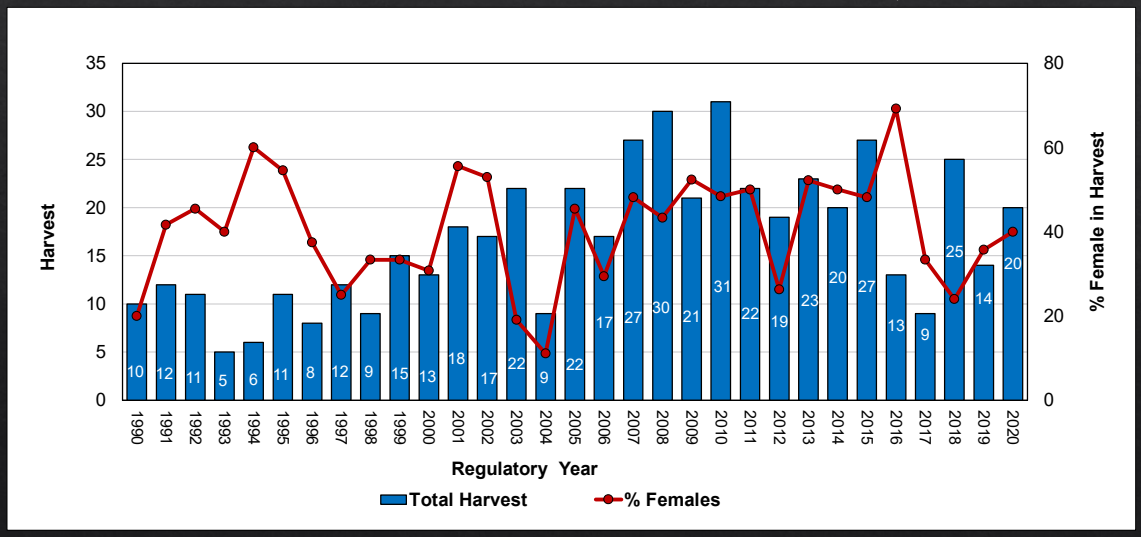
90-2

145

Proposal 90

Brown Bear / Units 14A & 14B

Units 14A & 14B Brown Bear Harvest and Percent Females, RY1990 – 2020



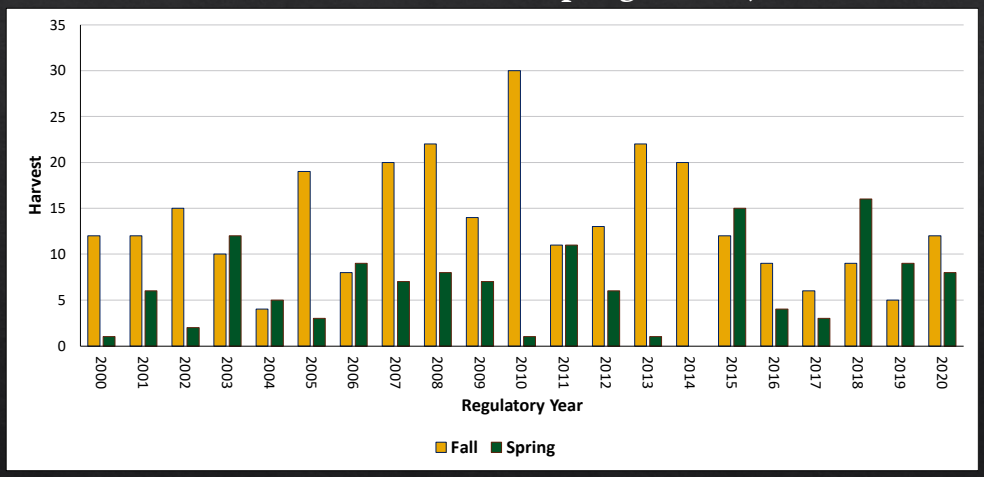
90-3

146

Proposal 90

Brown Bear / Units 14A & 14B

Units 14A & 14B Brown Bear Harvest Spring vs. Fall, RY2000 – 2020



90-4

147

Proposal 90

Brown Bear / Units 14A & 14B

Chronology of Brown Bear Harvest in Units 14A & 14B, RY2016 – 2020

	July	August		September		Oct – April	May		June	
Regulatory Year	1–31	1–15	16–31	1–15	16–30		1–15	16–31	1–30	Total
2016	0%	0%	17%	25%	25%	8%	17%	8%	0%	12
2017	0%	0%	25%	13%	13%	13%	25%	13%	0%	8
2018	0%	4%	12%	16%	4%	0%	0%	64%	0%	25
2019	0%	0%	14%	14%	7%	7%	0%	57%	0%	14
2020	0%	0%	16%	16%	21%	16%	11%	21%	0%	19
Average	**0%**	**1%**	**17%**	**17%**	**14%**	**9%**	**11%**	**33%**	**0%**	**16**

90-5

148

Proposal 90 — Brown Bear / Units 14A & 14B

Summary

- Management objective < 25 bears and ≥ 50% males
- 10 yr avg. is 21 bears and 55% males
- Harvest over bait became legal in 14B in RY15 and in 14A in RY18
- Spring harvest in 14B has been 83% over bait and 88% over bait in 14A
- Expected to increase harvest over management objectives
- Trophy value may be low

90-6

149

Proposal 90 — Brown Bear / Units 14A & 14B

Extend brown bear season in Units 14A & 14B from May 31 to June 30

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

90-7

150

Proposal 91 — Brown Bear / Units 14A &14B

Allow archery only season for brown bear in Units 14A & 14B from June 1 – 30.

