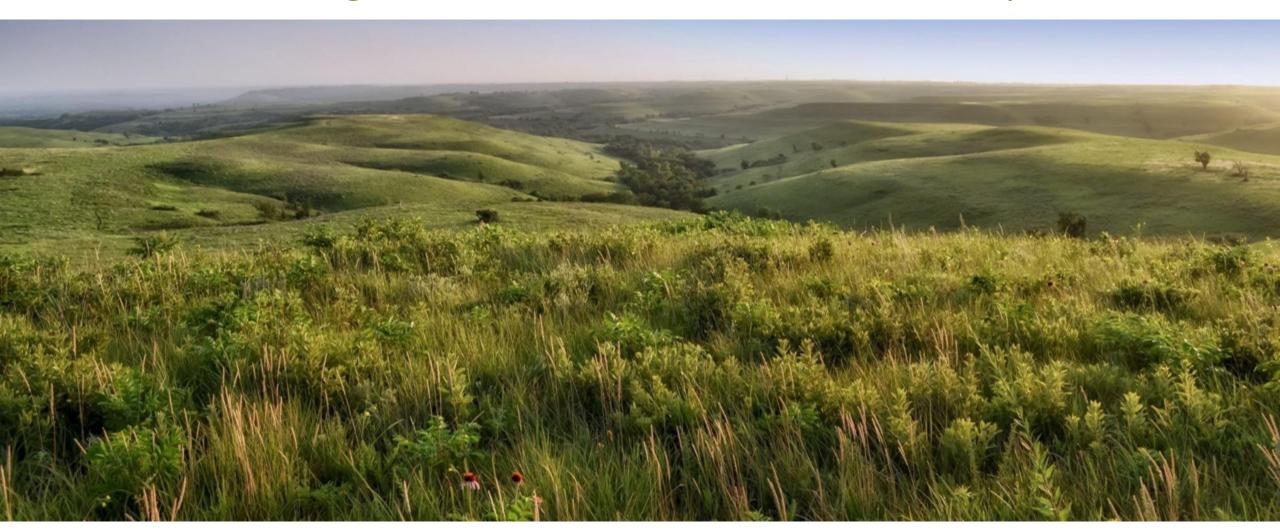


## **Proactively Responding to Biome Threats**

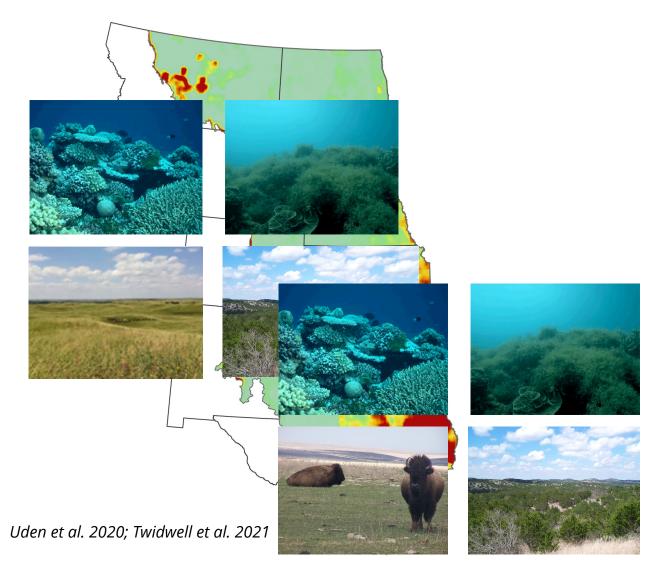
(Strategies for Green/Yellow Areas on the Map)



Dirac Twidwell University of Nebraska

# The Great Plains Biome is Collapsing

1990



### \$177M spent in last Farm Bill



Southern Plains: \$164.5 M

Southern Mountain:

Pacific:

Northern Plains:

Northern Mountain:

\$59.6 M

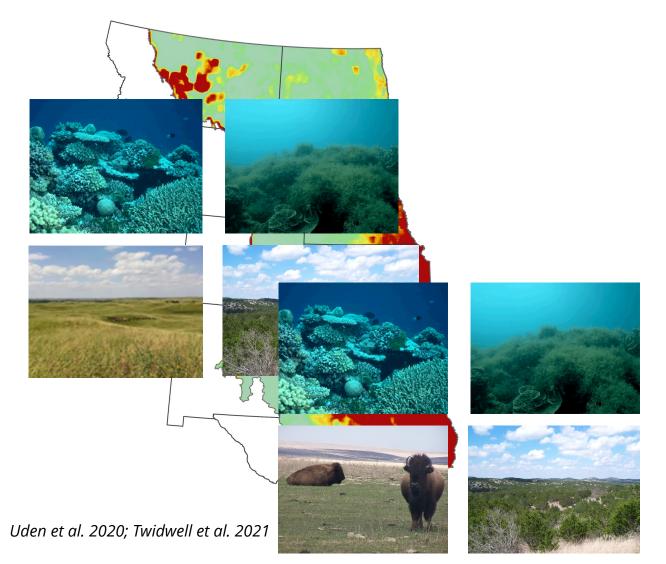
\$25.9 M

\$12.5 M

\$8.5 M

# The Great Plains Biome is Collapsing

2020



#### \$177M spent in last Farm Bill



Southern Plains: \$164.5 M

Southern Mountain:

Pacific:

Northern Plains:

Northern Mountain:

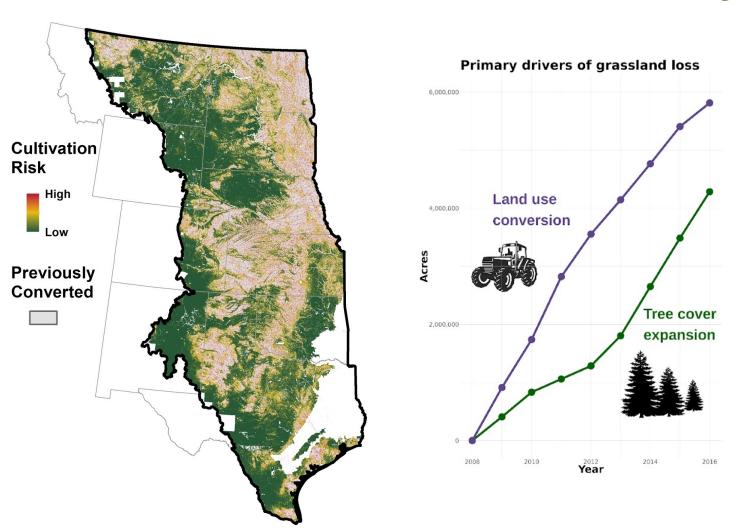
\$59.6 M

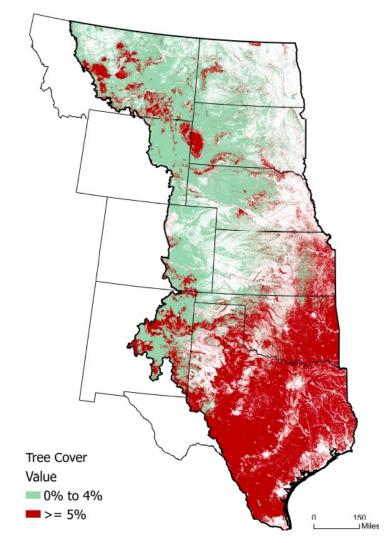
\$25.9 M

\$12.5 M

\$8.5 M

## The Top Threats to the Great Plains Grassland Biome: Land Use Conversion & Woody Encroachment

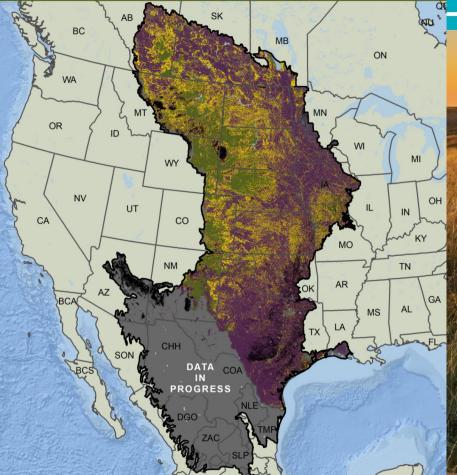


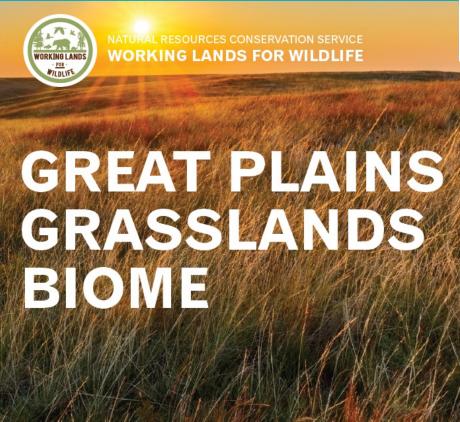


## For the first time, local to international priorities are aligned to solve biome threats

CENTRAL GRASSLANDS ROADMAP GRASSLANDS RISK MAP

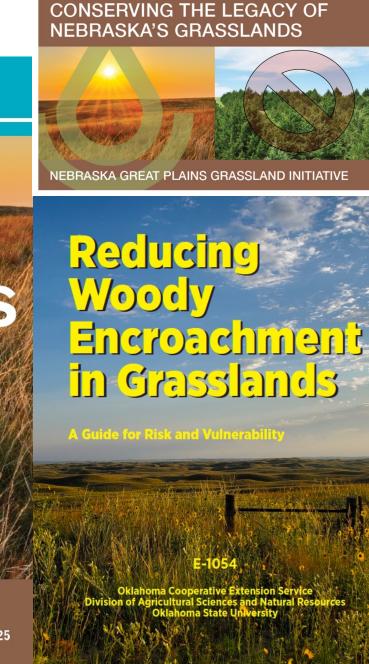






A FRAMEWORK FOR

CONSERVATION ACTION



CONSERVATION CATEGORIZATION<sup>1</sup>

CORES

PLOWED/ENCROACHED/FOREST

MANAGEMENT (130,649,139 acres) P/E/F (394,969,841 acres)

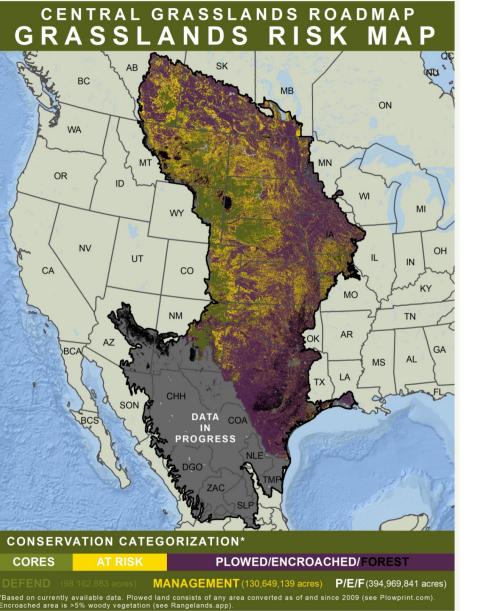
Based on currently available data. Plowed land consists of any area converted as of and since 2009 (see Plowprint.com).

