

CONVENTIONAL AND SPECIAL
SYMBOLS LEGEND

CULTURAL FEATURES

BOUNDARIES	
National, state or province	
County or parish	
Minor civil division	
Reservation (national forest or park, state forest or park, and large airport)	
Land grant	
Limit of soil survey (label)	
Field sheet matchline & neatline	
AD HOC BOUNDARY (label)	
Small airport, airfield, park, oilfield, cemetery, or flood pool	
STATE COORDINATE TICK	
LAND DIVISION CORNERS (sections and land grants)	
ROADS	
Divided (median shown if scale permits)	
Other roads	
Trail	
ROAD EMBLEM & DESIGNATIONS	
Interstate	
Federal	
State	
County, farm or ranch	
RAILROAD	
POWER TRANSMISSION LINE (normally not shown)	
PIPE LINE (normally not shown)	
FENCE (normally not shown)	
LEVEES	
Without road	
With road	
With railroad	
DAMS	
Large (to scale)	
Medium or small	
PITS	
Gravel pit	
Mine or quarry	

MISCELLANEOUS CULTURAL FEATURES	
Farmstead, house (omit in urban areas)	
Church	
School	
Indian mound (label)	
Located object (label)	
Tank (label)	
Wells, oil or gas	
Windmill	
Kitchen midden	

WATER FEATURES

DRAINAGE	
Perennial, double line	
Perennial, single line	
Intermittent	
Drainage end	
Canals or ditches	
Double-line (label)	
Drainage and/or irrigation	
LAKES, PONDS AND RESERVOIRS	
Perennial	
Intermittent	
MISCELLANEOUS WATER FEATURES	
Marsh or swamp	
Spring	
Well, artesian	
Well, irrigation	
Wet spot	

SPECIAL SYMBOLS FOR
SOIL SURVEY

SOIL DELINEATIONS AND SYMBOLS	
ESCARPMENTS	
Bedrock (points down slope)	
Other than bedrock (points down slope)	
SHORT STEEP SLOPE	
GULLY	
DEPRESSION OR SINK	
SOIL SAMPLE SITE (normally not shown)	
MISCELLANEOUS	
Blowout	
Clay spot	
Gravelly spot	
Gumbo, slick or scabby spot (sodic)	
Dumps and other similar non soil areas	
Prominent hill or peak	
Rock outcrop (includes sandstone and shale)	
Saline spot	
Sandy spot	
Severely eroded spot	
Slide or slip (tips point upslope)	
Stony spot, very stony spot	

SOIL LEGEND

Map symbols will be published as arabic numbers. Most units in the legend are narrowly defined. Soil names followed by the superscript 1/ are broadly defined units. These units were mapped at a lower intensity and in larger delineations, but mapping has been controlled well enough to be interpreted for the expected use of the soils.

SYMBOL	NAME
1	Abilene loam, 0 to 1 percent slopes
2	Abilene loam, 1 to 3 percent slopes
3	Bonti fine sandy loam, 1 to 3 percent slopes
4	Bonti-Callahan-Exray complex, 1 to 8 percent slopes
5	Callahan loam, 1 to 3 percent slopes
6	Callahan loam, 2 to 5 percent slopes, eroded
7	Chaney loamy fine sand, 1 to 3 percent slopes
8	Chaney stony sandy loam, 1 to 8 percent slopes
9	Chaney Variant loamy fine sand, 0 to 1 percent slopes
10	Cho gravelly loam, 1 to 5 percent slopes
11	Cisco loamy fine sand, 1 to 3 percent slopes
12	Cisco fine sandy loam, 1 to 3 percent slopes
13	Cisco fine sandy loam, 1 to 5 percent slopes, eroded
14	Cisco-Hext-Pedernales complex, 1 to 5 percent slopes
15	Cisco-Hext-Pedernales association, undulating 1/
16	Demona-Patilo complex, 1 to 5 percent slopes
17	Frio clay loam, occasionally flooded
18	Frio-Gageby association, frequently flooded 1/
19	Gageby loam, occasionally flooded
20	Hext-Oplin-Brackett association, hilly 1/
21	Leeray clay, 0 to 1 percent slopes
22	Leeray clay, 1 to 3 percent slopes
23	Lueders-Speck association, undulating 1/
24	Mereta clay loam, 1 to 3 percent slopes
25	Nukrum clay, 1 to 3 percent slopes
26	Nukrum clay, 3 to 5 percent slopes
27	Nuvalde clay loam, 1 to 3 percent slopes
28	Oplin-Speck association, undulating 1/
29	Owens-Throck association, hilly 1/
30	Pedernales loamy fine sand, 1 to 3 percent slopes
31	Pedernales fine sandy loam, 1 to 3 percent slopes
32	Pedernales fine sandy loam, 1 to 3 percent slopes, eroded
33	Pits
34	Rowden clay loam, 1 to 3 percent slopes
35	Rowena clay loam, 0 to 1 percent slopes
36	Rowena clay loam, 1 to 3 percent slopes
37	Sagerton loam, 0 to 1 percent slopes
38	Sagerton loam, 1 to 3 percent slopes
39	Speck clay loam, 1 to 3 percent slopes
40	Speck-Throck association, gently undulating 1/
41	Throck clay loam, 2 to 5 percent slopes
42	Throck-Callahan-Owens association, undulating 1/
43	Throck-Owens-Lueders association, hilly 1/
44	Throck-Speck association, undulating 1/