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

91-1

151

Proposal 91 — Brown Bear / Units 14A &14B

Current Regulations

- Season Dates: Unit 14A Sept. 1 – May 31
  Unit 14B Aug. 10 – May 31
- One bear every year
- Locking tags required for residents
- Brown bears may be taken over bait.
- Baiting is allowed in Units 14A & 14B from April 15 – June 30

What this proposal would do

- Open a brown bear season from June 1 – June 30 in both units for archery only

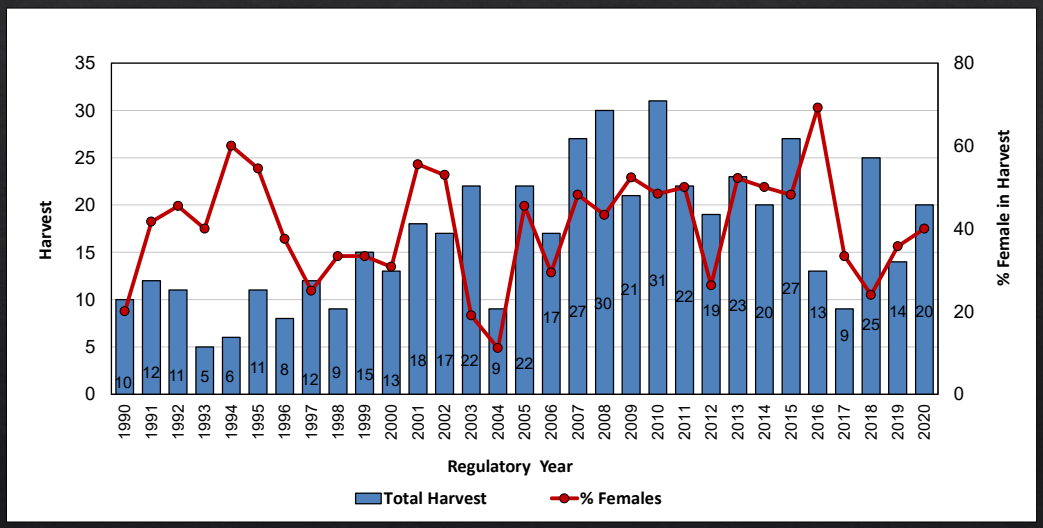
91-2

152

Proposal 91

Brown Bear / Units 14A & 14B

Units 14A & 14B Brown Bear Harvest and Percent Females, RY2000 – 2020



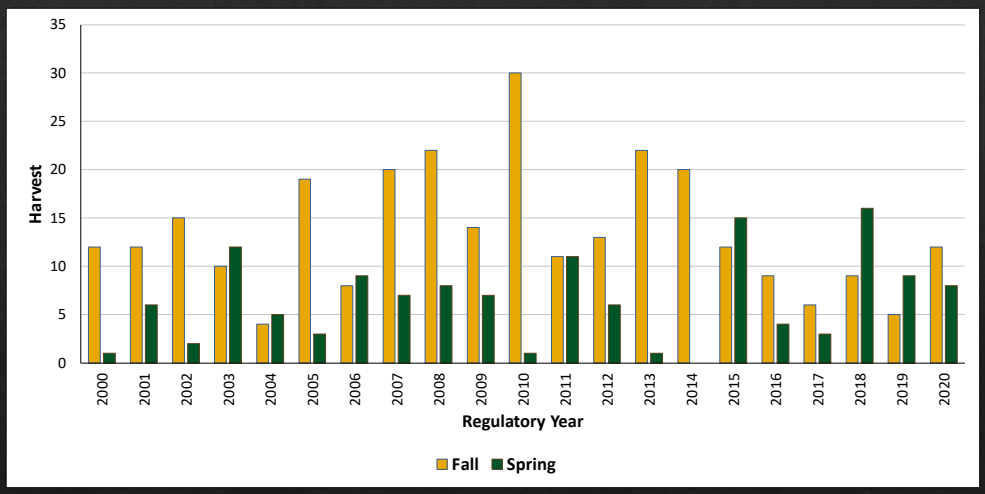
91-3

153

Proposal 91

Brown Bear / Units 14A & 14B

Units 14A & 14B Brown Bear Harvest Spring vs. Fall, RY2000 – 2020



91-4

154

Proposal 91

Brown Bear / Units 14A & 14B

Chronology of Brown Bear Harvest in Units 14A & 14B, RY2016 – 2020

Regulatory Year	July 1–31	August 1–15	August 16–31	September 1–15	September 16–30	Oct - April	May 1–15	May 16–31	June 1–30	Total
2016	0%	0%	17%	25%	25%	8%	17%	8%	0%	12
2017	0%	0%	25%	13%	13%	13%	25%	13%	0%	8
2018	0%	4%	12%	16%	4%	0%	0%	64%	0%	25
2019	0%	0%	14%	14%	7%	7%	0%	57%	0%	14
2020	0%	0%	16%	16%	21%	16%	11%	21%	0%	19
Average	**0%**	**1%**	**17%**	**17%**	**14%**	**9%**	**11%**	**33%**	**0%**	**16**

91-5

155

Proposal 91

Brown Bear / Units 14A & 14B

Summary

- Management objective is < 25 bears and ≥ 50% males
- 10 yr avg. is 21 bears and 55% males
- Harvest over bait became legal in 14B in RY15 and in 14A in RY18
- Spring harvest in 14B = 83% over bait, and 14A = 88%
- 3 out of 86 brown bears were taken by archery in the last 5 years
- Trophy value may be low

91-6

156

Proposal 91 — Brown Bear / Units 14A & 14B

Allow archery only season for brown bear in Units 14A & 14B from June 1 – 30.

