

Plate 17

Extremely cobbly fragipan layer at 24 to 36 inches. (Keeno gravelly silt loam)



Plate 19

Soil has a high percentage of montmorillonite clay that causes high shrink-swell during dry and wet periods.



Plate 18

A young soil formed in silty and gravelly alluvium. Thick black A horizon. Extremely gravelly C horizon. (Dameron silt loam)



Plate 20

An abrupt horizon boundary between the Ap and Al horizons caused by yearly plowing at the same depth.

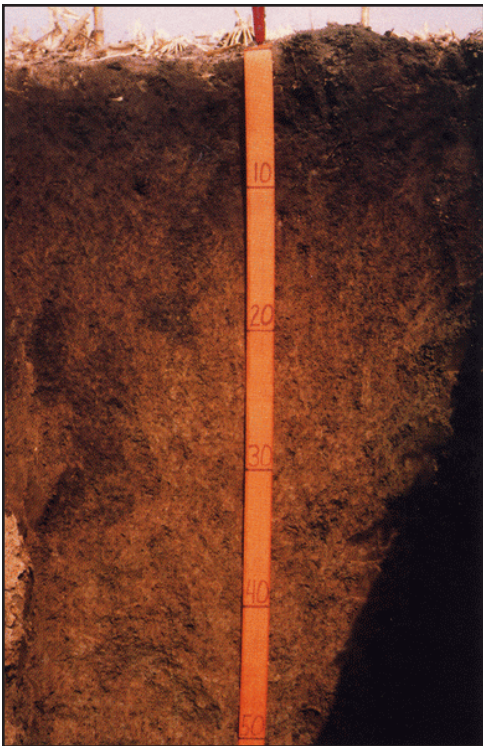


Plate 21

Moderately well drained soil. Profile shows gradual horizon boundaries. (Sharpsburg silt loam)



Plate 22

Well drained soil with a dark brown BA transitional horizon at 15 to 23 inches, a Bt horizon at 23 to 34 inches with strong prismatic structure.



Plate 23

Well drained soil with a very dark grayish brown AB transitional horizon at 12 to 18 inches and a Bw horizon at 12 to 30 inches.



Plate 24

Well drained soil with a thin Ap horizon over a Bt horizon. (Menfro silt loam)



Plate 25

Somewhat poorly drained soil with a dense thick fragipan at the 24 to 48 inch depth. (Hobson silt loam)



Plate 26

Moderately well drained soil. Brown Bt horizon at 9 to 30 inches and a gray mottled fragipan at 19 to 30 inches. (Credon silt loam)



Plate 27

Soil with a distinct fragipan starting at 24 inches.



Plate 28

Well drained soil formed in colluvium and the underlying residuum. (Gepp gravelly silt loam)

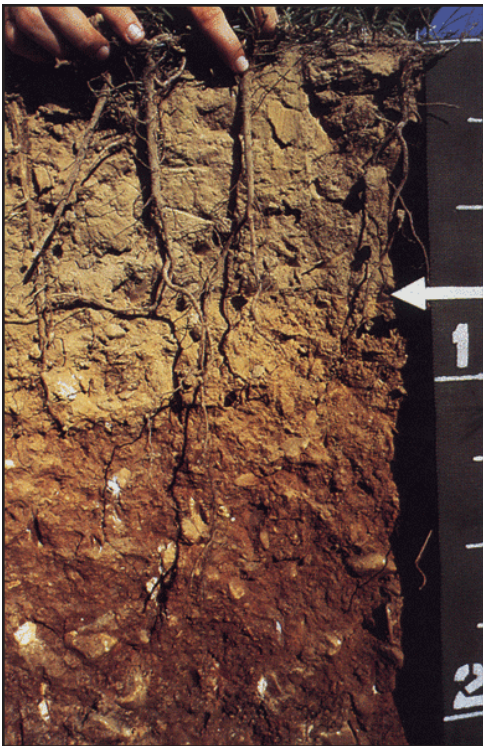


Plate 29

Brown A horizon, light brown B horizon with a dense layer at about 15 inches preventing root penetration.



Plate 30

Well drained soil that formed in naturally gray parent material of loess. Gray colors are not caused by wetness. (Contrary silt loam)

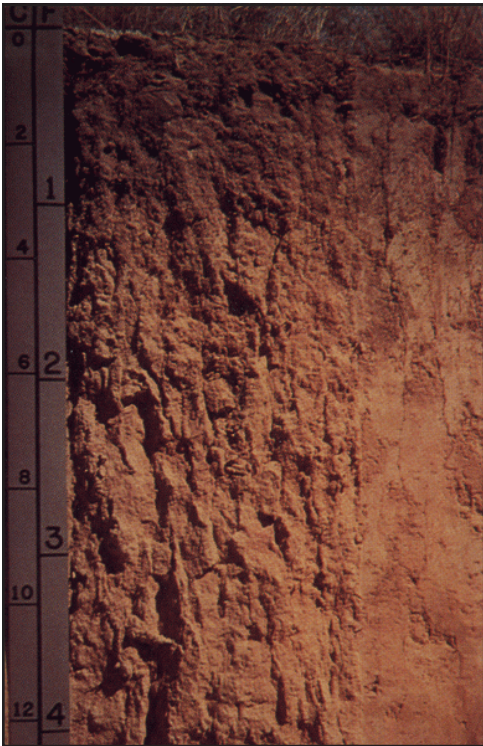


Plate 31

Somewhat excessively drained soil formed in coarse loess. Grayish brown A horizon 0 to 8 inches, pale brown AC transitional horizon 8 to 16 inches over a C horizon.



Plate 32

Small ponded areas. Surface drainage is needed. (Putnam silt loam)

Slides and photos courtesy of John Baker, Bill Broderson, Herb Huddleston, Paul Minor, Wiley Nettleton, C.L. Scrivner, and Fred Young.