Introduction of Ecological Site Descriptions and their Component Parts

Homer Sanchez
Range Management Specialist
National Grazing Lands Team
Fort Worth, TX
USDA-NRCS

What is an Ecological Site?

* An ecological site is defined as a distinctive kind of land with specific physical characteristics that differs from other kinds of land in its ability to produce a distinctive kind and amount of vegetation.

Rough Breaks Site

Wet Bottomland Site

Each Ecological Site is the product of all the Environmental Factors responsible for its development.

Soils

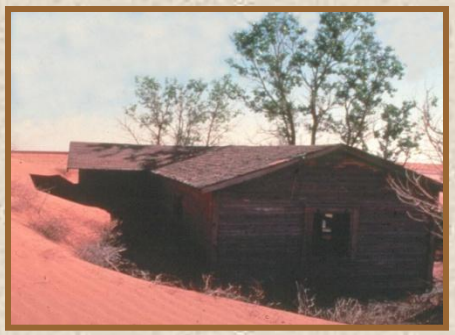
Topography

Climate

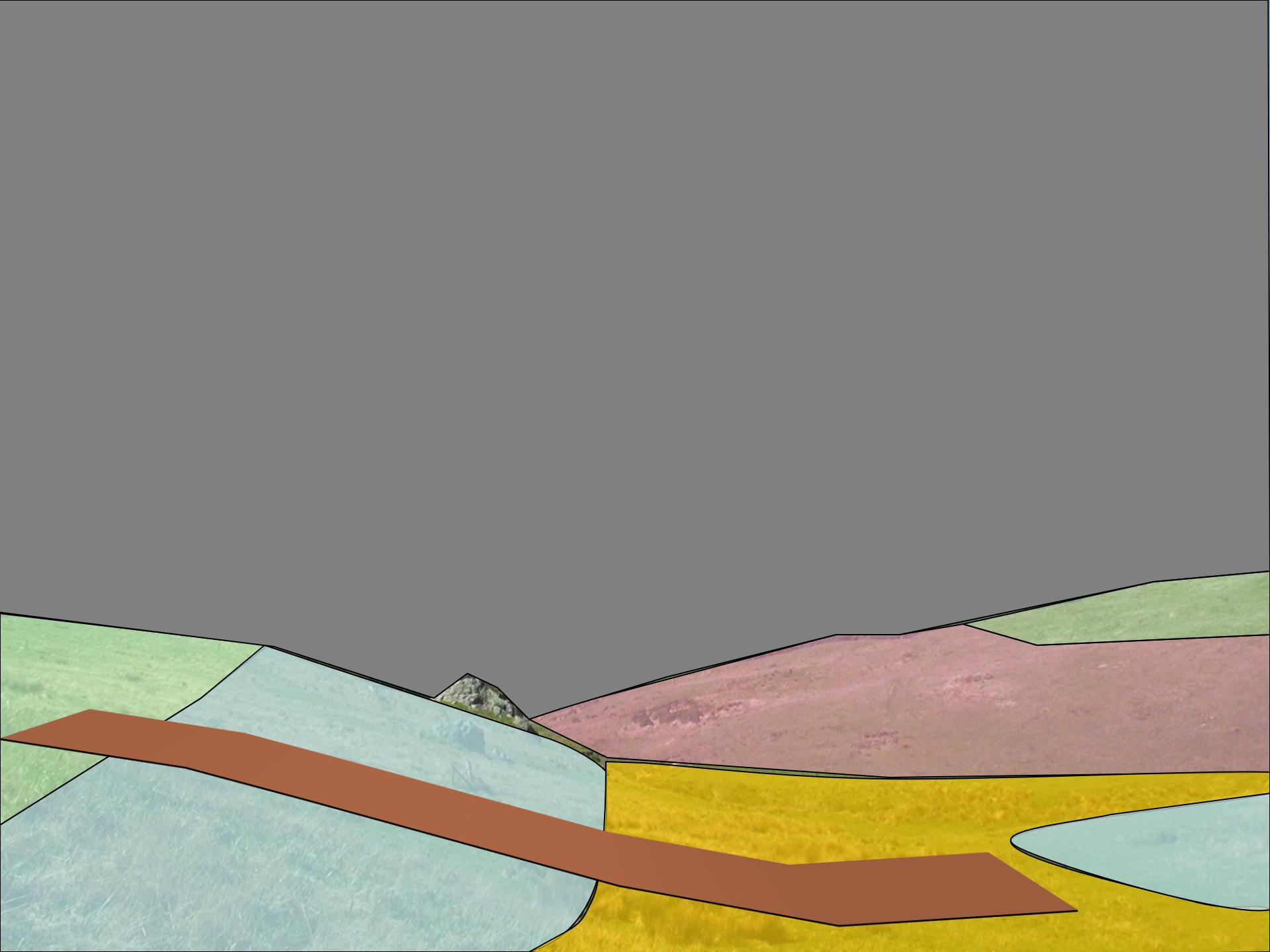
Other factors include Natural Disturbances such as:

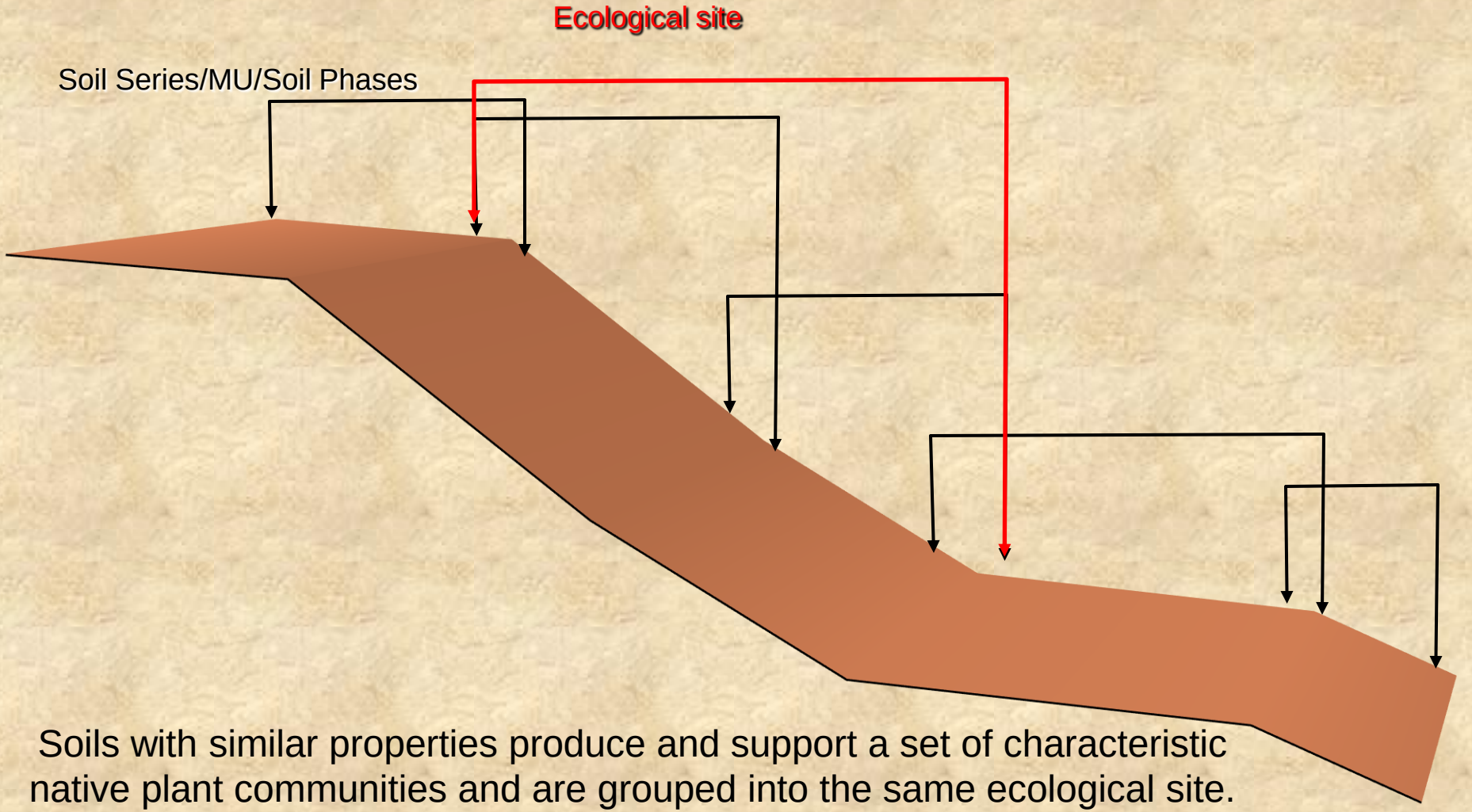
Fire

Herbivory

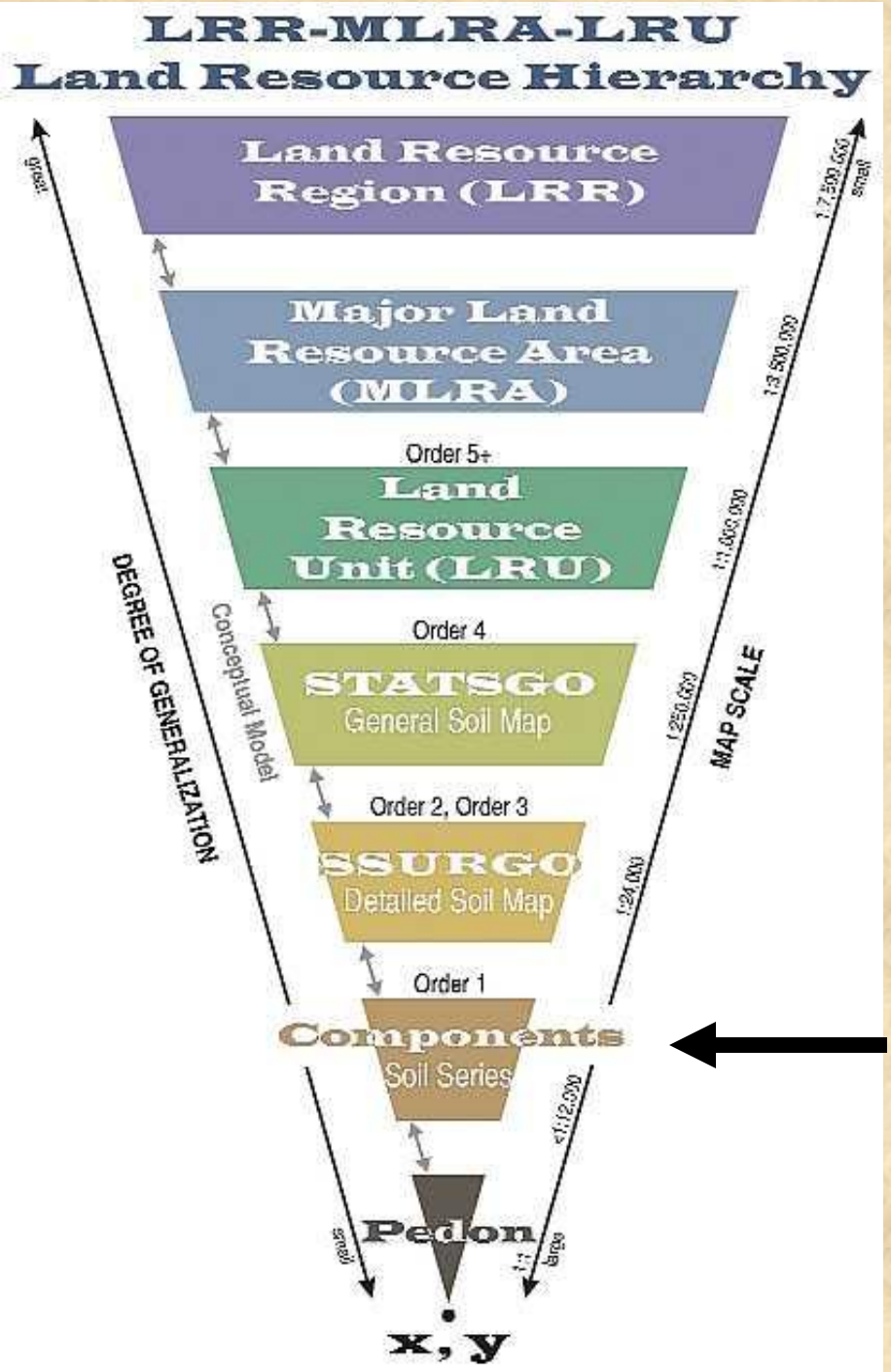


Drought





Soils with similar properties produce and support a set of characteristic native plant communities and are grouped into the same ecological site.



