

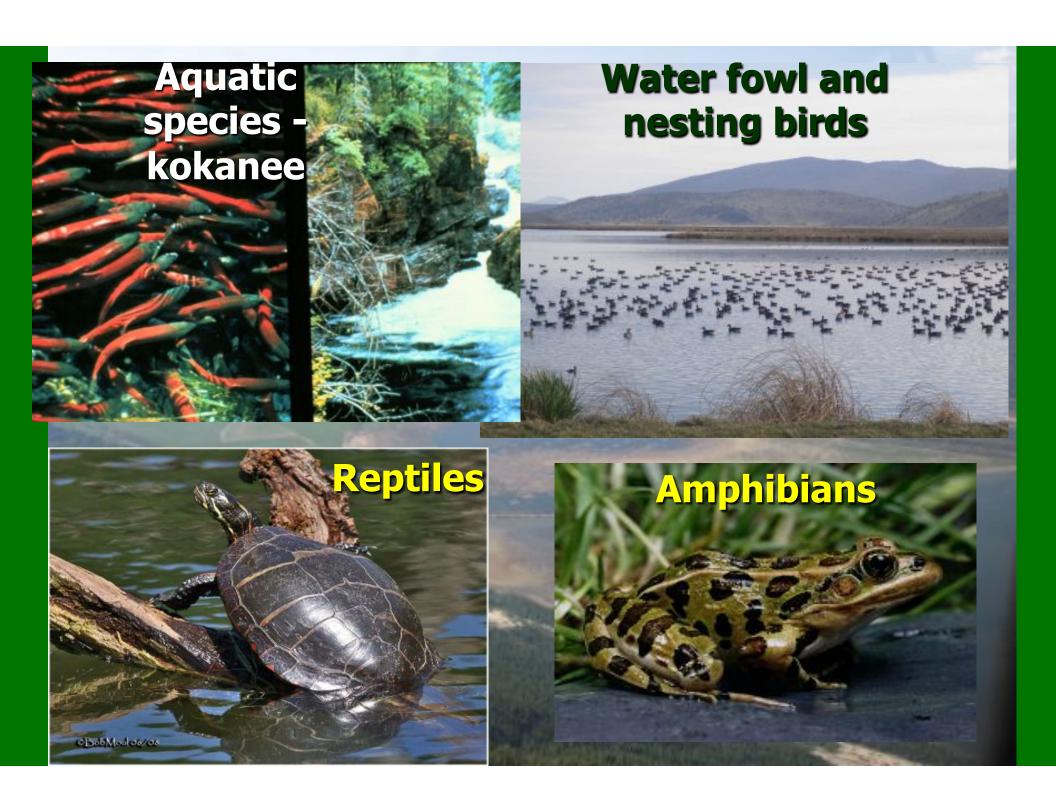
Grizzly bears use many habitat types that overlap many species a good umbrella species

If grizzly bears are doing OK then many types of habitats that support many species are likely doing OK

Grizzly bears - one of the most sensitive species a good indicator species







Ungulates









Predators









WILDLIFE



Grizzly be at linkage area identification using GPS tolemetry and habitat modeling in the fragmented trave-border region of southern British Columbia and northern Montana and Idaho

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Grizzly bear linkage enhancement plan for Highways 3 & 3A corridors in the south Purcell and Selkirk Mountains of British Columbia



Researched and prepared by The Trans-border Grizzly Bear Project Michael Proctor⁶ Chris Servheen?

TIMENTATION

PO box 806 . Marin, BC . VOC 150 . Canada . memotos Snielides com ² US Fish and Wildlife Service. College of Forestry and Conservation, 309 University Hall, University of Montana, Missoula, MT 69812, USA 3 US Fish and Wedle Service 475 Fish Hatchery Road Libby, MT 59923 USA March 2008



Michael Proctor, Birchdale Ecological Wayne Kasworm, USFWS Wayne Wakkinen, Idaho Fish & Game Chris Servheen, USFWS

Prepared for

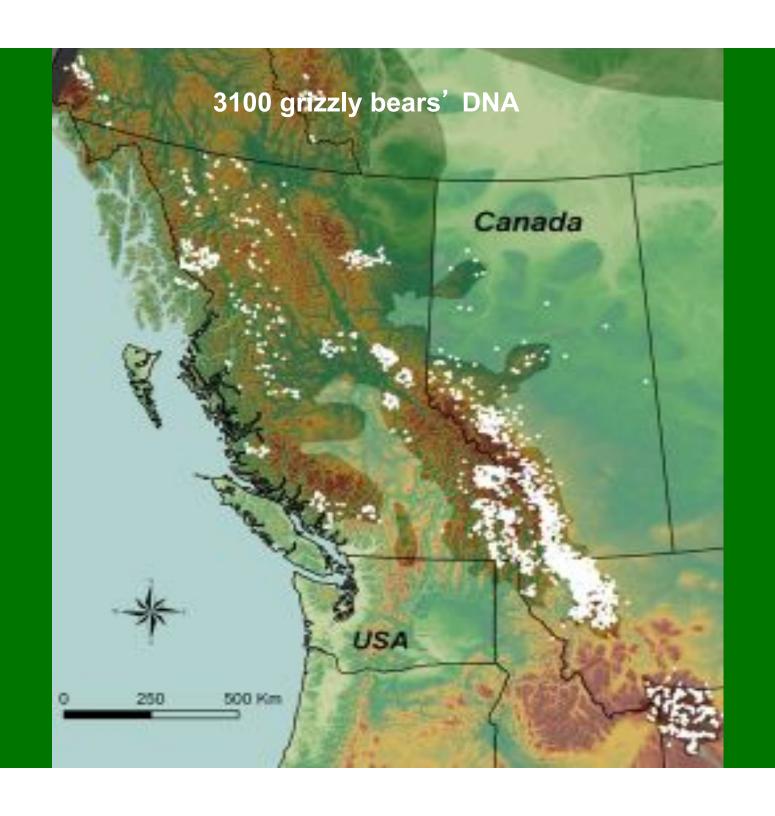
Great Northern Landscape Conservation Cooperative
Liz Claiborne Art Ortenberg Foundation
Wilburforce Foundation
Habitat Conservation Trust Foundation
Columbia Basin Fish Wildlife Compensation Program
National Fish and Wildlife Foundation
Yellowstone to Yukon Conservation Initiative

