RARE CARNIVORES OF THE HIGH CASCADES Jocelyn Akins, Ph.D., Conservation Biologist





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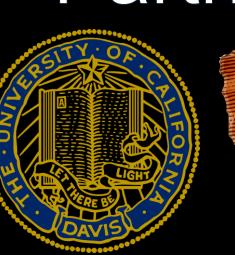
Our Mission

We study and protect carnivores at risk of extinction in mountain ecosystems through innovative science, strong partnerships and local community action.



Partners











WASHINGTON STATE







CASCADES



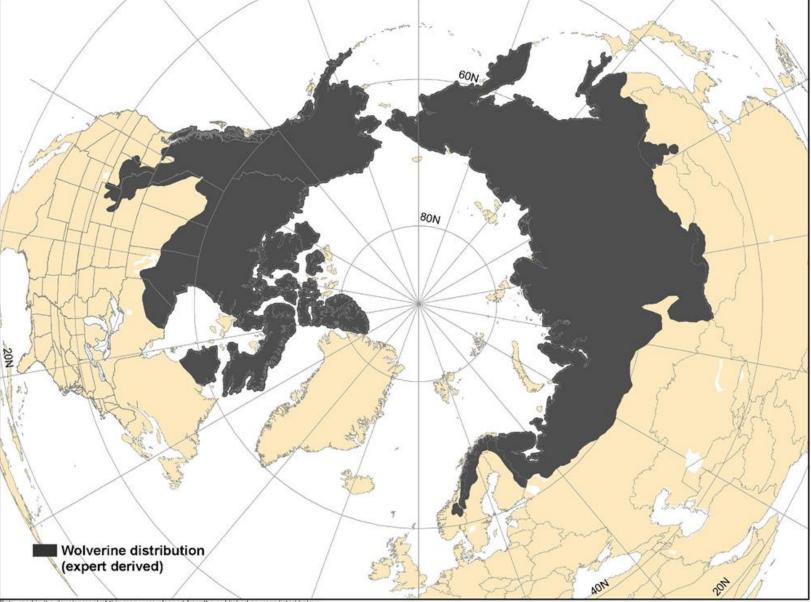
WOLVERINE PROJECT

RETURN OF WOLVERINES TO THE SOUTH CASCADES



Cuddeback Digital Camera 8/25/06 8:11 AM YN Wildlife

Worldwide Distribution of the Wolverine



Data used in the development of this map were gleaned from the published sources listed below. Boundaries were reviewed and refined by participants at the 1st International Wolverine Symposium, Jokkmokk Sweden, 2005. The Wolverine Foundation, Inc. offers this map as a representation based on the best information available but makes no claims as to its accuracy.

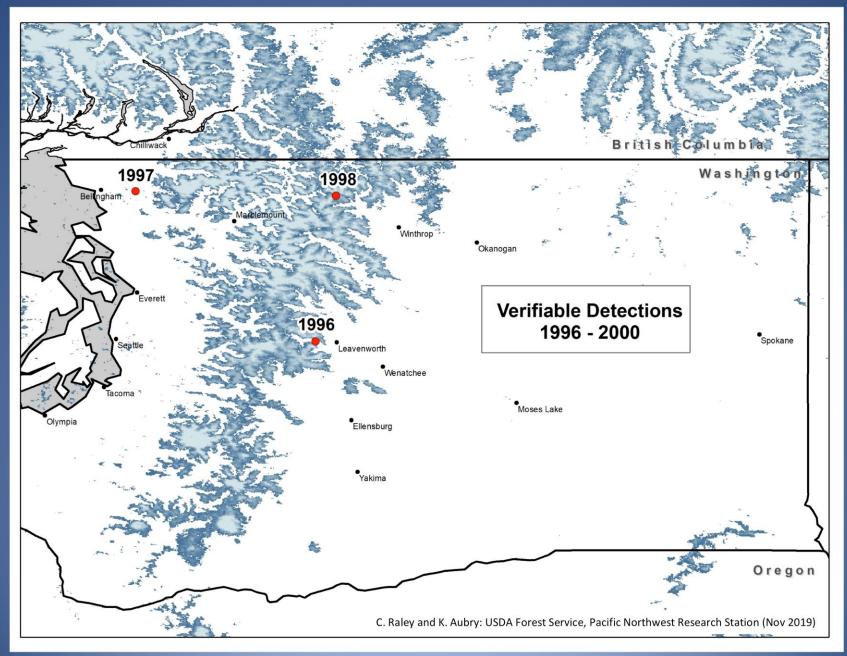
Novikov, G. A. 1962. Carnivorous mammals of the fauna of the USSR. Academy of Sciences of the USSR, Israel Program for Scientific T Landa, A., M. Linden, and L. Kojola. 2000. Action plan for the conservation of wolverines (Gulo gulo) in Europe. Convention on the conse Renzhu, P. 2000. The Chinese Wolverine. Sciences Rowshore Rowshore