NRCS Hierarchical Classification System

LRR

MLRA

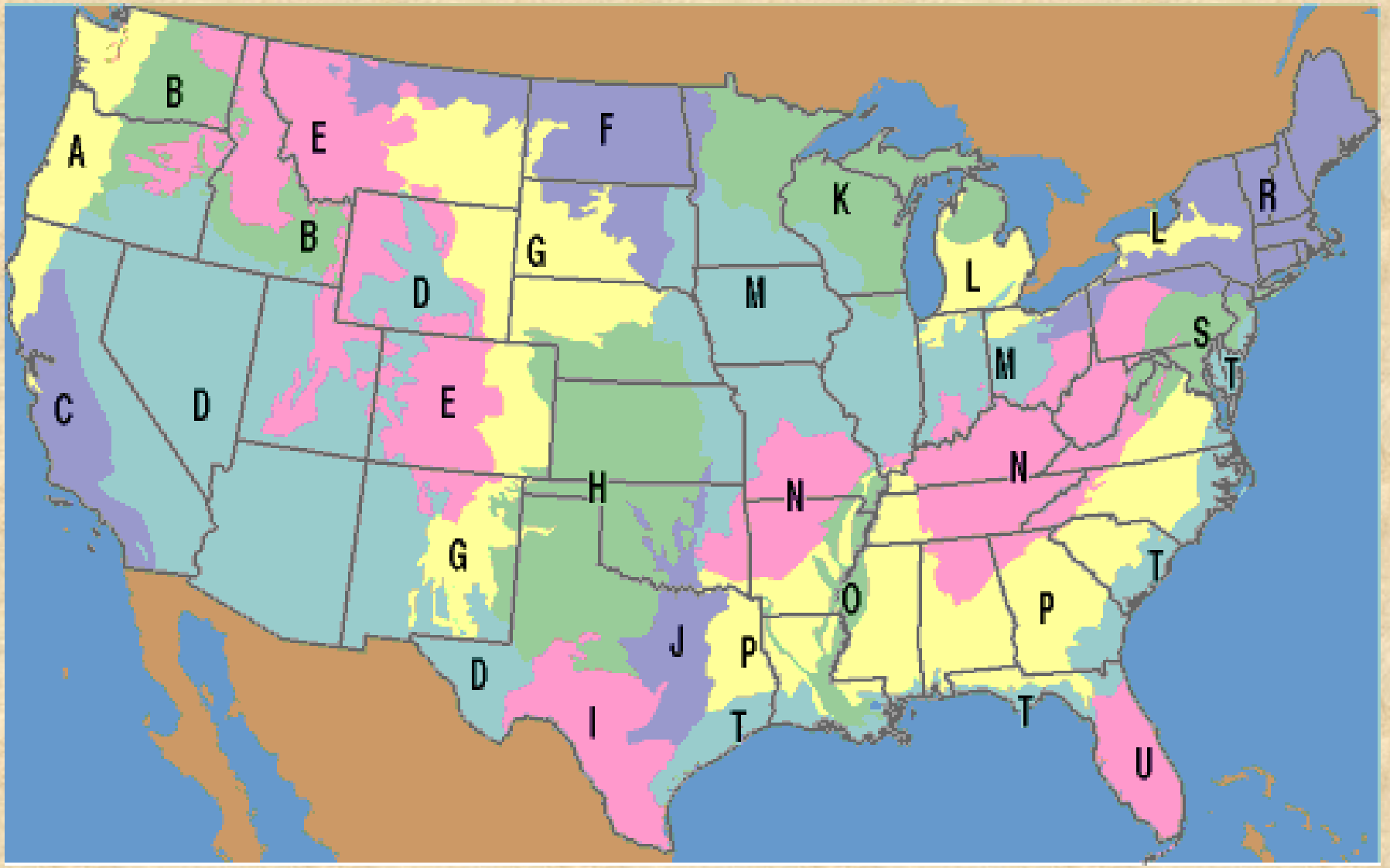
LRU

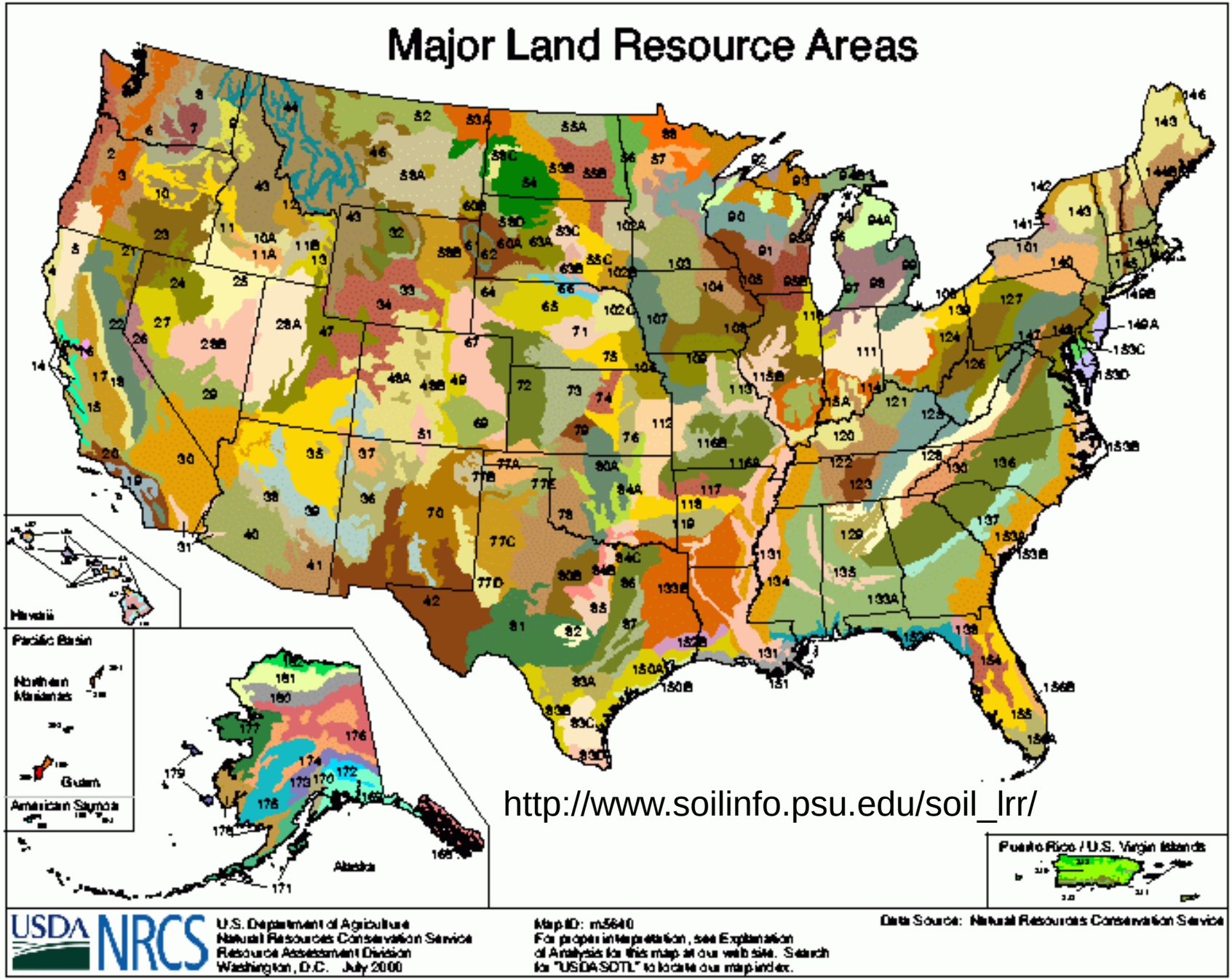
General Soil Map

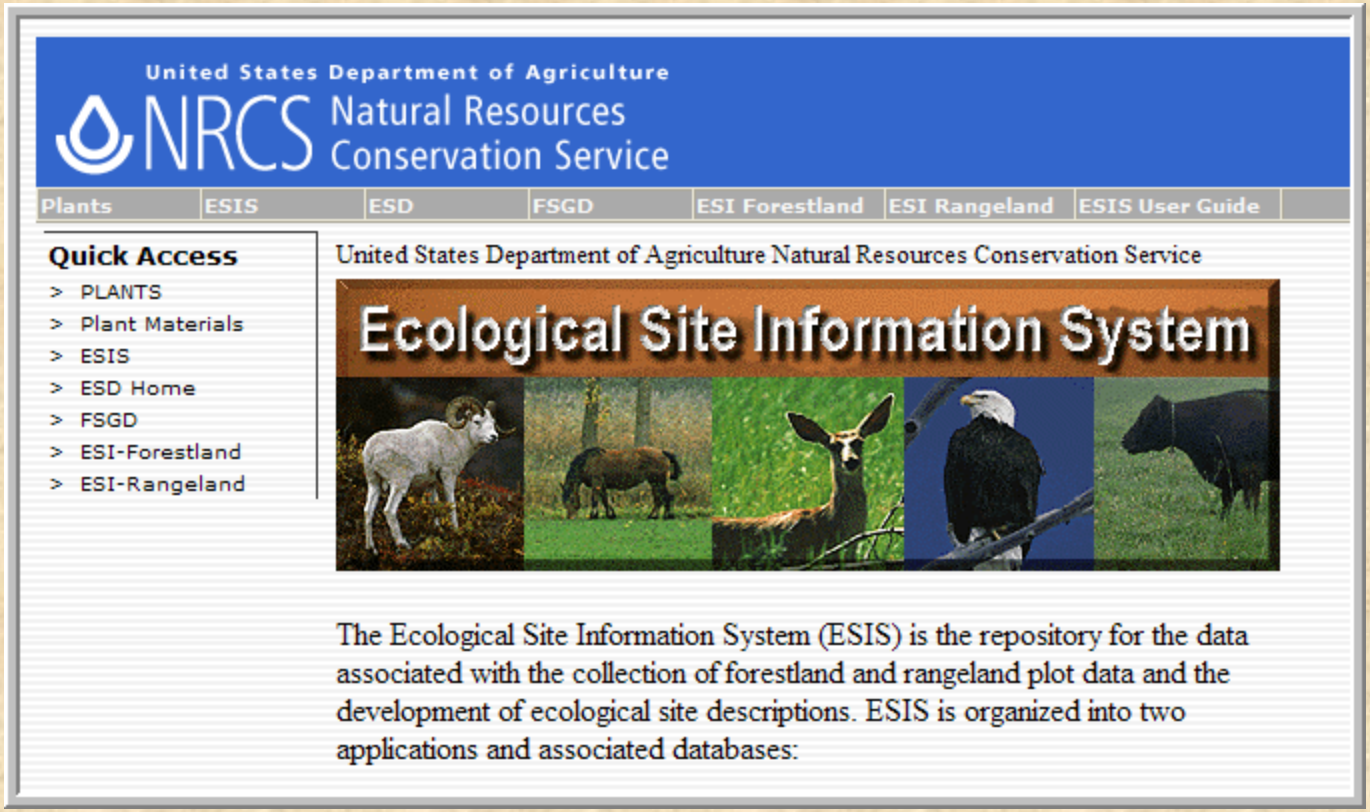
Detailed Soil Map

ESD – developed at soil series level/map unit component

Land resource regions (LRR) are geographically associated groups of major land resource areas and consist mainly of areas that have very broadly related patterns of soil, climate, water resources, and land use.

