



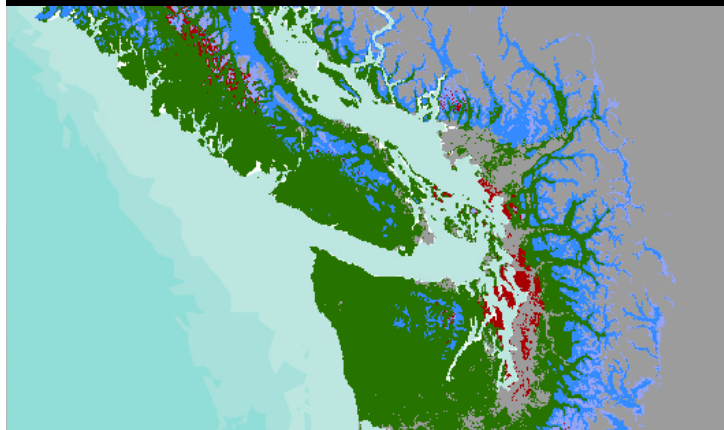
Relative Climate Change Sensitivity of Species in the Pacific Northwest

5th Annual Pacific Northwest Climate Science Conference, September 9, 2014

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University of Washington

PNW Vulnerability Assessment

www.climatevulnerability.org



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Climate Change Sensitivity Database

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Welcome to the Climate Change Sensitivity Database.

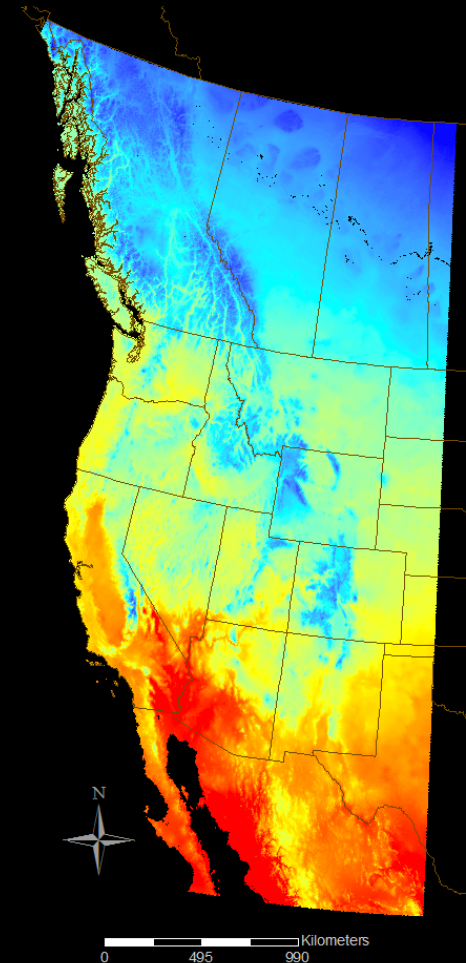
Climate changes poses a daunting challenge to natural resource managers and in response the University of Washington has partnered with key collaborators to conduct a climate change sensitivity assessment. This assessment is designed to evaluate the sensitivity of the species and ecological systems of the Pacific Northwest to climate change.

This digital database summarizes the inherent climate-change sensitivities for species and habitats of concern throughout the Pacific Northwest and will provide resource managers and decision makers with some of the most basic and most important information about how species and systems will likely respond to climate change.

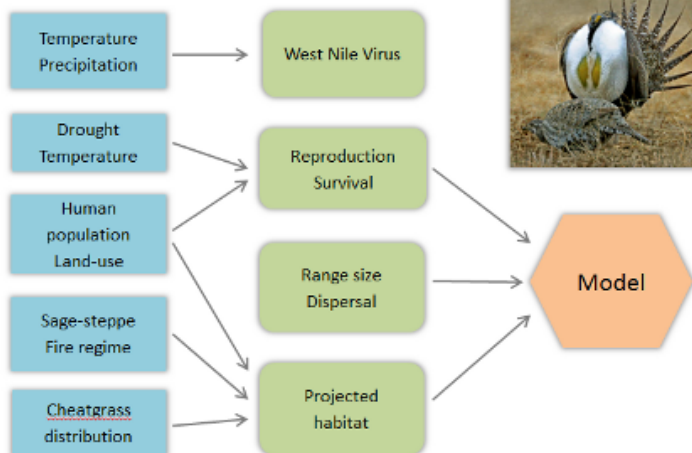
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Recent

