



EXPLANATION

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| <p>Qpp
Post-Piney Creek alluvium
Dark-gray humic sandy alluvium containing sticks, roots, and bones.
Unconformable on Piney Creek alluvium</p> <p>Qp
Piney Creek alluvium
Dark-gray humic silt and sand and thin layers of clay and pebbles. A soil of late Recent age in upper part.
Unconformable on most older deposits</p> <p>Qbc
Bog clay
Dark-gray humic plastic clay in undrained depressions.
Unconformable on younger loess and Verdos alluvium</p> <p>Ql
Landslides
Rock slide of late Wisconsin age of Dakota group along hogback, and slump of late Recent age of Pierre shale along pediments.
Unconformable on Louviers alluvium and Pierre shale</p> | <p>Qes
Eolian sand
Light-brown medium-grained sand along Rainbow Creek and the South Platte River. Soil of early Recent age in upper part.
Unconformable on Dawson arkose and Louviers alluvium</p> <p>Qpa
Pre-Piney Creek alluvium
Light-brown silty stratified alluvium. Soil of early Recent age in upper part.
Unconformable on Louviers alluvium</p> <p>Qb
Broadway alluvium
Reddish-brown pebbly stratified alluvium. Soil of early Recent age in upper part.
Unconformable on Louviers alluvium</p> <p>Qyl
Younger loess
Moderate yellowish-brown or olive-gray clayey silt. Soil of Wisconsin age in upper part.
Unconformable on Louviers alluvium, older loess, and Slocum alluvium</p> <p>Qlo
Louviers alluvium
Reddish-brown pebbly alluvium with deformed silt layers. Stained by iron and manganese. Fine alluvium with cobble layer at base in small valleys. Soil of Wisconsin age in upper part.
Unconformable on Slocum alluvium</p> <p>Qol
Older loess
Clayey silt with strong vertical structure; oxidized to reddish brown in upper part. Soil of Sangamon (?) age in upper part.
Unconformable on Slocum alluvium</p> <p>Qs Qst
Slocum alluvium
Qs, compact moderate reddish-brown pebbly sandy alluvium on pediments.
Qst, moderate-brown pebbly alluvium with stratified greenish-gray micaceous silt near top in fill terraces. Soil of Sangamon (?) age in upper part.
Unconformable on Verdos alluvium</p> <p>Qv
Verdos alluvium
Cobbles, boulders, and pebbles with brown sandy matrix. Thick volcanic ash bed at base at type locality. Soil of Yarmouth (?) age in upper part.
Unconformable on Rocky Flats alluvium</p> <p>Qrf
Rocky Flats alluvium
Boulders and cobbles of crystalline rocks with reddish-brown clay matrix. Soil of Aftonian (?) age in upper part.
Unconformable on most older rocks</p> <p>Pre-Quaternary bedrock outcrops</p> | <p>Contact
Dashed where gradational or indefinite</p> <p>Fossiliferous locality
x140</p> <p>Gravel pit
x</p> |
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Recent
Wisconsin
Pleistocene
Illinoian or Sangamon
Kansan or Yarmouth
Nebraskan or Aftonian

QUATERNARY

SURFICIAL GEOLOGIC MAP OF THE KASSLER QUADRANGLE, COLORADO

