



**Our Vision: A World Where
People and Nature Thrive**

TNC is a leading global conservation organization with a mission to conserve the lands and waters on which all life depends.

3,600
conservationists

1,300
prominent
volunteer leaders

72
countries

400
scientists

**A FAR-REACHING
ALUMNI
NETWORK**
of leaders in the
conservation
community

50
U.S. states

1 MILLION
dedicated members

Our Priorities



Protect Land
and Water



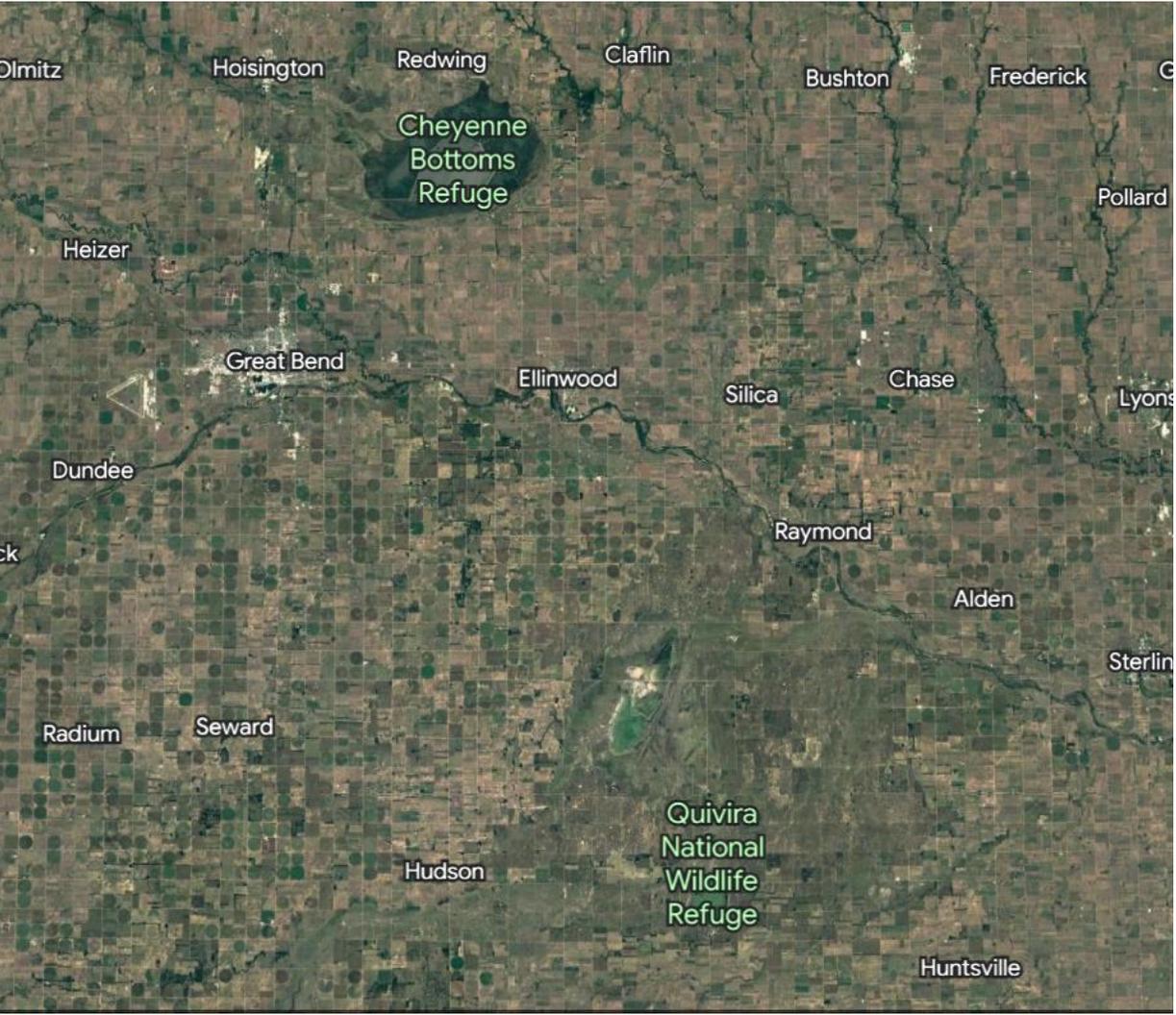
Tackle Climate
Change



Provide Food &
Water Sustainably

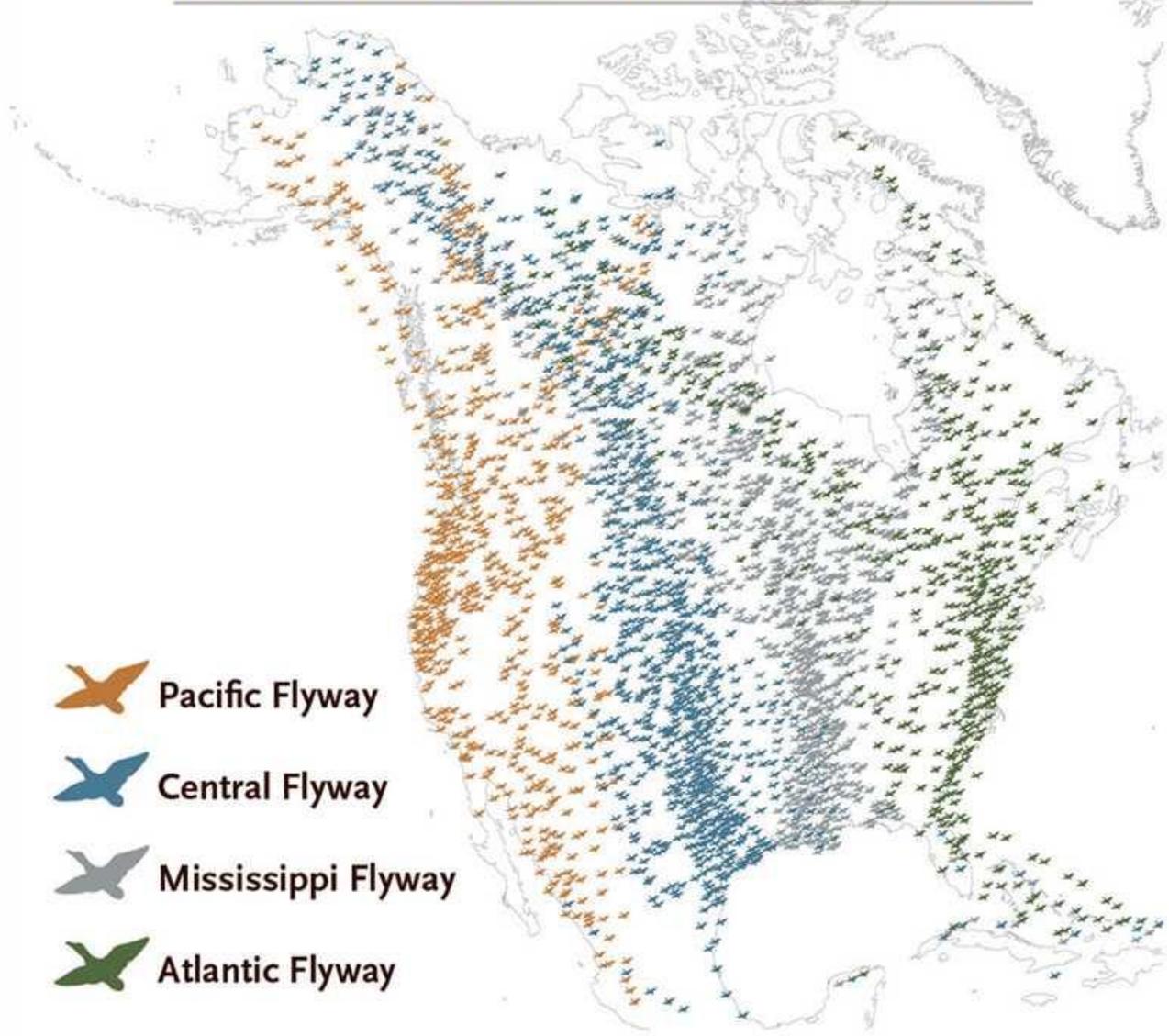
Kansas: The Heart Of The Central Flyway

