

Soil Survey Status & Issues on Public Lands – BLM Report

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A stylized silhouette of a mountain range in shades of teal, located in the bottom right corner of the slide.

BLM Management Priorities - energy

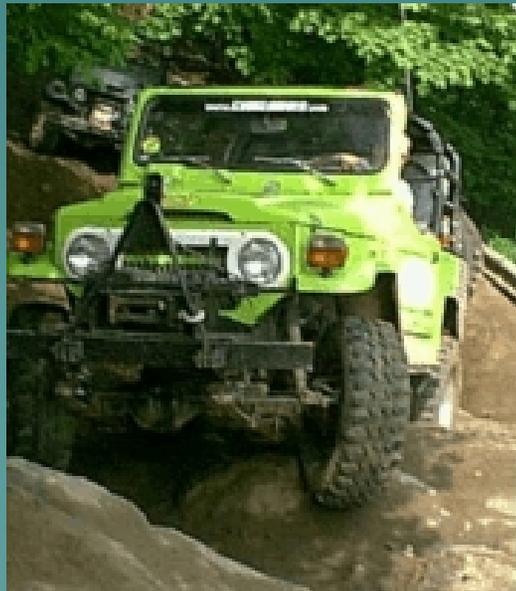


Healthy Lands Initiative

- ◆ Landscape scale approach to restoration of habitat, weed management, and riparian area improvement