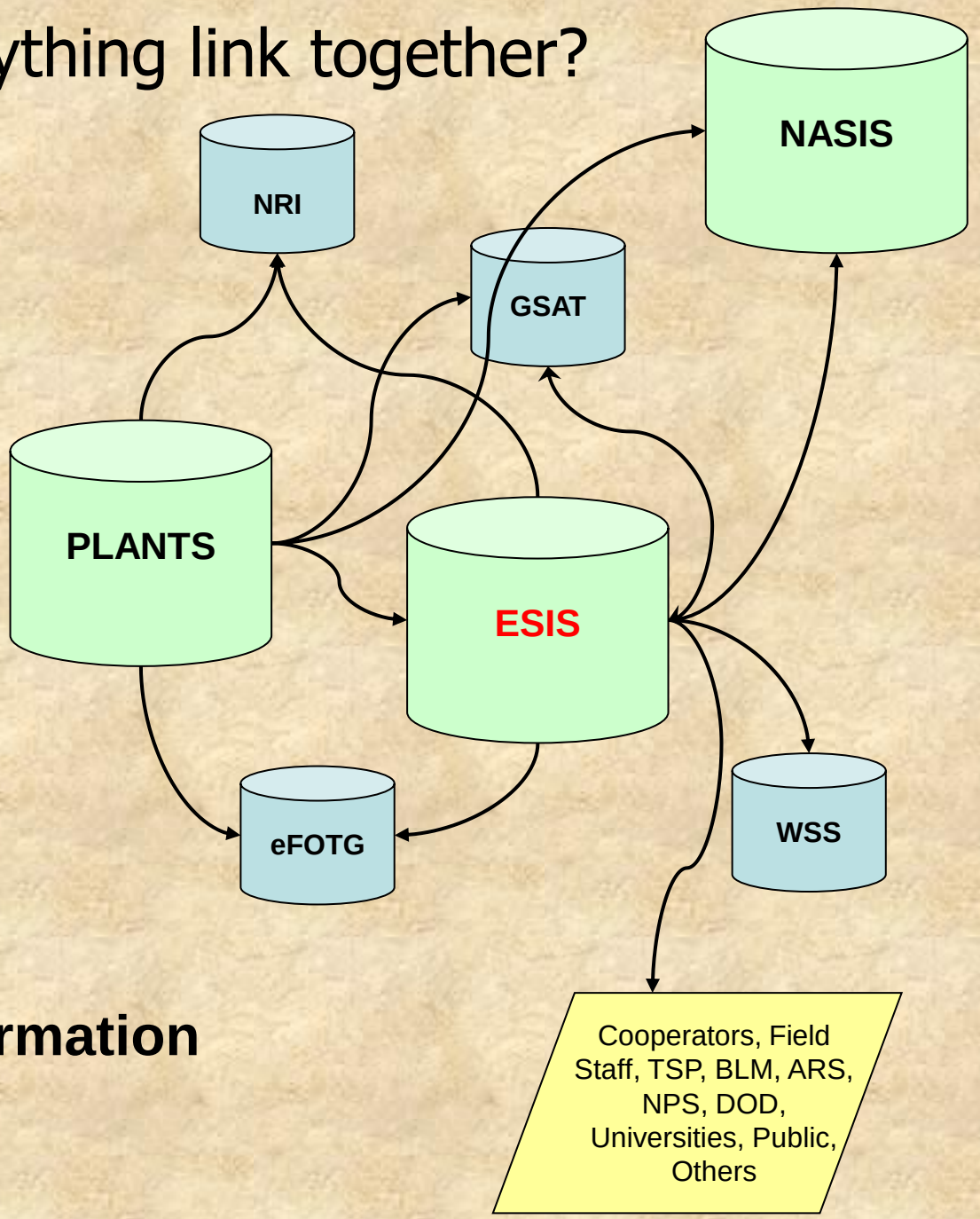



Major Land Resource Areas
Hawaii
Pacific Basin
Northern Marianas
Guam
American Samoa
Alaska
Puerto Rico / U.S. Virgin Islands
http://www.soilinfo.psu.edu/soil_lrr/
USDA NRCS
U.S. Department of Agriculture
Natural Resources Conservation Service
Resource Assessment Division
Washington, D.C. July 2000
Map ID: m5640
For proper interpretation, see Explanation of Analysis for this map at our web site. Search for "USDA SOTL" to locate our map index.
Data Source: Natural Resources Conservation Service



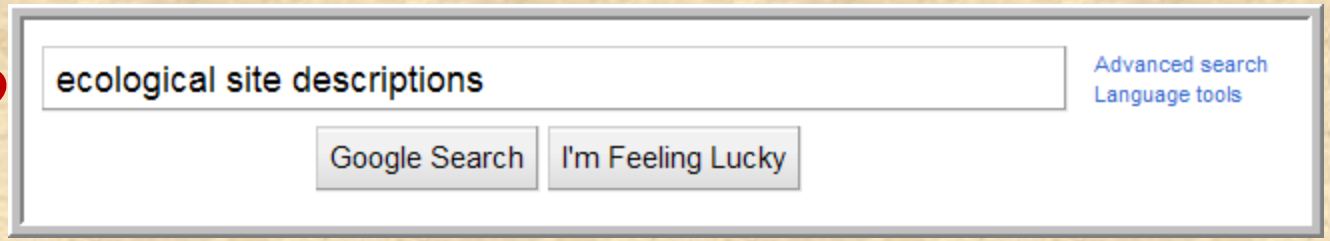
- **Establishes a national repository for ecological site description products (ESD)**
- **Facilitates NASIS link between soils and ecological sites**
- **Facilitates (ESD) information to be linked to other databases such as:**
  - **Web Soil Survey**
  - **eFOTG**

So, How does everything link together?



Ecological Site Information (ESIS) Flow Chart

Access



Google

ecological site descriptions Search

About 1,650,000 results Advanced search

Everything
Images
Videos
News
Shopping
More

Show search tools

ESD - Ecological Site Description System
The **Ecological Site Description** (ESD) application provides the capability to enter, edit, and view reports of rangeland and forest land **ecological site descriptions** ...
esis.sc.egov.usda.gov/Welcome/pgESDWelcome.aspx - Cached - Similar

Ecological Site Information System
ESIS is the NRCS repository for **ecological site descriptions** and for ...
esis.sc.egov.usda.gov/ - Cached - Similar

Approved ESD Reports - **Ecological Site Description** System
Anyone may view reports of approved **Ecological Site Descriptions**. To view ...
esis.sc.egov.usda.gov/Welcome/pgReportLocation.aspx?type=ESD - Cached - Similar

Ecological Site Descriptions | Montana NRCS
Jun 16, 2005 ... Montana's **Ecological Site Descriptions** are in the process ...
www.mt.nrcs.usda.gov/technical/ecs/range/ecol**sites**/ - Cached - Similar

Ecological Sites
What is an **Ecological Site Description**? By Tracey Jean Wolfe. SRM Certified Professional in Rangeland Management. During the first part of the century farms ...
nevada.rangelands.org/.../2008-10%20What%20is%20an%20**Ecological**%20**Site**%20**Description**.pdf - Cached - Similar

Ecological Site Descriptions | The Jornada
This page provides some definitions for **ecological site descriptions** (ESDs) and provides tools and literature pertaining to their development. A comprehensive ...
jornada.nmsu.edu/esd - Cached - Similar

my.NRCS-Employee Tools - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Links
Address https://my.nrcs.usda.gov/emptools.aspx Go

USDA United States Department of Agriculture
Natural Resources Conservation Service
NRCS
my.NRCS Employee Intranet

In The News
- Energy Estimator: Tillage
- Web Soil Survey

Program Delivery
- Environmental Easements
- Land Evaluation Site Assessment (LESA)
- CSP Self-Assessment

Operations
- SCIMS Link Manager (customers)
- Affiliates Affiliates has been redesigned. Information about the changes to this application may be found in the Affiliates Help system.
- USDA Service Center Forms
- Service Center Agencies Online Services
- Office Information Profile (OIP)

USDA eAuthentication

- ProTracts — Cost-Share Agreements
- Fund Mgr — Fund Manager
- PRS — Performance
- Points — Program Tracking
- WebTCAS — Time and Attendance
- eFOTG — Field Office Technical Guide
- CSG — Conservation System Guides
- CPS — Conservation Practice Standards
- Gateway — Resource Data
- SCIMS — Customers

Support
- Support — Customer Service Toolkit Permissions
- Customer Service Toolkit Home
- ProTracts Support Site

Related Links
- NRCS Information Technology Center

Downloads
- Hydraulic — Hydraulic Formula Program (National Bulletin 210-3-5)
- Soil Data Viewer CCE Download *(Team Services login required)*
- Survey Engineering Tool (SET)
- Pond Design (WinPond)
- Nutrient Management Planning (AFO Pro)

Accountability
- TechReg — Technical Service Providers
- TechPRS — TSP Performance
  As of **June 21, 2005**, TSP accomplishments will be reported in PRS. For more information, see Make the Switch to PRS.
- Workload Analysis (WLA)
- FSA Compliance Reviews

Resource Information
- PLANTS Database
- Ecological Sites (ESIS)
- Soil Data Viewer
- Soil Survey
- Vegetative Planning and Design (VegSpec)

Resource Analysis
- Economic Tools by Landuse
- Manure Master
- Energy Calculator
- Soil Tillage Intensity Rating (STIR)

http://policy.nrcs.usda.gov/scripts/lpsiis.dll/NB/NB_210_3_5.htm
Trusted sites
start C:\Documents and Se... Inbox - Microsoft Out... Microsoft PowerPoint ... my.NRCS-Employee T... 12:48 PM

Welcome to the PLANTS Database | USDA PLANTS - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Links

Address http://plants.usda.gov/ Go

USDA United States Department of Agriculture
Natural Resources Conservation Service

NRCS

PLANTS Database

Home | About PLANTS | Team | Partners | What's New | NPDC | Help | Contact Us

Image Gallery
- 30,000+ Plant Images
- Submit Your Images to PLANTS

Download
- Complete PLANTS Checklist
- State PLANTS Checklist
- Symbols for Unknown Plants
- State PLANTS GSAT Lists
- PLANTS Posters

Related Tools
- Crop Nutrient Tool
- Ecological Site Information System
- Plant Materials Web Site
- Other NRCS Tech Resources
- VegSpec

Plant Links
- PLANTS Links

county distribution data for 48 states!

Web Site Modernization
We are modernizing PLANTS to fit the new USDA Web standard, which is part of a broader USDA initiative called Web Site Development and Maintenance. To date the PLANTS home page, Name Search results page, Classification Report, State Search and PLANTS Profiles have been updated, with the rest to follow.

Submit Your Photos
Contribute your photos to PLANTS! We are looking for accurately identified submissions of 100 or more images, preferably with supporting information including date and location.

PLANTS Posters
Dress up your home or office with PLANTS Posters featuring lovely plants such as small-whorled pogonia (*Isotria medeoloides*) and red columbine (*Aquilegia canadensis*). Our seven printer-friendly posters can be downloaded in two formats (8.5" x 11" or 11" x 17"), and printed at home or at your local print shop.

NPDC Product Catalog (PDF; 702KB)
This publication highlights the National Plant Data Center's products and information, and provides information on future products under development. Requires Adobe Reader.

