Agenda Item 17

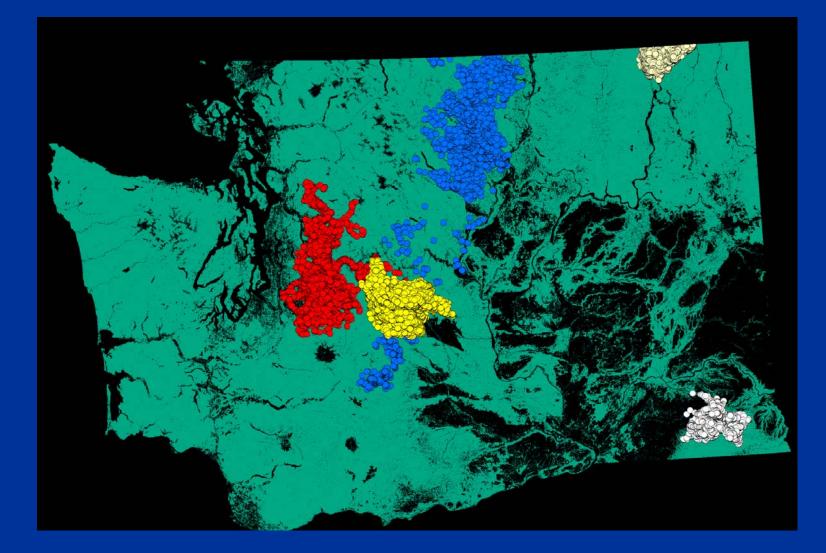
WAC 232-28-297 Cougar Hunting Seasons and Regulations

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WAC 232-12-243 Public Safety Cougar Removals

Information is subject to changes and amendments over time

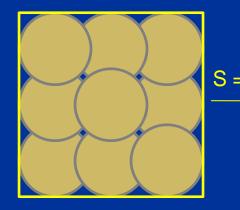
Scientific Process

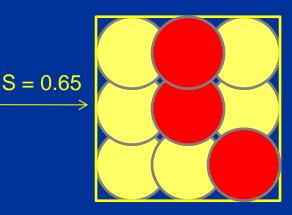


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Male Social Organization

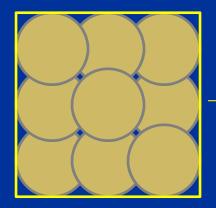
Light hunting (Cle Elum)



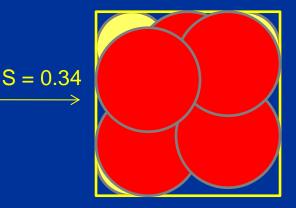




Heavy hunting (Wedge)



Information is subject to changes and amendments over time



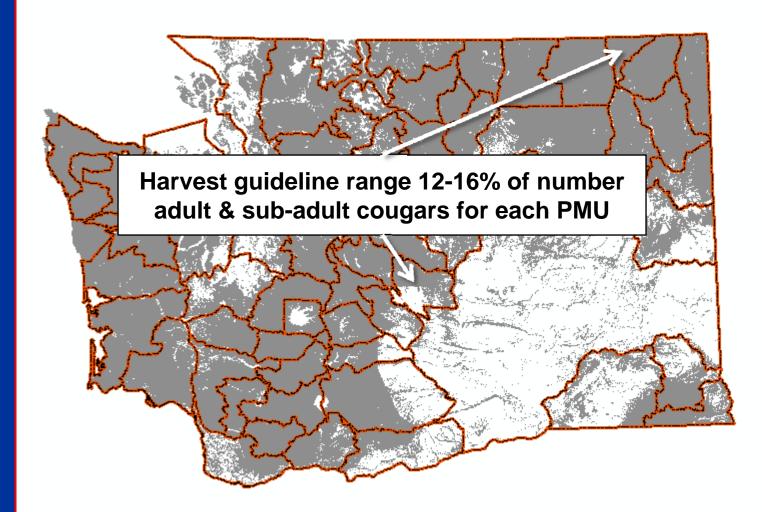
April 14, 2012 WDFW Commission meeting presentation



Morrison, D. E., R. B. Wielgus, G. M. Koehler, H. C. Cooley, and B. Maletzke. 2012. Effects of trophy hunting on female cougar (*Puma concolor*) population growth and persistence.

	Lightly Hunted	Heavy Hunted
Parameter	(Cle Elum)	(Wedge)
Female age classes	0-12 year olds	0-12 year olds
Litter size	2.47 (0.83)	2.63 (0.80)
Female fecundity	0.46 (0.27)	0.38 (0.25)
Kitten female survival	0.58 (0.06)	0.31 (0.09)
Yearling female survival	0.62 (0.06)	0.62 (0.09)
Adult female survival	0.87 (0.06)	0.66 (0.09)
Age of first reproduction	24 months	24 months
Initial female abundance	21	25

Harvest Guideline By PMU



Information is subject to changes and amendments over time

Vancouver Port Vancouver Coquittan Burnaby Coquittan Richmond Hew Surrey Westminster

Mission

Lakewood

Randle

Male (<u>></u>24mo) = 0.65 / 100 km² Female (<u>></u>24 mo) = 1.17 / 100 km² Sub-adults (18-23mo) = 24% of adult density

B 101 Olymois

Chehalis

Kelso

Port

Angeles

Male (<u>></u>24mo) = 0.23 / 100 km² Female (<u>></u>24mo) = 1.35 / 100 km² Sub-adults (18-23mo) = 24% of adult density

Ritzville

Walla Walla

Moses

Lake

Heppner

Republic

CANADA UNITED ST. TES

Wenatchee Wenatchee

Ellensburg

Yakima

Okanogan

Male (<u>></u>24mo) = 0.80 / 100 km² Female (<u>></u>24mo) = 1.07 / 100 km² Sub-adults (18-23mo) = 24% of adult density

Information is subject to changes, and and affendments over time as a cresher

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South Bend

Commission meeting presentation

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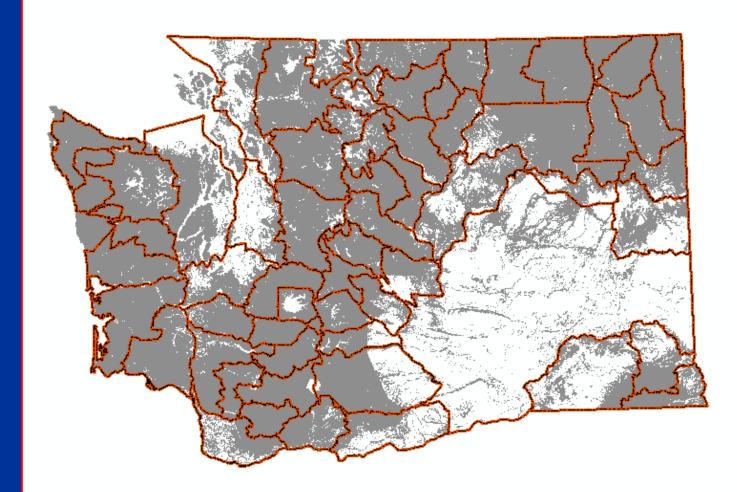
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Nashingto

Colville

Defining Management Unit Scale Cougar PMUs



Information is subject to changes and amendments over time

Statewide Recommendation

- Early season Sept 1 Dec 31
- Late season Jan 1 Mar 31
- Any legal weapon in both seasons
- Each hunt area (PMU) has a harvest guideline corresponding to 12-16% of cougar population (excluding kittens)
- Starting Jan 1, the Director may close hunt areas that meet or exceed the harvest guideline

Questions

Information is subject to changes and amendments over time