The Manomet Team | February 26, 2021 | Newsletters



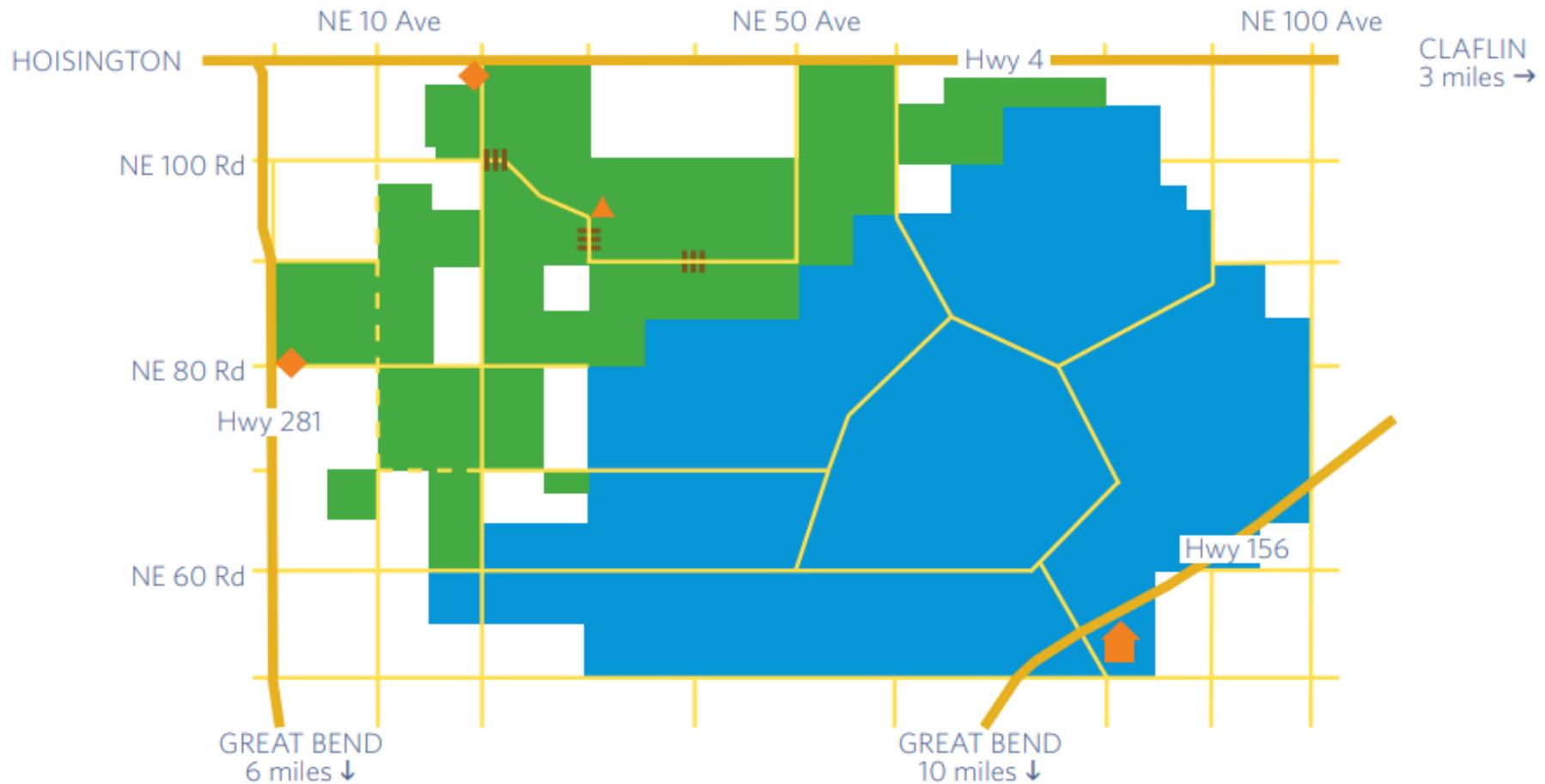
Map courtesy of Ducks Unlimited

NORTH AMERICA'S WATERFOWL FLYWAYS



The analysis of band recovery data enabled waterfowl biologists to delineate North America's four waterfowl flyways.

