

WAC 220-412-080 and 220-415-070

Moose Seasons

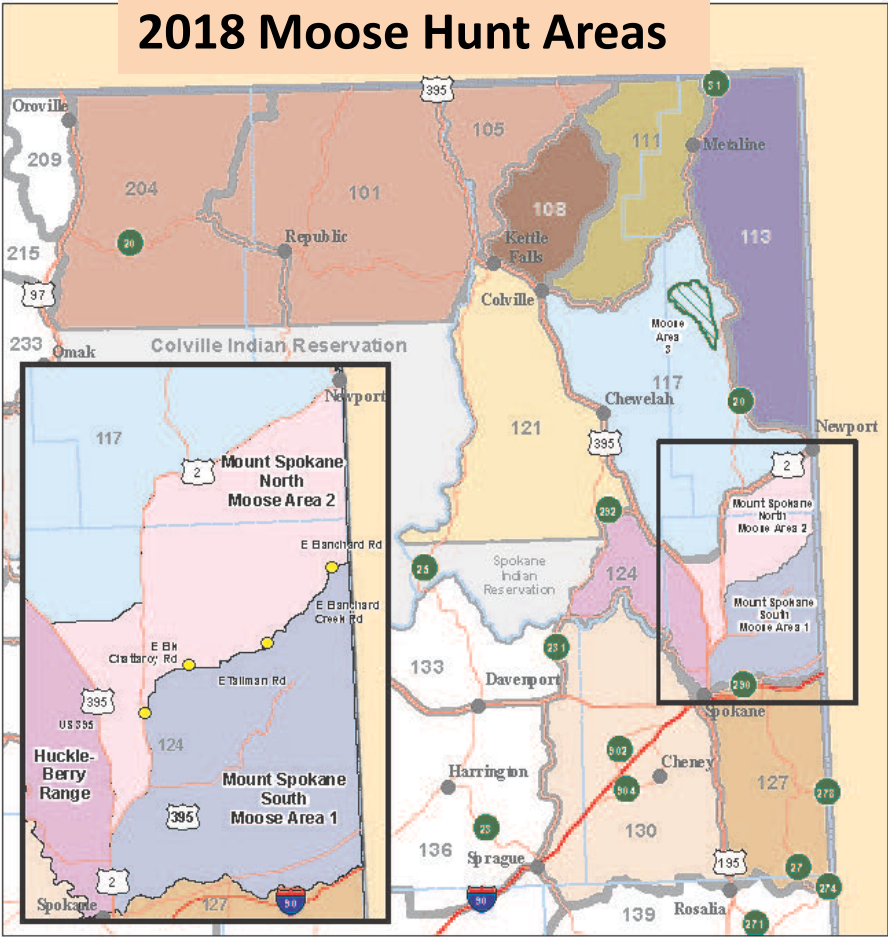


Washington Department of
FISH and WILDLIFE

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2018 Moose Hunt Areas



Reduction in Antlerless Permits Around Mt. Spokane

2018					2017					
Antlerless only -					Antlerless only					
Mt Spokane South B		Oct. 1 - Nov. 30	Moose Area 1 (within 124)	4	Mt Spokane South B		Oct. 1 - Nov. 30	Moose Area 1 (within 124)	8	-4
Mt Spokane North B		Oct. 1 - Nov. 30	Moose Area 2 (within 124)	4	Mt Spokane North B		Oct. 1 - Nov. 30	Moose Area 2 (within 124)	7	-3
Youth Only - Antlerless					Youth Only - antlerless					
49 Degrees North Y		Oct. 1 - Nov. 30	GMU 117	0	49 Degrees North Y		Oct. 1 - Nov. 30	GMU 117	2	-2
Mt Spokane South Y		Oct. 1 - Nov. 30	Moose Area 1 (within 124)	1	Mt Spokane South Y		Oct. 1 - Nov. 30	Moose Area 1 (within 124)	8	-7
Mt Spokane North Y		Oct. 1 - Nov. 30	Moose Area 2 (within 124)	0	Mt Spokane North Y		Oct. 1 - Nov. 30	Moose Area 2 (within 124)	8	-8

Concomitantly, reduce Hunter Education Instructor Incentive antlerless permits from 4 (in 2017) to 1.

Fewer Moose in NE Washington's Future

- Moose still fairly abundant
- Have probably exceeded long-term capacity
- (Except where noted), hunting probably a minor component of survival probability
- At what abundance will decline stop?
 - Need as precise monitoring as possible to know