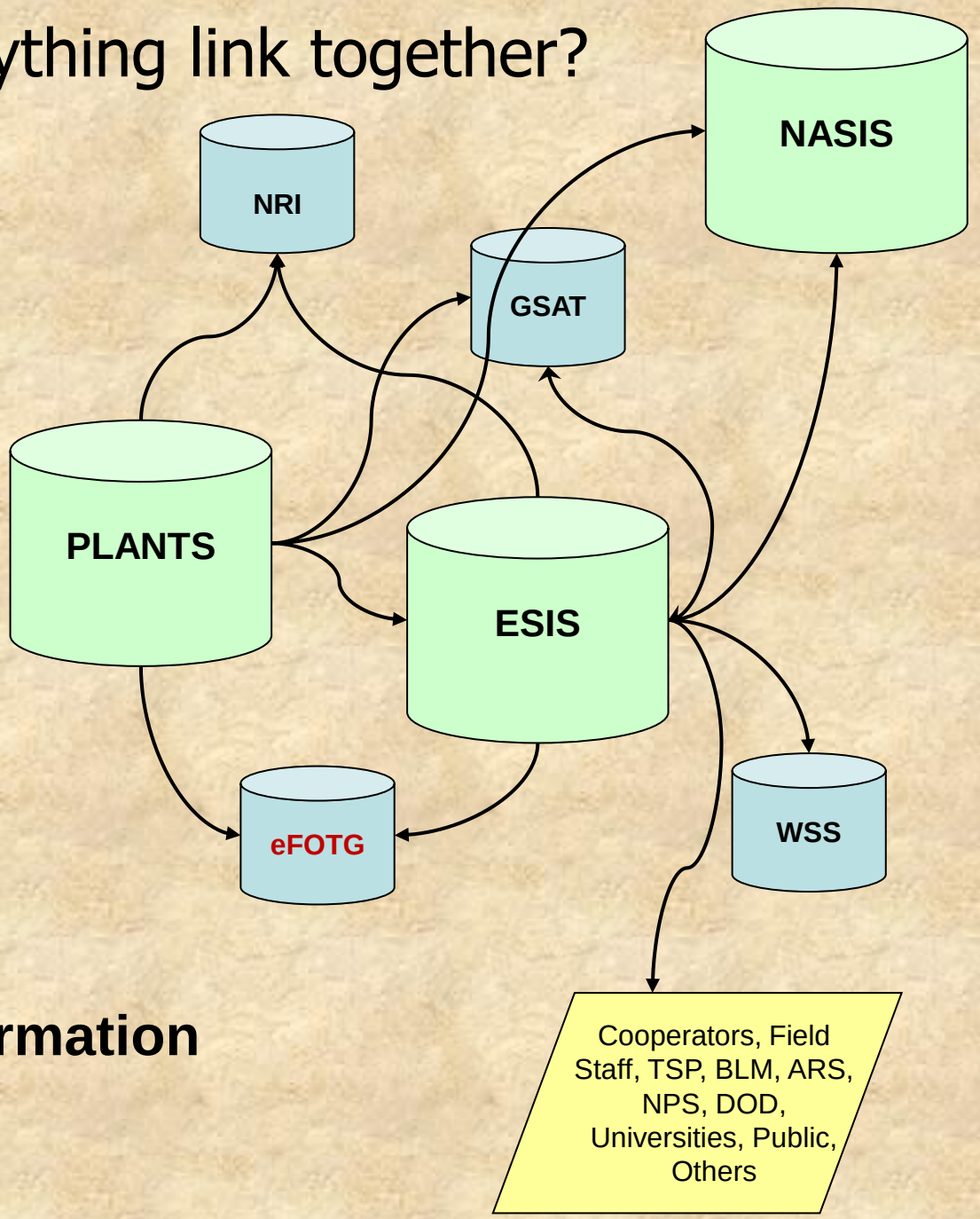
conservation purposes

I Want Help
- Introduction to PLANTS
- Frequently Asked Questions
- Citing the PLANTS Database
- Intellectual Property Statement
- Contribute Your Photos to PLANTS
- Update PLANTS Distribution Maps

Trusted sites

start | C:\Documents and Se... | Inbox - Microsoft Out... | Microsoft PowerPoint ... | Welcome to the PLAN... | 12:46 PM

So, How does everything link together?



Ecological Site Information (ESIS) Flow Chart

eFOTG Tree Menu - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Links
Address http://efotg.nrcs.usda.gov/treemenuFS.aspx?Fips=48111&MenuName=menuTX.zip Go

United States Department of Agriculture
NRCS Natural Resources Conservation Service

eFOTG | Search/Index | About

DALLAM COUNTY, TX

eFOTG
a component of SmarTech

May 9 | Tues Close | Preferences | Contact | Help

electronic Field Office Technical Guide

Information | Thunderbook

Search menu: GO!

eFOTG | FYI

- eFOTG
  - Section I
  - Section II
    - Table of Contents
    - A. Soils Information for All Texas Soil Survey Areas
    - B. Climatic Data
    - C. Cultural Resources Information
    - D. Threatened and Endangered Species
    - E. Forage Suitability Groups
    - F. Ecological Site Descriptions
  - Section III
  - Section IV
  - Section V

eFOTG Home Page

What is eFOTG?

Technical guides are the primary scientific references for NRCS. They contain technical information about the conservation of soil, water, air, and related plant and animal resources.

...more

For additional information and requirements please contact your local USDA Service Center.

What's in eFOTG?

Section I -General References
Section II -Natural Resources Information
Section III-Conservation Management Systems
Section IV -Practice Standards and Specifications
Section V -Conservation Effects ...more

In The Spotlight

Tools

Technical Materials

What's Changed Recently

Determining Effluent Application Rates (4/27/2006)
Determining Effluent Application Rates (4/27/2006)
Restoration and Management of Declining Habitats
Texas Supplement for MLRA 83 & 150 (4/25/2006)

...more (Last 30 days)

Draft eFOTG

State Specific Notices

http://www.usda.gov/
Trusted sites
start C:\Documents an... 2 Microsoft Offic... Microsoft PowerP... 2 Internet Explorer Ch4NRPH Revion ... 8:52 AM

eFOTG Tree Menu - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Links
Address http://efotg.nrcs.usda.gov/treemenuFS.aspx?Fips=48111&MenuName=menuTX.zip Go

United States Department of Agriculture
NRCS Natural Resources Conservation Service

eFOTG | Search/Index | About

eFOTG
DALLAM COUNTY, TX
a component of SmorTech
electronic Field Office Technical Guide

May 9 | Tues Close | Preferences | Contact | Help

Information | Thunderbook

Search menu: GO!

eFOTG | FYI

- Section I
- Section II
  - Table of Contents
  - A. Soils Information for All Texas Soil Survey Areas
  - B. Climatic Data
  - C. Cultural Resources Information
  - D. Threatened and Endangered Species
  - E. Forage Suitability Groups
  - F. Ecological Site Descriptions
    - 1 Texas MLRA Map
    - 2 Precipitation Effectiveness (P-E) Map
    - 3 Ecological Site Descriptions
    - MLRA 42
    - MLRA 70B
    - MLRA 77A
      - Deep Hardland 25-36 R077AY001TX
        - ESD - Deep Hardland 25-36
        - Reference Worksheet

eFOTG Home Page

What is eFOTG?

Technical guides are the primary scientific references for NRCS. They contain technical information about the conservation of soil, water, air, and related plant and animal resources. ...more

For additional information and requirements please contact your local USDA Service Center.

What's in eFOTG?

Section I -General References
Section II -Natural Resources Information
Section III-Conservation Management Systems
Section IV -Practice Standards and Specifications
Section V -Conservation Effects ...more

In The Spotlight

Tools

Technical Materials

What's Changed Recently

Determining Effluent Application Rates (4/27/2006)
Determining Effluent Application Rates (4/27/2006)
Restoration and Management of Declining Habitats
Texas Supplement for MLRA 83 & 150 (4/25/2006)

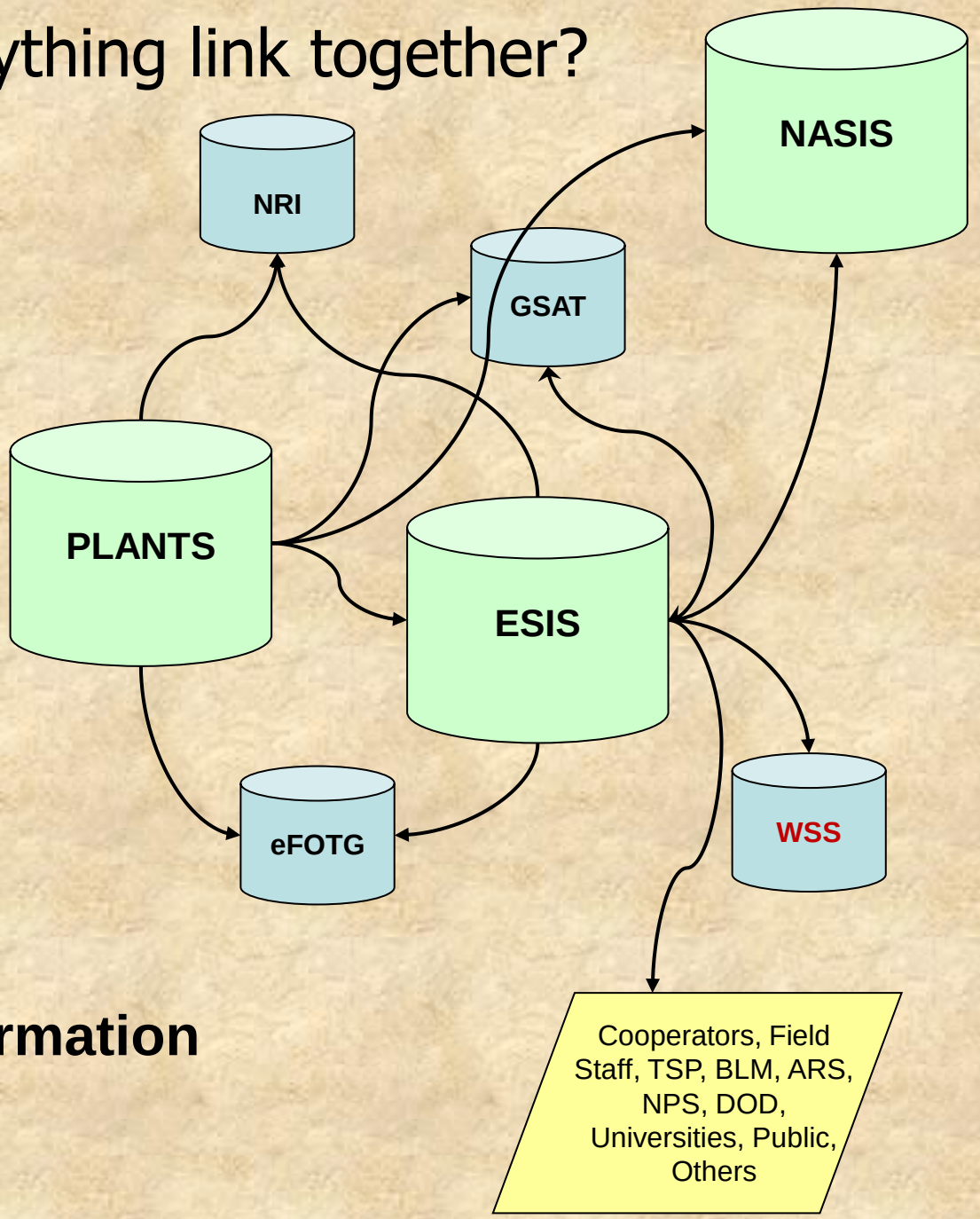
...more (Last 30 days)

Draft eFOTG

State Specific Notices

Trusted sites
start C:\Documents an... 2 Microsoft Offic... Microsoft PowerP... 2 Internet Explorer Ch4NRPH Revion ... 8:53 AM

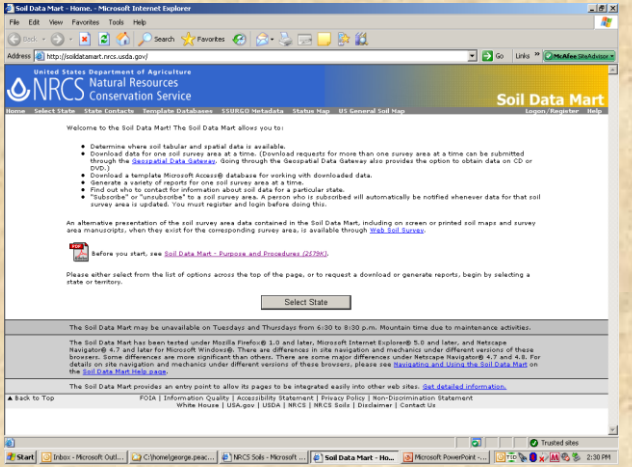
So, How does everything link together?



