

Key to Soils
Figure 8.12-1

Code	Description
100tc	Auberry sandy loam, 5 to 9 percent slopes
103tc	Auberry sandy loam, 30 to 50 percent slopes
104ki	Cajon sandy loam
105tw	Calgro-Calgro, saline-Sodic complex, 0 to 2 percent slopes
106tc	Blasingame sandy loam, 15 to 30 percent slopes
112ki	Excelsior sandy loam
120ki	Grangeville fine sandy loam, partially drained
121ki	Grangeville fine sandy loam, saline-alkali, partially drained
121tc	Crouch coarse sandy loam, 15 to 30 percent slopes
131ki	Kimberlina fine sandy loam, sandy substratum
142tw	Wutchumna-Rock outcrop association, 5 to 50 percent slopes
143tw	Yettem sandy loam, 0 to 2 percent slopes
147ki	Nord fine sandy loam
148ki	Nord fine sandy loam, saline-alkali
169tc	Walong sandy loam, 15 to 30 percent slopes
174ki	Wasco sandy loam, 0 to 5 percent slopes
176tc	Yettem sandy loam, 0 to 2 percent slopes
177tc	Yettem sandy loam, 2 to 5 percent slopes
179ki	Whitewolf coarse sandy loam
282wf	Tachi clay, 0 to 1 percent slopes
AaA	Academy loam, 0 to 3 percent slopes
AaB	Academy loam, 3 to 9 percent slopes
AcB	Ahwahnee coarse sandy loam, 3 to 9 percent slopes
AcC	Ahwahnee coarse sandy loam, 9 to 15 percent slopes
AcD	Ahwahnee coarse sandy loam, 15 to 30 percent slopes
AcE	Ahwahnee coarse sandy loam, 30 to 45 percent slopes
AdD	Ahwahnee very rocky coarse sandy loam, 3 to 30 percent slopes
AdE	Ahwahnee very rocky coarse sandy loam, 30 to 45 percent slopes
AdF	Ahwahnee very rocky coarse sandy loam, 45 to 70 percent slopes
AeD	Ahwahnee very rocky coarse sandy loam, shallow, 3 to 30 percent slopes
AeF	Ahwahnee very rocky coarse sandy loam, shallow, 30 to 70 percent slopes
AhD	Ahwahnee-Sierra coarse sandy loams, 15 to 30 percent slopes
AhE	Ahwahnee-Sierra coarse sandy loams, 30 to 45 percent slopes
AkF	Ahwahnee-Tollhouse-Rock land complex, 45 to 70 percent slopes
AIB	Aiken loam, 3 to 9 percent slopes
AmF	Aiken very rocky loam, 45 to 70 percent slopes
An	Alamo clay
AoA	Atwater loamy sand, 0 to 3 percent slopes
AoB	Atwater loamy sand, 3 to 9 percent slopes
ApA	Atwater loamy sand, moderately deep, 0 to 3 percent slopes
ArA	Atwater sandy loam, 0 to 3 percent slopes
ArB	Atwater sandy loam, 3 to 9 percent slopes
AsA	Atwater sandy loam, clay substratum, 0 to 3 percent slopes
AtA	Atwater sandy loam, moderately deep, 0 to 3 percent slopes
AuB	Auberry coarse sandy loam, 3 to 9 percent slopes
AuB2	Auberry coarse sandy loam, 3 to 9 percent slopes, eroded
AuC	Auberry coarse sandy loam, 9 to 15 percent slopes
AuC2	Auberry coarse sandy loam, 9 to 15 percent slopes, eroded
AuD	Auberry coarse sandy loam, 15 to 30 percent slopes
AuD2	Auberry coarse sandy loam, 15 to 30 percent slopes, eroded
AuE	Auberry coarse sandy loam, 30 to 45 percent slopes

