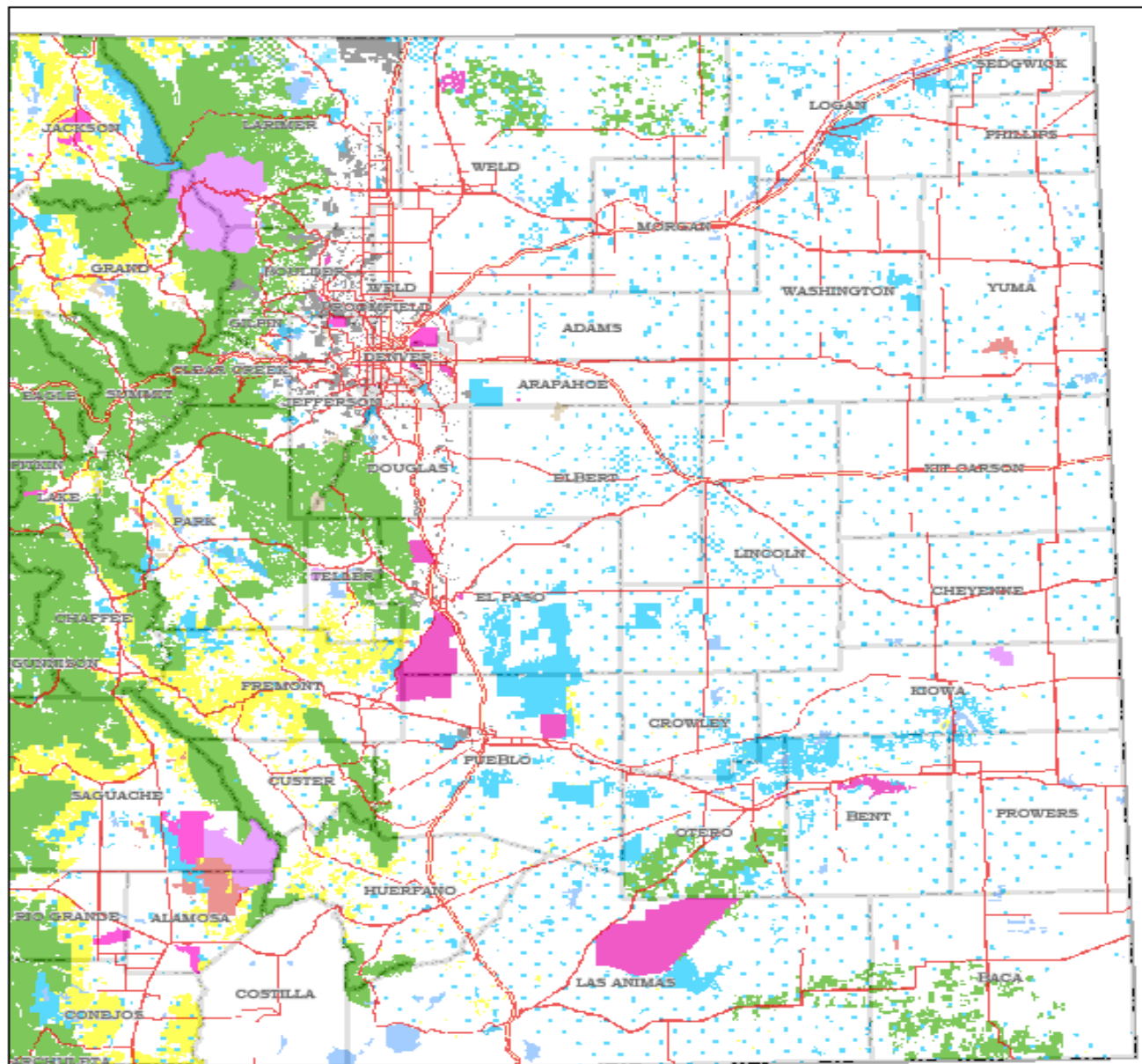


Addressing Wind Energy Challenges in Colorado



Celia Greenman
Colorado Division of Wildlife

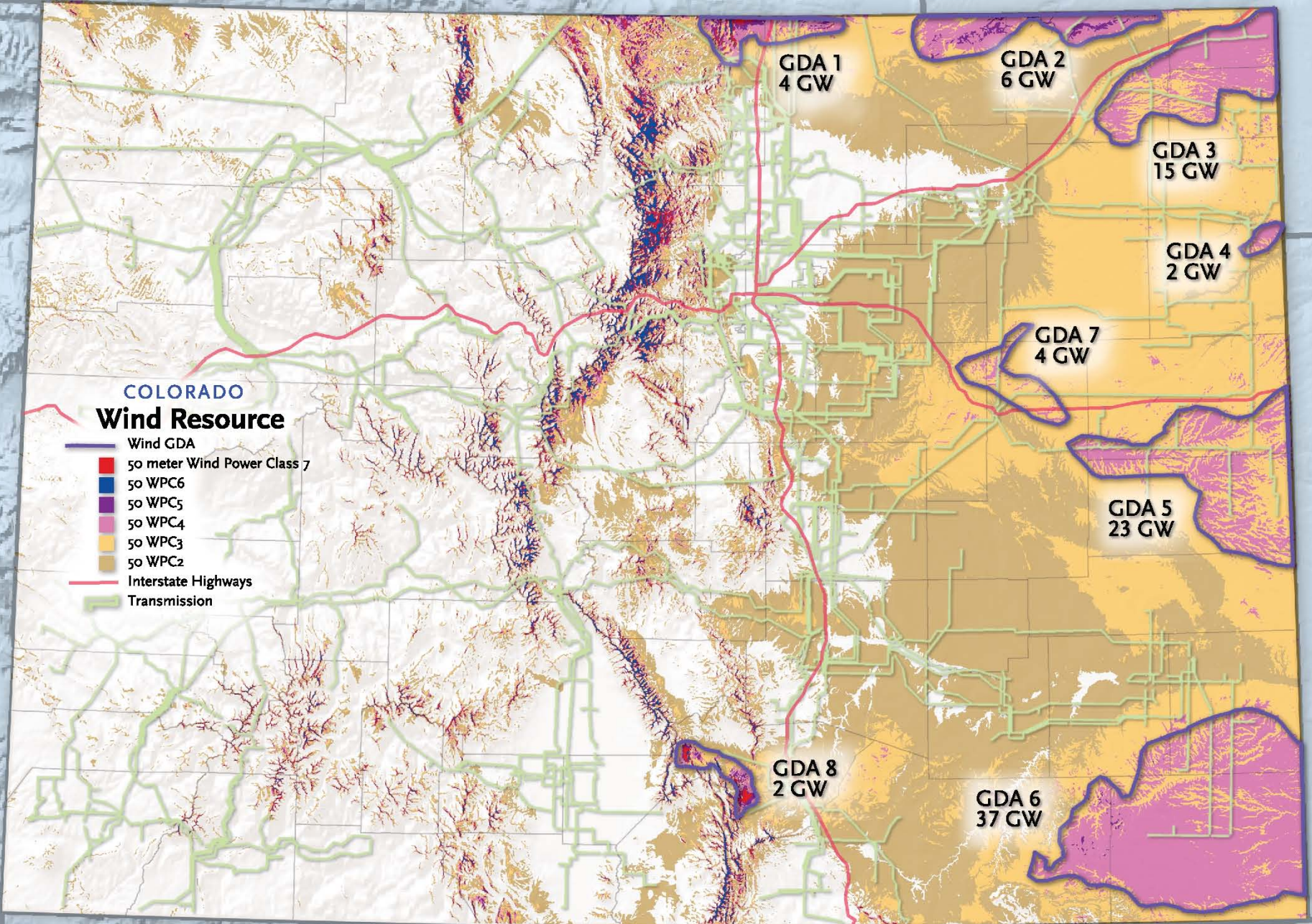
- Background and context of wind energy development in Colorado
- Guidelines for wind energy development, with emphasis on Colorado-specific criteria
- Research questions

