

# Soils in Alabama

## Introduction

A basic knowledge of soils is vital in preparing sound development plans. The type of vegetation to be grown for erosion control and landscaping requires knowledge about the soils of the site and selection of erosion and sediment control practices is influenced by soil characteristics. In general, erosion and sediment control and stormwater management can be accomplished more cost effectively if soils are considered.

Information about the soils of an area can be obtained from a soil survey. However, for detailed planning, the survey should be verified by an on-site investigation. For design purposes an on-site investigation is imperative.

## Using a Soil Survey

A soil survey includes soil maps, soil descriptions, and interpretations for many different uses of the soils. Soil surveys for many counties of the state may be obtained from the local Natural Resources Conservation Service office.

In a soil survey, boundaries of the different kinds of soils are delineated, showing their location and extent in relation to streams, roads, and other landscape features. The soils are named according to a nationwide uniform procedure that was developed by the Soil Survey Staff of the U.S. Department of Agriculture and published as *Soil Taxonomy*. The primary basis for identifying different classes in this system are the properties of soils as found in the field that can be measured quantitatively.

The soils identified on a map in a soil survey are named in terms of soil series. Soil series are made up of soils that have similar properties. This means that the horizons or layers are similar in thickness, arrangement, and other important characteristics.

Interpretation tables with information similar to that shown in Table Soils-4 are a part of all recent soil surveys. Interpretation tables list properties and typical site conditions that are important in erosion control, sediment control and stormwater management planning. These include depth to bedrock, hydrologic group, liquid limit, permeability, plasticity index, slope, soil erodibility factor (K factor), soil reaction (pH), and texture. The interpretation tables also give other ratings, and limitations that are important for site selection and development, such as seasonal

high water table, shrink-swell potential, risk of corrosion, engineering classification, and hydrologic soil groups.

In order to make accurate interpretations limitations of the survey must be understood. First, the data generally do not represent soil material below 5 or 6 feet. Also, small areas that differ from the dominant soil identified may not be delineated on the map because the scale of the map limits the size of areas that can be shown. The ranges given for soil properties are often too wide for the design needs of a small development. Therefore, to evaluate most specific soil characteristics an on-site investigation is essential.

**Information that is needed on critical soil properties below 5 feet will need to be obtained through soil borings and evaluations by an experienced soils professional.**

## **Some Properties of Soils**

Some of the properties of soils commonly mapped in Alabama are described in this section. Related values for some of these properties are shown in Table Soils-4.

Additional information on soils can be found in Section II of the *Field Office Technical Guide* at the local Natural Resources Conservation Service office.

### ***Depth to Bedrock***

Soil survey interpretations in the *Field Office Technical Guide* of the Natural Resources Conservation Service generally provide an estimate of depth to and hardness of bedrock, the solid (fixed) rock underlying the soil. This information is helpful in determining time and cost of excavation as well as potential erodibility of the subsoil material. Hardness classes, "soft" and "hard", indicate the ease of excavating into the bedrock. "Soft" rock is likely to be sufficiently soft, thinly bedded, or fractured so that excavation can be made with trenching machines, backhoes, small rippers, or other equipment common in construction of pipelines, sewer lines, cemeteries, dwellings, or small buildings. "Hard" rock is likely to require blasting or special equipment beyond what is considered normal in this type of construction.

Bedrock at shallow depths limits plant growth by restricting root penetration. In most soils there is a negative correlation between depth to bedrock and water holding capacity.

### ***Hydrologic Group***

Hydrologic group identifies soils having the same runoff potential under similar storm and cover conditions. Soil properties that determine the hydrologic groups include the following: seasonal high water table, water intake rate and permeability

after wetting, and depth to a slowly permeable layer. The influence of ground cover is not considered. Soils are placed into four groups (A, B, C, and D) and three dual classes (A/B, B/D, C/D). In the definition of classes, the infiltration rate is controlled by surface conditions. Transmission rate is the rate water moves in the soil, controlled by the permeability of deeper horizons.

**Group A (low runoff potential)** - These soils have high infiltration rates even when thoroughly wetted, consisting chiefly of deep, well-drained to excessively drained sands or gravels. These soils have a high rate of water transmission.

**Group B** - These soils have moderate infiltration rates when thoroughly wetted, consisting chiefly of moderately deep to deep, moderately fine to moderately coarse textures. These soils have a moderate rate of water transmission.

**Group C** - These soils have slow infiltration rates when thoroughly wetted. Group C soils commonly have a layer that impedes the downward movement of water or can consist of moderately fine to fine-textures particles. These soils have a slow rate of water transmission.

**Group D (high runoff potential)** - These soils have very slow infiltration rates when thoroughly wetted and consist chiefly of clay soils with high swelling potential. These soils frequently have a permanent high water table or a slowly permeable layer at or near the surface. Other soils in this group consist of shallow soils over nearly impervious material. These soils have a very slow rate of water transmission.

Dual hydrologic groups, A/D, B/D, and C/D are indicated for certain wet soils that can be drained. The first letter applies to the drained condition, the second to the undrained condition. Only soils that are rated D in their natural condition are assigned to a dual group.

### ***Permeability***

Permeability is a major factor influencing erosion. It refers to the soil's ability to transmit water or air and depends on both the size and volume of pores. Deep, permeable soils are less erodible because more rainfall soaks in, reducing surface runoff. Because permeability varies with depth, excavation can expose layers that are more or less permeable than the original surface. Compaction reduces permeability.

### ***Plasticity Index and Liquid Limit***

Both the plasticity index (PI) and liquid limit (LL) indicate the affect of water on the strength and consistency of soil. The PI and LL of a soil are most important in fine-grained soils. Soils with greater plasticity generally have a higher cohesion and resistance to erosion than soils with a lower plasticity. These indexes are used in both the Unified and the American Association of State Highway and Transportation

Officials (AASHTO) soil classification systems, which are described in more detail later. They are also used as indicators in making general predictions of soil behavior.

### ***Slope***

The erosion potential for sheet, rill and gully erosion increases with slope length and gradient. Long and steep slopes have a high potential for soil loss from surface runoff. Soil surveys include ranges for slope steepness but do not include values for slope length.

### ***Soil Erodibility Factor (K)***

The soil erodibility factor, K, provides a measure of the susceptibility of soil particles to sheet and rill erosion by runoff from rain storms or irrigation. The principle factors affecting K are texture, organic matter, structure, and permeability. The ability of a soil to erode increases with increasing K values. Subsoils exposed during construction, however, may be too deep to be included in the table.

### ***Soil Reaction (pH)***

Soil reaction represents the degree of acidity or alkalinity of a soil, expressed as pH. The pH in soils normally is directly related to parent material. The principal value of soil pH measurement is the knowledge it gives about associated soil characteristics, such as phosphorous availability or the base saturation. A pH of approximately 6 to 7 indicates readily available plant nutrients.

Leaching removes bases, causing a pH decline. Therefore, the amount of rainfall, rate of percolation, return movement of moisture by capillary action, and evaporation affect pH. The pH is higher in many of the soils of the Prairie than most other soils in Alabama.

Soil reaction is also used as an indicator of corrosivity. In general, soils that are either very alkaline or very acid are likely to be highly corrosive to steel. Soils that are acid are likely to be corrosive to concrete.

### ***Texture and Classifications***

#### **Unified System**

The Unified System classifies soils according to suitability for construction material and considers grain-size distribution, plasticity index, liquid limit, and organic matter content. This classification is based on that portion of soil having particles smaller than 3 inches in diameter. Classes include coarse-grained soils (GW, GP, GM, GC, SW, SP, SM, SC), fine-grained soils (ML, CL, OL, MH, CH, OH) and highly organic soils (PT). Borderline soils require a dual classification symbol such as GW-GC. A description for each class in the Unified System is given in Table Soils-1.

Table Soils-1 Classification of Materials for the Unified System

Group Symbol	Description of Material Classification
<b>Coarse-grained</b>	
GW	Well-graded gravels and gravel sand mixture little or no fines. 50% or more retained on No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
GP	Poorly-graded gravels and gravel sand mixtures, little or no fines. 50% or more retained on No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
GM	Silty gravels, gravel-sand-silt mixtures. 50% or more retained on No. 4 sieve. More than 50% retained on No. 200 sieve.
GC	Clayey gravels, gravel-sand-clay mixtures. 50% or more retained on No.4 sieve. More than 50% retained on No. 200 sieve.
SW	Well-graded sands and gravelly sands with little or no fines. More than 50% passes No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
SP	Poorly graded sands and gravelly sands, little or no fines. More than 50% passes No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
SM	Silty sands, sand-silt mixtures. More than 50% passes No. 4 sieve. More than 50% retained on No. 200 sieve.
SC	Clayey sands, sand-clay mixtures. More than 50% passes No. 4 sieve. More than 50% retained on No. 200 sieve.
<b>Fine-grained</b>	
OL	Organic silts and organic silty clays of low plasticity. Liquid limit of 50% or less. 50% or more passes No. 200 sieve.
ML	Inorganic silts, very fine sands, rock flour, silty or clayey sands. Liquid limit of 50% or less. 50% or more passes No. 200 sieve.
CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays. Liquid limit 50% or less. 50% or more passes No. 200 sieve.
MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts. Liquid limit greater than 50%. 50% or more passes No. 200 sieve.
CH	Inorganic clays of high plasticity, fat clays. Liquid limit greater than 50%. 50% or more passes No. 200 sieve.
OH	Organic clays of medium to high plasticity. Liquid limit greater than 50%. 50% or more passes No. 200 sieve.
<b>Highly organic</b>	
PT	Peat, muck, and other highly organic soils.

*NOTE: These are boundary classifications. Soils possessing characteristics of two groups are designated by combinations of group symbols. For example, GW-GC is a well-graded, gravel-sand mixture with clay binder. All sieve sizes on this table are U.S. Standard.*

#### USDA System

Soil survey interpretations indicate the USDA texture for each soil, expressed as a relative proportion by weight of soil particle size classes finer than 2 mm. Soil texture is defined by the proportions of different size groups of particles. The size limits of the different soil particles are listed in Table Soils-2.

Table Soils-2 Size limits of Soil Particles

Soil Particle	Size
Cobble	0.30 - 0.15 m
Gravel	0.15 - 2.00 mm
Sand	2.00 - 0.05 mm
Silt	0.05 - 0.002 mm
Clay	< 0.002 mm

The basic texture classes, in decreasing particle size, are sands, loams, and clays. On the basis of these classes, additional class names are used such as loamy sand, sandy clay, and silty clay. Sands, loamy sands, and sandy loams may be further subdivided as very coarse, coarse, fine, or very fine. The physical properties and chemical composition of larger soil particles differ from smaller soil particles. Since most physical and chemical reactions occur on the surface of small particles, clay affects soil properties to a much greater extent than do larger particles. Sand and rock fragments retain water and nutrients poorly, because the voids between particles allow water and air to move freely.

Silt particles are barely visible to the naked eye and are intermediate in many properties between sand and clay. Silt is characterized by its plasticity and stickiness. Silt content is an important characteristic for determining erodibility because silt-sized particles are easily detached and transported in runoff. The small particle size makes silt difficult to capture in traps or basins.

There are two major types of clays, kaolinite and montmorillonite. Kaolinite (referred to as a 1:1 clay) is the most common clay in Alabama soils. It is relatively inactive and fairly stable. Montmorillonite (referred to as a 2:1 clay) is a very active clay that shrinks when dry and swells when wet. These characteristics affect the permeability of soils and are very important to their use and management. Clayey soils retain water that is available for plant growth, but these soils are often dense, hard, wet, airtight, acidic, and infertile. They can restrict root growth even though other factors are favorable.

Texture modifiers and terms used to describe texture are given in Table Soils-3.

Table Soils-3 Texture Terms and Modifiers

<u>Texture Modifier</u>		<u>Texture Terms</u>	
CB	Cobbly	COS	Coarse sand
CBA	Angular cobbly	S	Sand
CBV	Very cobbly	FS	Fine sand
CBX	Extremely cobbly	VFS	Very fine sand
CN	Channery	LCOS	Loamy coarse sand
CNV	Very channery	LS	Loamy sand
CNX	Extremely channery	LFS	Loamy fine sand
GR	Gravelly	LVFS	Loamy very fine sand
GRC	Coarse gravelly	COSL	Coarse sandy loam
GRF	Fine gravelly	SL	Sandy loam
GRV	Very gravelly	FSL	Fine sandy loam
GRX	Extremely gravelly	VFSL	Very fine sandy loam
MK	Mucky	L	Loam
PT	Peaty	SIL	Silt loam
SH	Shaly	SI	Silt
SHV	Very shaley	SCL	Sandy clay loam
SHX	Extremely shaley	CL	Clay loam
SR	Stratified	SICL	Silty clay loam
ST	Stony	SC	Sandy clay
STV	Very stony	sic	Silty clay
STX	Extremely stony	C	Clay

  

<u>Terms Used in Lieu of Texture</u>	
G	Gravel
MARL	Marl
MPT	Mucky-peat
MUCK	Muck
PEAT	Peat
SG	Sand and Gravel
UWB	Unweathered Bedrock
VAR	Variable
WB	Weathered Bedrock

*Note: These are boundary classifications. Soils possessing characteristics of two or more groups are designated by combinations of group symbols. For example, SR-S-FS is a stratified sand/fine sand.*

## ASSHTO System

The ASSHTO system classifies soils according to the properties that affect roadway construction and maintenance. The fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of grain-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in silt and clay. Soils in group A-7 are fine grained. Highly organic soils are in Group A-8 and are classified on the basis of visual inspection.

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (IN)	pH	Hydr. K	Group	P.I.	USDA	-----Textural Unified	Classification AASHTO
ABELL	0-10	3.6-5.5	.28	B	0-15	L	CL,ML,SC,SM	A-4,A-6
	10-45	3.6-5.5	.28		8-22	L,CL,SCL	CL,SC	A-4,A-6
	45-60	3.6-5.5	.17		0-7	SR-S FSL	SC-SM,SM,SP-SM	A-1,A-2 A-3,A-4
ABERNATHY	0-14	5.1-6.0	.37	B	4-15	SIL	CL,CL-ML,ML	A-4,A-6
	14-28	5.1-6.0	.37		4-15	SIL,SICL	CL,CL-ML,ML	A-4,A-6
	28-60	5.1-6.0	.37		9-20	SICL,SIC	CL	A-4,A-6,A-7
ADATON	0-6	4.5-5.5	.43	D	NP-10	SIL,L	ML,CL,CL-ML	A-4
	6-66	4.5-5.5	.32		11-30	SIL,SICL,SIC	CL,CH	A-6,A-7
AGRICOLA	0-8	5.1-6.5	.28	B	0-12	SL,L	ML,SC,SC-SM,SM	A-2,A-4,A-6
	8-12	5.1-6.5	.28		16-30	C,SC,CL	CH,CL,MH,ML	A-6,A-7
	12-29	5.1-6.5	.28		16-30	C,SC,CL	CH,CL,MH,ML	A-6,A-7
	29-35	5.1-6.5	.28		7-22	SCL,CL,L	CL,ML,SC	A-4,A-6
	35-50	5.1-6.5	.28		7-22	SCL,CL,L	CL,ML,SC	A-4,A-6
	50-60	5.1-6.5	.28			WB		
ALAGA	0-6	3.6-6.0	.10	A	NP	S,FS	SM,SP-SM	A-2,A-1-B A-3
	0-6	3.6-6.0	.10		NP-4	LS,LFS	SM,SW-SM,SP-SM	A-2,A-1-B
	6-80	3.6-6.0	.10		NP-4	LS,LFS,FS	SM,SW-SM,SP-SM	A-2
ALAMUCHEE	0-5	4.5-5.5	.28	B	NP-7	L,FSL,SL	ML,CL-ML,SM,SM-SC	A-2,A-4
	0-5	4.5-5.5	.37		8-25	SIL,SICL	CL,ML,MH	A-4,A-6,A-7
	5-52	4.5-5.5	.28		5-20	SCL,CL,L	CL,CL-ML,SC,SM-SC	A-4,A-6
	52-65	4.5-5.5	.28		5-20	L,SL,SCL	CL,CL-ML,SC,SM-SC	A-2,A-4,A-6
ALBANY	0-48	3.6-6.5	.10	C	NP	LS,LFS	SM	A-2
	0-48	3.6-6.5	.10		NP	S,FS	SM,SP-SM	A-2
	48-56	4.5-6.0	.20		NP	SL	SM	A-2
	56-88	4.5-6.0	.24		NP-17	SCL,SL,FSL	SC,SM,SM-SC	A-2,A-4,A-6
ALBERTVILLE	0-6	4.5-5.5	.20	C	NP-7	SL,FSL	MC,ML,SM-SC	A-4
	0-6	4.5-5.5	.28		NP-7	SIL,L	CL-ML,ML	A-4
	6-15	4.5-5.5	.32		11-16	SIL,S1CL,CL	CL	A-6
	15-47	4.5-5.5	.37		14-40	SICL,SIC,C	CL,CH	A-6,A-7
	47-66					WB		
ALCOA	0-7	4.5-6.0	.24	B	11-20	CL	CL,ML	A-6,A-7
	0-7	4.5-6.0	.28		5-10	L,SIL	CL-ML,CL,ML	A-4
	7-20	4.5-5.5	.24		11-20	CL	CL,ML	A-6,A-7
	20-74	4.5-5.5	.24		14-23	CL,C,SC	CL,MH,ML,CH	A-6,A-7
ALLEN	0-12	4.5-5.5	.15	B	NP-10	GR-L,GR-FSL,GR-SL	ML,CL-ML,SM,SM-SC	A-2,A-4
	0-12	4.5-5.5	.20		5-20	CL,SCL	CL-ML,CL,SM-SC,SC	A-4,A-6
	0-12	4.5-5.5	.28		NP-10	L,FSL,SL	ML,CL-ML,SM,SM-SC	A-4
	12-35	4.5-5.5	.20		4-19	CL,SCL,L	CL-ML,CL,SC	A-4,A-6 A-7-b
	35-70	4.5-5.5	.20		5-22	CL,SCL,C	CL-ML,CL,SC,SM-SC	A-4,A-6 A-7-b
ALPIN	0-3	4.5-6.5	.10	A	NP	FS,S,LS	SP-SM,SM	A-3,A-2-4
	3-54	4.5-6.5	.10		NP	FS,S	SP-SM	A-3,A-2-4
	54-99	4.5-6.0	.10		NP	FS,S	SP-SM,SM	A-2-4
ALTAVISTA	0-12	3.6-6.0	.17	C	NP	LS,LFS	SM	A-2
	0-12	3.6-6.0	.24		NP-7	FSL,L,SL	ML,CL-ML,SM,SM-SC	A-4
	0-12	3.6-6.0	.32		4-12	SIL,VFSL	CL-ML,CL	A-4,A-6
	12-42	3.6-6.0	.24		5-28	CL,SCL,L	CL,CL-ML,SC,SM-SC	A-4,A-6,A-7
	42-60						VAR	
AMERICUS	0-7	4.5-5.5	.10	A	NP	LS,S,LFS	SM,SP-SM	A-2
	7-47	4.5-5.5	.17		NP	LS,LFS	SM	A-2
	47-72	4.5-5.5	.20		NP-7	SL,LS,FSL	SM,SM-SC	A-2

<sup>1</sup>The *Field Office Technical Guide* of the Natural Resources Conservation Service should be checked for values specific to the county, especially values relating to the surface layer.

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		USDA	-----Textural Classification-----	
				Group	P. I.		Unified	AASHTO
AMY	0-18	4.5-5.5	.43	D	NP-5	SIL, L, VFSL	ML	A-4
	18-52	4.5-5.5	.43		8-20	SIL, SICL	CL	A-4, A-6
	52-68	4.5-5.5	.43		NP-20	FSL, SIL, SICL	ML, SM, CL-ML, CL	A-4, A-6
ANGIE	0-10	4.5-6.5	.32	D	NP-10	FSL, SL	SM, ML, CL-ML, SM-SC	A-4, A-2
	0-10	4.5-6.5	.49		5-10	VFSL, SIL	ML, CL-ML	A-4
	10-65	3.6-5.5	.32		18-29	SICL, SIC, C	CH, CL	A-7-6
ANNEMAINE	0-9	4.5-6.5	.28	C	NP-5	FSL, L, SL	SM, SM-SC, ML, CL-ML	A-4
	0-9	4.5-6.5	.37		5-20	SIL	CL, CL-ML	A-4, A-6
	9-16	4.5-5.5	.37		10-25	C, CL, SIC	CL	A-6, A-7
	16-37	4.5-5.5	.37		20-35	C, SIC, SICL	CH, MH, CL, ML	A-7
	37-49	4.5-5.5	.37		8-15	SCL, L, CL	SC, CL	A-4, A-6
	49-90	4.5-5.5	.32		NP-10	SCL, FSL, SL	SM, SM-SC, SC	A-2, A-4
ANNISTON	0-7	4.5-5.5	.24	B	NP-10	GR-L, GR-SIL	ML, CL, CL-ML	A-4
	0-7	4.5-5.5	.28		NP-7	SL, FSL	SM, ML, SM-SC	A-4
	0-7	4.5-5.5	.32		NP-13	L, SIL	ML, CL, CL-ML	A-4, A-6
	7-80	4.5-5.5	.32		10-28	CL, C	ML, CL	A-6, A-7
APISON	0-7	4.5-5.5	.37	B	3-10	L, SIL	ML, CL, CL-ML	A-4
	7-28	4.5-5.5	.37		4-18	CL, L, SICL	CL-ML, CL	A-4, A-6
	28-61					WB		
APPLING	0-9	4.5-5.5	.24	B	NP-5	FSL, SL, LS	SM	A-2
	0-9	4.5-5.5	.28		6-20	SCL	CL, SC, CL-ML, SM-SC	A-6, A-4
	0-9	4.5-5.5	.15		NP	GR-SL, GR-COSL	SM	A-2, A-1-B
	9-35	4.5-5.5	.28		15-30	SC, CL, C	MH, ML, CL	A-7
	35-46	4.5-5.5	.28		8-22	SC, CL, SCL	SC, CL	A-4, A-6, A-7
	46-65					VAR		
ARAGON	0-6	4.5-5.5	.32	C	NP-7	FSL, L	ML, CL-ML, SM, SM-SC	A-4
	0-6	4.5-5.5	.32		2-7	SIL	ML, CL-ML	A-4
	6-15	3.6-5.5	.32		3-12	CL, L, SCL	ML, CL, CL-ML	A-4, A-6
	15-42	3.6-5.5	.28		15-35	C, SIC	CH, MH	A-7
	42-52	3.6-5.5	.32		11-30	SIC, SCL, C	ML, CL, MH, CH	A-6, A-7
	52-65					WB		
ARDILLA	0-9	4.5-6.0	.15	C	NP-7	LS, LFS, COS	SM, SP-SM, SM-SC	A-2-4, A-1
	0-9	4.5-6.0	.24		NP-7	SL, FSL	SM, SM-SC	A-2-4
	9-30	4.5-6.0	.28		4-15	SCL, SL	SM, SM-SC, SC	A-4, A-2-6
	30-60	4.5-5.5	.28		7-20	SCL, SC	SM, SC	A-6 A-4, A-6, A-5 A-7

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.		P.I.	Textural Classification		AASHTO
			K	Group		USDA	Unified	
ARGENT	0-5	3.6-6.0	.24	D	NP-10	SL,FSL	SM,SC,SM-SC	A-2,A-4
	0-5	3.6-6.0	.24		5-20	L,CL	CL,CL-ML	A-4,A-6,A-7
	0-5	3.6-6.0	.32		3-20	SIL,SICL	CL,CL-ML,ML	A-6,A-4
	5-64	3.6-6.0	.32		11-40	C,SC,SIC	CL,CH	A-6,A-7
	64-76	5.6-8.4	.32		6-28	SCL,CL,SICL	CL,CL-ML,SC,SM-SC	A-4,A-6,A-7
	76-80					VAR		
ARMOUR	0-17	5.1-6.0	.37	B	11-18	SICL	CL	A-6
	0-17	5.1-6.0	.43		5-10	SIL	CL-ML,CL,ML	A-4
	17-48	5.1-6.0	.37		8-18	SICL,SIL	CL	A-4,A-6
	48-75	5.1-6.0	.37		9-23	SICL,SIC,C	ML,MH,GM,GC	A-4,A-6,A-7
ARMUCHEE	0-8	4.5-5.5	.28	C	5-15	SH-SIL,SH-SICL	CL,ML,CL-ML	A-4,A-6
	0-8	4.5-5.5	.37		5-15	SIL,SICL	CL,ML,CL-ML	A-4,A-6
	8-17	4.5-5.5	.37		13-35	SH-SIC,SH-SICL	MH,ML,CL,CH	A-6,A-7
	17-24	4.5-5.5	.32		11-30	SHV-SIC,SHV-SICL	GM,GC,CL,CH	A-2,A-6,A-7
	24-60					WB		
ARUNDEL	0-6	3.6-5.5	.28	C	NP	SL,SL	ML,SM	A-4,A-2-4
	0-6	3.6-5.5	.28		NP	LFS,LS	SM	A-2,A-4
	0-6	3.6-5.5	.37		NP-10	SIL,L	ML,CL,CL-ML	A-4
	6-38	3.6-4.4	.32		22-41	SICL,SIC,C	CL,CH	A-7
	38-45					WB		
ATKINS	0-14	4.5-6.0	.37	B/D	-15	SIL	CL,CL-ML,ML	A-4,A-6
	14-75	4.5-5.5	.32		8-22	SIL,L,CL,SCL	CL	A-4,A-6,A-7
ATMORE	0-13	3.6-5.5	.32	B/D	NP-7	FSL,VFSL	SM,ML,CL-ML,SM-SC	A-4
	0-13	3.6-5.5	.37		NP-7	L,SIL	ML	A-4
	13-48	3.6-5.5	.37		NP-7	L,SIL,FSL	ML,CL-ML	A-4
	48-70	3.6-5.5	.32		2-18	SIL,CL,SICL	ML,CL,SM,SC	A-4,A-6
AUGUSTA	0-9	4.5-6.0	.17	C	NP-4	LS,LFS	SM,CL-ML	A-2-4
	0-9	4.5-6.0	.20		NP-7	SL,FSL	SM,SM-SC,ML	A-2,A-4
	0-9	4.5-6.0	.24		NP-10	SIL,L	ML,CL-ML	A-4
	9-60	4.5-6.0	.24		5-25	SCL,CL,L	CL,CL-ML	A-4,A-6,A-7
	60-70					VAR		
AXIS	0-7	6.1-8.4	24	D	NP-7	SL,FSL,VFSL	CL-ML,SC,SM,SM-SC	A-4
	0-7	6.1-8.4	24		4-10	MK-SL,MK-SCL	CL-ML,SC,SM-SC	A-4
	0-7	6.1-8.4	37		4-10	L,SIL	CL,CL-ML	A-4
	7-40	6.1-8.4	10		4-10	SL,L,SIL	CL-ML,SC,SM-SC,CL	A-4
	40-72	6.1-8.4	10		NP-7	SL,L,SCL	ML,CL-ML,SM,SM-SC	A-4
BAMA	0-14	4.5-6.0	.24	B	NP-10	FSL,SL,L	SM,SC,SM-SC,CL-ML	A-4
	14-41	4.5-5.5	.32		2-15	L,SCL	SM,SC,SM-SC,CL-ML	A-4,A-6
	41-74	4.5-5.5	.32		8-18	L,SCL,CL	SC,CL	A-4,A-6