AuF	Auberry coarse sandy loam, 45 to 70 percent slopes
AvD	Auberry very rocky coarse sandy loam, 3 to 30 percent slopes
AvE	Auberry very rocky coarse sandy loam, 30 to 45 percent slopes
AvF	Auberry very rocky coarse sandy loam, 45 to 70 percent slopes
AwF	Auberry very rocky coarse sandy loam, shallow, 30 to 70 percent slopes
AxD	Auberry-sierra coarse sandy loams, 15 to 30 percent slopes
AxE	Auberry-sierra coarse sandy loams, 30 to 45 percent slopes
AxF	Auberry-sierra coarse sandy loams, 45 to 70 percent slopes
AyF	Auberry-sierra very rocky coarse sandy loams, 45 to 70 percent slopes
AzF	Auberry-Tollhouse-Rock land complex, 30 to 70 percent slopes
BaF	Basic igneous rock land
BcC	Blasingame loam, 3 to 15 percent slopes
BcD	Blasingame loam, 15 to 30 percent slopes
BcE	Blasingame loam, 30 to 45 percent slopes
BcF	Blasingame loam, 45 to 70 percent slopes
BdF	Blasingame loam, shallow, 45 to 70 percent slopes
BgD	Blasingame very rocky loam, 3 to 30 percent slopes
BgF	Blasingame very rocky loam, 45 to 70 percent slopes
BkF	Blasingame extremely rocky loam, shallow, 30 to 70 percent slopes
BID	Blasingame clay loam, shallow, 9 to 30 percent slopes
BIE	Blasingame clay loam, shallow, 30 to 45 percent slopes
BmE	Blasingame very rocky clay loam, 30 to 45 percent slopes
Bn	Borden loam
Bs	Borden loam, saline-alkali
Bt	Borden loam, moderately deep
Bu	Borden loam, moderately deep, saline alkali
Ca	Cajon loamy coarse sand
Cb	Cajon loamy coarse sand, saline-alkali
Cc	Cajon coarse sandy loam
Cd	Cajon coarse sandy loam, saline alkali
Ce	Cajon coarse sandy loam, moderately deep, saline alkali
CfA	Calhi loamy sand, 0 to 3 percent slopes
CfB	Calhi loamy sand, 3 to 9 percent slopes
CgA	Calhi loamy sand, moderately deep, 0 to 3 percent slopes
ChA	Centerville clay, 0 to 3 percent slopes
ChC	Centerville clay, 3 to 15 percent slopes
CKB	Centerville cobbly clay, 3 to 9 percent slopes
CKD	Centerville cobbly clay, 9 to 30 percent slopes
Cl	Chino sandy loam
Cm	Chino sandy loam, saline-alkali
Cn	Chino fine sandy loam
Co	Chino fine sandy loam, saline-alkali
Cp	Chino fine sandy loam, moderately deep, saline-alkali
Cr	Chino loam
Cs	Chino loam, saline-alkali
CtA	Chualar sandy loam, 0 to 3 percent slopes
CtB	Chualar sandy loam, 3 to 9 percent slopes
CuC	Cibo clay, 3 to 15 percent slopes
CuD	Cibo clay, 15 to 30 percent slopes
CuE	Cibo clay, 30 to 45 percent slopes
CvD	Cibo very rocky clay, 3 to 30 percent slopes
CvE	Cibo very rocky clay, 30 to 45 percent slopes