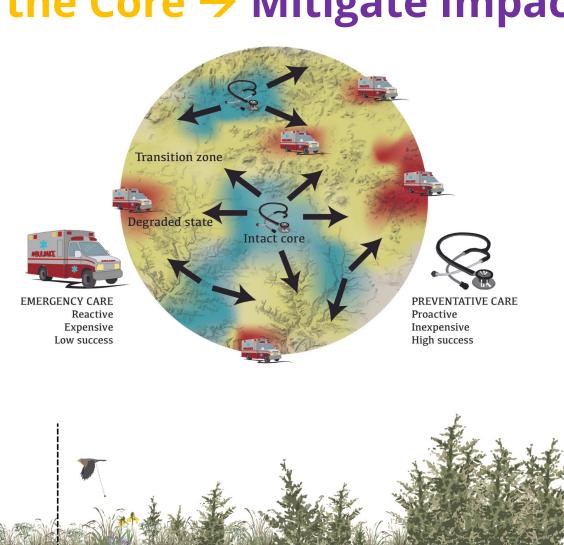
2021-2025

## A New Mantra has Emerged:

**Defend the Core** → **Grow the Core** → **Mitigate Impacts** 

Intact grassland core



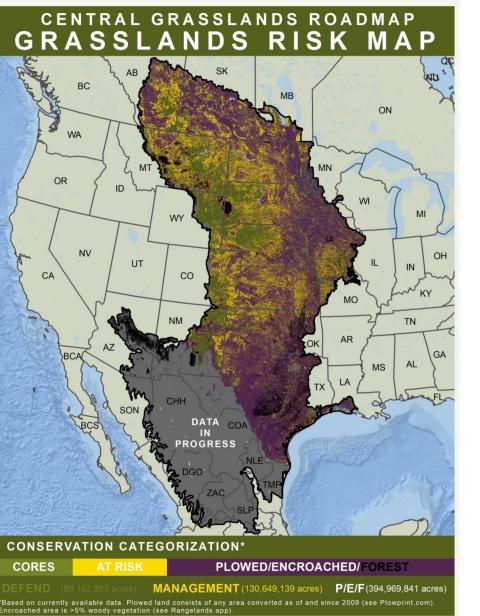


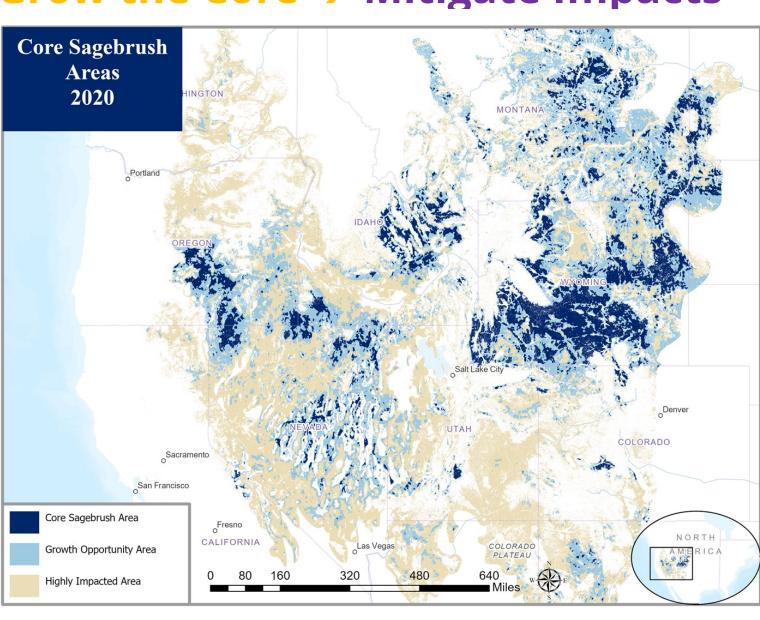
Increasing severity of woodland transition