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.			-----Textural		Classification -----	
			K	Group	P. I.	USDA	Unified	AASHTO	
BANKHEAD	0-4	4.5-5.5	.15	B	NP	LS	SM	A-2	
	0-4	4.5-5.5	.17		NP	CN-FSL,CN-SL,GR-SL	SM,GM	A-2,A-4	
	0-4	4.5-5.5	.20		NP	FSL,SL	SM	A-2,A-4	
	4-26	4.5-5.5	.17		NP-3	SL,CN-SL,CB-SL	SM,GM	A-2,A-4	
	26-30					UWB			
BARFIELD	0-6	6.1-7.8	.17	D	12-35	ST-SICL,ST-SIC,ST-C	CL,CH,MH	A-6,A-7	
	6-18	6.1-7.8	.17		22-40	ST-SICL,ST-SIC	CL,CH,MH	A-7	
	18-22					UWB			
BARFIELD	0-6	6.1-7.8	.24	D	12-35	SICL,SIC,C	CL,CH,MH	A-6,A-7	
	6-18	6.1-7.8	.17		14-40	SIC,C,SICL	CH,MH,CL	A-7,A-6	
	18-22					UWB			
BASIN	0-9	3.6-5.5	.28	C	NP	FSL,SL,L	SM,ML	A-4	
	9-22	3.6-5.5	.28		NP-7	L,FSL	SM,ML,CL-ML,SM-SC	A-4	
	22-60	3.6-5.5	.28		5-12	L,SL,SCL	CL-ML,SM-SC,CL,SC	A-4,A-6	
BASSFIELD	0-7	4.5-5.5	.17	B	NP-3	LS	SM	A-2	
	0-7	4.5-5.5	.20		NP-3	SL,FSL,L	SM,ML	A-2,A-4	
	7-42	4.5-5.5	.20		NP-10	SL,L	SM,SC,SM-SC	A-2,A-4	
	42-80	4.5-5.5	.17		NP-3	LS,S	SP-SM,SM	A-2,A-3	
BAXTER	0-10	4.5-5.5	.28	B	3-10	GR-SIL	CL,CL-ML,GC,GC-GM	A-2,A-4	
	10-40	4.5-5.5	.24		8-17	GR-SICL	CL,GC,ML,SC	A-2,A-4,A-6, A-7	
	40-60	4.5-5.5	.20		20-42	GR-C,GR-SIC	GM,MH,ML,SM	A-2,A-7	
BAXTERVILLE	0-9	4.5-5.5	.24	B	NP-10	SL,FSL,L	SM,SC,SM-SC	A-4	
	9-29	4.5-5.5	.37		12-18	SL,SCL	CL	A-6	
	29-68	4.5-5.5	.37		12-25	CL,SCL,L	CL	A-6,A-7	
BAYBORO	0-14	3.6-5.5	.10	D	NP-7	MK-FSL,MK-L	OL,SM,CL-ML,SM-SC	A-4,A-2	
	0-14	3.6-5.5	.15		NP-7	FSL	SM-SC,SM,CL-ML,ML	A-4,A-2	
	0-14	3.6-5.5	.17		3-20	L,CL	CL,ML,CL-ML	A-6,A-7,A-4	
	14-64	4.5-5.5	.32		20-40	CL,SC,C	CL,CH	A-7,A-6	
BAYOU	0-18	4.5-5.5	.20	D	NP-7	SL,L	SM,SM-SC,ML,CL-ML	A-2,A-4	
	18-43	4.5-5.5	.20		NP-7	SL,L	SM,SM-SC,ML,CL-ML	A-2,A-4	
	43-66	3.6-6.0	.32		8-15	SCL,CL	SC,CL	A-4,A-6	
BEACHES	0-6		.05	D	NP	COS,S,FS	SP	A-1,A-3	
	6-60		.05		NP	COS,S,FS	SP	A-1,A-3	
BEASON	0-7	4.5-6.0	.37	C	5-15	SIL,SICL	ML,CL,CL-ML	A-4,A-6	
	7-18	4.5-5.5	.32		11-20	SICL,SIL	CL	A-6	
	18-60	4.5-5.5	.32		11-25	SICL,SIC,C	CL	A-6,A-7	
	60-80					VAR			
BEATRICE	0-3	3.6-6.0	.28	D	NP	SL,FSL	SM,ML	A-4	
	0-3	3.6-6.0	.37		5-15	L,SIL	CL-ML,CL	A-4,A-6	
	3-50	3.6-5.0	.32		24-42	C	MH	A-7	
	50-72					SR-C-SCL			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr. K	Group	P. I.	-----Textural USDA	Classification----- Unified	AASHTO
BENNDALE	0-5	4.5-5.5	.17	B	NP	LS	SM	A-2
	0-5	4.5-5.5	.20		NP-7	SL, SL	ML, SM, CL-ML, SM-SC	A-4, A-2-4
	0-5	4.5-5.5	.20		NP-7	L	ML, CL-ML	A-4
	5-33	4.5-5.5	.28		3-7	L, SL, FSL	ML, SM, CL-ML, SM-SC	A-4
	33-68	4.5-5.5	.32		3-15	L, SL, SCL	ML, SM, CL-ML, SM-SC	A-4, A-6
	68-73	4.5-5.5	.28		NP-5	L, SL, LS	SM, ML, CL-ML, SM-SC	A-2, A-4
BETHERA	0-7	3.6-6.0	.24	D	0-6	FSL, SL	SM, ML, SM-SC, CL-ML	A-4
	0-7	3.6-6.0	.28		12-26	CL	CL, CH	A-6, A-7
	0-7	3.6-6.0	.28		8-14	L, SIL	CL	A-4, A-6
	7-68	3.6-6.0	.32		12-30	C, CL, SC	CL, CH, ML, MH	A-6, A-7
	68-80	3.6-6.0	.32		8-30	C, SC, SCL	CL, CH	A-7, A-6, A-4
BENLEYVILLE	0-8	4.5-6.5	.37	B	11-18	SICL	CL	A-6
	0-8	4.5-6.5	.43		2-7	SIL	ML, CL-ML	A-4
	8-28	4.5-5.5	.37		11-22	SICL, SIL	CL	A-6, A-7
	28-72	4.5-5.5	.37		12-32	C, CL, SICL	CL, ML, MH, CN	A-6, A-7
BIBS	0-12	4.5-5.5	.15	D	NP	S, LS	SM, SP-SM	A-2, A-3, A-1-B
	0-12	4.5-5.5	.20		NP-7	SL, FSL	SM, SM-SC, ML CL-ML	A-2, A-4
	0-12	4.5-5.5	.28		NP-7	L, SIL	ML, CL-ML	A-4
	12-37	4.5-5.5	.37		NP-7	SL, L, SIL	SM, SM-SC, ML CL-ML	A-2, A-4
	37-60	4.5-5.5	.15		NP	S, FS, LS	SM, SP-SM	A-2, A-3, A-1-B
BIGBEE	0-17	4.5-6.0	.10	A	NP	S, FS	SM, SP-SM	A-2-4, A-3
	0-17	4.5-6.0	.10		NP	LS, LFS	SM	A-2-4
	17-80	4.5-6.0	.17		NP	S, FS	SP-SM, SM	A-2-4, A-3
BINNSVILLE	0-8	7.4-8.4	.37	D	22-32	SICL, SIC	CL, CH	A-7
	8-12	7.4-8.4	.37		22-32	SICL, SIC	CL, CH	A-7
	12-48					WB		
BIRMINGHAM	0-5	4.5-6.5	.24	B	NP-7	CB-L, CB-SL, CB-SIL	GM-GC, GM, SM-SC, SM	A-2, A-4
	5-29	4.5-6.5	.28		4-16	CB-L, CB-CL	SC, SM-SC, GC, GM-GC	A-4, A-2, A-6
	29-49					WB		
	49-55					WB		
BLADEN	0-14	3.6-5.5	.24	D	NP	FSL, SL	SM	A-2, A-4
	0-14	3.6-5.5	.37		NP-10	L, SIL	CL, ML, CL-ML	A-4
	14-41	3.6-5.5			23-45	C, SC	CL, CH	A-7
	41-62	3.6-5.5			8-35	C, SC, CL	CL, CH, SC	A-4, A-6, A-7
	62-80					VAR		
BLANTON	0-58	4.5-6.0	.10	A	NP	LS, LFS	SM	A-2-4
	0-58	4.5-6.0	.10		NP	S, FS, COS	SP-SM, SM	A-3, A-2-4
	0-58	4.5-6.0	.05		NP	GR-S	SP-SM	A-1, A-2-4
								A-3
	58-62	4.5-5.5	.15		NP-3	SL, LS, LCOS	SM	A-2-4
	62-80	4.5-5.5	.20		3-22	SCL, SL, SC	SC, SM-SC, SM	A-4, A-2-4
							A-6	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification-----	
				Group	P. I.	USDA	Unified	AASHTO	
BODINE	0-8	3.6-5.5	.24	B	NP-7	CRV-SIL, CRV-L	GM, GM-GC	A-1, A-2	
	0-8	3.6-5.5	.28		NP-7	CR-SIL, CR-L, CR-SL	ML, CL-ML, GM, SM	A-4, A-2 A-1-B	
	0-8	3.6-5.5	.28		NP-7	ST-SIL, ST-L, STV-SIL	SM, SM-SC, GM, GM-GC	A-4, A-2, A-1	
	8-24	3.6-5.5	.24		3-15	CR-SIL, CR-SICL, ST-SIL	GM-GC, GC, SC, SM-SC	A-1, A-2 A-4, A-6	
	24-72	3.6-5.5	.24		8-16	CR-SICL, CR-CL, CRV-SIL	GC, GM, SC, SM	A-2	
BOMAR	0-7	4.5-6.0	.37	C	2-10	SIL, L, SICL	CL, ML, CL-ML	A-4	
	7-33	4.5-5.5	.32		11-25	SICL, SIC, CL	CL	A-6, A-7	
	33-73	3.6-5.0	.32		11-25	SIC, SICL, CL	CL	A-6, A-7	
	73-80	3.6-5.0	.28		11-25	CL, SICL, SIC	CL	A-6, A-7	
BONIFAY	0-57	4.5-6.5	.10	A	NP	LS, LFS	SM	A-2-4	
	0-57	4.5-6.5	.10		NP	S, FS	SP-SM	A-3, A-2-4	
	57-63	4.5-6.5	.24		NP-12	SL, SCL, FSL	SM-SC, SC, SM	A-2-4, A-4 A-6	
	63-73	4.5-6.5	.24		5-22	SCL, SC	SM-SC, SC	A-2, A-4, A-6 A-7	
BONNEAU	0-22	4.5-6.0	.15	A	NP	LS, LFS	SM	A-2	
	0-22	4.5-6.0	.15		NP	S, FS	SM, SP-SM	A-2, A-3	
	22-50	4.5-5.5	.20		4-21	SL, SCL, FSL	SC, SM-SC	A-2, A-6, A-4	
	50-74	4.5-5.5	.20		4-18	SL, SCL, SC	CL, SC, SM-SC, CL-ML	A-4, A-6, A-2	
BOSWELL	0-5	4.5-5.5	.28	D	NP	FSL, SL	SM, ML	A-4	
	0-5	4.5-5.5	.37		11-35	CL, SICL, C	CL, CH	A-6, A-7	
	0-5	4.5-5.5	.43		3-12	SIL, L	ML, CL, CL-ML	A-4, A-6	
	5-70	4.5-5.5	.32		25-40	C, SIC, SICL	CH	A-7	
BRADYVILLE	0-6	5.1-6.5	.37	C	12-22	SICL	CL	A-6, A-7	
	0-6	5.1-6.5	.43		3-15	SIL	ML, CL, CL-ML	A-4, A-6	
	6-20	5.1-6.0	.32		18-28	SICL, SIC, C	CL, MH, CH	A-7, A-6	
	20-48 48-52	5.1-7.8	.28		26-40	SIC, C UWB	CH, MH	A-7	
BRANTLEY	0-6	4.5-6.5	.28	C	NP-7	FSL, L	SM, SM-SC, ML, CL-ML	A-4	
	0-6	4.5-5.5	.28		9-16	CL	CL, ML	A-6, A-7, A-4	
	6-35	4.5-6.0	.28		16-22	C, CL, SC	CL, ML	A-7	
	35-52	4.5-5.5	.24		7-15	SCL, CL	SC, SM, CL, ML	A-4, A-6	
	52-72	4.5-5.5	.20		NP-9	FSL, LFS, SCL	SM, SC, ML	A-2, A-4	
BRAXTON	0-6	5.1-6.0	.28	C	7-18	CR-SIL, CR-SICL	CL-ML, CL, GC, GM-GC	A-4, A-6	
	0-6	5.1-6.0	.32		7-18	SIL, SICL	CL-ML, CL	A-4, A-6	
	6-24	5.1-6.0	.20		20-32	C, SIC	CL, MH, CH	A-7	
	24-80	5.1-6.5	.20		22-34	C	CL, CH, MH	A-7	
BREMO	0-10	5.1-6.5	.28	C	NP-10	GR-SIL, GR-L	ML, CL, GM, CL-ML	A-2, A-4	
	0-10	5.1-6.5	.28		NP-10	SIL, L	ML, CL-ML, CL	A-4	
	10-17	5.1-6.5	.20		6-14	GRV-SIL, GRV-L, GR-SIL	CL, CL-ML, GC, SC	A-2, A-4, A-6	
	17-25	5.1-6.5	.20		NP-6	GRV-SIL, GRV-L, GR-SL	GM, GM-GC, GP-GM	A-1, A-2, A-4	
	25-29					UWB			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification -----	
				Group	P.I.	USDA	Unified	AASHTO	
BREWTON	0-21	4.5-5.5	.24	C	NP-5	FSL,L		SM,SM-SC	A-2,A-4
	21-60	4.5-5.5	.28		NP-7	SL,FSL,L		SM,SM-SC	A-2,A-4
	60-96					SR-S-C			
BRILLIANT	0-7	5.6-7.3	.24	B	NP-16	CNV-SL,CNV-L,CNV-SIL		SM,SC,SM-SC,GM	A-2-4,A-2-6 A-1
	0-7	5.6-7.3	.24		NP-16	CNX-SL,CNX-L,CNX-SIL		SM,SC,SP-SM,SM-SC	A-2-4,A-2-6 A-1
	0-7	5.6-7.3	.24		NP-7	CN-SL,CN-L,CN-SIL		SM,SM-SC,GM,GM-GC	A-4,A-2-4
	7-72	5.6-7.3	.24		NP-16	CNX-SL,CNX-L,CNX-SIL		SM,SC,SM-SC,SP-SM	A-2-4,A-2-6 A-1
BROOKSVILLE	0-16	5.1-6.5	.37	D	25-32	SICL,SIC		CL,CH	A-7
	16-80	6.6-8.4	.32		36-65	SIC,C		CH	
BRUNO	0-8	5.1-8.4	.15	A	NP	LS,LFS		SM	A-2
	0-8	5.1-8.4	.17		NP-3	SL,L,FSL		SM,ML	A-4,A-2
	8-42	5.1-8.4	.15		NP	S,LS,LFS		SP-SM,SM	A-2
	42-60	5.1-8.4	.10		NP	S		SP-SM,SM	A-2,A-3
BUNCOMBE	0-10	6.1-6.5	.10	A	NP	LS,LFS,S		SM,SP-SM	A-2,A-3
	10-55	4.5-6.0	.10		NP	LS,LFS,S		SM,SP-SM	A-2,A-3
	55-65					VAR			
BYARS	0-13	3.6-5.5	.20	D	NP-7	SL,FSL		SM,SM-SC,ML,CL-ML	A-4
	0-13	3.6-5.5	.28		11-23	SICL,CL,L		CL	A-6,A-7-6
	0-13	3.6-5.5	.37		11-23	SIL		CL,ML	A-6,A-7-6
	13-43	3.6-5.5	.32		17-42	C,CL,SC		CL,CH	A-7-5,A-7-6 A-6
	43-73	3.6-5.5	.32		8-20	C,SICL,SIC		CL,ML	A-6,A-7,A-4
	73-80					VAR			
CADEVILLE	0-7	3.6-6.0	.32	D	NP-7	FSL		SM,CL-ML,ML,SM-SC	A-4
	0-7	3.6-6.0	.37		2-19	L		ML,CL CL-ML	A-4,A-6
	0-7	3.6-6.0	.49		2-19	VFSL,SIL		ML,CL ML,CL	A-4,A-6
	7-23	3.6-5.5	.32		22-35	SIC,C		CH,CL	A-7-6
	23-64	3.6-5.5	.32		12-30	C,SIC,SICL		CH,CL	A-7-6,A-6
CAHABA	0-9	4.5-6.0	.15	B	NP	LS,LFS		SM	A-2
	0-9	4.5-6.0	.24		NP	SL,FSL		SM	A-4,A-2-4
	0-9	4.5-6.0	.28		NP-7	L		ML,CL-ML	A-4
	9-53	4.5-6.0	.28		8-15	SCL,L,CL		SC,CL	A-4,A-6
	53-80	4.5-6.0	.24		NP	S,LS,SL		SM,SP-SM	A-2-4
CANE	0-5	5.6-6.5	.20	C	NP-7	GR-L,GR-FSL,GR-SL		SM	A-2,A-4
	0-5	5.6-6.5	.28		NP-7	L,FSL,SL		ML,SM	A-4
	5-25	4.5-6.0	.37		3-12	SIL,L,CL		ML,CL-ML,CL	A-4,A-6
	25-62	4.5-6.0	.37		3-15	SIL,L,CL		ML,CL-ML,CL	A-4,A-6

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (IN)	pH	K	Hydr. Group	P. I.	USDA	-----Textural Classification	
							Unified	AASHTO
CANTON BEND	0-7	5.1-6.5	.24	C	NP-6	FSL, SL	ML, SM, CL-ML, SM-SC	A-2, A-4
	0-7	5.1-6.5	.43		NP-10	L, SIL	CL, CL-ML, ML	A-4
	7-52	5.1-5.5	.37		11-25	SICL, CL, SIC	CL	A-6, A-7
	52-80	5.1-5.5	.32		NP-7	L, FSL, SL	SM-SC, SM, CL-ML, ML	A-2, A-4
CANTUCHE	0-4	3.6-5.5	.20	D	4-11	CNV-L, CNV-SIL, CNV-SL	SC, SM-SC, CL, CL-ML	A-4, A-6
	4-9	3.6-5.5	.20		4-11	CNX-L, CNX-SIL, CNV-L	SC, SM-SC, CL, CL-ML	A-4, A-6
	9-20					WB		
CAPSHAW	0-7	5.1-6.0	.37	C	3-10	SIL, L	ML, CL, CL-ML	A-4
	7-19	5.1-6.0	.37		11-20	SICL, SIC, SIL	ML, CL	A-6, A-7
	19-46	5.1-6.0	.24		18-36	C, SIC, SICL	CL, CH, MH	A-7
	46-60	5.6-7.8	.24		18-36	C, SICL, CL	MH, CH, CL	A-7
CAPTINA	0-9	4.5-6.5	.43	C	4-10	SIL	CL, CL-ML	A-4
	9-25	3.6-6.0	.43		10-20	SIL, SICL	CL	A-6
	25-39	3.6-6.0	.37		10-20	SIL, SICL, CR-SIL	SC, CL	A-6
	39-58	3.6-6.0	.32		10-20	SIL, CR-SICL, CRV-SICL	GC, SC, CL	A-2, A-6
	58-80	3.6-6.0	.32		25-45	SICL, CR-SIC, CRX-C	GC, GP-GC, CL, SC	A-2, A-7
CARNEGIE	0-5	4.5-6.0	.28	C	NP-5	SL, LS, GR-SL	SM, SM-SC	A-2
	0-5	4.5-6.0	.32		NP-7	SCL	SM, SM-SC, CL-ML, ML	A-4
	5-20	4.0-5.5	.32		13-25	SC, SCL	CL	A-6, A-7
	20-32	4.0-5.5	.28		13-25	SC, C	CL	A-6, A-7
	32-65	4.0-5.5	.28		13-25	SC, C	CL	A-7, A-6
CARTECAY	0-9	5.1-6.5	.24	C	NP	SL, LS	SM	A-2, A-4
	0-9	5.1-6.5	.24		NP-5	VFSL, FSL	SM, SM-SC, ML	A-2, A-4
	0-9	5.1-6.5	.32		NP-15	L, SIL, SICL	ML, CL, CL-ML	A-4, A-6
	9-40	5.1-6.5	.24		NP-10	SL, FSL, L	SM, SC, SM-SC	A-2, A-4
	40-60	5.1-6.5	.15		NP	LS, S, SL	SM, SP-SM	A-2, A-1, A-3
CATALPA	0-6	6.1-8.4	.28	C	24-30	SICL, SIC, C	CL, CH	A-7
	6-60	6.1-8.4	.28		28-50	SIC, C, SICL	CH	A-7
CATAULA	0-7	5.1-6.5	.17	B	NP-7	LS	SM, SM-SC	A-2
	0-7	5.1-6.5	.28		NP-7	SL, FSL	SM, SM-SC	A-2, A-4
	0-7	5.1-6.5	.32		9-20	SCL, CL	CL, ML, SC, SM	A-4, A-6, A-7
	7-27	4.5-6.0	.24		11-30	C, CL, SC	MH, ML, CL	A-7, A-6
	27-55	4.5-6.0	.24		2-30	SCL, SC, CL	MH, ML	A-5, A-7
	55-75	4.5-6.0	.32		2-20	SCL, CL, L	CL, ML, CL-ML, SC	A-4, A-6
CECIL	0-7	4.5-6.0	.28	B	NP-7	SL, FSL, L	SM, SM-SC	A-2, A-4
	0-7	4.5-6.0	.28		3-15	SCL, CL	SM, SC, CL, ML	A-4, A-6
	0-7	4.5-6.0	.15		NP-4	GR-SL, GR-L, GR-FSL	SM, GM	A-2, A-1-B
	7-11	4.5-5.5	.28		3-15	SCL, CL	SM, SC, ML, CL	A-4, A-6
	11-50	4.5-5.5	.28		9-37	C, CL	MH, ML	A-7, A-5
	50-75					VAR		
CEDA	0-9	5.6-6.5	.17	B	NP-7	GR-FSL, GRV-FSL	SM, GM, SM-SC, GM-GC	A-1, A-2, A-4
	0-9	5.6-6.5	.28		2-7	GR-L, GRV-L	SM, GM, ML, GM-GC	A-1, A-2, A-4
	0-9	5.6-6.5	.28		2-7	GR-SIL, GRV-SIL	ML, SM, GM, GM-GC	A-2, A-4
	9-65	5.6-6.5	.28		NP-18	GRV-L, CB-CL, GRV-FSL	GM, GP-GM, GM-GC	A-1, A-2, A-4 A-6