December 2012

WILDLIFE

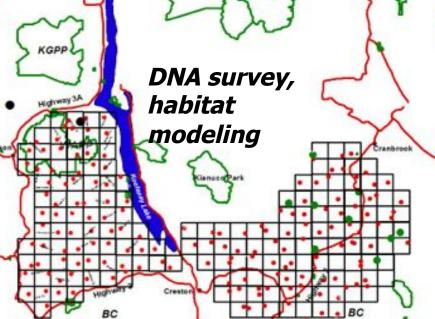
WAR WILL SWANG STREET





DNA sampling







Population estimation

Fragmentation

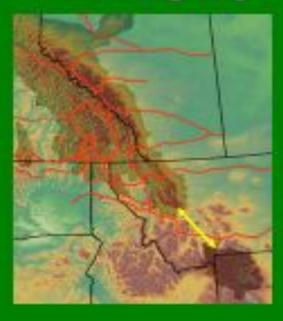
Habitat modeling

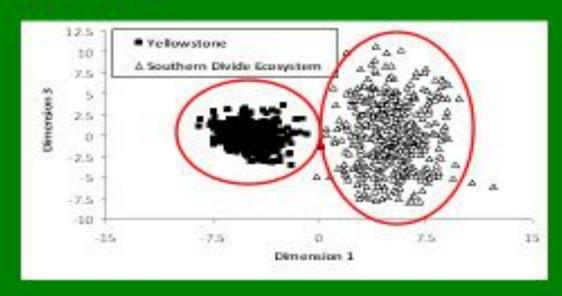




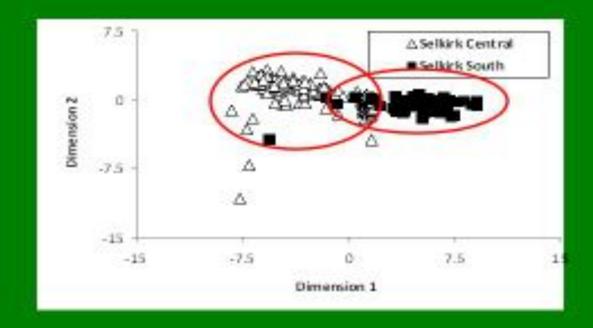


Highly fragmented



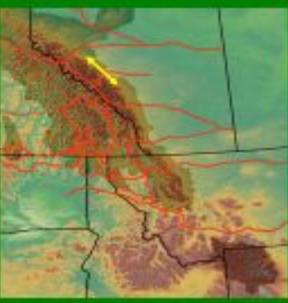


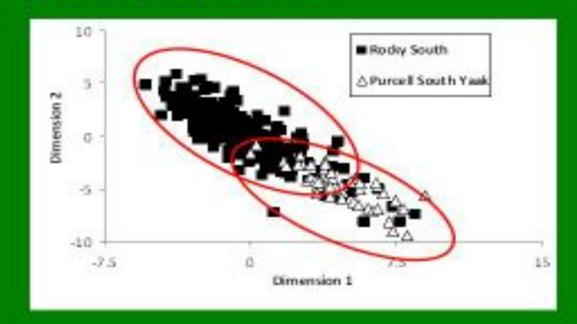


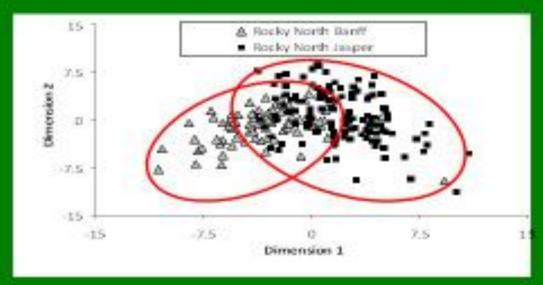


Moderately fragmented

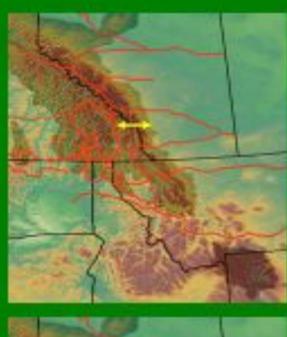


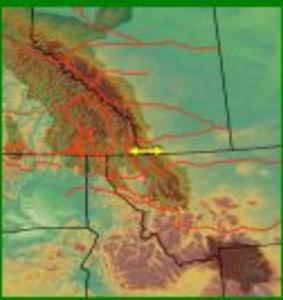


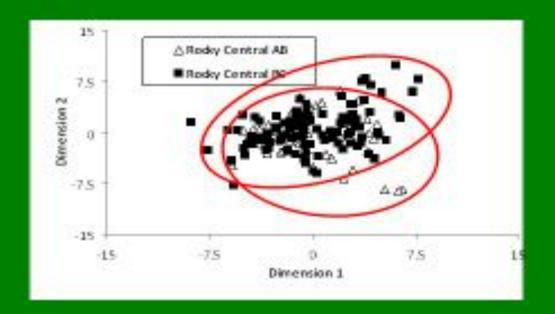


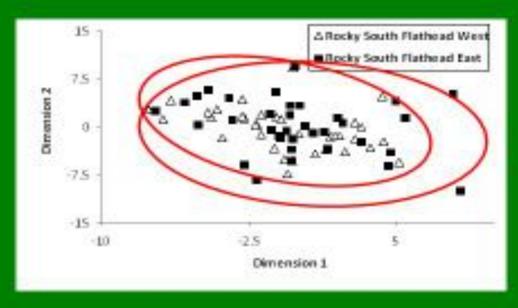


Not fragmented



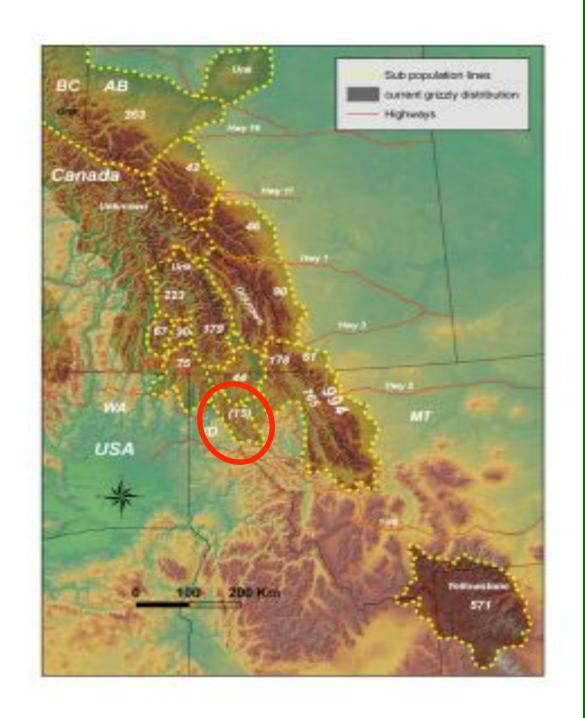




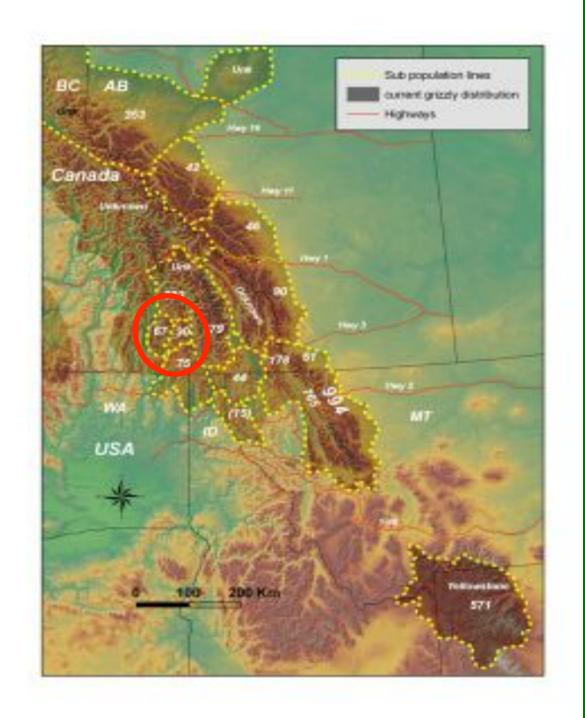


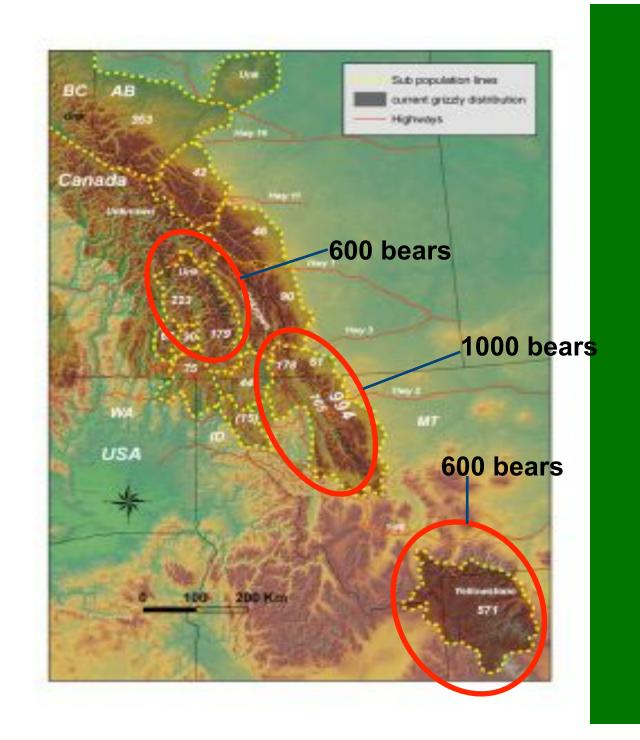


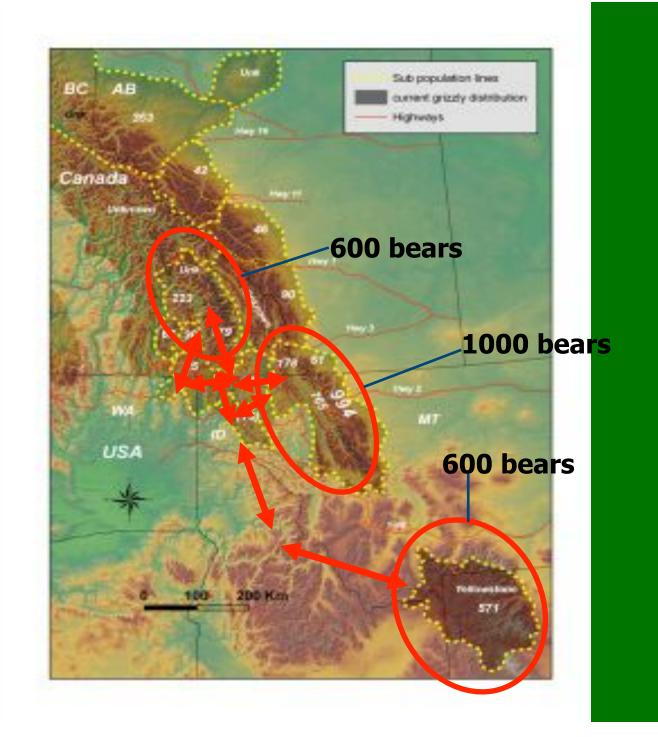












What is causing the fragmentation?











Grizzly be at linkage area identification using GPS tolemetry and habitat modeling in the fragmented trave-border region of southern British Columbia and northern Montana and Idaho