- Pinus albica Updated:
- Western US Updated:
- Pendion hal Updated:
- Circus cyane Updated:
- Accipiter co Updated:



Greater sage-grouse



What is vulnerability to climate change?



Vulnerability



sensitivity



exposure



adaptive
capacity

Sensitivity

www.climatechangesensitivity.org

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Welcome to the Climate Change Sensitivity Database.

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Please come take a look!

Recent Updates

[Pinus albicaulis](#)

Updated: 1 week 55 min ago

[Western US](#)

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[Pandion haliaetus](#)

Updated: 1 week 5 days ago

[Circus cyaneus](#)

Updated: 1 week 5 days ago

[Accipiter cooperii](#)

Updated: 1 week 6 days ago

Sensitivity

Generalist or specialist
Physiological factors
Life history
Sensitive habitats
Dispersal abilities
Disturbance regimes
Ecological relationships
Interacting non-climatic
factors
Other factors



Pinus albicaulis - Entire range

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December 29, 2010 by Michael Case

Author(s) Expertise:

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Sensitivity Factor	Sensitivity ?	Confidence ?
Generalist/Specialist	4 Medium-High	3 Fair
Physiology	3 Medium	2 Poor
Life History	5 High	3 Fair
Habitat	7 Extremely High	5 Very Good
Dispersal Ability	6 High	3 Fair
Disturbance Regimes	4 Medium-High	5 Very Good
Ecology	5 High	3 Fair
Non-Climatic	7 Extremely High	5 Very Good
Other (weight)		4 Good