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural Classification -----		AASHTO
				Group	P. I.	USDA	Unified	
CEDARBLUFF	0-9	5.1-6.0	.28	C	NP	FSL, L	ML, SM	A-4
	0-9	5.1-6.0	.37		5-20	SIL	CL-ML, CL	A-6, A-4
	9-18	5.1-6.0	.32		5-10	CL, L	CL-ML, ML, CL	A-4
	18-33	5.1-5.5	.32		11-25	CL, L	CL	A-6
	33-66	5.1-5.5	.32		11-35	CL, L, C	CL, CH	A-6, A-7-6
CHASTAIN	0-5	4.5-6.5	.28	D	12-40	SIC, CL, C	ML, CL, MH, CH	A-6, A-7
	0-5	4.5-6.0	.32		3-18	SICL, SIL, L	ML, CL, CL-ML	A-4, A-6, A-7
	5-52	4.5-6.0	.37		12-40	SICL, SIC, C	CL, CH, ML, MH	A-6, A-7
	52-72	4.5-6.0	.10		NP	LS, S, FS	SP, SM, SP-SM	A-2, A-3
CHEAHA	0-4	4.5-5.5	.20	D	NP-7	ST-FSL, ST-SL	SM, ML, GM	A-4, A-2-4
	0-4	4.5-5.5	.24		NP-7	ST-L, ST-SIL	SM, ML, GM	A-4, A-2-4
	4-35	4.5-5.5	.28		NP-10	ST-SCL, ST-CL, ST-SIL	ML, SM, GM, CL-ML	A-4, A-2-4
	35-50					UWB		
CHENNEBY	0-16	4.5-6.0	.32	C	8-20	SICL	CL, ML, MH, CH	A-6, A-7, A-4
	0-16	4.5-6.0	.37		3-15	L, SIL	CL, ML, CL-ML	A-4, A-6
	16-55	4.5-6.0	.32		8-20	L, SIL, SICL	CL, ML, MH, CH	A-4, A-6, A-7
	55-72	4.5-6.0	.24		NP-8	SR-SL, SICL	SM, ML, SC, CL	A-2-4, A-4
CHENACLA	0-8	4.5-6.5	.24	C	NP-7	FSL, SL	SM, SM-SC	A-2, A-4
	0-8	4.5-6.5	.28		4-20	SIL, L	ML, CL, CL-ML	A-4, A-6, A-7
	8-24	4.5-6.5	.32		4-22	SIL, SICL, CL	ML, CL	A-4, A-6, A-7
	24-34	4.5-6.5	.28		NP-15	SCL, L, SL	SM, SM-SC, ML, CL	A-4, A-7-6, A-6
	34-58	4.5-7.8	.32		4-28	SIL, CL, SICL	ML, MH, CL, CH	A-4, A-6, A-7
	58-70					VAR		
CHIPLEY	0-6	3.6-6.0	.10	C	NP	S, FS	SP-SM	A-3, A-2-4
	6-77	4.5-6.5	.10		NP	S, FS	SP-SM	A-3, A-2-4
CH ISCA	0-5	3.6-5.5	.28	D	NP-7	L, FSL, SL	ML, SM, CL-ML, SM-SC	A-4
	0-5	3.6-5.5	.37		NP-15	SIL, SICL, CL	ML, CL, CL-ML	A-6, A-4
	5-13	3.6-5.5	.32		20-40	SIC, C	CL, CH, MH	A-7
	13-32	3.6-5.5	.32		30-60	C	CH, MH	A-7
	32-55	4.5-8.4	.32		20-40	C, SIC	CL, CH, MH	A-7
	55-65					WB		
CHOCCOLOCCO	0-6	4.5-6.0	.28	B	NP-7	FSL, SL	SM	A-2, A-4
	0-6	4.5-6.0	.32		NP-8	L, SIL	ML	A-4
	6-42	4.5-6.0	.37		7-14	SICL, SIL, L	ML	A-4, A-6, A-7
	42-60	4.5-6.0	.32		NP-7	SL, L	SM, ML, SM-SC, CL-ML	A-2, A-4
CHOWAN	0-3	3.5-6.0	.32	D	4-24	SIL	CL-ML, MH, ML	A-4, A-6, A-7-5
	3-74	3.5-6.0	.32		6-30	L, SIL, SICL	CL, MH, ML	A-4, A-6, A-7-5
	74-99	3.5-5.0				SP	PT	
CHRISTIAN	0-5	3.6-5.5	.32	C	12-30	CL	CH, CL	A-6, A-7
	5-36	3.6-5.5	.28		14-37	SICL, SIC, C	CH, CL, MH, ML	A-7
	36-40					VAR		
CHRYSLER	0-7	4.5-5.5	.28	C	NP-7	FSL, L, SL	SM, ML	A-4
	0-7	4.5-5.5	.37		5-20	SIL	CL, CL-ML	A-4, A-6
	7-72	4.5-5.5	.32		15-35	SICL, SIC, C	CL, ML, CH, MH	A-7
	72-96					VAR		

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural Classification -----		
				Group	P. I.	USDA	Unified	AASHTO
CLARENDON	0-15	4.5-6.5	.15	C	NP-3	LS, LFS, S	SM, SP-SM	A-2
	0-15	4.5-6.5	.20		NP-10	SL, FSL	SM, SC, SM-SC	A-2, A-4
	15-40	4.5-5.5	.20		5-15	SCL	SC, CL, SM-SC, CL-ML	A-4, A-6
	40-80	4.5-5.5	.15		NP-15	SCL, SL, SC	SC, CL, SM-SC, CL-ML	A-2, A-4, A-6
CLARKSVILLE	0-7	3.6-5.5	.28	B	0-30	GR-SICL	SM, CL-ML, GM, ML	A-1-B, A-2 A-4
	7-30	3.6-5.5	.24		20-38	GR-SICL, GR-SIL, ST-SIL	GC, GC-GM, SC, SC-SM	A-1, A-2, A-4 A-6
	30-60	3.6-6.5	.24		26-42	GR-SICL, GR-CL, GRV-SIL	GC, GM, SC, SM	A-2
CLOUDLAND	0-22	4.5-5.0	.28	C	NP-7	FSL, SL	SM, ML, CL-ML, SM-SC	A-2-4, A-4
	0-22	4.5-6.0	.37		NP-7	L, SIL	CL-ML, ML	A-4
	22-36	4.5-5.5	.32		4-20	L, CL, SICL	CL, CL-ML	A-6, A-4 A-7-6
	36-62	4.5-5.5	.28		4-20	L, CL, SICL	CL, CL-ML	A-6, A-4 A-7-6
CLYMER	0-4	4.5-5.5	.20	D	0-7	ST-FSL	GM, ML, SM	A-2-4, A-4
	4-35	4.5-5.5	.28		0-10	ST-SCL, ST-CL, ST-SIC	CL-ML, GM, ML, SM	A-2-4, A-4
	35-80					UWB		
COLBERT	0-8	4.5-6.5	.32	D	7-25	SIL, L	CL	A-4, A-6, A-7
	0-8	4.5-6.5	.37		NP-15	L, SIL	ML, CL, CL-ML	A-4, A-6
	8-26	4.5-6.5	.32		15-35	SICL, SIC, C	CL, CH, ML, MH	A-6, A-7
	26-44	4.5-6.5	.32		25-50	SIC, C	MH, CH	A-7
	44-55	6.1-7.8	.32		25-50	SICL, SIC, C	CL, CH	A-7
	55-59					UWB		
COLFAX	0-12	4.5-5.5	.17	C	NP-10	SL, FSL	SM, SM-SC	A-2, A-4
	0-12	4.5-5.5	.32		NP-10	L, SIL	ML, CL, CL-ML	A-4
	12-30	4.5-5.5	.28		7-25	SCL, CL, L	SC, CL	
	A-4, A-6, A-7-6							
	30-46	4.5-5.5	.28		NP-20	SL, FSL, CL	ML, CL, SM, SC	A-2, A-4, A-6
	46-50	4.5-5.5	.28		NP-10	SL	SM, SC, SM-SC	A-2, A-4
50-54					WB			
COLUMBUS	0-6	4.5-5.5	.37	C	3-10	SIL, L	ML, CL-ML, CL	A-4
	6-52	4.5-5.5	.20		8-15	CL, L, SCL	CL, SC	A-4, A-6
	52-76	4.5-5.5	.17		NP-4	SL, LS, S	SM, SP-SM	A-2, A-4
COMPASS	0-16	4.5-5.5	.15	B	NP	LS, LFS	SM	A-2-4
	16-33	4.5-5.5	.20		NP-3	SL, FSL	SM	A-2-4
	33-57	4.5-5.5	.28		NP-15	SL, FSL, SCL	SM, SM-SC, SC	
	A-2-4, A-2-6, A-6							
	57-74	4.5-5.5	.24		11-23	SC, C	SC, CL	A-6, A-7
CONASAUGA	0-4	3.6-6.0	.37	C	12-28	SICL, CL	CL	A-6, A-7
	0-4	3.6-6.0	.43		NP-8	SIL, L	CL-ML, ML, CL	A-4
	4-10	3.6-6.0	.32		4-15	SIL, SICL, CL	CL-ML, CL	A-4, A-6
	10-19	3.6-6.0	.32		18-35	SICL, SIC, C	CL, CH	A-7
	19-30	3.6-6.5	.32		23-40	C, SIC	CL, CH, MH	A-7
	30-60					WS		
CONECUH	0-5	3.6-5.5	.15	D	NP	LS, LFS	SM	A-2, A-4
	0-5	3.6-5.5	.28		NP-5	SL, FSL, SCL	SM, ML, CL-ML, SM-SC	A-4
	0-5	3.6-5.5	.37		5-15	L, SIL	CL-ML, CL	A-4, A-6
	5-9	3.6-5.5	.32		10-30	CL, C, SICL	ML, MH, CL, CH	A-7, A-6
	9-50	3.6-5.5	.32		15-35	C, SIC	ML, MH, CH	A-7
	50-63					VAR		
CONGAREE	0-8	4.5-7.3	.24	B	NP-7	FSL, SL	SM, SM-SC	A-2, A-4
	0-8	4.5-7.3	.37		3-10	L, SIL	CL-ML, ML, CL	A-4
	8-38	4.5-7.3	.37		3-22	SICL, FSL, L	SC, ML, CL, SM	A-4, A-6, A-7
	38-80					VAR		

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.			-----Textural Classification -----	
				Group	P. I.	USDA	Unified	AASHTO
CONSUL	0-6	4.5-6.0	.32	D	23-40	C	CH,MH	A-7
	6-52	4.5-6.0	.28		25-60	C	CH,MH	A-7
	52-65	4.5-7.8	.28		25-60	C	CH,MH	A-7
COROLLA	0-72	5.6-7.8	.10	D	NP	S,FS	SW,SP-SM,SP	A-2,A-3
COTACO- BARBOURVILLE	0-10	4.5-6.0	.37	C	3-15	L	CL,CL-ML,ML	A-4,A-6
	10-28	4.5-6.0	.32		8-20	L,SIL,SICL	CH,CL,MH,ML	A-4,A-6,A-7
	28-60	4.5-6.0	.24		0-8	SR-SL SICL	CL,ML,SC,SM	A-2-4,A-4
COWARTS	0-8	4.5-5.5	.10	C	NP	GR-LS,GR-LFS	SM	A-2
	0-8	4.5-5.5	.20		NP-5	GR-SL,GR-FSL	SM,SM-SC	A-2,A-4
	8-19	4.5-5.5	.28		NP-15	FSL,SL,SCL	SM-SC,SC,SM	A-2,A-4,A-6
	19-25	4.5-5.5	.28		11-25	SCL,SC,CL	SM,SC	A-6,A-7,A-2-6
	25-60	4.5-5.5	.24		5-20	SL,SCL,CL	SM-SC,SC,CL-ML,CL	A-2,A-4 A-6,A-7
COWARTS	0-8	4.5-5.5	.15	C	NP	LS,LFS	SM	A-2
	0-8	4.5-5.5	.24		NP-5	FSL,SL	SM,SM-SC	A-2,A-4
	8-19	4.5-5.5	.28		5-15	FSL,SL,SCL	SM-SC,SC	A-2,A-4,A-6
	19-25	4.5-5.5	.28		11-23	SCL,SC,CL	SM,SC	A-6,A-7,A-2-6
	25-60	4.5-5.5	.28		5-20	SL,SCL,CL	SM-SC,SC,CL-ML,CL	A-2,A-4 A-6,A-7
COXVILLE	0-11	3.6-5.5	.24	D	3-15	FSL,SL,L	SM,ML,CL-ML,CL	A-4,A-6,A-7
	11-72	3.6-5.5	.32		12-35	CL,SC,C	CL,CH	A-6,A-7
	72-80					VAR		
CRAVEN	0-9	3.6-5.5	.37	C	15-35	CL,SICL	CL,CH	A-6,A-7
	0-9	3.6-6.5	.32		NP-15	L,FSL,SIL	ML,CL,SM,SC	A-4,A-6
	9-54	3.6-5.5	.32		24-43	C,SIC,SICL	CH	A-7
	54-80	3.6-5.5	.32		NP-15	SCL,SL,LS	SM,SM-SC,SC	A-2,A-4,A-6
CROSSVILLE	0-8	4.5-5.5	.28	B	NP-7	L,SL,SIL	ML,CL-ML,SM,SM-SC	A-4
	8-27	4.5-5.5	.20		4-12	L,CL,SCL	CL,CL-ML,SM-SC,SC	A-4,A-6,A-2
	27-30	4.5-5.5	.20		NP-5	SL,LS,S	SM-SC,SM	A-2,A-4
CREVASSE	0-10	5.6-8.4	.15	A	NP	S,FS	SP-SM,SM	A-2-4,A-3
	0-10	5.6-8.4	.17		NP	LFS,LS	SM	A-2
	10-60	5.6-8.4	.15		NP	S,LS,LFS	SP-SM,SM	A-2,A-3
CUMBERLAND	0-8	5.1-6.0	.32	B	8-17	CL,SICL	CL,ML	A-4,A-6,A-7
	0-8	5.1-6.0	.37		3-12	SIL,L	ML,CL-ML,CL	A-4,A-6
	8-14	5.1-6.0	.37		8-17	CL,SICL	CL,ML	A-4,A-6,A-7
	14-48	5.1-6.0	.24		8-35	C,CL,SICL	ML,MH,CH	A-5,A-7
	48-64	5.1-6.5	.24		8-36	C,CL	ML,MH,CH	A-5,A-7
DAVIDSON	0-7	4.5-6.5	.28	B	3-15	L	CL,CL-ML,ML	A-4,A-6
	0-7	4.5-6.5	.28		5-18	CL,SCL	CL,SC,CL-ML,SM-SC	A-6,A-4
	7-12	4.5-6.0	.32		11-25	CL	CL	A-6
	12-53	4.5-6.0	.24		12-33	C	CL,CH,ML,MH	A-7,A-6
	53-72	4.5-6.0	.28		7-30	C,CL,SCL	CL,ML,MH	A-4,A-6,A-7
DECATUR	0-7	4.5-6.0	.28	B	8-22	SIC,C	ML,CL	A-4,A-6,A-7
	0-7	4.5-6.0	.32		NP-12	L,SIL	CL,ML,CL-ML	A-4,A-6
	0-7	4.5-6.0	.32		7-18	SICL	CL,ML	A-4,A-5,A-6
	7-20	4.5-6.0	.28		8-22	SICL,SIC,C	ML,CL	A-7,A-4 A-6,A-5
	20-72	4.5-6.0	.24		11-28	C	CL,ML,MH,CH	A-7,A-6
DEERFORD	0-10	4.5-6.5	.49	D	NP-7	SIL,SL	ML,CL-ML	A-4
	10-49	5.1-8.4	.49		11-25	SICL,SIL	CL	A-6,A-7-6
	49-80	6.6-8.4	.49		5-25	SIL,SICL	CL,CL-ML	A-6,A-4,A-7-6
DELLROSE	0-8	4.5-6.0	.24	B	5-15	CR-SIL,CR-L	CL-ML,SC,CL,GC	A-4,A-6
	8-54	4.5-6.0	.24		8-18	CR-SICL,CR-SIL	ML,CL,GC,SC	A-4,A-6,A-7
	54-70	4.5-6.0	.24		20-35	C	MH,CH	A-7

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr. Group	P. I.	-----Textural USDA	Classification Unified	----- AASHTO
DEMOPOLIS	0-5	7.4-8.4	24	D	12-20	CB-SIL,CB-L,CB-SICL	CL	A-6, A-7-6
	5-12	7.4-8.4	24		7-15	CB-L,CB-CL,CBV-SICL	GC,GP-GC	A-2
	12-60					WB		
DEMOPOLIS	0-6	7.4-8.4	.20	C	4-14	CN-L,CN-CL,CN-SICL	GC,GM-GC,GP-GC	A-2, A-1
	0-6	7.4-8.4	.37		6-20	L,CL,SICL	CL,CL-ML	A-4, A-6, A-7
	0-6	7.4-8.4	.43		6-20	SIL	CL,CL-ML	A-4, A-6
	6-13	7.4-8.4	.32		4-14	CN-L,CN-CL,CNX-SICL	GC,GM-GC,GP-GC	A-2, A-1
	13-65					WB		
DEWEY	0-6	4.5-5.5	.28	B	12-20	SICL,SIC,C	CL	A-6
	0-6	4.5-5.5	.32		5-11	SIL,L	CL-ML,CL	A-4, A-6
	6-25	4.5-5.5	.24		12-20	C,SIC,SICL	CL	A-6
	25-50	4.5-5.5	.24		12-34	C,SIC	CH,CL,MH,ML	A-6, A-7
	50-72	4.5-5.5	.24		12-34	C,SIC,CR-C	CH,CL,MH,ML	A-6, A-7
DICKSON	0-7	4.5-5.5	.43	C	2-7	SIL	CL-ML,ML	A-4
	7-25	4.5-5.5	.43		5-17	SIL,SICL	CL-ML,CL	A-4, A-6
	25-45	4.5-5.5	.43		7-20	SIL,SICL	CL,CL-ML	A-4, A-6, A-7
	45-65	4.5-5.5	.28		12-30	C,CR-SICL,CR-C	MH,ML,GC,CL	A-6, A-7
DOCENA	0-4	4.5-6.0	.28	C	4-20	FSL,SL	SM,ML	A-4
	0-4	4.5-6.0	.32		NP-7	SIL,L	ML,CL,CL-ML	A-4, A-6
	4-40	4.5-6.0	.28		5-16	SIL,SICL	ML,CL	A-4, A-6, A-7
	40-58	4.5-6.0	.32		6-25	SIL,SICL,L	ML,CL,MH	A-4, A-6, A-7
	58-65					VAR		
DOGUE	0-10	3.5-5.5	.37	C	NP-10	L,SIL,VFSL	ML,CL,SM,SC	A-4
	0-10	3.5-5.5	.28		NP-10	FSL,SL	SM,SC,SC-SM	A-2, A-4
	10-47	3.5-5.5	.28		16-40	CL,C,SC	CL,CH,SC	A-6, A-7
	47-65	3.5-5.5	.17		NP-10	SR-S-SCL	SM,SC,SP-SM,SC-SM	A-2, A-4, A-1
DOROVAN	0-3	3.6-4.4		D		MPT,MUCK	PT	-
	3-74	3.6-4.4				MUCK	PT	-
	74-99	4.5-5.5			NP-7	S,LS,L	SP-SM,SM-SC,SM	A-1, A-3 A-4, A-2-4
DOTHAN	0-13	4.5-6.0	.15	B	NP	LS,LFS	SM	A-2
	0-13	4.5-6.0	.24		NP-5	FSL,SL	SM,SP-SM	A-2, A-4
	13-33	4.5-5.5	.28		NP-16	SCL,SL	SM-SC,SC,SM	A-2, A-4, A-6
	33-60	4.5-5.5	.28		5-23	SCL,SC	SM-SC,CL,SC,CL-ML	A-2, A-4 A-6, A-7
DOWELLTON	0-12	5.1-7.3	.32	D	6-15	SIL,SICL	CL-ML,CL,ML	A-4, A-6
	12-16	5.1-7.3	.32		22-40	SIC,C	CL,CH,MH	A-7
	16-48	5.1-7.8	.32		28-40	C	CH,MH	A-7
	48-52					UWB		
DUCKSTON	0-8	3.6-8.4	10	A/D	NP	S,FS	SP-SM,SP	A-2, A-3
	8-80	3.6-8.4	10		NP	S,FS	SP-SM,SP	A-2, A-3