- ◆ Requesting \$15 million for work in NM, WY, UT, OR/ID/NV, S ID, & CO

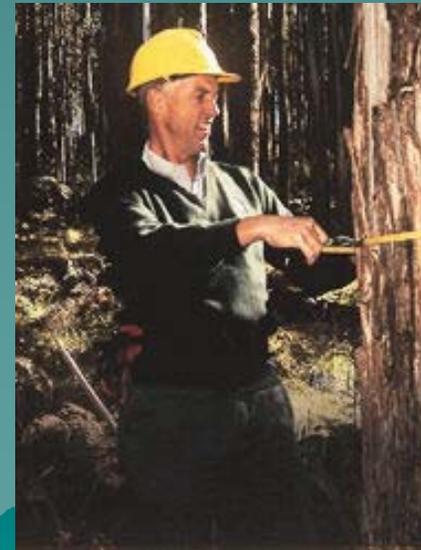


Other Management Priorities



BLM AIM Strategy

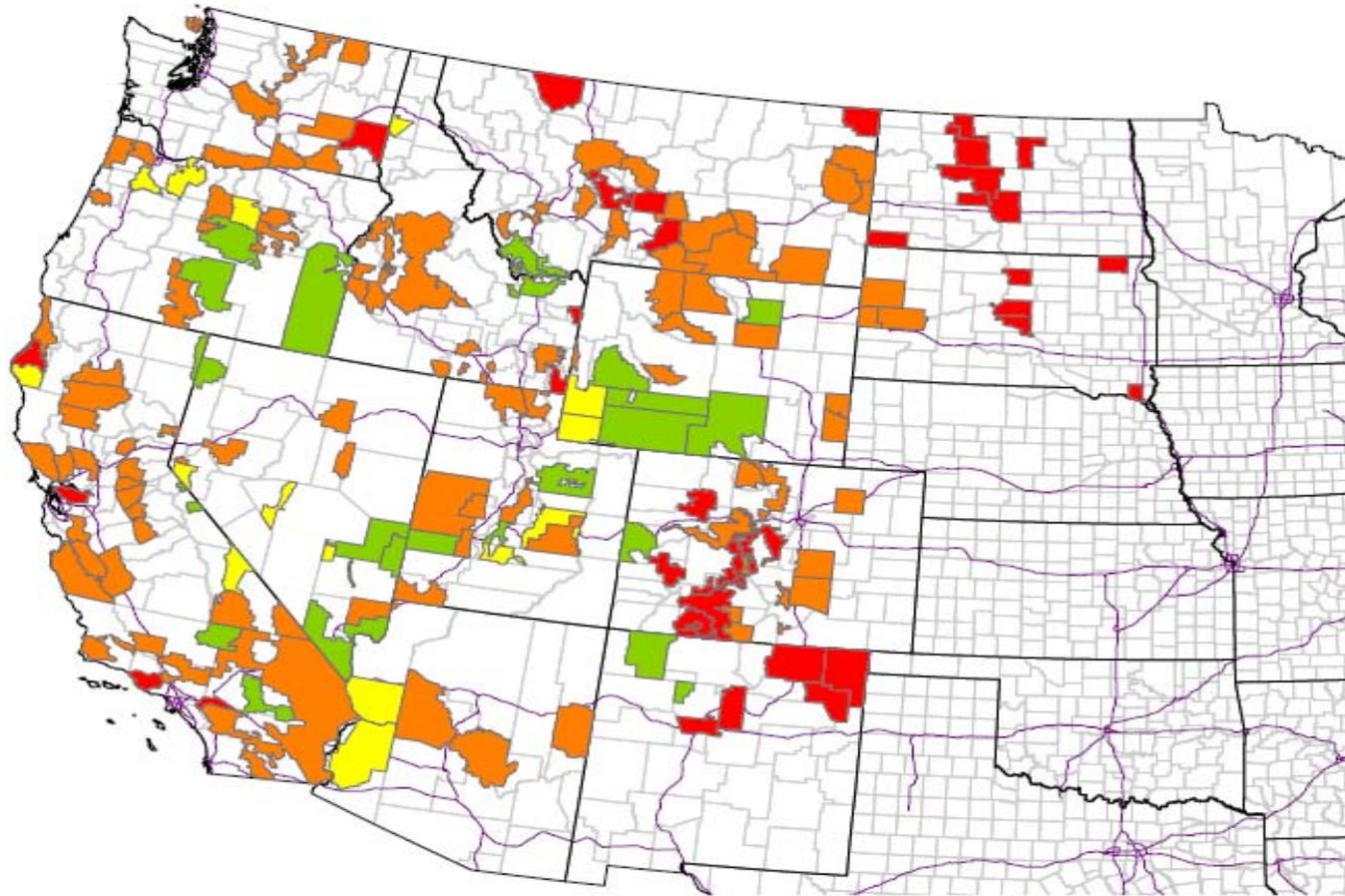
- ◆ Develop strategy to provide monitoring data at the local, regional and national scales
- ◆ National scale pilot project in central Oregon using NRI and FIA