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

91-7

157

Proposal 92 — Brown Bear / Unit 16

Allow no closed season for brown bear in Unit 16

Mat Valley Advisory Council Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

92-1

158

Proposal 92

Brown Bear / Unit 16

Current Regulations

- Season Dates; Aug. 10 – June 15, except within 1 mile of the mouth of Wolverine Creek in 16B where the dates are Sept. 15 – May 31
- Bag limit – 2 bears
- No resident locking tag required

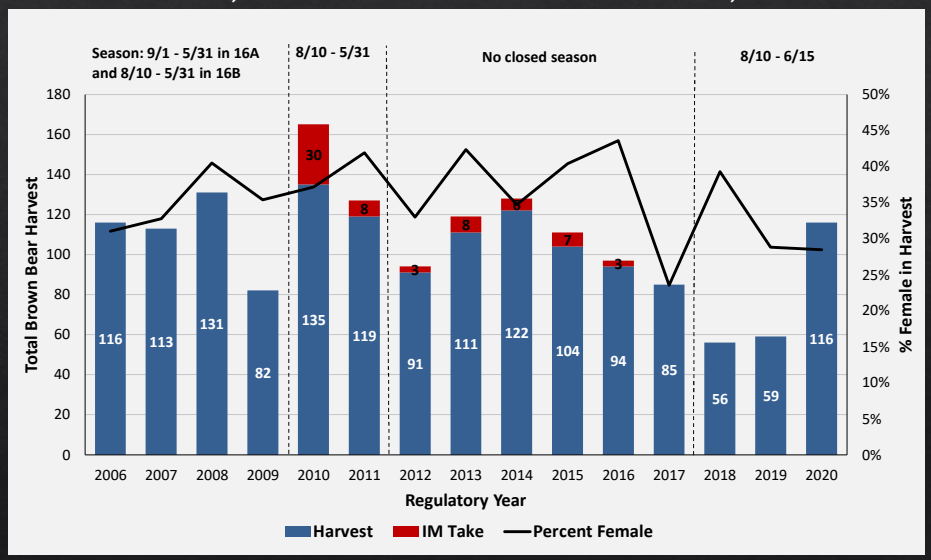
92-2

159

Proposal 92

Brown Bear / Unit 16

Brown Bear Harvest, Season Dates and Percent Females, RY2006 – 2020



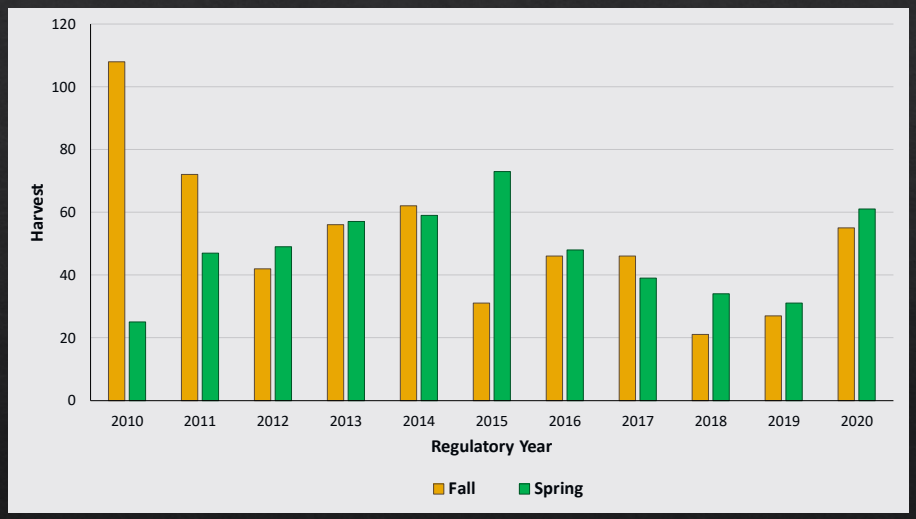
92-3

160

Proposal 92

Brown Bear / Unit 16

Unit 16 Fall and Spring Harvest, RY2010 – 2020



92-4

161

Proposal 92

Brown Bear / Unit 16

Unit 16 Fall and Spring Harvest, RY2016 – 2020

	July		August		September		Oct – April	May		June		
	1–15	16–31	1–15	16–31	1–15	16–30		1–15	16–31	1–15	16–30	Total
RY16	8%	4%	2%	7%	12%	14%	6%	1%	8%	20%	16%	97
RY17	11%	1%	4%	9%	21%	9%	9%	0%	7%	16%	15%	82
RY18	2%	0%	4%	9%	11%	13%	0%	0%	16%	44%	2%	55
RY19	0%	0%	8%	6%	9%	17%	15%	0%	11%	34%	0%	53
RY20	0%	0%	7%	3%	16%	20%	13%	3%	10%	27%	2%	116
Average	**4%**	**1%**	**5%**	**7%**	**14%**	**15%**	**9%**	**1%**	**10%**	**28%**	**7%**	**81**

92-5

162

Proposal 92 — Brown Bear / Unit 16

Summary

- Current season of Aug 10 – Jun 15 began in RY18
- Between RY11 and RY17 there was no closed season
- Brown bear over bait began in RY13
- Brown bear was part of predation control from RY10 until the program was suspended in RY17
- Average harvest RY11-RY17 was 109 bears, avg harvest RY18-RY19 was 56 bears

92-6

163

Proposal 92 — Brown Bear / Unit 16

Allow no closed season for brown bear in Unit 16

Mat Valley Advisory Council Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

92-7

164

Proposal 93 — Brown Bear / Unit 16

Allow no closed season for brown bear in Unit 16

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

93-1

165

Proposal 93 — Brown Bear / Unit 16

Current Regulations

- Season Dates; Aug. 10 – June 15, except within 1 mile of the mouth of Wolverine Creek in 16B where the dates are Sept. 15 – May 31
- Bag limit – 2 bears
- No resident locking tag required