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr. Group	P.1.	USDA	Textural Classification	Unified	AASHTO
DULAC	0-6	4.5-5.5	.43	C	15-25	SICL		CL	A-6, A-7
	0-6	4.5-5.5	.49		2-7	SIL		ML, CL-ML	A-4
	6-23	4.5-5.5	.43		11-25	SIL, SICL		CL	A-6, A-7
	23-37	4.5-5.5	.43		11-25	SIL, SICL		CL	A-6, A-7
	37-72	4.5-5.5	.20		25-50	C, SIC		CH, MH	A-7
DUNBAR	0-8	4.5-5.5	.32	D	NP	LS, LFS		SM, SP-SM	A-2, A-3
	0-8	4.5-5.5	.32		3-15	SL, FSL, L		SM-SC, SC, SM	A-2-4
	8-14	4.5-5.5			8-22	L, SCL, CL		CL-ML, CL, SC	A-4, A-6
	14-80	4.5-5.5			12-25	SC, CL, C		CL, CH, ML, MH	A-6-7
DUNDEE	0-5	4.5-6.0	.17	C	NP	LS, SL		SM	A-2-4
	0-5	4.5-6.0	.37		NP-7	FSL, L, VFSL		ML, CL-ML	A-4
	0-5	4.5-6.0	.43		3-11	SIL, SICL		CL, CL-ML, ML	A-4, A-6
	5-29	4.5-6.0	.32		12-22	SICL, CL, SCL		CL	A-6, A-7
	29-60	4.5-7.3	.37		NP-8	L, VFSL, SIL		CL, CL-ML, ML	A-4
DUNNING	0-5	6.1-8.4	.32	D	10-24	SIC		MH, ML	A-6, A-7
	5-45	6.1-8.4	.32		18-34	SIC, C		CH, CL	A-7
	45-49					UWB			
DURHAM	0-16	4.5-6.0	.17	B	NP-3	LCOS, LS		SM	A-2
	0-16	4.5-6.0	.24		NP-7	SL, FSL		SM, SM-SC	A-2, A-4
	16-36	4.5-5.5	.20		10-25	SCL, CL		SC, CL	A-2, A-6, A-7
	36-42	4.5-5.5	.20		13-28	CL, SC, SCL		SC, CL	A-6, A-7
	42-48	4.5-5.5	.20		NP-10	SCL, SL		SM, SC, SM-SC	A-2, A-4
	48-60	4.5-5.5	.17		NP-7	LS, SL, SCL		SM, SM-SC	A-2, A-4
EGAM	0-22	5.6-7.3	.32	C	4-20	SICL, SIL, L		CL, ML, CL-ML	A-6, A-7, A-4
	22-56	5.6-7.3	.32		15-30	SIC, SICL, C		CL, MH, CH	A-7, A-6
	56-75	5.6-8.4	.37		8-30	SICL, C, SL		CL, ML, CH, CH	A-4, A-6, A-7
ELLISVILLE	0-6	4.5-6.0	.37	B	4-15	SICL, SIL, L		CL, CL-ML, SC, SM-SC	A-6, A-4
	6-75	4.5-6.0	.32		8-15	SIL, SICL		CL	A-6, A-4
EMORY	0-8	5.1-6.0	.37	B	4-15	SIL, SICL		CL, ML, CL-ML	A-4, A-6
	8-42	5.1-6.0	.37		4-15	SIL, SICL		CL, ML, CL-ML	A-4, A-6
	42-60	5.1-6.0	.37		9-20	SICL, SIL, SIC		CL	A-4, A-6, A-7
EMPORIA	0-15	4.5-6.0	.28	C	NP-15	L, FSL, SL		CL, SC, SM, ML	A-2, A-4, A-6
	0-15	4.5-6.0	.28		NP-7	LFS, LS		SM, SM-SC	A-2, A-1, A-4
	15-32	4.5-6.0	.28		8-30	SCL, SL, CL		SC, CL	A-2, A-4
									A-6, A-7
	32-57	4.5-6.0	.20		8-30	SCL, CL, SC		SC, CL, CH	A-2, A-4
								A-6, A-7	
	57-70	4.5-6.0	.20		NP-25	SR-SL-CL		SM, SC, ML, CL	A-1, A-2
									A-4, A-6
ENDERS	0-5	3.6-5.5	.32	C	2-10	GR-FSL, GR-L, GR-SIL		ML, SM, SM-SC, CL-ML	A-2, A-4
	0-5	3.6-5.5	.37		2-10	FSL, L, SIL		ML, SM, SM-SC, CL-ML	A-4
	5-8	3.6-5.5	.43		11-17	CL, SICL, L		CL	A-6
	8-39	3.6-5.5	.37		35-45	SIC, C		CH	A-7
	39-46	3.6-5.5	.37		35-45	SIC, SH-SIC		CH	A-7
	46-62					WB			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		USDA	-----Textural	Classification -----	
				Group	P. I.			Unified	AASHTO
ENNIS	0-10	4.5-6.0	.28	B	NP-12	CR-L,CR-SL,CR-SIL	CL-ML,ML,SM,GM	A-4,A-6	
	10-60	4.5-6.0	.28		NP-15	CR-L,CR-CL,CR-SIL	ML,SM,GM,CL-ML	A-4,A-6,A-2	
ENOREE	0-7	5.1-7.3	.17	D	NP-7	LS	SM,SM-SC	A-2	
	0-7	5.1-7.3	.20		NP-7	SL,FSL	SM,SM-SC	A-2,A-4	
	0-7	5.1-7.3	.32		2-20	SIL,L,SICL	CL,ML,CL-ML	A-4,A-6,A-7	
	7-27	5.1-7.3	.20		NP-10	SL,L,SCL	SM,SM-SC,ML,CL-ML	A-2,A-4	
	27-50	5.1-7.3	.20		NP-10	SL,L,LS	SM,SM-SC,ML,CL-ML	A-2,A-4	
ESCAMBIA	0-13	3.6-5.5	.24	C	NP-7	FSL,VFSL,SL	SM,SM-SC,ML,CL-ML	A-4	
	0-13	3.6-5.5	.32		NP-7	L,SIL	CL-ML,ML,SM,SM-SC	A-4	
	13-35	3.6-5.5	.24		4-15	FSL,L,SIL	SC,SM-SC,CL,CL-ML	A-4,A-6	
	35-72	3.6-5.5	.28		4-20	FSL,L,SIL	SC,CL,SM-SC,CL-ML	A-4,A-6	
ESTO	0-8	3.6-5.5	.17	B	NP	LS,LFS	SM,SP-SM	A-2	
	0-8	3.6-5.5	.28		NP-6	FSL,SL,L	SM,SM-SC,ML,CL-ML	A-4,A-2	
	8-13	3.6-5.5	.32		12-25	CL,SC,SCL	CL,SC	A-6,A-7	
	13-62	3.6-5.5	.32		18-52	CL,C,SC	CL,CH	A-7	
ETOWAH	0-7	4.5-5.5	.32	B	10-15	SICL,CL	CL	A-6	
	0-7	4.5-5.5	.32		5-12	CR-SIL,CR-L,CR-SICL	CL-ML,ML,CL	A-4,A-6	
	0-7	4.5-5.5	.37		3-10	SIL,L,FSL	ML,CL,SM-SC,CL-ML	A-4	
	7-38	4.5-5.5	.32		10-15	SICL,CL,SIL	CL	A-6	
	38-70	4.5-5.5	.32		15-25	SICL,CL,C	CL,ML,MH	A-6,A-7	
EULONIA	0-13	4.5-6.5	.15	C	NP-4	LS,LFS	SM,SM-SC		
	0-13	4.5-6.5	.24		NP-10	SL,FSL	SM,SC,SM-SC	A-2,A-4	
	13-48	4.5-6.5	.24		8-37	SC,C,CL	SC,CL	A-6,A-7,A-4	
	48-58	4.5-6.0	.20		3-15	SCL,SL	SC,SM,SM-SC	A-2,A-4,A-6	
	58-80					VAR			
EUNOLA	0-10	4.5-5.5	.15	C	NP	LS,LFS,FS	SM,SP-SM	A-2,A-4	
								A-2-4	
	0-10	4.5-5.5	.20		NP	SL,FSL	SM	A-2,A-4	
	10-26	4.5-5.5	.28		NP-1!	SCL,CL,FSL	SM,SC,SM-SC,CL	A-4,A-2,A-6	
	26-52	4.5-5.5	.32		2-15	SCL,SC,CL	SM,SC,ML,CL	A-4,A-6	
	52-56	4.5-5.5	.24		NP-1i	SL,SCL	SM,SC,SM-SC	A-2,A-4	
56-65	4.5-5.5	.20		NP	S,LS,FS	SM,SP-SM	A-2,A-3		
EUSTIS	0-6	4.5-5.5	.10	A	NP	LS,LFS	SP-SM,SM	A-3,A-2-4	
	0-6	4.5-5.5	.10		NP	S,FS	SP-SM,SM	A-3,A-2-4	
	6-24	4.5-5.5	.17		NP	S,FS,LFS	SP-SM,SM	A-3,A-2-4	
	24-76	4.5-5.5	.17		NP	LFS,LS	SM	A-2-4	
	76-98	4.5-5.5	.17		NP	S,FS	SP-SM	A-3,A-2-4	
EUTAW	0-9	4.5-6.0	.32	D	23-40	SIC,C	CH,MH	A-7	
	0-9	4.5-6.0	.37		23-32	SICL	CH,MH	A-7	
	9-58	4.5-6.0	.28		25-60	C	CH,MH	A-7	
	58-80	4.5-7.8	.28		25-60	C	CH,MH	A-7	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.			-----Textural		Classification----	
			K	Group	P. I.	USDA	Unified	AASHTO	
FACEVILLE	0-5	4.5-5.5	.17	B	NP	LS, LFS	SM	A-2	
	0-5	4.5-5.5	.28		NP-7	SL, FSL	SM, SM-SC	A-2, A-4	
	0-5	4.5-5.5	.32		NP-7	SCL	SM, CL-ML, ML, SM-SC	A-4	
	5-11	4.5-5.5	.37		NP-13	SCL, SC	SC, ML, CL, SM	A-4, A-6	
	11-72	4.5-6.0	.37		11-25	SC, C, CL	CL, SC, CH, ML	A-6, A-7	
FALAYA	0-50	4.5-5.5	.49	D	NP-10	SIL, SI	ML, CL-ML, CL	A-4	
	50-65	4.5-5.5	.43		7-16	SIL, SICL	ML, CL	A-4, A-6, A-7	
FALKNER	0-6	4.5-6.0	.43	C	11-20	SICL	CL	A-6, A-7	
	0-6	4.5-6.0	.49		5-10	SIL	CL-ML, CL	A-4	
	6-21	4.5-6.0	.43		15-30	SIL, SICL	CL	A-6, A-7	
	21-65	4.5-6.5	.24		30-50	SIC, C	CH	A-7	
FAUNSDALE	0-2	6.6-8.4	.37	D	23-33	CL, SICL	CL, CH	A-7	
	0-2	6.6-8.4	.37		33-49	SIC, C	CH	A-7	
	2-14	6.6-8.4	.37		30-49	CL, SICL, SIC	CH	A-7	
	14-36	6.6-8.4	.32		30-49	CL, SICL, SIC	CH	A-7	
	36-49	6.6-8.4	.32		33-49	SIC, C	CH	A-7	
	49-65	6.6-8.4	.32		33-49	SIC, C, GR-SIC	CH	A-7	
FIRESTONE	0-5	4.5-5.5	.32	C	2-15	GR-SIL, GR-L	ML, CL-ML, CL	A-4, A-6	
	0-5	4.5-5.5	.37		2-15	SIL, L	ML, CL-ML, CL	A-4, A-6	
	5-9	4.5-5.5	.32		5-30	SICL, CL, SIC	CL, ML, CH, MH	A-6, A-7, A-4	
	9-32	4.5-5.5	.32		25-5	C	MH, CH	A-7	
	32-36	4.5-6.0	.32		20-45	C, SIC	MH, CH	A-7	
	36-60					WB			
FLOMATON	0-9	4.5-6.0	.10	A	NP-4	GR-LS, GR-S	GM, GP-GM, SM, SP-SM	A-1	
	0-9	4.5-6.0	.10		NP-4	GRV-LS, GRV-S	GM, GP-GM, SM, SP-SM	A-1	
	9-72	4.5-6.0	.17		NP-7	GRV-LS, GR-LS, GR-SL	GP, GM-GC, SM-SC, GM	A-1, A-2	
FLORALA	0-8	4.5-5.5	.17	C	NP	LS, LFS	SM	A-2-4	
	0-8	4.5-5.5	.20		NP-7	FSL, SL	SM, SM-SC	A-2, A-4	
	8-36	4.5-5.5	.24		NP-7	FSL, SL	SM	A-2, A-4	
	36-72	4.5-5.5	.28		4-15	FSL, SL, SCL	SC, SM-SC	A-4, A-6	
FORESTDALE	0-6	4.5-6.0	.37	D	12-30	SICL	CL, CH	A-6, A-7	
	0-6	4.5-6.0	.43		5-15	SIL, VFSL, L	CL, CL-ML	A-4, A-6	
	6-26	4.5-6.0	.28		20-40	SIC, C, SICL	CH, CL	A-7	
	26-60	4.5-7.8	.37		5-30	SICL, SIL, VFSL	CL, CL-ML	A-6, A-7, A-4	
FREEMANVILLE	0-10	5.1-6.0	.24	B	NP-5	FSL, L, SL	SM, SP-SM	A-1, A-2, A-4	
	10-17	5.1-6.0	.28		4-15	L, CL, SCL	SC, CL, CL-ML, SM-SC	A-4, A-6	
	17-72	4.5-5.5	.28		11-25	C, CL, SC	SC, CL	A-6, A-7	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification -----	
				Group	P. I.	USDA	Unified	AASHTO	
FREEST	0-6	4.5-5.5	.28	C	NP-8	SL,FSL,L	SM,CL,ML,CL-ML	A-4	
	6-15	4.5-6.0	.32		7-20	L,SCL	CL	A-4,A-6	
	15-8	4.5-7.3	.28		20-30	CL,C,SIC	CL,CH	A-7	
FRIPP	0-5	5.1-7.8	.10	A	NP	FS,S	SP,SP-SM	A-3	
	5-80	5.6-7.8	.10		NP	FS,S	SP,SP-SM	A-3	
FRUITHURST	0-10	4.5-5.5	.24	C	NP-7	GR-L,GR-SL,GR-LS	SM,ML,CL-ML	A-4	
	0-10	4.5-5.5	.28		NP-7	GR-SIL	ML,CL-ML	A-4	
	10-39	4.5-5.5	.32		11-25	L,CL	ML,CL	A-6,A-7	
	39-50					WB			
FRUITHURST	0-10	4.5-5.5	.28	C	NP-7	L,FSL,SL	ML,CL-ML,SM,SM-SC	A-4	
	0-10	4.5-5.5	.32		NP-7	SIL	ML,CL-ML	A-4	
	10-39	4.5-5.5	.32		11-25	L,CL	ML,CL	A-6,A-7	
	39-50					WB			
FULLERTON	0-15	4.5-5.5	.24	B	3-17	CR-SICL	CL,ML,SC,GC	A-2,A-6,A-4	
	0-15	4.5-5.5	.28		3-10	CR-SIL,CR-L,CR-FSL	GM-GC,CL-ML,CL,GC	A-2,A-4	
	15-19	4.5-5.5	.24		8-17	CR-SICL	CL,GC,SC,ML	A-2,A-4	
	19-90	4.5-5.5	.20		20-42	CR-C,CR-SIC	MH,ML,GM,SM	A-6,A-7	
FUOUAY	0-34	4.5-6.0	.10	B	NP	S,FS	SP-SM,SM	A-1,A-2,A-3	
	0-34	4.5-6.0	.15		NP	LS,LFS	SP-SM,SM	A-2,A-3	
	34-45	4.5-6.0	.20		NP-13	SL,FSL,SCL	SM,SC,SM-SC	A-2,A-4,A-6	
	45-96	4.5-6.0	.20		4-12	SCL	SC,SM-SC,CL-ML	A-2,A-4,A-6	
	96-99					VAR			
GARNER	0-5	5.6-7.8	.32	D	18-37	CL,C	CL,CH	A-6,A-7-6	
	5-65	5.6-8.4	.32		31-51	C	CH	A-7-6	
GAYLESVILLE	0-14	3.6-6.0	.37	D	8-15	SICL,SIL,L	CL,ML	A-4,A-6,A-7	
	0-14	5.6-7.3	.37		NP-7	SIL,L,FSL	ML,CL-ML	A-4	
	14-33	3.6-6.0	.28		11-20	SIC,C,CL	CL,ML	A-6,A-7	
	33-72	3.6-6.0	.28		20-35	SIC,C	CL,CH	A-7	
GEORGEVILLE	0-6	4.5-6.0	.43	B	NP-11	SIL,L,VFSL	ML	A-4,A-6	
	0-6	4.5-6.0	.49		11-20	SICL,CL	CL,ML	A-6,A-7	
	6-10	4.5-5.5	.32		8-20	SICL,CL	CL,ML	A-6,A-7,A-4	
	10-53	4.5-5.5	.28		15-35	C,SIC,SICL	MH,ML	A-7	
	53-63	4.5-5.5	.32		NP-12	SICL,L,SIL	ML,CL,CL-ML	A-4,A-6	
GEORGEVILLE	0-6	4.5-6.0	.24	B	NP-10	GR-L,GR-SIL,GR-VFSL	GM,ML,SM	A-4	
	0-6	4.5-6.0	.24		NP-5	SY-SIL,SY-L,SY-VFSL	ML	A-4	
	6-10	4.5-5.5	.32		8-20	SICL,CL	CL,ML	A-6,A-7,A-4	
	10-53	4.5-5.5	.28		15-35	C,SIC,SICL	MH,ML	A-7	
	53-63	4.5-5.5	.32		NP-12	SICL,L,SIL	ML,CL,CL-ML	A-4,A-6	
GILEAD	0-5	4.5-5.5	.17	C	NP	LS,GR-LS	SP-SM,SM	A-2	
	0-5	4.5-5.5	.20		NP-4	SL,GR-SL	SM	A-2,A-4	
	5-8	4.5-5.5	.24		4-16	SL,SCL	SM-SC,SC	A-2,A-4	
								A-6	
	8-42	4.5-5.5	.28		18-30	SC,CL,C	SC,CL	A-6,A-7	
	42-72	4.5-5.5	.24		11-20	SL,SCL	SC,CL	A-2,A-6	
72-80					VAR				

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification -----	
				Group	P. I.	USDA	Unified	AASHTO	
GOLDSBORO	0-15	3.6-5.5	.17	B	NP	LS, LFS	SM	A-2	
	0-15	3.6-6.0	.20		NP-14	SL, FSL	SM, SM-SC, SC	A-2, A-4, A-6	
	15-45	3.6-5.5	.24		4-18	SCL, SL	SM-SC, SC, CL-ML, CL	A-2, A-4, A-6	
	45-65	3.6-5.5	.24		6-32	SCL, CL, SC	SC, CL, CL-ML, CH	A-4, A-6, A-7-6	
	65-76					VAR			
GORGAS	0-6	4.5-6.5	.15	D	NP-7	LS	SM-SC, SM, ML, GM	A-4, A-2-4 A-1-B	
	0-6	4.5-6.5	.20		NP-7	SL, FSL, L	SM, ML, SM-SC, CL-ML	A-4, A-2	
	6-14	4.5-5.5	.17		NP-7	SL, GR-SL, L	SM, ML, GM, GM-GC	A-4, A-2	
	14-18					UWB			
GRADY	0-5	3.6-5.5	.10	D	NP-10	SL, FSL	SM, SM-SC	A-2, A-4	
	0-5	3.6-5.5	.10		NP-10	SL, FSL, FSL	SM, SM-SC, SC	A-2, A-4	
	0-5	3.6-5.5	.24		NP-15	L, CL	ML, CL-ML, CL	A-4, A-6	
	5-11	3.6-5.5	.10		11-20	CL, SCL, L	CL	A-6	
	11-62	3.6-5.5	.10		12-24	C, SC	CL, CH, MH	A-6, A-7	
GRASMERE	0-20	4.5-6.0	.32	B	11-20	SICL, SIC	ML, CL	A-6, A-7	
	20-31	4.5-6.0	.43		11-20	SIL, SICL	ML, CL	A-6	
	31-66	4.5-6.0	.37		13-22	SICL, SIC, C	ML, MH	A-7	
GREENDALE	0-9	5.1-6.5	.32	B	3-12	SIL, L	CL-ML, ML, CL	A-4, A-6	
	0-9	5.1-6.5	.28		3-12	CR-SIL	CL, GC, GM-GC, CL-ML	A-4, A-6	
	9-56	5.1-6.0	.28		3-15	CR-SIL, CR-L, CR-SICL	CL, GC, GM-GC, CL-ML	A-4, A-6	
GREENVILLE	0-9	4.5-6.0	.15	B	NP	LS, LFS	SM, SP-SM	A-2	
	0-9	4.5-6.0	.24		NP-10	SL, FSL	SM, SC, SM-SC, CL-ML	A-2, A-4	
	0-9	4.5-6.0	.24		6-15	L, SCL, CL	CL, SC, CL-ML, SM-SC	A-4, A-6	
	9-80	4.5-6.0	.17		7-25	CL, SC, C	CL, SC, ML	A-6, A-7, A-4	
GRITNEY	0-7	4.5-5.5	.15	C	NP	LS, LFS	SP-SM, SM	A-2-4	
	0-7	4.5-5.5	.20		NP-6	SL, FSL	SM, SM-SC	A-2-4, A-4	
	7-12	4.5-5.5	.32		15-25	SCL, SC, CL	SC, CL	A-6, A-7	
	12-31	4.5-5.5	.32		22-40	SC, C, CL	CH, CL, SC	A-7	
	31-50	4.5-5.5	.28		20-35	SCL	CH, CL, SC	A-7	
	50-68					VAR			
GROVER	0-9	4.5-6.5	.24	B	NP-10	SL, FSL, COSL	SM, SM-SC, SC	A-4	
	0-9	4.5-6.5	.28		7-20	SCL	SC, CL	A-4, A-6	
	9-38	4.5-5.5	.20		12-30	SCL, CL	SM, ML, MH	A-6, A-7	
	38-68	4.5-5.5	.32		NP-7	SL, L, SCL	SM, SM-SC	A-4	
GUTHRIE	0-8	3.6-5.0	.43	D	2-7	SIL	ML, CL-ML	A-4	
	8-32	3.6-5.0	.43		5-15	SIL, SICL	ML, CL-ML, CL	A-4, A-6	
	32-53	3.6-5.0	.43		5-20	SIL, SICL	CL, CL-ML	A-4, A-6, A-7	
	53-68	3.6-5.0	.43		4-25	SICL, SIL	CL, CL-ML	A-6, A-7, A-4	
GWINNETT	0-7	5.1-6.5	.17	B	NP-15	GR-SL, GR-SCL	SM, SC, SM-SC	A-2, A-4, A-6	
	0-7	5.1-6.5	.28		NP-12	SL, L	SM, SC, SM-SC, ML	A-2, A-4, A-6	
	0-7	5.1-6.5	.28		4-12	SCL, CL	SC, ML, SM-SC, CL-ML	A-4, A-6	
	7-35	5.1-6.5	.28		16-30	C, SC	MH, ML, CL, CH	A-7, A-6	
	35-45					WB			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		USDA	-----Textural	Classification -----	
				Group	P.1.			Unified	AASHTO
HALSO	0-3	3.6-5.5	.28	D	NP	SL,FSL,L		SM,ML	A-4
	0-3	3.6-5.5	.32		5-15	SIL,CL		CL-ML,CL	A-4,A-6
	3-5	3.6-5.5	.32		10-30	CL,C,SICL		ML,MH,CL,CH	A-7,A-6
	5-33	3.6-5.5	.32		15-35	C,SIC		ML,MH	A-7
	33-48 48-60	3.6-5.5	.24		4-16	CNV-CL,CNV-C,CN-SCL		GC,CL,CL-ML,GM-GC	A-2,A-4,A-6
HAMBLIN	0-6	4.5-7.3	.28	C	NP-5	FSL		SM-SC,SM	A-2,A-4
	0-6	4.5-7.3	.32		3-14	SIL,L		CL,CL-ML,ML	A-4,A-6
	6-45	4.5-7.3	.32		3-17	SIL,L,CL		CL,CL-ML,ML	A-4,A-6
	45-60	4.5-7.3	.32		3-17	SIL,L,CL		CL,CL-ML,ML,GC	A-4,A-6,A-2
HANDEVILLE	0-8	4.5-6.5	.24	B	NP-10	FSL,L,SL		SM,SC,CL,ML	A-4
	8-54	4.5-5.5	.24		11-25	CL,SC,C		CL	A-6,A-7
	54-63	4.5-5.5	.24		5-20	CL,SCL,FSL		CL,CL-ML,ML	A-4,A-6,A-7
	63-90					WB			
HANNON	0-3	5.1-7.3	.32	D	20-30	CL		CL	A-7
	3-18	5.1-7.3	.32		35-50	C,SIC		CH	A-7
	18-30	5.6-7.8	.32		35-50	C,SIC		CH	A-7
	30-45	7.4-8.4	.32		30-45	CL,C,SIC		CH,CL	A-7
	45-65	7.9-8.4	.28		15-30	CL,SR-SLC		CH,CL	A-6,A-7
HARLESTON	0-9	3.6-5.5	.20	C	NP-7	SL,FSL,L		ML,SM,CL-ML,SM-SC	A-2,A-4
	0-9	4.5-5.5	.17		NP	LS,LFS		SM	A-2
	9-60	4.5-5.5	.32		5-10	SL,L		SC,CL,CL-ML,SM-SC	A-2,A-4
	60-T2	4.5-5.5	.32		5-13	SL,L,SCL		SC,CL,CL-ML,SM-SC	A-2,A-4,A-6
HARTSELLS	0-13	3.6-5.5	.20	B	NP-7	SL,FSL		SM,SM-SC	A-2,A-4
	0-13	3.6-5.5	.28		NP-7	L		SM,ML,SM-SC,CL-ML	A-4
	13-30	3.6-5.5	.32		NP-15	FSL,L,SCL		SC,SM,CL-ML,CL	A-4,A-6
	30-36	3.6-5.5	.32		NP-15	SL,L,SCL		SM-SC,SC,CL-ML,CL	A-2,A-4,A-6
	36-40					UWB			
HECTOR	0-6	5.1-6.5	.24	D	NP-7	FSL,L		SM,ML,SM-SC,CL-ML	A-4,A-2
	0-b	5.1-6.5	.10		NP-7	GRV-FSL,GRV-L		GM,GM-GC	A-2,A-1-B
	0-b	5.1-6.5	.17		NP-7	GR-FSL,GR-L		SM,ML,GM,GM-GC	A-4,A-2
	6-15	4.5-5.5	.17		NP-7	FSL,GR-FSL,GR-L		SM,ML,GM,GM-GC	A-4,A-2
	15-19					UWB			
HEIDEL	0-11	4.5-5.5	.17	B	NP-3	LS,LFS		SM	A-2-4
	0-11	4.5-5.5	.20		NP-4	FSL,SL		SM	A-4
	11-46	4.5-5.5	.20		3-7	FSL,SL,L		CL-ML,SM-SC,SM	A-4
	46-80	4.5-5.5	.20		8-15	SCL,FSL,L		CL,SC	A-4,A-6
HELENA	0-12	3.6-6.0	.15	C	NP	LS,LCO		SM	A-1-B
	0-12	3.6-6.0	.24		NP-9	SL,FSL,L		SM,SM-SC,SC	A-2,A-4
	0-12	3.6-6.0	.28		15-25	SCL,CL		CL,SC	A-6,A-7
	12-19	3.6-5.5	.28		15-26	SCL,CL		CL,SC	A-6,A-7
	19-43	3.6-5.5	.28		24-50	CL,SC,C		CH	A-7
	43-60					VAR			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		Textural		Classification	
				Group	P. I.	USDA	Unified	AASHTO	
HELENA	0-12	4.5-6.0	.10	C	NP	GR-LCOS,GR-LS,GR-S	SM,SP-SM,GM,GP-GM	A-1-B	
	0-12	4.5-6.0	.15		NP-9	GR-FSL,GR-L,GR-COSL	SM,SC,GM,GC	A-2,A-4	
	0-12	4.5-6.0	.20		15-25	GR-CL,GR-SCL	CL,SC,GC	A-6,A-7	
	12-19	3.6-5.5	.28		15-26	SCL,CL	CL,SC	A-6,A-7	
	19-43	3.6-5.5	.28		24-50	CL,SC,C	CH	A-7	
	43-60					VAR			
HERMITAGE	0-8	4.5-5.5	.28	B	12-20	SICL	CL	A-6	
	8-26	4.5-5.5	.24		12-20	C,SIC,SICL	CL	A-6	
	26-42	4.5-5.5	.24		12-34	C,SIC	CH,CL,MH,ML	A-6,A-7	
	42-60	4.5-5.5	.24		12-34	C,SIC,GR-C	CH,CL,MH,ML	A-6,A-7	
HERNDON	0-9	4.5-6.5	.24	B	NP-5	ST-L,ST-SIL,ST-VFSL	ML	A-4	
	0-9	4.5-6.5	.49		11-20	SICL	CL,ML	A-6,A-7	
	0-9	4.5-6.5	.43		NP-12	L,SIL,VFSL	ML,CL CL-ML	A-4,A-6	
	9-48	3.6-5.5	.28		13-30	SICL,SIC,C	MH,ML	A-7	
	48-68	3.6-5.5	.32		9-36	SIL,L,FSL	MH,ML	A-7,A-5	
HIWASSEE	0-7	4.5-6.5	.24	B	5-23	GR-CL,GR-L,GR-SCL	CL,ML,CL-ML	A-4,A-6,A-7-6	
	7-61	4.5-6.5	.28		12-36	C,SIC,CL	CL,ML,MH		
	A-6,A-7-5,A-7-6								
	61-70	4.5-6.5	.28		4-20	SL,L,SCL	SM,ML,SM-SC	A-4,A-6,A-7-5	
HIWASSEE	0-7	4.5-6.5	.28	B	NP-7	SL,FSL	SM,SM-SC	A-4,A-2	
	0-7	4.5-6.5	.28		3-23	CL,SCL,L	CL,ML,CL-ML	A-7-6,A-6,A-4	
	0-7	4.5-6.5	.32		4-20	SIL	ML,MH	A-4,A-5,A-6	
	7-61	4.5-6.5	.28		12-36	C,SIC,CL	CL,ML,MH	A-6,A-7-5,A-7	
	61-70	4.5-6.5	.28		4-20	SL,L,SCL	SM,ML,SM-SC	A-4,A-6,A-7-5	
HOLLYWOOD	0-4	6.1-8.4	32	D	11-25	CL,SICL,SIC	CL	A-6,A-7	
	4-72	6.6-8.4	37		25-45	SIC,C	CH	A-7	
	72-80					UWB			
HOLSTON	0-8	4.5-5.5	.28	B	NP-6	L,FSL,SL	ML,CL-ML,SM,SM-SC	A-4,A-2	
	8-44	4.5-5.5	.32		3-10	L,CL,SCL	ML,CL-ML,SM,SM-SC	A-4,A-2	
	44-75	4.5-5.5	.32		7-22	CL,L,GR-CL	ML,CL,GC,SC		
	A-4,A-6,A-7,A-2								
HOULKA	0-8	4.5-5.5	.28	D	25-35	SCL,CL,SICL	CH,CL	A-7	
	0-8	4.5-5.5	.32		32-45	SIC,C	CH,CL	A-7	
	8-60	4.5-5.5	.32		30-50	C,SIC,CL	CH	A-7	
HOUSTON	0-10	6.1-8.4	37	D	23-37	C	CH,MH	A-7	
	10-42	6.1-8.4	32		25-48	C	CH,MH	A-7	
	42-72	6.6-8.4	32		30-45	C	CH,MH	A-7	
HULETT	0-13	4.5-6.0	15	B	NP-7	GR-FSL,GR-SL,GR-L	SM,SM-SC,ML	A-2,A-4	
	0-13	4.5-6.0	32		NP-7	FSL,SL,L	SM,SM-SC,ML	A-2,A-4	
	0-13	4.5-6.0	32		4-17	SCL,CL	ML,CL,CL-ML	A-4,A-6	
	13-36	4.5-5.5	28		14-30	CL,C	MH,ML	A-7	
	36-60					WB			
HUMPHREYS	0-8	4.5-6.0	28	B	3-10	CR-SIL,CR-L,GR-SIL	ML,CL-ML,CL,GM-GC	A-4	
	8-42	4.5-6.0	24		10-16	CR-SICL,CR-CL,GR-SIL	CL,GC,SC	A-6	
	42-60	4.5-6.0	24		8-15	CR-SICL,CR-CL,CRV-CL	CL,GC,SC	A-4,A-6,A-2	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification -----	
				Group	P. I.	USDA	Unified	AASHTO	
HUNTINGTON	0-7	4.5-6.0	.20	B	4-15	FSL	CL, CL-ML, SC, SC-SM	A-4, A-6	
	7-60	4.5-6.0	.32		8-15	SIL, SICL	CL	A-4, A-6	
HYDE	0-17	3.6-5.5	.17	B/D	NP-7	L, SIL, VFSL	ML	A-4	
	0-17	3.6-5.5	.17		2-14	MK-L	OL, ML, CL-ML	A-4, A-6, A-7	
	17-54	3.6-5.5	.43		7-20	CL, L, SICL	CL	A-6, A-4, A-7	
	54-72					VAR			
IREDELL	0-7	5.1-7.3	.24	C/D	2-10	GR-L, ST-L	SM, SC, ML, GM	A-2-4, A-4	
	0-7	5.1-7.3	.28		NP-9	FSL, SL	SM, SM-SC, SC	A-2-4, A-4	
	0-7	5.1-7.3	.32		5-12	L, SIL, CL	ML, CL-ML, CL	A-4, A-6	
	7-24	5.6-7.3	.20		29-85	C	CH	A-7	
	24-27	6.1-7.8	.28		20-39	L, SCL, CL	CL, CH, SC	A-7	
	27-62					VAR			
IRVINGTON	0-6	4.5-6.5	.28	C	NP-6	FSL, SL, L	ML, SM, CL-ML, SM-SC	A-2, A-4	
	6-33	4.5-5.5	.28		3-12	L, SCL, CL	ML, CL, CL-ML, SC	A-4, A-6	
	33-61	4.5-5.5	.28		4-12	L, SCL, CL	CL, CL-ML SC, SM-SC	A-4, A-6	
	61-82	4.5-5.5	.24		4-20	SCL, CL, SC	CL, SC, CL-ML, SM-SC	A-4, A-6	
UKA	0-13	5.1-6.0	.17	C	NP	LS, LFS	SM	A-2	
	0-13	5.1-6.0	.24		NP-7	FSL, SL	SM, SM-SC, ML, CL-ML	A-4, A-2	
	0-13	5.1-6.0	.37		NP-7	L, SIL	ML, CL-ML	A-4	
	13-22	4.5-5.5	.28		NP-7	FSL, L, SL	SM, SM-SC, ML, CL-ML	A-4	
	22-60	4.5-5.5	.20		NP-7	SL, FSL, L	SM, ML	A-2, A-4	
IZAGORA	0-11	3.6-6.0	.17	C	NP	LS, LFS	SM, SP-SM	A-2, A-4	
	0-11	3.6-6.0	.28		NP-5	VFSL, FSL, SL	SM, SM-SC, ML, CL-ML	A-4	
	0-11	3.6-6.0	.37		NP-10	L, SIL	CL, CL-ML, ML	A-4	
	11-46	3.6-5.5	.32		8-25	L, CL, SICL	CL	A-4, A-6, A-7	
	46-91	3.6-5.5	.32		20-40	CL, C	CL, CH	A-6, A-7	
JEFFERSON	0-8	4.5-5.5	.28	B	0-6	L	CL-ML, ML, SC-SM, SM	A-2, A-4	
	8-48	4.5-5.5	.32		3-10	L, CL, SCL	CL-ML, ML, SC-SM, SM	A-2, A-4	
	48-60	4.5-5.5	.32		7-22	CL, L, GR-CL	CL, GC, ML, SC	A-2, A-4 A-6, A-7	
JOHNSBURG	0-8	4.5-5.5	.43	C	2-10	SIL	CL-ML, ML	A-4	
	8-22	4.5-5.5	.43		5-16	SIL, SICL	CL, CL-ML	A-4, A-6	
	22-57	4.5-5.5	.43		5-20	SIL, SICL	CL, CL-ML	A-4, A-6, A-7	
	57-60	4.5-5.5	.37		12-22	SIL, SICL, C, CR-SICL	CL, GC, ML	A-6, A-7	
JOHNSTON	0-30	4.5-5.5	.17	D	2-14	MK-L	OL, ML, CL-ML	A-4, A-5 A-7-5	
	0-30	4.5-5.5	.20		NP-10	L, SL, FSL	ML, SM	A-2, A-4	
	30-34	4.5-5.5	.17		NP	SR-LS-S	SM, SP-SM	A-2, A-3	
	34-60	4.5-5.5	.17		NP-10	SR-FSL-SL	SM	A-2, A-3	
JONES	0-12	5.6-6.5	.17	B	NP	LS, LFS	SM	A-2	
	0-12	5.6-6.5	.20		NP-4	FSL, SL	SM, SM-SC	A-2	
	12-52	5.1-6.5	.24		NP-7	SL, FSL	SM, SM-SC	A-2	
	52-73	5.1-6.5	.10		NP	LS, SL	SM	A-2	
KALMIA	0-14	4.5-6.0	.15	B	NP	LS, LFS	SM, SM-SC	A-2	
	0-14	4.5-6.0	.20		NP-10	SL, FSL	SM, SC, SM-SC	A-2, A-4	
	14-32	4.5-5.5	.24		4-15	SCL, L, SL	SC, SM-SC	A-2, A-4, A-6	
	32-60	4.5-5.5	.10		NP	LS, S	SM, SP-SM, SP	A-2, A-3	
KAUFMAN	0-6	5.6-8.4	.32	D	33-62	C, SIC	CH	A-7-6, A-7-5	
	6-35	5.6-8.4	.32		45-71	C	CH	A-7-6, A-7-5	
	35-80	5.6-8.4	.32		45-71	C	CH	A-7-6, A-7-5	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr. Group	P. I.	USDA	Textural	Classification Unified	AASHTO
KETONA	0-6	6.1-8.4	.32	D	10-24	SIL, SICL, SIC		ML, MH	A-6, A-7
	6-50	6.1-8.4	.32			SIC, C		CL, CH	A-7
	50-54					UWB			
KINSTON	0-12	4.5-6.0	.24	B/D	NP-10	FSL		SM, SC, SM-SC	A-2, A-4
	0-12	4.5-6.0	.37		4-15	L, SIL		ML, CL, CL-ML	A-4, A-6
	12-60	4.5-5.5	.32		8-22	L, CL, SCL		CL	A-4, A-6, A-7
	60-72					VAR			
KIPLING	0-3	3.6-6.0	.28	D	NP-7	FSL		SM-SC, SM, ML, CL-ML	A-4
	0-3	3.6-6.0	.32		NP-10	SIL, L		ML, CL-ML, CL	A-4
	0-3	3.6-6.0	.32		15-25	CL, SICL		CL	A-6, A-7
	3-62	3.6-8.4	.32		22-45	SIC, C, SICL		CH, CL	A-7, A-6
	62-72	5.1-8.4	.32		26-50	C, SIC		CH, CL	A-7
KIRKVILLE	0-9	4.5-5.5	.15	C	NP	LS		SM	A-2
	0-9	4.5-5.5	.28		NP-5	SL, FSL		ML, SM, CL-ML, SM-SC	A-2, A-4
	0-9	4.5-5.5	.37		NP-5	L, SIL		SM, ML, CL-ML, SM-SC	A-2, A-4
	9-72	4.5-5.5	.28		NP-5	L, SL, FSL		ML, SM, CL-ML, SM-SC	A-2, A-4
KOLOMOKI	0-8	4.5-6.5	.17	B	NP	LS, FSL		SM, SP-SM	A-2
	0-8	4.5-6.5	.24		NP-6	FSL, SL, SCL		SM, ML, CL-ML	A-2, A-4
	8-28	4.5-6.0	.32		14-22	SC, C		CL	A-6, A-7
	28-35	4.5-6.0	.28		7-15	SC, SCL		ML, SC, CL, SM	A-4, A-6
	35-42	4.5-6.0	.24		NP-10	SCL, SL		SM, SC, SM-SC	A-4, A-2
	42-65	4.5-6.0	.20		NP	LS, S		SM, SP-SM	A-2
LAFITTE	0-75	3.6-8.4		D		MUCK		PT	A-8
	75-80					VAR			
LAKELAND	0-43	4.5-6.0	.10	A	NP	S, FS		SP-SM	A-3, A-2-4
	43-80	4.5-6.0	.10		NP	S, FS		SP, SP-SM	A-3, A-2-4
LATONIA	0-4	4.5-5.5	.20	B	NP	SL, FSL		SM	A-2-4, A-4
	0-4	4.5-5.5	.17		NP	LFS, LS		SM	A-2-4
	4-32	4.5-5.5	.20		NP	SL, L, FSL		SM	A-2-4, A-4
	32-74	4.5-5.5	.17		NP	S, SL		SM, SP-SM	A-2-4
LAWRENCE	0-9	4.5-5.5	.43	C	2-10	SIL		CL-ML, ML	A-4
	9-24	4.5-5.5	.43		5-16	SIL, SICL		CL, CL-ML	A-4, A-6
	24-64	4.5-5.5	.43		5-20	SIL, SICL		CL, CL-ML	A-4, A-6, A-7
	64-80	4.5-5.5	.37		12-22	GR-SIL, C, GR-SICL		CL, GC, ML	A-6, A-7
LEADVALE	0-8	4.5-5.5	.43	C	2-10	SIL, L, FSL		ML, CL-ML, CL	A-4
	8-23	4.5-5.5	.43		3-14	SIL, SICL, L		CL-ML, CL, ML	A-4, A-6
	23-48	4.5-5.5	.43		3-18	SIL, SICL		CL-ML, CL, ML	A-4, A-6, A-7
	48-58	4.5-5.5	.24		12-26	SICL, SIC, C		CL, MH, ML, CH	A-6, A-7
LEAF	0-9	3.6-5.5	.28	D	5-12	FSL, L		ML	A-4, A-6
	0-9	3.6-5.5	.32		5-15	SIL, VFSL		ML, CL	A-4, A-6
	9-72	3.6-5.5	.32		20-38	SICL, SIC, C		CL, CH	A-7
LEE	0-7	4.5-6.5	.28	D	3-10	CR-SIL, GR-L, SIL		CL-ML, GM-GC, ML	A-4
	7-34	4.5-5.5	.28		3-10	CR-SIL, GR-L		CL-ML, GM-GC, GM, ML	A-4
	34-60	4.5-5.5	.28		3-10	CR-SIL, CR-L		CL-ML, GM-GC, SM-SC	A-4, A-2, A-1

