United States Department of Agriculture
NRCS Natural Resources Conservation Service

New Jersey Soils

# Web Soil Survey - Soil Properties Section

## Soil Properties

### Soil Chemical Properties

- Calcium Carbonate ($CaCO_3$)
- Cation-Exchange Capacity (CEC-7)
- Effective Cation-Exchange Capacity (ECEC)
- Electrical Conductivity (EC)
- Gypsum
- pH (1 to 1 Water)
- Sodium Adsorption Ratio (SAR)

### Soil Erosion Factors

- K Factor, Rock Free
- K Factor, Whole Soil
- T Factor
- Wind Erodibility Group
- Wind Erodibility Index

### Soil Physical Properties

- Available Water Capacity
- Available Water Supply 0 to 25 cm
- Available Water Supply 0 to 50 cm
- Available Water Supply 0 to 100 cm
- Available Water Supply 0 to 150 cm
- Bulk Density, 15 bar
- Bulk Density, one-tenth bar
- Bulk Density, one-third bar
- Linear Extensibility
- Liquid Limit
- Organic Matter
- Percent Clay
- Percent Sand
- Percent Silt
- Plastic Index
- Saturated Hydraulic Conductivity (ksat)
- Saturated Hydraulic Conductivity (ksat), Standard Classes
- Surface Texture
- Water Content, 15 bar
- Water Content, one-third bar

### Soil Qualities and Features

- AASHTO Group Classification (Surface)
- Depth to a Selected Soil Restrictive Layer
- Depth to Any Soil Restrictive Layer
- Drainage Class
- Frost Action
- Frost Free Days
- Hydrologic Soil Group
- Man Unit Name
- Parent Material Name
- Representative Slope
- Unified Soil Classification (Surface)

### Water Features

- Depth to Water Table
- Flooding Frequency Class
- Ponding Frequency Class

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