

# Bighorn Sheep, Moose, and Mountain Goats

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## **WACs:**

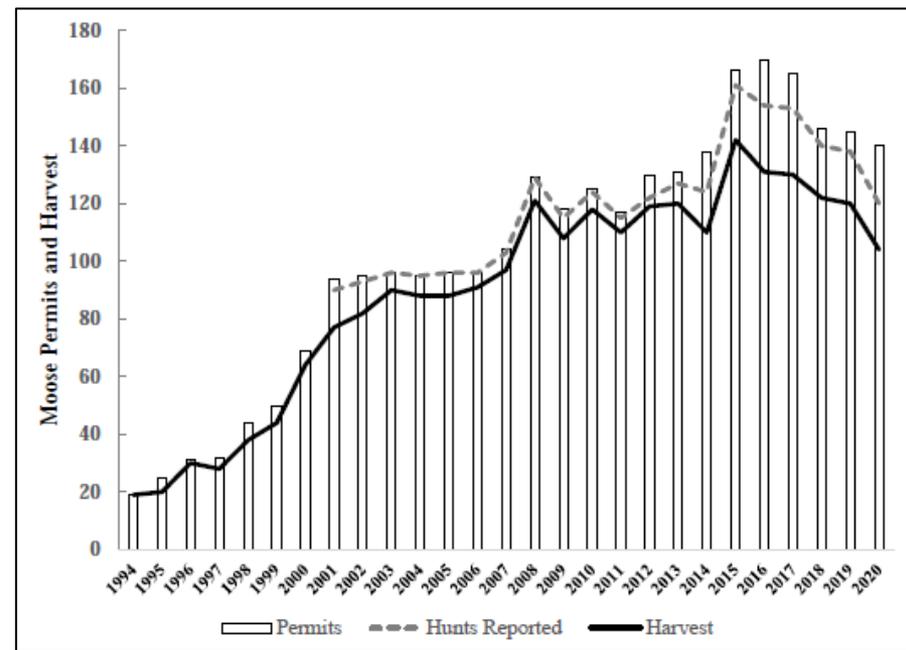
**220-415-070 2021 Moose seasons, permit quotas, and areas.**

**220-415-120 2021 Bighorn sheep seasons, permit quotas, and areas.**

**220-415-130 2021 Mountain goat seasons, permit quotas, and areas.**

# Moose

- Primarily occur in NE and north-central Washington
- Most recent estimate (2016) is ~5,000 moose in the NE
- DFW attempts regional surveys to estimate age and sex ratios (snow dependent)
- Recent research in NE WA indicated populations were declining (2014-2018; GMUs 117/124)
- Substantial reduction in antlerless permits in 2018



# WAC 220-415-070

## Moose seasons, permit quotas, and areas

### Proposed Change:

1. Exclude Parker Lake from the "49 Degrees North" hunt area
  - Large-scale timber treatment in Parker Lake area that will reduce hunt quality (once-in-a-lifetime hunt). Exclusion will cease with timber operations.
2. Include GMU 139 in the "Hangman" and "Cheney B" hunts
  - Expanded moose distribution warrants inclusion, also assists with occasional human-moose conflict.