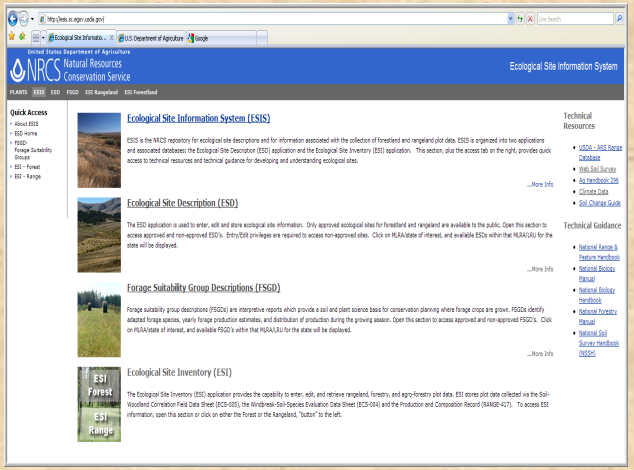
Ecological Site Information (ESIS) Flow Chart

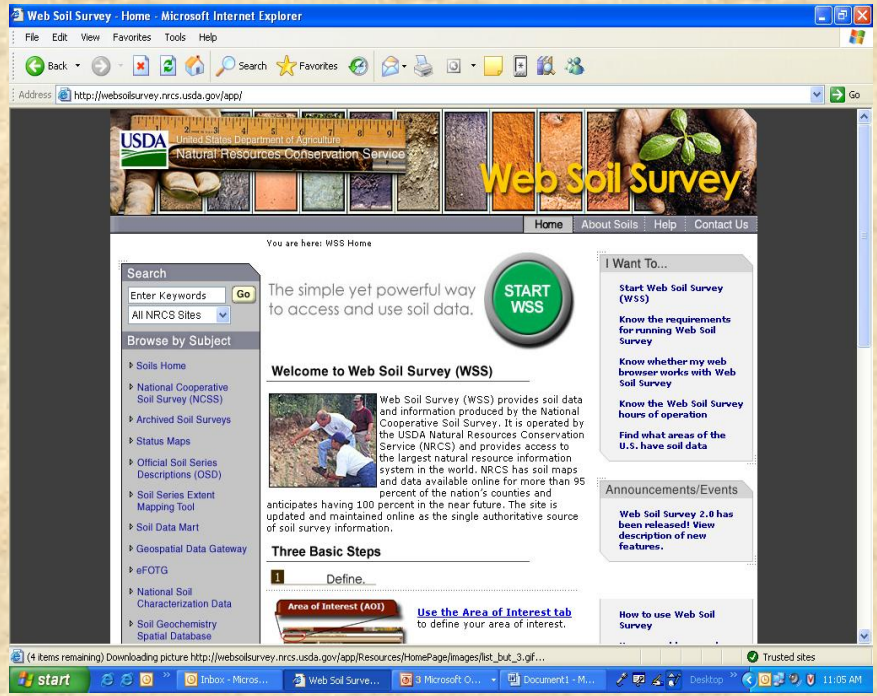
So, How does everything link together?

Soil Data Mart



Ecological Site Information System (ESIS)





Web Soil Survey

Web Soil Survey - Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/ Go

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Home | About Soils | Help | Contact Us

You are here: WSS Home

Search

Enter Keywords Go

All NRCS Sites

Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Soil Data Mart
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Geochemistry Spatial Database

The simple yet powerful way to access and use soil data.

START WSS

Welcome to Web Soil Survey (WSS)

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Three Basic Steps

1 Define.

Use the Area of Interest tab to define your area of interest.

I Want To...

- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey
- Know whether my web browser works with Web Soil Survey
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

Announcements/Events

- Web Soil Survey 2.0 has been released! View description of new features.

I Want Help With...

- How to use Web Soil Survey
- Known problems and

Trusted sites

start Web Soil Survey - Ho... 8:27 AM

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx Go Links Cu

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Logout | Help

A A A

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Shopping Cart

Quick Navigation

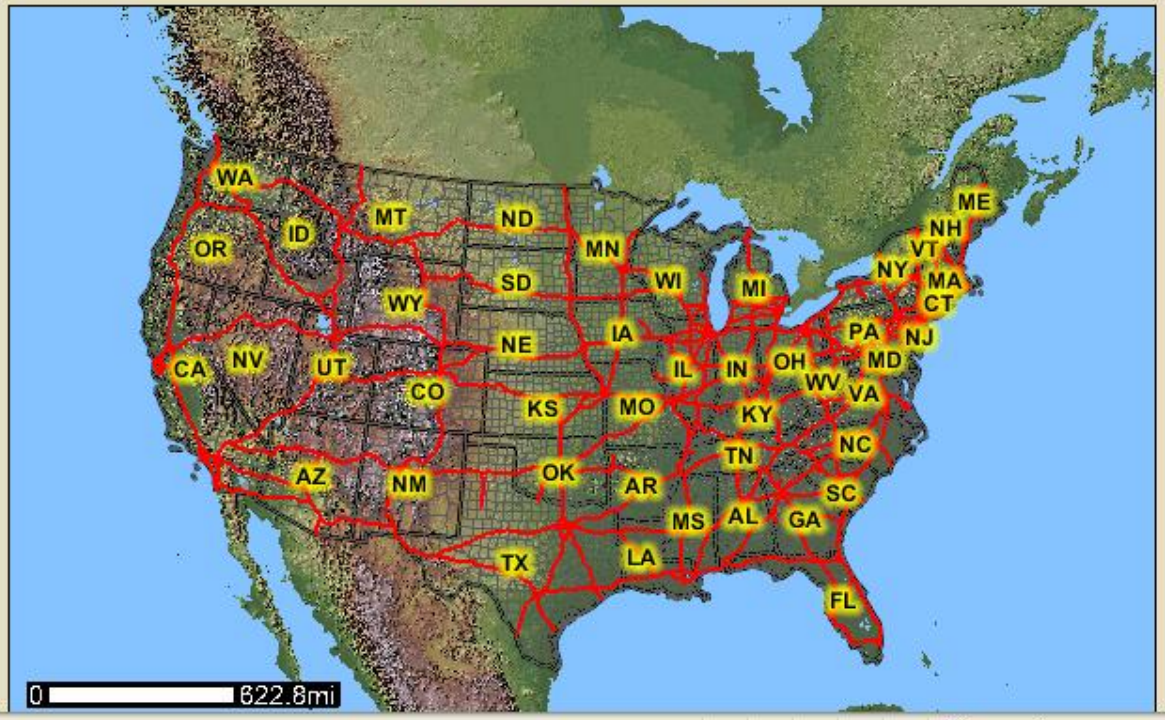
Navigate By...

- Address
- State and County
- Soil Survey Area
- Latitude and Longitude
- PLSS (Section, Township, Range)
- Bureau of Land Management
- Department of Defense
- Forest Service
- National Park Service
- Hydrologic Unit

Area of Interest Interactive Map

Legend

View Extent: Continental U.S. | Scale: 1:26,800,000 | ± 1 %



Done Trusted sites

start Web Soil Survey - Mic... 8:28 AM

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx Go Links Cu

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Logout | Help

A A A

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Shopping Cart

Quick Navigation

Navigate By...

- Address
- **State and County**

View

State: Texas

County (optional): Dallam

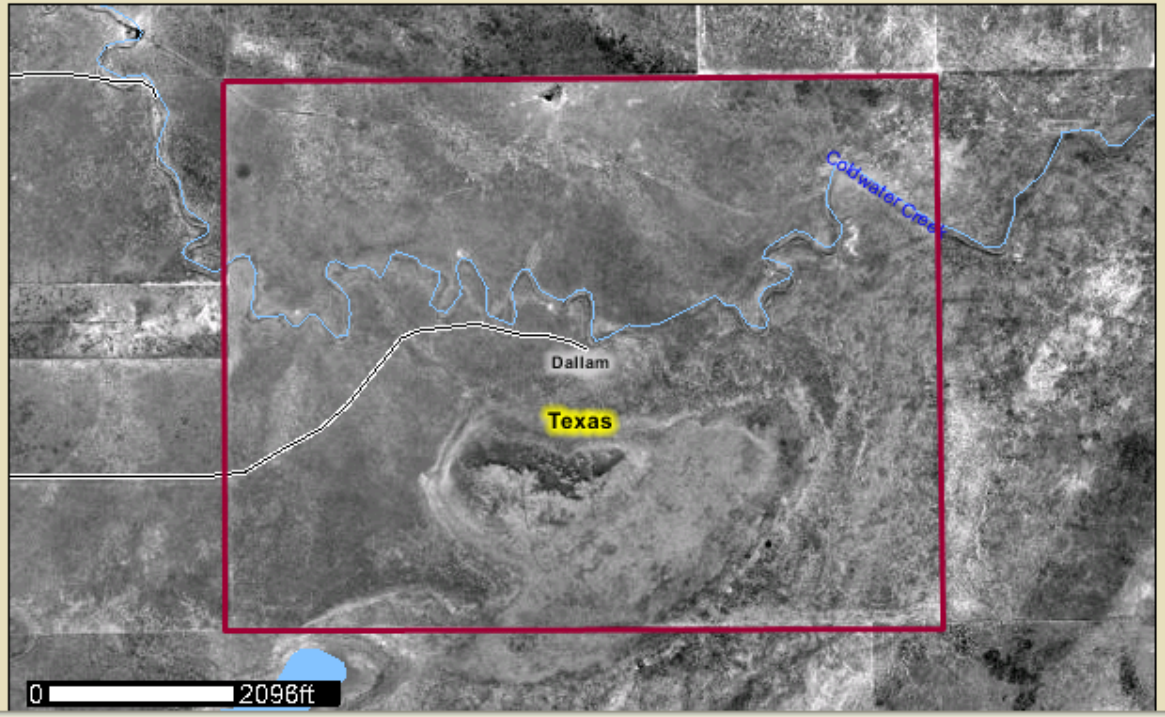
View

- Soil Survey Area
- Latitude and Longitude
- PLSS (Section, Township, Range)
- Bureau of Land Management
- Department of Defense
- Forest Service
- National Park Service
- Hydrologic Unit

Area of Interest Interactive Map

Legend

View Extent: Continental U.S. | Scale: 1:17,100 ± 1 %



Done Trusted sites

start Web Soil Survey - Mic... 8:31 AM

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx Go Links Cu

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Logout | Help

A A A

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Shopping Cart

Printable Version | Add to Shopping Cart

Map Unit Legend

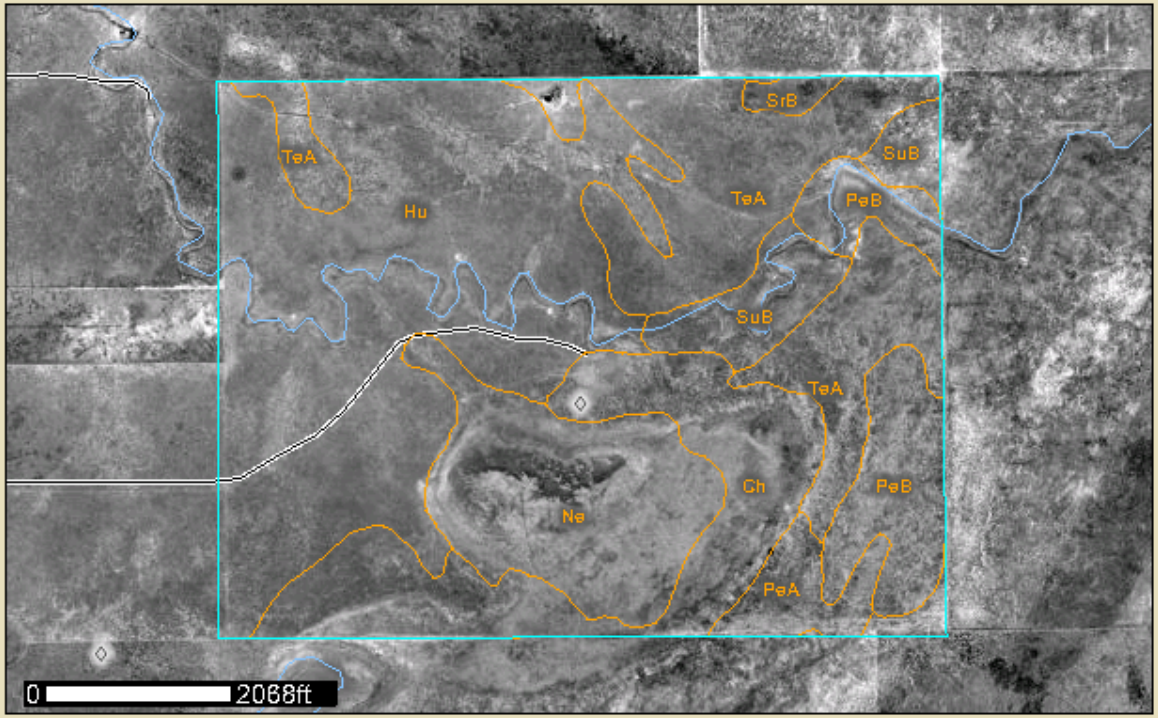
Dallam County, Texas (TX111)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ch	Church soils	159.7	14.2%
Hu	Humbarger loam	427.4	38.0%
Ne	Ness clay	139.5	12.4%
PeA	Perico fine sandy loam, 0 to 1 percent slopes	31.3	2.8%
PeB	Perico fine sandy loam, 1 to 3 percent slopes	86.8	7.7%
SrB	Spurlock soils, hummocky	14.5	1.3%
SuB	Sunray loam, 1 to 3 percent slopes	53.8	4.8%
TeA	Texline loam, 0 to 1 percet slopes	210.4	18.7%
VkE	Valentine-Spurlock complex, 5 to 15 percent slopes	0.3	0.0%
Totals for Area of Interest		**1,123.7**	**100.0%**