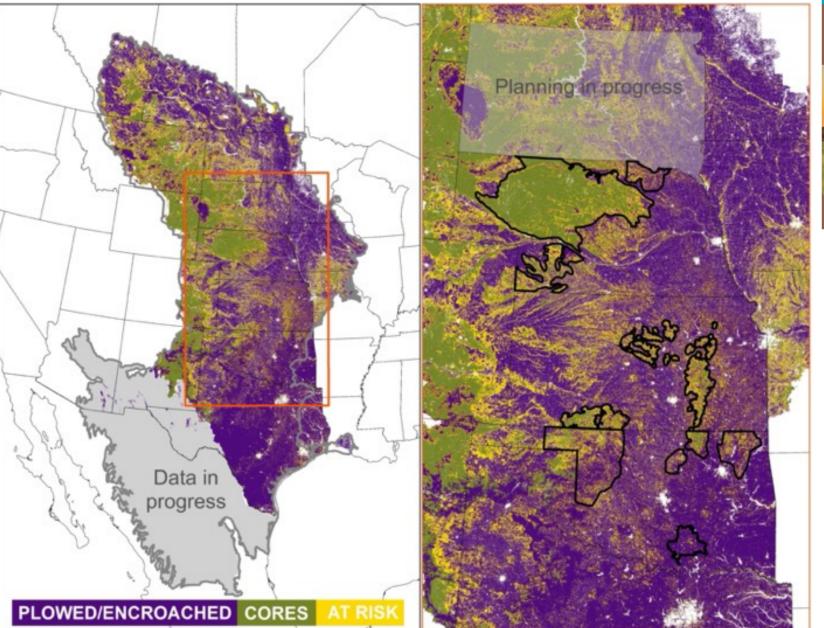
Credit: USDA-NRCS, Working Lands for Wildlife

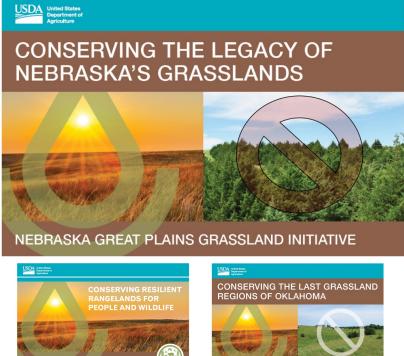
## A New Mantra has Emerged:

<u>Defend the Core</u> → Grow the Core → Mitigate Impacts









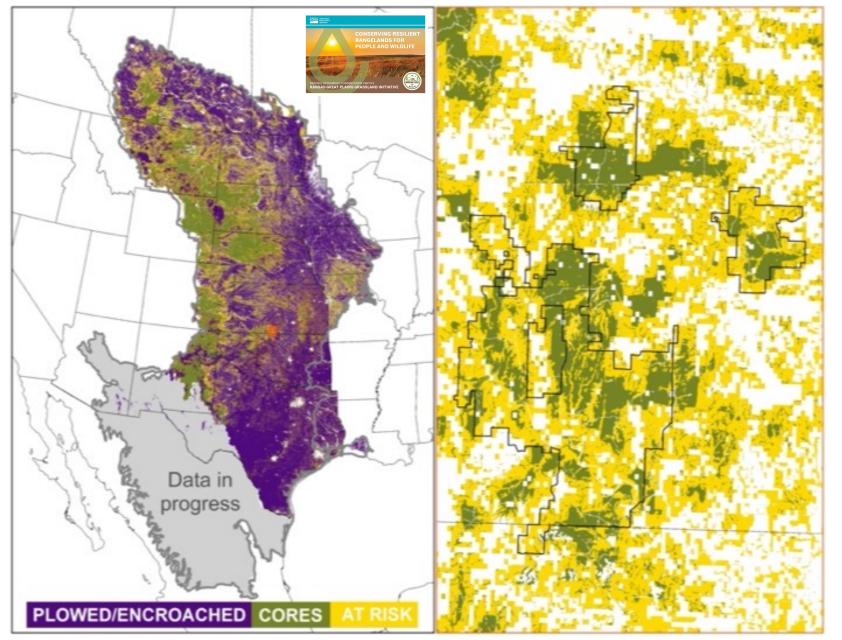








**Over 30 Initiative Partnerships** across multiple states

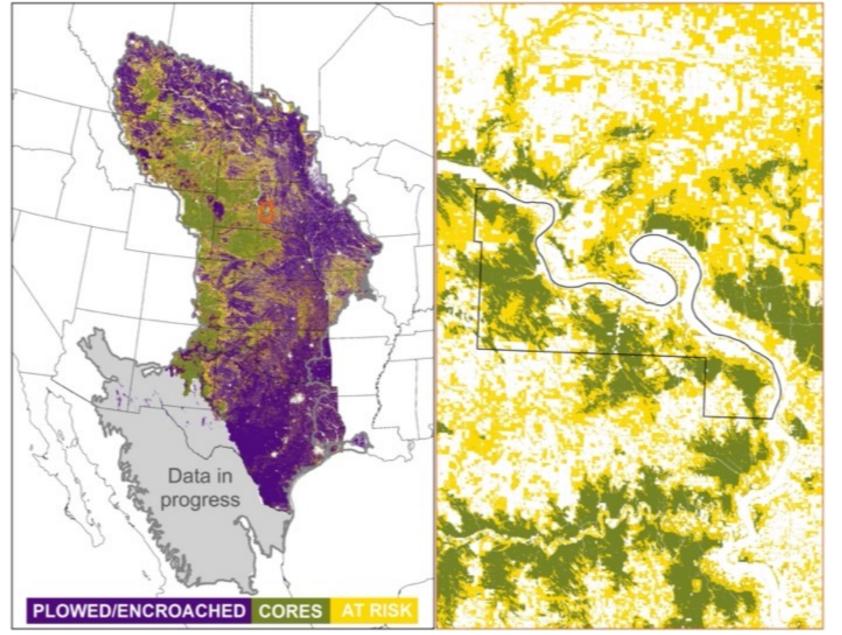






"Defend the Core"

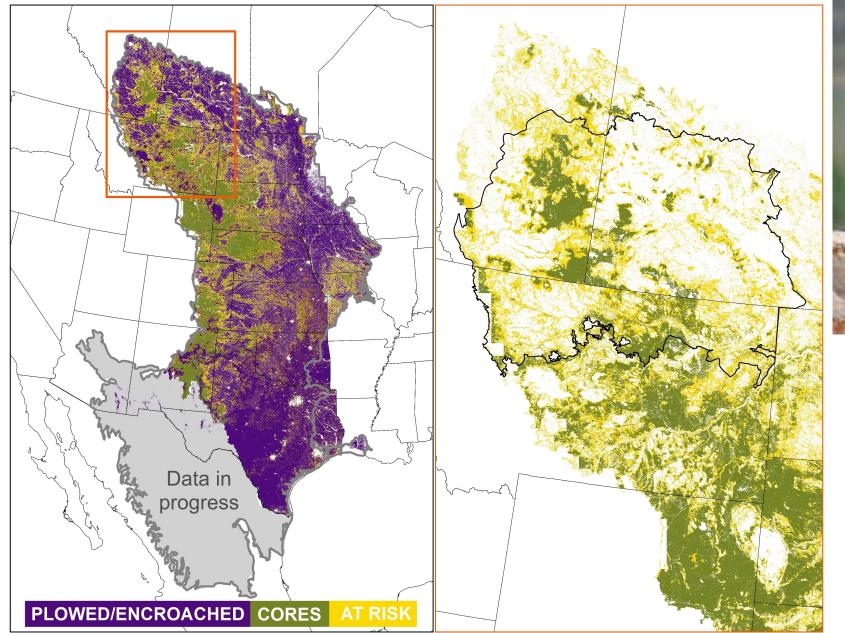
Landowner Vision for Phase I 91K acres and growing





"Defend the Core"

