Database Code: SP001

Title: Soil descriptions and data for soil profiles in the Andrews Experimental Forest, selected reference stands, Research Natural Areas, and National Parks, 1962 & 1996

Abstract:
Provides standard soil profile descriptions along with physiographic data and classifications. Physical and chemical profile data are included when available.

Keywords: Long-Term Ecological Research (LTER); Organic matter; Primary production; Soil chemistry; Soil classification; Soil descriptions; Soil physics; Soil profiles; Inorganic nutrients; Organic matter; Long-Term Ecological Research (LTER); Soil chemistry; Soil properties; Primary production; Inorganic nutrients; Organic matter; Soil horizons;

Date data commenced: 1962-01-01

Date data terminated: 1996-01-01

Principal Investigator: C. Ted Dyrness

List of Entities:
1. Profile Level Data (Classification, Location, etc.)
2. Horizon Level Data (description, physical and chemical Data)

| Attribute List: profile level data (classification, location, etc.) |
|-------------------|-----------------|-----------------|-----------------|
| Attribute         | Type            | Format          | Range           |
| PROFILE           | Y N numeric(3,0) | range           | 1.0000 400.0000 |
| SERIES            | N Y varchar(30) | freetext        |                 |
| GR_GROUP          | N Y varchar(20) | freetext        |                 |
| USDACLASS         | N Y varchar(60) | freetext        |                 |
| MAPUNIT           | N Y varchar(20) | freetext        |                 |
| SCS_EQUIV         | N Y varchar(20) | freetext        |                 |
| LANDFORM          | N Y varchar(30) | freetext        |                 |
| SLOPE             | N Y numeric(3,0) | range           | 0.0000 100.0000 |
| ASPECT            | N Y char(3)     | enum            |                 |
| EL_CLASS          | N Y char(12)    | freetext        |                 |
| ELEVATION         | N Y numeric(6,0) | range           | 400.0000 8000.0000 |
| PARENTMAT         | N Y varchar(80) | freetext        |                 |
| DRAINAGE          | N Y varchar(30) | freetext        |                 |
| VEG_TYPE          | N Y varchar(40) | freetext        |                 |
| VEGETATION        | N Y varchar(60) | freetext        |                 |
| SPEC_LOC          | N Y varchar(20) | freetext        |                 |
| LOCATION          | N Y varchar(80) | freetext        |                 |
| GEO_AREA          | N Y varchar(20) | freetext        |                 |
| LOC_CODE          | N Y char(6)     | place           |                 |
### Attribute List:

- **PROFILE**: Y N numeric(3,0) range 1.0000 400.0000 number
- **SERIES**: N Y varchar(30) freetext
- **HORIZON**: Y N char(4) freetext
- **DEPTH_T**: N Y char(3) freetext 0.0000 150.0000
- **DEPTH_B**: N Y char(3) freetext 0.0000 150.0000
- **BOUNDARY**: N Y char(2) enum
- **DRYCOLOR**: N Y char(8) freetext
- **MOISTCOL1**: N Y char(8) freetext
- **MOISTCOL2**: N Y char(8) freetext
- **MOISTCOL3**: N Y char(8) freetext
- **TEXTURE**: N Y char(7) enum
- **STRUCTURE**: N Y char(18) enum
- **CONSISTENC**: N Y varchar(30) enum
- **CONSDRY**: N Y varchar(25) enum
- **CONSMOIST**: N Y varchar(25) enum
- **CONSWET**: N Y varchar(25) enum
- **OTHER**: N Y varchar(65) freetext
- **ROOTS**: N Y varchar(65) freetext
- **DENSITY**: N Y numeric(5,3) range 0.5000 1.5000 g/cm³
- **SAND**: N Y numeric(4,1) range 10.0000 90.0000 %
- **SILT**: N Y numeric(4,1) range 10.0000 80.0000 %
- **CLAY**: N Y numeric(4,1) range 1.0000 50.0000 %
- **TEXT_CLASS**: N Y char(7) enum
- **PERCOLATION**: N Y numeric(5,1) range 0.1000 250.0000 in/hr
- **MT_THIRD**: N Y numeric(4,1) range 20.0000 70.0000 %
- **MT_ONE**: N Y numeric(4,1) range 15.0000 60.0000 %
<table>
<thead>
<tr>
<th>Attribute</th>
<th>Short Code</th>
<th>CHEMICAL</th>
<th>CHEMICAL_UNIT</th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT_FIVE</td>
<td>N Y</td>
<td>numeric(4,1)</td>
<td>range</td>
<td>2.0000</td>
<td>55.0000</td>
</tr>
<tr>
<td>MT_FIFTEEN</td>
<td>N Y</td>
<td>numeric(4,1)</td>
<td>range</td>
<td>10.0000</td>
<td>50.0000</td>
</tr>
<tr>
<td>PH</td>
<td>N Y</td>
<td>numeric(3,1)</td>
<td>range</td>
<td>4.0000</td>
<td>7.0000</td>
</tr>
<tr>
<td>CEC</td>
<td>N Y</td>
<td>numeric(5,2)</td>
<td>range</td>
<td>10.0000</td>
<td>70.0000</td>
</tr>
<tr>
<td>OM</td>
<td>N Y</td>
<td>numeric(6,2)</td>
<td>range</td>
<td>0.1000</td>
<td>22.0000</td>
</tr>
<tr>
<td>TOT_N</td>
<td>N Y</td>
<td>numeric(6,4)</td>
<td>range</td>
<td>0.0010</td>
<td>1.0500</td>
</tr>
<tr>
<td>P</td>
<td>N Y</td>
<td>numeric(5,2)</td>
<td>range</td>
<td>0.0000</td>
<td>85.0000</td>
</tr>
<tr>
<td>K</td>
<td>N Y</td>
<td>numeric(5,1)</td>
<td>range</td>
<td>0.0000</td>
<td>3.0000</td>
</tr>
<tr>
<td>CA</td>
<td>N Y</td>
<td>numeric(5,1)</td>
<td>range</td>
<td>0.0000</td>
<td>25.0000</td>
</tr>
<tr>
<td>MG</td>
<td>N Y</td>
<td>numeric(5,1)</td>
<td>range</td>
<td>0.0000</td>
<td>20.0000</td>
</tr>
<tr>
<td>NA</td>
<td>N Y</td>
<td>numeric(5,1)</td>
<td>range</td>
<td>0.0000</td>
<td>1.0000</td>
</tr>
<tr>
<td>BASE_SAT</td>
<td>N Y</td>
<td>numeric(5,1)</td>
<td>range</td>
<td>1.0000</td>
<td>105.0000</td>
</tr>
</tbody>
</table>

Attributes Definitions:

ASPECT
- Code for cardinal directions

BASE_SAT
- Percent base saturation

BOUNDARY
- Distinctness and topography of the lower horizon boundary

CA
- Exchangeable Ca of soil

CEC
- Cation exchange capacity of soil

CHEMDATA
- Presence of chemical data (Y/N)

CLAY
- Percent clay

CONSDRY
- Dry consistence

CONSISTENC
- Codes for dry, moist, and wet soil consistence

CONSMOIST
- Moist consistence

CONSWET
- Wet consistence

DATE
Date of profile description (m-yy and dd-mm-yy)

DENSITY
Bulk density of soil

DEPTH_B
Depth at the bottom of the horizon (in inches)

DEPTH_T
Depth at the top of the horizon (in inches)

DESCRIPTN
Name of persons describing the profile

DRAINAGE
Drainage classes (explicit)

DRYCOLOR
Munsell color of the dry soil

EL_CLASS
Elevation class in 500 ft. intervals (explicit)

ELEVATION
Elevation at the profile

GEO_AREA
Broader geographic area (e.g. HJA, National Parks, etc.)

GR_GROUP
Taxonomic great group

HORIZON
Horizon designation

K
Exchangeable K of soil

LANDFORM
Explicit geomorphic unit at the profile location

LOC_CODE
FSDB location code

LOCATION
Brief location description

MAPUNIT
Soil series and phase as mapped in the location of the profile

MG
Exchangeable Mg of soil

MOISTCOL1
Dominant munsell color of the moist soil
MOISTCOL2
    Moist Munsell color of mottles or variegations

MT_FIFTEEN
    Percent moisture on a dry-weight basis at 15 atm tension

MT_FIVE
    Percent moisture on a dry-weight basis at 5 atm tension

MT_ONE
    Percent moisture on a dry-weight basis at 1 atm tension

MT_THIRD
    Percolation rate in undisturbed soil cores determined in the lab

NA
    Exchangeable Na of soil

NR_HOR
    Number of soil horizons in profile

OM
    Organic matter content of soil

OTHER
    Explicit coarse fragments, O horizon characteristics, clay skins, mottling, etc