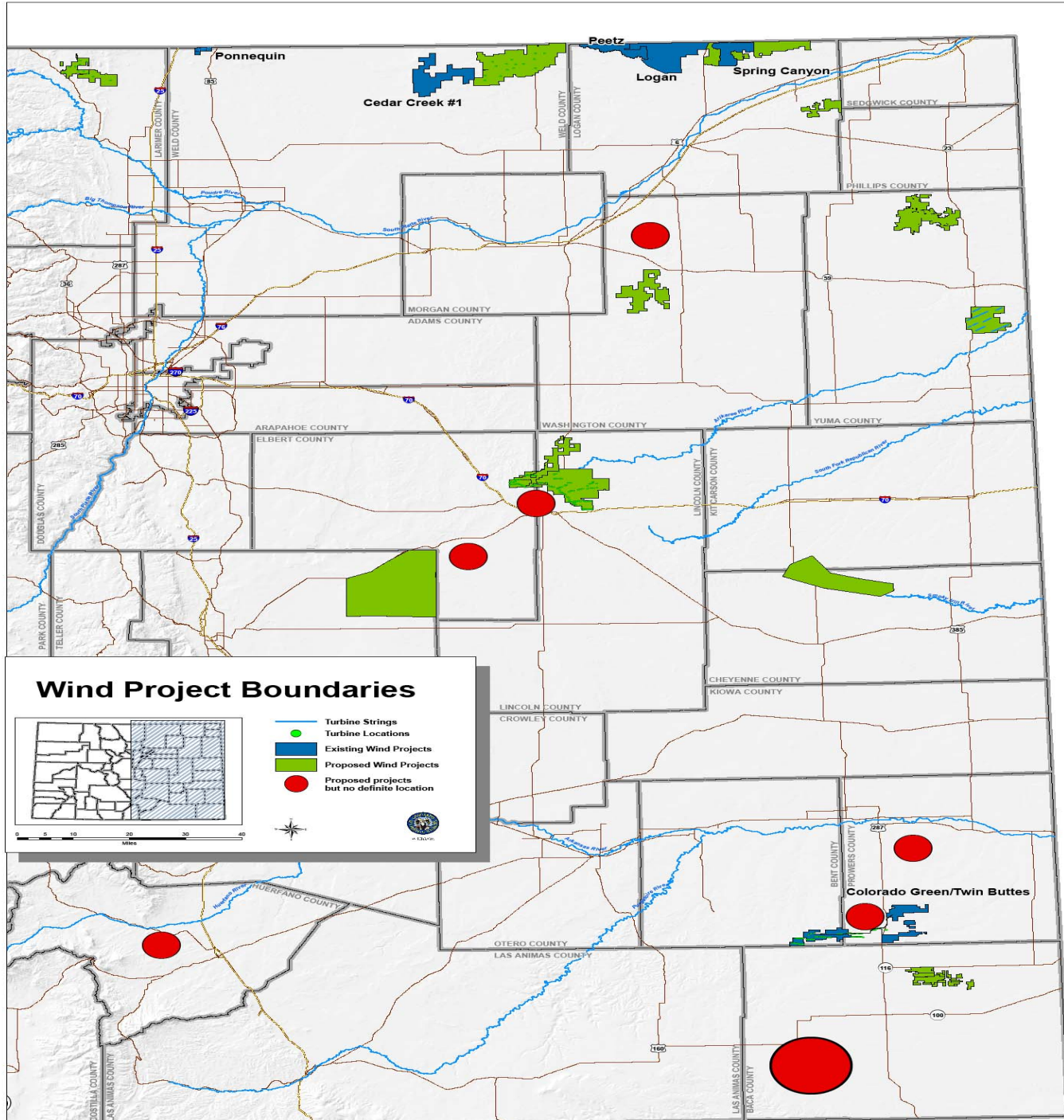


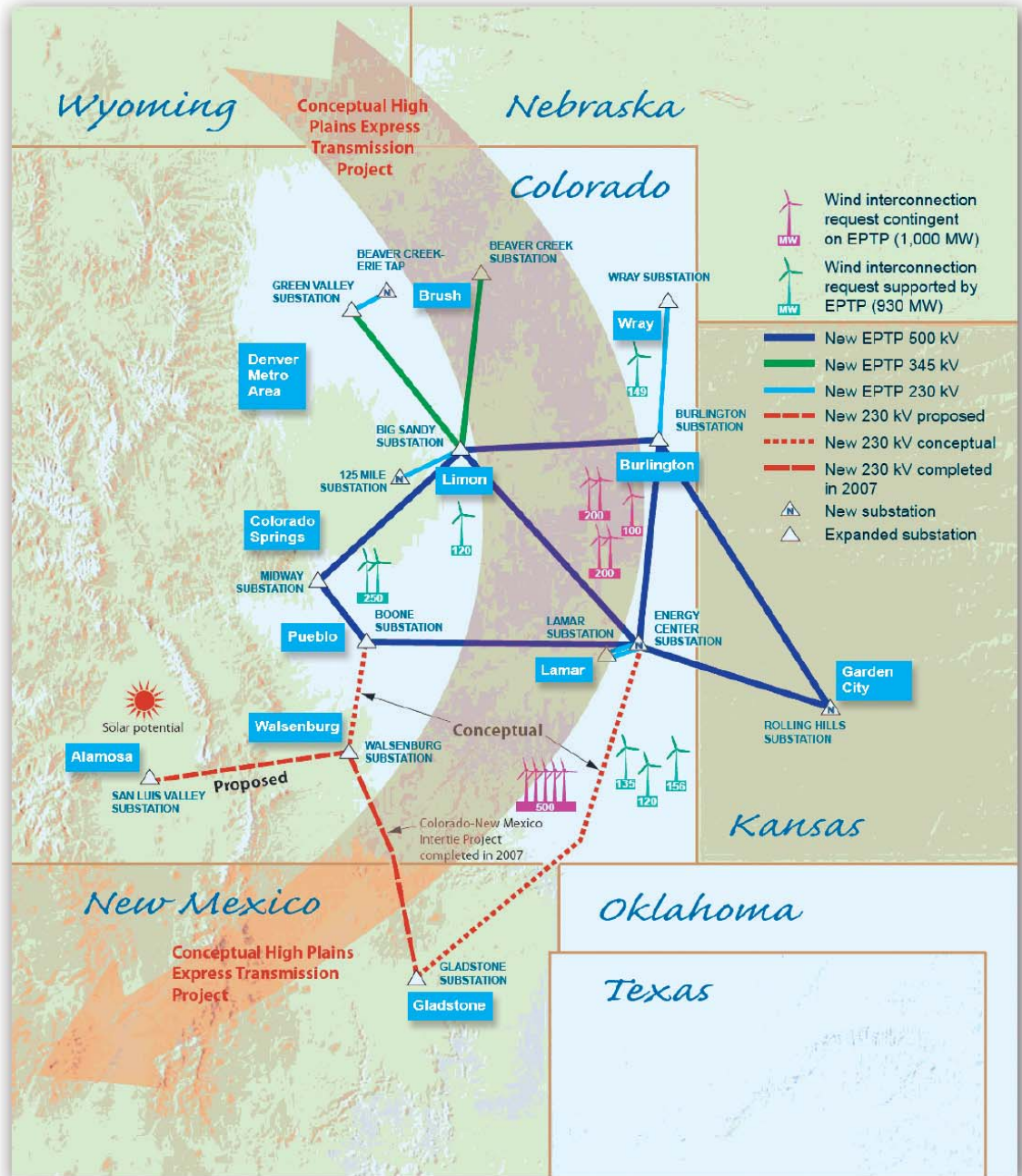
