

# MO 5 Report

2012 North Central Work Planning  
Conference

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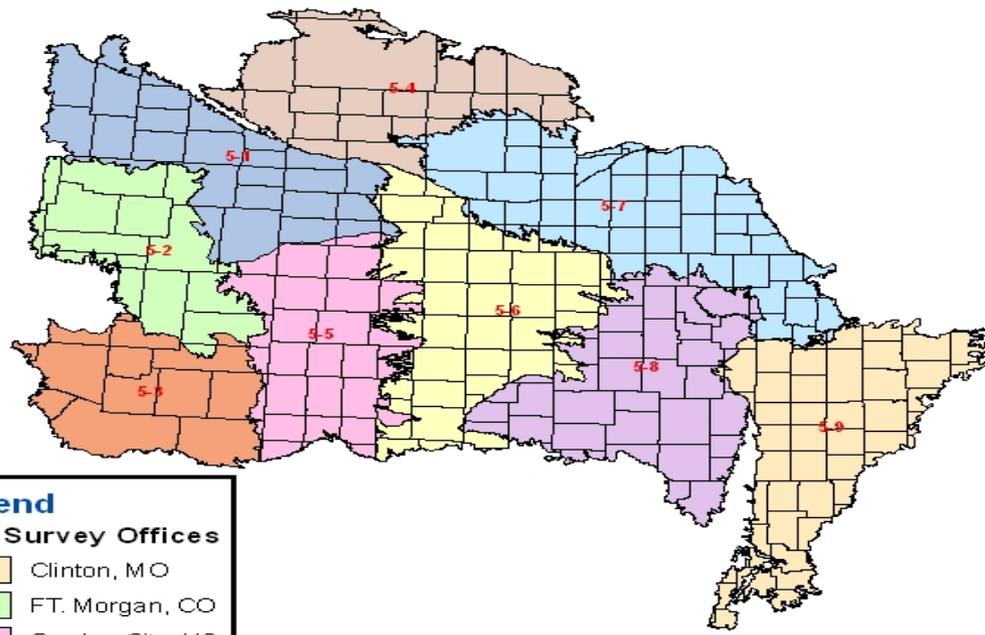
# Discussion Topics

- Soil Survey Staffing
- Soil Survey Projects
- Soil Investigation Projects
- Ecological Site Descriptions

# MLRA Office Staff

- MLRA Office Leader
- Region Senior Soil Scientist
- Soil Data Quality Specialist
- Cartographer

## MLRA Region 5 Soil Survey Office Locations



**Legend**  
**Soil Survey Offices**

|   |                  |
|---|------------------|
|   | Clinton, MO      |
|  | FT. Morgan, CO   |
|  | Garden City, KS  |
|  | Hays, KS         |
|  | Lincoln, NE      |
|  | North Platte, NE |
|  | Pueblo, CO       |
|  | Scottsbluff, CO  |
|  | Salina, KS       |

# MLRA Office Projects

- Completed mine land area updating in the eastern portion of MLRA 112
- Completed the Pawnee eroded project in MLRA 106
- Completed Roxbury frequently and occasionally flooded project in MLRA 73
- Continue to work on multi-county project in the NE sandhills

# MLRA Office Projects

- Completed Republic River Valley Project in MLRA 74
- Completed Etree silt loam project in MLRA 73
- Completed Crete silt loam project.
- Completed Dalhart-Satana Project
- Completed RaCA Project

# MLRA Office Projects

- Seven of the nine soil survey offices are working on SDJR project.
- Approximately 15 project have been correlated