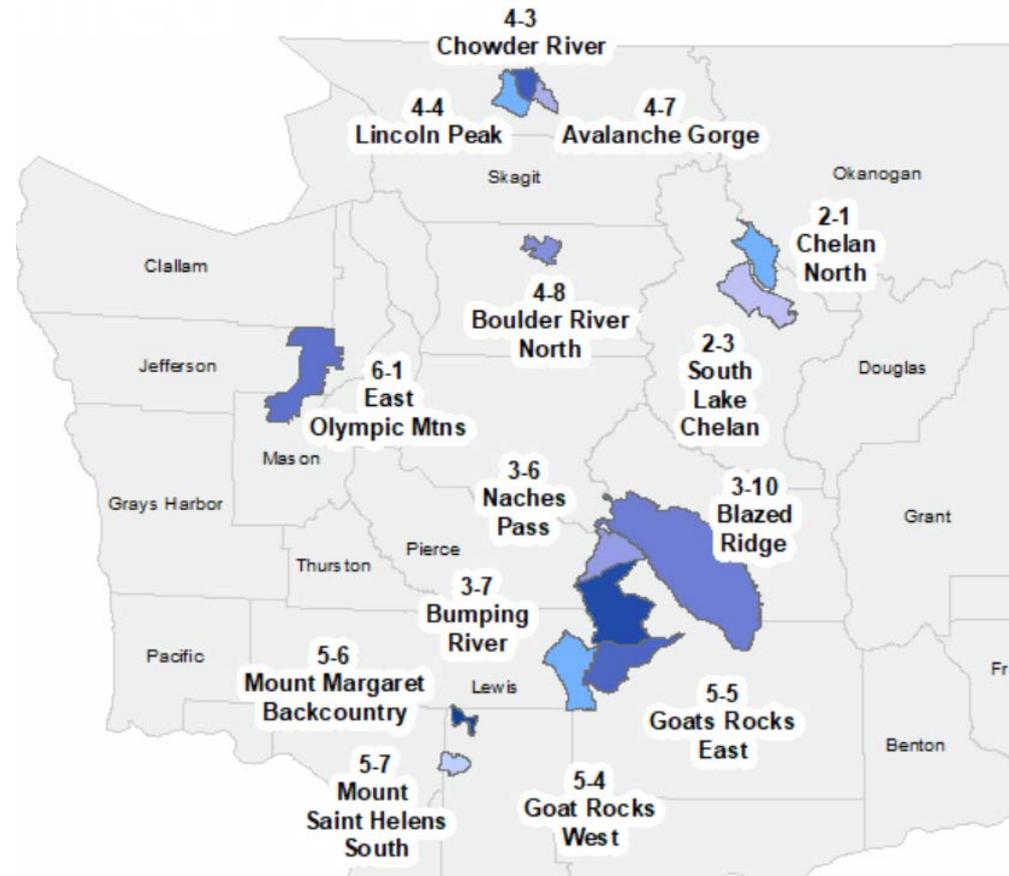


# Mountain goat

- Most recent range-wide estimate was 2,400-3,200 goats (2008)
- DFW attempts surveys every other year in most areas

## Hunting guidelines:

- Populations must have >100 goats for a hunt to occur
- Total harvest should be  $\leq 4\%$  of the estimated population that is >1 year old
- Nanny harvest should not exceed 1.2% of the estimated nanny population



# WAC 220-415-130

## Mountain goat seasons, permit quotas, and areas

### Proposed Change:

1. Suspension of the "Conflict reduction" special permits (Olympic Peninsula)
  - Three "East Olympic Mtns" hunts affected (5, 10, & 10 permits)
  - Hunts were in conjunction with ongoing depopulation efforts on the Peninsula
  - Very few, if any, animals are expected to remain in the hunt areas post-summer 2022
  - Permits may be re-proposed in future years if need arises in the future



