



LIST OF MAP UNITS

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| asa | ALLUVIAL SAND, SILT, CLAY, AND GRAVEL |
| ale | ALLUVIAL SILT AND CLAY |
| afa | ALLUVIAL-FAN DEPOSIT |
| es | EOLIAN SHEET SAND |
| ed | DUNE SAND |
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| asi | ALLUVIAL, LACUSTRINE, AND EOLIAN DEPOSIT |
| oc | PLAYA CLAY |
| cga | CALCRETE-CLAST LOAM TO SANDY LOAM COLLUVIUM |
| cbf | BOULDERY SANDY COLLUVIUM |
| cbm | LIMESTONE-CLAST LOAMY COLLUVIUM |
| cbo | LIMESTONE-CLAST SILTY CLAY COLLUVIUM |
| cse | RED SILTSTONE- AND SHALE-CLAST LOCALLY GYPSIFEROUS LOAMY COLLUVIUM |
| csf | PEBBLY SANDY CLAY LOAM COLLUVIUM |
| csi | QUARTZ SANDSTONE-CLAST SANDY COLLUVIUM |
| csj | LIMESTONE-, SHALE-, SANDSTONE-, AND CALCRETE-CLAST LOAMY COLLUVIUM |
| cla | SANDSTONE- AND SHALE-CLAST COLLUVIUM |
| clf | ACID SHALE-CHIP CLAY-LOAM COLLUVIUM |
| cll | SHALE- AND SLABBY LIMESTONE-CLAST COLLUVIUM |
| clm | SHALE- AND SILTSTONE-CLAST LOAMY COLLUVIUM |
| clq | SANDSTONE- AND SHALE-CLAST LOAMY COLLUVIUM |
| clt | SHALE-CLAST CLAYEY COLLUVIUM |
| ccj | LIMESTONE- AND SANDSTONE-CLAST LOAMY COLLUVIUM |
| xba | SHALE- AND LIMESTONE-CLAST DISINTEGRATION RESIDUUM |
| xsb | QUARTZ SAND DISINTEGRATION RESIDUUM |
| xlc | RED SILTY CLAY DISINTEGRATION RESIDUUM |
| xld | RED SILTY CLAY DISINTEGRATION RESIDUUM AND GYPSUM SOLUTION RESIDUUM |
| xle | FINE SANDY LOAM DISINTEGRATION RESIDUUM |
| xlg | CALCAREOUS SANDY LOAM DISINTEGRATION RESIDUUM |
| xcb | CALCAREOUS CLAY DISINTEGRATION RESIDUUM |
| xcc | STONY SELENITIC SILTY CLAY LOAM DISINTEGRATION RESIDUUM |
| xcd | SANDSTONE AND MUDSTONE CLAY LOAM DISINTEGRATION RESIDUUM |
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| oca | LACUSTRINE CLAY, SILT, AND SAND |
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| afc | ALLUVIAL- AND SHEETWASH-FAN FINE SAND AND SILT |
| aso | CEMENTED ALLUVIAL GRAVELLY SAND |
| afb | ALLUVIAL-FAN GRAVELLY TO SANDY LOAM |
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|-----|---|
| asg | ALLUVIAL GRAVEL, SAND, SILT, AND CLAY |
| esa | EOLIAN SHEET SAND |
| cab | CEMENTED COLLUVIUM AND SHEETWASH ALLUVIUM |
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| ago | ALLUVIAL GRAVEL AND SAND |
| ocb | EOLIAN AND ALLUVIAL SAND, SILT, AND CLAY |
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| occ | LACUSTRINE SAND, CLAY, AND LIMESTONE |
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| zsa | LIMONITIC SANDY DECOMPOSITION RESIDUUM |
| zsb | QUARTZ SAND DECOMPOSITION RESIDUUM |
| zsd | SANDY DECOMPOSITION RESIDUUM |
| zse | CLAYEY SAND AND SANDY CLAY DECOMPOSITION RESIDUUM |
| zsp | FINE SANDY, SILTY CLAY DECOMPOSITION RESIDUUM |
| zld | CLAYEY SILT TO SILTY CLAY DECOMPOSITION RESIDUUM |
| zlq | FINE SANDY LOAMY DECOMPOSITION RESIDUUM |
| zlr | CLAY LOAM AND FINE SANDY LOAMY DECOMPOSITION RESIDUUM |
| zls | SANDY CLAY LOAM DECOMPOSITION RESIDUUM |
| zlt | RED CLAY LOAM DECOMPOSITION RESIDUUM WITH LOCAL GYPSUM RUBBLE |
| zcb | SMECTITIC CLAY DECOMPOSITION RESIDUUM |
| zcc | SILTY CLAY DECOMPOSITION RESIDUUM |
| zcg | SAND, GRAVEL, SILT, AND CLAY DECOMPOSITION RESIDUUM |
| zcj | CLAY AND SILTY CLAY DECOMPOSITION RESIDUUM |
| zcn | SANDY CLAY LOAM DECOMPOSITION RESIDUUM |
| zri | SILTY CLAY DECOMPOSITION RESIDUUM AND CHERTY CLAY SOLUTION RESIDUUM |
| zrj | CLAY LOAM AND CHANNERY LOAM DECOMPOSITION RESIDUUM AND SOLUTION RESIDUUM |
| rcn | CHERTY CALCAREOUS CLAY SOLUTION RESIDUUM |
| rcv | STONY CALCAREOUS CLAY SOLUTION RESIDUUM |
| usa | FELDSPATHIC SANDY FINE GRUS |
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| | CONTACT |
| | SHORELINE |
| | FAULT WITH QUATERNARY DISPLACEMENT--Bar and ball on downthrown side |
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- VOLCANIC ASH BEDS
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| | Lava Creek B ash bed (Pearlette type O) |
| | Huckleberry Ridge ash bed (Pearlette type B) |
| | Pearlette family of ash beds not individually identified |
| | "Pleistocene, possibly belonging to Pearlette family of ash beds" |
| | Cerro Toledo ash bed (upper?) |
| | Guaje ash bed in Blackwater Draw Formation |
| | Mount Blanco ash bed in Blanco Formation |

Plot of digital database for
QUATERNARY GEOLOGIC MAP OF THE DALLAS 4° x 6° QUADRANGLE, UNITED STATES

by
Charles A. Bush
U.S. Geological Survey