# MO 5 Projects

Crete silt loam 0 to 1 percent slopes

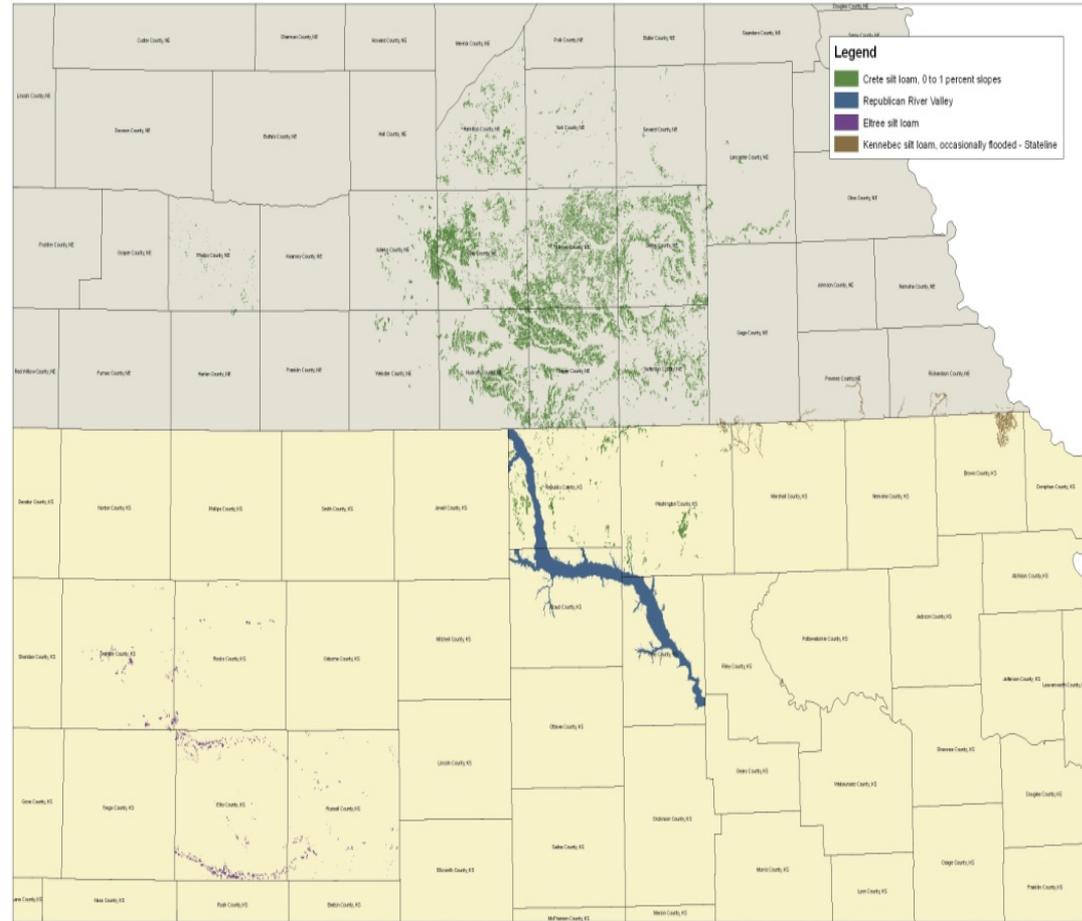
Republic River Valley Project

Eltree silt loam

Kennebec silt loam occasionally flooded



