



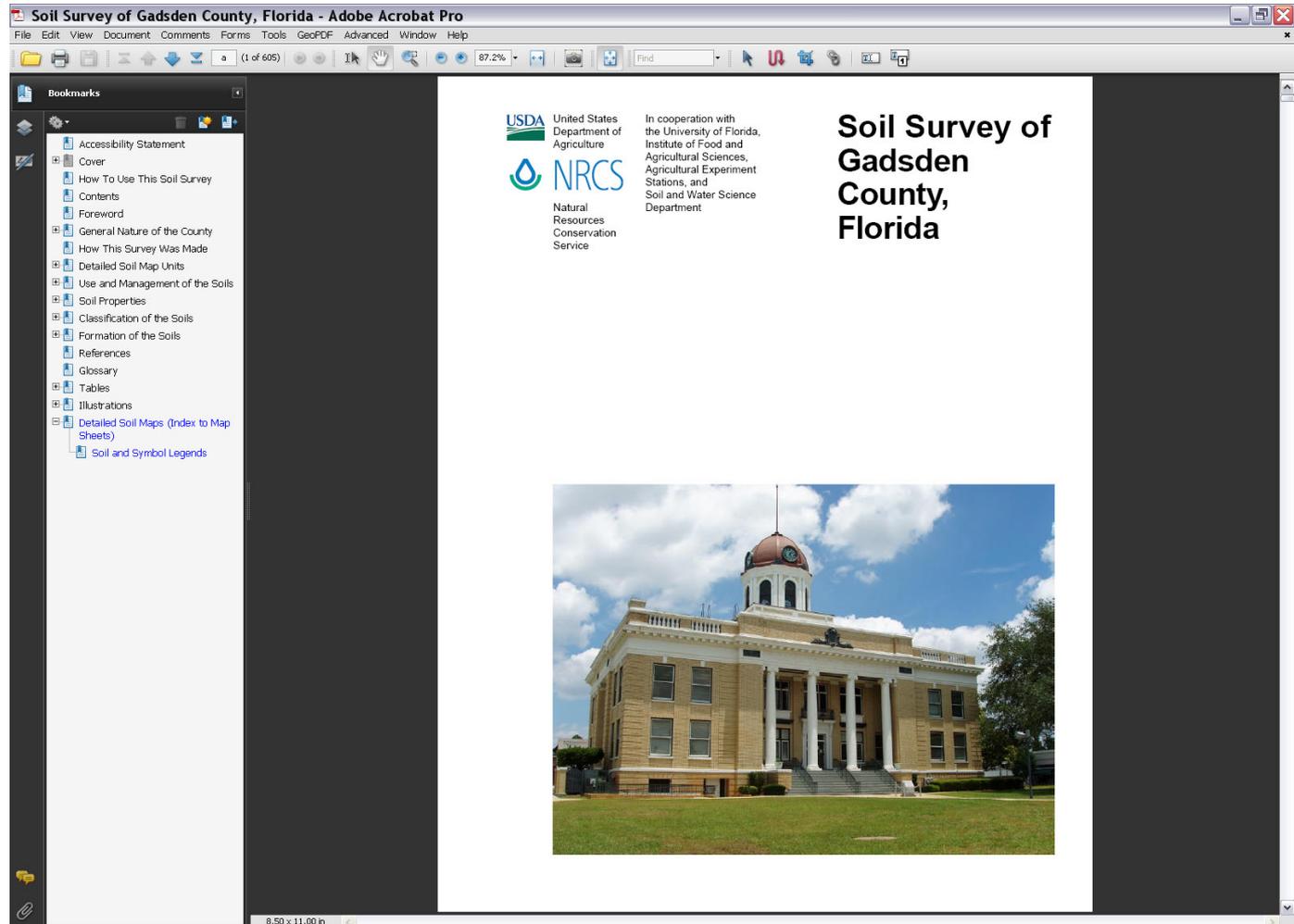
# Bringing Content Management to Soil Survey

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# Evolution of Public Delivery of Soil Information



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Web Soil Survey - Microsoft Internet Explorer

Address: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

USDA United States Department of Agriculture  
Natural Resources Conservation Service

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

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

View Soil Information By Use: All Uses Printable Version | Add to Shopping Cart

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

**Search**

**Properties and Qualities Ratings**

Open All | Close All

- Soil Chemical Properties
- Soil Erosion Factors
- Soil Physical Properties**

Available Water Capacity

Available Water Supply, 0 to 100 cm

Available Water Supply, 0 to 150 cm

Available Water Supply, 0 to 25 cm

Available Water Supply, 0 to 50 cm

Bulk Density, 15 Bar

Bulk Density, One-Tenth Bar

Bulk Density, One-Third Bar

Linear Extensibility

Liquid Limit

Organic Matter

**Percent Clay**

View Description | View Rating

**View Options**

Map

Table

Description of Rating

Rating Options  Detailed Description

**Advanced Options**

Aggregation Method: Dominant Component

Component Percent Cutoff:

Tie-break Rule:  Lower  Higher

Interpret Nulls as Zero:  Yes  No

**Map - Percent Clay**

Scale: (not to scale)

Tables - Percent Clay - Summary By Map Unit

Done Trusted sites

# Disclaimers

- The planning for the Content Management System (CMS) is detailed and thoughtful but is certain to be modified due to budget considerations, IT factors, and input from Leadership and others.
- Large IT projects are iterative processes—we will get pieces of the CMS over time.
- The draft requirements statement for the CMS was over 100 pages and ended up being split into three parts. This presentation is a vast simplification.

# Content Management System— *From the Draft Requirements Statements*

- “Ability to develop and publish narrative manuscript information (formatted text) and images (photographs, block diagrams, and other graphics) to Soil Data Mart (SDM) as official soil survey data for delivery via the SDM Web application, Web Soil Survey (WSS), and Soil Data Access (SDA).”
- “Ability to store, manage, and publish images (photographs, block diagrams, and other graphics) in a Soil Survey Division (SSD) enterprise image library for delivery via a SSD image gallery, other Web and client applications, and printed documents.”
- “Ability to store, manage, and publish open-file reports, soil survey manuscripts, and other documents for delivery via public, Web-based applications.”

# What is the CMS? (Imprecisely)

- It will be a “database” for text, images, and documents.
- It will store and manage the content; i.e., control access, versioning, and scheduling.
- It will make content available for delivery via Web sites, including the Web Soil Survey, Soil Data Mart, an image gallery, and a searchable document site.



Content

Stored

Managed

Delivered



**Content**

**Stored**

**Managed**

**Delivered**

**Text**

Authored  
Modular  
Tagged

**Imagery**

Photos  
Block  
diagrams  
Documented  
JPG, TIFF

**Documents**

PDF, Word,  
Excel, etc.

**Content**

**Text**

Authored  
Modular  
Tagged

**Imagery**

Photos  
Block  
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Documented  
JPG, TIFF

**Documents**

PDF, Word,  
Excel, etc.

**Stored**

**Associated**

with other  
elements

**Indexed**

for search  
and retrieval

**Managed**

**Delivered**

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**Managed**

**Access**

**Versioning**

**Scheduling**

**Notifications**

**Life Cycle**

**Delivered**

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**Life Cycle**

**Delivered**

**WSS**

**SDM**

**Image  
gallery**

**Web pages**



# Forward Thinking

After the Once-Over;

Before the Content Management System



# Preparing for the CMS

- Review your current content.
  - Web sites
  - Previous publications
- Decide what you want to deliver.
  - Update established content
  - Prepare new content
- Ready your content for delivery.
  - Technical review
  - English edit



# Content: Imagery

- Soil profiles
- Block diagrams
- Landscape photos
- Indexing information, such as location, caption, & date
- Specifications will be available on the editors' SharePoint site.



# Content: Text

- Descriptions of: the use and management of the soils; the location of the soils on the landscape; the available lab data; the formation of the soils; the relationships between soils and geology; and the climate, land uses, and cultural practices affecting the soil
- Specific information regarding how a soil was surveyed; for example, descriptions of the use of ground-penetrating radar
- General soil map unit descriptions
- Management statements for detailed map unit descriptions
- Credit lines for cooperators
- Nonstandard tables



# Content: Documents

- Open-file reports
  - Evaluations of benchmark soils
  - Special studies, such as those of soil texture, temperature, and moisture
  - Carbon sequestration
  - Dynamic soil properties
  - Subaqueous soils
  - Applications of new technology to soil survey
- Manuscripts
  - Once-over, Forest Service, Park Service, BLM, extensive-revision, historical replicas
- MLRA SSO management documents



# Editorial Assistance



# Availability

- As always, contact your MO first.
- Several MO leaders have agreed to allow their editors to work on materials from outside their MO.
- The work will be coordinated through the NSSC.
- Stan Anderson is the contact at the NSSC.

# Scope

- Several levels of assistance are available, ranging from a quick review for legal requirements to a complete edit of writing, imagery, organization, and format.
- Assistance is available for:
  - Traditional editorial work
  - Unedited materials currently available online
  - Materials prepared in anticipation of the CMS

# Traditional Editorial Assistance

- Once-over surveys
- Extensive-revision surveys
- Forest Service surveys
- Park Service surveys
- Surveys of military bases
- Historical replicas



# Web Clean-Up

- Thousands of pages of unedited materials are available online to the public.
- We now have an opportunity to review the higher priority items.
- Unedited materials include ecological site descriptions, OSDs, and nontechnical descriptions.



# Discussion

- What information do we want to deliver?