Renzhu, P. 2000. The Chinese Wolverine. Science Books [Published in Chinese with English Summary]. 191pp. Aubry, K. B., K. S. McKelvey, and J. P. Copeland. 2007. Distribution and broadscale habitat relations of the wolverine in the contiguous United States.

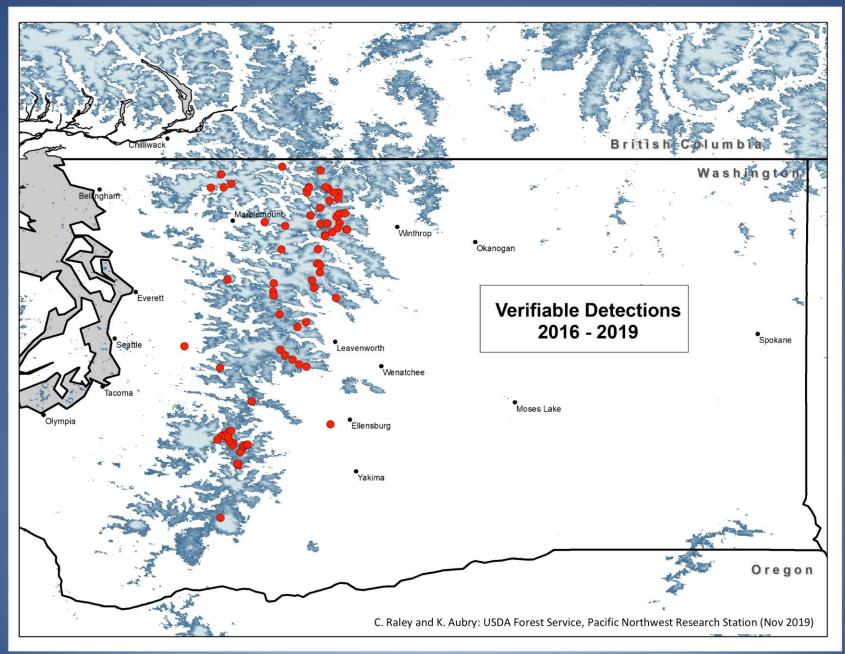


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CHANGES IN WOLVERINE OCCURRENCE