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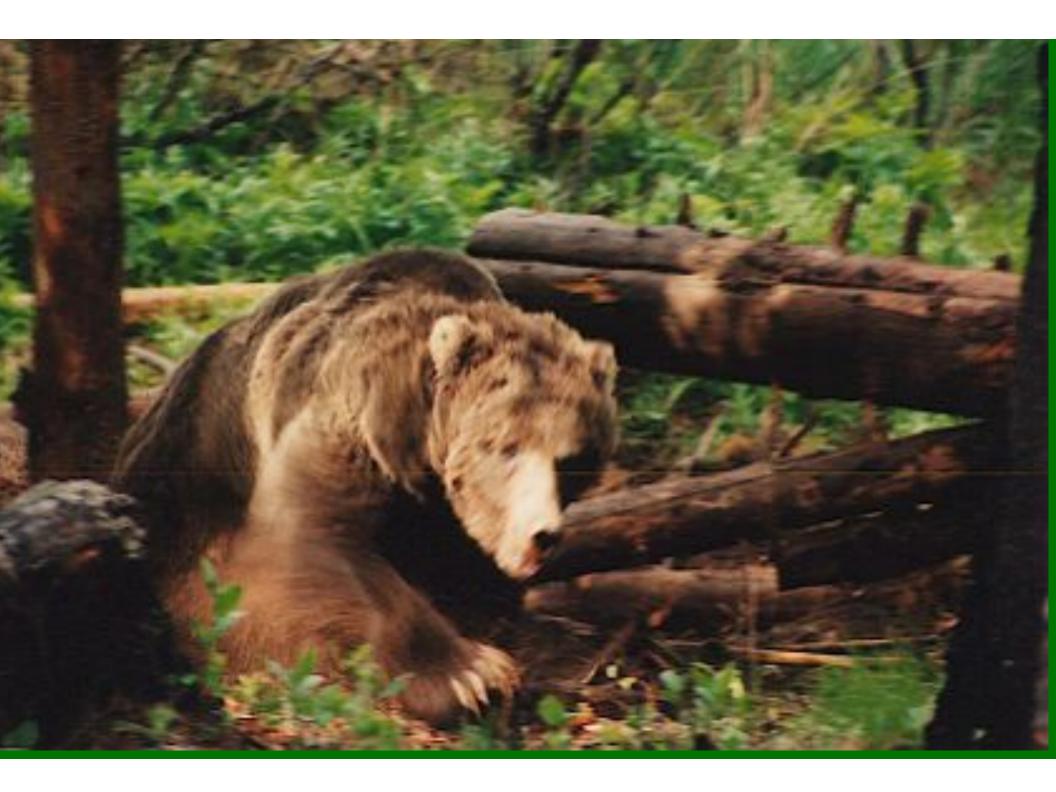
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GPS telemetry