**Lower Brule Strategy Workshop held 23 February 2022** 



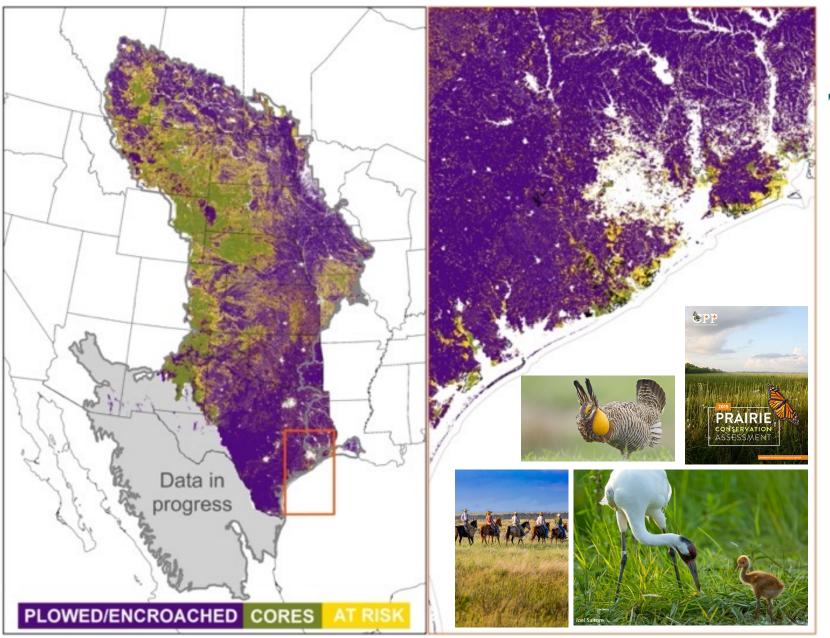


"Defend the Core"

Established in 2016 by the Alberta Prairie Conservation Forum

"Enhance, Create, Connect"

### The Call to Action: Phase II – Grow the Core and Mitigate Impacts

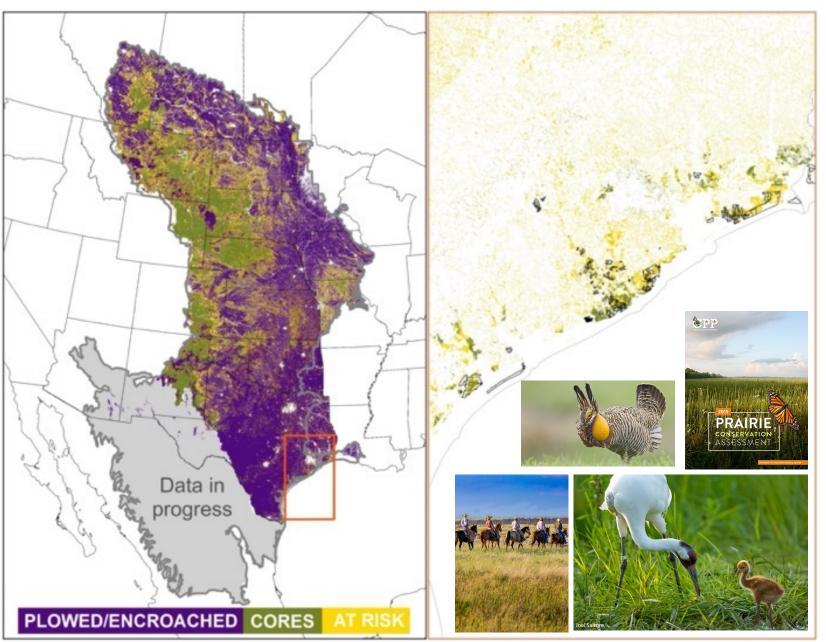




Strategy to "Work in the Purple"

- 1. Defend remaining core areas (keep the green, green)
- Strategically grow and connect cores over time (turn purple to green/yellow at scales that matter)
- 3. Mitigate undesirable impacts to humans and nature in transitioned landscapes (create realistic expectations; much of the purple will remain purple)

## The Call to Action: Phase II – Grow the Core and Mitigate Impacts





Strategy to "Work in the Purple"

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## "It is time to come together as a diverse community to..."

- Central Grasslands Roadmap 2022 Summit

