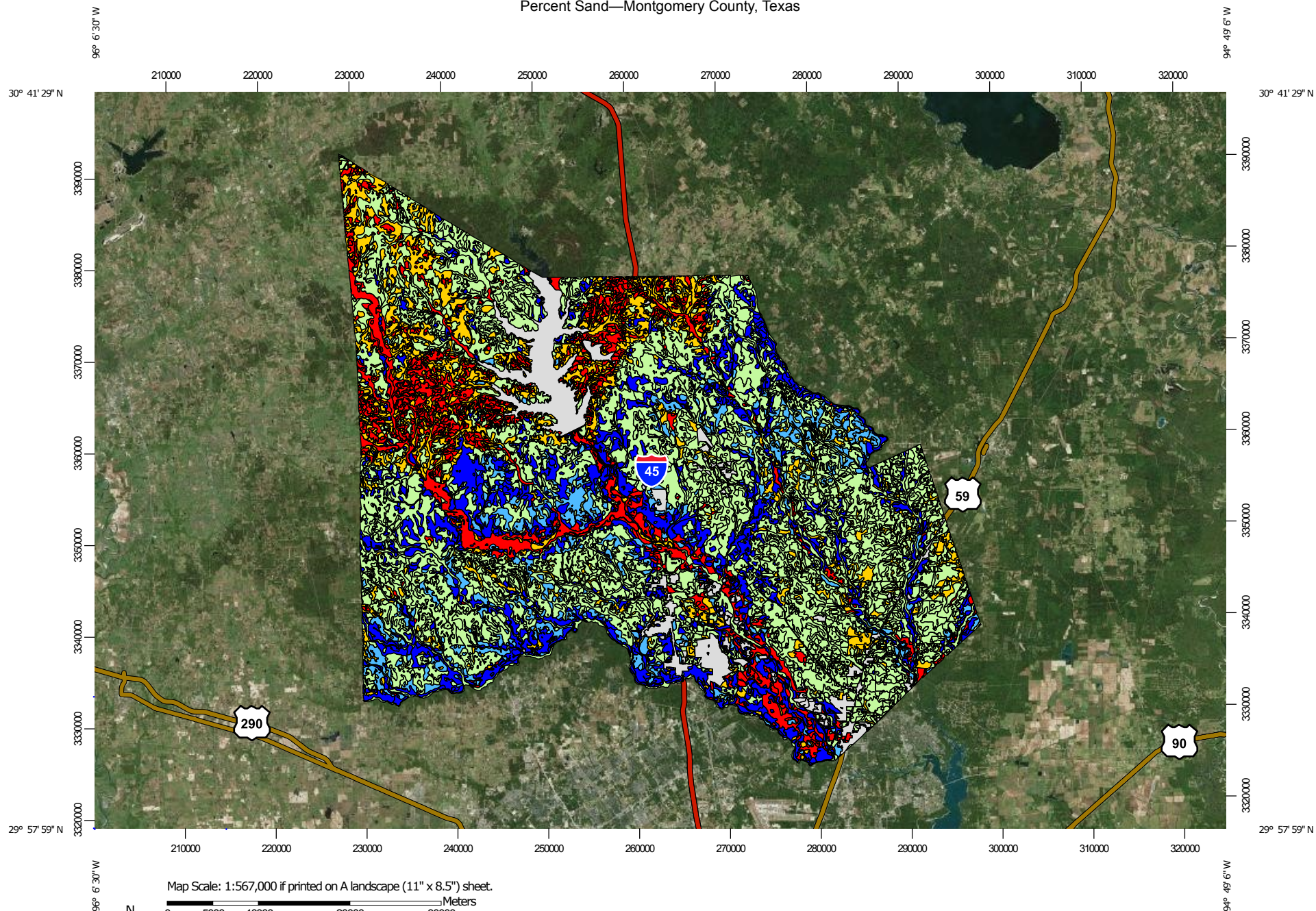


Percent Sand—Montgomery County, Texas



Map Scale: 1:567,000 if printed on A landscape (11" x 8.5") sheet.