Soil Map

Legend

Scale 1:16,900 ± 1 %



Done Trusted sites

start Web Soil Survey - Mic... 8:32 AM

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx Go Links Cu

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Logout | Help

A A A

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Shopping Cart

View Soil Information By Use: Rangeland

Printable Version | Add to Shopping Cart

Intro to Rangeland | Suitabilities and Limitations for Use | Soil Properties and Qualities | Ecological Site Assessment | Soil Reports

Ecological Sites

Open All | Close All

All Ecological Sites

View All Ecological Sites Info

View Options

Dominant Ecological Site Map ☑

Ecological Sites by Map Unit Component Table ☑

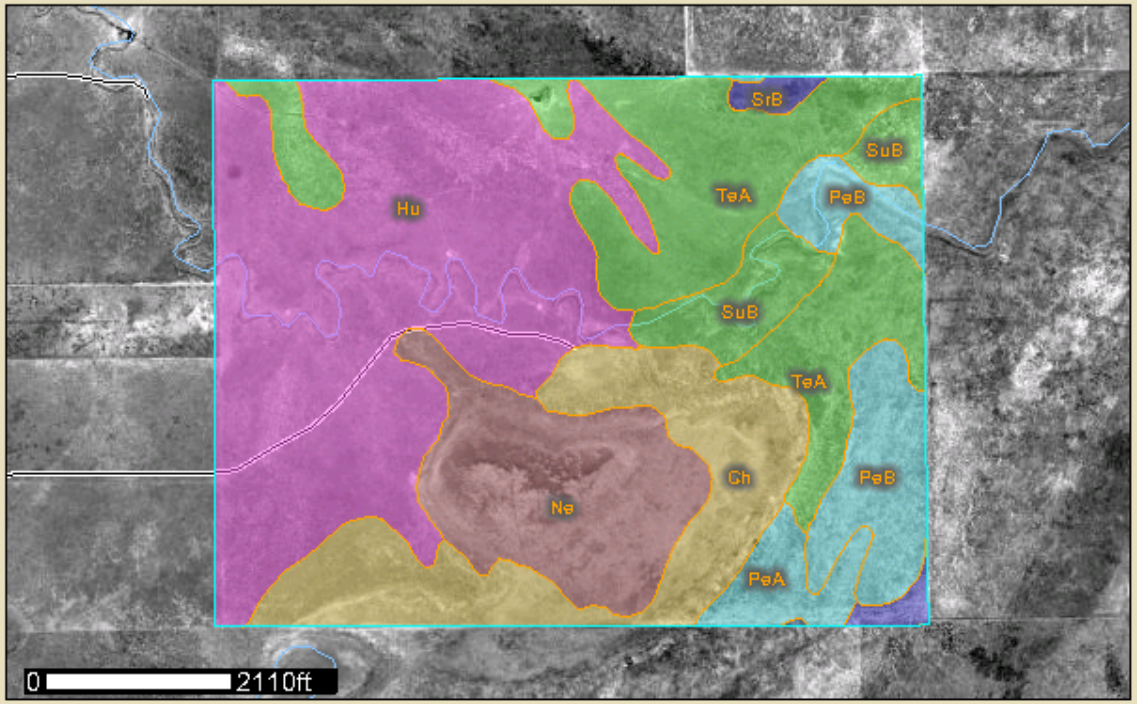
View All Ecological Sites Info

- R077AY005TX — Playa PE 25-36
- R077AY006TX — Limey Upland PE 25-36
- R077AY009TX — MIXEDLAND SLOPES PE 25-36
- R077AY012TX — Sandy Loam PE 25-36
- R077BY011NM — High Lime
- R077BY019TX — MIXEDLAND SLOPES PE 25-36
- R077BY020TX — SAND HILLS PE 25-36
- R077EY058TX — Loamy Bottomland PE 25-36

Legend

Map — Dominant Ecological Site

Scale 1:17,200 ± 1 %



Done Trusted sites

start Web Soil Survey - Mic... TSD 8:33 AM

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx Go Links Cu

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Logout | Help

A A A

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Shopping Cart

View Soil Information By Use: Rangeland

Printable Version | Add to Shopping Cart

Intro to Rangeland | Suitabilities and Limitations for Use | Soil Properties and Qualities | Ecological Site Assessment | Soil Reports

Ecological Sites

Open All | Close All

All Ecological Sites

R077AY005TX — Playa PE 25-36

R077AY006TX — Limey Upland PE 25-36

R077AY009TX — MIXEDLAND SLOPES PE 25-36

R077AY012TX — Sandy Loam PE 25-36

This Ecological Site

View Ecological Site Info

View Options

- All Plant Community Photos
- State Transition Diagram
- Ecological Dynamics Description

View Ecological Site Info

1. Midgrass/Shortgrass/Tallgrass Community
2. Shortgrass/Midgrass/Forb/Shrub Community

All Plant Community Photos — R077AY012TX — Sandy Loam PE 25-36 Ecological Site

1. Midgrass/Shortgrass/Tallgrass Community

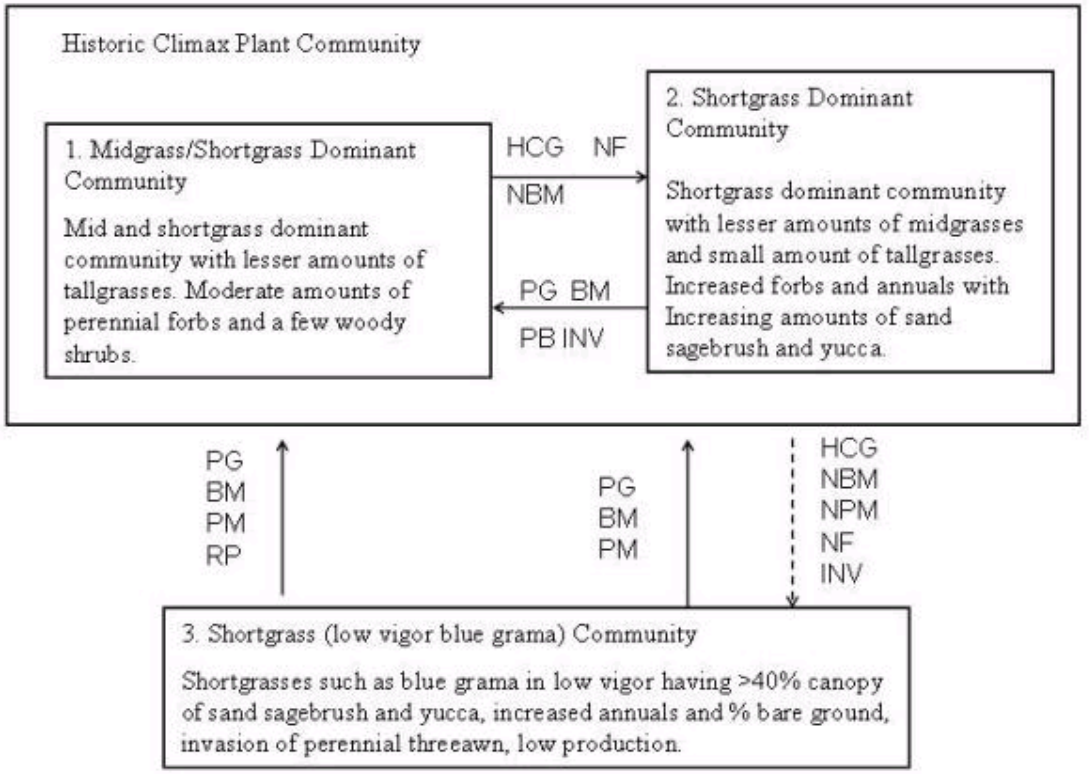
2. Shortgrass/Midgrass/Forb/Shrub Community

Done Trusted sites

start Web Soil Survey - Mic... 8:35 AM

Web Soil Survey - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Go Links Cu

State Transition Diagram



LEGEND

BM	- Brush Management	HCG	- Heavy Continuous Grazing
PB	- Prescribed Burning	HCPC	- Historic Climax Plant Community
PG	- Prescribed Grazing	PM	- Pest Management
INV	- Brush Invasion	RP	- Range Planting
NBM	- No Brush Management	NF	- No Fire

Trusted sites
start Web Soil Survey - Mic... 8:35 AM

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx Go Links Cu

USDA United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Lo | Help

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Shopping Cart

View Soil Information By Use: Rangeland

Printable Version | Add to Shopping Cart

Intro to Rangeland | Suitabilities and Limitations for Use | Soil Properties and Qualities | Ecological Site Assessment | Soil Reports

Ecological Sites

Open All | Close All

All Ecological Sites

R077AY005TX — Playa PE 25-36

R077AY006TX — Limey Upland PE 25-36

R077AY009TX — MIXEDLAND SLOPES PE 25-36

R077AY012TX — Sandy Loam PE 25-36

This Ecological Site

1. Midgrass/Shortgrass/Tallgrass Community

View Plant Community Info

View Options

- Plant Community Photos
- Plant Community Description
- Plant Community Tables
  - Community / Species Composition
  - Annual Production
  - Plant Growth Curve

Plant Community Photos — 1. Midgrass/Shortgrass/Tallgrass Community

1. Midgrass/Shortgrass/Tallgrass Community

Description — 1. Midgrass/Shortgrass/Tallgrass Community

The interpretive plant community for this site is the assumed historic climax plant community. It is a good mixture of midgrasses, shortgrasses and lesser amounts of tallgrasses make up approximately (90%) of the plant community. Midgrasses tend to dominate over most of the site with sideoats grama being the overall dominant species. Little bluestem is the dominant tallgrass and blue grama is the dominant shortgrass. The cool-season grasses include western wheatgrass, Canada wildrye and needle & thread in lesser amounts. There is a good variety of perennial forbs (see Annual Production below) making up (3 — 5%) of the community with sand sagebrush and yucca making up another (3 — 5%) of

Done Trusted sites

start Web Soil Survey - Mic... 8:34 AM

http://websoilsurvey.sc.egov.usda.gov/wssproduct/epslqh45srzsrn45ndhdpg55/GN_00001/Soil_Report. - Microsoft Internet Explorer
File Edit Go To Favorites Help
Back Search Favorites
Address http://websoilsurvey.sc.egov.usda.gov/wssproduct/epslqh45srzsrn45ndhdpg55/GN_00001/Soil_Report.pdf
Go Links Cust
1 / 26 50% Find

USDA United States Department of Agriculture

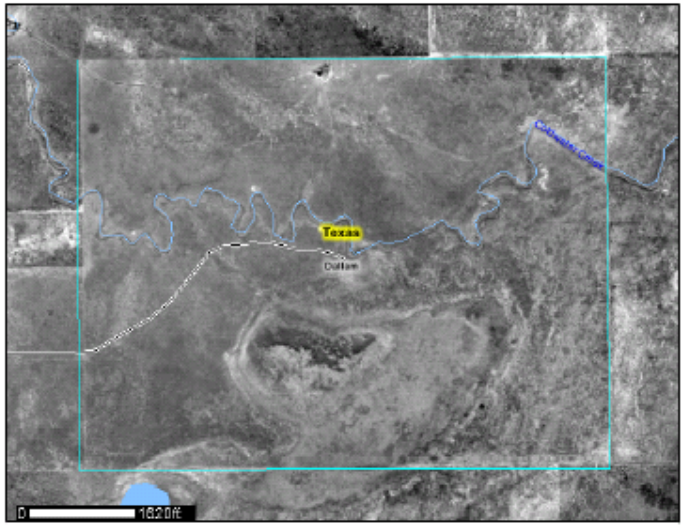
NRCS Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for