Sensitivity Score ?: 74 High

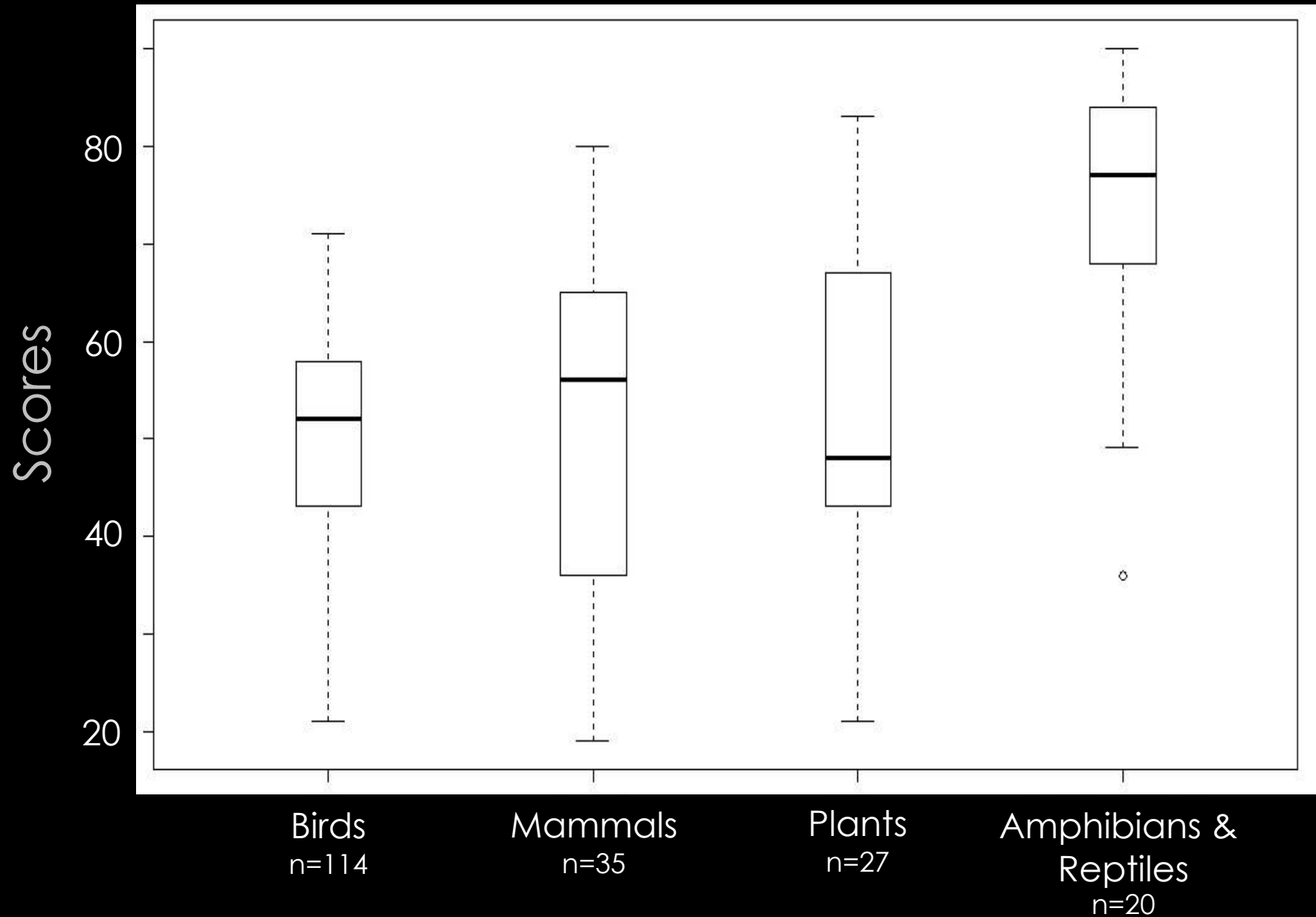
Confidence Score ?: 3 Fair

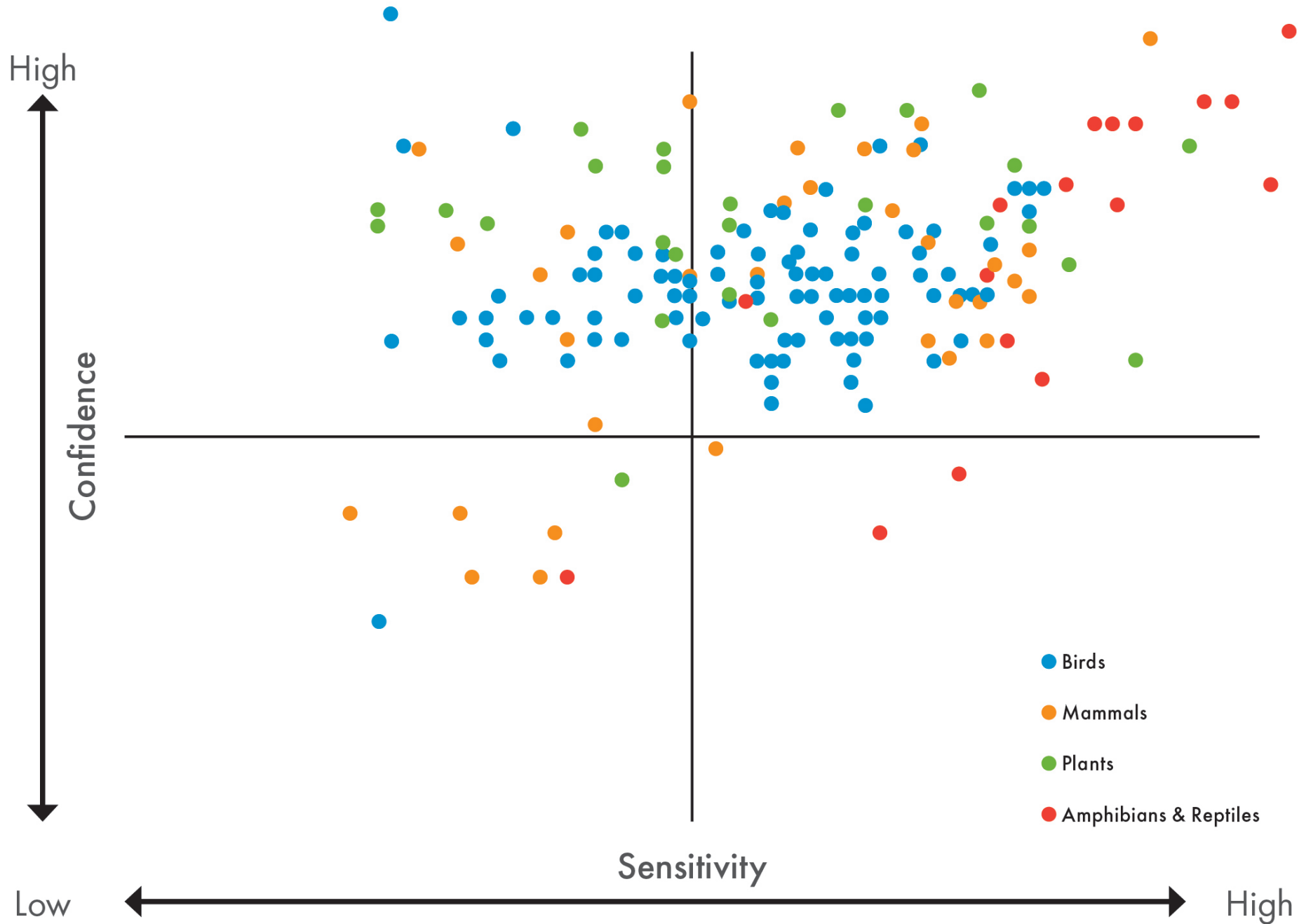
Overall User Ranking: 5 High