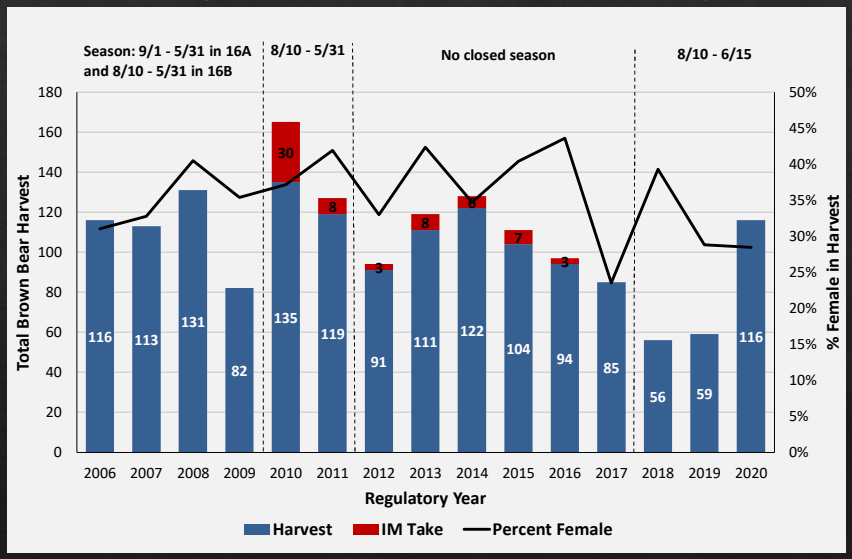
93-2

166

Proposal 93

Brown Bear / Unit 16

Brown Bear Harvest, Season Dates and Percent Females, RY2006 – 2020



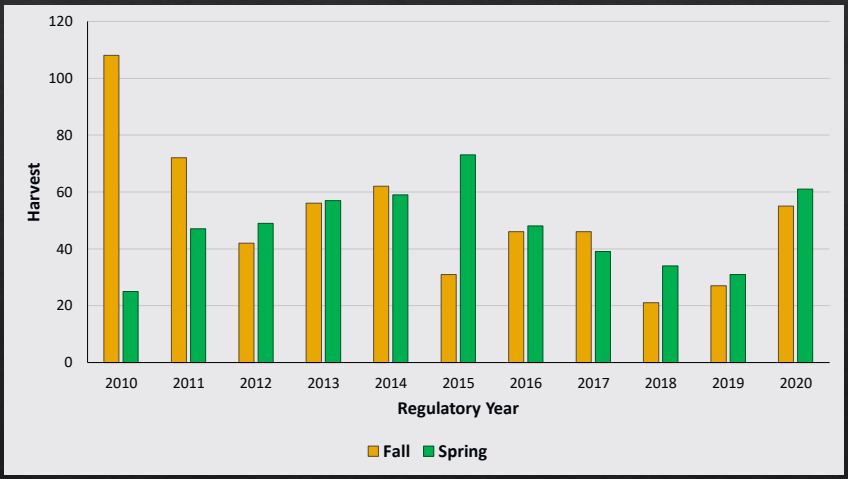
93-3

167

Proposal 93

Brown Bear / Unit 16

Unit 16 Fall and Spring Harvest, RY2010 – 2020



93-4

168

Proposal 93

Brown Bear / Unit 16

Unit 16 Fall and Spring Harvest, RY2016 – 2020

	July		August		September		Oct - April	May		June		
	1-15	16-31	1-15	16-31	1-15	16-30		1-15	16-31	1-15	16-30	Total
RY16	8%	4%	2%	7%	12%	14%	6%	1%	8%	20%	16%	97
RY17	11%	1%	4%	9%	21%	9%	9%	0%	7%	16%	15%	82
RY18	2%	0%	4%	9%	11%	13%	0%	0%	16%	44%	2%	55
RY19	0%	0%	8%	6%	9%	17%	15%	0%	11%	34%	0%	53
RY20	0%	0%	7%	3%	16%	20%	13%	3%	10%	27%	2%	116
Average	**4%**	**1%**	**5%**	**7%**	**14%**	**15%**	**9%**	**1%**	**10%**	**28%**	**7%**	**81**

93-5

169

Proposal 93

Brown Bear / Unit 16

Summary

- Current season of Aug 10 – Jun 15 began in RY18
- Between RY11 and RY17 there was no closed season
- Brown bear over bait began in RY13
- Brown bear was part of predation control until the program was suspended in RY17
- Average harvest RY11–RY17 was 109 bears, avg harvest RY18–RY19 was 56 bears

93-6

170

Proposal 93

Brown Bear / Unit 16

Allow no closed season for brown bear in Unit 16

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

93-7

171

Proposal 94

Brown Bear / Unit 16

Establish a general season by bow and arrow only for brown bear from June 16 – Aug. 9 in 16A & 16B

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

94-1

172

Proposal 94

Brown Bear / Unit 16

Current Regulations

- Season Dates; Aug. 10 – June 15, except within 1 mile of the mouth of Wolverine Creek in 16B where the dates are Sept. 15 – May 31
- Bag limit – 2 bears
- No resident locking tag required

What this proposal would do

- Open a brown bear season of June 16 – August 9 for archery only in units 16A and 16B, except for Wolverine Creek