	Age 0	Age 1	Age 2	Age 3	Age 4	Age 5	Age 6	Age 7	Age 8	Age 9+	Effort	Total Catch	Catch/Effort
Year 1	2001	0	3	1	2	0	1	2	1	0	1.5818	2011	1271.3365
Year 2	2002	0	2	4	6	3	3	0	3	1	0.9477	2024	2135.6970
Year 3	2003	0	2	9	7	7	0	2	1	5	0.6341	2036	3210.8500
Year 4	2004	1	7	5	2	2	0	1	2	3	1.1250	2027	1801.7778
Year 5	2005	1	5	5	9	1	2	1	2	2	0.6477	2033	3138.7988
Year 6	2006	1	1	2	3	5	1	0	1	1	0.8864	2021	2280.0090
Year 7	2007	1	0	1	1	0	2	1	0	0	0.5727	2013	3514.9293
Year 8	2008	0	3	9	3	4	2	1	3	4	0.8182	2037	2489.6113
Year 9	2009	3	2	1	7	3	2	1	0	5	0.9682	2033	2099.7728
Year 10	2010	1	3	6	0	3	2	3	1	4	0.6409	2033	3172.1017
Year 11	2011	0	1	3	4	0	1	1	2	1	0.7295	2024	2774.5031
Year 12	2012	1	1	5	3	1	2	2	1	6	0.9750	2034	2086.1538
Year 13	2013	4	0	3	1	0	2	4	2	3	1.0568	2032	1922.7858
Year 14	2014	2	1	2	6	1	1	0	1	5	0.9750	2033	2085.1282
Year 15	2015	3	1	3	7	4	4	2	0	17	2.4409	2056	842.3123

Model Summary

Harvest Data
 File: Female harvest b
 Years:
 Age classes:
 Pooled:

Harvest Probability
 Last distinct age: 0
 Range: 0.02 - 0.15
 Random effects? No

Survival Probability
 Last distinct age: 0
 Range: 0.60 - 0.95
 Random effects? No

Aging/Reporting
 Year-specific

Auxiliary Data
 Harvest: loaded
 Survival: loaded

Model

Need to know the age of harvested animals....

WAC 220-415-070

(2) (d) Submitting moose teeth: Successful moose hunters must submit an incisor tooth from the lower jaw, either in person at a WDFW office, or via the postage-paid envelope supplied, no later than sixty days after harvest.

SS 001790 THIS ENVELOPE FOR MOOSE AND MOUNTAIN GOAT ONLY

Species: Moose _____ Mountain Goat _____ Transport Tag Doc.# _____

Kill Type: General Season ___ Special Permit ___ Depredation ___ Landowner ___ Poached ___ Roadkill ___ Other (specify) _____

Wild ID# _____ Date of Kill (month/day/year) ____/____/____

Hunter's Name (Last, First, Middle Initial): _____

Weapon Type: Modern Firearm _____ Archery _____ Muzzleloader _____

Comments: _____

GMU of Kill: _____ County of Kill: _____

Location of Kill: (drainage, road, or other specifics): _____

Sex of Kill: Male ___ Female ___ Age Class of Kill: Kid/Calv ___ Yearling ___ Adult ___

Length of Antler / Horn: LEFT ___ RIGHT ___ Incisor teeth collected: Yes No

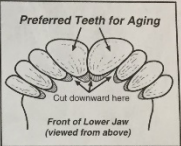
Tissue Sample Collected for DNA Analysis? Yes No Vial Number: _____ CWD Sample collected: Yes No Jar Number _____

Did the animal have an ear tag (or a hole in the ear)? (please circle one): Yes No Tag Number: _____ Tag Color: _____

Did the animal have a radio-collar? (please circle one): Yes No Frequency: _____

Officer / Biologist _____

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The diagram shows a set of moose teeth with arrows pointing to the central incisors. The text 'Preferred Teeth for Aging' is written above the teeth. Below the teeth, it says 'Cut downward here' and 'Front of Lower Jaw (viewed from above)'.

Closer Prediction of Gender of Harvest from Hunting Categories

- Eliminate “any moose” hunt category and replace with “antlered bull moose”
- Defined as having “visible antlers”
- Previously accumulated points for “any moose” transfer to “antlered bull moose”
- With few exceptions, this allows managers to anticipate hunting mortality by gender

Eliminate Master Hunts for Moose

- Originally conceived as a way to provide hunter opportunity when problem moose needed to be removed (mostly around suburban Spokane)
- Started with 20/year - but few used
- Later reduced to 10/year - typically have used only 2-3/yr
- Region One is emphasizing non-lethal resolution to problem moose issues; has only used 1 Master Hunter permit in the last few years
- Often selected hunters live several hours from the site (but time is of the essence); officers are often required to accompany the hunter and assist with carcass; big time commitment
- Region One Enforcement has found program administration to far outweigh its benefits. A better option, when lethal removal is required, is to have Enforcement dispatch the animal, having volunteer group process the carcass and donate to charity (food bank)

Proposal: WAC 220-412-080

- Require that the hunter education requirement be met (or appropriately exempt) for all (including youth) before application can be made for special permits for moose, bighorn sheep, and mountain goats (including 'points only' option).
- This would disallow the current practice of 'banking' points for youth who are too young to hunt.
- Prospective, not retrospective (accumulated points would be retained).

Rationale: WAC 220-412-080

- Consistency in approach toward licensing
 - Hunters must possess the qualifications of the hunt category if selected (e.g., > 65 years old)
 - Applicants in other categories need hunter education (or appropriate exemption) – adding it here would make it consistent
- Discourage “gaming” the system
 - Hunters unaware that they system currently allows this puts them at a disadvantage
- Other opportunities to recruit youth beside early moose hunt

Questions?