CvF	Cibo very rocky clay, 45 to 70 percent slopes
CwD	Cibo extremely rocky clay, 3 to 30 percent slopes
CwE	Cibo extremely rocky clay, 30 to 45 percent slopes
CxC	Coarsegold fine sandy loam, 9 to 15 percent slopes
CxD	Coarsegold fine sandy loam, 15 to 30 percent slopes
CxE	Coarsegold fine sandy loam, 30 to 45 percent slopes
CxF	Coarsegold fine sandy loam, 45 to 70 percent slopes
CyF	Coarsegold rocky fine sandy loam, 45 to 70 percent slopes
CzaB	Cometa sandy loam, 3 to 9 percent slopes
CzaC	Cometa sandy loam, 9 to 15 percent slopes
CzaD	Cometa sandy loam, 15 to 30 percent slopes
CzbB	Cometa loam, 2 to 9 percent slopes
CzcB	Cometa-San Joaquin sandy loams, 3 to 9 percent slopes
CzF	Colluvial land
DA	Denied access
DAM	Dams
DeA	Delhi sand, 0 to 3 percent slopes
DeB	Delhi sand, 3 to 9 percent slopes
DhA	Delhi loamy sand, 0 to 3 percent slopes
DhB	Delhi loamy sand, 3 to 9 percent slopes
DIA	Delhi loamy sand, moderately deep, 0 to 3 percent slopes
Dm	Dello loamy sand
Dn	Dello sandy loam
DpE	Delpiedra extremely stony loam, 30 to 45 percent slopes
DpF	Delpiedra extremely stony loam, 45 to 70 percent slopes
DsF	Delpiedra-Fancher extremely stony loams, 45 to 70 percent slopes
DUMP	Dumps
Ec	El Peco sandy loam
Ed	El Peco fine sandy loam
Ep	El Peco loam
Es	Exeter sandy loam
Et	Exeter sandy loam, shallow
Ex	Exeter loam
FaB	Fallbrook sandy loam, 3 to 9 percent slopes
FaC	Fallbrook sandy loam, 9 to 15 percent slopes
FaD	Fallbrook sandy loam, 15 to 30 percent slopes
FaE	Fallbrook sandy loam, 30 to 45 percent slopes
FbB	Fallbrook sandy loam, shallow, 3 to 9 percent slopes
FbD	Fallbrook sandy loam, shallow, 9 to 30 percent slopes
FcD	Fallbrook very rocky sandy loam, 3 to 30 percent slopes
FcF	Fallbrook very rocky sandy loam, 30 to 70 percent slopes
FdD	Fallbrook very rocky sandy loam, shallow, 3 to 30 percent slopes
FdF	Fallbrook very rocky sandy loam, shallow, 30 to 70 percent slopes
FeE	Fallbrook extremely rocky sandy loam, 30 to 45 percent slopes
FhE	Fancher extremely stony loam, 30 to 45 percent slopes
FhF	Fancher extremely stony loam, 45 to 70 percent slopes
FIE	Fancher-Blasingame complex, 30 to 45 percent
FIF	Fancher-Blasingame complex, 45 to 70 percent slopes
Fm	Foster sandy loam
Fn	Foster loam
Fo	Foster loam, saline-alkali
Fp	Foster loam, moderately deep

Fr	Foster loam, moderately deep, saline-alkali
Fs	Fresno sandy loam
Ft	Fresno sandy loam, shallow
Fu	Fresno fine sandy loam
Fv	Fresno fine sandy loam, shallow
Fw	Fresno clay loam
Fx	Fresno-Traver complex
FyD	Friant fine sandy loam, 9 to 30 percent slopes
FyE	Friant fine sandy loam, 30 to 45 percent slopes
Ga	Grangeville sandy loam
Gd	Grangeville sandy loam, saline alkali
Ge	Grangeville sandy loam, sandy substratum
Gf	Grangeville fine sandy loam
Gg	Grangeville fine sandy loam, saline alkali
Gh	Grangeville fine sandy loam, water table
Gk	Grangeville fine sandy loam, water table, saline alkali
Gl	Grangeville fine sandy loam, gravelly substratum
Gm	Grangeville fine sandy loam, sandy substratum
Gn	Grangeville fine sandy loam, hard substratum
Go	Grangeville fine sandy loam, hard substratum, saline-alkali
Gp	Grangeville soils, channeled
GrF	Granitic rock land
GsA	Greenfield coarse sandy loam, 0 to 3 percent slopes
GtA	Greenfield sandy loam, 0 to 3 percent slopes
GtB	Greenfield sandy loam, 3 to 9 percent slopes
GuA	Greenfield sandy loam, moderately deep, 0 to 3 percent slopes
Ha	Hanford coarse sandy loam
Hb	Hanford coarse sandy loam, hard substratum
Hc	Hanford sandy loam
Hd	Hanford sandy loam, benches
He	Hanford sandy loam, gravelly substratum
Hf	Hanford sandy loam, sandy substratum
Hg	Hanford sandy loam, silty substratum
Hh	Hanford sandy loam, clay loam substratum
Hk	Hanford sandy loam, hard substratum
Hi	Hanford gravelly sandy loam
Hm	Hanford fine sandy loam
Hn	Hanford fine sandy loam, gravelly substratum
Ho	Hanford fine sandy loam, silty substratum
Hp	Hanford fine sandy loam, clay loam substratum
Hr	Hanford fine sandy loam, hard substratum
Hsa	Hesperia coarse sandy loam
Hsc	Hesperia coarse sandy loam, saline-alkali
Hsd	Hesperia sandy loam
Hse	Hesperia sandy loam, saline-alkali
Hsm	Hesperia sandy loam, moderately deep
Hsn	Hesperia sandy loam, moderately deep, saline-alkali
Hso	Hesperia sandy loam, shallow
Hsp	Hesperia sandy loam, shallow, saline-alkali
Hsr	Hesperia fine sandy loam
Hss	Hesperia fine sandy loam, saline alkali
Hst	Hesperia fine sandy loam moderately deep