Kansas Soils Update Projects

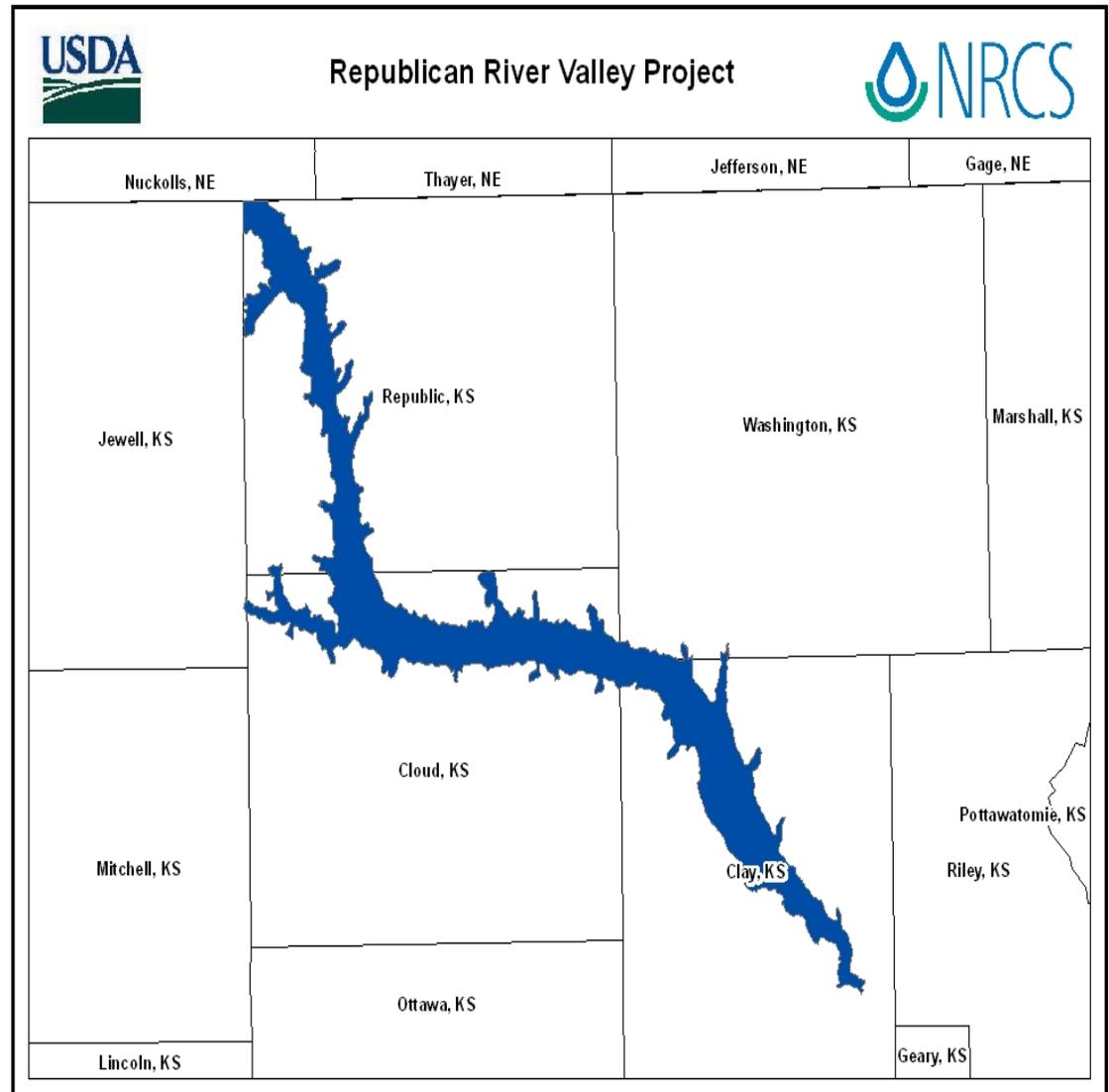


# Republic River Project

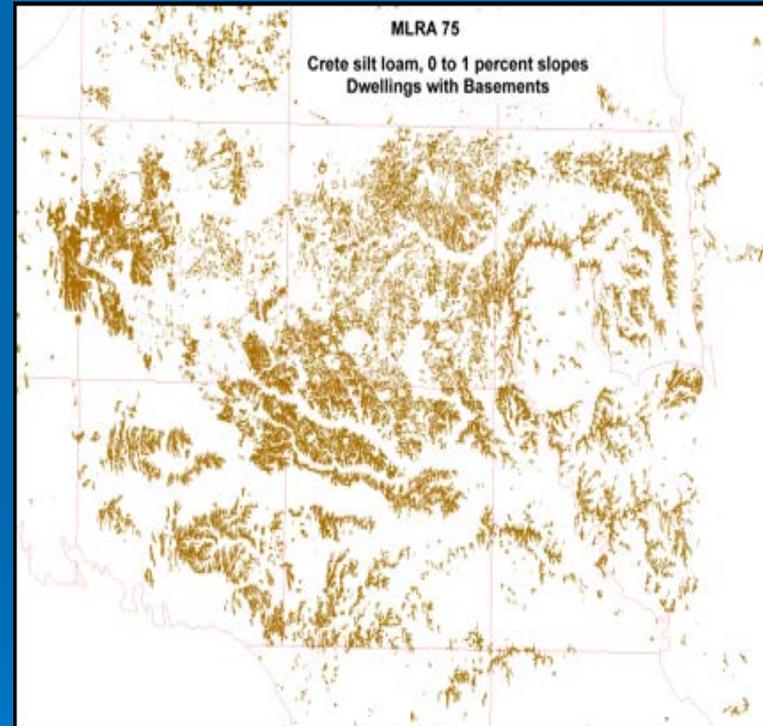
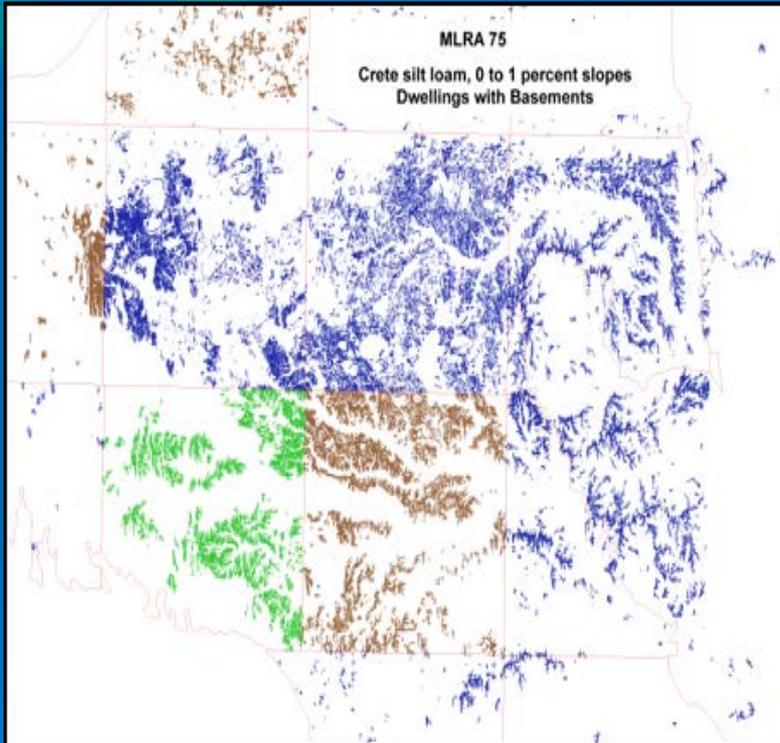
Mostly a remap project