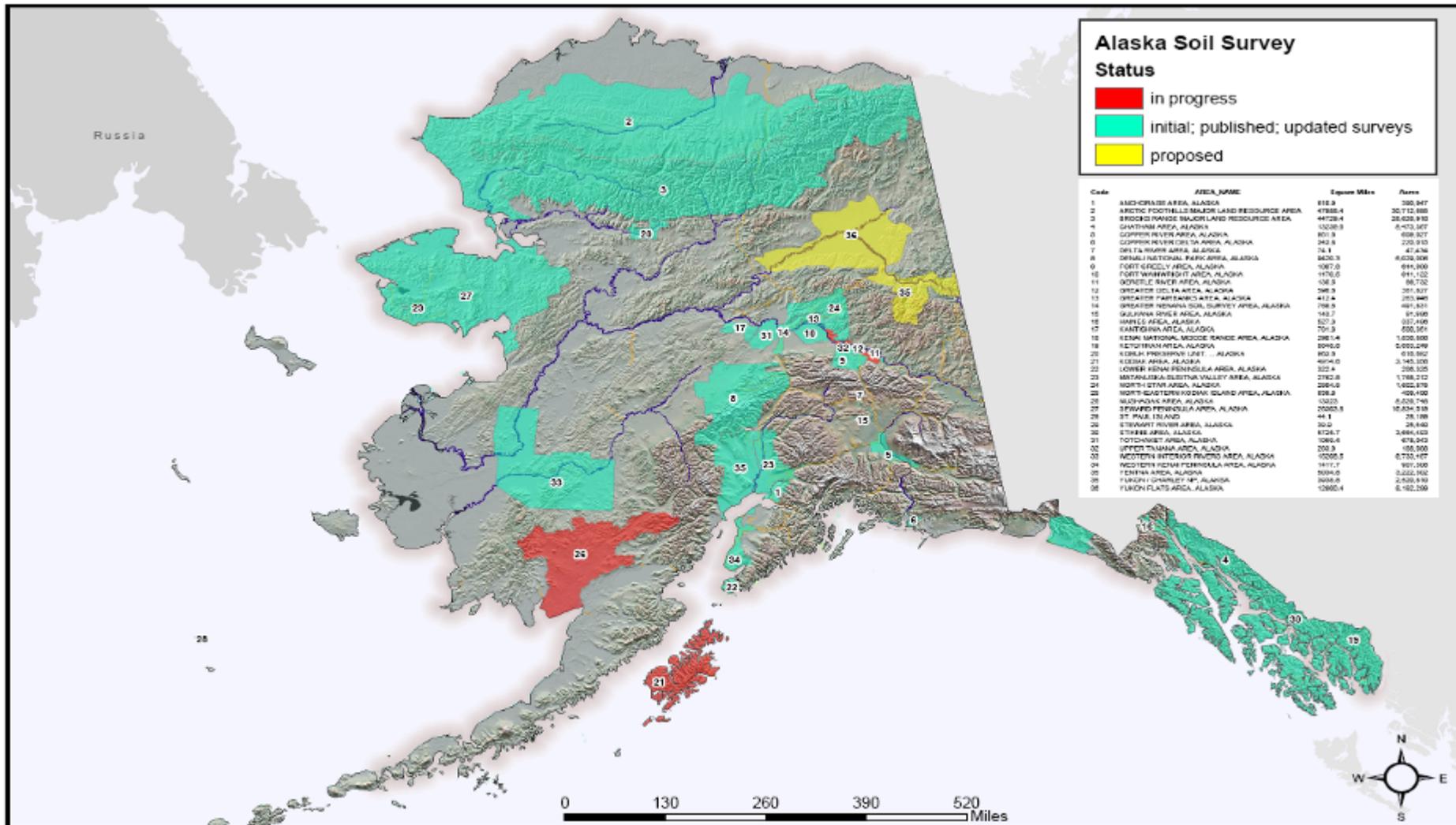
MOUs

- ◆ BLM/NRCS MOU needs to be updated
- ◆ Regional MOUs need to be drafted, reviewed by BLM and signed
- ◆ States will be signing Regional MOUs for BLM

BLM Soil Survey Needs



Alaska Soil Survey Needs



STATE	BLM ACRES	PHASE 1 ACRES NEED SOIL SURVEY	PHASE 2 ACRES NEED SOIL SURVEY	PHASE 3 ACRES NEED SOIL SURVEY	TOTAL ACRES NEED SOIL SURVEY
Alaska	85,553,000	0	13,271,000	0	13,271,000
Arizona	12,230,000	2,433,000	0	1,084,000	3,517,000
California	15,208,000	3,156,000	5,549,000	522,000	9,227,000
Colorado	8,363,000	35,000	431,000	523,000	989,000
Idaho	11,995,000	0	0	233,000	233,000
Montana	7,959,000	271,000	0	804,000	1,075,000
Nevada	47,848,000	711,000	934,000	1,760,000	3,405,000
New Mexico	13,372,000	1,184,000	0	3,978,000	5,162,000
North Dakota	59,000	0	0	0	0
Oregon	16,135,000	4,881,000	513,000	248,000	5,642,000
South Dakota	274,000	0	0	170,000	170,000
Utah	22,869,000	386,000	1,458,000	5,941,000	7,785,000
Washington	403,000	0	0	99,000	99,000
Wyoming	18,363,000	4,346,000	868,000	1,923,000	7,137,000
Total	260,631,000	17,403,000	23,024,000	17,285,000	57,712,000

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
- ▶ Soil Quality
- ▶ Soil Geography
- ▶ Geospatial One Stop

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.



Mouseover to enlarge image.

[Use the Area of Interest tab](#) to define your area of interest.

2 View/Explore.



[Click the Soil Map tab](#) to view or print a soil map, or click the [Soil Data Explorer tab](#) to access soil data for your area and determine the suitability of the soils for a particular use. The items you want saved in a report

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.](#)

