

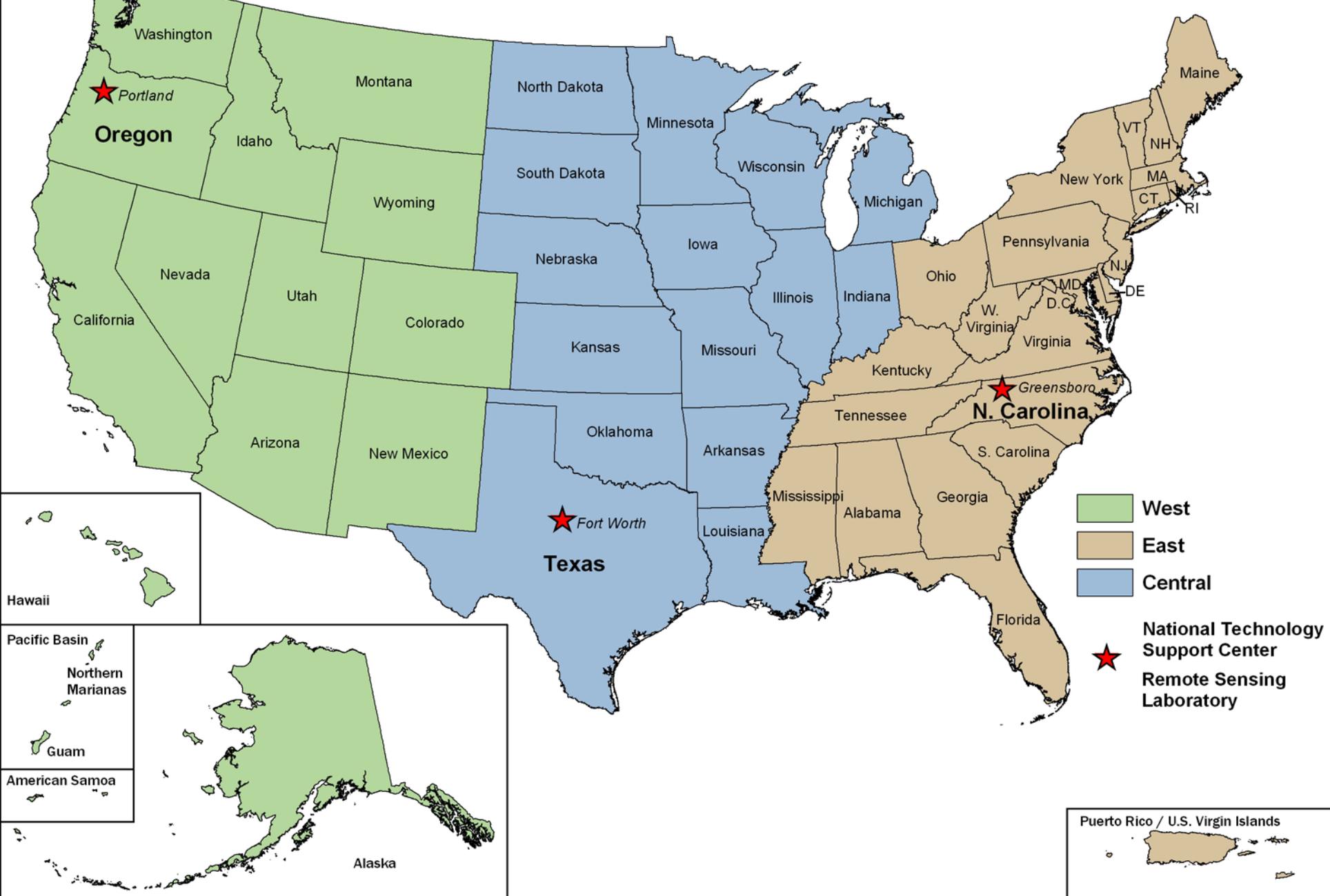
National Technology Support
Centers
Soil Scientists

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National Technology Support Centers/Remote Sensing Laboratories



Activities and Progress
in
Technical Soil Services

Edward L. Griffin

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Grazing Land Team

Ecological Site Descriptions and Forage Suitability Groups

Implementation Assistance Strategy

- ESDs and FSGs focusing on MLRAs
- Provide guidance to states in development of FSG soil sorting routines
- Assist in developing training materials, tools, templates, and examples for ESDs/FSGs
- Developing procedures for providing progress report of ESDs/FSGs development (GIS) by states for State Conservationists for region.