P
    Available P content of soil

PARENTMAT
    Explicit description of soil parent material

PH
    pH of 1:1 soil-water suspension

PHYSDATA
    Presence of physical data (Y/N)

PROF_DESC
    Generated profile description, with chemical and physical data if present

PROFILE
    Profile number

ROOTS
    Explicit abundance of roots, usually by size class

SAND
    Percent sand

SCS_EQUIV
    For HJA only: SCS equivalent to the hja series

SERIES
Soil series name

SILT

Percent silt

SLOPE

Percent slope at the profile location

SPEC_LOC

Location description (shortened for www display)

STRUCTURE

Codes for soil structure

TEXT_CLASS

Textural class

TEXTURE

Code for soil texture as determined in the field

TOT_N

Total nitrogen content of soil

USDACLASS

Soil taxonomic class as defined by the USDA

VEG_TYPE

Community type (shortened version for www display)

VEGETATION

Community type according to Dymess et al., 1974, if known, otherwise codes of dominant species

Enumerated Domains:

Enumerated Domain for Attribute: ASPECT

E  east
N  north
W  west
S  south
ENE  east-northeast
NE  northeast
NW  northwest
SE  southeast
SSE  south-southeast
SSW  south-southwest
SW  southwest
WNW  west-northwest
WSW  west-southwest
Enumerated Domain for Attribute: CHEMDATA
Y Physical data available
N No physical data available

Enumerated Domain for Attribute: PHYSDATA
Y Physical data available
N No physical data available

Enumerated Domain for Attribute: BOUNDARY
AB abrupt broken
AI abrupt irregular
AS abrupt smooth
AW abrupt wavy
CB clear broken
CI clear irregular
CS clear smooth
CW clear wavy
DB diffuse broken
DI diffuse irregular
DS diffuse smooth
DW diffuse wavy
GB gradual broken
GI gradual irregular
GL gradual
GS gradual smooth
GW gradual wavy

Enumerated Domain for Attribute: CONSDRY
lo loose (dry)
so soft (dry)
sh slightly hard (dry)
h hard (dry)
lo loose (moist)
vfr very friable (moist)
fr friable (moist)
fi firm (moist)
vfi very firm (moist)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>br</td>
<td>brittle (moist)</td>
</tr>
<tr>
<td>so</td>
<td>nonsticky (wet)</td>
</tr>
<tr>
<td>ss</td>
<td>slightly sticky (wet)</td>
</tr>
<tr>
<td>s</td>
<td>sticky (wet)</td>
</tr>
<tr>
<td>vs</td>
<td>very sticky (wet)</td>
</tr>
<tr>
<td>po</td>
<td>nonplastic (wet)</td>
</tr>
<tr>
<td>ps</td>
<td>slightly plastic (wet)</td>
</tr>
<tr>
<td>p</td>
<td>plastic (wet)</td>
</tr>
<tr>
<td>vp</td>
<td>very plastic (wet)</td>
</tr>
<tr>
<td>smeary</td>
<td>thixotropic</td>
</tr>
</tbody>
</table>

Enumerated Domain for Attribute: CONSISTENC

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>lo</td>
<td>loose (dry)</td>
</tr>
<tr>
<td>so</td>
<td>soft (dry)</td>
</tr>
<tr>
<td>sh</td>
<td>slightly hard (dry)</td>
</tr>
<tr>
<td>h</td>
<td>hard (dry)</td>
</tr>
<tr>
<td>lo</td>
<td>loose (moist)</td>
</tr>
<tr>
<td>vfr</td>
<td>very friable (moist)</td>
</tr>
<tr>
<td>fr</td>
<td>friable (moist)</td>
</tr>
<tr>
<td>fi</td>
<td>firm (moist)</td>
</tr>
<tr>
<td>vfi</td>
<td>very firm (moist)</td>
</tr>
<tr>
<td>br</td>
<td>brittle (moist)</td>
</tr>
<tr>
<td>so</td>
<td>nonsticky (wet)</td>
</tr>
<tr>
<td>ss</td>
<td>slightly sticky (wet)</td>
</tr>
<tr>
<td>s</td>
<td>sticky (wet)</td>
</tr>
<tr>
<td>vs</td>
<td>very sticky (wet)</td>
</tr>
<tr>
<td>po</td>
<td>nonplastic (wet)</td>
</tr>
<tr>
<td>ps</td>
<td>slightly plastic (wet)</td>
</tr>
<tr>
<td>p</td>
<td>plastic (wet)</td>
</tr>
<tr>
<td>vp</td>
<td>very plastic (wet)</td>
</tr>
<tr>
<td>smeary</td>
<td>thixotropic</td>
</tr>
</tbody>
</table>