Established 5 new series

Cover 6 counties in 2 states



# Crete Silt Loam 0 to 1 percent slopes



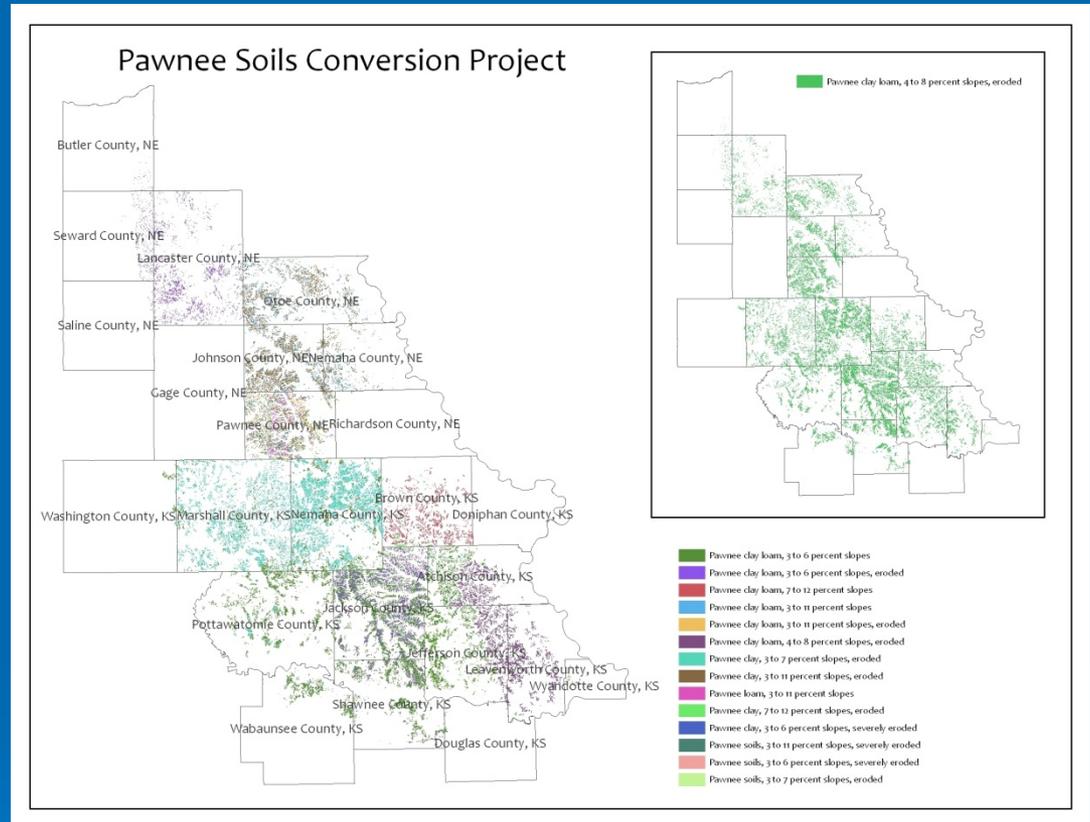
# Pawnee Soil Project

Standardized Pawnee eroded across county and state lines

Two method was used for project

Extensive field work

Limit field work with the use GIS technology

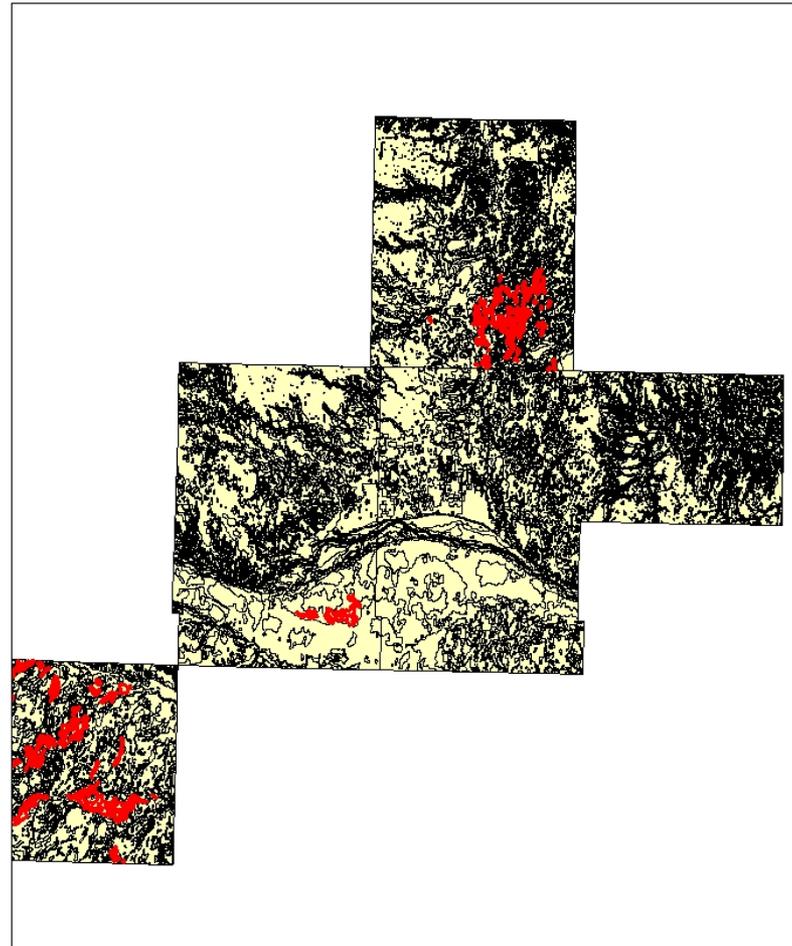


# MLRA Office

Completed Dalhart Project in MLRA  
72



## Dalhart Update Project



## MO 5 RaCA Points

Sampled 380 points for the  