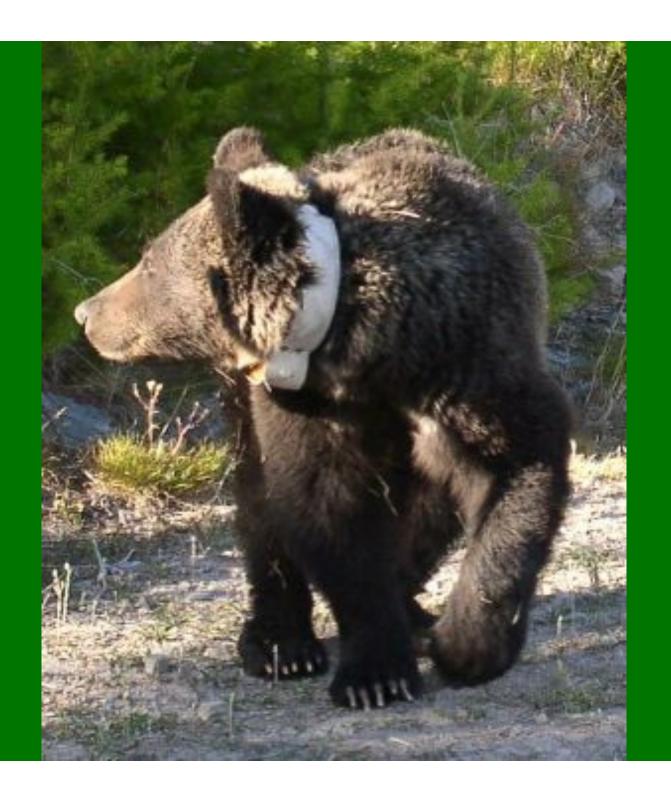


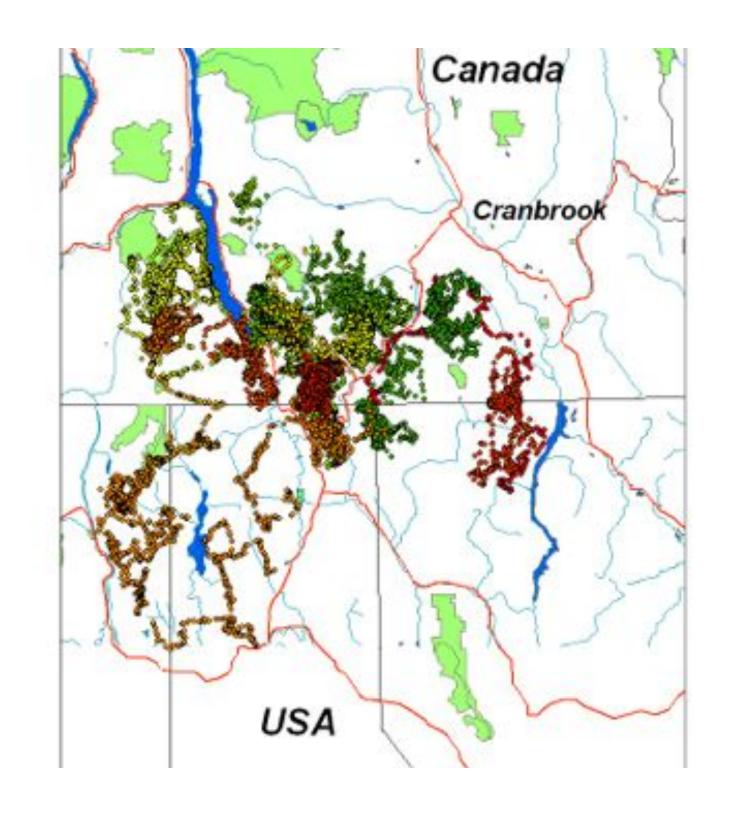


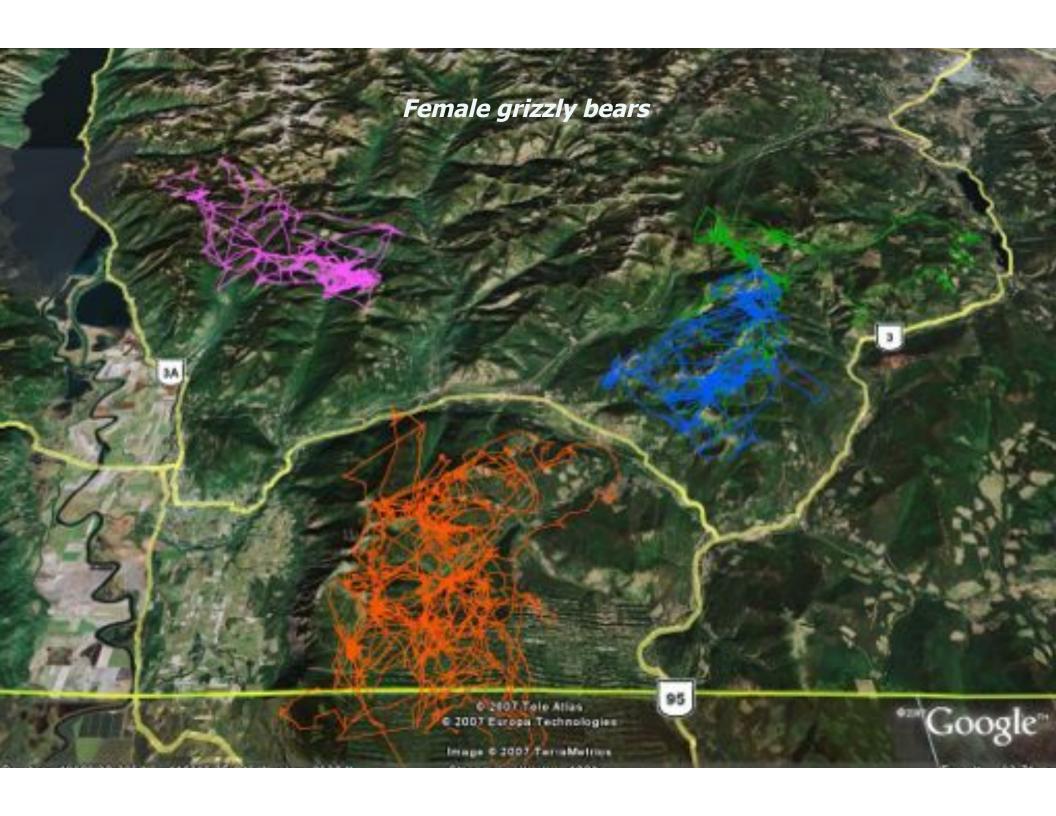


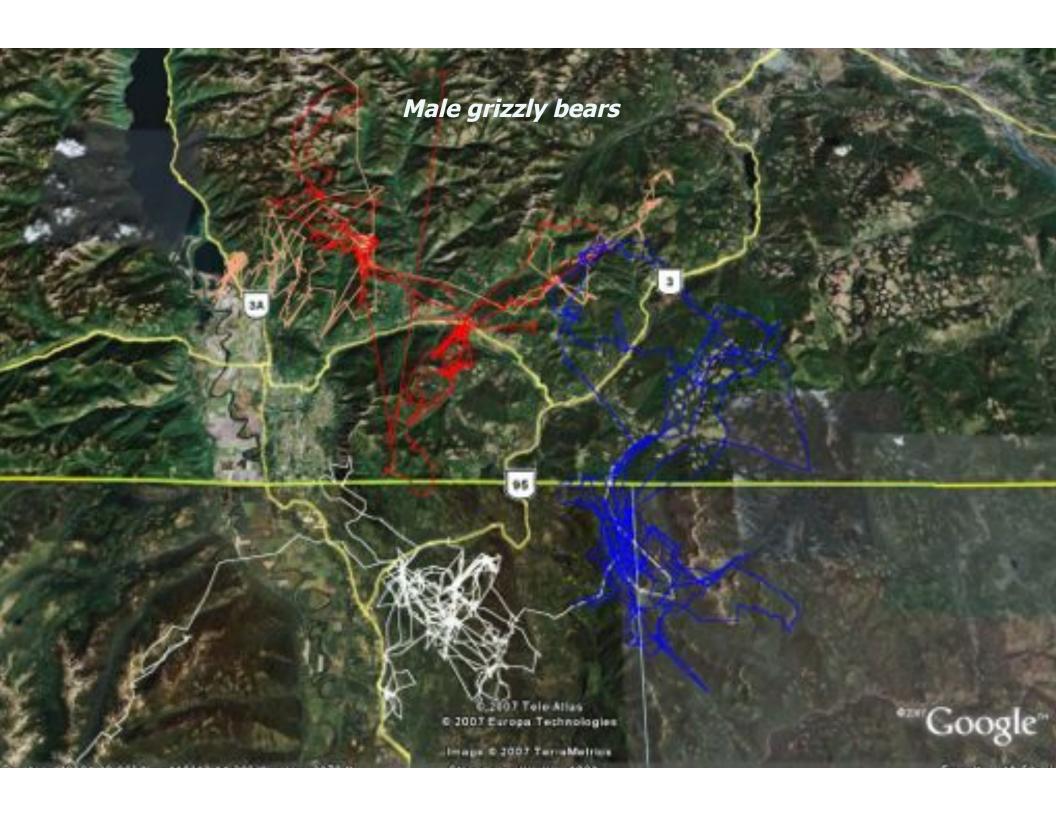


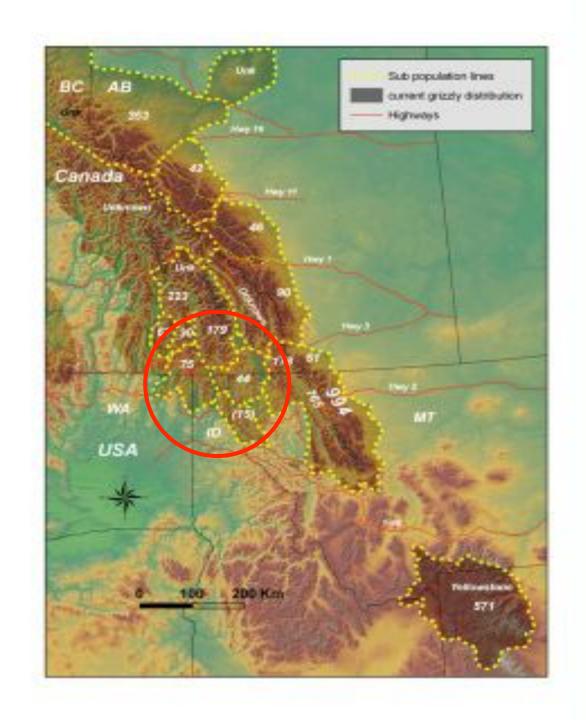




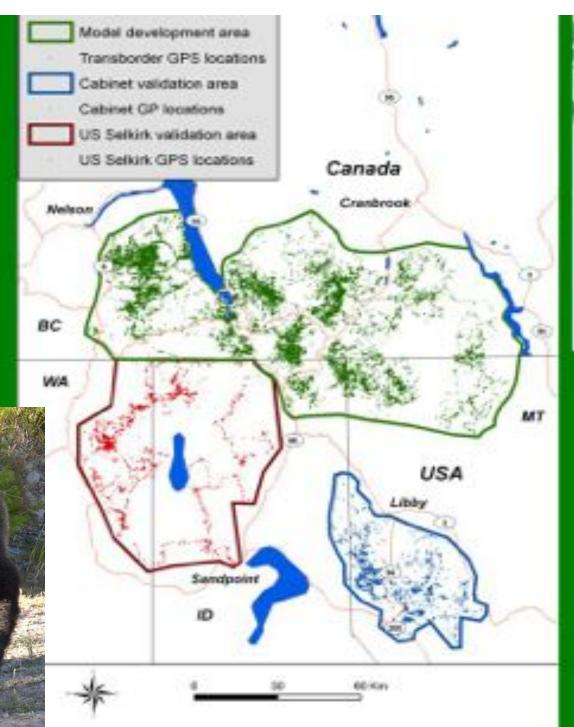