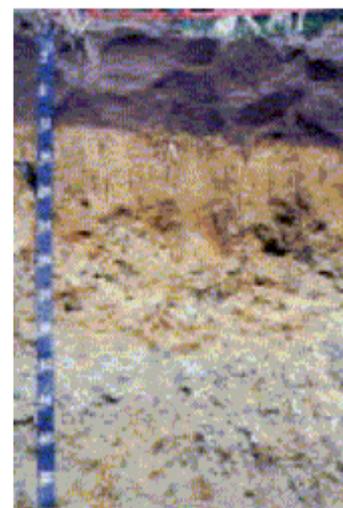
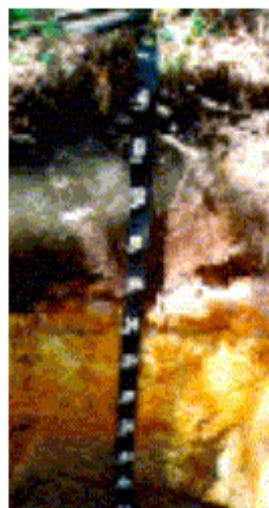
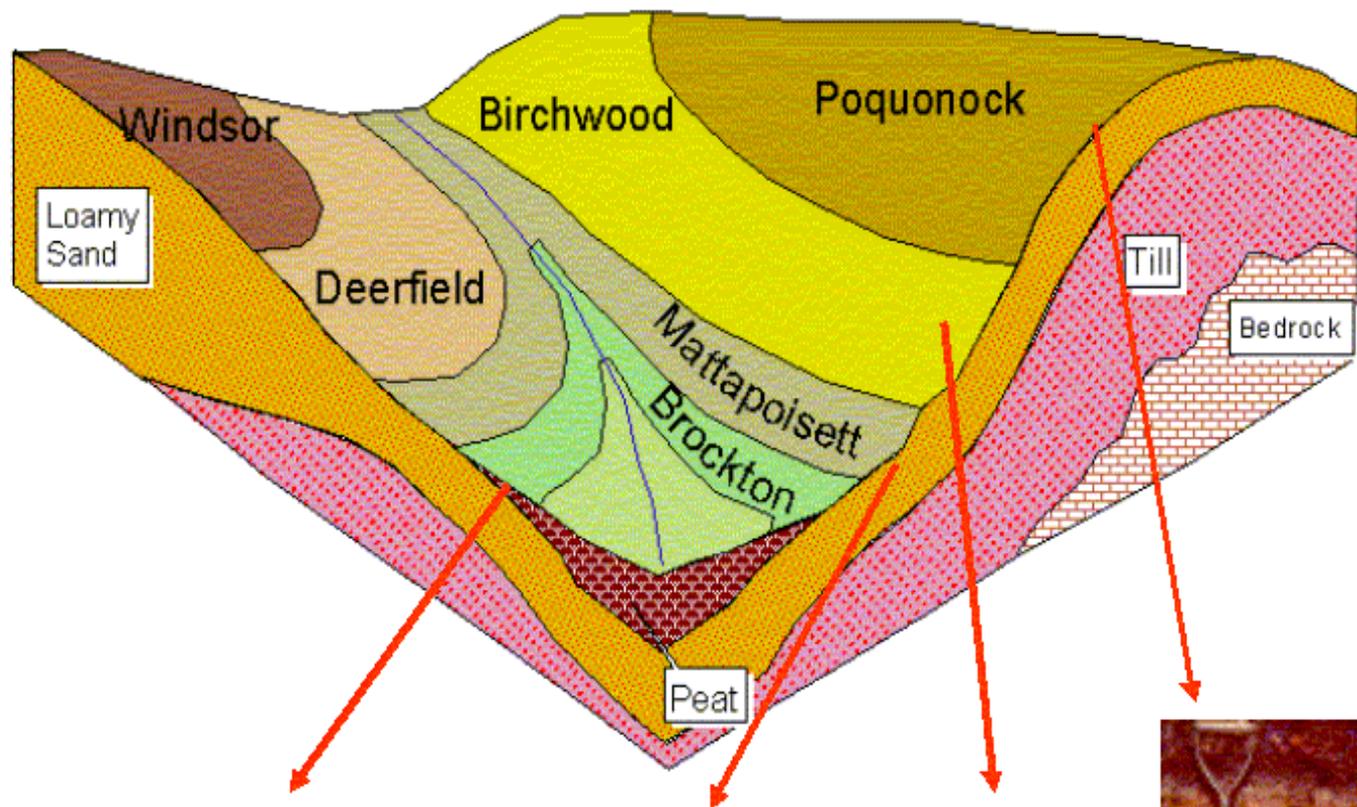
I Want Help With...

- [How to use Web Soil Survey](#)
- [Known problems and workarounds](#)
- [Frequently Asked Questions](#)
- [Citing Web Soil Survey as a source of soils data](#)



Soil/Geology

- Bedrock
- Birchwood
- Brockton
- Deerfield
- Mattapoissett
- Poquonock
- Solum
- Swansea
- Till
- Windsor
- peat



Data Access

- ◆ Customers need the ability to access point data
- ◆ Pedon data could be made available on the web or through ftp site
- ◆ If possible it should be made available in a geospatial format

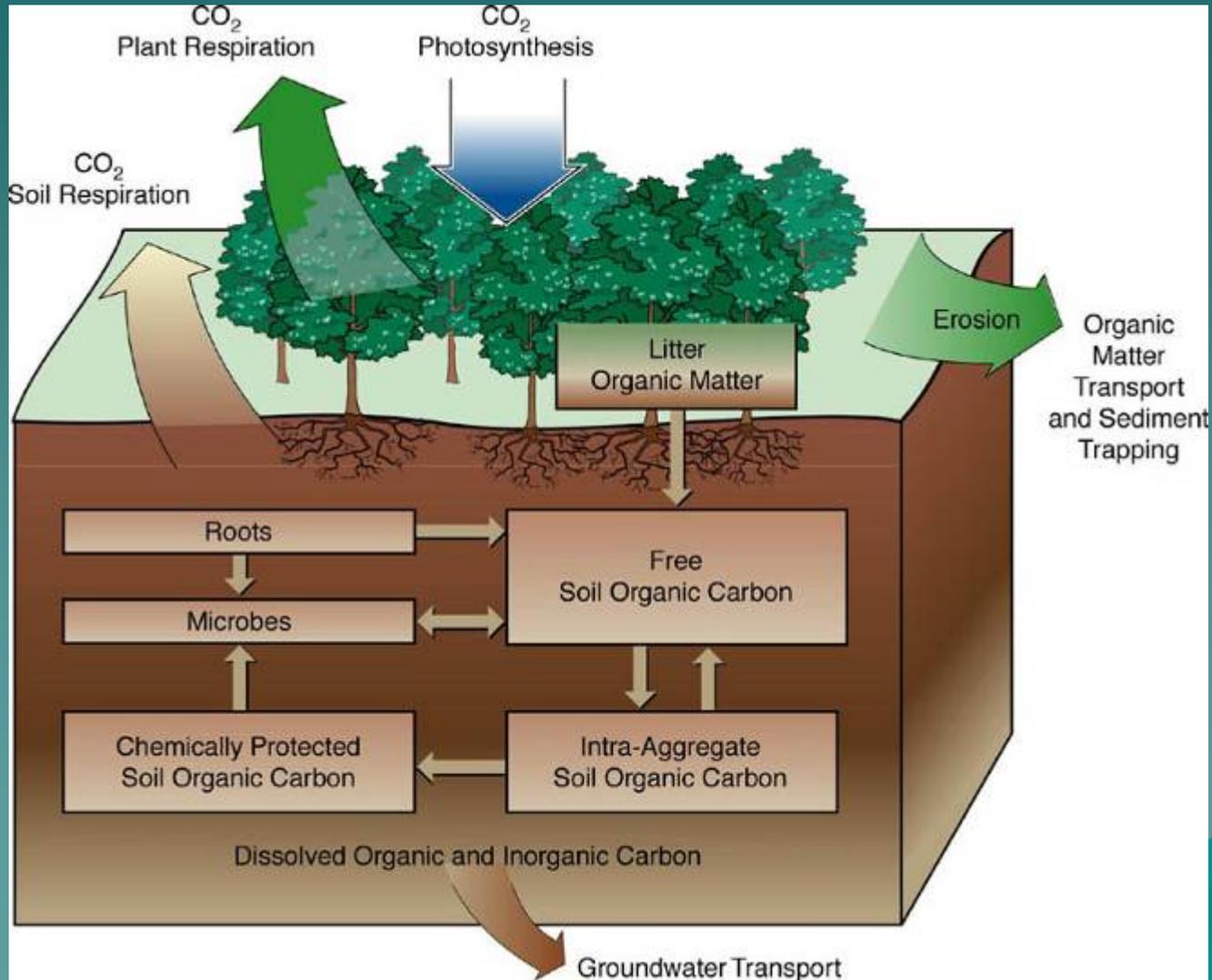


Develop Multimedia Products

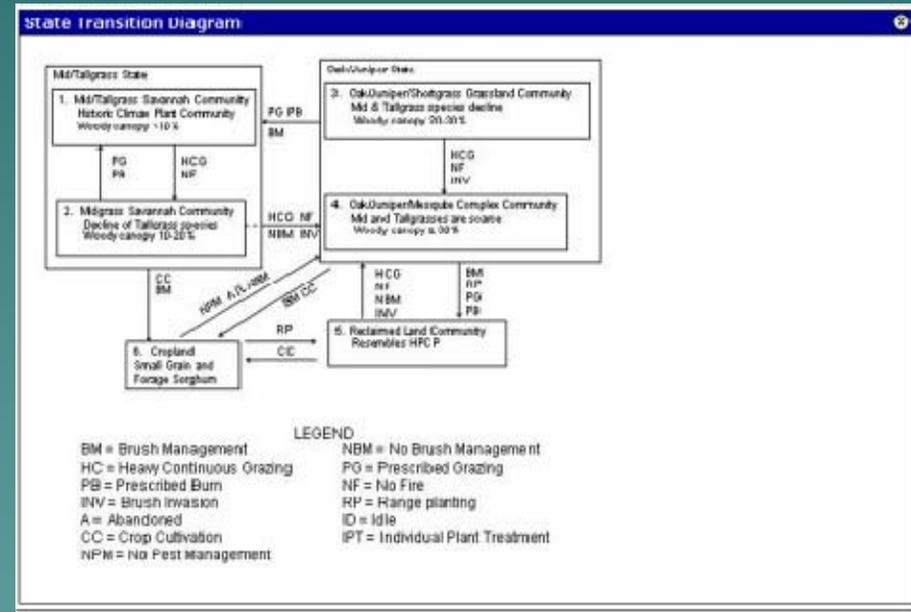
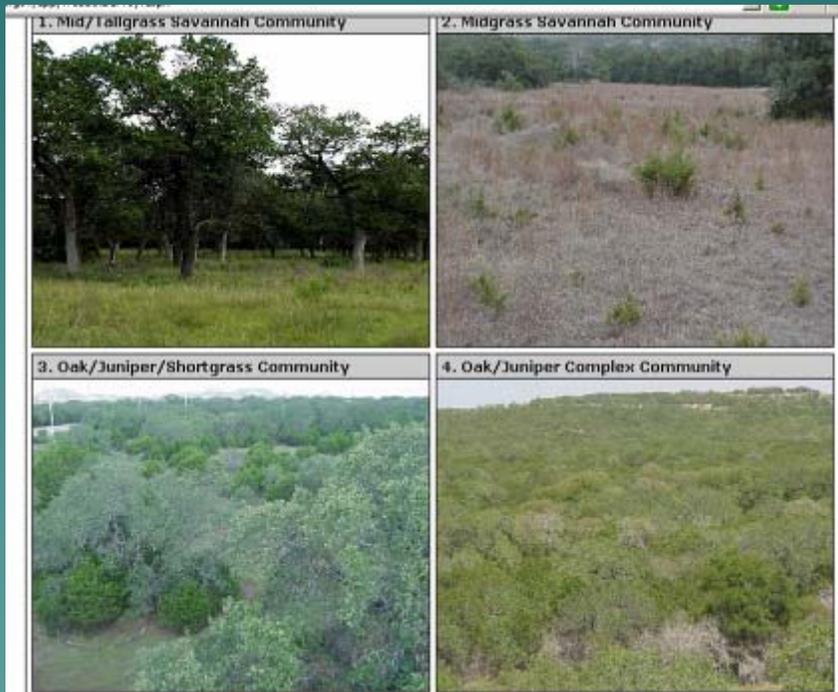
- ◆ The land has a story to tell
- ◆ Short multimedia product highlighting geomorphology, geology, major soil formation processes, veg. communities, & uses of soil survey
- ◆ Would help sell soil survey program to customers and the public



Development of Innovative Process-based Interpretations



Ecological Site Classification and Descriptions



Benchmark Ecological Sites

- ◆ A benchmark ecological site is one that has the greatest potential to yield data and information about ecological functions, processes, and the effects of management or climate change that can apply to a broad area or critical ecological zone.
 - ◆ A benchmark ecological site represents other similar sites in a MLRA
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Benchmark Ecological Sites

- ◆ The purpose of designating benchmark ecological sites is to
 - promote data collection and research that enhances the quality of ecological site information for resource planning and management
 - judiciously use limited resources for ecological site description development

Benchmark Ecological Sites

- communicate specific information needs that will improve the understanding and management of ecological sites
 - serve as development “content” standards for existing and new descriptions
 - promote the establishment of consistent ecological site description concepts across state boundaries
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Future goals

- ◆ Eventually we want to get all our public lands mapped
- ◆ Working on rangeland interpretations development and testing with NSSC
- ◆ Smoother integration of ESDs into soil survey process
- ◆ Get dynamic soil properties into ESD
- ◆ BLM will continue to strongly support the National Cooperative Soil Survey