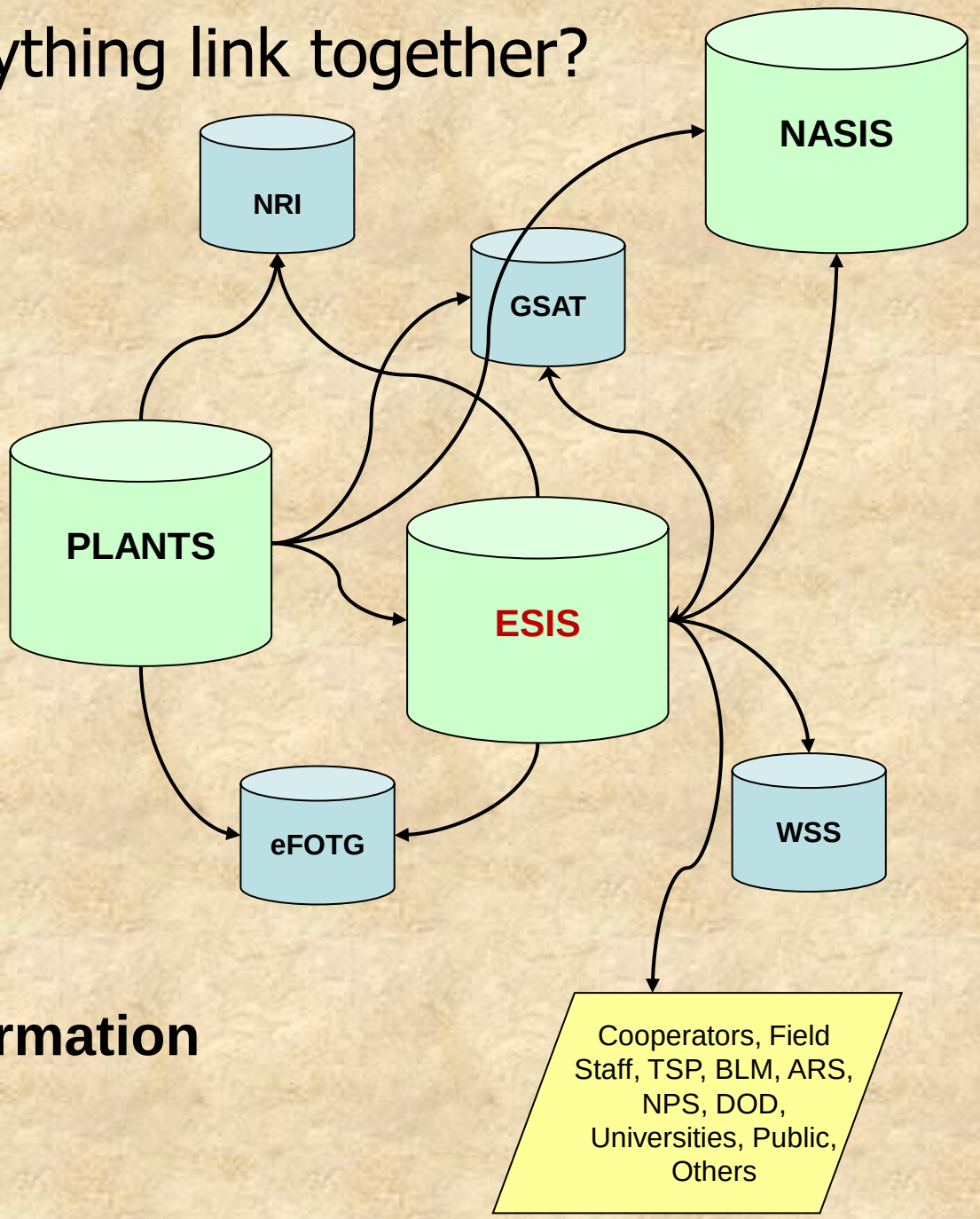
Dallam County, Texas

My Place



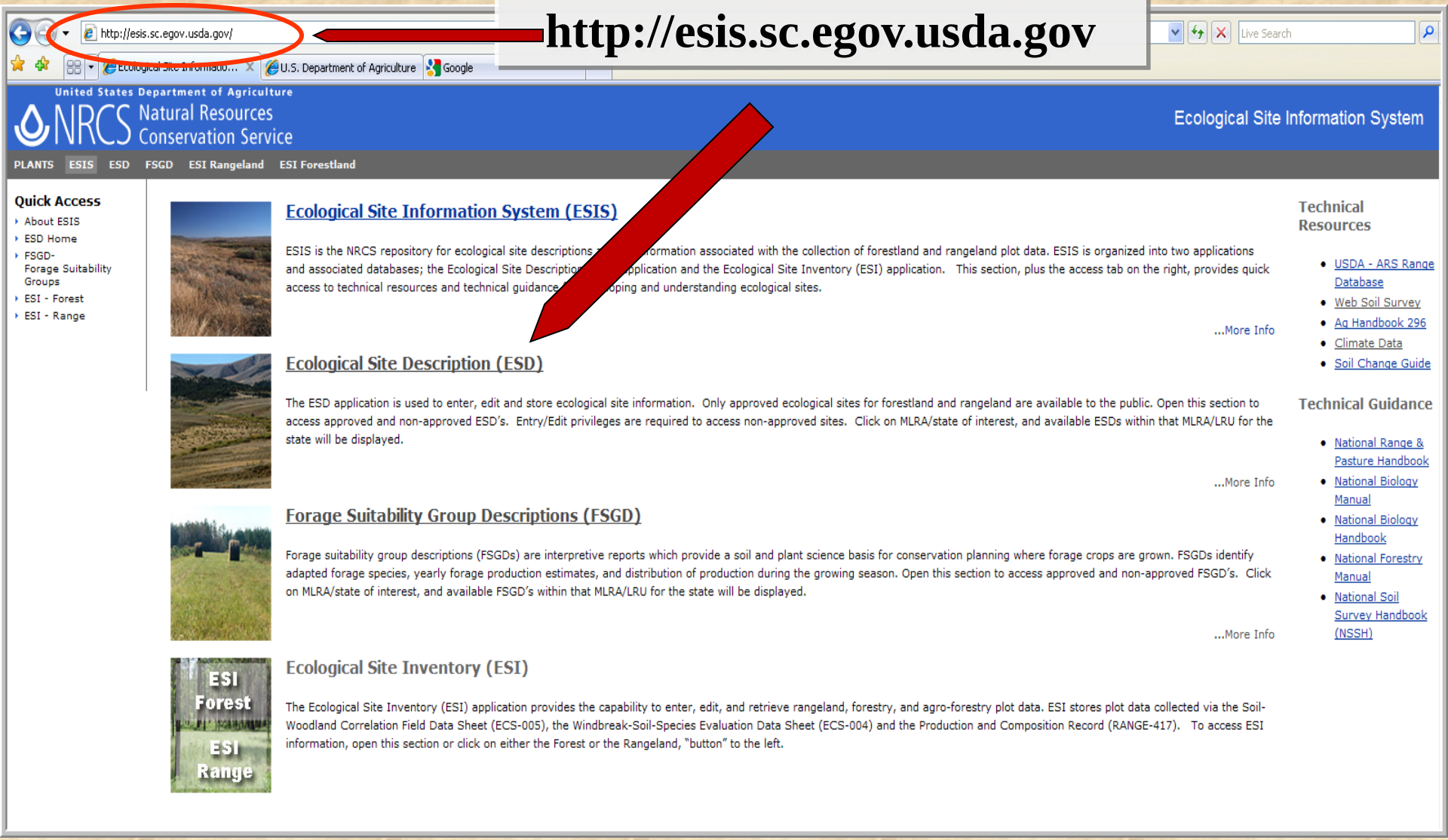
Done
Unknown Zone
start Web Soil Survey - Mic... http://websoilsurvey.... 8:39 AM

So, How does everything link together?



Ecological Site Information (ESIS) Flow Chart

ESIS- ESD
Ecological Site Description



Reports
> Approved ESD Reports
> Approved Reference Sheets

Data Access
> Data Edit/Entry, Download, Reports
> GSAT Downloads

Welcome to the Ecological Site Description (ESD) System for Rangeland and Forestland

The Ecological Site Description (ESD) application provides the capability to enter, edit, and view reports of rangeland and forest land ecological site descriptions. Anyone may view reports of approved Ecological Site Descriptions. Data entry, edit, download, and viewing draft reports is for authorized users only.

ESIS User Guide

For questions about this database as a whole, contact:

Rangeland:

Homer Sanchez
Rangeland Management Specialist
National Grazing Lands Team
Central National Technology Support Center
Fort Worth, Texas
Phone: 817-509-3227
Fax: 817-509-3336

Forestland:

Ray Stoner
Forester
Central National Technology Support Center
Fort Worth, Texas
Phone: 817-509-3215
Fax: 817-509-3336

For questions pertaining to an individual state's data, contact:
NRCS State Range Specialist or Forester for that state.

Please address all comments and suggestions about the contents of this Web page to homer.sanchez@ftw.usda.gov

If you are having problems with this Web page, please let us know at plantswebmaster@plants.usda.gov

Updated May 10, 2010

Reports
> Approved ESD Reports
> Approved Reference Sheets

Data Access
> Data Edit/Entry, Download, Reports
> GSAT Downloads

Welcome to the Ecological Site Description (ESD) System for Rangeland and Forestland Data

Anyone may view reports of approved Ecological Site Descriptions. To view the various reports select a State or MLRA or both and Submit. From the subsequent list, select the ESD you wish to view.

Major Land Resource Areas (MLRA) are a portion of the spatial framework utilized by the Natural Resources Conservation Service in the planning, design, implementation, and evaluation of natural resource management activities. MLRA boundaries reflect nearly homogenous areas of landuse, elevation, topography, climate, water resources, potential vegetation, and soils.

If you need assistance in locating the MLRA, click on the MLRA Explorer link below The MLRA Explorer is an interactive map-based application of USDA Agriculture Handbook 296. With the tools in this application, you can:
(1) search for your MLRA by entering your State and County;
(2) search for LRRs and MLRAs using a variety of geographical and textual queries.