Enumerated Domain for Attribute: CONSMOIST

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>lo</td>
<td>loose (dry)</td>
</tr>
<tr>
<td>so</td>
<td>soft (dry)</td>
</tr>
<tr>
<td>sh</td>
<td>slightly hard (dry)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>lo</td>
<td>loose (dry)</td>
</tr>
<tr>
<td>so</td>
<td>soft (dry)</td>
</tr>
<tr>
<td>sh</td>
<td>slightly hard (dry)</td>
</tr>
</tbody>
</table>
h hard (dry)
lo loose (moist)
vfr very friable (moist)
fr friable (moist)
fi firm (moist)
vfi very firm (moist)
br brittle (moist)
so nonsticky (wet)
ss slightly sticky (wet)
s sticky (wet)
vs very sticky (wet)
po nonplastic (wet)
ps slightly plastic (wet)
p plastic (wet)
vp very plastic (wet)
smeary thixotropic

Enumerated Domain for Attribute: CONSWET
   lo loose (dry)
   so soft (dry)
   sh slightly hard (dry)
   h hard (dry)
   lo loose (moist)
   vfr very friable (moist)
   fr friable (moist)
   fi firm (moist)
   vfi very firm (moist)
   br brittle (moist)
   so nonsticky (wet)
   ss slightly sticky (wet)
   s sticky (wet)
   vs very sticky (wet)
   po nonplastic (wet)
   ps slightly plastic (wet)
   p plastic (wet)
very plastic (wet)

smeary

thixotropic

Enumerated Domain for Attribute: STRUCTURE

1  weak (component of structure codes)
2  moderate (component of structure codes)
3  strong (component of structure codes)
vf  very fine
f   fine
m   medium
c   coarse
vc  very coarse

