"Divots in the Pivots" Regional Conservation Partnership Program

Divots in the Pivots restores habitat in Nebraska's

Rainwater Basin and continues economic sustainability to

agriculture. Best management practices ensure efficient

velopion on ecoductive cropland while restoring and

promoting wellands.

Rainwarted Bollin John Venture Informational Seminar
February 1, 2018

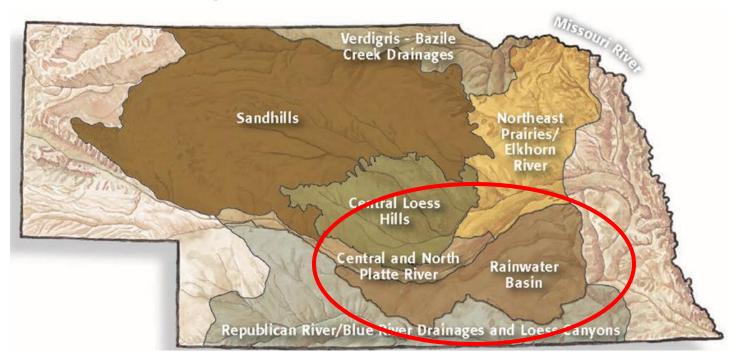
David Eigenberg General Manager

Upper Big Blue Natural Resources District

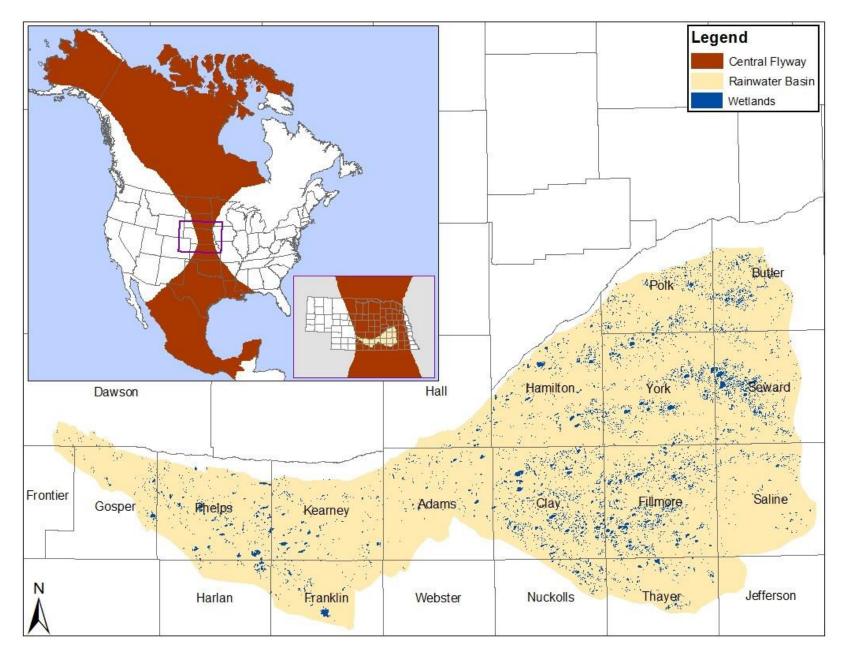
Rainwater Basin

Challenges and Opportunities

- 11,000 historic wetland footprints
- 99% privately owned
- Agricultural landscape ~70% irrigated
- 72% of all historic wetlands intersected by pivot irrigation systems



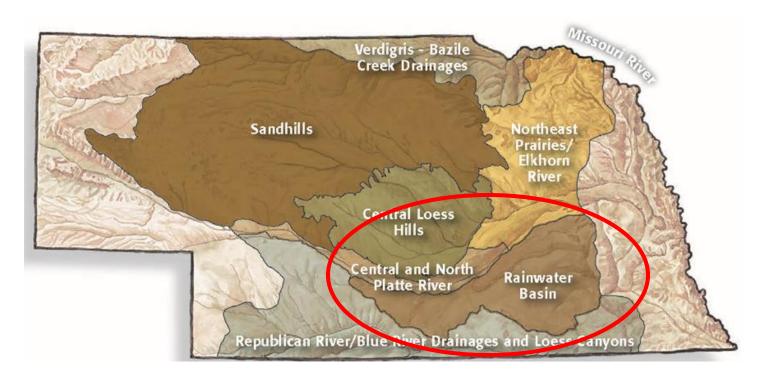




Rainwater Basin

Habitat -

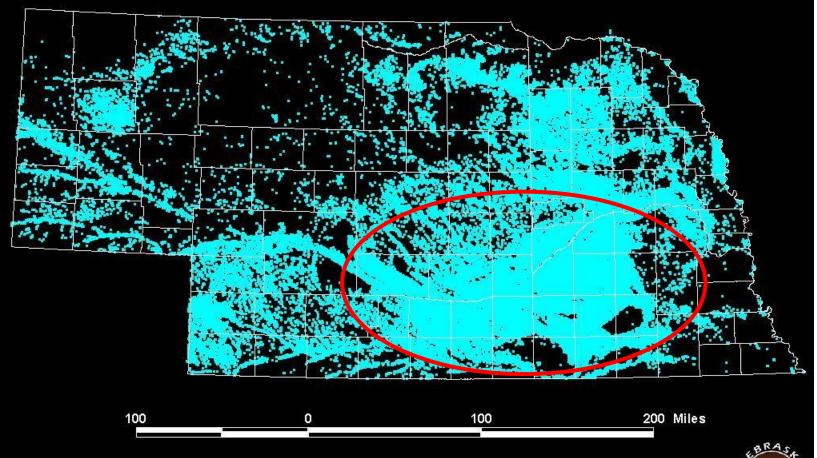
- 8 distinct geographies
 - 1.7 million shorebirds
 - 90% of the mid-continent population of sandhill cranes
 - 8.6 million waterfowl
 - 15.4 million grassland nesting birds