Soil Properties Sort Status

- AR - no sorts have been done
- IL - no sorts have been done
- IN - no sorts have been done
- IA - statewide sort has been done, but should probably be modified to MLRAs at some point
- KS - old Northern Plains Region sort has been done, but should probably be modified to MLRAs at some point
- LA - statewide sort has been done, but should probably be modified to MLRAs at some point
- MI - no sorts have been done, but interest has been expressed
- MN - no sorts have been done
- MO - statewide sort has been done, but should probably be modified to MLRAs at some point
- NE - old Northern Plains Region sort has been done, but should probably be modified to MLRAs at some point
- ND - old Northern Plains Region sort has been done, but should probably be modified to MLRAs at some point
- OK - statewide sort has been (with excess precision), but should probably be modified to MLRAs at some point
- SD - old Northern Plains Region sort has been done, but should probably be modified to MLRAs at some point
- TX - no sorts have been done in NASIS (at least with NSSC assistance), Rick Leopold has done some soil sorts
- WI - statewide sort has been done, but should probably be modified to MLRAs at some point
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Strategy to address ESD Identification Numbers containing obsolete MLRA numbers

Conduct teleconference with impacted states to review issue: NE, OK, KS, SD, and AR

Each state needs to ensure that an ESD Number exists or establish a new number in ESIS to the correlate the obsolete number to.

Determine if any soil map unit components in NASIS are correlated to an obsolete ESD Number.

Yes

Reassign obsolete ESD Number to correct ESD Number in NASIS and add text "Obsolete, correlated to (new ESD Number)" after ESD name in ESIS

No

Add text "Obsolete, correlated to (new ESD Number)" after ESD name in ESIS

Interdisciplinary Team Activities Plant and Soil Science Workshops

Agronomists, Resource Soil Scientists,
Plant Materials Specialists, and PMC
Managers

* Oklahoma

* Kansas * South Dakota

* Iowa

* Michigan

- ➔ inexpensive equipment
- ➔ simple to perform
- ➔ give rapid results
- ➔ agricultural soils



Soil Interpretations Criteria

- Drainage (Subsurface) soil interpretation
(Tile drains, and Underground Outlets)
- Gypsum soil interpretations for
engineering applications (States tested 3 interpretations)
- Modified ENG-Local Roads and Streets

Technical Soil Services Handbook

Conservation Practices Standards
Review and Development Process as
related to Resource Soil Scientists roles
at state, regional and national level.

Eastern States Quarterly Teleconference calls

With Resource Soil Scientists

Central States State Soil Scientists Technology Workgroup

- Coordinate Quarterly Teleconferences
- Created Share Point Site for posting information, documents, announcements and events.
- Route materials for peer review and information

Agricultural Research Service

- Soil Properties as related to Human Health
(Heart Attack and Strokes)
- Dynamic Soil Properties

National Employees Development Center Training

- Lead the overall coordination of the Hydric Soils for Wetland Delineation Course
- Coordinating a Cadre in updating the Hydric Soils Delineation course materials
- Created a share site for cadre to work on course documents
- Schedule teleconferences/net meetings as needed

Conservation Innovation Grants National Technical Contact

- The Use of Gypsum to Ameliorate Soil Sodicity in Irrigated Cotton Production on the southern High Plains (TX)
- Using Permacrop System to improve Soil and Water Quality, Sequester Carbon for improving Air Quality and to increase Habitat Diversity for Wildlife on Steep Nora Crofton Slopes in the Shell Creek Watershed in Nebraska (NE)

Soil Survey Division Training

- **Soil Technology-Application Of Soil Data Viewer 5.2 and ArcGIS 9.2 in Technical Soil Services** (Assisting Marc and Terry with creating distance-learning format)
- **Soil Technology- Programs and Applications in TSS** (Member of a cadre assisting with redesigning course)

Questions