Enumerated Domain for Attribute: TEXTURE

C   clay
CL  clay loam
CL+  heavy clay loam
CL-  light
COBCL  cobbly clay loam
COBL  cobbly loam
COBL+  cobbly heavy loam
COBL-  cobbly light loam
COBLS  cobbly loamy sand
COBSICL  cobbly silty clay loam
COBSIL  cobbly silt loam
COBSL  cobbly sandy loam
CS  coarse sand
FSL  finde sandy loam
GR  gravel
GRCL  gravelly clay loam
GRCL+  gravelly heavy clay loam
GRCL-  gravelly light clay loam
GRL  gravelly loam
GRL+  gravelly heavy loam
GRL-  gravelly light loam
GRSHL  gravelly shotty loam
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRSICL</td>
<td>gravelly silty clay loam</td>
</tr>
<tr>
<td>GRSIL</td>
<td>gravelly silt loam</td>
</tr>
<tr>
<td>GRSL</td>
<td>gravelly sandy loam</td>
</tr>
<tr>
<td>L</td>
<td>loam</td>
</tr>
<tr>
<td>L+</td>
<td>heavy loam</td>
</tr>
<tr>
<td>L-</td>
<td>light loam</td>
</tr>
<tr>
<td>LFS</td>
<td>loamy fine sand</td>
</tr>
<tr>
<td>LS</td>
<td>loamy sand</td>
</tr>
<tr>
<td>ORG.L</td>
<td>organic loam</td>
</tr>
<tr>
<td>SCL</td>
<td>sandy clay loam</td>
</tr>
<tr>
<td>SHCL</td>
<td>shotty clay loam</td>
</tr>
<tr>
<td>SHL</td>
<td>shotty loam</td>
</tr>
<tr>
<td>SHL+</td>
<td>shotty heavy loam</td>
</tr>
<tr>
<td>SHSIL</td>
<td>shotty silt loam</td>
</tr>
<tr>
<td>SHSL</td>
<td>shotty sandy loam</td>
</tr>
<tr>
<td>SHSTL</td>
<td>shotty stony loam</td>
</tr>
<tr>
<td>SHSTL+</td>
<td>shotty stony heavy loam</td>
</tr>
<tr>
<td>SHSTSCl</td>
<td>shotty stony sandy clay loam</td>
</tr>
<tr>
<td>SHSTSL</td>
<td>shotty stony sandy loam</td>
</tr>
<tr>
<td>SIC</td>
<td>silty clay</td>
</tr>
<tr>
<td>SIC+</td>
<td>heavy silty clay</td>
</tr>
<tr>
<td>SIC-</td>
<td>light silty clay</td>
</tr>
<tr>
<td>SICL</td>
<td>silty clay loam</td>
</tr>
<tr>
<td>SICL+</td>
<td>heavy silty clay loam</td>
</tr>
<tr>
<td>SICL-</td>
<td>light silty clay loam</td>
</tr>
<tr>
<td>SIL</td>
<td>silt loam</td>
</tr>
<tr>
<td>SIL+</td>
<td>heavy silt loam</td>
</tr>
<tr>
<td>SIL-</td>
<td>light silt loam</td>
</tr>
<tr>
<td>SL</td>
<td>sandy loam</td>
</tr>
<tr>
<td>SL-</td>
<td>light sandy loam</td>
</tr>
<tr>
<td>STC</td>
<td>stony clay</td>
</tr>
<tr>
<td>STCL</td>
<td>stony clay loam</td>
</tr>
<tr>
<td>STCL-</td>
<td>stony light clay loam</td>
</tr>
<tr>
<td>STL</td>
<td>stony loam</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>STL+</td>
<td>heavy stony loam</td>
</tr>
<tr>
<td>STSCL</td>
<td>stony sandy clay loam</td>
</tr>
<tr>
<td>STSHSCL</td>
<td>stony shotty sandy clay loam</td>
</tr>
<tr>
<td>STSIC</td>
<td>stony silty clay</td>
</tr>
<tr>
<td>STSICL</td>
<td>stony silty clay loam</td>
</tr>
<tr>
<td>STSICL+</td>
<td>stony heavy silty clay loam</td>
</tr>
<tr>
<td>STSICL-</td>
<td>stony light silty clay loam</td>
</tr>
<tr>
<td>STSIL</td>
<td>stony silt loam</td>
</tr>
<tr>
<td>STSIL+</td>
<td>stony heavy silt loam</td>
</tr>
<tr>
<td>STSIL+</td>
<td>stony heavy silt loam</td>
</tr>
<tr>
<td>VCOBL</td>
<td>very cobbly loam</td>
</tr>
<tr>
<td>VCOBSICL</td>
<td>very cobbly silty clay loam</td>
</tr>
<tr>
<td>VCOBSIL</td>
<td>very cobbly silty loam</td>
</tr>
<tr>
<td>VCOBSIL</td>
<td>very cobbly silty loam</td>