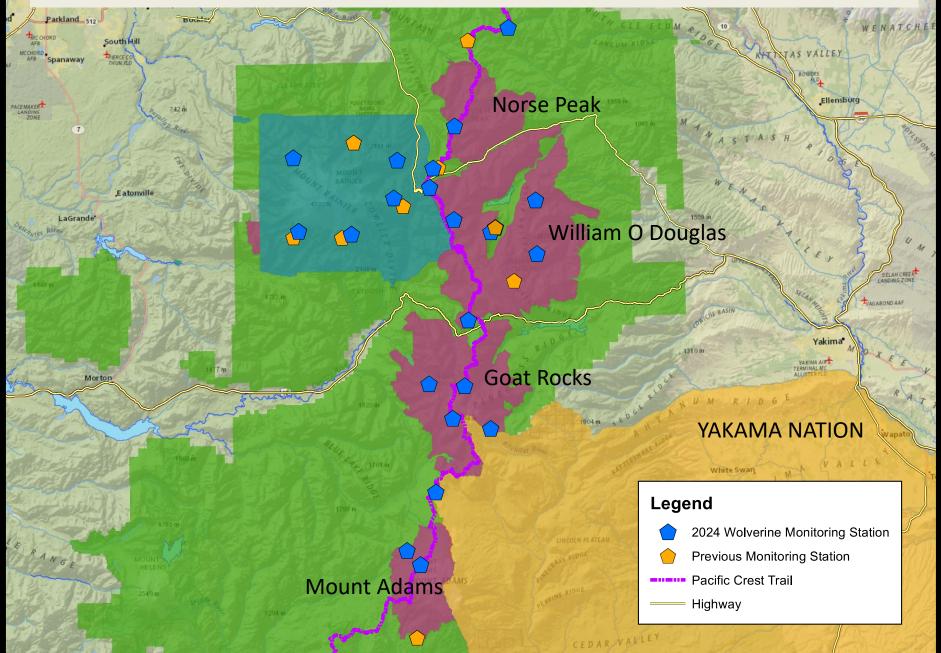
CHANGES IN WOLVERINE OCCURRENCE

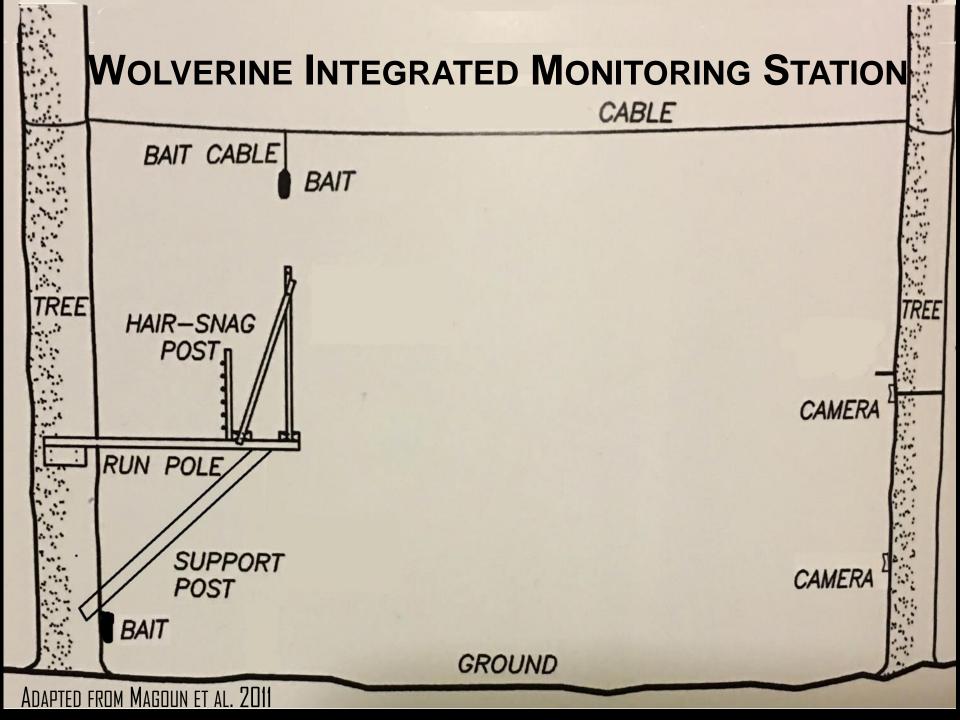






SOUTH CASCADES WOLVERINE STUDY





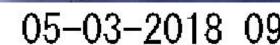






MAY 3, 2018

15S





September 25, 2018









8 27°C 09:08AM 24.57 inHg-06/28/2023 CCP MR23



8 26°C 06/28/2023 09:06AM CCP MR23 24.57 inHg -

Cascade red fox (Vulpes vulpes cascadensis)



