

## 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**

Vernon 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
BALLTOWN-----	LITHIC HAPLUDOLLS, LOAMY-SKELETAL, MIXED, THERMIC
BARCO-----	MOLLIC HAPLUDALFS, FINE-LOAMY, MIXED, THERMIC
BARDEN-----	AQUOLLC HAPLUDALFS, FINE, MIXED, THERMIC
BOLIVAR-----	ULTIC HAPLUDALFS, FINE-LOAMY, MIXED, THERMIC
BRONAUGH-----	MOLLIC HAPLUDALFS, FINE, MIXED, THERMIC
CLEORA-----	FLUVENTIC HAPLUDOLLS, COARSE-LOAMY, MIXED, THERMIC
COWETA-----	TYPIC HAPLUDOLLS, LOAMY, SILICEOUS, THERMIC, SHALLOW
*DUBBS-----	TYPIC HAPLUDALFS, FINE-SILTY, MIXED, THERMIC
ELDON VARIANT-----	TYPIC ARGIUOLLS, CLAYEY-SKELETAL, MIXED, THERMIC
HECTOR-----	LITHIC DYSTROCHREPTS, LOAMY, SILICEOUS, THERMIC
HEPLER-----	UDOLLC OCHRAQUALFS, FINE-SILTY, MIXED, THERMIC
LANTON-----	CUMULIC HAPLAQUOLLS, FINE-SILTY, MIXED, THERMIC
LIBERAL-----	AQUOLLC HAPLUDALFS, FINE, MIXED, THERMIC
LULA-----	TYPIC ARGIUOLLS, FINE-SILTY, MIXED, THERMIC
MAYES-----	Fine, smectitic, thermic Vertic Argiaquolls
OSAGE-----	Fine, smectitic, thermic Vertic Haplaquolls
PARSONS-----	MOLLIC ALBAQUALFS, FINE, MIXED, THERMIC
RADLEY-----	FLUVENTIC HAPLUDOLLS, FINE-SILTY, MIXED, THERMIC
VERDIGRIS-----	CUMULIC HAPLUDOLLS, FINE-SILTY, MIXED, THERMIC
ZAAR-----	Fine, smectitic, thermic Vertic Hapludolls