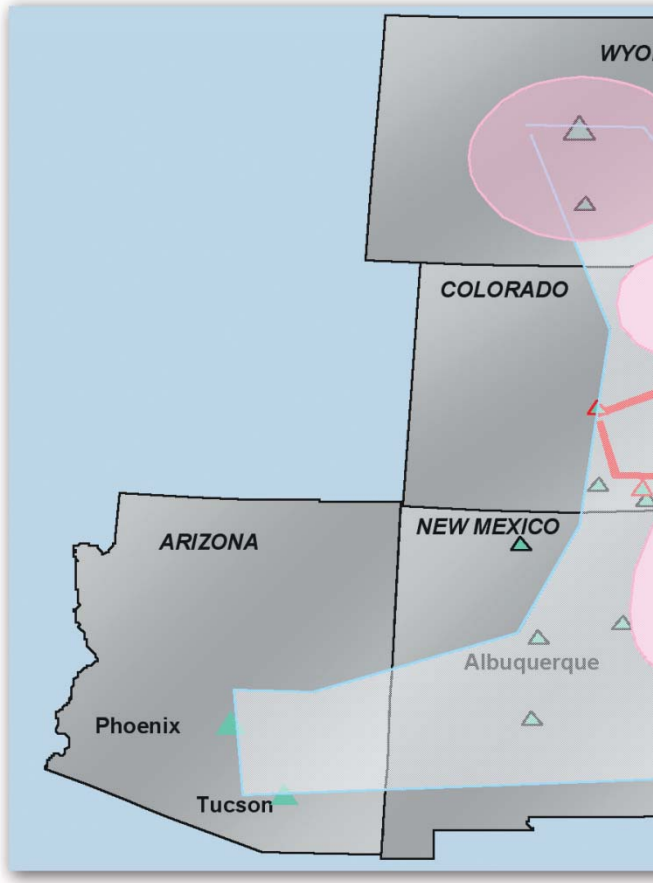
Land Ownership on Colorado's Eastern Plains
derived from CoMAP data set.



