Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our Official Soil Series Description web site.

This section includes:

- **(a) Classification of the soils**

Gasconade County, Missouri
Classification of the Soils

Soil name	Family or higher taxonomic class
Auxvasse	Fine, montmorillonitic, mesic Aeric Albaqualfs
Beemont	Very-fine, montmorillonitic, mesic Typic Hapludalfs
Beemont	Very-fine, smectitic, mesic Oxyaquic Hapludalfs
Bremer	Fine, montmorillonitic, mesic Typic Argiaquolls
Bucklick	Fine, mixed, active, mesic Typic Hapludalfs
Cedargap	Loamy-skeletal, mixed, superactive, mesic Cumulic Hapludolls
Coulstone	Loamy-skeletal, siliceous, mesic Typic Paleudults
Dockery	Fine-silty, mixed, nonacid, mesic Aquic Udifluvents
Freeburg	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Gasconade	Clayey-skeletal, mixed, superactive, mesic Lithic Hapludolls
Gatewood	Very-fine, mixed, active, mesic Oxyaquic Hapludalfs
Gladden	Coarse-loamy, siliceous, superactive, mesic Dystric Fluventic Eutrudepts
Glensted	Fine, smectitic, mesic Vertic Albaqualfs
Hartville	Fine, mixed, mesic Aquic Hapludalfs
Haynie	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
Marion	Fine, smectitic, mesic Aquertic Chromic Hapludalfs
Menfro	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Moko	Loamy-skeletal, mixed, superactive, mesic Lithic Hapludolls
Nolin	Fine-silty, mixed, mesic Dystric Fluventic Eutrudepts
Pope	Coarse-loamy, mixed, superactive, mesic Fluventic Dystrochrepts
Racoon	Fine-silty, mixed, mesic Typic Endoaqualfs
Ramsey	Loamy, siliceous, superactive, mesic Lithic Dystrudepts
Sarpy	Mixed, mesic Typic Udipsamments
Union	Fine, mixed, mesic Typic Fragiudalfs
Waldron	Fine, smectitic, active, calcareous, mesic Aeric Fluvaquents
Weingarten	Fine-silty, mixed, active, mesic Fragic Hapludalfs
Wilderness	Loamy-skeletal, siliceous, mesic Oxyaquic Fragiudalfs