MLRA Information

MLRA Explorer

State None Selected **MLRA** None Selected

Submit

NRCS Major Land Resource Areas Explorer

MLRA Explorer

NRCS Natural Resources Conservation Service

MLRA Selection Method

Interactive | LRR/MLRA | State/County | Fed. Lands | Ecoregion | HUC-8 | PLSS

U - Florida Subtropical Fruit, Truck Crop, and Range Region

154 - South-Central Florida Ridge

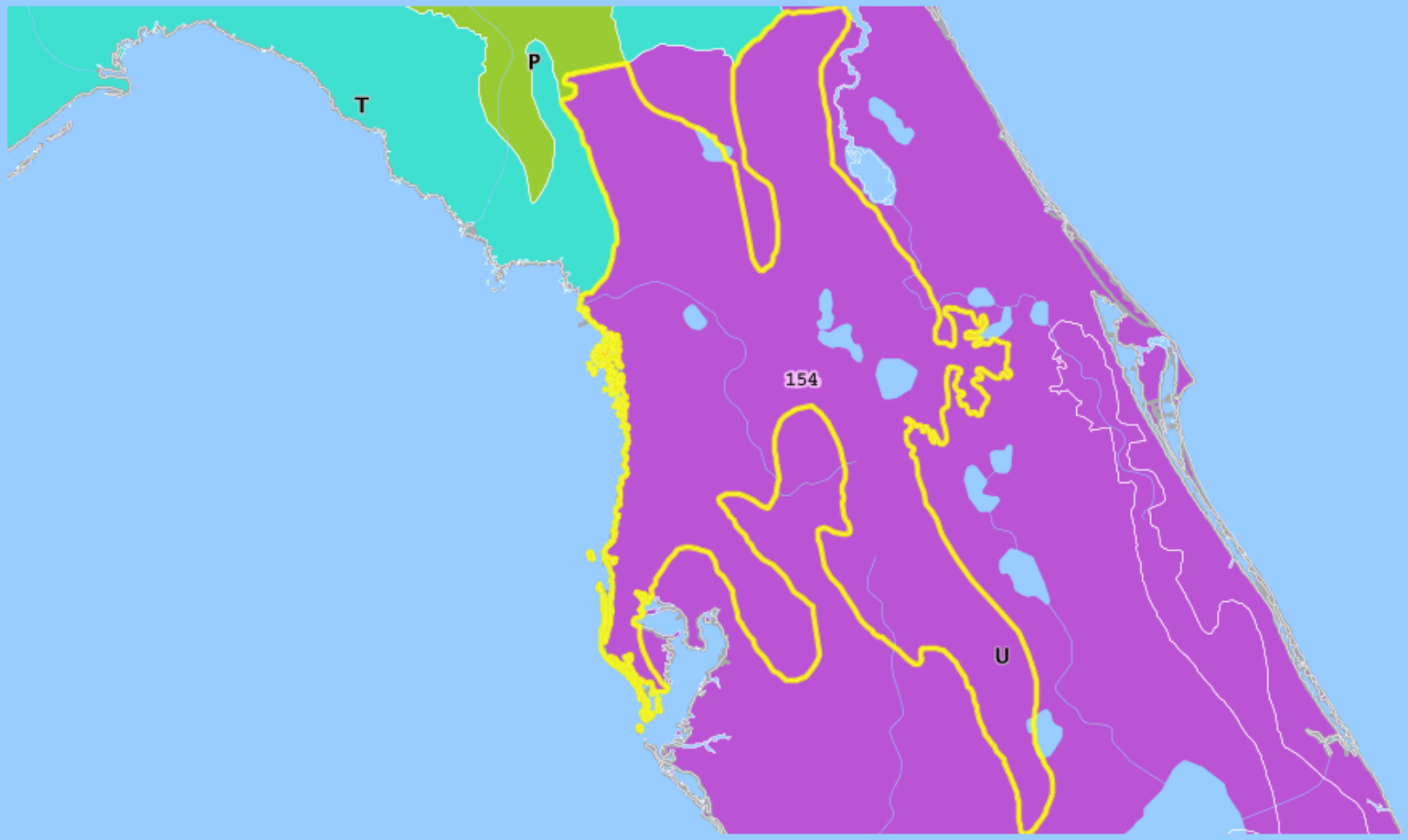
Select MLRAs

Layers | Clear Map | Legend | Continental U.S.

MLRA Report Components

- [x] Check/Clear All
- [x] Physiography
- [x] Climate
- [x] Geology
- [x] Water
- [x] Biology
- [x] Soils
- [x] Land Use
- [ ] LRR Overview

Create report



1 selected MLRA: 154

PENNSTATE CEI

MLRA 154 - South-Central Florida Ridge

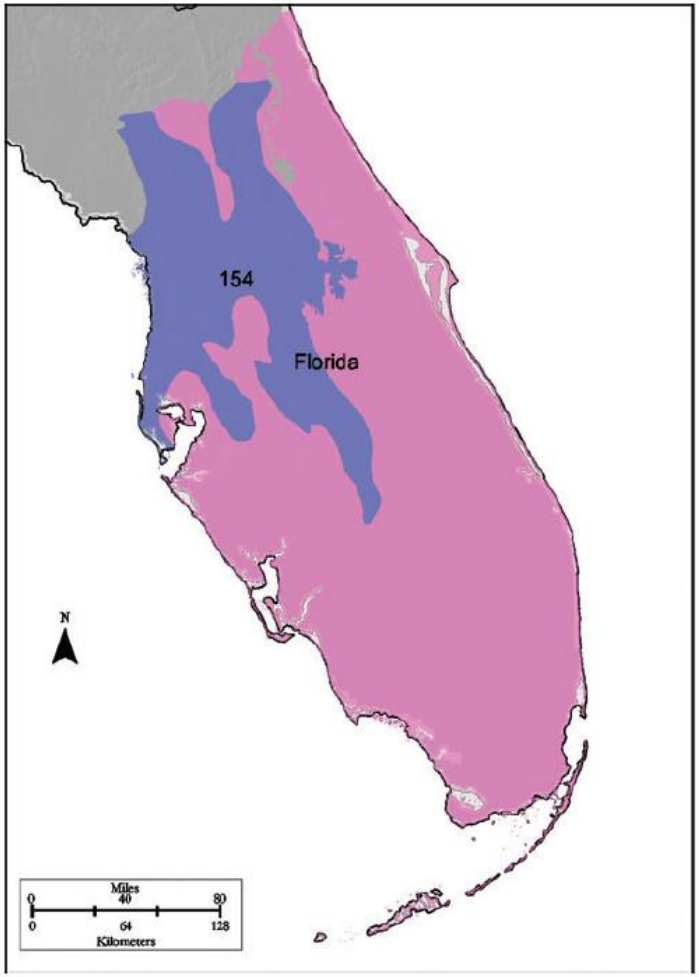


Figure 154-1: Location of MLRA 154 in Land Resource Region U

Introduction

This area is entirely in Florida (fig. 154-1). It makes up about 8,285 square miles (21,470 square kilometers). Parts of the east side of the city of Tampa Bay and the west half of Orlando are in this area. Interstate 75 parallels the north-south axis of the northern half of this MLRA, and Interstate 4 crosses the southern tip. The Ocala National Forest and the Withlacoochee State Forest are in this area.

Ecological Site Description Selection

Select a site to view Report

ID	Type	MLRA	Site Name	Biotic Name
R077DY038TX	R	077D	Clay Loam 12-17" PZ	
R077DY039TX	R	077D	Draw 12-17" PZ	
R077DY040TX	R	077D	High Lime 12-17" PZ	
R077DY041TX	R	077D	Lakebed 12-17" PZ	
R077DY042TX	R	077D	Limy Upland 12-17" PZ	
R077DY045TX	R	077D	Sand Hills 12-17" PZ	
R077DY046TX	R	077D	Sandy 12-17" PZ	
R077DY047TX	R	077D	Sandy Loam 12-17" PZ	
R077DY048TX	R	077D	Shallow 12-17" PZ	
R077DY049TX	R	077D	Very Shallow 12-17" PZ	
R077DY591TX	R	077D	Gyp 12-17" PZ	

For questions about this database as a whole, contact:

Rangeland:

Homer Sanchez
Rangeland Management Specialist
National Grazing Lands Team
Central National Technology Support Center
Fort Worth, Texas
Phone: 817-509-3227

Forestland:

Ray Stoner
Forester

Central National Technology Support Center
Fort Worth, Texas
Phone: 817-509-3215

What does an ESD Look Like?

Ecological Site Description System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Links

Address http://esis.sc.egov.usda.gov/esis_report/fsReport.aspx?approved=yes&id=R077AY001TX Go

United States Department of Agriculture
NRCS Natural Resources Conservation Service

Ecological Site Description

Plants | ESIS | ESD | ESI Forestland | ESI Rangeland

Report Selections

- General
- > Physiographic Features
- > Climate Features
- > Water Features
- > Soil Features
- > Plant Communities
- > Site Interpretations
- > Supporting Information
- > Complete Report
- > HTML Printable Format

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

ECOLOGICAL SITE DESCRIPTION

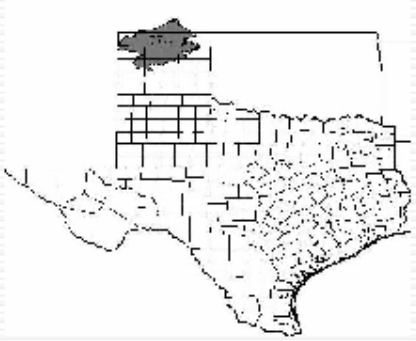
ECOLOGICAL SITE CHARACTERISTICS

Site Type: Rangeland

Site Name: Deep Hardland PE 25-36

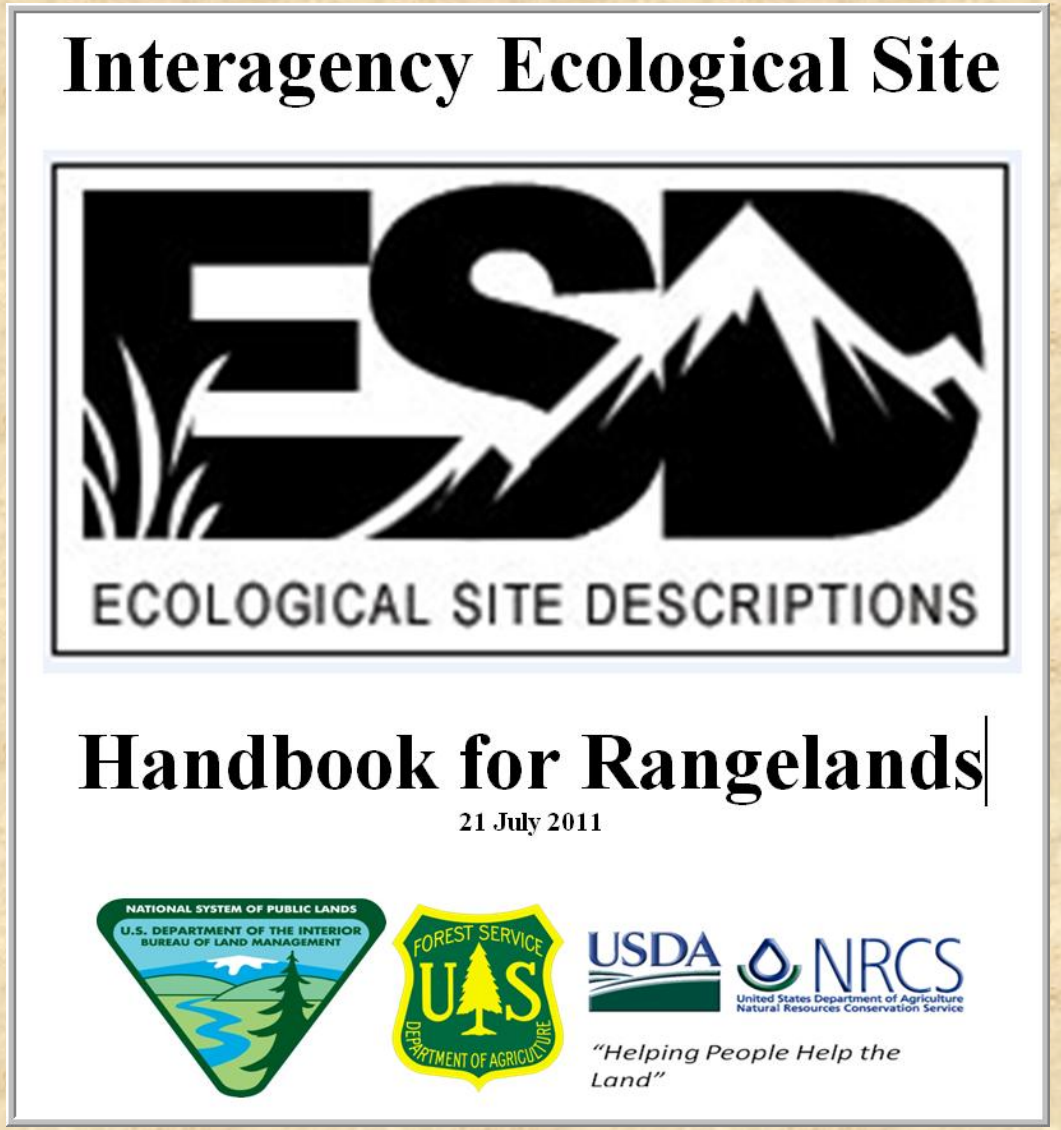
Site ID: R077AY001TX

Major Land Resource Area: 077A - Southern High Plains, Northern Part



WHY ESDs?

Draft



Landscapes are Divided Into Ecological Sites for the Purposes of :

- Inventory
- Evaluation
- Management

Potential Uses for ESDs

- Standard reference for natural resource information for alll federal agencies and other interested groups/organizations

- Training tool and information source

- Tool to assess lands for potentiall values or resource specific concerns
  - wildlife habitat
  - carbon sinks
  - vulnerability to loss or degradation
  - Site restoration

- Tool to prioritize and target limited program dollars

Questions, Comments, ..Thank you

- The Web Soil Survey: http://websoilsurvey.nrcs.usda.gov/app/
- The Ecological Site Information System (ESIS): http://esis.sc.egov.usda.gov/