CHEYENNE BOTTOMS



 CHEYENNE BOTTOMS PRESERVE
 CHEYENNE BOTTOMS WILDLIFE AREA

 Highway
 Gravel Road
 Dirt Road - Use Caution
 Cattle Guards

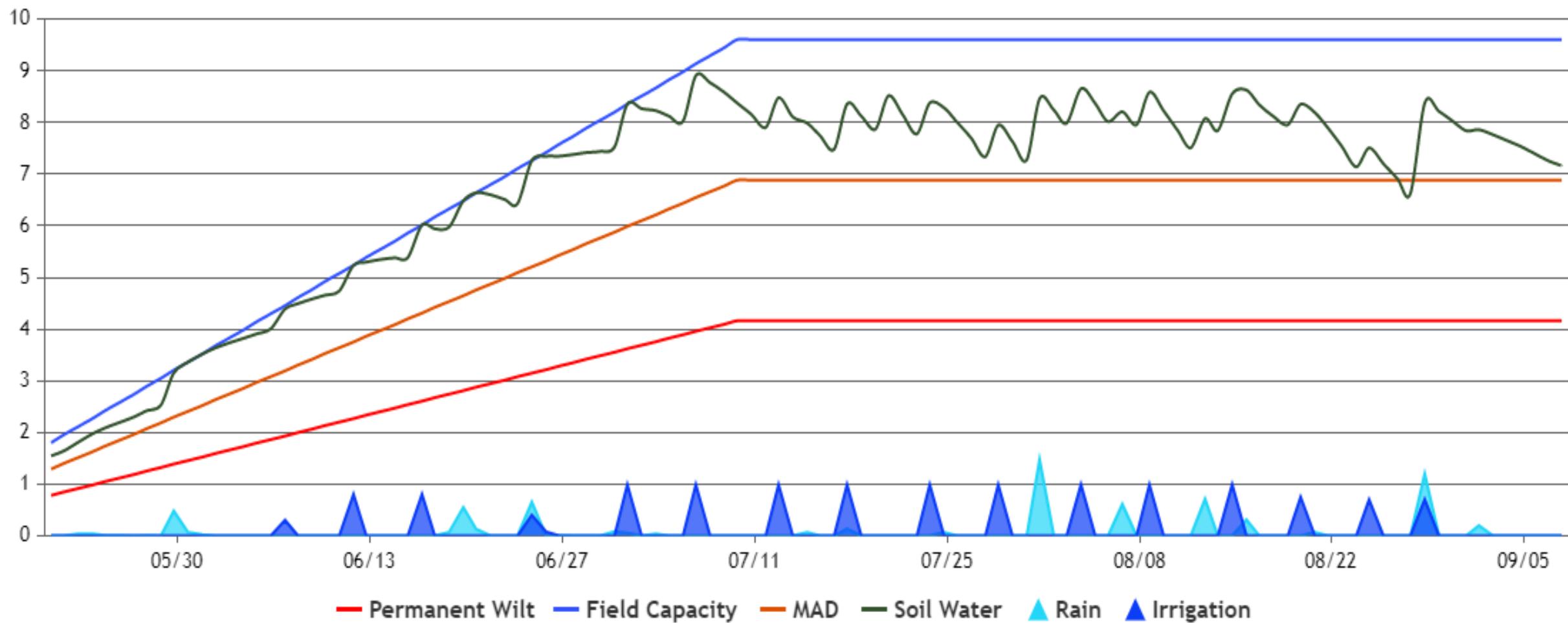
 Kansas Wetlands Education Center
 Observation Tower
 Nature Conservancy Kiosk

A large center pivot irrigation system is shown in a green field. The system consists of a central pivot point with multiple arms extending outwards, supported by large wheels. Numerous blue pipes are connected to the system, and a central pivot point is visible in the distance. The sky is overcast and grey.

Quivira National Wildlife Refuge and Rattlesnake Creek

Table 1. Significant annual events largely considered in determining seasonal water needs to accomplish management objectives of Quivira National Wildlife Refuge.

Jan-Feb	Mar-Apr	May-Jun	Jul-Sep	Oct-Nov	Dec
MANAGEMENT TO SUPPORT WILDLIFE FOOD & COVER REQUIREMENTS					
Use water where needed to provide/maintain semipermanent wetland habitat.					
Shallowly flood select units to saturate dry soils that will be used to produce wildlife foods.					
Dewater select wetlands for suitable germination and growth of desired plants used for wildlife food and cover. Drawdown dates are based on scientific information.					
Irrigate select wetland units to support survival, growth, and seed production of germinated wildlife food plants.			After seeds mature, gradually increase water levels in wetlands to coincide with the food and cover needs of target species.		
CHRONOLOGY OF SPECIES ANNUAL EVENTS OR WHEN LIFE REQUIREMENTS NEED TO BE AVAILABLE FOR SPECIES USE					
Waterfowl and bald eagle wintering habitat is provided when open water is available (generally where flooded deep and/or where flow prevents ice formation).	Peak spring waterfowl migration (habitat flooded <15 inches).	Main spring shorebird migration (habitat flooded <6 inches and mudflat).		Main fall shorebird migration (habitat flooded <6 inches and mudflat).	Peak fall waterfowl migration (habitat flooded <15 inches).
	Endangered whooping crane spring migration (shoreline & habitat flooded <1 ft).	Breeding-related activities occur for several waterbirds that require flooded habitat for food and/or cover resources, such as for the state-threatened snowy plover, the endangered interior least tern, and for state species in need of conservation (e.g., black rail, black tern).			Endangered whooping crane fall migration (shoreline and habitat flooded <1 ft).





Rattlesnake Creek Irrigation Innovation Project



Conservation Innovation Grant (CIG) Objectives:

01

Increase adoption of more efficient irrigation packages, soil moisture sensors, and irrigation scheduling tools.

02

Monitor improvements in irrigation efficiency and yield per unit water.

03

Facilitate a peer-to-peer mentoring network to discuss successful strategies.

Invasive tree removal

- Partnership between U.S. Fish and Wildlife Service Partners Program, Kansas Forest Service, The Nature Conservancy, and WaterPACK
- Targeting Salt Cedar (Tamarisk) and Russian Olive
- Benefits to streamflow, groundwater, forage for cattle, water quality, and wildlife habitat.
- **28 private landowner agreements**
- **7,100 acres**
 - 2,400 wetland acres
 - 4,700 upland acres
 - 38 stream miles