Rapid  
Carbon Study

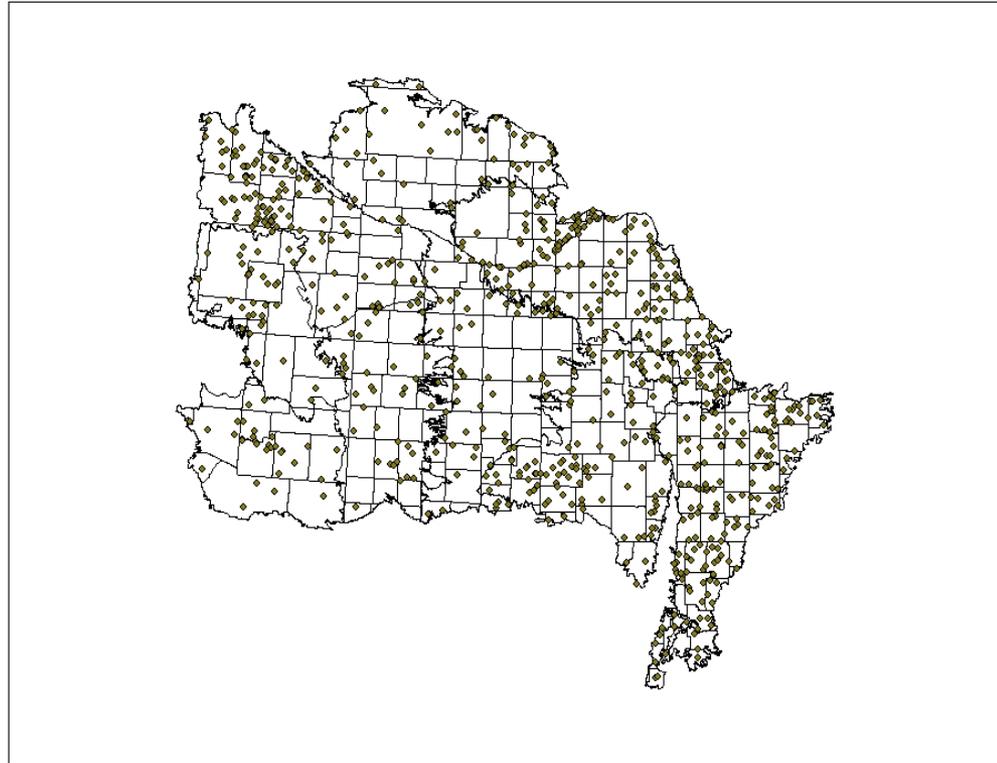
Completed VNIR analyses on  
all points

Enter all points into NASIS

Submitted required samples to  
NSSL



### MO 5 RaCA Points



# Soil Survey Investigation



# Investigation Projection

- Continue sampling benchmark soils and new series
- Continue monitoring and evaluating scan site data
- Continue monitoring and evaluating global water data logger sites
- Aggressively collect ksat data throughout the MO.