0 5000 10000 20000 30000 Meters

0 25000 50000 100000 150000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey







2/4/2018
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MAP LEGEND







Area of Interest (AOI)

Soils







Soil Rating Polygons

-  ≤ 24.4
-  > 24.4 and ≤ 41.1
-  > 41.1 and ≤ 57.2
-  > 57.2 and ≤ 74.4
-  > 74.4 and ≤ 96.5
-  Not rated or not available


Soil Rating Lines

-  ≤ 24.4
-  > 24.4 and ≤ 41.1
-  > 41.1 and ≤ 57.2
-  > 57.2 and ≤ 74.4
-  > 74.4 and ≤ 96.5
-  Not rated or not available







Soil Rating Points

-  ≤ 24.4
-  > 24.4 and ≤ 41.1
-  > 41.1 and ≤ 57.2
-  > 57.2 and ≤ 74.4
-  > 74.4 and ≤ 96.5
-  Not rated or not available

Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads
- Background**
-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Montgomery County, Texas

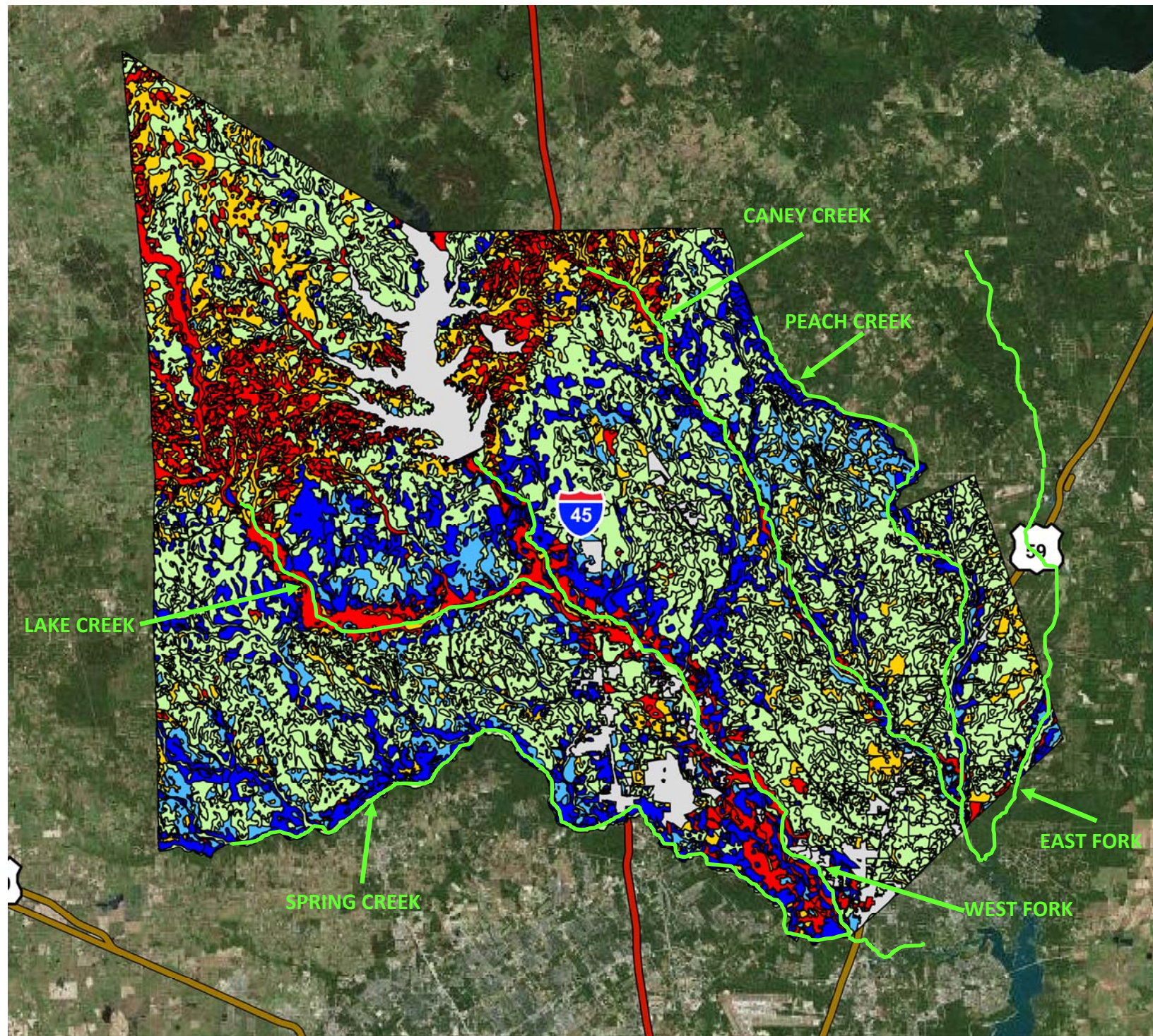
Survey Area Data: Version 15, Nov 7, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

This Page added to original doc to show location of streams and other tributaries:
Blue colors indicates highest percentage of sand; red colors indicate low percentage.