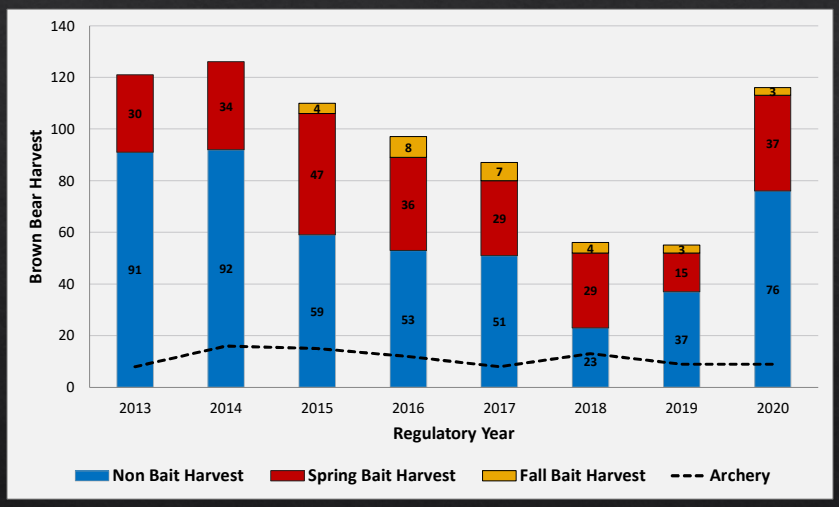
94-2

173

Proposal 94

Brown Bear / Unit 16

Unit 16 Brown Bear Harvest by Bait, Season, and Archery, RY2013 – 2020



94-3

174

Proposal 94 — Brown Bear / Unit 16

Summary

- Current season of Aug 10 – Jun 15 began in RY18
- Between RY11 and RY17 there was no closed season
- Brown bear was part of predation control until the program was suspended in RY17
- Average harvest RY11–RY17 was 109 bears, avg harvest RY18–RY19 was 56 bears
- Average archery harvest RY13–RY19 is 11.6
- No biological concern, however low hide quality

94-4

175

Proposal 94 — Brown Bear / Unit 16

Establish a general season by bow and arrow only for brown bear from June 16 – August 9 in 16A & 16B

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

94-5

176

Proposal 95 — Brown Bear / Unit 16B

Lengthen brown bear season dates in unit 16B for residents and non-residents from ending June 15 to June 30

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Tyonek AC

95-1

177

Proposal 95 — Brown Bear / Unit 16B

Current Regulations

- Season Dates; Aug. 10 – June 15, except within 1 mile of the mouth of Wolverine Creek in 16B where the dates are Sept. 15 – May 31
- Bag limit – 2 bears
- No resident locking tag required

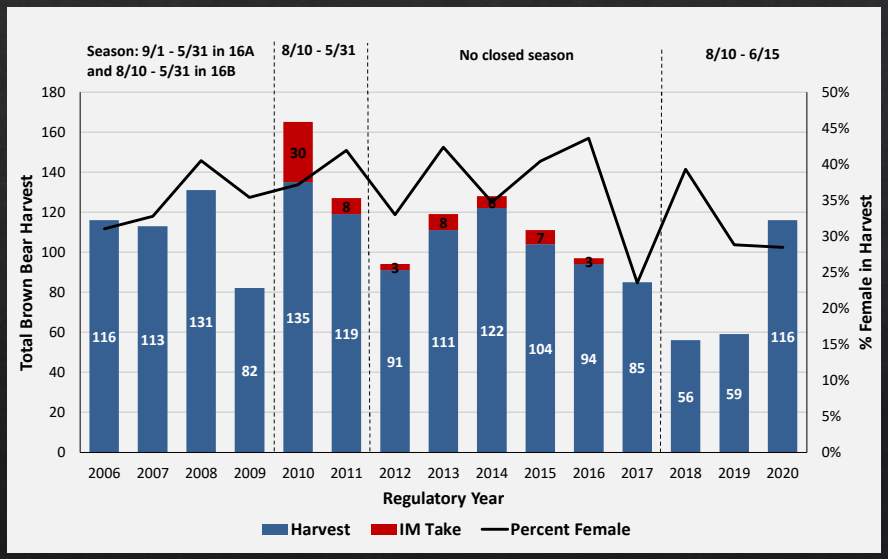
95-2

178

Proposal 95

Brown Bear / Unit 16B

Brown Bear Harvest, Season Dates and Percent Females, RY2006 – 2020



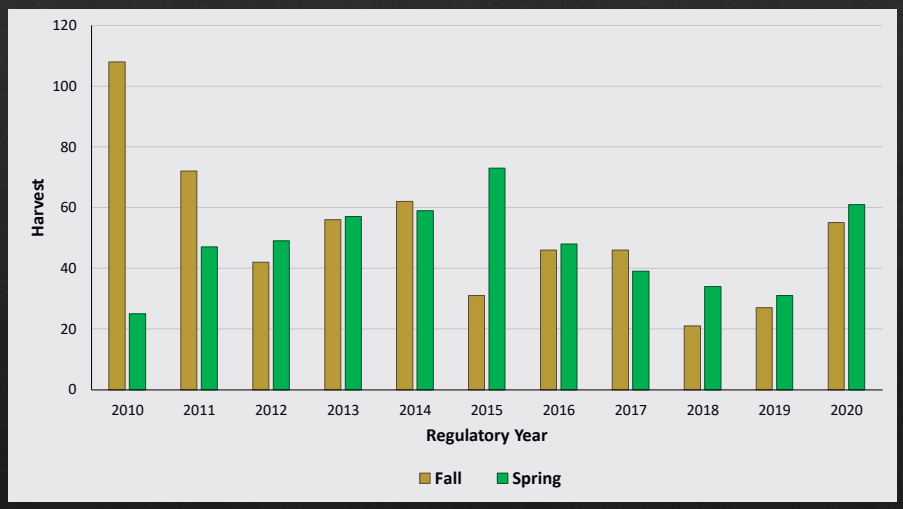
95-3

179

Proposal 95

Brown Bear / Unit 16B

Unit 16 Fall and Spring Harvest, RY2010 – 2020



95-4

180

Proposal 95

Brown Bear / Unit 16B

Unit 16 Fall and Spring Harvest, RY2016 – 2020

	July		August		September		Oct - April	May		June		
	1–15	16–31	1–15	16–31	1–15	16–30		1–15	16–31	1–15	16–30	Total
RY16	8%	4%	2%	7%	12%	14%	6%	1%	8%	20%	16%	97
RY17	11%	1%	4%	9%	21%	9%	9%	0%	7%	16%	15%	82
RY18	2%	0%	4%	9%	11%	13%	0%	0%	16%	44%	2%	55
RY19	0%	0%	8%	6%	9%	17%	15%	0%	11%	34%	0%	53
RY20	0%	0%	7%	3%	16%	20%	13%	3%	10%	27%	2%	116
Average	**4%**	**1%**	**5%**	**7%**	**14%**	**15%**	**9%**	**1%**	**10%**	**28%**	**7%**	**81**