</tr>
<tr>
<td>VGRCL</td>
<td>very gravelly clay loam</td>
</tr>
<tr>
<td>VGRCS</td>
<td>very gravelly coarse sand</td>
</tr>
<tr>
<td>VGRL</td>
<td>very gravelly loam</td>
</tr>
<tr>
<td>VGRL+</td>
<td>very gravelly heavy loam</td>
</tr>
<tr>
<td>VGRL-</td>
<td>very gravelly light loam</td>
</tr>
<tr>
<td>VGRSICL</td>
<td>very gravelly silty clay loam</td>
</tr>
<tr>
<td>VGRSIL</td>
<td>very gravelly silt loam</td>
</tr>
<tr>
<td>VGRSIL-</td>
<td>very gravelly light silt loam</td>
</tr>
<tr>
<td>VGRSIL-</td>
<td>very gravelly light silt loam</td>
</tr>
<tr>
<td>VGRSL</td>
<td>very gravelly sandy loam</td>
</tr>
<tr>
<td>VGRSHL</td>
<td>very gravelly shotty loam</td>
</tr>
<tr>
<td>VSTCL</td>
<td>very stony clay loam</td>
</tr>
<tr>
<td>VSTCL+</td>
<td>very stony heavy clay loam</td>
</tr>
<tr>
<td>VSTCL-</td>
<td>very stony light clay loam</td>
</tr>
<tr>
<td>VSTL</td>
<td>very stony loam</td>
</tr>
<tr>
<td>VSTL+</td>
<td>very stony heavy loam</td>
</tr>
<tr>
<td>VSTLS</td>
<td>very stony loamy sand</td>
</tr>
<tr>
<td>VSTSICL</td>
<td>very stony silty clay loam</td>
</tr>
<tr>
<td>VSTSL</td>
<td>very stony sandy loam</td>
</tr>
<tr>
<td>LCS</td>
<td>loamy coarse sand</td>
</tr>
<tr>
<td>GRCS</td>
<td>gravelly coarse sand</td>
</tr>
<tr>
<td>Enumerated Domain for Attribute: TEXT_CLASS</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>clay</td>
</tr>
<tr>
<td>CL</td>
<td>clay loam</td>
</tr>
<tr>
<td>CL+</td>
<td>heavy clay loam</td>
</tr>
<tr>
<td>CL-</td>
<td>light</td>
</tr>
<tr>
<td>COBCL</td>
<td>cobbly clay loam</td>
</tr>
<tr>
<td>COBL</td>
<td>cobbly loam</td>
</tr>
<tr>
<td>COBL+</td>
<td>cobbly heavy loam</td>
</tr>
<tr>
<td>COBL-</td>
<td>cobbly light loam</td>
</tr>
<tr>
<td>COBLS</td>
<td>cobbly loamy sand</td>
</tr>
<tr>
<td>COBSICL</td>
<td>cobbly silty clay loam</td>
</tr>
<tr>
<td>COBSIL</td>
<td>cobbly silt loam</td>
</tr>
<tr>
<td>COBSL</td>
<td>cobbly sandy loam</td>
</tr>
<tr>
<td>CS</td>
<td>coarse sand</td>
</tr>
<tr>
<td>FSL</td>
<td>finde sandy loam</td>
</tr>
<tr>
<td>GR</td>
<td>gravel</td>
</tr>
<tr>
<td>GRCL</td>
<td>gravelly clay loam</td>
</tr>
<tr>
<td>GRCL+</td>
<td>gravelly heavy clay loam</td>
</tr>
<tr>
<td>GRCL-</td>
<td>gravelly light clay loam</td>
</tr>
<tr>
<td>GRL</td>
<td>gravelly loam</td>
</tr>
<tr>
<td>GRL+</td>
<td>gravelly heavy loam</td>
</tr>
<tr>
<td>GRL-</td>
<td>gravelly light loam</td>
</tr>
<tr>
<td>GRSHL</td>
<td>gravelly shotty loam</td>
</tr>
<tr>
<td>GRSICL</td>
<td>gravelly silty clay loam</td>
</tr>
<tr>
<td>GRSIL</td>
<td>gravelly silt loam</td>
</tr>
<tr>
<td>GRLSL</td>
<td>gravelly sandy loam</td>
</tr>
<tr>
<td>L</td>
<td>loam</td>
</tr>
<tr>
<td>L+</td>
<td>heavy loam</td>
</tr>
<tr>
<td>L-</td>
<td>light loam</td>
</tr>
<tr>
<td>LFS</td>
<td>loamy fine sand</td>
</tr>
<tr>
<td>LS</td>
<td>loamy sand</td>
</tr>
<tr>
<td>ORG.L</td>
<td>organic loam</td>
</tr>
<tr>
<td>SCL</td>
<td>sandy clay loam</td>
</tr>
<tr>
<td>SHCL</td>
<td>shotty clay loam</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>SHL</td>
<td>shotty loam</td>
</tr>
<tr>
<td>SHL+</td>
<td>shotty heavy loam</td>