Common Name: Whitebark Pine

Is this Species completed: Yes

Sensitivity Scores by Taxonomic Groups





Sensitive Habitats

Birds



Mammals



Amphibians &
Reptiles



Dispersal Abilities

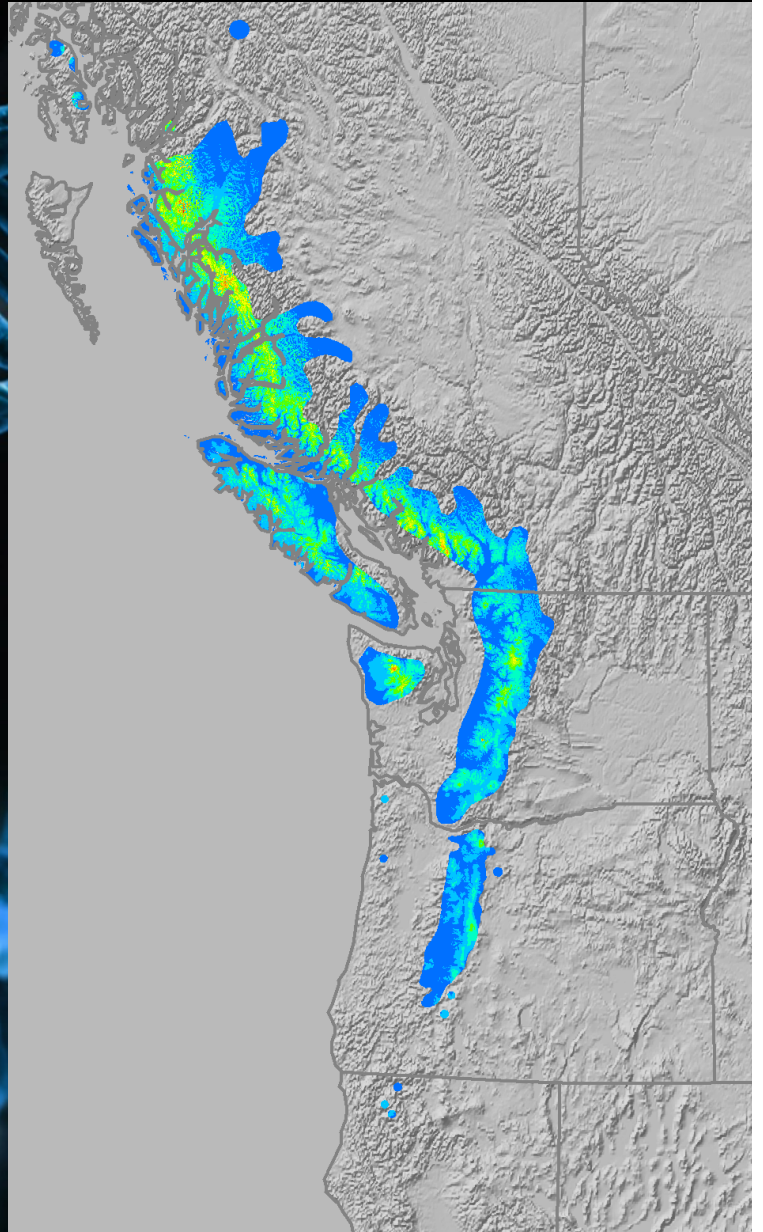
Plants

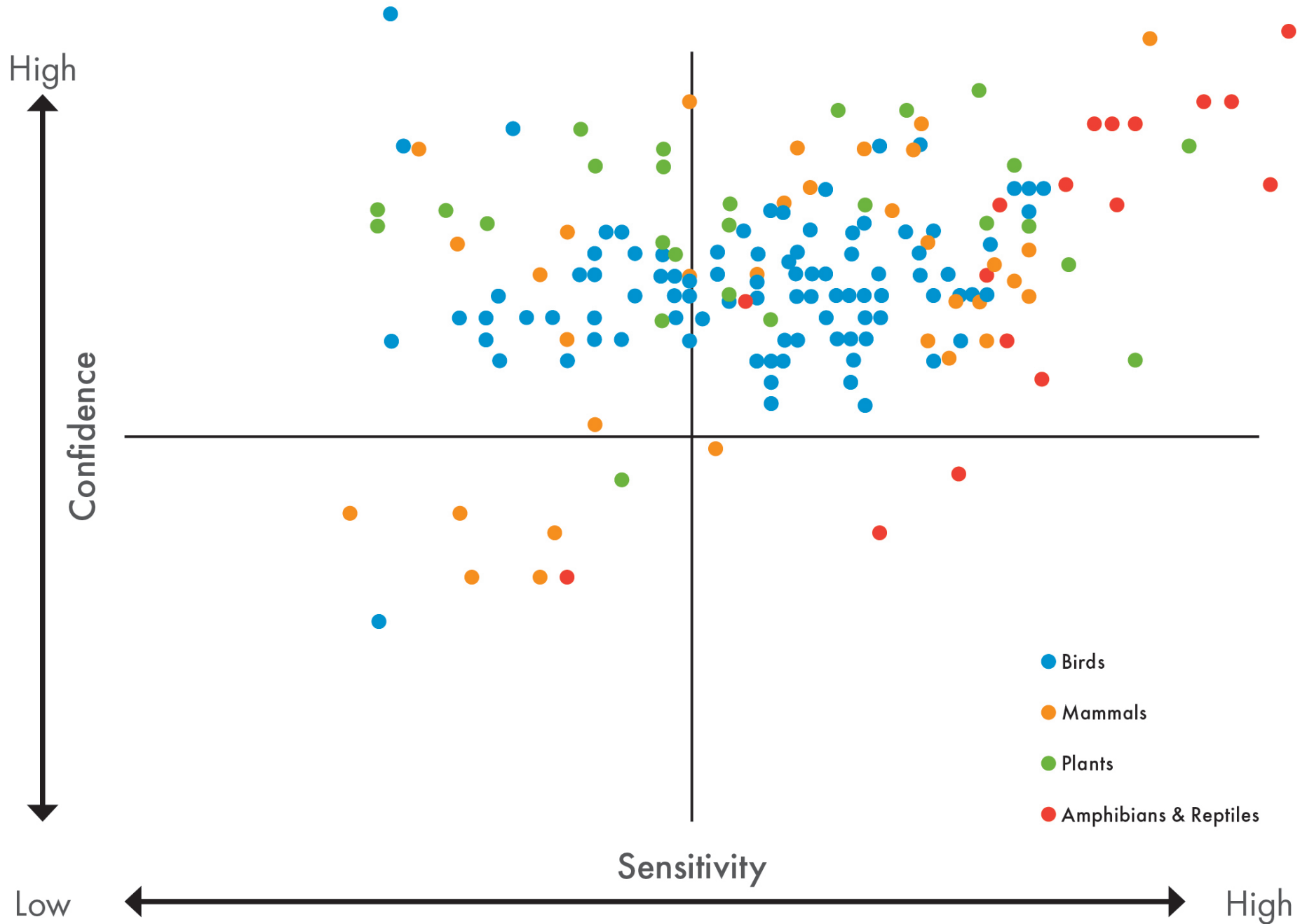




Sensitivity \neq Vulnerability

Further Research