95-5

181

Proposal 95

Brown Bear / Unit 16B

Summary

- Current season of Aug 10 – Jun 15 began in RY18
- Between RY11 and RY17 there was no closed season
- Brown bears over bait began in RY13
- Brown bear was part of predation control from RY10 until the program was suspended in RY17
- Average harvest RY11–RY17 was 109 bears, avg harvest RY18 – RY19 was 56 bears
- Allows hunter to take brown bears during the entire spring bear baiting season

95-6

182

Proposal 95 — Brown Bear / Unit 16B

Lengthen brown bear season dates in unit 16B for residents and non-residents from ending Jun 15 to Jun 30

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Tyonek AC

95-7

183

Proposal 96 — Black Bear / Unit 16B

Create same-day airborne exception for black bear in 16B provided hunters were 300 ft from aircraft

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Tyonek AC

96-1

184

Proposal 96

Black Bear / Unit 16B

Current Regulations

It is against the law to hunt or help someone else take big game until 3:00 am the day following the day you have flown. This does not apply to regularly scheduled commercial or commuter airplanes.

Exceptions…

In units 7,9,11-13, 14A, 14B, 15-21, 23-25, 26B and 26C Black bears may be taken at permitted bait stations the same days you have flown, provided you are at least 300 feet from the airplane. (also applies to brown bears at bait stations in 14A, 14B, 16 and others.)

Same day airborne take is not allowed on National Park Service lands.

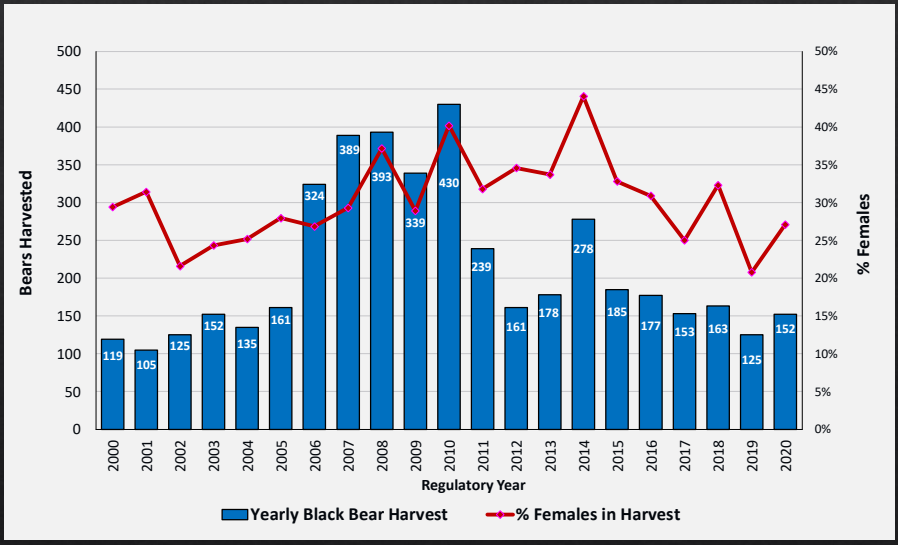
96-2

185

Proposal 96

Black Bear / Unit 16B

Unit 16B Black Bear Harvest and % Females in Harvest, RY2000 – 2020



96-3

186

Proposal 96 — Black Bear / Unit 16B

Summary

- Black bear population estimate in 2007 was 3,500 ± 300 bears
- Was allowed under the control program (2006 – 2016)
- During control 23 black bears were taken annually by people who used aircraft, did not hunt at bait, and hunted either 0 or 1 day

96-4

187

Proposal 96 — Black Bear / Unit 16B

Create same-day airborne exception for black bear in 16B provided hunters were 300 ft from aircraft

Public Proposal

Department Recommendation: Neutral

Mt Yenlo AC
Tyonek AC

96-5

188

Proposal 97 — Beaver / Unit 16

Allow beaver to be taken with archery equipment in unit 16

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

97-1

189

Proposal 97 — Beaver / Unit 16

Current Regulation

- Season dates; Sept. 25 – May 31
- Traps and snares must be submerged from Sept. 25 – Nov. 9
- No limit
- Firearms may be used throughout the season

97-2

190

Proposal 97

Beaver / Unit 16

Beaver harvest in GMU's that require sealing, RY2016 – 2020

Regulatory Year	Game Management Units					
	9	10	11	13	14A&B	17
2016	98	0	3	142	74	91
2017	71	0	8	146	68	82
2018	114	0	12	104	71	40
2019	42	0	6	143	46	57
2020	65	0	9	178	56	55

97-3

191

Proposal 97

Beaver / Unit 16

Summary

- Sealing in Unit 16 was eliminated in RY11
- Average harvest RY2000 – 10 was 86 beaver annually
- Taking beaver with firearms became legal in RY18
- Salvage of beaver may be difficult
- No biological concern

97-4

192

Proposal 97 — Beaver / Unit 16

Allow beaver to be taken with archery equipment in unit 16

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

97-5

193

Proposal 98 — Beaver / Unit 16B

Extend beaver season in 16B to start on August 10 instead of September 25

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

98-1

194

Proposal 98

Beaver / Unit 16B

Current Regulation

- Season dates; Sept. 25 – May 31
- Traps and snares must be submerged from Sept. 25 – Nov. 9
- No limit
- Firearms may be used throughout the season