</tr>
<tr>
<td>SHSIL</td>
<td>shotty silt loam</td>
</tr>
<tr>
<td>SHSL</td>
<td>shotty sandy loam</td>
</tr>
<tr>
<td>SHSTL</td>
<td>shotty stony loam</td>
</tr>
<tr>
<td>SHSTL+</td>
<td>shotty stony heavy loam</td>
</tr>
<tr>
<td>SHSTSCL</td>
<td>shotty stony sandy clay loam</td>
</tr>
<tr>
<td>SHSTSL</td>
<td>shotty stony sandy loam</td>
</tr>
<tr>
<td>SIC</td>
<td>silty clay</td>
</tr>
<tr>
<td>SIC+</td>
<td>heavy silty clay</td>
</tr>
<tr>
<td>SIC-</td>
<td>light silty clay</td>
</tr>
<tr>
<td>SICL</td>
<td>silty clay loam</td>
</tr>
<tr>
<td>SICL+</td>
<td>heavy silty clay loam</td>
</tr>
<tr>
<td>SICL-</td>
<td>light silty clay loam</td>
</tr>
<tr>
<td>SIL</td>
<td>silt loam</td>
</tr>
<tr>
<td>SIL+</td>
<td>heavy silt loam</td>
</tr>
<tr>
<td>SIL-</td>
<td>light silt loam</td>
</tr>
<tr>
<td>SL</td>
<td>sandy loam</td>
</tr>
<tr>
<td>SL-</td>
<td>light sandy loam</td>
</tr>
<tr>
<td>STC</td>
<td>stony clay</td>
</tr>
<tr>
<td>STCL</td>
<td>stony clay loam</td>
</tr>
<tr>
<td>STCL-</td>
<td>stony light clay loam</td>
</tr>
<tr>
<td>STL</td>
<td>stony loam</td>
</tr>
<tr>
<td>STL+</td>
<td>heavy stony loam</td>
</tr>
<tr>
<td>STSCL</td>
<td>stony sandy clay loam</td>
</tr>
<tr>
<td>STSHSCL</td>
<td>stony shotty sandy clay loam</td>
</tr>
<tr>
<td>STSIC</td>
<td>stony silty clay</td>
</tr>
<tr>
<td>STSICL</td>
<td>stony silty clay loam</td>
</tr>
<tr>
<td>STSICL+</td>
<td>stony heavy silty clay loam</td>
</tr>
<tr>
<td>STSICL-</td>
<td>stony light silty clay loam</td>
</tr>
<tr>
<td>STSIL</td>
<td>stony silt loam</td>
</tr>
<tr>
<td>STSIL+</td>
<td>stony heavy silt loam</td>
</tr>
<tr>
<td>STSL</td>
<td>stony sandy loam</td>
</tr>
<tr>
<td>VCOBL</td>
<td>very cobbly loam</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>VCOBSICL</td>
<td>very cobbly silty clay loam</td>
</tr>
<tr>
<td>VCOBSIL</td>
<td>very cobbly silty loam</td>
</tr>
<tr>
<td>VCOBSL</td>
<td>very cobbly sandy loam</td>
</tr>
<tr>
<td>VGRCL</td>
<td>very gravelly clay loam</td>
</tr>
<tr>
<td>VGRCS</td>
<td>very gravelly coarse sand</td>
</tr>
<tr>
<td>VGRL</td>
<td>very gravelly loam</td>
</tr>
<tr>
<td>VGRL+</td>
<td>very gravelly heavy loam</td>
</tr>
<tr>
<td>VGRL-</td>
<td>very gravelly light loam</td>
</tr>
<tr>
<td>VGRSICL</td>
<td>very gravelly silty clay loam</td>
</tr>
<tr>
<td>VGRSIL</td>
<td>very gravelly silt loam</td>
</tr>
<tr>
<td>VGRSIL-</td>
<td>very gravelly light silt loam</td>
</tr>
<tr>
<td>VGRSL</td>
<td>very gravelly sandy loam</td>
</tr>
<tr>
<td>VGRSHL</td>
<td>very gravelly shotty loam</td>
</tr>
<tr>
<td>VSTCL</td>
<td>very stony clay loam</td>
</tr>
<tr>
<td>VSTCL+</td>
<td>very stony heavy clay loam</td>
</tr>
<tr>
<td>VSTCL-</td>
<td>very stony light clay loam</td>
</tr>
<tr>
<td>VSTL</td>
<td>very stony loam</td>
</tr>
<tr>
<td>VSTL+</td>
<td>very stony heavy loam</td>
</tr>
<tr>
<td>VSTLS</td>
<td>very stony loamy sand</td>
</tr>
<tr>
<td>VSTSL</td>
<td>very stony sandy loam</td>
</tr>
<tr>
<td>LCS</td>
<td>loamy coarse sand</td>
</tr>
<tr>
<td>GRCS</td>
<td>gravelly coarse sand</td>
</tr>
<tr>
<td>LCS</td>
<td>loamy coarse sand</td>
</tr>
</tbody>
</table>