© Anthony Carado

MOUNTAIN FOXES

CASCADE RED FOX NEVADA RED FOX

PHOTO: ANTHONY CARADO

PHOTO: YOSEMITE NP

ROCKY MOUNTAIN RED FOX

PHOTO: PATRICK CROSS

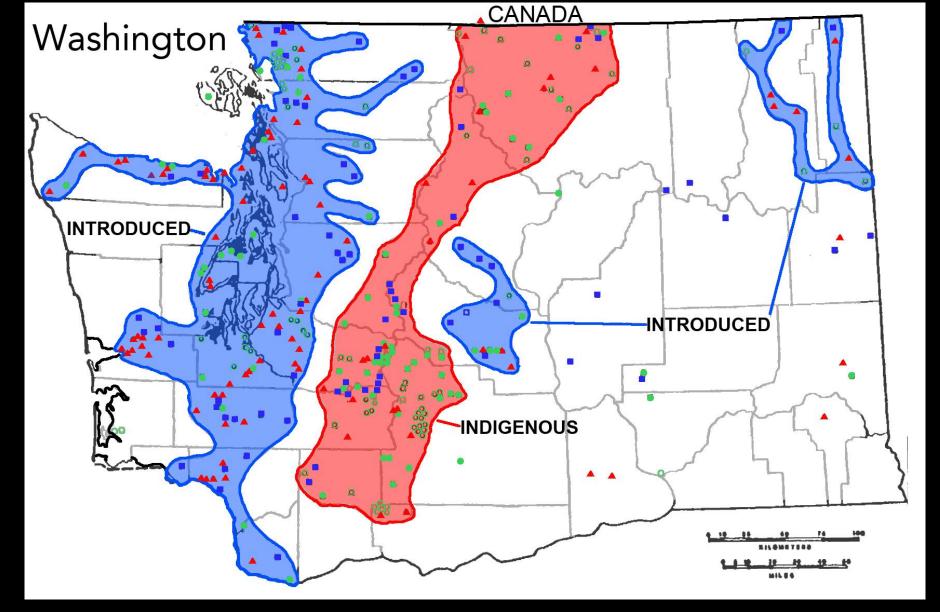
Illinoian Ice Age: 300,000 to 130,000 ybp



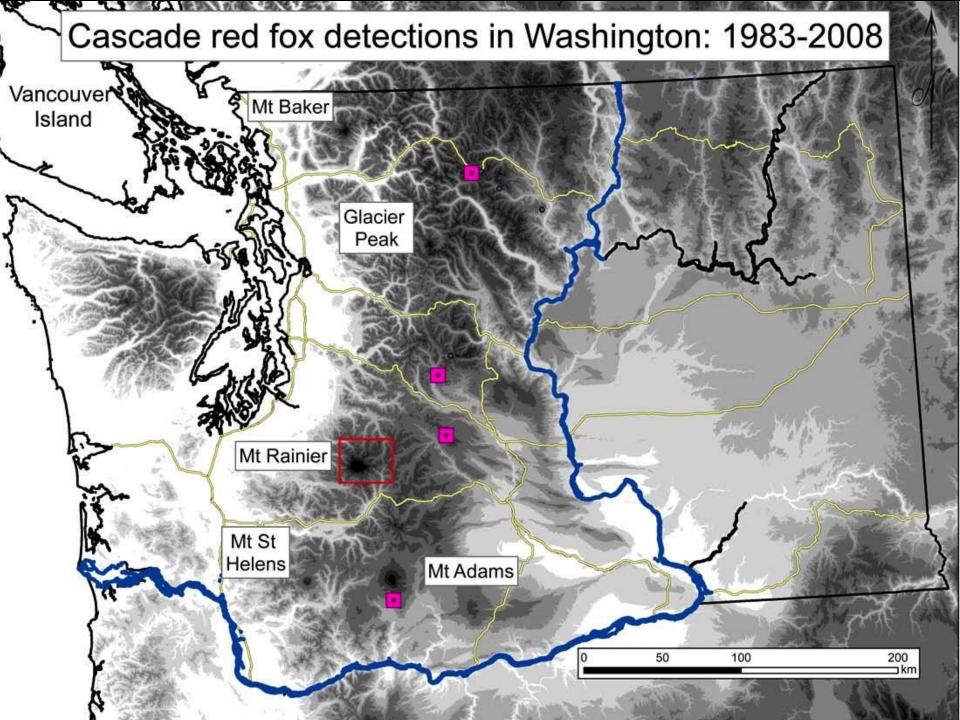
Wisconsin Ice Age: 110,000 to 12,000 ybp







Red fox distribution: 1890s – 1983: Trapper record (red triangle), museum specimen (green circle), sighting report (blue square). Hollow symbols are pre-1970. From Aubry (1984)





Local News

Environment | Local News

WA lists the Cascade red fox as endangered

Oct. 11, 2022 at 9:00 am | Updated Oct. 11, 2022 at 5:27 pm









Photo by Duncan Mullen

Photo by Bob Rae

Photo by Antonia Parrish





Scat Collection & Analysis

- Intensively surveyed along trails and at passes or other natural wildlife corridors
- Scats are also archived for long-term preservation and future individual ID
- Samples sent for DNA metabarcoding
- Diet profiles created
 - DNA reads of prey species



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Photo: Kater Shively