# Investigation Projection

Conduct hydraulic conductivity on benchmark soils

Continuing water table study throughout the state

Conduct DSP project on Kennebec soils







# Soil Survey Office Lab

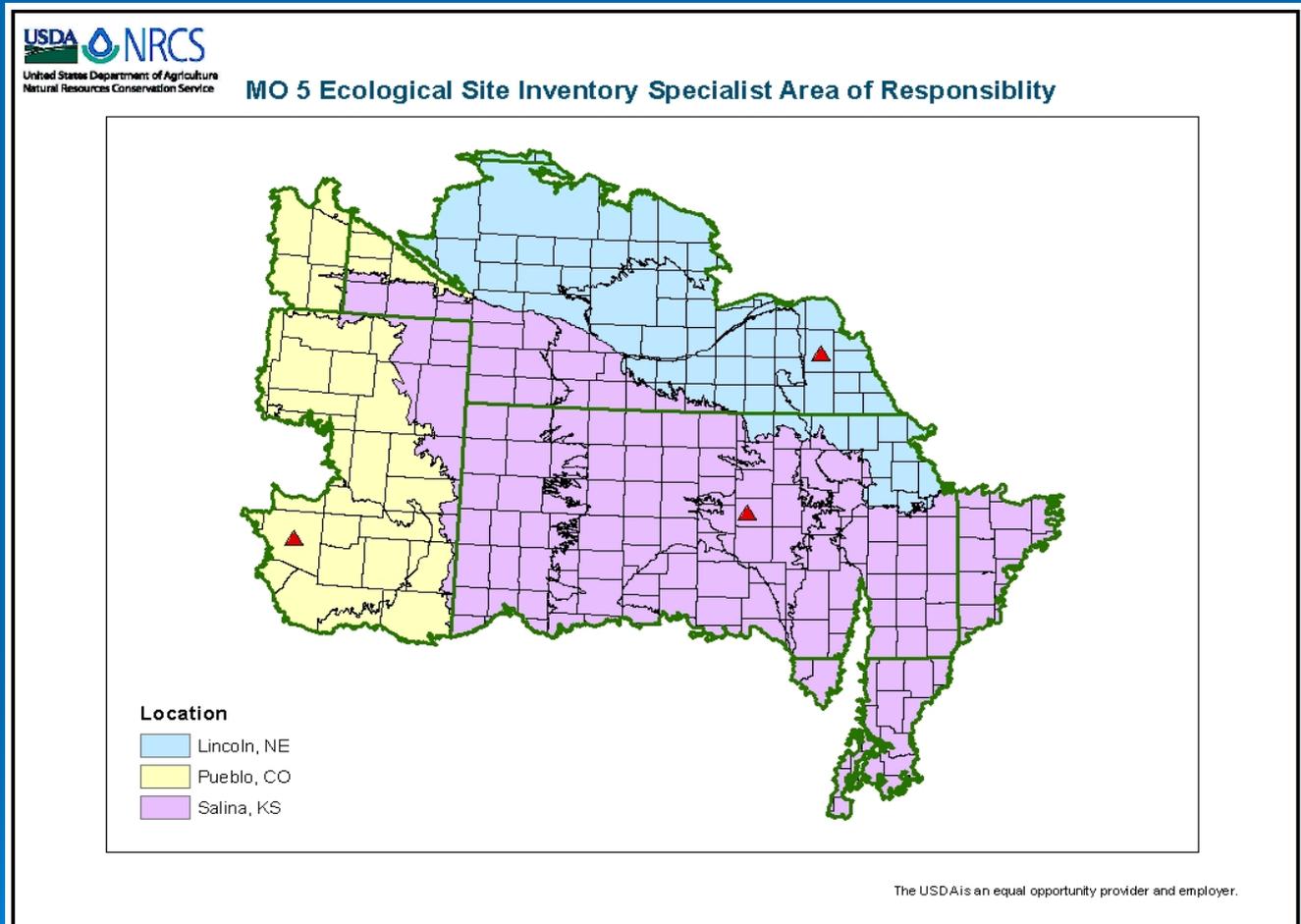


# Ecological Site Inventory Specialist

Lincoln, NE

Salina, KS

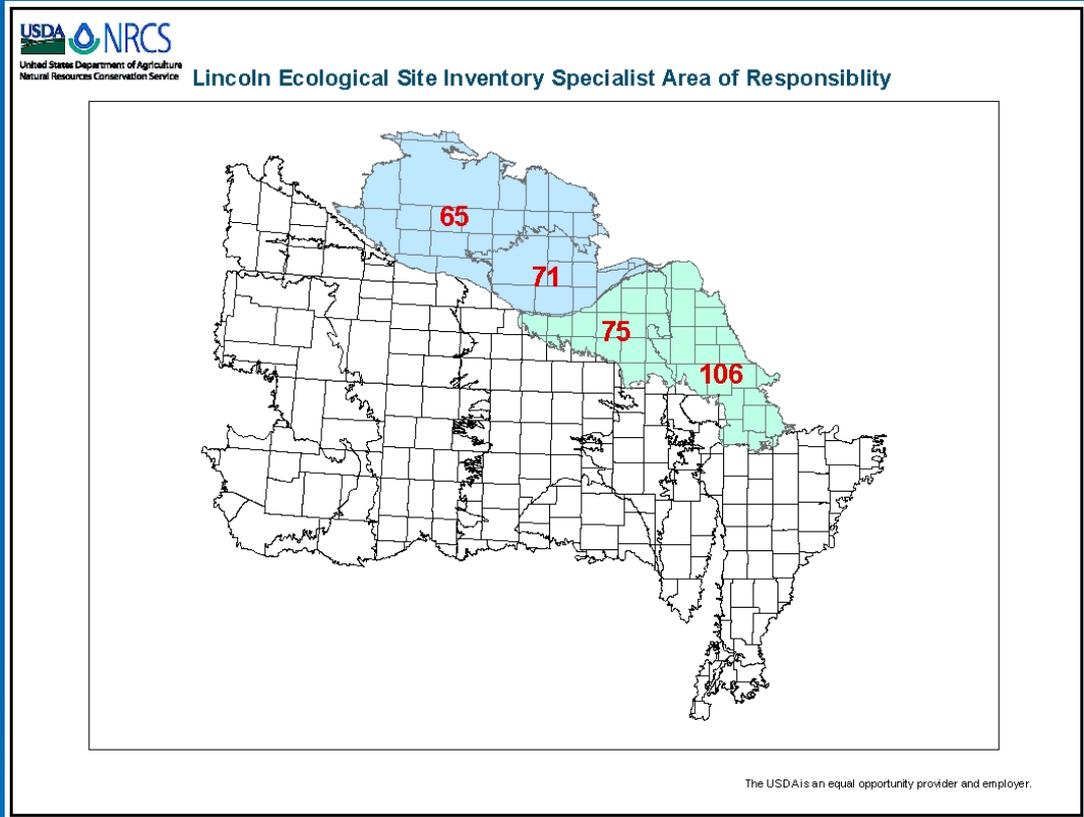
Pueblo, CO



# Lincoln, NE ESIS

Responsible For

MLRA 65, 71, 75, 106



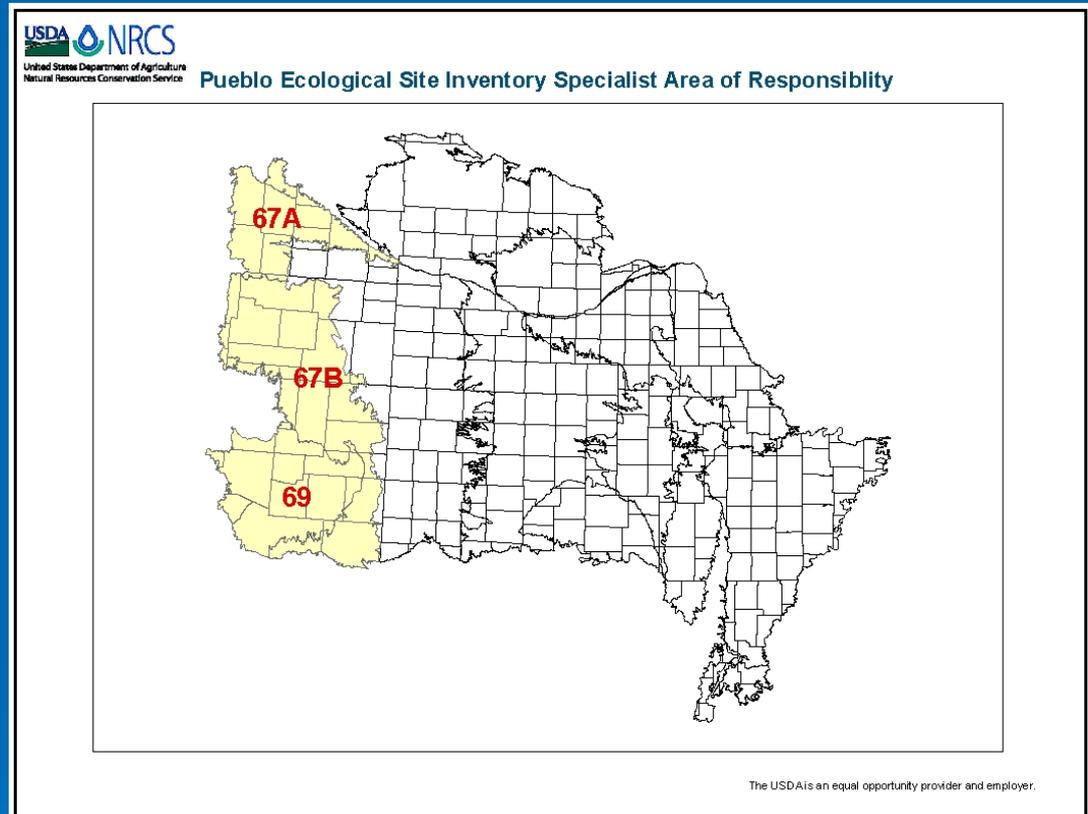