98-2

195

Proposal 97

Beaver / Unit 16B

Beaver harvest in GMU's that require sealing, RY2016 – 2020

Regulatory Year	Game Management Units					
	9	10	11	13	14A&B	17
2016	98	0	3	142	74	91
2017	71	0	8	146	68	82
2018	114	0	12	104	71	40
2019	42	0	6	143	46	57
2020	65	0	9	178	56	55

98-3

196

Proposal 98 — Beaver / Unit 16B

Summary

- Adds 48 days to season
- Aligns beaver trapping season with the start of caribou season
- No biological concern

98-4

197

Proposal 98 — Beaver / Unit 16B

Extend beaver season in 16B to start on August 10 instead of September 25

Public Proposal

Department Recommendation: Neutral

Su Valley AC
Mt Yenlo AC
Tyonek AC

98-5

198

Proposal 229

Trapping / Unit 14A

Extend the trapping season for marten in Unit 14A

Public proposal

Department Recommendation: Support

Mat Valley AC

229-1

199

Proposal 229

Trapping / Unit 14A

Current Regulation

- Current Open Season is Nov. 10 – Dec. 31; No bag limit.
- Marten taken in Units 14A, 14B and 16 must be sealed within 30 days after the close of the season
- Current Open Season in Units 14B, and 16 is Nov. 10 – Jan. 31; no bag limit

229-2

200

Proposal 229

Trapping / Unit 14A

- This proposal would align marten seasons with neighboring GMUs, and other species harvested with similar methods.
- No conservation concern. The trappers report notes them as scarce however good pockets exist.
- *5-year average harvest =25*
- *Adds 30 days to season*

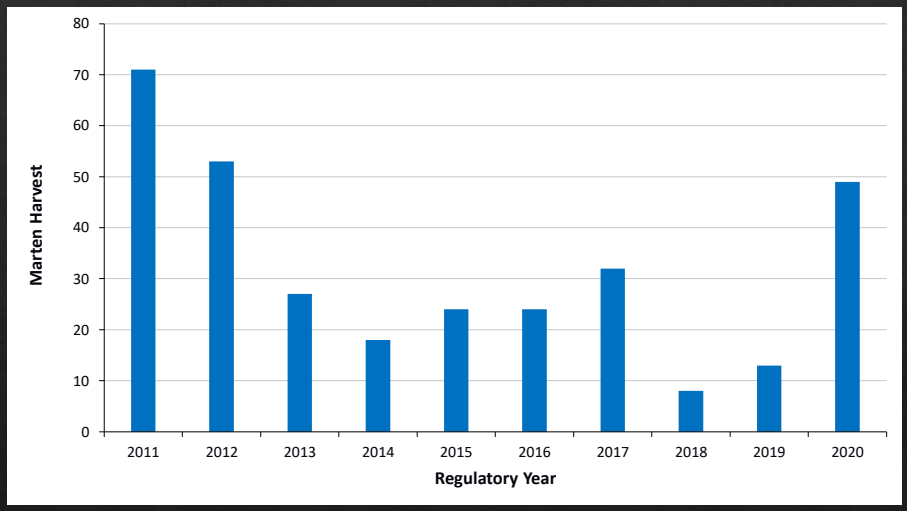
229-3

201

Proposal 229

Trapping / Unit 14A

Unit 14A Marten harvest RY2011 – 2020



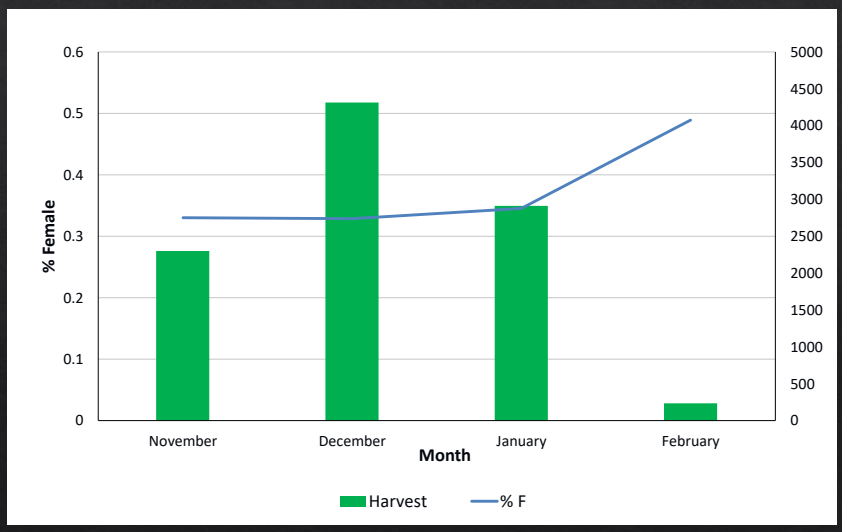
229-4

202

Proposal 229

Trapping / Unit 14A

Unit 16 Monthly Harvest and Percent Female RY2001 – 2020



229-5

203

Proposal 229

Trapping / Unit 14A

Extend the trapping season for marten in Unit 14A

Public proposal

Department Recommendation: Support

Mat Valley AC

229-6

204

Proposal 99 — Trapping / Units 14A, 14B, & 16A

Require buffer area /restrict furbearer trapping in 14A, 14B, 16A

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

99-1

205

Proposal 99 — Trapping / Units 14A, 14B, & 16A

Under the current regulations there are no closed areas in Units 14A, 14B & 16A

<u>What this regulation would do</u>

Close all trapping within:

- ¼ mile of any permanent dwelling
- 50 yards of any developed hiking or groomed ski trail*
- ¼ mile of the trailhead for any developed hiking or groomed ski trail
- ¼ mile of any developed campground*
- Hatcher Pass Public Use Area
- Palmer Hay Flats State Game Refuge