Compiled by Charlie Fahrmeier using NRCS data .

Percent Sand

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
Ab	Landman fine sand	82.1	19,071.7	2.8%
An	Angie fine sandy loam	34.1	1,820.9	0.3%
AtaC	Atasco fine sandy loam, 2 to 5 percent slopes	45.3	2,191.0	0.3%
AtuC	Atasco-Urban land complex, 2 to 5 percent slopes	42.4	695.5	0.1%
Bb	Bibb soils, frequently flooded	49.5	9,646.3	1.4%
BelB	Belrose loamy fine sand, 0 to 3 percent slopes	81.7	5,530.8	0.8%
BemA	Belrose-Caneyhead frequently ponded complex, 0 to 1 percent slopes	70.7	1,514.1	0.2%
BeuB	Belrose-Urban land complex, 0 to 3 percent slopes	74.4	1,134.6	0.2%
BevA	Bevil clay, 0 to 1 percent slopes	18.2	41.7	0.0%
BisA	Bissonnet loam, 0 to 1 percent slopes	14.9	13,939.1	2.0%
BitA	Bissonnet-Aldine complex, 0 to 1 percent slopes	19.0	1,815.9	0.3%
BiuA	Bissonnet-Urban land complex, 0 to 1 percent slopes	14.9	1,229.2	0.2%
BIC	Betis fine sand, 0 to 5 percent slopes	91.6	20,234.6	2.9%
BID	Betis fine sand, 5 to 12 percent slopes	91.6	2,634.1	0.4%
BoyC	Boy loamy fine sand, 1 to 5 percent slopes	84.3	32,017.8	4.6%
BozA	Boy-Urban land complex, 0 to 1 percent slopes	84.3	3,248.5	0.5%
BP	Pits, borrow		39.4	0.0%
Br	Bruno loamy fine sand	82.9	693.2	0.1%
Bu	Burleson clay, 1 to 3 percent slopes	22.9	2,122.4	0.3%
CamA	Camptown silt loam, 0 to 1 percent slopes, frequently ponded	32.8	18.8	0.0%

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
Ch	Alaga fine sand	91.8	2,236.6	0.3%
CnC	Conroe gravelly loamy fine sand, 0 to 5 percent slopes	46.1	20,295.4	2.9%
CoC	Conroe loamy fine sand, 0 to 5 percent slopes	46.1	77,399.5	11.2%
CoD	Conroe loamy fine sand, 5 to 12 percent slopes	46.1	2,664.1	0.4%
DAM	Dams		116.8	0.0%
Ek	Wockley fine sandy loam, 0 to 1 percent slopes	50.9	435.7	0.1%
Eu	Betis loamy fine sand	78.5	5,742.8	0.8%
FcC2	Latium clay, 1 to 5 percent slopes, eroded	22.1	11,347.9	1.6%
FcD2	Latium clay, 5 to 8 percent slopes, eroded	22.1	5,113.0	0.7%
FgD	Latium-Gullied land complex, 3 to 8 percent slopes	22.1	1,173.1	0.2%
Fs	Lilbert loamy fine sand	63.3	28,973.5	4.2%
Ft	Lilbert loamy fine sand, terrace	63.3	1,961.2	0.3%
Ga	Garner clay	17.6	2,421.4	0.4%
Gu	Gunter fine sand	79.0	3,192.5	0.5%
HatA	Hatcliff-Pluck-Kian complex, 0 to 1 percent slopes, frequently flooded	57.2	19,347.6	2.8%
Ho	Hockley loamy fine sand, 1 to 3 percent slopes	55.8	2,445.4	0.4%
Hs	Bleiberville clay	17.7	6,520.0	0.9%
JayA	Jayhawker silt loam, 0 to 1 percent slopes, frequently ponded	37.4	365.6	0.1%
Ka	Katy fine sandy loam, 0 to 1 percent slopes	43.9	990.3	0.1%
KanA	Kaman clay, 0 to 1 percent slopes, frequently flooded	5.5	19,805.8	2.9%
Kc	Kaufman clay, frequently flooded	8.2	3,051.2	0.4%
KefB	Kenefick very fine sandy loam, 0 to 3 percent slopes	68.0	929.0	0.1%