# Pueblo, CO ESI

Area of Responsibility

MLRAS 67A, 67B and 69

Developed Technical Team and held meeting

Determined project priority



# Salina, KS ESIS

## Area Of Responsibility

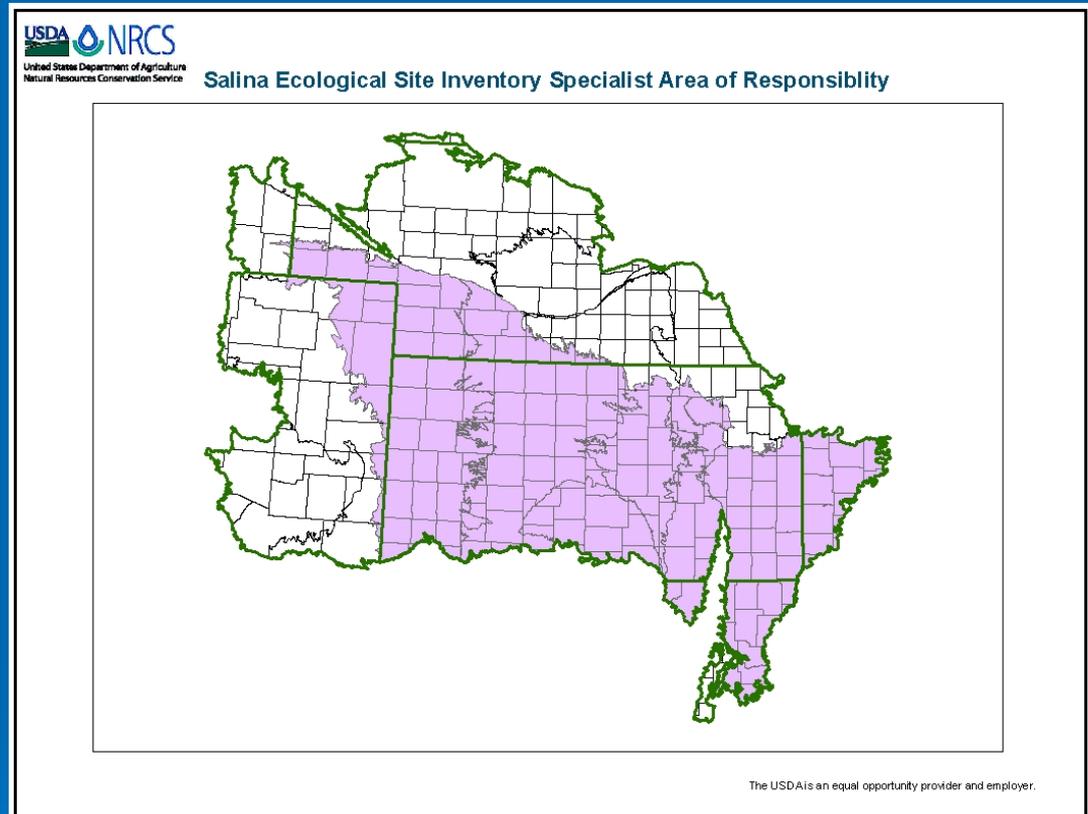
MLRA 72, 73, 74, 76 and 79

Developed Long Range Plan for  
MLRA 76

Develop Technical Team for MLRA  
76.

Developed 3 ESD Project Plans for  
76

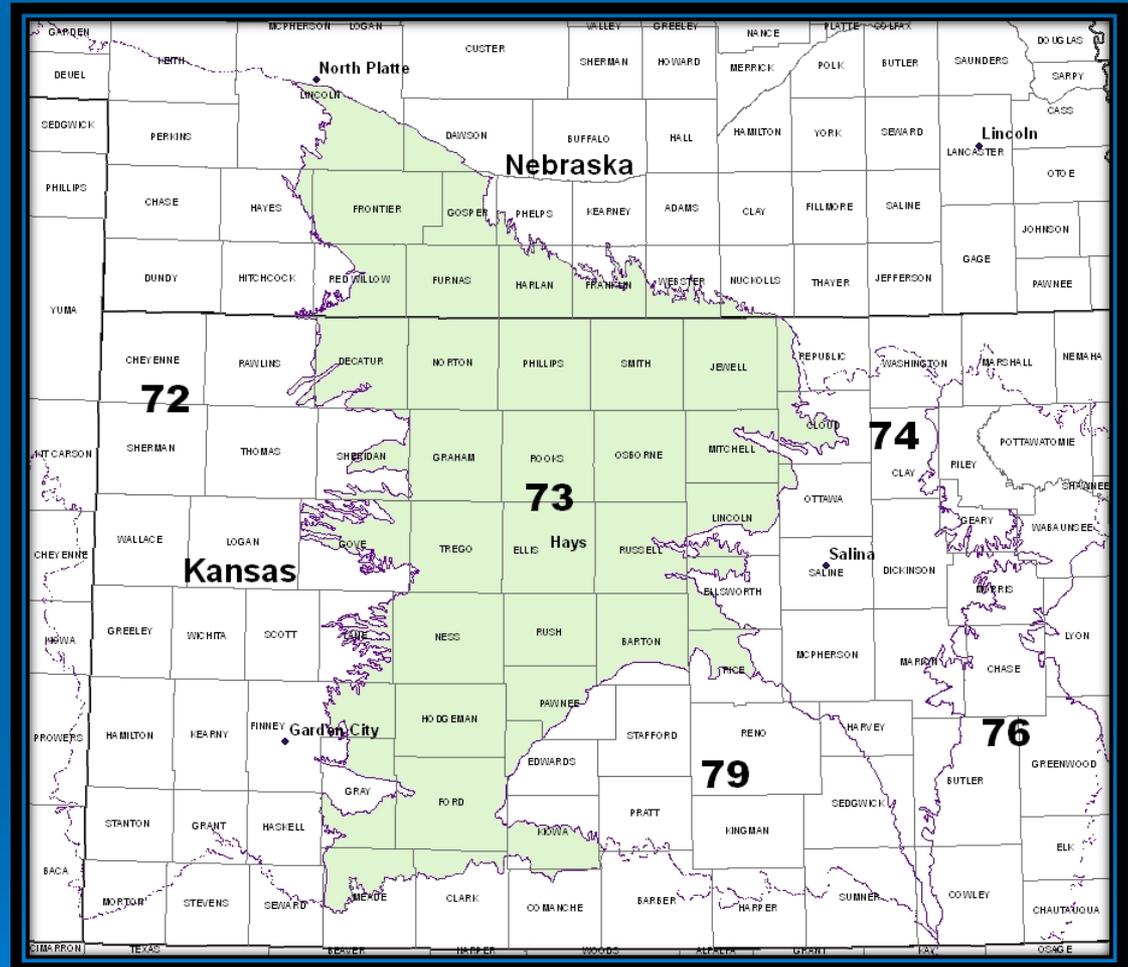
Goal to complete phase 1 of the  
project plan to submit for QA and  
certification by the end of the fiscal  
year.



**NATURAL RESOURCES  
CONSERVATION SERVICE  
Long-Range Plan  
Ecological Site Description (ESD)  
Major Land Resource Area  
73—Rolling Plains and Breaks**

**Soil Survey Project Office (SSO)  
SSO 5-6 Hays, KS**

**Chris Tecklenburg  
Ecological Site Inventory  
Specialist  
Salina Soil Survey Project Office  
1/1/2012**



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