- | | |
|---|---|
| ■ Bureau of Land Management | ■ Federal |
| ■ U.S. Forest Service | ■ U.S. Fish & Wildlife Service |
| ■ State - Division of Wildlife | ■ Land Trust |
| ■ State Land Board | ■ Non-Gov. Organization |
| ■ State Lands | ■ National Park Service |
| ■ State Parks | ■ Private |
| ■ City/County | ■ Bureau of Indian Affairs |







What is driving wind energy development?

Production tax credits

Green industry designation

Amendment 37

Governor's energy office

Job creation and tax revenue

Wind energy is green, but not without impacts, both direct and indirect.



Given the climate for development, how does CDOW address impacts from projects?

Wind energy development guidelines

- Screening
- Pre-construction monitoring
- Post-construction monitoring

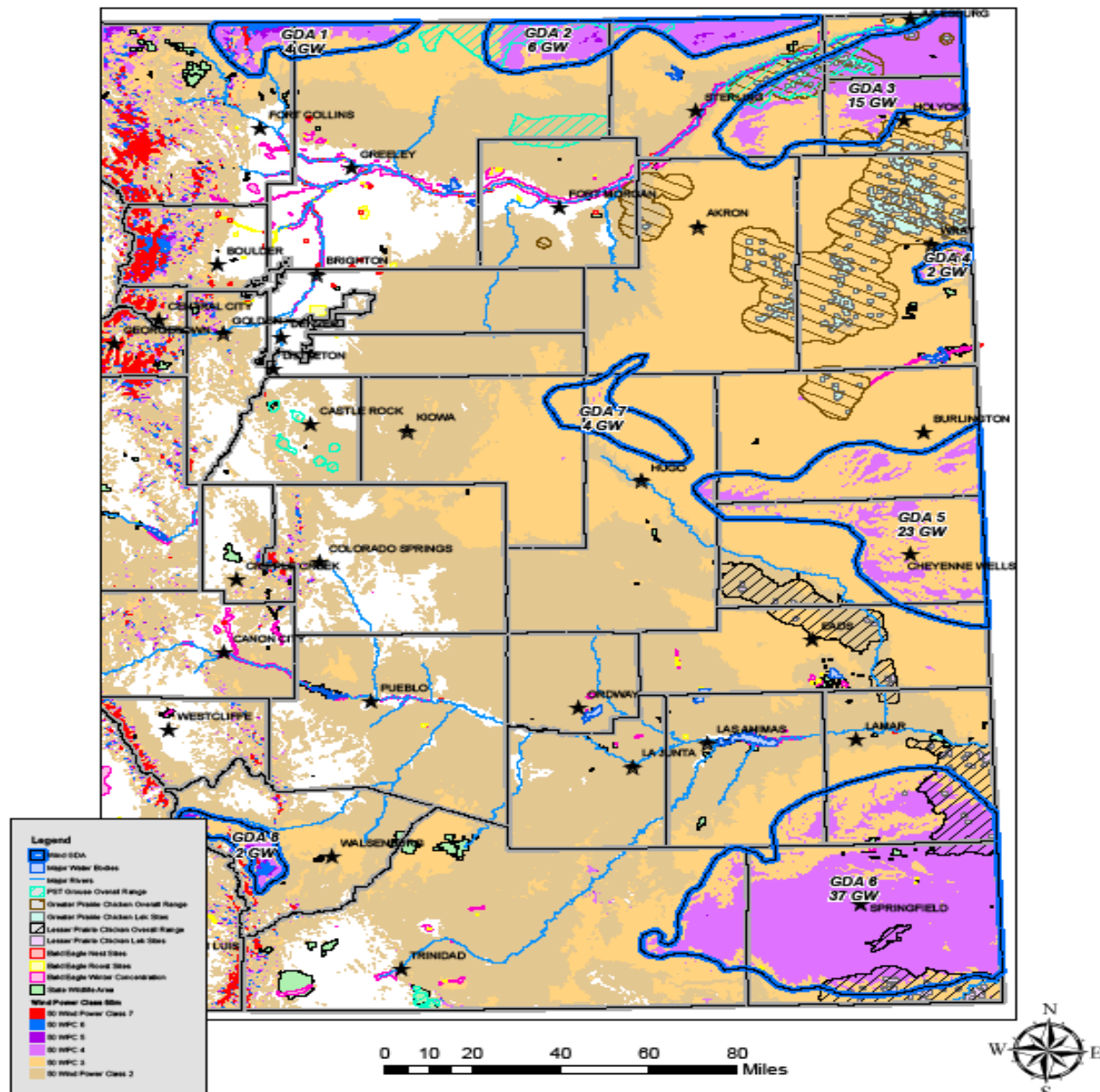
Screening

Critical species and habitat

Critical species:

- Prairie grouse
- Bald eagles

Wind Energy Site Screening Map Eastern Plains

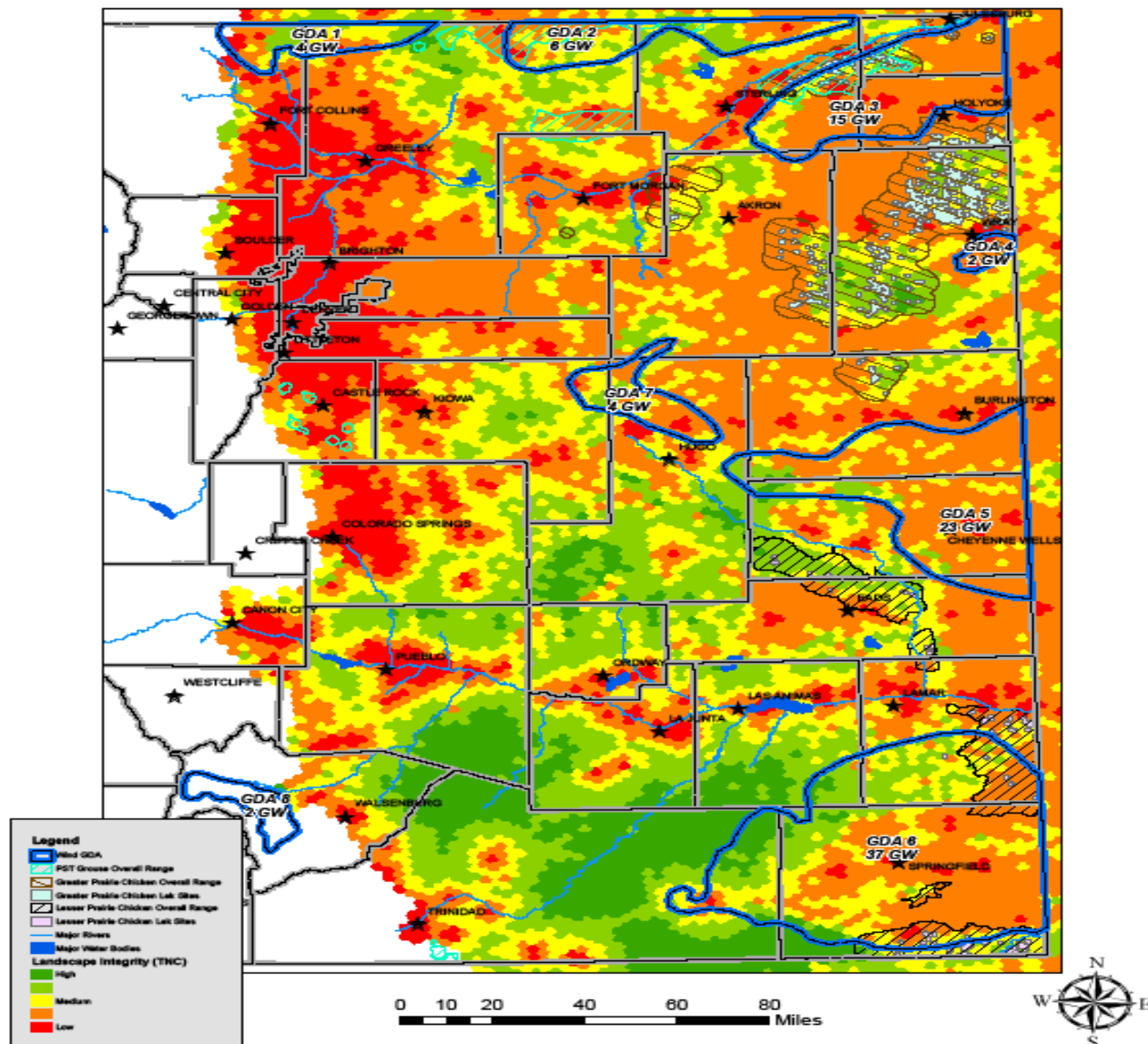


Screening

Critical habitat

- Central shortgrass prairie, intact
- Riparian areas

Wind Energy Site Screening Map Eastern Plains



Pre-construction monitoring

