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**

Jackson County, Missouri
Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
BREMER	TYPIC ARGIAQUOLLS, FINE, MONTMORILLONITIC, MESIC
COLO	CUMULIC ENDOAQUOLLS, FINE-SILTY, MIXED, MESIC
COTTER	TYPIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
GILLIAM	FLUVAQUENTIC HAPLUDOLLS, FINE-SILTY, MIXED, MESIC
GREENTON	AQUIC ARGIUDOLLS, FINE, MONTMORILLONITIC, MESIC
HARVESTER	Fine-silty, mixed, superactive, nonacid, mesic Typic Udorthents
HAYNIE	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
HIGGINSVILLE	AQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
KENNEBEC	CUMULIC HAPLUDOLLS, FINE-SILTY, MIXED, MESIC
KNOX	MOLLIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
*KNOX	MOLLIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
LETA	FLUVAQUENTIC HAPLUDOLLS, CLAYEY OVER LOAMY, MONTMORILLONITIC, MESIC
MACKSBURG	AQUIC ARGIUDOLLS, FINE, MONTMORILLONITIC, MESIC
MANDEVILLE	TYPIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
MCGIRK	VERTIC EPIAQUALFS, FINE, MONTMORILLONITIC, MESIC
MENFRO	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
MODALE	AERIC FLUVAQUENTS, COARSE-SILTY OVER CLAYEY, MIXED (CALCAREOUS), MESIC
NAPIER	CUMULIC HAPLUDOLLS, FINE-SILTY, MIXED, MESIC
*OSKA	VERTIC ARGIUDOLLS, FINE, MONTMORILLONITIC, MESIC
PARKVILLE	FLUVAQUENTIC HAPLUDOLLS, CLAYEY OVER LOAMY, MONTMORILLONITIC, MESIC
POLO	TYPIC ARGIUDOLLS, FINE, MONTMORILLONITIC, MESIC
*POLO	TYPIC ARGIUDOLLS, FINE, MONTMORILLONITIC, MESIC
SAMPSEL	VERTIC ARGIAQUOLLS, FINE, MONTMORILLONITIC, MESIC
SARPY	TYPIC UDIPSAMMENTS, MIXED, MESIC
SHARPSBURG	TYPIC ARGIUDOLLS, FINE, MONTMORILLONITIC, MESIC
SIBLEY	TYPIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
SNEAD	AQUIC HAPLUDOLLS, FINE, MIXED, MESIC
UDIFLUVENTS	UDIFLUVENTS
UDORTHENTS	UDORTHENTS
WABASH	CUMULIC VERTIC ENDOAQUOLLS, FINE, MONTMORILLONITIC, MESIC
WELLER	AQUERTIC CHROMIC HAPLUDALFS, FINE, MONTMORILLONITIC, MESIC
WIOTA	TYPIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
ZOOK	CUMULIC VERTIC ENDOAQUOLLS, FINE, MONTMORILLONITIC, MESIC