

Title: Physical Soil Properties
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For each soil series...

- Horizon designation and sub-designations where applicable
 - A, Ap, AC, A2, etc.
 - hzname

For each horizon...

- Depth
 - Included as a range of depth in *inches*, or **R** (representative sample)
 - 0-4, 4-17, etc.
 - hzdept, hzdepb
- Texture
 - General texture as text
 - sandy loam, silty clay loam, etc.
 - Percent sand, silt, and clay as range, or **R** (representative sample)
 - 3-10% sand, 40-65% silt, 30-39% clay
 - Provided in SSURGO data for some, could be derived from additional sources for the rest.
 - sandtotal, silttotal, claytotal
- Bulk Density
 - Provided as “moist bulk density” in *g/cc*
 - Given as range (min to max; 1.20-1.35), or **R** (representative sample)
- Hydraulic conductivity
 - Provided as “saturated hydraulic conductivity” in *micro m/sec*
 - Provided as range, example: 4.23-14.11, or **R** (representative sample)
 - ksat_r

Other...

- Depth of Rooting Zone
 - “Restricted Rooting Depth” – exists, somewhere, in SSURGO... still trying to find out where exactly