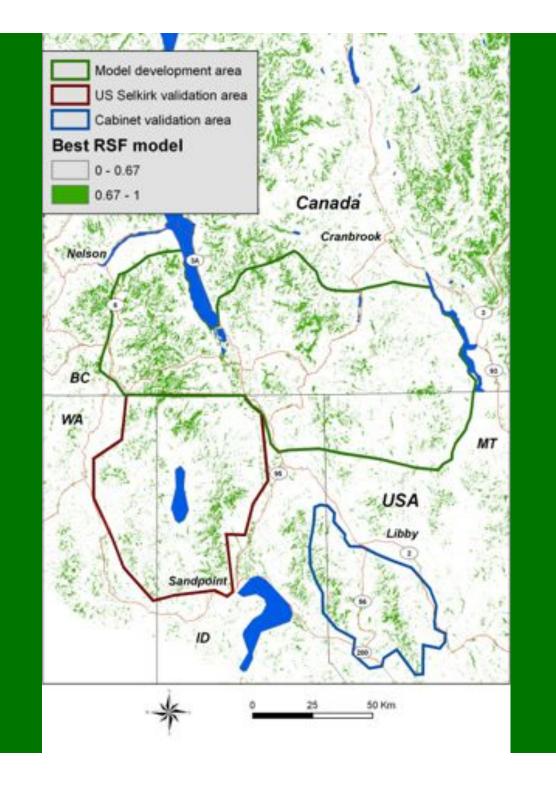


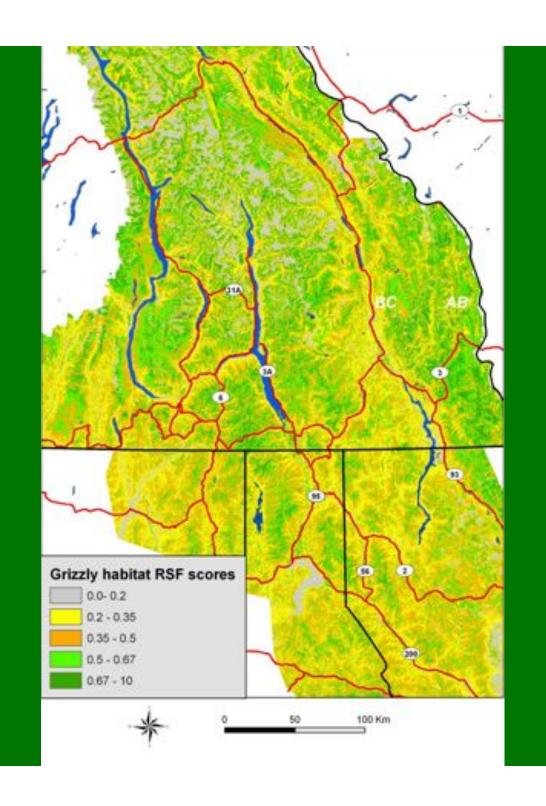


~40,000
GPS
locations

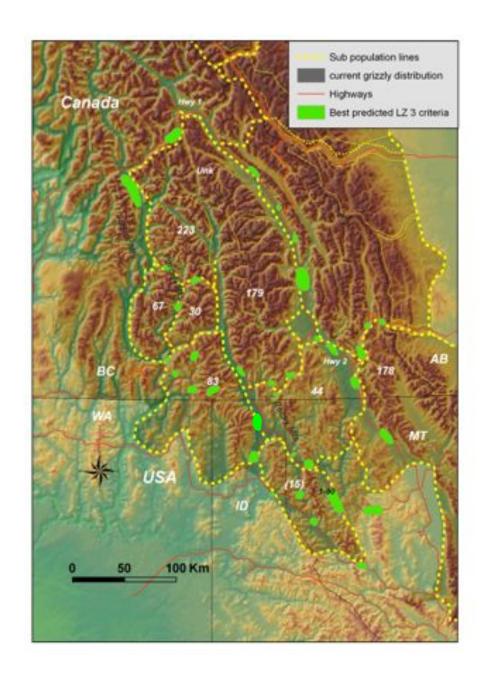






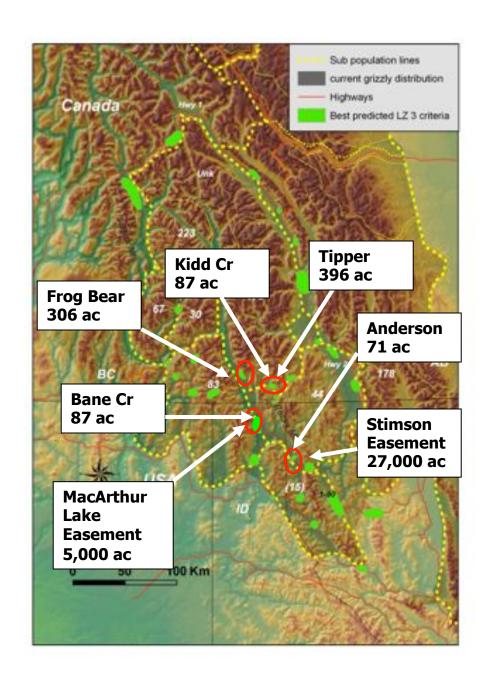


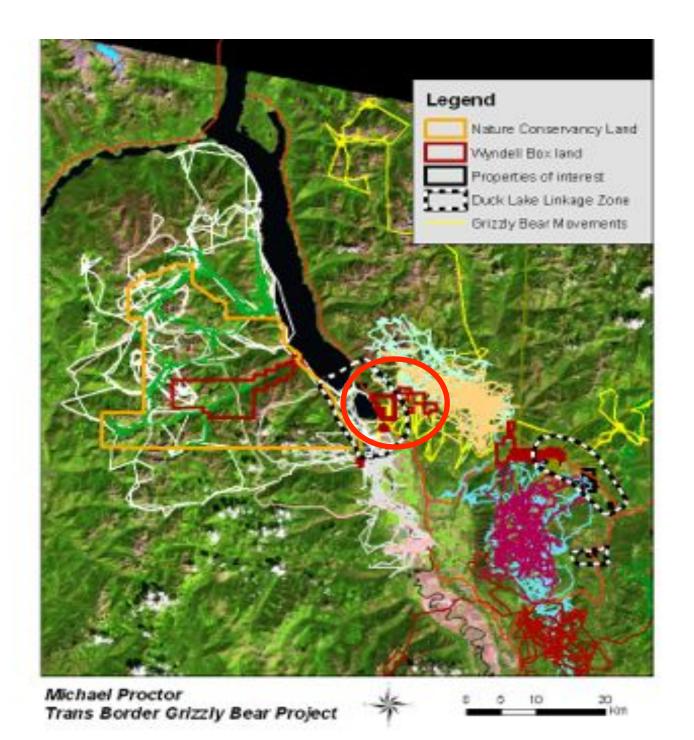
