

**Notice to Data Users:**  
**The documentation for this data set was provided solely by the Principal Investigator(s) and was not further developed, thoroughly reviewed, or edited by NSIDC. Thus, support for this data set may be limited.**

## SMEX03 Soil Texture Data: Alabama

### Summary

This data file provides soil texture classes for SCAN sites in Alabama associated with the Soil Moisture Experiment 2003 (SMEX03), conducted during June and July 2003 in northern Alabama, USA. The output parameter is the soil texture of the top layer of the soil at the USDA NRCS SCAN sites.

Data are provided in an ASCII text file and are available via FTP.

### Citing These Data

Nc{o qp."E0422; 0UO GZ 25"Uqki"Vgz wtg"F cvc<Crcdco c0}kpf kcvg"uwdugv"wgf \_0Dqwf gt."Eqmctcf q"WUC<"  
P CUC"F CCE"cv"j g"P cvkqpcn"Upqy "cpf "kég"F cv"Egpygt0'

### Overview Table

Category	Description
Data format	ASCII text file
Spatial coverage	34.68° - 35.16° N Latitude; 85.78° - 87.07° W Longitude
Temporal coverage and resolution	N/A
File size	The text file size is 1 KB.
Parameter(s)	Soil texture
Procedures for obtaining data	Data are available through FTP.

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#### 1. Contacts and Acknowledgments:

##### Investigator(s) Name and Title:

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For data sources:  
Natural Resources Conservation Service  
National Soil Survey Center, Soil Survey Laboratory  
100 Centennial Mall North  
Lincoln, Nebraska 68508-3866  
402-437-5499

or

National Water and Climate Center  
101 SW Main Street, Suite 1600  
Portland, OR 97204  
503-414-3055

## 2. Detailed Data Description:

### Format

Data are provided in a tab-delimited ASCII text file.

### File and Directory Structure:

There are no sub-directories.

### File Naming Convention:

The text file is named 'soil\_texture\_AL.txt'.

### File Size:

The text file size is 1 KB.

### Spatial Coverage:

Southernmost Latitude: 34.68° N  
Northernmost Latitude: 35.16° N  
Westernmost Longitude: 87.08° W  
Easternmost Longitude: 85.78° W

### Temporal Coverage:

N/A

### Temporal Resolution:

Readings were taken once.

## Parameter or Variable

### Parameter Description

Soil texture class

### Parameter Range:

The following table details the column headings in the data file.

<b>Column Heading</b>	<b>Description</b>
SCAN Site	USDA NRCS SCAN Site ID
Soil Texture Class	Top layer soil texture
Depth (cm)	Thickness of the top layer

### **Sample Data Record**

The following is a sample of the data file:

SCAN Site	Soil Textural Class	Depth (cm)
2053	Silty Clay Loam	0-10
2054	Fine Sandy Loam	0-8
2055	Silt Loam	0-20
2056	Loam	0-20
2057	Loam	0-20
2058	Silt Loam	0-20
2059	Silt Loam	0-20
2078	Silty Clay Loam	0-20

### **3. Data Access and Tools:**

#### **Data Access:**

#### **Software and Tools:**

A word-processing program or Web browser is sufficient for viewing the text file.

### **4. Data Acquisition and Processing:**

#### **Theory of Measurements:**

Analytical procedures and methods of soil preparation are identified by methods codes that are described in the National Soil Survey Center Soil Survey Laboratory Investigations Report No. 42 (SSIR No. 42) which is available at:

[ftp://ftp-fc.sc.egov.usda.gov/NSSC/Lab\\_Methods\\_Manual/SSIR42\\_2004\\_view.pdf](ftp://ftp-fc.sc.egov.usda.gov/NSSC/Lab_Methods_Manual/SSIR42_2004_view.pdf) .

The general methods used in the SCAN sites above are 1B1A, 2A1, and 2B.

### **5. References and Related Publications:**

Please see the National Soil Survey Center site <http://ssldata.sc.egov.usda.gov/> or the USDA NRCS site <http://www.wcc.nrcs.usda.gov/scan/> for more information about the soil data.

### **6. Document Information:**

#### **Glossary and Acronyms:**

Please see the EOSDIS Glossary of Terms for a general list of terms:

<http://www-v0ims.gsfc.nasa.gov/v0ims/glossary.of.terms.html>

### **List of Acronyms**

Please see the EOSDIS Acronyms <<http://harp.gsfc.nasa.gov/v0ims/acronyms.html>> list for a general list of acronyms. The following acronyms are used in this document:

FTP – File Transfer Protocol

ALMNet – Alabama MesoNet

NRCS – Natural Resources Conservation Service

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### **Point of Contact**

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**Province or State:** AL  
**Postal Code:** 35805  
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