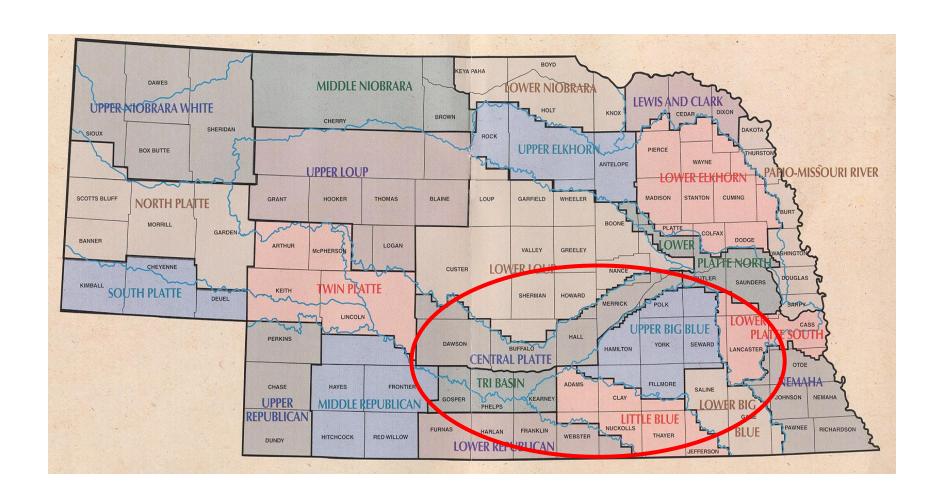
Active Irrigation Wells







Nebraska's NRDs



Irrigation Development In Upper Big Blue NRD

- 1960 300,000 Acres (est.)
- 1981 720,000 Acres
- 2008 1,132,000 Acres
- 2018 1,237,000 Acres (as January)

Increase of over 900,000 acres over 58 years...

Average GW level decline of approximately 2.5 feet...over 58 years.











Signing of RCPP Contract . . .

September 20, 2017

Headlines:

USDA's Natural Resources
Conservation Service invests up to
\$1.8 million through the Regional
Conservation Partnership Program
to improve Nebraska's water
quality, enhance soil health,
support wildlife habitat and protect
agricultural viability within the
Rainwater Basin wetlands.





- Full field/system approach
- Leverage the full spectrum of USDA and partner programs
 - **Agricultural Conservation Easement Program (ACEP)**
 - Agricultural Land Easement (ALE)
 - Wetland Reserve Easement (WRE)
 - **Environmental Quality Incentives Program (EQIP)**
 - Variable Rate Irrigation (VRI)
 - **Precision irrigation prescriptions**
- Additive conservation actions supported by Partners
 - Pivot modification, perimeter fence, livestock water, etc.





















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Agricultural Conservation Easement Program

- Wetland Restoration
 - Perpetual or 30 year easement option
 - Easement held by Natural Resources Conservation
 Service or Local Natural Resources District
 - Easement <u>precludes</u> wetland drainage, tillage, and development
 - Reserved water and grazing right



Environmental Quality Incentives Program

- Variable Rate Irrigation
 - Variable frequency drive motors, pivot panel and hardware upgrades, nozzle packages, Global Positioning System upgrades
 - Flotation solutions
 - Corporate Irrigation Partners contribution 10% to equipment and installation

Partners provide 85% cost-share for pivot modification, perimeter fence, livestock water

















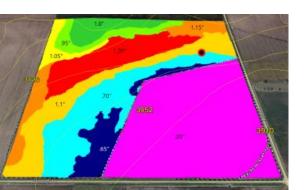
Precision Mapping, Soil Moisture Monitoring, and

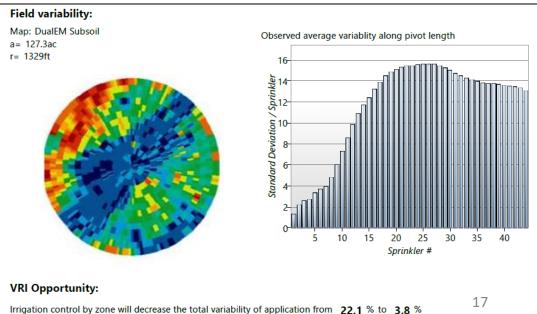
Irrigation Management

- Precision field mapping
- Soil moisture probes
- Irrigation prescriptions









Winners

- Producer
 - Increased net-farm income, diversified operation, increased efficiency
- Wildlife
 - Increased available habitat for millions of migratory birds and resident wildlife



Protecting Lives, Protecting Property, Protecting the Future.



Upper Big Blue NRD

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> David Eigenberg General Manager

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Questions?

