

# Commonly Used Soil Properties by Web Soil Survey and Soil Data Mart Report

9/7/2010

<u>Soil Property</u>	<u>Report Name</u>
AASHTO classification	Engineering Properties
Available Water Capacity	Physical Soil Properties
Calcium carbonate content	Chemical Soil Properties
Cation exchange capacity (CEC)	Chemical Soil Properties
Clay content	Physical Soil Properties
Clay content	RUSLE2 Related Attributes
Component composition by map unit	Component Legend
Component kind	Component Legend
Component name by map unit	Component Legend
Effective cation exchange capacity (ECEC)	Chemical Soil Properties
Flooding duration, frequency	Water Features
Fragment content, by weight	Engineering Properties
Gypsum content	Chemical Soil Properties
Horizon depths	Chemical Soil Properties
Horizon depths	Engineering Properties
Horizon depths	Physical Soil Properties
Hydrologic Soil Group	RUSLE2 Related Attributes
Hydrologic Soil Group	Water Features
Kf erosion factor	Physical Soil Properties
Kf erosion factor	RUSLE2 Related Attributes
Kw erosion factor	Physical Soil Properties
Linear Extensibility (shrink-swell)	Physical Soil Properties
Liquid Limit	Engineering Properties
Map unit acres	Acreage and Proportionate Extent
Map unit name	Acreage and Proportionate Extent
Map unit percent	Acreage and Proportionate Extent
Map unit symbol	Most all reports
Organic Matter content	Physical Soil Properties
Percent passing sieves	Engineering Properties
Plasticity Index	Engineering Properties
Ponding depth, duration, frequency	Water Features
Potential frost action	Soil Features
Restrictive Layer depth	Soil Features
Restrictive Layer hardness	Soil Features
Restrictive Layer kind	Soil Features
Restrictive Layer thickness	Soil Features
Risk of corrosion - concrete	Soil Features
Risk of corrosion - steel	Soil Features
Runoff	Water Features
Salinity (EC)	Chemical Soil Properties
Sand content	Physical Soil Properties
Sand content	RUSLE2 Related Attributes
Saturated Hydraulic Conductivity (Ksat)	Physical Soil Properties
Silt content	Physical Soil Properties
Silt content	RUSLE2 Related Attributes
Slope range by component	Component Legend

**(over)**

**Listing of Soil Properties and the Reports (cont.)**

**Soil Property****Report Name**

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Sodium absorption ration (SAR)	Chemical Soil Properties
Soil reaction (pH)	Chemical Soil Properties
Subsidence	Soil Features
T factor	Physical Soil Properties
T factor	RUSLE2 Related Attributes
Texture by horizon	Engineering Properties
Unified soil classification	Engineering Properties
Water table depth	Water Features
Wind erodibility group (WEG)	Physical Soil Properties
Wind erodibility index (WEI)	Physical Soil Properties