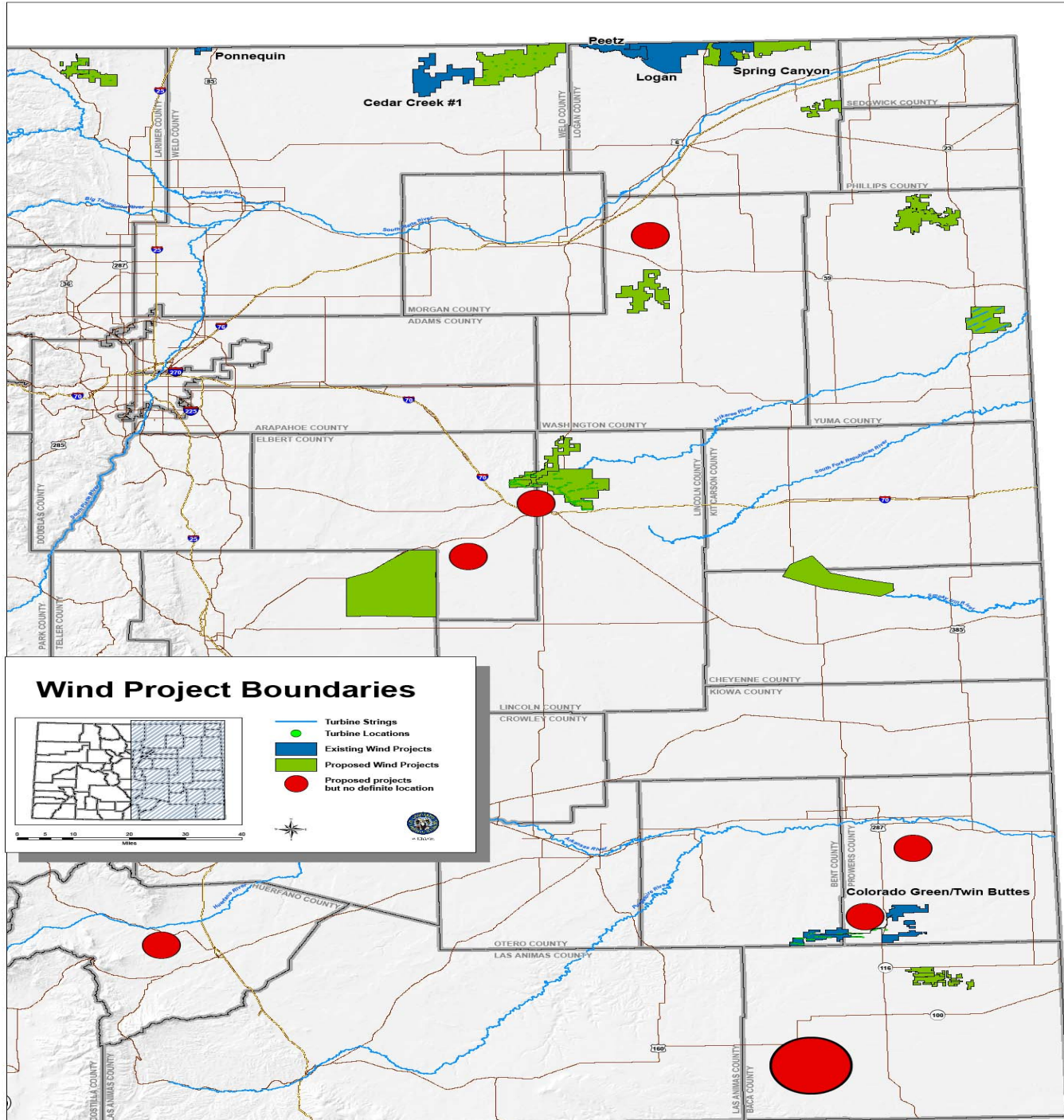


Post-construction monitoring

- Mortality monitoring
- Before-after surveys

What are our research questions?

- Indirect and cumulative impacts.
How are they best assessed?
- What are the migration corridors?
Are they narrow enough to be defined?



Questions?

Thank you!