Identified 39 linkage areas across 14 major highway and settlement corridors



Grizzly bear linkage enhancement plan for Highways 3 & 3A corridors in the south Purcell and Selkirk Mountains of British Columbia















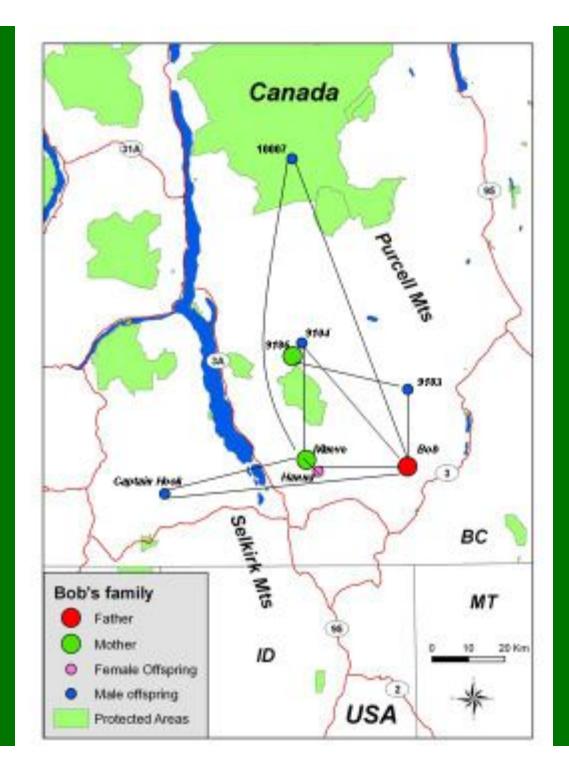
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Prepared for

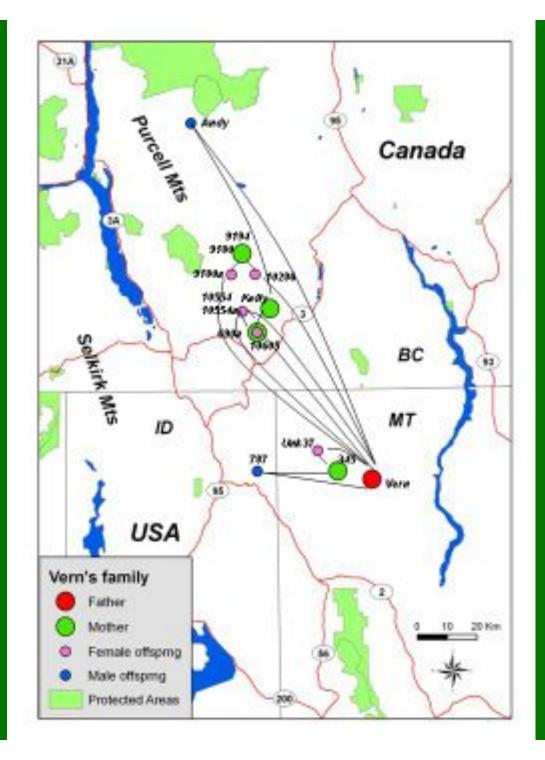
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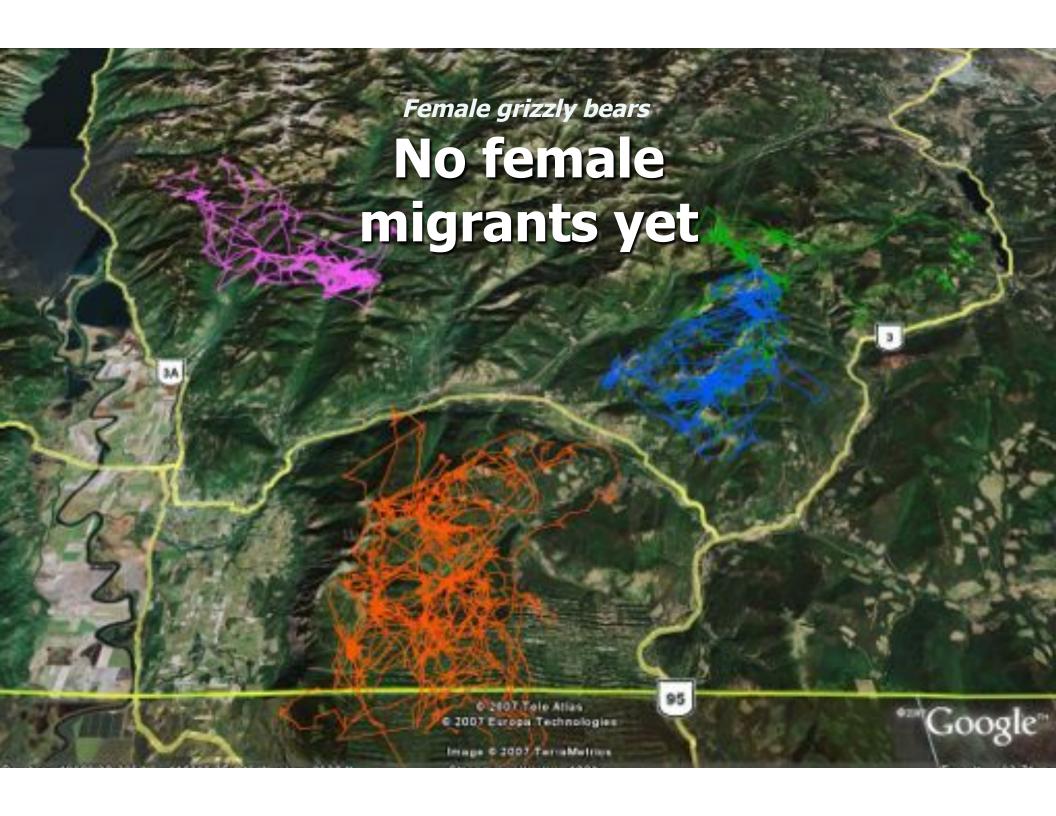
December 2012