* Requires that a current list be maintained by the ADF&G

99-2

206

Proposal 99 — Trapping / Units 14A, 14B, & 16A

Summary

- Currently no restrictions in Region IV
- Encourages trappers follow Code of Ethics
- Trappers keep furbearer populations in check thus reducing human wildlife conflicts
- Would reduce opportunity for legal trapping

99-3

207

Proposal 99 — Trapping / Units 14A, 14B, & 16A

Require buffer area /restrict furbearer trapping in 14A, 14B, 16A

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

99-4

208

Proposal 100

Trapping / Unit 16

Remove restrictions on beaver trapping (that traps must be submerged Sept. 25 – November 9) in Unit 16

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

100-1

209

Proposal 100

Trapping / Unit 16

Current Regulation

- Season dates; Sept. 25 – May 31
- Traps and snares must be submerged from Sept. 25 – Nov. 9
- No limit
- Firearms may be used throughout the season

100-2

210

Proposal 100 — Trapping / Unit 16

Summary

- Proposer's concern is changing waters levels make it hard to stay legal
- Trapping for beaver occurs outside of other trapping seasons (Nov. 10 – Feb 28)
- Restriction for traps being submerged was due to the potential for non-target species
- 2 otters have been taken by beaver trappers
- No biological concern for incidental take of other furbearers

100-3

211

Proposal 100 — Trapping / Unit 16

Remove restrictions on beaver trapping (that traps must be submerged Sept. 25 – November 9) in Unit 16

Public Proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC

100-4

212

Proposal 228 — Trapping / Units 14A, 14B, and 16

Require trap identification tags in Units 14A, 14B, and 16

Public proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC
Tyonek AC
Mt Yenlo AC

228-1

213

Proposal 228 — Trapping / Units 14A, 14B, and 16

Things to consider

- No biological concern
- The Board has enacted trap marking requirements in the past but has rescinded them except for Chugach State Park
- Trap tags make enforcement easier but could potentially cause problems for otherwise legal trappers.

228-2

214

Proposal 228 — Trapping / Units 14A, 14B, and 16

Require trap identification tags in Units 14A, 14B, and 16

Public proposal

Department Recommendation: Neutral

Mat Valley AC
Su Valley AC
Tyonek AC
Mt Yenlo AC

228-3

215

Proposal 227 — Grouse / Unit 14A

Reduce bag limit and daily possession of grouse in Unit 14A

Public Proposal

Department Recommendation: Opposed

Mat Valley AC

227- 1

216

Proposal 227 — Grouse / Unit 14A

Current Regulations:

GROUSE (Unit 14A):
15 per day, 30 in possession
Only 2 per day, 4 in possession (RUFFED GROUSE)

Proposed Regulations:

GROUSE (Unit 14A)
5 per day, 10 in possession (all grouse species)

227-2

217

Proposal 227 — Grouse / Unit 14A

Background:

1. Spruce grouse daily bag unchanged since 1963

2. Ruffed grouse introduced to Mat-Su valley – late 1980s
   - Lower bag & possession limits because translocated population
   - Low densities compared to Interior Alaska populations

3. Human population: 5,200 (1960) to 107,100 (2020)
   Human density: 0.2 people/mile^2 to 4.3 people/mile^2

227-3

218

Proposal 227

Grouse / Unit 14A

Current Status: (SPRUCE Grouse)

4. Widespread spruce bark beetle outbreak– significantly reduced habitat availability-1.2 million acres[2] affected as of 2020

5. Fall abundance indexing effort for forest grouse: 2019 - Present

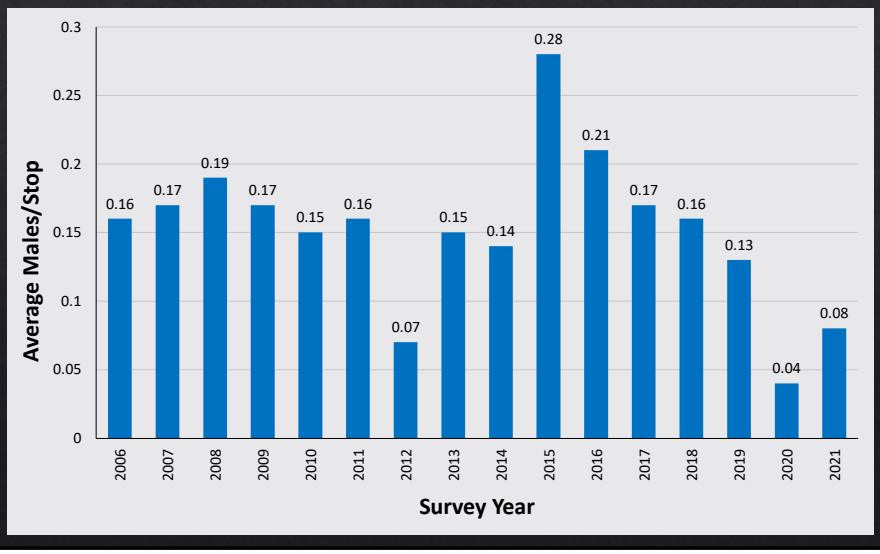
227-4

219

Proposal 227

Grouse / Unit 14A

Current Status: (RUFFED Grouse)



227-5

220

Proposal 227 — Grouse / Unit 14A

Things to consider

- Current Regs: 15 per day, 30 in possession
  Only 2 per day, 4 in possession (RUFFED GROUSE)
- Would raise ruffed grouse limit and decrease spruce grouse limit

227-6

221

Proposal 227 — Grouse / Unit 14A

Reduce bag limit and daily possession of grouse in Unit 14A

Public Proposal

Department Recommendation: Opposed

Mat Valley AC

227-7

222