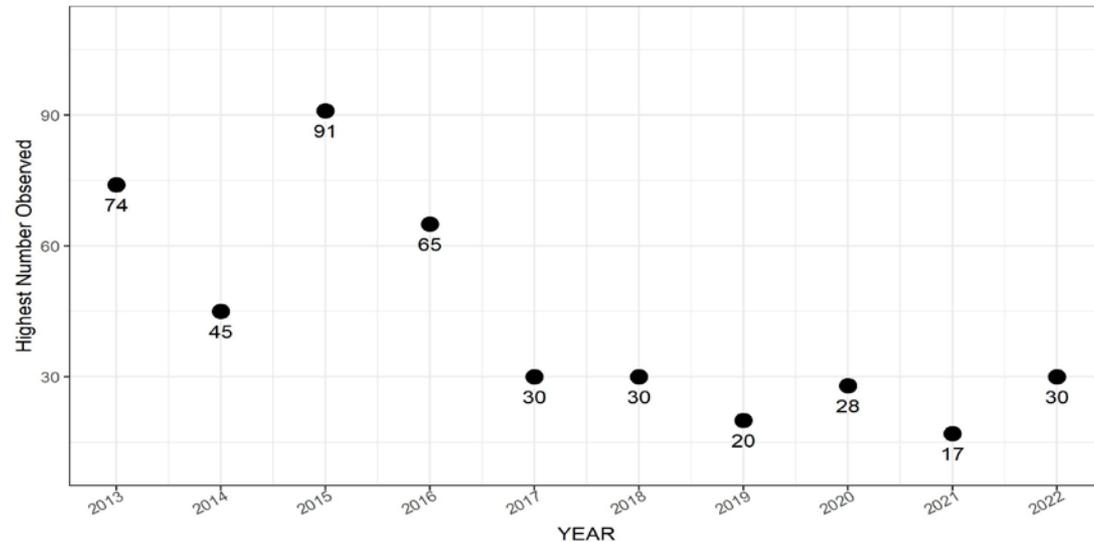
# WAC 220-415-130

## Mountain goat seasons, permit quotas, and areas

### Proposed Change:

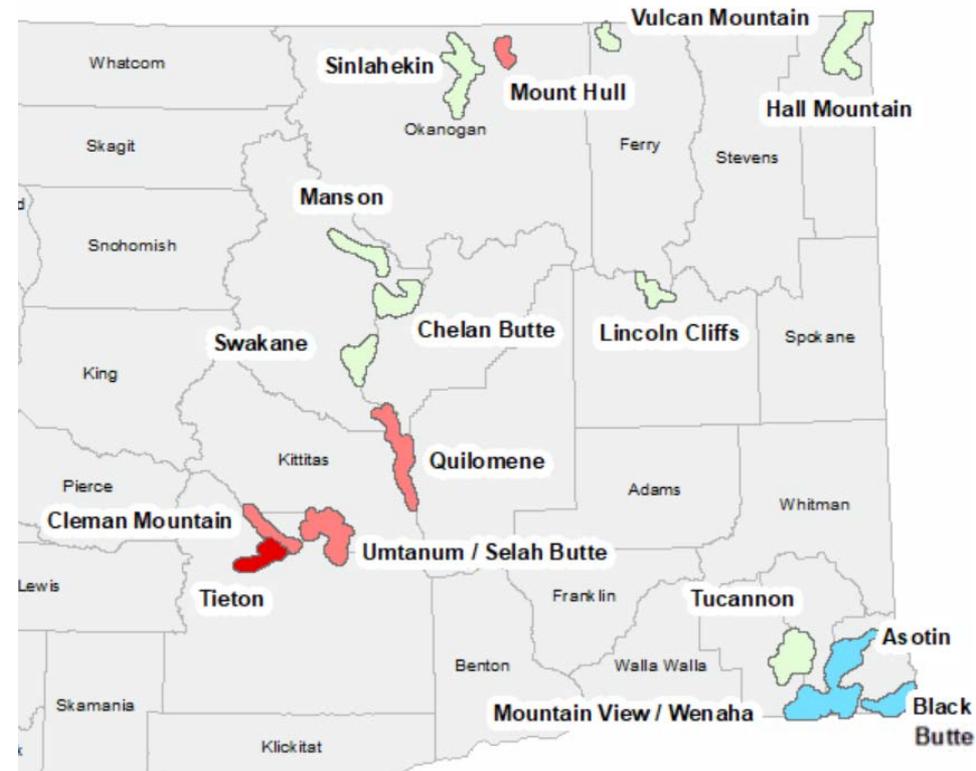
1. Reduce the "Goat Rocks East" hunt from 2 permits to 1
2. Recommended adjustment: reduce the "North Lake Chelan" hunt permits from 2 to 1

Mountain Goat Abundance, North Shore Lake Chelan (2012 - 2021)



# Bighorn sheep

- 17 populations (herds)
- Monitoring varies with local conditions and resources
- DFW attempts annual surveys for most herds
- Most recent estimates indicate ~1,500 bighorn sheep
- Pneumonia, caused by bacteria *Mycoplasma ovipneumoniae* is greatest management issue
  - 5 currently affected by *M. ovi*
  - 4 previously affected by *M. ovi*



# WAC 220-415-120

## Bighorn sheep seasons, permit quotas, and areas

### Proposed Change:

1. Reduce "Any Ram" permits in Selah Butte, Umtanum, Cleman Mtn, and Quilomene hunts
2. Eliminate Selah Butte and Umtanum "adult ewe," "juvenile ram," and "youth" permits
3. Suspend the Vulcan Mtn "Any Ram" hunt
4. Include GMU 186 and portions of 181 in the Mountain View – Black Butte "Any Ram" hunt area

Category	Hunt name	2021 Permits	2022 Proposed Permits	Change
Any Ram	Vulcan Mtn	1	0	-1
Any Ram	Selah Butte	4	2	-2
Any Ram	Umtanum	4	2	-2
Any Ram	Cleman Mtn	4	3	-1
Any Ram	Quilomene	5	3	-2
Adult Ewe	Selah Butte A	5	0	-5
Adult Ewe	Selah Butte B	6	0	-6
Adult Ewe	Selah Butte C	6	0	-6
Adult Ewe	Umtanum A	5	0	-5
Adult Ewe	Umtanum B	6	0	-6
Adult Ewe	Umtanum C	6	0	-6
Juvenile Ram	Selah Butte	1	0	-1
Juvenile Ram	Umtanum	1	0	-1
Youth	Selah Butte	5	0	-5
Youth	Umtanum	5	0	-5
Total Change:				-54



# Questions?