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural Classification -----		
				Group	P. I.	USDA	Unified	AASHTO
LEEFIELD	0-23	4.5-6.0	.10	C	NP	LS, S, FS	SM, SW-SM, SP-SM	A-2
	23-33	4.5-5.5	.15		NP-16	SL, SCL	SC, SM, SM-SC	A-2, A-4, A-6
	33-75	4.5-5.5	.10		NP-20	SL, SCL	SC, SM, SM-SC	A-2, A-4, A-6
LEEPER	0-8	5.6-8.4	.28	D	NP-10	FSL	SM	A-2, A-4
	0-8	5.6-8.4	.32		25-35	SICL, CL	CH, CL	A-7
	0-8	5.6-8.4	.32		26-40	SIC, C	CH, MH	A-7
	8-50	5.6-8.4	.32		30-50	C, SIC, SICL	CH	A-7
LEESBURG	0-6	4.5-5.5	.15	B	NP	GR-SL, GR-FSL, GR-L	SM, GM, ML	A-2, A-4, A-1
	0-6	4.5-5.5	.15		NP-7	CB-SL, CB-FSL, CB-L	SM, SM-SC, ML, CL-ML	A-2, A-4
	0-6	4.5-5.5	.15		NP-7	ST-SL, ST-FSL, ST-L	SM, SM-SC, ML, CL-ML	A-2, A-4
	6-24	4.5-5.5	.32		NP-10	GR-L, GR-CL, GR-SICL	SM, ML, CL-ML, CL	A-4
	24-40	4.5-5.5	.32		8-20	GR-CL, GR-SICL, GR-SCL	SC, CL	A-4, A-6
	40-65	4.5-5.5	.32		12-25	GR-CL, GR-SICL, GR-C	SC, CL	A-6, A-7
LENOIR	0-8	3.6-5.5	.28	D	4-10	FSL	SM-SC, SC, CL-ML, CL	A-4
	0-8	3.6-5.5	.37		4-10	L, SIL, VFSL	ML, CL, CL-ML	A-4
	8-75	3.6-5.5	.32		11-35	C, SIC, CL	CL, CH	A-6, A-7
LEON	0-15	3.6-5.5	.10	B/D	NP	FS, S	SP, SP-SM	A-3, A-2-4
	0-15	3.6-6.5	.10		NP	S, FS	SP, SP-SM	A-3, A-2-4
	15-23	3.6-5.5	.15		NP	FS, S, LS	SM, SP-SM, SP	A-3, A-2-4
	23-80	3.6-5.5	.10		NP	FS, S	SP, SP-SM	A-3, A-2-4
LEVY	0-8	3.6-5.5	.20	D	8-30	MK-SICL, MK-C	CL, CH, ML, MH	A-6, A-7, A-4
	0-8	3.6-5.5	.37		12-35	SICL, SIC, C	CL, CH	A-6, A-7
	8-44	3.6-5.5	.32		15-35	SIC, C, SICL	CL, CH	A-6, A-7
	44-60					VAR		
LINKER	0-5	3.6-5.5	.20	B	NP-7	ST-FSL, ST-L	SM, ML	A-4
	0-5	3.6-5.5	.24		NP-7	GR-FSL, GR-L	ML, GM, SM	A-2, A-4
	0-5	3.6-5.5	.28		NP-7	FSL, L	SM, ML	A-4
	5-25	3.6-5.5	.32		NP-18	FSL, SCL, L	CL, SC, SM, ML	A-4, A-6
	25-35	3.6-5.5	.28		NP-18	GR-SCL, GR-FSL, SCL	CL, SC, GC, ML	A-4, A-6
	35-37					UWB		
LOBELVILLE	0-9	4.5-6.0	.28	C	NP-7	CR-SIL, CR-L, GR-SIL	ML, CL-ML, GM, GM-GC	A-4
	9-42	4.5-6.0	.28		3-12	CR-SIL, CR-L, CR-SICL	CL-ML, ML, GM, GM-GC	A-4, A-6
	42-65	4.5-6.0	.28		3-12	CR-SIL, CR-L, CR-SL	ML, CL-ML, GM, GM-GC	A-4, A-2 A-6, A-1
LOCKHART	0-6	5.1-6.5	.15	B	NP	GR-LS, GR-SL	GM, GP-GM, SM, SP-SM	A-1, A-2
	6-54	5.1-6.5	.17		5-15	GR-SCL, GR-L	GC, GM-GC, SC, SM-SC	A-2, A-4, A-6
	54-72					VAR		

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		USDA	-----Textural Classification -----	
				Group	P. I.		Unified	AASHTO
LOCUST	0-8	4.5-5.5	.32	C	NP-7	FSL, SL	SM, ML	A-4, A-2
	0-8	4.5-5.5	.37		4-8	L, SIL	ML, SM	A-4
	8-24	4.5-5.5	.37		12-20	L, SIL, CL	CL	A-6
	24-64	4.5-5.5	.37		2-12	CL, L, SL	CL, ML, CL-ML	A-4, A-6
	64-70	4.5-5.5	.28		2-12	CR-CL, CR-L, CR-SL	SM, SC, SM-SC	A-1, A-2
LOUISA	0-4	4.5-6.0	.17	B	NP	GR-L, GR-SL, GR-FSL	SM	A-1, A-2, A-4
	0-4	4.5-6.0	.28		NP	L, SL, FSL	SM, ML	A-2, A-4
	4-15	4.5-6.0	.24		NP	GR-L, GR-SL	SM	A-2, A-4
	15-60					WB		
LOUISBURG	0-7	4.5-6.0	.24	B	NP-6	SL, FSL	SM, SM-SC	A-2
	0-7	4.5-6.0	.10		NP	LS, LCOS	SM	A-2, A-1-B
	7-24	4.5-6.0	.24		NP-7	SL	SM, SM-SC	A-2, A-4
	24-60					WB		
LOUISBURG	0-7	4.5-6.0	.10	B	NP	GR-LS, GR-LCOS	SM, SP-SM	A-2, A-1-B
	0-7	4.5-6.0	.24		NP-6	GR-SL, GR-FSL, GR-COSL	SM, SM-SC	A-2, A-1-B
	7-24	4.5-6.0	.24		NP-7	SL, GR-SL	SM, SM-SC	A-2, A-4
	24-60					WB		
LOUISBURG	0-7	4.5-6.0	.10	B	NP	ST-SL, ST-LS, ST-LCOS	SM	A-2, A-1-B
	0-7	4.5-6.0	.10		NP	STV-SL	SM	A-2, A-1
	7-24	4.5-6.0	.24		NP-7	ST-SL	SM, SM-SC	A-2, A-4
	24-60					WB		
LUCEDALE	0-8	5.1-6.5	.24	B	NP-3	SL, L, FSL	SM, ML	A-2, A-4
	8-60	4.5-5.5	.24		4-15	SCL, CL, L	CL-ML, SC, CL, SM-SC	A-4, A-6, A-2
LUCY	0-24	5.1-6.0	.10	A	NP	LS, LFS	SM, SP-SM	A-2
	0-24	5.1-6.0	.10		NP	S, FS	SM, SP-SM	A-2
	24-35	4.5-5.5	.24		NP-15	SL, FSL, SCL	SM, SC, SM-SC	A-2, A-4, A-6
	35-70	4.5-5.5	.28		3-20	SCL, CL, SC	SC, SM-SC, SM	A-2, A-6, A-4
LUVERNE	0-7	3.6-5.5	.15	C	NP	LS, LFS	SM	A-2, A-4
	0-7	3.6-5.5	.24		NP	SL, FSL	ML, SM	A-4, A-2
	0-7	3.6-5.5	.28		3-16	SCL, CL	SM, ML, CL, SC	A-6, A-4
	7-30	3.6-5.5	.28		12-34	CL, SC, C	ML, MH	A-7, A-6
	30-40	3.6-5.5	.28		2-14	CL, SCL	ML, MH, SM	A-4, A-5, A-7
	40-80	3.6-5.5	.28		3-16	SR-LS-SCL	SM, ML	A-2, A-4
								A-6, A-7
LYERLY	0-6	4.5-6.5	.37	D	3-10	L	ML, CL, CL-ML	A-4
	0-6	4.5-6.5	.43		5-15	SIL, SICL	CL, CL-ML	A-4, A-6
	6-22	4.5-6.5	.32		30-60	C	CH	A-7-6
	22-32	5.1-7.3	.32		40-60	C	CH	A-7-6
	32-36					UWB		

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr. Group	P.I.	-----Textural USDA	Classification -----	
							Unified	AASHTO
LYNCHBURG	0-10	3.6-5.5	.15	C	NP-4	LS, LFS	SM, SP-SM	A-2
	0-10	3.6-5.5	.20		NP-7	SL, FSL, L	SM, ML	A-2, A-4
	10-62	3.6-5.5	.20		4-18	SCL, SL, CL	SM-SC, SC, CL, CL-ML	A-2, A-4, A-6
MACON	0-9	4.5-6.0	.28	B	NP-4	FSL, L	SM, ML	A-4
	9-24	4.5-6.0	.28		11-17	CL, SCL, L	CL, SC	A-6
	24-75	4.5-6.0	.24		12-23	CL, SCL, SC	SC, CL	A-6, A-7
MADISON	0-6	4.5-6.0	.15	B	NP-7	GR-FSL, GR-SL	SM	A-2, A-4
	0-6	4.5-6.0	.24		NP-8	FSL, SL	SM	A-2, A-4
	0-6	4.5-6.0	.28		7-20	CL, SCL	CL	A-4, A-6
	6-30	4.5-5.5	.32		12-35	C, CL, SC	MH, ML	A-7
	30-35 35-66	4.5-6.0	.28		7-20	L, SCL, CL VAR	CL	A-4, A-6
MALBIS	0-7	4.5-6.0	.24	B	NP-5	FSL, L, SL	SM, ML	A-4
	7-26	4.5-5.5	.28		5-11	L, SCL, CL	CL-ML, CL	A-4, A-6
	26-54	4.5-5.5	.28		4-15	SCL, CL, L	ML, CL	A-4, A-6, A-7
	54-71	4.5-5.5	.28		4-15	SCL, CL	ML, CL	A-4, A-5 A-6, A-7
MAN7ACHIE	0-11	4.5-4.5	.28	C	NP-5	FSL, SL, L	CL-ML, SM-SC, SM, ML	A-4
	0-11	4.5-5.5	.28		5-15	CL	CL-ML, CL	A-4, A-6
	0-11	4.5-5.5	.37		NP-10	SIL	ML, CL-ML, CL	A-4
	11-61	4.5-5.5	.28		5-15	L, CL, SCL	CL, SC, SM-SC, CL-ML	A-4, A-6
MARIETTA	0-10	5.6-'7.8	.28	C	5-10	L, FSL	CL, CL-ML, SM-SC, SC	A-4
	0-10	5.6-7.8	.28		5-10	SIL, VFSL	CL, CL-ML	A-4
	10-46	5.6-7.8	.28		8-20	SICL, SCL, L	CL, SC	A-6, A-4
	46-62	5.6-7.8	.28		15-30	SICL, SC, L	CL, CH, SC	A-7, A-6
MARLBORO	0-9	5.1-6.5	.15	B	NP-4	LS, LFS	SM	A-2
	0-9	5.1-6.5	.20		NP-7	SL, FSL, VFSL	SM, ML	A-2, A-4
	9-60	4.5-6.0	.20		b-20	SC, CL, C	CL, ML, CL-ML	A-4, A-6, A-7
	60-72	4.5-6.0	.20		b-20	SCL, SC, C	CL, ML, SM, SC	A-4, A-6, A-7
MARVYN	0-7	4.5-6.0	.15	B	NP	LS, LFS	SM	A-2
	0-7	4.5-6.0	.24		NP-5	SL, FSL	SM, SM-SC	A-2, A-4
	7-30	4.5-6.0	.32		3-15	SCL, SL	ML, SM	A-4, A-2 A-6, A-7
	30-53	4.5-6.0	.32		4-19	SCL, SC	ML, MH, SM	A-4, A-5, A-7
	53-72	4.5-6.0	.32		NP-10	LS, SL, SCL	SM, ML	A-1, A-2, A-4
MASADA	0-10	4.5-5.5	.32	C	NP-15	FSL, L	ML, SM, SC, CL	A-4, A-6
	10-55	4.5-5.5	.24		15-35	CL, C, GR-C	CH, CL	A-7, A-6
	55-72	4.5-5.5	.24		7-20	L, CL, GR-SCL	CL, ML	A-6, A-7, A-4
MASHULAVILLE	0-26	4.5-5.5	.24	B	NP-7	SL, FSL	SM, SM-SC	A-2-4, A-4
	0-26	4.5-5.5	.32		NP-7	L, SIL	ML, CL-ML	A-4
	26-62	4.5-5.5	.28		8-20	L, CL, SIL	CL, SC	A-6, A-4

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr. K	Group	P.1.	USDA	Textural	Classification Unified	AASHTO
MAUBILA	0-8	3.6-5.5	.15	C	NP	FL-LS,FL-LFS		SM,SP-SM	A-2
	0-8	3.6-5.5	.17		NP-6	FL-SL		SM,SP-SM,SM-SC	A-2
	8-15	3.6-5.5	.28		12-25	SCL,CL		SC,CL	A-6,A-7
	15-55	3.6-5.5	.32		20-45	CL,C,SIC		CL,CH	A-6,A-7 A-7-6
	55-69	3.6-5.5	.32		20-45	C,SIC,CL		CH,CL	A-6,A-7 A-7-6
MAUREPAS	0-72	5.6-8.4		D		MUCK		PT	A-8
MAURY	0-6	5.1-6.0	.32	C	7-18	CL		CL	A-4,A-6
	6-24	5.1-6.0	.20		20-32	C,SIC		CH,CL	A-7
	24-80	5.1-6.5	.20		22-34	C		CH,CL	A-7
MAXTON	0-12	4.5-6.0	.15	B	NP	LS,LFS		SM,SP-SM	A-2
	0-12	4.5-6.0	.20		NP-7	SL,FSL		SM,SM-SC	A-2
	12-33	4.5-5.5	.24		4-15	SCL,SL		SC,SM-SC	A-4,A-6,A-2
	33-60	4.5-5.5	.10		NP	SR-LS-S		SM,SP-SM,SP	A-2,A-3
MAYHEW	0-7	4.5-6.0	.37	D	15-28	SICL,SIL,L		CL	A-6,A-7
	7-40	4.5-6.0	.32		25-50	SICL,SIC,C		CH,CL	A-7
	40-80	4.5-6.0	.32		25-50	SIC,C,SICL		CH,CL	A-7
MAYTAG	0-7	6.1-8.4	.32	D	20-35	SIC,C		CH,MH	A-7
	0-7	6.1-8.4	.32		3-25	SICL,CL		CL,ML,CL-ML	A-4,A-6,A-7
	7-53	6.6-8.4	.32		30-60	SIC,C,SICL		CH,MH	A-7
	53-65	7.4-8.4	.32		30-60	SIC,C,SICL		CH,MH	A-7
MCCORY	0-3	4.5-7.3	.24	D	NP-7	FSL		SM,SC-SM	A-4
	0-3	4.5-7.3	.17		NP-3	LFS		SM	A-2
	3-15	4.5-7.3	.20		NP-7	FSL,LFS		SM,SC-SM	A-2,A-4
	15-43	6.6-8.4	.32		5-15	SCL,FSL,L		SC,CL,CL-ML,SC-SM	A-4,A-6
	43-52	6.6-8.4	.24		NP-7	LFS,FSL		SM,SC-SM	A-4,A-2
MCLAURIN	0-14	4.5-5.5	.17	B	NP-4	LS,LFS		SM	A-2
	0-14	4.5-5.5	.20		NP-4	SL,FSL		SM	A-4
	14-38	4.5-5.5	.20		NP-11	SL,FSL,L		SM,SC,SM-SC	A-4
	38-49	4.5-5.5	.20		NP-4	LFS,LS,SL		SM	A-2,A-4
	49-60	4.5-5.5	.20		6-15	SL,SCL,L		SC,ML,CL,SM	A-4,A-6
MCQUEEN	0-8	3.6-6.5	.28	C	NP-7	FSL,SL		SM,ML,CL-ML,SM-SC	A-4
	0-8	3.6-6.5	.37		NP-10	SIL,L,SICL		ML,CL-ML	A-4
	8-34	3.6-5.5	.37		10-25	SIC,CL,C		CL	A-7,A-6
	34-56	3.6-5.5	.37		8-20	CL,SICL,SCL		CL	A-6,A-4,A-7
	56-70	3.6-5.5	.32		NP-20	SCL,CL,SL		CL,SM-SC,SC,ML	A-2,A-4,A-6
MECKLENBURG	0-8	5.6-7.3	.17	C	NP-12	GR-L,GR-SL,GR-FSL		GM,SM,GP-GM,SP-SM	A-2,A-1
	0-8	5.6-7.3	.24		NP-15	L,FSL,SL		ML,SM,CL-ML,CL	A-4,A-6
	0-8	5.6-7.3	.28		11-25	CL,SCL		CL	A-6,A-7-6
	8-25	5.6-7.3	.28		20-43	C		CH,MH	A-7
	25=36 36-60	5.6-7.3	.32		8-25	L,SCL,CL VAR		CL	A-4,A-6,A-7
MEGETT	0-8	4.5-6.5	.24	D	NP	FSL,SL,LS		SM	A-2,A-4
	0-8	4.5-6.5	.28		5-15	L,CL		ML,CL-ML,CL	A-4,A-6
	8-16	5.1-8.4	.32		11-30	C,SC,CL		CH,MH,CL	A-6,A-7
	16-52	6.1-8.4	.32		11-30	C,SC,CL		CH,MH,CL	A-6,A-7
	52-65 65-72	6.1-8.4	.28		7-25	SC,SCL,C SR-S-C		SC,SM,ML,MH	A-4,A-6,A-7
MELVIN	0-7	5.6-7.8	.43	D	4-10	SIL		CL,CL-ML,ML	A-4
	0-7	5.6-7.8	.43		NP-7	L,FSL		ML,SM,CL-ML	A-4
	0-7	5.6-7.8	.43		15-22	SICL		CL	A-6,A-7
	7-40	5.6-7.8	.43		5-20	SIL,SICL		CL,CL-ML	A-4,A-6
	40-60	5.6-7.8	.43		5-20	SIL,SICL,L		CL,CL-ML	A-4,A-6

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification-----	
				Group	P.1.	USDA	Unified	AASHTO	
MIMOSA	0-6	4.5-6.0	.28	C	25-35	SIC	CH, MH	A-7	
	0-6	4.5-6.0	.37		7-20	SIL, SICL	CL, ML	A-4, A-6, A-7	
	0-6	4.5-6.0	.28		7-20	CR-SIL, CR-SICL	CL, ML	A-4, A-6, A-7	
	6-12	4.5-6.0	.28		18-28	SICL, SIC, C	ML, CL, MH, CH	A-7	
	12-55	4.5-6.0	.24		25-35	C, SIC	CH, MH	A-7	
	55-59					UWB			
MINTER	0-5	4.5-5.5	.32	D	15-28	CL, SICL	CL, CH	A-6, A-7	
	0-5	4.5-5.5	.37		8-18	L, SIL	CL, ML	A-4, A-6	
	5-72	4.5-5.5	.32		18-32	CL, SIC, C	CL, CH	A-6, A-7	
MINVALE	0-13	4.5-5.5	.28	B	NP-10	CR-SIL, CR-L, CR-SICL	ML, CL, GM, GC	A-4	
	0-13	4.5-5.5	.37		NP-10	SIL, L, SICL	ML, CL, CL-ML	A-4	
	13-30	4.5-5.5	.28		5-15	CR-SICL, CR-SIL, CR-L	CL, CL-ML, GC, GM-GC	A-4, A-6	
	30-72	4.5-5.5	.28		7-23	CR-SICL, CR-SIC, CR-C	CL, ML, GC, SC	A-4, A-6, A-7	
MONOGAHELA	0-7	4.5-5.5	.32	C	0-7	FSL	ML, SM	A-2, A-4	
	7-18	4.5-5.5	.37		12-20	L, SIL, CL	CL	A-6	
	18-50	4.5-5.5	.37		2-12	CL, L	CL, CL-ML, ML	A-4, A-6	
MONTEVALLO	0-6	4.5-6.0	.20	D	NP-10	CNV-SIL, CNV-L, CNX-L	GM-GC, GC, SM-SC, SC	A-2, A-4	
	0-6	4.5-6.0	.28		NP-10	CN-SIL, CN-L	SM-SC, SC, CL-ML, CL	A-4	
	6-16	4.5-6.0	.32		2-15	CNV-SIL, CNX-L	GM-GC, GC, SM-SC, SC	A-2, A-4, A-6	
	16-36					WB			
MOOREVILLE	0-6	4.5-5.5	.28	C	15-30	SCL, CL	CL, SC	A-6, A-7	
	0-6	4.5-5.5	.37		5-10	L, SIL, FSL	CL-ML, CL, SM-SC, SC	A-4	
	6-50	4.5-5.5	.28		15-30	SCL, CL, L	CL, SC	A-6, A-7	
	50-60	4.5-5.5	.28		15-30	L, SCL, CL	SC, CL	A-6, A-7	
MOUNTAINBURG	0-6	5.1-6.0	.24	0	NP	FSL, SL	SM	A-2	
	0-6	5.1-6.0	.20		NP	GR-FSL, GR-SL, GR-L	GM, SM	A-1, A-2	
	0-6	5.1-6.0	.15		NP	GRV-FSL, GRV-SL, GRV-L	GM	A-1, A-2	
	6-18	4.5-5.5	.17		NP-10	GRV-SCL, GRV-SL, GRV-L	GM, GC, GP-GM, GM-GC	A-1, A-2	
	18-20					UWB			
MOUNTVIEW	0-8	4.5-5.5	.43	B	2-7	SIL	ML, CL-ML	A-4	
	8-30	4.5-5.5	.43		10-23	SIL, SICL	CL	A-6, A-7	
	30-78	4.5-5.5	.32		11-32	C, CR-C, CR-SICL	CL, ML, MH, CH	A-6, A-7	
MUCKALEE	0-6	5.1-7.3	.20	D	NP	LS, LFS	SM	A-2	
	0-6	5.1-7.3	.20		NP-4	SL, FSL	SM	A-2, A-4	
	0-6	5.1-7.3	.20		4-15	L	ML, CL, CL-ML	A-4, A-6	
	6-64	5.6-8.4	.20		NP-4	SL, LS	SM	A-2, A-4	
MUSE	0-11	5.1-6.0	.37	C	3-7	SIL	CL-ML, ML	A-4	
	11-25	3.6-5.5	.32		14-40	L, SICL, SIC, C	CH, CL	A-6, A-7	
	25-35	3.6-5.5	.32		15-30	SICL, SIC, CL	CH, CL	A-7	
	35-60	3.6-5.5	.32		8-17	SICL, GR-SICL, CN-CL	ML	A-4, A-6, A-7	
MUSELLA	0-4	5.1-6.5	.20	B	NP-10	GR-CL, GR-SCL	SM, SC, SM-SC	A-2, A-4	
	0-4	5.1-6.5	.32		NP-10	CL, SCL, L	SM, SC, SM-SC, ML	A-4	
	0-4	5.6-6.5	.20		NP-10	ST-CL, ST-SCL	SM, SC, SM-SC	A-2, A-4	
	4-14	5.1-6.5	.32		11-20	GR-CL, CL	ML, CL, SM, SC	A-6, A-7	
	14-18	5.1-6.5	.28		8-15	GRV-CL	SM, SC, GC	A-4, A-6	
	18-60					WB			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification -----	
				Group	P. I.	USDA	Unified	AASHTO	
MUSKINGUM	0-8	4.5-6.5	.20	D	0-7	FSL	CL-ML, ML, SC-SM, SM	A-2, A-4	
	8-18	4.5-5.5	.17		0-7	SL, GR-SL, L	GC-GM, GM, ML, SM	A-2, A-4	
	18-22					UWB			
MYATT	0-10	4.5-5.5	.20	D	NP-4	LS, LFS	SM, SM-SC	A-2	
	0-10	4.5-6.0	.28		NP-5	FSL, SL, VFSL	SM, SM-SC, ML, CL-ML	A-2, A-4	
	0-10	4.5-6.0	.32		NP-5	SIL, L	ML, CL-ML	A-4	
	10-50	3.6-5.5	.28		NP-10	L, SCL, CL	SM, SC, ML, CL	A-4	
	50-72	3.6-5.5	.24		5-20	GR-FSL, SCL, CL	SM-SC, SC, CL-ML, CL	A-6, A-4, A-2	
NAHUNTA	0-12	4.5-6.0	.43	C	NP-10	VFSL, L, SIL	ML, CL-ML, CL	A-4	
	12-79	3.6-5.5	.43		8-30	L, CL, SICL	CL	A-4, A-6, A-7	
NANKIN	0-8	4.5-5.5	.17	C	NP	LS, LFS	SM, SP-SM	A-2	
	0-8	4.5-5.5	.28		NP-4	SL, FSL	SM, SM-SC	A-2, A-4	
	0-8	4.5-5.5	.32		NP-7	SCL	SM, SM-SC, ML, CL-ML	A-4	
	8-13	4.5-5.5	.24		4-15	SCL, SL	SC, SM, SM-SC	A-2, A-4, A-6	
	13-38	4.5-5.5	.24		7-20	SC, C, SCL	SC, CL, ML, CL-ML	A-4, A-6, A-7	
	38-65	4.5-5.5	.24		4-16	SCL, SL	SC, SM-SC, CL CL-ML	A-2, A-4, A-6	
NAUV00	0-11	4.5-6.0	.24	B	3-16	SCL	SM, SM-SC, SC	A-4, A-6	
	0-11	4.5-6.0	.28		NP-8	FSL, L, SL	SM-SC, CL-ML, SC, CL	A-4, A-2	
	11-30	4.5-6.0	.32		8-24	L, SCL, CL	SC, CL, ML	A-4, A-6, A-7	
	30-42	4.5-6.0	.32		4-15	FSL, L, SCL	SM-SC, CL-ML, SC, CL	A-4, A-6	
	42-60					WB			
NECTAR	0-7	5.1-6.0	.28	C	NP-4	FSL, SL	SM, ML	A-4	
	0-7	5.1-6.0	.37		3-7	L, SIL	CL-ML, ML	A-4	
	7-27	3.6-5.5	.32		14-40	SICL, SIC, C	CL, CH	A-6, A-7	
	27-49	3.6-5.5	.32		15-30	SICL, SIC, CL	CL, CH	A-7	
	49-55	3.6-5.5	.28		8-17	SICL, GR-SICL, CN-CL	ML	A-4, A-6, A-7	
55-65					WB				
NELLA	0-8	4.5-5.5	15	B	NP-8	CB-L, CB-FSL, CB-SCL	ML, CL, SM, SC	A-4	
	0-8	4.5-5.5	15		NP-8	GR-L, GR-FSL, GR-SL	ML, CL, GM, SM	A-4, A-2	
	8-36	4.5-5.5	15		6-20	CB-CL, GR-CL, CB-SCL	CL, SC, CL-ML, SM-SC	A-4, A-6, A-2	
	36-70	4.5-5.5	15		8-27	CB-CL, GR-SCL, CB-C	SC, SM, CL, ML	A-4, A-6, A-7	
NOLICHUCKY	0-7	4.5-6.5	15	B	3-10	GR-L, GR-SL, GR-SIL	SM-SC, SC, GC, GM-GC	A-4, A-2	
	0-7	4.5-6.5	28		3-10	L, SL, SIL	SM-SC, SC, CL, CI-ML	A-1-B	
	7-15	4.5-5.5	20		8-15	CL, GR-CL, L	SC, GC, CL	A-4, A-2, A-6	
	15-56	4.5-5.5	20		15-22	CL, GR-CL, SCL	CL, SC, GC	A-6, A-7, A-2	
	56-75	4.5-5.5	20		17-30	CL, C, GR-CL	CL, CH, SC, GC	A-6, A-7, A-2	
NORFOLK	0-14	3.6-6.0	.17	B	NP	LS, LFS	SM	A-2	
	0-14	3.6-6.0	.20		NP-14	SL, FSL	SM, SM-SC, SC	A-2	
	14-38	3.6-5.5	.24		4-15	SL, SCL, CL	SC, SM-SC, CL, CL-ML	A-2, A-4, A-6	
	38-70	3.6-5.5	.24		4-23	SCL, CL, SC	SC, SM-SC, CL, CL-ML	A-4, A-6	
	70-99					VAR		A-7-6	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.		-----Textural Classification -----			
			K Group	P. I.	USDA	Unified	AASHTO	
NOTCHER	0-7	5.1-7.3	.17	B	NP	GR-FSL,GR-L,GR-SL	SM	A-2,A-4
	0-7	5.1-7.3	.24		NP	FSL,L,SL	SM	A-2,A-4
	7-44	4.5-5.5	.28		7-20	SCL,CL,GR-L	SC,CL	A-4,A-6
	44-76	4.5-5.5	.28		11-23	SCL,CL	CH,CL,SC,SM	A-6,A-7
NUGENT	0-8	4.5-6.5	.10	A	NP	LS,S,LFS	SM,SP-SM	A-2
	0-8	4.5-6.5	.24		NP-3	FSL,SL	SM,ML	A-4
	0-8	4.5-6.5	.37		NP-7	SIL,L	ML,CL-ML	A-4
	8-60	4.5-6.5	.17		NP-3	SR-LS-FSL	SM,SP-SM	A-2
OCHLOCKONEE	0-6	4.5-5.5	.17	B	NP	LS,LFS	SM	A-2,A-4
	0-6	4.5-5.5	.20		NP-5	FSL,SL	SM,ML,SM-SC,CL-ML	A-4,A-2
	0-6	4.5-5.5	.24		NP-7	SIL,L	ML,CL-ML	A-4
	6-44	4.5-5.5	.20		NP-9	FSL,SL,SIL	SM,ML,SC,CL	A-4
44-72	4.5-5.5	.17		NP-9	LS,SL,SIL	SM,ML,CL,SC	A-4,A-2	
OCILLA	0-28	4.5-5.5	.10	C	NP	LCOS,S,FS	SM,SP-SM	A-2,A-3
	0-28	4.5-5.5	.10		NP	LS,LFS	SM,SP-SM	A-2,A-3
	0-28	4.5-5.5	.10		NP	S,FS	SM,SP-SM	A-2,A-3
	28-59	4.5-5.5	.24		NP-18	SL,SCL,FSL	SM,CL,SC,ML	A-2,A-4,A-6
	59-67	4.5-5.5	.24		7-20	SCL,SC,SL	SC,CL	A-4,A-6,A-7
OKEELALA	0-12	4.5-5.5	.15	B	0	LS	SM	A-2
	12-52	4.5-5.5	.24		7-16	SL,SCL,SL	CL,ML,SC,SM	A-4,A-6
	52-80	4.5-5.5	.15		0	SL,SC,FSL	SM,SP-SM	A-2-4,A-3
OKEETEE	0-7	4.5-6.5	.17	D	NP	LS,LFS	SM	A-2
	0-7	4.5-6.5	.24		NP-7	SL,FSL,L	SM,ML	A-2,A-4
	7-50	5.1-6.5	.32		20-30	C,SC	CH,CL	A-7
	50-78	5.1-8.4	.24		8-30	C,SC,SCL	CH,CL	A-4,A-6,A-7
	78-85					VAR		
OKOLONA	0-8	6.6-8.4	.37	D	25-32	SICL,SIC,C	CL,CH	A-7
	8-65	6.6-8.4	.32		36-65	SIC,C	CH	A-7
	65-80					WB		
OKTIBBEHA	0-4	4.5-6.5	.32	D	12-28	CL,SICL	CL	A-6,A-7
	0-4	4.5-6.5	.32		19-34	C,SIC	CL,ML,CH	A-7
	4-41	4.5-6.5	.32		30-40	C	CH	A-7
	41-70	6.6-8.4	.32		25-30	C,SIC	CL	A-7
OOLTEWAH	0-10	4.5-6.0	.37	C	3-15	SIL	CL,ML	A-4,A-6
	10-30	4.5-6.0	.32		8-20	L,SIL,SICL	CH,CL,MH,ML	A-4,A-6,A-7
	30-60	4.5-6.0	.24		0-8	SR-SL,SICL	CL,ML,SC,SM	A-2-4,A-4
ORA	0-7	3.6-5.5	.28	C	NP-5	SL,FSL	SM-SC,SM,ML,CL-ML	A-4,A-2
	0-7	3.6-5.5	.37		NP-5	SIL,L	ML,CL-ML	A-4
	7-26	3.6-5.5	.37		8-22	CL,SCL,L	CL	A-6,A-4,A-7
	26-56	3.6-5.5	.32		8-25	SCL,L,SL	CL	A-6,A-7,A-4
	56-70	3.6-5.5	.37		11-30	SCL,L,SL	CL	A-6,A-7

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr. Group	P. I.	-----Textural Classification -----		
						USDA	Unified	AASHTO
ORANGEBURG	0-7	4.5-6.0	.10	B	NP	LS, LFS, S	SM	A-2
	0-7	4.5-6.0	.20		NP	SL, FSL	SM	A-2
	0-7	4.5-6.0	.24		3-16	SCL	SM, SM-SC, SC	A-4, A-6
	7-12	4.5-6.0	.20		NP-4	SL	SM	A-2
	12-54	4.5-5.5	.24		3-19	SCL, SL	SC, CL, SM, SM-SC	A-6, A-4
	54-64	4.5-5.5	.24		8-21	SCL, SC	SC, CL	A-6, A-4, A-7
OSIER	0-8	3.6-6.0	.10	A/D	NP	S, LS, FS	SP-SM	A-2, A-3
	0-8	3.6-6.0	.15		NP	FSL, LFS	SM	A-2
	8-48	3.6-6.0	.10		NP	S, LS, LFS	SP-SM, SM	A-2, A-3
	48-75	3.6-6.0	.05		NP	COS, S, FS	SP, SP-SM	A-1, A-3 A-2-4
PACOLET	0-3	4.5-6.5	.15	B	NP-3	LS	SM	A-2
	0-3	4.5-6.5	.20		NP-7	SL, FSL, L	SM, SM-SC	A-2, A-1-B A-4
	0-3	4.5-6.5	.24		4-17	CL, SCL	SM-SC, SC	A-4, A-6
	3-29	4.5-6.0	.28		11-30	SC, CL, C	ML, MH	A-6, A-7
	29-52	4.5-6.0	.28		5-15	CL, SCL, SL	CL, CL-ML, SM-SC, SC	A-2, A-4, A-6
	52-70	4.5-6.0	.28		NP-6	SL, FSL, L	SM, SM-SC	A-4, A-2-4
PACOLET	0-3	4.5-6.0	.20	B	4-17	GR-CL, GR-SCL	SM, SM-SC, SC	A-4, A-6
	0-3	4.5-6.5	.15		NP-3	GR-SL, GR-FSL	SM	A-2
	3-29	4.5-6.0	.28		11-30	SC, CL, C	ML, MH	A-6, A-7
	29-52	4.5-6.0	.28		5-15	CL, SCL, SL	CL, CL-ML, SM-SC, SC	A-2, A-4, A-6
	52-70	4.5-6.0	.28		NP-6	SL, FSL, L	SM, SM-SC	A-4, A-2-4
PACTOLUS	0-40	3.6-5.5	.10	A	NP	LS, LFS, S	SM, SP-SM	A-2, A-3
	40-80	3.6-5.5	.10		NP	S LS, LFS	SP-SM, SM	A-2, A-3
PALMERDALE	0-5	3.6-5.5	.24	B	NP-10	CNX-SL, CNX-L, CNX-SIL	GC, SM, GM, SC	A-1, A-2 A-3, A-4
	0-5	3.6-5.5	.24		3-16	CNV-SIL, CNV-SICL	GM, SC, GC, SM	A-2, A-4 A-6, A-1
	5-80	3.6-5.5	.24		3-16	CNV-SIL, CNV-L, CNX-L	GC, SM, GM, SC	A-2, A-4 A-6, A-1
PAMLICO	0-24	3.6-4.4	-	D		MUCK	PT	
	24-48	3.6-5.5	.10		NP	FS, LFS, S	SM, SP-SM	A-2, A-3
	48-72	3.6-5.5	.24		2-15	FSL, SCL	SM, SC	A-4, A-2-6
PANSEY	0-10	4.5-5.5	.17	D	NP	LFS, LS	SM	A-2, A-4
	0-10	4.5-5.5	.20		NP-4	FSL, SL	SM, ML	A-2, A-4
	10-20	4.5-5.5	.24		NP-6	SL, SCL	SM	A-2, A-4
	20-35	4.5-5.5	.28		NP-14	SCL	SM-SC, SM, SC	A-2, A-4, A-6
	35-70	4.5-5.5	.28		NP-14	SCL, SC	SM-SC, SM, SC	A-2, A-4, A-6
PAXVILLE	0-15	3.6-6.5	.10	B	NP-7	MK-LFS, MK-FSL, MK-L	SM, ML	A-2, A-4
	0-15	3.6-6.5	.15		NP-4	LS, LFS	SM	A-2
	0-15	3.6-6.5	.20		NP-7	SL, FSL, L	SM, ML	A-2, A-4
	15-40	3.6-5.5	.15		5-15	SCL, SL, L	CL-ML, CL, SM-SC, SC	A-2, A-4, A-6
	40-48	3.6-5.5	.10		NP-4	SL, LS, FSL	SM, SP-SM	A-2, A-3
	48-99	3.6-5.5	.10		NP	LS, S, FS	SM, SP-SM	A-2, A-3, A-1

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.		-----Textural Classification -----			
			K Group	P. I.	USDA	Unified	AASHTO	
PELHAM	0-27	3.6-5.5	.10	B/D	NP	COS, LCOS	SM, SP-SM	A-2, A-3
	0-27	3.6-5.5	.10		NP	LS, LFS	SM	A-2
	0-27	3.6-5.5	.10		NP	S, FS	SM, SP-SM	A-2
	27-56	3.6-5.5	.24		2-12	SCL, SL, FSL	SM, SC, SM-SC	A-2, A-4, A-6
	56-68	3.6-5.5	.24		3-20	SCL, SL, SC	SC, SM, ML, CL	A-2, A-4 A-6, A-7
PEARMON	0-8	4.5-6.5	.37	D	0-15	L	CL, CL-ML, ML	A-4, A-6
	8-25	4.5-6.5	.32		15-35	SICL, SIC, C	CH, CL, MH, ML	A-4, A-7
	25-54	4.5-6.5	.32		25-50	SIC, C	CH, MH	A-7
	54-58					UWB		
PHEBA	0-8	4.5-5.5	.43	C	NP-8	SIL, L, FSL	ML, CL, CL-ML	A-4
	8-21	4.5-5.5	.49		NP-8	SIL, L	ML, CL, CL-ML	A-4
	21-60	4.5-5.5	.43		11-16	SIL, L, SICL	CL	A-6
PHILO	0-15	4.5-6.0	.37	C	3-15	L	CL, CL-ML, ML	A-4, A-6
	15-36	4.5-6.0	.32		8-20	L, SIL, SICL	CH, CL, MH, ML	A-4, A-6, A-7
	36-50	4.5-6.0	.24		0-8	SR-SL SICL	CL, ML, SC, SM	A-2-4, A-4
PICKWICK	0-6	4.5-5.5	.37	B	11-8	SICL	CL, ML	A-6, A-7
	0-6	4.5-5.5	.43		2-11	SIL	ML, CL-ML, CL	A-4, A-6
	6-32	4.5-5.5	.37		11-17	SICL, SIL	CL	A-6, A-7
	32-80	4.5-5.5	.37		12-22	SICL, CL, C	CL, ML, MH	A-6, A-7
PIKEVILLE	0-12	4.5-5.5	.24	B	NP-4	FSL, SL, L	SM, ML	A-4
	12-30	4.5-5.5	.37		4-17	SCL, L, GR-L	SC, CL, SM-SC, CL-ML	A-4, A-6
	30-40	4.5-5.5	.10		2-18	GR-SL, GR-L, GR-SCL	SC, SM, GM	A-1-B, A-2 A-6
	40-90	4.5-5.5	.10		2-16	GRV-SL, GRV-L, GRV-SCL	GN-GM, GM, SW-SM, SM	A-1, A-2
PINE FLAT	0-8	5.1-6.5	.15	B	NP	LFS, LS	SM	A-2
	0-8	5.1-6.5	.20		NP	FSL, SL	SM	A-2, A-4
	8-37	5.1-6.0	.20		NP-5	FSL, SL, L	SM, SM-SC	A-2-4, A-4
	37-80	4.5-6.0	.20		NP-5	SCL, L, SL	SM, SM-SC	A-2-4, A-4
PIRUM	0-11	4.5-5.5	.17	B	NP-3	STV-FSL, STV-L	SM, ML	A-4
	0-11	4.5-5.5	.20		NP-3	ST-FSL, ST-L, CB-L	SM, ML	A-4
	11-36	4.5-5.5	.32		5-15	SCL, CL, L	CL, CL-ML	A-4, A-6
	36-40					UWB		
PLUMMER	0-8	3.6-4.4	.10	B/D	-	MUCK	PT	A-8
	0-8	3.6-5.5	.10		NP	LS, LFS	SM	A-2-4
	0-8	3.6-5.5	.10		NP	S, FS	SM, SP-SM	A-2-4, A-3
	8-50	3.6-5.5	.10		NP	S, FS, LS	SM, SP-SM	A-2-4, A-3
	50-72	3.6-5.5	.15		NP-10	SL, SCL, FSL	SM, SC, SM-SC	A-2-4, A-4
POARCH	0-7	4.5-5.5	.20	B	NP-5	FSL, SL	SM, SM-SC	A-4, A-2-4
	0-7	4.5-5.5	.24		NP-5	L, VFSL	ML, CL-ML	A-4
	7-32	4.5-5.5	.24		NP-1Q	L, FSL, SIL	ML, CL-ML, CL	A-4
	32-66	4.5-5.5	.24		2-10	L, FSL, SIL	ML, CL, CL-ML	A-4
PONZER	0-24	3.6-4.4		D	-	MUCK	PT	
	24-52	3.6-7.8	.24		NP-20	L, SCL, SIL	SM, ML, SC, CL	A-2, A-4, A-6
	52-72					VAR		
POPE	0-10	4.5-7.3	.37	B	3-10	L	CL, CL-ML, ML	A-4
	10-44	4.5-7.3	.37		3-22	SICL, FSL, L	CL, ML, SC, SM	A-4, A-6, A-7
	44-60					VAR		
POTTSVILLE	0-5	4.5-6.0	.28	D	0-10	CN-SIL	CL, CL-ML, SC, SC-SM	A-4
	5-9	4.5-6.0	.32		2-15	CNV-SIL, CNX-L	GC, GC-GM, SC, SC-SM	A-1-B, A-2 A-4, A-6
	9-13					WB		
PRENTISS	0-26	4.5-5.5	.28	C	NP-10	FSL, SL	SC, SM-SC, SM	A-4
	0-26	4.5-5.5	.37		NP-10	L, SIL	ML, CL, CL-ML	A-4
	26-73	4.5-5.5	.24		4-12	L, SL, FSL	CL-ML, CL, SC, SM-SC	A-6, A-4

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural		Classification -----	
				Group	P. I.	USDA	Unified	AASHTO	
PRIM	0-7	7.4-8.4	.15	D	8-20	CBX-L, CBX-SICL, CBX-CL	CL, GC, SC	A-4, A-6, A-7	
	0-7	7.4-8.4	.24		8-20	CBV-L, CBV-SICL, CBV-CL	CL, GC, SC	A-4, A-6, A-7	
	7-15	7.4-8.4	.32		8-20	CBV-L, CBX-SL, CBX-CL	CL, SC	A-4, A-6	
	15-50					WS		A-7, A-2	
PRUITTON	0-9	4.5-6.0	.37	B	3-10	SIL, L	ML, CL, CL-ML	A-4	
	9-38	4.5-6.0	.32		3-15	SIL, L	ML, CL, CL-ML	A-4, A-6	
	38-52	4.5-6.0	.24		0-11	CR-SL, CR-L, CR-SIL	ML, CL, SM, SC	A-1, A-2 A-4, A-6	
PURDY	0-9	3.6-5.5	.43	D	2-25	SIL, L, SICL	ML, CL	A-4, A-6, A-7	
	9-42	3.6-5.5	.28		2-45	SIC, C, CL	ML, CL, CH	A-4, A-6, A-7	
	42-50	3.6-5.5	.28		2-45	SIC, CL, C	ML, CL, CH	A-4, A-6, A-7	
QUITMAN	0-11	4.5-5.5	.17	C	NP-3	LFS	SM	A-2	
	0-11	4.5-5.5	.28		NP-3	FSL, L, SIL	SM, ML	A-4, A-2	
	11-18	4.5-5.5	.28		4-15	FSL, L, SCL	SC, CL, CL-ML, SM-SC	A-4, A-6	
	18-65	4.5-5.5	.28		11-20	SCL, L, CL	CL, SC	A-6, A-7	
RAINS	0-12	3.6-6.5	.15	B/D	NP-4	LS, LFS, S	SM	A-2	
	0-12	3.6-6.5	.20		NP-10	SL, FSL	SM, ML	A-2, A-4	
	0-12	4.5-6.5	.28		NP-12	VFSL, L	SM, ML, SC, CL	A-4, A-6	
	12-40	3.6-5.5	.24		4-20	SCL, CL	SC, SM-SC, CL, CL-ML	A-2, A-4, A-6	
	40-62	3.6-5.5	.28		4-28	SCL, CL, SC	SC, SM-SC, CL, CL-ML	A-4, A-6, A-7	
	62-79	3.6-5.5	.28		3-18	SL, SCL, SC	SM, SC, ML, CL	A-2, A-4, A-6	
	79-85					VAR			
RARDEN	0-5	4.5-5.5	.32	C	2-15	GR-L	CL, CL-ML, ML	A-4, A-6	
	5-9	4.5-5.5	.32		5-30	SICL, CL, SIC	CH, CL, MH, ML	A-4, A-6, A-7	
	9-32	4.5-5.5	.32		25-50	C	CH, MH	A-7	
	32-36	4.5-6.0	.32		20-50	C, SIC	CH, MH	A-7	
	36-60					WB			
RED BAY	0-6	4.5-6.0	.15	B	NP	LS, LFS	SM	A-2	
	0-6	4.5-6.0	.20		NP-10	SCL	SM-SC, SC, SM	A-2, A-4	
	0-6	4.5-6.0	.20		NP-4	SL, FSL, L	SM, SM-SC	A-2, A-4	
	6-20	4.5-6.0	.15		NP-10	SL, SCL	SM, SC, SM-SC	A-2, A-4	
	20-52	4.5-5.5	.17		4-16	SCL	SM-SC, SC	A-2, A-4, A-6	
	52-72	4.5-5.5	.24		8-21	SCL, SC	SC, CL	A-6, A-4, A-7	
REMBERT	0-5	4.5-6.5	.20	D	0-7	FSL, SL	SM, SM-SC	A-4	
	0-5	4.5-6.5	.24		5-15	CL, SCL, L	CL, CL-ML	A-4, A-6	
	5-33	4.5-5.5	.20		15-25	C, SC, CL	CL	A-6, A-7	
	33-54	4.5-5.5	.17		4-15	SCL, CL, SC	SC, SM-SC, CL, CL-ML	A-2, A-4, A-6	
	54-65	4.5-5.5	.17		NP-10	SCL, SL, LS	SC, SM, SM-SC	A-2, A-4	
REMLAP	0-7	3.6-5.0	.32	C	8-22	SICL, SIL, L	ML, CL	A-4, A-6, A-7	
	7-30	3.6-5.0	.24		30-44	C	MH	A-7	
	30-80	3.6-5.0	.24		25-41	C	MH	A-7	
RIVERVIEW	0-6	4.5-6.5	.20	B	NP	LS, LFS	SM	A-2, A-4	
	0-6	4.5-6.5	.24		NP-7	SL, FSL	ML, SM, CL-ML, SM-SC	A-2, A-4	
	0-6	4.5-6.5	.32		3-14	SIL, L, VFSL	CL, CL-ML, ML	A-4, A-6	
	6-39	4.5-6.0	.24		3-20	SCL, SICL, L	CL, ML, CL-ML	A-4, A-6	
	39-70	4.5-6.0	.17		NP-7	LFS, SL, S	SM, SM-SC	A-2, A-4	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.		-----Textural		Classification -----	
			K Group	P. I.	USDA	Unified	AASHTO	
ROANOKE	0-7	3.6-5.5	.28	D	NP-7	FSL	SM,ML,CL-ML,SM-SC	A-2,A-4
	0-7	3.6-5.5	.37		10-20	SICL,CL	CL	A-6,A-7
	0-7	3.6-5.5	.37		5-16	SIL,L	SM-SC,CL-ML,CL,SC	A-4,A-6
	7-12	3.6-5.5	.24		14-20	CL,SICL	CL	A-6,A-7
	12-50	3.6-5.5	.24		22-40	C,SIC,CL	CH,CL	A-7
	50-72	3.6-6.5	.24		NP-40	SR-S-C	CL-ML,GM-GC,CH,SM	A-1,A-2,A-4
ROBERTSDALE	0-6	4.5-6.0	.24	C	NP-7	FSL,L	SM-SC,CL-ML,SM,ML	A-4
	6-21	4.5-5.5	.28		4-10	CL,SCL,L	CL-ML,CL,SC,SM-SC	A-4
	21-74	4.5-5.5	.28		4-12	SCL,CL,L	SC,CL,CL-ML,SM-SC	A-4,A-6
ROBERTSVILLE	0-4	6.1-8.4	.32	D	10-24	SIL	MH,ML	A-6,A-7
	4-60	6.1-8.4	.32		18-34	SIC,C	CH,CL	A-7
RUMFORD	0-17	3.6-5.5	.17	B	NP	LFS,LS	SM	A-2,A-1
	0-17	3.6-5.5	.24		NP-6	FSL,SL	SM,SM-SC	A-2,A-4
	17-37	3.6-6.0	.17		NP-12	FSL,SL,SCL	SM,SC,SM-SC	A-2,A-4,A-6
	37-60	3.6-6.5	.17		NP-6	SR-SL-GR-S	SM,SP,GP,GM	A-1,A-2 A-3,A-4
RUSTON	0-16	4.5-6.5	.15	B	NP-3	GR-FSL,GR-SL,GR-L	SM	A-2-4,A-1-B
	0-16	4.5-6.5	.20		NP-3	LFS	SM	A-2-4
	0-16	4.5-6.5	.28		NP-3	FSL,SL	SM,ML	A-4,A-2-4
	16-41	4.5-6.0	.28		11-20	SCL,L,CL	SC,CL	A-6
	41-47	4.5-6.0	.32		NP-7	FSL,SL,LS	SM,ML,CL-ML,SM-SC	A-4,A-2-4
	47-80	4.5-6.0	.28		11-20	SCL,L,CL	SC,CL	A-6
SACUL	0-10	4.5-5.5	.17	C	NP	LFS,LS	SP-SM,SM	A-2
	0-10	4.5-5.5	.20		NP-3	GR-FSL,GR-L,GR-SL	SM,ML	A-4
	0-10	4.5-5.5	.32		NP-3	SL,FSL,L	SM,ML	A-4
	10-44	4.5-5.5	.32		20-40	C,SIC	CH,CL	A-7
	44-72	4.5-5.5	.37		8-32	SICL,SIL,CL	CL,CH,SC	A-6,A-7,A-4
SAFFELL	0-8	4.5-5.5	.10	B	NP	GRV-LS,GRV-LFS	GM,GP-GM	A-1,A-2
	0-8	4.5-5.5	.15		NP-3	GRV-SL,GRV-FSL	GM	A-1,A-2
	8-14	4.5-5.5	.28		4-18	GR-FSL,GR-SCL,GR-L	GC,SC,SM-SC,GM-GC	A-2,A-1
	14-47	4.5-5.5	.28		4-18	GRV-SCL,GRV-FSL,GRV-L	GC,SC,SM-SC,GM-GC	A-2,A-1
	47-72	4.5-5.5	.17		NP-15	GR-SL,GRV-SL,GR-LS	GM,GC,SM,SC	A-1,A-2,A-3
SAFFELL	0-8	4.5-5.5	.20	B	NP-3	GR-FSL,GR-SL,GR-LFS	SM	A-1,A-2,A-4
	0-8	4.5-5.5	.28		NP-3	GR-SIL,GR-L	SM	A-2,A-4
	0-8	4.5-5.5	.24		NP-3	FSL,SL,LFS	SM,ML	A-2,A-4
	8-14	4.5-5.5	.28		4-18	GR-FSL,GR-SCL,GR-L	GC,SC,SM-SC,GM-GC	A-2,A-1
	14-47	4.5-5.5	.28		4-18	GRV-SCL,GRV-FSL,GRV-L	GC,SC,SM-SC,GM-GC	A-2,A-1
	47-72	4.5-5.5	.17		NP-15	GR-SL,GRV-SL,GR-LS	GM,GC,SM,SC	A-1,A-2,A-3
SANGO	0-11	4.5-5.5	.43	C	2-9	SIL	CL-ML,ML	A-4
	11-27	4.5-5.5	.43		5-16	SIL	CL-ML,CL	A-4,A-6
	27-66	4.5-5.5	.43		5-20	SIL,SICL	CL,CL-ML	A-4,A-6,A-7
	66-99	4.5-5.5	.28		12-3	C,CR-C,SICL	MH,CH,GC,CL	A-6,A-7

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr. K	Group	P. I.	-----Textural	Classification	-----
						USDA	Unified	AASHTO
SAUCIER	0-12	3.6-5.5	.24	C	NP-4	FSL, SL	SM, ML, SM-SC	A-4
	0-12	3.6-5.5	.24		2-10	L	ML, CL-ML, CL	A-4
	12-48	3.6-5.5	.32		5-15	L, CL, SCL	CL, SM-SC, SC, CL-ML	A-6, A-4
	48-60	3.6-5.5	.32		6-25	SICL, CL, SCL	CL, SM-SC, SC, CL-ML	A-7, A-6, A-4
	60-72	3.6-5.5	.32		22-34	C, SIC, CL	CH, CL	A-7
SAVANNAH	0-11	3.6-5.5	.24	C	NP-4	FSL, SL	SM, ML	A-2-4, A-4
	0-11	3.6-5.5	.28		9-16	CL	CL	A-6, A-4
	0-11	3.6-5.5	.37		NP-7	L, SIL	ML, CL-ML	A-4
	11-28	3.6-5.5	.28		7-19	SCL, CL, L	CL, SC, CL-ML	A-4, A-6
	28-68	3.6-5.5	.24		7-19	L, CL, SCL	CL, SC, CL-ML	A-4, A-6, A-7
SAWYER	0-5	4.5-5.5	.43	C	NP-7	SIL, L	ML, CL-ML	A-4
	5-29	4.5-5.5	.37		10-20	SICL, L, SIL	CL	A-6, A-4
	29-80	4.5-5.5	.32		20-35	SIC, C	CH, CL	A-7
SCRANTON	0-7	4.5-6.5	.10	A/D	NP	S, FS	SP-SM, SM	A-2, A-3, A-1
	0-7	4.5-6.5	.15		NP	LS, LFS	SM, SP-SM	A-2, A-4
	7-41	4.5-6.0	.10		NP	LS, S, FS	SP-SM, SM	A-2, A-3, A-1
	41-72	4.5-6.0	.10		NP	S, FS	SP-SM, SM, SP	A-2, A-3, A-1
SEARCY	0-3	3.6-6.0	.20	C	NP-7	S, FSL	SM, ML, CL-ML	A-4, A-2
	0-3	3.6-6.0	.24		3-16	L, CL, SCL	CL, ML, SM-SC	A-4, A-6
	3-8	3.6-6.0	.24		11-17	CL, SCL, C	CL, SC	A-6, A-4
	8-37	3.6-6.0	.28		15-22	C, SC	CH, SC	A-7
	37-65	3.6-6.0	.28		20-35	C, SC, SIC	CH, SC	A-7
SEQUATCHIE	0-12	4.5-5.5	.32	B	2-10	L, FSL, SIL	ML, CL-ML, CL, SM	A-2, A-4
	12-46	4.5-5.5	.24		5-15	CL, L, SIL	CL-ML, CL	A-4, A-6
	46-72	4.5-5.5	.24		2-10	SL, L, FSL	ML, CL-ML, CL, SM	A-2, A-4
SEQUOIA	0-5	3.6-5.5	.32	C	12-30	SIC	CH, CL	A-6, A-7
	5-18	3.6-5.5	.28		14-37	SICL, SIC, C	CH, CL, MH, ML	A-7
	18-36					VAR		
	36-40					WB		
SHADYGROVE	0-6	4.5-5.5	.24	C	NP-7	FSL, SL	SM, SM-SC	A-2, A-4
	0-6	4.5-5.5	.37		5-16	SIL, L	CL-ML, CL	A-4, A-6
	0-6	4.5-5.5	.37		7-26	SIL, L	CL	A-4, A-6, A-7
	6-23	4.5-5.5	.32		22-40	C, CL, SC	CL, CH	A-7
	23-65	4.5-5.5	.24		22-40	FL-C, FLV-C, FLV-CL	GC, SC, CL, CH	A-7, A-2-7
SHATTA	0-6	5.1-6.5	.37	C	3-7	SIL, L, VFSL	ML, CL-ML	A-4
	6-30	4.5-6.0	.37		11-18	SICL, L, SIL	CL	A-6
	30-70	4.5-5.5	.37		8-14	L, SIL, SICL	CL	A-6, A-4
SHUBUTA	0-8	4.5-6.0	.17	C	NP	LS	SM	A-2
	0-8	4.5-6.0	.28		NP-10	SL, FSL, L	SM, ML, CL-ML, CL	A-2, A-4
	0-8	4.5-6.0	.28		10-18	CL, SCL	CL	A-6
	8-52	4.5-5.5	.28		16-40	C, SC, CL	CH, CL, SC	
	52-70	4.5-5.5	.28		15-40	C, SC, SCL	CH, CL, SC	A-6, A-7

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.			USDA	-----Textural	Classification -----	
			K	Group	P. I.			Unified	AASHTO
SIPSEY	0-16	4.5-6.0	.15	B	NP	LS		SM	A-2
	0-16	4.5-6.0	.24		NP-7	FSL, SL		SM, SM-SC	A-2, A-4
	16-31	4.5-6.0	.32		NP-15	SL, L, SCL		SM-SC, SC, CL-ML, CL	A-4, A-6
	31-60					WB			
SMITHDALE	0-11	4.5-5.5	.17	B	NP	LS, LFS		SM	A-2
	0-11	4.5-5.5	.28		NP-5	SL, FSL, L		SM, SM-SC	A-4, A-2
	11-38	4.5-5.5	.24		7-16	CL, SCL, L		SM-SC, SC, CL, CL-ML	A-6, A-4
	38-80	4.5-5.5	.28		NP-11	L, SL		SM, ML, CL, SC	A-4
SMITHTON	0-10	4.5-5.5	.32	D	NP	FSL, SL		ML, SM	A-2, A-4
	0-10	4.5-5.5	.32		NP-7	L, VFSL		SM, ML, CL-ML	A-2, A-4
	10-38	4.5-5.5	.32		2-7	FSL, L		ML, CL-ML	A-4
	38-72	4.5-5.5	.37		5-15	FSL, L, SIL		CL-ML, CL	A-4, A-6
SPADRA	0-8	4.5-6.0	.37	B	NP-3	FSL, L, SIL		ML, SM	A-2, A-4
	8-39	4.5-6.0	.37		NP-15	L, SCL, CL		CL, CL-ML, ML	A-4, A-6
	39-72	4.5-6.0	.24		NP-10	FSL, SL, GR-FSL		ML, CL, SM, SC	A-4, A-2, A-1
SPRINGHILL	0-5	4.5-5.5	.15	B	NP	LS, LFS		SM	A-2
	0-5	4.5-5.5	.20		NP	SL, FSL		SM	A-2
	0-5	4.5-5.5	.24		3-16	SCL		SM, SM-SC, SC	A-4, A-6
	5-11	4.5-5.5	.20		NP-4	SL, FSL		SM	A-2
	11-45	4.5-5.5	.24		8-21	SL, SCL		SC, CL, SM-SC	A-6, A-4
	45-65	4.5-5.5	.20		3-16	LS, SL		SM, SM-SC	A-2, A-4
STARR	0-10	5.1-6.5	.24	C	NP-7	SL, FSL		SM, SM-SC	A-4, A-2
	0-10	5.1-6.5	.28		3-12	L		ML, CL-ML, CL	A-4, A-6
	0-10	5.1-6.5	.28		3-23	SIL, SICL, SCL		ML, CL-ML, CL	A-4, A-6, A-7
	10-53	5.1-6.5	.28		3-23	CL, SIL, SICL		ML, CL-ML, CL	A-4, A-6, A-7
	53-70	5.1-6.5	.28		NP-15	GR-SI, SCL, CL		SM, SM-SC, SC	A-2, A-4, A-6
STASER	0-35	5.6-7.3	.32	B	3-15	SIL, L, FSL		CL, CL-ML, ML	A-4, A-6
	35-52	5.6-7.3	.28		5-15	SIL, L, FSL		CL, CL-ML, SC, SM-SC	A-4, A-6, A-2
STATE	0-10	3.6-5.5	.28	B	NP-15	SIL, L		SM, SC, ML, CL	A-4, A-6
	0-10	3.6-5.5	.28		NP-b	LS, LFS		SM, SM-SC	A-2, A-1
	0-10	3.6-5.5	.28		NP-7	FSL, SL		SM, ML, CL-ML, SM-SC	A-2, A-4
	10-45	3.6-5.5	.28		8-22	L, CL, SCL		CL, SC	A-4, A-6
	45-60	3.6-5.5	.17		NP-7	SR-S-FSL		SM, SM-SC, SP-SM	A-1, A-2 A-3, A-4
STEMLEY	0-7	5.1-6.5	.20	C	NP-4	CR-SL, CR-FSL		SM, SM-SC	A-2, A-1
	0-7	5.1-6.5	.24		NP-7	CR-L, CR-SIL		ML, SM, CL-ML, GM	A-4, A-2, A-1
	7-17	3.6-5.5	.28		12-20	CR-L, CR-SIL		SC, CL, GC	A-6, A-2
	17-33	3.6-5.5	.24		2-10	CR-L, CR-SIL, CR-SCL		GM-GC, GM, GC, SC	A-2, A-1
	33-65	3.6-5.5	.28		2-10	CR-L, CR-SIL, CR-SCL		CL, GM-GC, GM, SC	A-1, A-2, A-4

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.			-----Textural		Classification Unified	AASHTO
			K	Group	P. I.	USDA			
STERRETT	0-8	4.5-6.0	.24	D	NP-7	FSL, SL	ML, SM	A-4, A-2-4	
	0-8	4.5-6.0	.37		NP-7	SIL, SICL	ML	A-4	
	8-14	4.5-5.5	.32		3-20	SIL, L	ML, CL-ML, CL	A-4, A-6	
	14-58	4.5-5.5	.32		5-20	L, CL, SICL	CL, CL-ML	A-4, A-6	
	58-74	5.6-7.8	.32		3-20	L, SL, SCL	CL, SM, SC, ML	A-4, A-6	
STOUGH	0-20	4.5-5.5	.28	C	NP-7	FSL, SL	SM-SC, SM, ML, CL-ML	A-4	
	0-20	4.5-5.5	.37		NP-7	L	ML, CL-ML	A-4	
	20-26	4.5-5.5	.37		NP-8	L, FSL, SL	ML, CL, CL-ML	A-4	
	26-68	4.5-5.5	.37		8-15	SL, SCL, L	SC, CL	A-4, A-6	
SUBRAN	0-6	4.5-6.5	.20	C	NP-7	FSL, SL	SM, ML, CL-ML	A-4, A-2	
	0-6	4.5-6.5	.24		9-16	L, CL	CL, ML	A-4, A-6	
	6-33	4.5-6.0	.28		16-40	CL, C	CL, CH	A-7	
	33-65	4.5-6.0	.28		16-40	CL, C, SIC	CL, CH	A-7	
SUCARNOOCHEE	0-22	6.6-8.4	.32	D	15-35	SIC, C	CL, CH, MH	A-7	
	0-22	6.6-8.4	.32		7-25	SICL	CL	A-4, A-6, A-7	
	22-32	6.6-8.4	.32		20-40	SIC, C	MH, CH, CL	A-7	
	32-65	6.6-8.4	.32		25-45	SIC, C	CH, MH	A-7	
SUFFOLK	0-11	3.6-5.5	.24	B	NP-6	LFS, LS	SM, SM-SC	A-1, A-2, A-4	
	0-11	3.6-5.5	.28		NP-7	FSL, SL, L	SM, SM-SC, ML, CL-ML	A-2, A-4	
	11-38	3.6-5.5	.24		10-25	SCL, CL, SL	SC, CL	A-2, A-6	
	38-65	3.6-6.0	.17		NP-7	LFS, FSL, GR-S	SP, SM, SM-SC	A-1, A-2 A-3, A-4	
SULLIVAN	0-46	5.1-7.3	.32	B	3-10	L, SIL, FSL	ML, CL, CL-ML, SM	A-4	
	46-58	5.1-7.3	.32		3-10	GR-FSL, GR-L, SIL	SM, SM-SC, SC, GM	A-4, A-2	
SUMTER	0-10	6.6-8.4	.37	C	16-25	SIC, C, SICL	CL	A-7, A-6	
	0-10	6.6-8.4	.37		4-20	SIL	ML, CL-ML, CL	A-6, A-4	
	10-21	7.4-8.4	.37		16-32	SIC, C, SICL	CH, CL	A-7, A-6	
	21-28	7.4-8.4	.32		16-32	CN-SICL, SICL, SIC	CH, CL	A-6, A-7	
	28-60					WB			
SUNLIGHT	0-3	4.5-5.5	.24	D	NP-10	CN-SL, CN-SIL, CN-L	SM, ML, GM	A-4	
	0-3	4.5-5.5	.28		NP-10	SL, SIL, L	SM, ML	A-4	
	3-5	4.5-5.5	.24		4-15	CN-SL, CN-SICL, CN-L	SM-SC, GC, GM-GC, CL	A-4, A-6	
	5-12	4.5-5.5	.17		4-15	CNV-SIL, CNV-SICL, CN-L	GC, GM-GC	A-2, A-4, A-6	
	12-24					WB			
SUNSWEET	0-4	4.5-5.5	.20	C	NP	GR-SL, GR-LS	SM, GM	A-2, A-1-B	
	0-4	4.5-5.5	.24		NP	SL, LS	SM	A-2, A-1-B	
	4-11	4.5-5.5	.37		8-16	C, SC, SCL	CL, SC	A-6, A-7, A-4	
	11-60	4.5-5.5	.28		13-24	C, SC	CL	A-6, A-7	

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr. Group	P. I.	USDA	-----Textural Classification-----	Unified	AASHTO
SUSQUEHANNA	0-5	4.5-5.5	.17	D	NP	LS		SM	A-2
	0-5	4.5-5.5	.28		NP	FSL, SL		ML, SM	A-4
	0-5	4.5-5.5	.37		5-15	SIL, L		CL-ML, CL	A-4, A-6
	5-77	4.5-5.5	.32		28-56	C, SICL, SIC		CH	A-7
SYLACAUGA	0-5	4.5-6.0	.37	D	5-12	SIL, L, VFSL		CL, CL-ML	A-4, A-6
	5-50	4.5-6.0	.32		12-20	SIL, SICL, CL		CL	A-6
	50-60	4.5-6.0	.17		5-10	SR-S-GR-L		SM-SC, SC	A-2
TADLOCK	0-5	4.5-6.5	.24	B	NP-7	FSL, L		SM, SM-SC, ML, CL-ML	A-4
	5-72	4.5-6.5	.17		16-25	C, CL		CL	A-7
TAFT	0-9	4.5-5.5	.43	C	2-10	SIL		CL-ML, ML	A-4
	9-24	4.5-5.5	.43		5-16	SIL, SIC		CL-ML, CL	A-4, A-6
	24-64	4.5-5.5	.43		5-20	SIL, SICL		CL-ML, CL	A-4, A-6, A-7
	64-80	4.5-5.5	.37		12-22	SICL, C, CR-SICL		ML, GC, CL	A-6, A-7
TALBOTT	0-6	5.1-6.0	.32	C	12-32	SICL, C, SIC		CL, CH, ML, MH	A-6, A-7
	0-6	5.1-6.0	.37		8-16	SIL		CL, ML	A-4, A-6
	6-37	5.1-7.8	.24		20-45	C, SIC		CL, MH, CH	A-6, A-7
	37-41				UWB				
TALLADEGA	0-9	4.5-5.5	.28	C	NP-10	CN-SIL, CN-L		SM, SC, SM-SC, GM	A-4, A-2, A-1
	0-9	4.5-5.5	.32		NP-10	SIL, L		SM, SC, ML, SM-SC	A-4
	9-22	4.5-5.5	.28		7-15	CN-CL, CN-SIL, CN-SICL		GM, GC, SC, SM	A-4, A-6, A-2
	22-26					VAR			
	26-30					WB			
TALLAPOOSA	0-4	4.5-5.0	.20	C	NP-7	GR-FSL, GR-SL		SM, GM	A-4, A-2
	0-4	4.5-5.0	.24		1-9	GR-L, GR-SIL		SM, GM	A-4, A-5
									A-2-5
	4-10	4.5-5.0	.37		8-14	GR-L, GR-SICL, GR-CL		SC, ML, CL, GC	A-4, A-6
	10-19	4.5-5.0	.20		NP-6	GR-L		SM, ML, GM	A-4
19-60					WB				
TALLAPOOSA	0-4	4.5-5.0	.28	C	NP-7	FSL, SL		SM, ML, SM-SC, CL-ML	A-4, A-2
	0-4	4.5-5.0	.32		1-9	L, SIL		SM, ML	A-4, A-5
	4-10	4.5-5.0	.37		3-14	SICL, CL, L		ML, CL	A-4, A-6
	10-19	4.5-5.0	.20		NP-6	L		ML, SM	A-4
	19-60					WB			
TANYARD	0-6	5.1-6.0	.28	C	NP-7	SL, FSL		SM, ML	A-4
	0-6	5.1-6.0	.32		4-20	SIL, L		CL, CL-ML	A-4, A-6
	6-10	4.5-6.0	.32		4-20	L, SIL, CL		CL, CL-ML	A-4, A-6
	10-59	4.5-6.0	.28		12-28	SIL, L, SICL		CL	A-6, A-7
	59-72	5.6-7.8	.24		7-24	SCL, CL, L		SC, CL	A-4, A-6, A-7
TARBORO	0-40	4.5-6.5	10	A	NP	LS, S		SM, SP-SM, SW-SM	A-2, A-3, A-1
	40-80	4.5-6.5	10		NP	S, COS, LS		SP, SP-SM, SW-SM, SM	A-2, A-3, A-1

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.			-----Textural		Classification -----	
			K	Group	P. I.	USDA	Unified	AASHTO	
TASSO	0-8	4.5-5.5	.32	B	3-9	CR-SIL, CR-L	ML, CL, CL-ML	A-4	
	0-8	4.5-5.5	.37		3-9	SIL, L	ML, CL-ML, CL	A-4	
	8-23	4.5-5.5	.32		9-15	SIL, L, SICL	CL	A-4, A-6	
	23-34	4.5-5.5	.32		9-15	SICL, CL, CR-SICL	CL	A-4, A-6	
	34-60	4.5-5.5	.28		14-25	C, CL, SICL	CL, ML, MH, CH	A-6, A-7	
TATE	0-7	5.1-6.0	.28	B	NP-13	L, FSL	CL, ML, SM, SC	A-4, A-6	
	7-38	5.1-6.0			2-12	CL, SCL, L	CL, ML, CL-ML	A-4, A-6	
	38-72	5.1-5.5			NP-7	GR-FSL	CL, ML, GM, GM-GC	A-1, A-3, A-4	
TATUM	0-6	4.5-5.5	.15	B	NP-10	GR-FSL	ML, GC, SM	A-4	
	0-6	4.5-5.5	.15		20-40	GR-SICL, GR-CL	CL, GC, SC, CH	A-7	
	0-6	4.5-5.5	.20		NP-10	GR-SIL, GR-L, GR-VFSL	GM, ML, SM	A-4	
	6-42	4.5-5.5	.28		20-45	SICL, SIC, GR-C	MH, GM, SM, GC	A-7	
	42-46					WB			
TATUM	0-6	4.5-5.5	.20	B	NP-10	FSL	ML, CL, CL-ML, SM	A-4	
	0-6	4.5-5.5	.32		12-20	SICL, CL	CL	A-6, A-7	
	0-6	4.5-5.5	.37		5-15	SIL, L, VFSL	ML, CL, CL-ML	A-4, A-6	
	6-42	4.5-5.5	.28		20-45	SICL, SIC, C	MH, CH	A-7	
	42-46					WB			
TELLICO	0-8	4.5-5.5	.24	B	12-20	CL	CL	A-6, A-7	
	0-8	4.5-5.5	.24		3-15	L, SL	CL, CL-ML, ML	A-4, A-6	
	8-44	4.5-5.5	.28		15-27	CL, C, SC	CL, CH	A-6, A-7	
	44-58	4.5-5.5	.28		4-20	SL, CL, CN-CL	GM-GC, SM-SC, SC, GC	A-4, A-6	
	58-62					UWB		A-2, A-1	
TIFFTON	0-10	4.5-6.0	.10	B	NP	LS, S, FS	SM, SP-SM	A-2	
	0-10	4.5-6.0	.17		NP-6	SL, FSL, LFS	SM, SM-SC	A-2	
	10-18	4.5-6.0	.24		NP-7	SL, GR-SL, FSL	SM, SM-SC	A-2	
	18-33	3.6-6.0	.24		8-22	SCL, GR-SCL	SC, CL	A-2, A-6, A-4	
	33-64	4.5-5.5	.17		8-23	SCL, SC	SC, CL	A-2, A-6	
	64-85	4.5-5.5	.17		8-23	SCL, SC	SC, CL	A-7, A-4 A-4, A-6, A-7	
TILDEN	0-7	3.6-5.5	.28	C	0-5	FSL	CL-ML, ML, SC-SM, SM	A-2, A-4	
	7-26	3.6-5.5	.37		8-22	CL, SCL, L	CL	A-4, A-6, A-7	
	26-56	3.6-5.5	.32		8-25	SCL, L, SL	CL	A-4, A-6, A-7	
	56-70	3.6-5.5	.37		11-30	SCL, L, SL	CL	A-6, A-7	
TILSIT	0-9	3.6-5.5	.43	C	NP-10	SIL, L	ML, CL, CL-ML	A-4	
	9-24	3.6-5.5	.43		5-20	SIL, SICL, L	CL, CL-ML	A-4, A-6	
	24-56	3.6-5.5	.43		5-25	SIL, SICL, L	CL, CL-ML	A-4, A-6, A-7	
	56-65	3.6-5.5	.43		5-35	SIL, SICL, SIC	CL, CH, CL-ML	A-4, A-6, A-7	
	65					UWB			
TOCCOA	0-10	5.1-6.5	.10	B	NP-4	SL, LS	SM	A-2, A-4	
	0-10	5.1-6.5	.24		NP-4	FSL, L, SIL	SM, ML	A-2, A-4	
	10-60	5.1-6.5	.10		NP-4	SL, L	SM, ML	A-2, A-4	
TOWNLEY	0-6	3.6-5.5	.24	C	12-30	GR-CL, CN-CL, CN-C	CL, CH, GC, SC	A-6, A-7	
	0-6	3.6-5.5	.28		NP-10	GR-SL, GR-L, GR-SIL	ML, CL, CL-ML, GM	A-2, A-4	
	0-6	3.6-5.5	.28		NP-7	CN-SL, CN-L, CN-SIL	ML, CL-ML, SM, GM	A-2, A-4	
	6-22	3.6-5.5	.28		14-37	SICL, SIC, C	CL, ML, CH, MH	A-7	
	22-35					VAR			
	35-40					UWB			
TOWNLEY	0-6	3.6-5.5	.28	C	NP-7	SL, FSL	SM, CL-ML, ML	A-2, A-4	
	0-6	3.6-5.5	.32		12-30	SICL, CL, C	CL, CH	A-6, A-7	
	0-6	3.6-5.5	.37		NP-10	L, SIL	ML, CL, CL-ML	A-4	
	6-22	3.6-5.5	.28		14-37	SICL, SIC, C	CL, ML, CH, MH	A-7	
	22-35					VAR			
	35-40					UWB			

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural Classification -----		AASHTO
				Group	P. I.	USDA	Unified	
TOXEY	0-3	4.5-5.5	.32	D	30-40	C	CH,CL	A-7
	3-15	4.5-6.0	.32		45-60	C,SIC	CH	A-7
	15-24	6.1-8.4	.37		30-40	C,SIC,SICL	CH,CL	A-6,A-7
	24-80	7.4-8.4	.28		15-40	CL,SICL,C	CH,CL	A-6,A-7
TRINITY	0-6	7.4-8.4	.32	D	35-60	C	CH	A-7-6
	6-64	7.4-8.4	.32		35-60	C	CH	A-7-6
	64-75	7.4-8.4	.32		35-60	C	CH	A-7-6
TROUP	0-53	4.5-6.0	.10	A	NP	LS,LFS	SM,SP-SM	A-2,A-4
	0-53	4.5-6.0	.10		NP	S,FS,COS	SM,SP-SM	A-2
	53-80	4.5-5.5	.20		4-20	SCL,SL,FSL	SC,SM-SC,CL-ML,CL	A-4,A-2,A-6
TUMBLETON	0-4	4.5-6.5	.15	C	NP	GR-SL,GR-LS	SM	A-1,A-2,A-4
	0-4	4.5-6.5	.20		NP-6	SL,LS	SM,SM-SC,ML,CL-ML	A-2-4,A-4
	4-10	3.6-5.5	.32		15-25	SC,SCL	SC,CL	A-6,A-7
	10-49	3.6-5.5	.32		22-45	SC,C	CH,CL,SC	A-7,A-7-5
	49-56	3.6-5.5	.32		16-47	SC,C,SCL	CH,CL,SC,MH	A-6,A-7
	56-72					VAR		
TUPELO	0-8	4.5-6.0	.32	D	8-20	SICL,CL	CL,ML	A-4,A-6,A-7
	0-8	4.5-6.0	.37		3-10	SIL,L	CL-ML,CL,ML	A-4
	8-15	4.5-6.0	.32		9-27	SICL,SIC,SIL	CL,CH,MH	A-6,A-7,A-4
	15-65	5.1-8.4	.28		17-40	C,SIC,SICL	CH,MH,CL	A-7
TUSCUMBIA	0-4	5.1-8.4	.32	D	15-25	SIC,C	CL	A-7,A-6
	0-4	5.1-8.4	.32		15-25	SICL,CL,SCL	CL	A-6,A-7-6
	4-50	5.1-8.4	.28		30-50	C,SIC,SICL	CH	A-7
TUSOUITEE	0-13	4.5-6.5	.24	B	NP-7	FSL,SL	SM,SM-SC	A-2,A-4
	0-13	4.5-6.5	.28		NP-7	L,SIL	ML,CL-ML,CL,SM	A-4,A-5
	13-26	4.5-6.0	.20		6-15	L,SL,FSL	SM-SC,SM,ML,CL-ML	A-4,A-6
	26-47	4.5-6.0	.17		6-15	ST-L,ST-FSL,ST-SL	SM,SM-SC	A-2,A-4
	47-65	4.5-6.0	.15		NP-7	STV-L,STV-FSL,STV-SL	SM,SM-SC,GM	A-2,A-4,A-1
TYLER	0-11	4.5-5.5	.43	C	2-10	SIL	CL-ML,ML	A-4
	11-34	4.5-5.5	.43		5-16	SIL,SICL	CL,CL-ML	A-4,A-6
	34-60	4.5-5.5	.43		5-20	SIL,SICL	CL,CL-ML	A-4,A-6,A-7
	60-85	4.5-5.5	.37		12-22	SICL,C,CR-SICL	CL,GC,ML	A-6,A-7
UCHEE	0-26	4.5-5.5	.10	A	NP	LS,S,LFS	SM	A-2,A-1-B
	26-39	4.5-5.5	.24		6-20	SL,SCL	SC,SM-SC	A-2,A-4,A-6
	39-47	4.5-5.5	.28		18-38	SCL,SC,C	MH,CH,CL,SC	A-7
	47-66	4.5-5.5	.28		15-35	SL,SCL,SC	MH,CH,CL,SC	A-6,A-7
	66-84	4.5-5.5	.24		NP-7	SL,LS	SP-SM,SM,SM-SC	A-2-7
UNA	0-6	4.5-5.5	.32	D	20-40	C,SICL,SIC	CH,CL	A-7
	0-6	4.5-5.5	.32		3-22	CL,L,SCL	CL,ML,SC,CL-ML	A-6,A-4
	6-57	4.5-5.5	.28		20-40	C,SICL,SIC	CH,CL	A-7
URBO	0-9	4.5-5.5	.28	D	20-36	CL,SIC,C	CL,CH	A-7
	0-9	4.5-5.5	.49		15-25	SICL,SIL	CL	A-6
	9-71	4.5-5.5	.28		20-36	SIC,CL,SICL	CL,CH	A-7
VAIDEN	0-4	4.5-6.5	.32	D	20-30	SIC,C,SICL	MH,CH	A-7
	4-26	4.5-6.0	.32		30-50	C	CH,MH	A-7
	26-80	4.5-7.8	.32		30-52	C	CH	A-7

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	k	Hydr- Group	P. I.	USDA	-----Textural Classification----- unified	AASHTO
VANCE	0-5	4.5-6.0	.15	C	NP-7	GR-SL,GR-COSL	SM,GM,GM-GC,SM-SC	A-1,A-2
	0-5	4.5-6.0	.24		NP-7	FSL,SL,COSL	SM,SM-SC	A-2,A-4
	29-72					VAR		
VARINA	0-14	4.5-6.5	15	C	NP-3	LS	SM,SP-SM	A-2
	0-14	4.5-6.5	17		NP-7	SL	SM,SM-SC	A-2,A-4
	14-38	4.5-5.5	28		11-25	SC,CL,C	SC,MH,ML,SM	A-6,A-7
	38-80	4.5-5.5	28		8-26	SC,CL,C	CL,SC,CH	A-4,A-6,A-7
WAGRAM	0-24	4.5-6.0	.10	A	NP	FS,S	SP-SM,SM	A-1,A-2,A-3
	0-24	4.5-6.0	.15		NP	LS,LFS	SM,SP-SM	A-2,A-3
	24-75	4.5-6.0	.20		8-25	SCL,SL	SC	A-2,A-4 A-6,A-7
WAHEE	0-11	4.5-6.0	.24	D	NP-7	SL,FSL	SM,SM-SC	A-2,A-4
	0-11	4.5-6.0	.28		2-10	L,SIL,VFSL	ML,CL-ML,CL	A-4
	11-56	3.6-5.5	.28		16-54	C,CL,SIC	CL,CH	A-6,A-7
	56-65					VAR		
WATSONIA	0-3	4.5-6.5	.32	D	16-31	C,SIC	CL,CH	A-7,A-6
	3-12	4.5-6.5	.32		45-60	C,SIC	CH	A-7
	12-16	7.4-8.4	.37		40-60	C,SIC	CH	A-7
	16-30					MARL		
WAX	0-10	4.5-6.0	.32	C	NP-7	FSL	SM,SM-SC,ML	A-2,A-4
	0-10	4.5-6.0	.37		NP-7	L,SIL	SM,SM-SC,ML,CL-ML	A-4
	10-30	4.5-5.5	.37		6-18	CL,L,SICL	CL,CL-ML	A-6,A-4
	30-60	4.5-5.5	.15		4-10	CR-CL,CR-L,CR-SCL	GM-GC,SM-SC,GC,SC	A-2-4,A-4 A-1-B
WAYNESBORO	0-10	4.5-5.5	.28	B	2-9	L,FSL,CL	ML,CL-ML,CL,SM	A-4
	0-10	4.5-5.5	.37		5-15	SIL,SICL	CL-ML,CL	A-4,A-6
	10-16	4.5-5.5	.28		9-17	CL,L,SCL	CL,ML,SC	A-4,A-6,A-7
	16-60	4.5-5.5	.28		9-32	CL,SC,C	MH,CL,ML	A-4,A-6,A-7
WEDOWEE	0-10	4.5-5.5	.24	B	NP-6	SL,FSL,L	SM,SM-SC	A-4,A-2-4
	0-10	4.5-5.5	.15		NP-6	GR-SL,GR-FSL,GR-L	SM,SM-SC	A-4,A-2,A-1
	0-10	4.5-5.5	.28		5-15	SCL,CL	SC,CL,CL-ML,SM-SC	A-4,A-6
	10-14	4.5-5.5	.28		NP-15	L,SCL	SM,SC,CL,ML	A-4,A-6
	14-32	4.5-5.5	.28		10-25	SC,CL,C	SC,ML,CL,MH	A-6,A-7
	32-60	4.5-5.5	.28		5-15	SCL,CL,SL	SC,SM-SC,CL,CL-ML	A-2,A-4,A-6
WEHADKEE	0-8	4.5-6.5	.24	D	NP-10	FSL,L,SL	SM,SC,SM-SC	A-2,A-4
	0-8	4.5-6.5	.32		10-24	SIL,SICL	CL,MH,ML	A-6,A-7
	8-40	4.5-6.5	.32		7-25	L,SCL,CL	ML,CL,CL-ML	A-6,A-7,A-4
	40-50					VAR		

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	K	Hydr.		-----Textural Classification-----		
				Group	P.I.	USDA	Unified	AASHTO
WEOGUFKA	0-4	4.5-6.0	.17	C	NP-10	CNV-SL,CNV-SIL,CNV-L	GMM,SM,ML	A-2,A-4
	0-4	4.5-6.0	.20		NP-10	CN-SL,CN-SIL,CN-L	SM,ML,GM	A-2,A-4
	4-10	4.5-5.5	.20		NP-10	CNV-L,CNV-SICL,CNV-CL	GM,GM-GC,SM,SM-SC	A-2,A-1-B
	10-28					WB		A-1-A
	28-32					UWB		
WESTON	0-9	4.5-6.0	.20	D	NP-3	LFS	SM	A-2,A-4
	0-9	4.5-6.0	.24		NP-3	FSL,SL	ML,SM	A-4
	9-44	4.5-5.0	.24		NP-5	SL,L,FSL	SM,SM-SC,ML,CL-ML	A-4
	44-54	4.5-5.0	.32		NP-15	SR-S-C	SM,ML,CL,CL-ML	A-4,A-6
WHITWELL	0-9	4.5-6.0	.32	C	3-10	L,SIL	ML,CL-ML,CL	A-4
	0-9	4.5-6.0	.32		3-10	SL	SM,SC,SM-SC	A-2,A-4
	9-72	4.5-5.5	.32		3-15	CL,L,SIL	CL,CL-ML,ML,SC	A-1-B A-4,A-6
WICKHAM	0-9	4.5-6.0	.15	B	NP	LS,LFS	SM	A-2
	0-9	4.5-6.0	.24		NP-7	SL,FSL,L	SM,SM-SC,ML,CL-ML	A-4
	0-9	4.5-6.0	.24		5-15	SCL,CL	CL-ML,CL,SC,SM-SC	A-2,A-4,A-6
	9-40	4.5-6.0	.24		5-15	SCL,CL,L	CL-ML,CL,SC,SM-SC	A-2,A-4
	40-70					VAR		A-7-6
WICKSBURG	0-26	4.5-6.0	.05	B	NP	GR-COS	SP,SP-SM	A-1
	0-26	4.5-6.0	.10		NP	LS,LFS	SM	A-2
	0-26	4.5-6.0	.10		NP	S,FS	SM,SP-SM	A-2,A-3
	26-30	4.5-5.5	.20		NP-15	SCL,CL	SC,SM-SC,CL,CL-ML	A-4,A-6
	30-65	4.5-5.5	.24		12-20	CL,SC,C	CL	A-6,A-7
WILCOX	0-5	4.5-5.5	.37	D	15-30	SICL,CL,SIL	CL,CH	A-7,A-6
	0-5	4.5-5.5	.37		25-40	SIC	CH	A-7
	5-50	3.6-5.5	.32		22-46	C,SIC,SICL	CH,MH	A-7
	50-57	3.6-5.5	.28		39-55	C	CH	A-7
	57-73					WB		
WILKES	0-6	5.1-6.5	.15	C	NP-7	STX-SL,STX-L	SM,SM-SC	A-2,A-4
	0-6	5.1-6.5	.17		NP-7	GR-SL,GR-L,GR-FSL	SM,SM-SC	A-1-B A-2,A-4
	0-6	5.1-6.5	.17		NP-7	STV-SL,STV-L	SM,SM-SC	A-1-B A-2,A-4
	6-13 13-48	5.6-7.8	.28		11-35	SICL,ST-C,ST-SCL WB	CL,CH,MH	A-1-B A-6,A-7
WILKES	0-6	5.1-6.5	.24	C	NP-7	SL,L,FSL	ML,SM	A-2,A-4
	0-6	5.1-6.5	.28		10-25	SCL,CL	CL,SC	A-6,A-7
	6-13	6.1-7.8	.32		11-35	CL,C,SCL	CL,CH	A-6,A-7
	13-48					WB		
WILLIAMSVILLE	0-12	4.5-5.5	.32	C	3-10	FSL,SL,L	SM-SC,CL-ML,SC,ML	A-4
	0-12	4.5-5.5	.17		NP-3	LS	SM	A-2
	12-48	4.5-5.5	.24		20-36	C,SC,CL	CL,CH	A-6,A-7
	48-72	4.5-5.5	.24		8-20	SCL,L,SL	SC,CL	A-4,A-6
	72-80	4.5-5.5	.24		NP-3	LS,SL	SM	A-2,A-4
WCLFTEVER	0-7	4.5-5.5	.37	C	3-12	SICL,SIL	CL-ML,CL,ML	A-4,A-6
	7-15	4.5-5.5	.32		7-15	SIC,SICL,SIL	ML,CL	A-4,A-6
	15-53	4.5-5.5	.32		11-20	SIC,SICL,C	ML,MH	A-7
	53-89	4.5-5.5	.32		5-20	L,CL,SICL	CL-ML,CL	A-6,A-7,A-4

Table Soils-4 Soil Characteristics for Principal Soils in Alabama <sup>1</sup>

Name	Depth (In)	pH	Hydr.		-----Textural		Classification -----	
			K Group	P. I.	USDA	Unified	AASHTO	
WORSHAM	0-8	4.5-5.5	.28	D	NP-9	FSL, SL	SM, SC, ML, CL	A-2, A-4
	0-8	4.5-5.5	.37		4-12	L, SIL	CL, CL-ML	A-4, A-6
	8-50	4.5-5.5	.28		22-40	SCL, SC, C	SC, CH, CL	A-2, A-7
	50-70	4.5-5.5	.28		8-30	SL, SCL, CL	SC, CL	A-2, A-4 A-6, A-7
WYNNVILLE	0-7	3.6-5.5	.24	C	NP-7	FSL, L, SL	SM, SM-SC, ML, CL-ML	A-4
	0-7	3.6-5.5	.28		2-14	SIL	ML, CL-ML, CL	A-4, A-6
	7-23	3.6-5.5	.24		3-10	L, SCL, SIL	SM-SC, SC, CL-ML, CL	A-4
	23-48	3.6-5.5	.20		3-13	L, SCL, SL	SM-SC, SC, CL-ML, CL	A-4, A-6
	48-72	3.6-5.5	.20		3-13	L, SCL, CL	SM-SC, SC, CL-ML, CL	A-4, A-6
YEMASSEE	0-12	3.6-6.0	.15	C	NP-4	LS, LFS	SM	A-2
	0-12	3.6-6.0	.20		NP-7	SL, FSL	SM	A-2, A-4
	12-50	3.6-5.5	.20		4-18	SCL, CL, FSL	CL, SC, CL-ML, SM-SC	A-2, A-4, A-6
	50-75	3.6-5.5	.20		NP-20	SCL, FSL, SC	SC, SM, CL-ML, SM-SC	A-2, A-4, A-6
	75-90					VAR		
YONGES	0-14	5.1-7.8	.15	D	NP-7	LFS	SM, ML	A-2, A-4
	0-14	5.1-7.8	.20		NP-7	SL, FSL	SM, SM-SC, ML	A-4
	0-14	5.1-7.8	.28		3-15	L, SIL	CL-ML, CL, ML	A-4, A-6
	14-42	5.1-8.4	.17		6-28	SCL, CL, SC	CL-ML, CL, SC, SM-SC	A-4, A-6, A-7
	42-60	6.1-8.4	.20		3-22	FSL, SCL	CL, ML, SC, SM	A-4, A-6