Male dispersal



Male breeding across BC Hwy 3











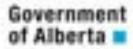








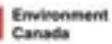




































Funders

Habitat Conservation Trust Foundation
Fish & Wildlife Compensation Program
National Fish & Wildlife Foundation
Liz Claiborne & Art Ortenberg Foundation
US Fish & Wildlife Service
Wilburforce Foundation
Great Northern Landscape Conservation
Cooperative

Yellowstone to Yukon Conservation Initiative

Nature Conservancy of Canada Columbia Basin Trust Parks Canada Alberta Ingenuity NSERC Killam Trust

Tembec Industries
BC Min of Environment
BC Min of Forests
BC Parks
Creston Valley Wildlife Management Area











Fish & Wildlife Compensation Program



















QUICK LINKS

Linkage Zones Bear Aware Report a problem grizzly Bear-proof your home site **Electric fencing Education slide shows Know your bear species**

Help us teach grizzly bears to avoid trouble. Learn how



Our goal is to use science to understand conservation challenges for grizzly bears in the Trans-border southern Selkirk and Purcell Mountains of British Columbia, NW Montana, and N Idaho and implement our researched solutions

Use this website to see how grizzly bears in this area are doing, what we are doing, and what you can do.

SCIENCE **UNDERSTANDING SOLUTIONS** **CONTACT US**

CONSERVATION SOLUTIONS





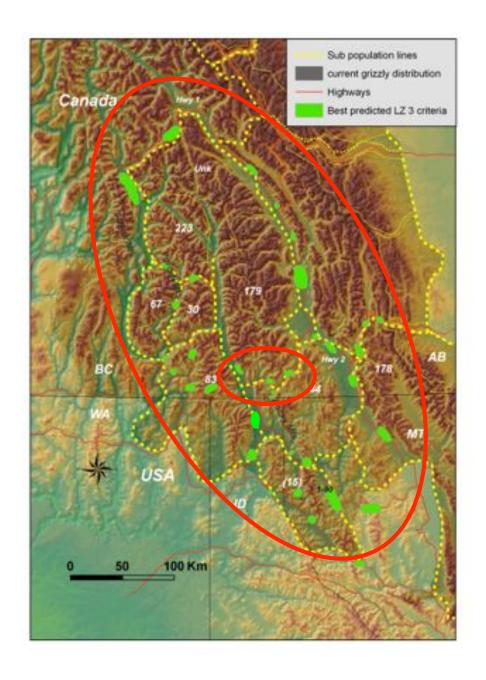


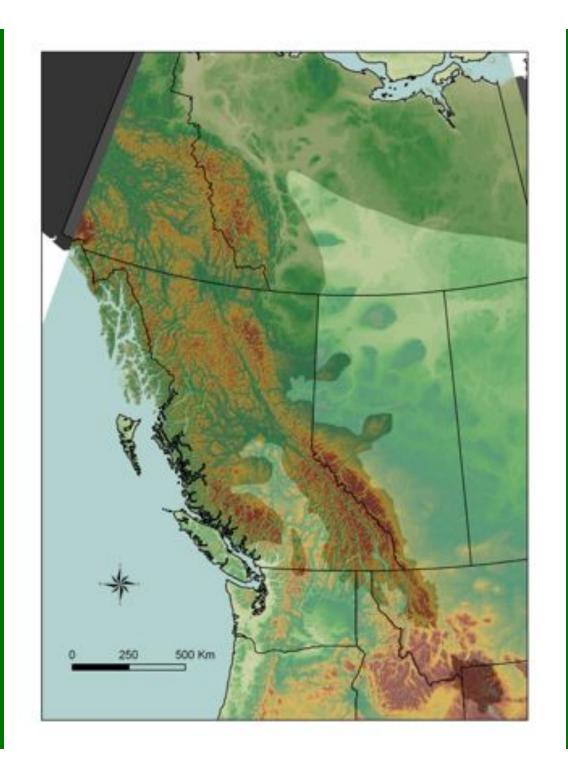


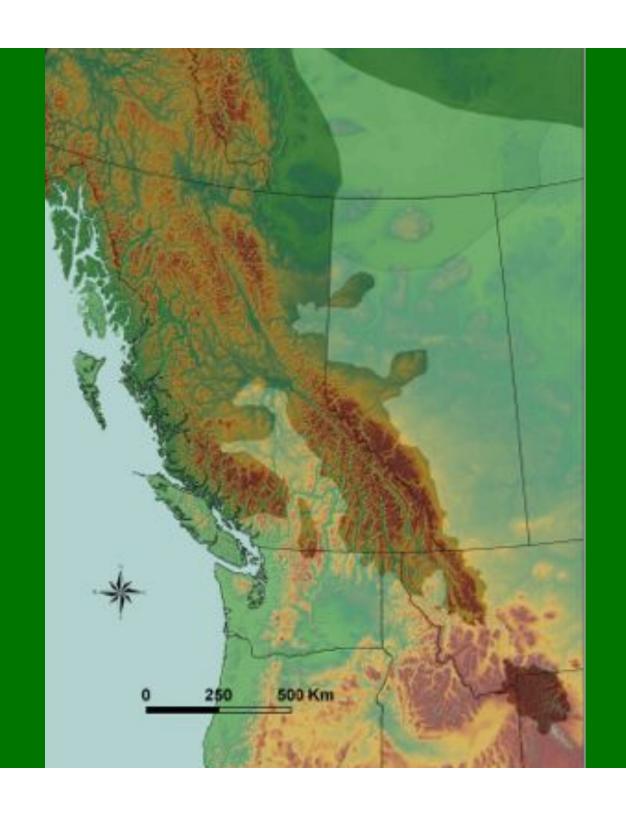


We are starting a

Linkage area assessment and prioritization analysis







Current and historical North American grizzly bear distribution