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
KenA	Kenefick-Caneyhead frequently ponded complex, 0 to 1 percent slopes	61.7	304.1	0.0%
KeuA	Kenefick-Urban land complex, 0 to 1 percent slopes	68.0	156.6	0.0%
KIB	Crockett fine sandy loam, 1 to 3 percent slopes	32.1	4,579.2	0.7%
KnA	Normangee soils, 0 to 1 percent slopes	27.1	427.0	0.1%
KpB	Normangee clay loam, 1 to 3 percent slopes	25.3	2,715.2	0.4%
Ks	Kosse soils, frequently flooded	41.1	3,376.1	0.5%
Le	Rentzel loamy fine sand	70.6	547.3	0.1%
LelA	Lelavale silt loam, 0 to 1 percent slopes, frequently ponded	26.4	1,780.1	0.3%
Lu	Briley loamy fine sand	65.1	1,069.6	0.2%
ObC2	Woodville soils, 2 to 5 percent slopes, eroded	24.4	6,684.5	1.0%
Oc	Osier-Alaga complex, rarely flooded	93.5	908.2	0.1%
PITX	Pits		2,848.0	0.4%
Ro	Kirbyville fine sandy loam	62.9	5,092.2	0.7%
SegB	Segno fine sandy loam, 1 to 3 percent slopes	49.8	16,856.4	2.4%
SegC	Segno fine sandy loam, 3 to 5 percent slopes	38.0	5.9	0.0%
SeuB	Segno-Urban land complex, 1 to 3 percent slopes	49.8	2,978.1	0.4%
SeuC	Segno-Urban land complex, 3 to 5 percent slopes	38.0	67.5	0.0%
SimA	Simelake clay, 0 to 1 percent slopes, frequently flooded	14.3	44.6	0.0%
SolA	Sorter silt loam, 0 to 1 percent slopes	39.1	6,615.0	1.0%
SosA	Sorter-Tarkington complex, 0 1 percent slopes	51.5	32,660.1	4.7%
SouA	Sorter-Urban land complex, 0 to 1 percent slopes	51.5	14,464.6	2.1%

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
SplB	Splendora fine sandy loam, 0 to 2 percent slopes	52.8	38,611.7	5.6%
SpmA	Splendora-Urban land complex, 0 to 2 percent slopes	52.8	9,600.7	1.4%
SpuB	Spurger very fine sandy loam, 0 to 3 percent slopes	31.6	143.0	0.0%
Ss	Conroe soils	50.3	3,111.4	0.5%
SuC	Woodville fine sandy loam, 1 to 5 percent slopes	26.1	35,327.5	5.1%
SuD	Woodville fine sandy loam, 5 to 12 percent slopes	27.9	7,101.3	1.0%
Tc	Trinity clay, frequently flooded	8.9	617.8	0.1%
TelB	Texla silt loam, 0 to 2 percent slopes	21.0	456.7	0.1%
Th	Gowker sandy clay loam, overwash, frequently flooded	36.5	4,452.3	0.6%
TurB	Turkey sand, 1 to 3 percent slopes	89.8	478.5	0.1%
URLX	Urban land		13,717.0	2.0%
VamA	Vamont clay, 0 to 1 percent slopes	5.1	58.6	0.0%
VorA	Voss sand, 0 to 1 percent slopes, occasionally flooded	93.5	2,413.0	0.3%
VosA	Voss sand, 0 to 1 percent slopes, rarely flooded	96.5	279.4	0.0%
W	Water		24,094.6	3.5%
WalA	Waller silt loam, 0 to 1 percent slopes	35.1	7,308.7	1.1%
WarA	Waller-Dallardsville complex, 0 to 1 percent slopes	35.8	164.7	0.0%
WatA	Waller-Tarkington complex, 0 to 1 percent slopes	38.3	4,100.6	0.6%
WauA	Waller-Urban land complex, 0 to 1 percent slopes	35.8	3,285.4	0.5%
WesA	Westcott very fine sandy loam, 0 to 1 percent slopes	46.1	14,641.8	2.1%

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
WetA	Westcott-Plumgrove complex, 0 to 1 percent slopes	45.3	6,316.0	0.9%
WeuA	Westcott-Urban land complex, 0 to 1 percent slopes	45.5	5,164.6	0.7%
WkC	Fetzer loamy fine sand, 1 to 5 percent slopes	51.2	49,872.7	7.2%
WkD	Fetzer loamy fine sand, 5 to 12 percent slopes	51.2	18,438.8	2.7%
WocB	Wockley fine sandy loam, 1 to 3 percent slopes	48.0	51.5	0.0%
Totals for Area of Interest			690,156.4	100.0%

Description

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In the database, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: percent

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)