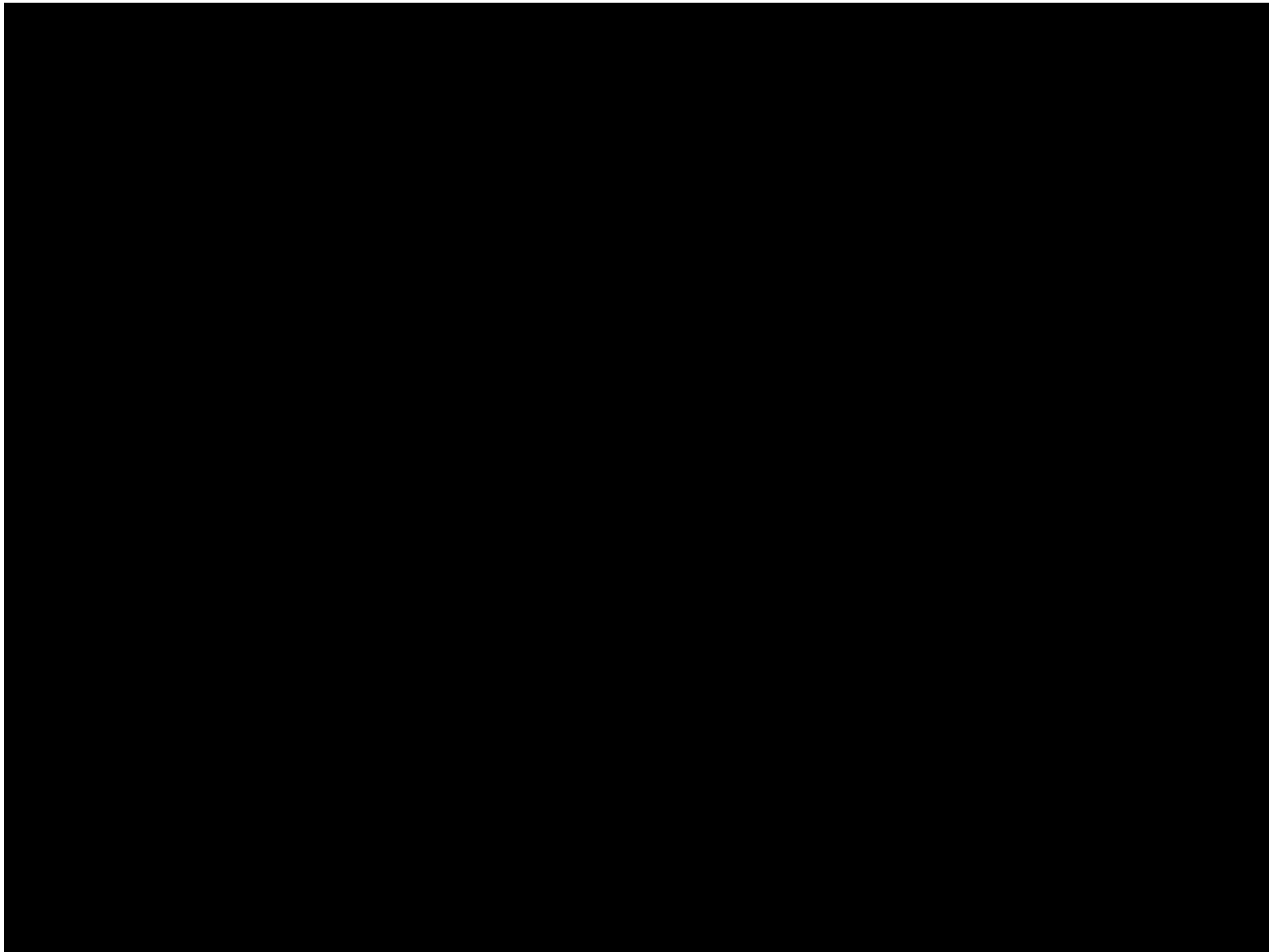






Questions

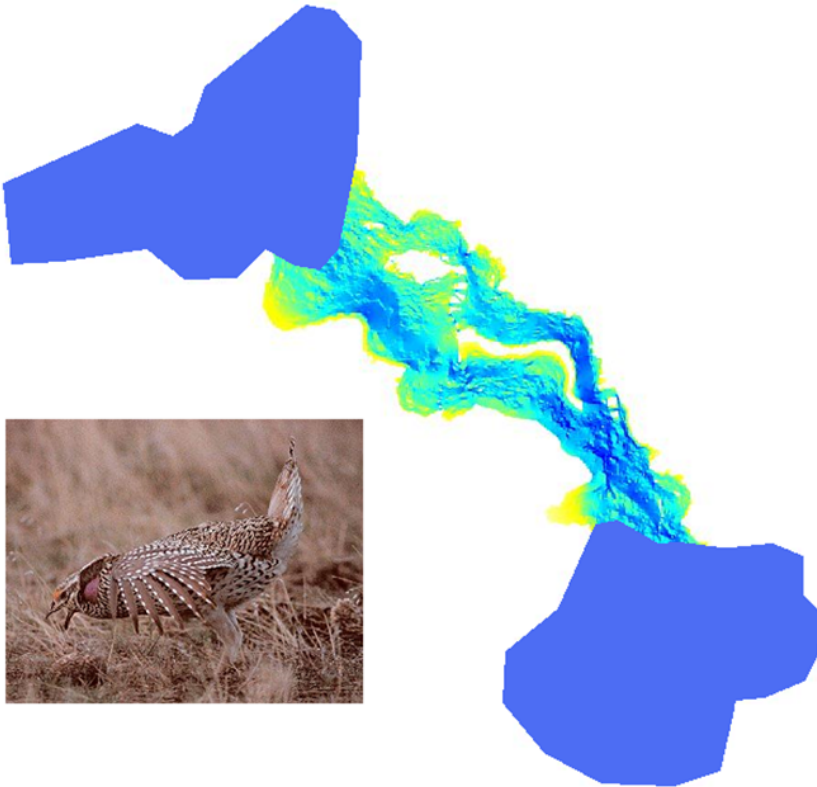
mcase@uw.edu



protected areas



connectivity





Remove other threats

Restore habitat

Restore natural disturbance regimes



Promote evolutionary potential



Translocations

Adaptive Capacity & Management Potential:

