Landscape Conservation Cooperative

Great Northern

GN LCC
FWS Web Conference Schedule

- Times are Mountain/Pacific time
  - **November 9 2:00 pm/1:00 pm**
  - **November 10 10:00 am/9:00 am**
  - **November 12 10:00 am/9:00 am**
  - **November 13 10:00 am/9:00 am**
  - **November 13 2:00 pm/1:00 pm**

Outline

- Geographic framework & LCC Approach
- LCC guidelines
- Strategic Habitat Conservation
- Great Northern LCC
- Your input

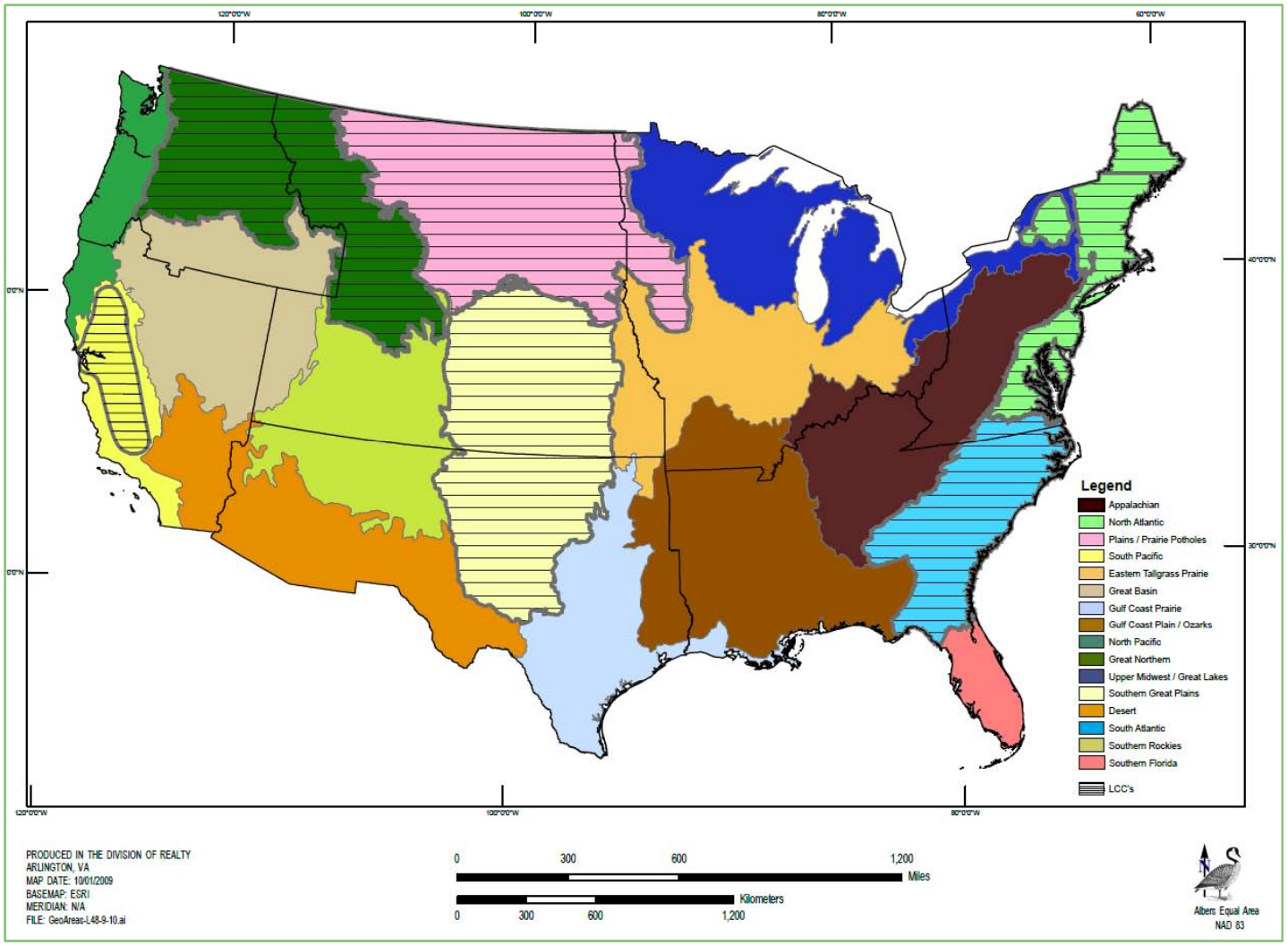
Why LCCs? Why now?

- Address Climate Change
  - Accelerating threats to fish, wildlife & habitats
- Potential Climate Change Effects
  - Changes in precipitation patterns, snow pack & stream flows
  - Shifts in habitat types & associated species
  - Impacts to habitat from human responses to climate change, e.g. water storage & development
- Integral part of DOI's Climate Change Strategic Plan
- LCC = solution-oriented network for shared science capacity to help:
  - Federal, state & local partners conserve habitats & species in the face of climate change & other stressors

LCC Vision

- Alliances through which partners with complementary conservation goals share strengths in applied science while fulfilling specific missions and authorities.

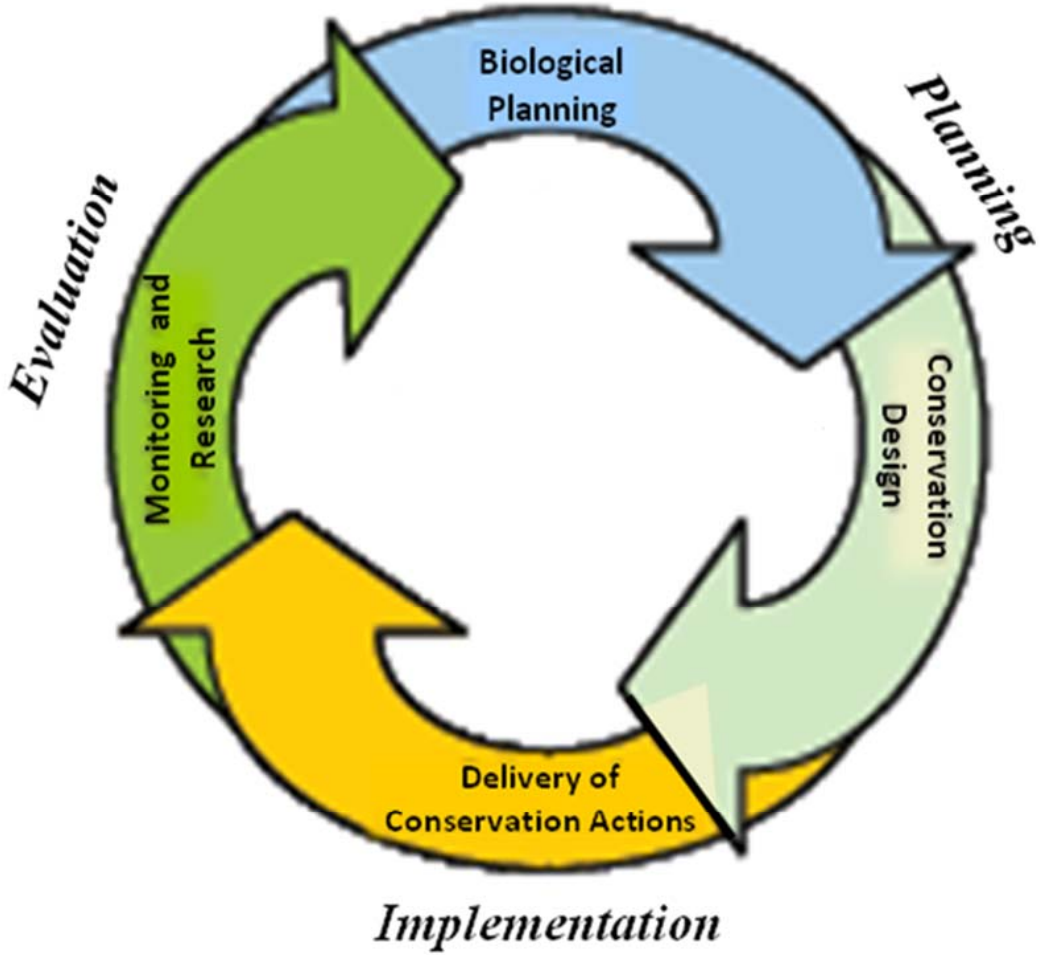
Geographic Framework



Preliminary LCC Concept

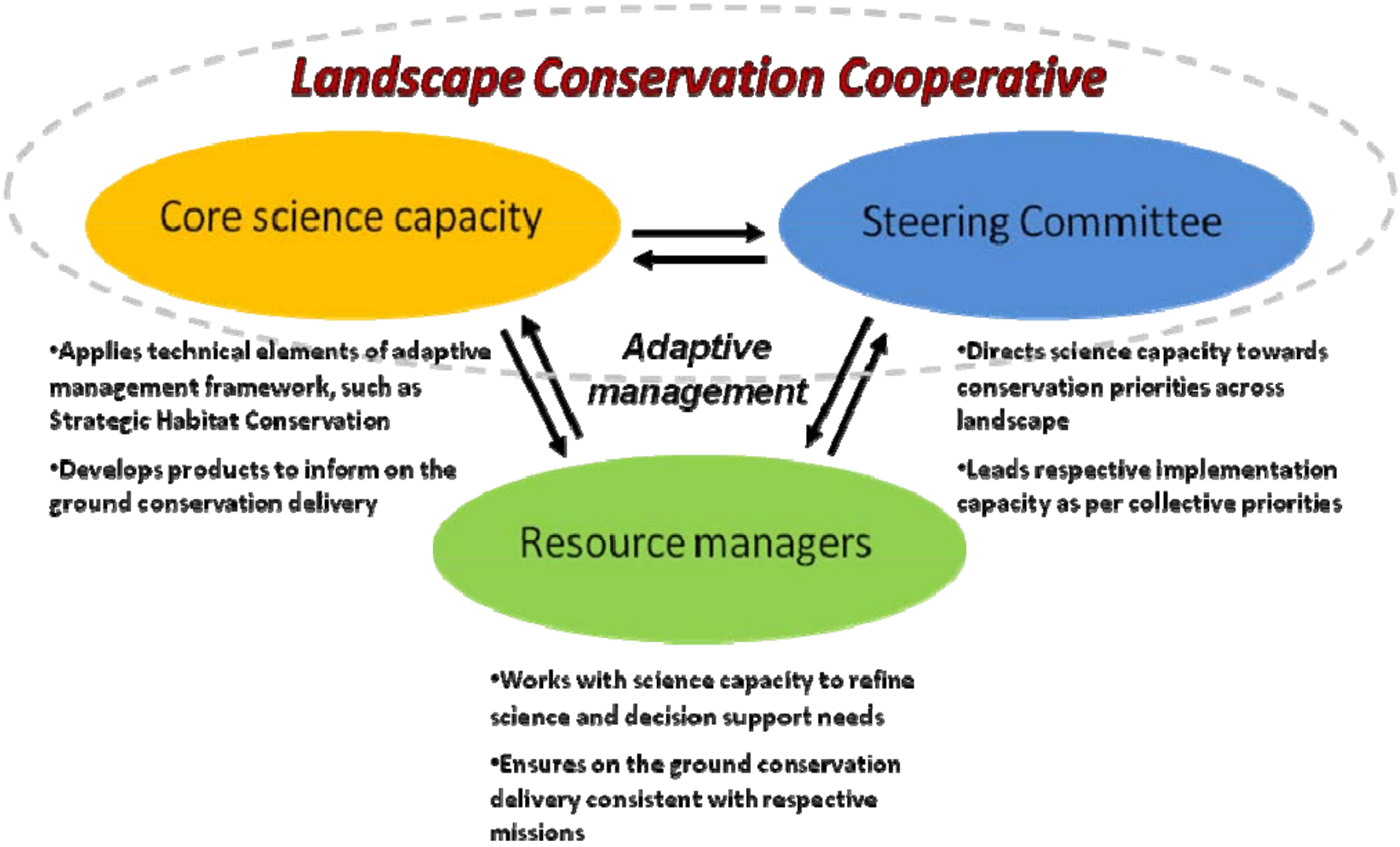
- Partnerships
- Science ---> on-the-ground conservation
  - Landscape-level
  - Habitat & population objectives
  - Climate change response
  - Scientific credibility

Strategic Habitat Conservation



- Set biological/ ecological goals
- Design strategy for meeting goals
- Implement strategy on the ground
- Monitor results, conduct research to reduce uncertainty

LCC Process


Landscape Conservation Cooperative
Core science capacity
Steering Committee
Adaptive management
Resource managers
•Applies technical elements of adaptive management framework, such as Strategic Habitat Conservation
•Develops products to inform on the ground conservation delivery
•Directs science capacity towards conservation priorities across landscape
•Leads respective implementation capacity as per collective priorities
•Works with science capacity to refine science and decision support needs
•Ensures on the ground conservation delivery consistent with respective missions

Potential Science Needs

- Biological and ecological knowledge
- Physical sciences
- Spatial analysis , landscape planning and modeling
- Population modeling
- Climate modeling
- Conservation genetics
- Decision analysis & decision support
- Statistical analysis
- Resource inventory and monitoring
- Database management and web-hosting
- Social sciences for partnership management
- Resource planning and conservation design

The Role of LCCs

- LCCs ARE intended to add value
  - Coordination
  - Scientific research capacity
  - Focused efforts
- LCCs ARE conservation multipliers
  - Support existing coalitions, cooperatives & partnerships
- LCCs are NOT:
  - Replacements for existing coalitions, cooperatives & partnerships

Potential LCC products include:

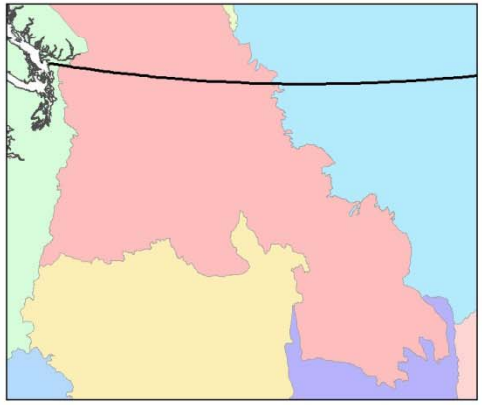
- GIS analysis/maps of sensitive species and habitat impact areas
- Interpretation of results of regional climate change models on local communities
- Where and how to provide species linkage across the landscape to allow species to move as climate change proceeds
- Summaries of habitat/species responses to climate change

GN LCC Overview

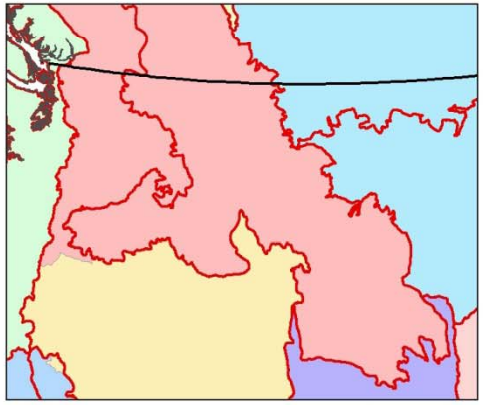
Includes Portions of:

- Montana
- Wyoming
- Idaho
- Washington
- Oregon
- British Columbia
- Alberta
- Small parts of Colorado & Utah

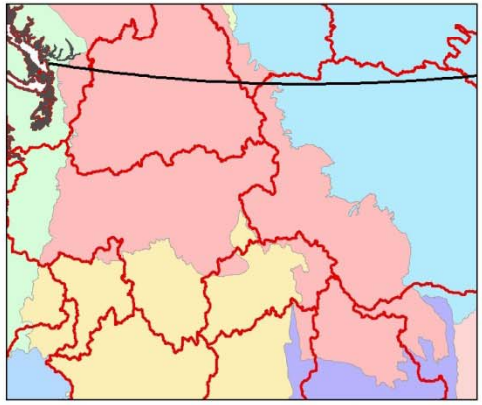
GN LCC Geographic Representations



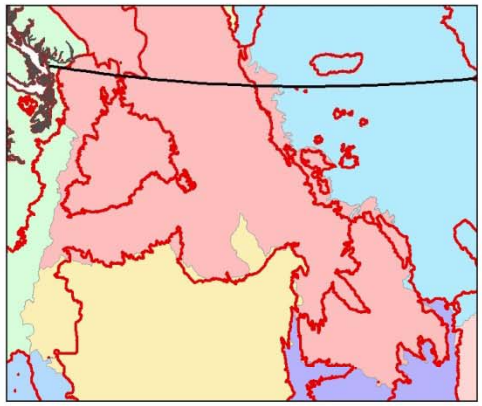
A. Proposed Great Northern LCC



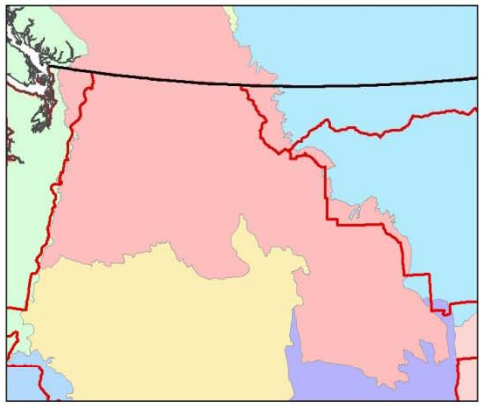
B. GN LCC subdivided by Bird Conservation Regions



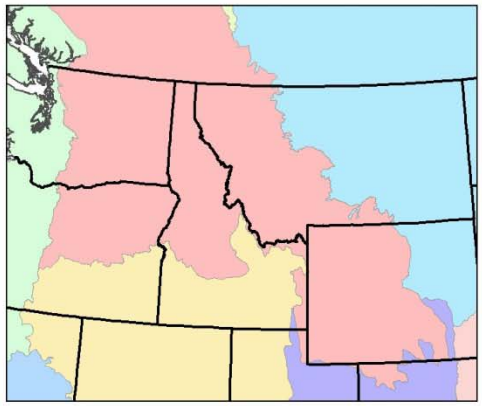
C. GN LCC subdivided by freshwater ecoregions



D. GN LCC subdivided by Omernik's level II



E. GN LCC subdivided by Joint Venture boundaries



C. GN LCC subdivided by State boundaries

Your Input

- Driving Issues
- Priorities
- Science needs
  - Building beyond current capacity

Feedback Mechanism

- Survey is accessible on the internet until 6:00 p.m. MST/5:00 PST, Nov. 16
- Anonymous
- Form can be reopened and modified or completed at various times
- Multiple choice & open ended
  - Demographic info
  - Key issues
  - Conservation priorities
  - Science needs

Next Steps

- Analyze input
- Frame alternatives for moving forward
- Engage partners
- Refine goals & objectives with partners
- Implementation is an evolving process

Conclusion

- We need your input
  - Email with instructions
- Questions?
- Persons to Contact:
  - Stephen Zylstra – R1
  - (stephen_zylstra@fws.gov)
  - Yvette Converse – R6
  - (yvette_converse@fws.gov)

To view this presentation again please visit:
www.fws.gov/mountain-prairie/LCC/GN.pdf
Contact leith_edgar@fws.gov if you need the survey address resent