Hsy	Hesperia fine sandy loam, moderately deep, saline-alkali
HtC	Hideaway extremely stony loam, 3 to 15 percent slopes
Hu	Hildreth clay
HvE	Holland coarse sandy loam, 15 to 45 percent slopes
HwA	Honcut fine sandy loam, 0 to 3 percent slopes
HwB	Honcut fine sandy loam, 3 to 9 percent slopes
HyA	Honcut fine sandy loam, gravelly substratum, 0 to 3 percent slopes
HzA	Honcut fine sandy loam, hard substratum, 0 to 3 percent slopes
KeC	Keefers loam, 3 to 15 percent slopes
KfD	Keefers cobbly loam, 3 to 30 percent slopes
KmC	Keyes cobbly clay loam, 3 to 15 percent slopes
LbB	Los Robles sandy loam, 2 to 9 percent slopes
LgB	Los Robles sandy loam, gravelly substratum 2 to 9 percent slopes
LmA	Los Robles loam, 0 to 3 percent slopes
LmB	Los Robles loam, 3 to 9 percent slopes
LnB	Los Robles loam, hard substratum, 2 to 9 percent slopes
LoA	Los Robles clay loam, 0 to 3 percent slopes
M-W	Miscellaneous water
Ma	Madera sandy loam
Mc	Madera loam
Md	Madera loam, saline-alkali
Me	Madera clay loam
Mf	Merced clay loam
Mg	Merced clay loam, slightly saline
Mh	Merced clay
Mk	Merced clay, slightly saline
MI	Merced clay, moderately saline
Mm	Merced clay, saline-alkali
MnD	Millerton fine sandy loam, 9 to 30 percent slopes
MnE	Millerton fine sandy loam, 30 to 45 percent slopes
MnF	Millerton fine sandy loam, 45 to 70 percent slopes
MnF2	Millerton fine sandy loam, 45 to 70 percent slopes, eroded
MoD	Millerton rocky fine sandy loam, 3 to 30 percent slopes
MoE	Millerton very rocky fine sandy loam, 30 to 45 percent slopes
MoF	Millerton very rocky fine sandy loam, 45 to 70 percent slopes
MpC	Montpellier coarse sandy loam, 9 to 15 percent slopes
MpD	Montpellier coarse sandy loam, 15 to 30 percent slopes
MtB	Mt. Olive clay, 3 to 9 percent slopes
MtC	Mt. Olive clay, 9 to 15 percent slopes
No	Nord loam
Ns	Nord loam, saline-alkali
Pa	Pachappa loam
Pc	Pachappa loam, saline alkali
Pd	Pachappa loam, moderately deep
Pe	Pachappa loam, moderately deep, saline-alkali
PfB	Piper sandy loam, 0 to 9 percent slopes
PgB	Piper fine sandy loam, 0 to 9 percent slopes
PhB	Piper-Rossi complex, 0 to 9 percent slopes
Pk	Pits
Pl	Playas
PmB	Pollasky sandy loam, 2 to 9 percent slopes
PmC	Pollasky sandy loam, 9 to 15 percent slopes

PmD	Pollasky sandy loam, 15 to 30 percent slopes
PnB	Pollasky fine sandy loam, 2 to 9 percent slopes
PnC	Pollasky fine sandy loam, 9 to 15 percent slopes
PoC	Pollasky-Montpellier complex, 9 to 15 percent slopes
PoD	Pollasky-Montpellier complex, 15 to 30 percent slopes
PpC	Pollasky-Rocklin sandy loams, 3 to 15 percent slopes
Pr	Pond sandy loam
Ps	Pond sandy loam, moderately deep
Pt	Pond fine sandy loam
Pu	Pond fine sandy loam, moderately deep
Pv	Pond loam
Pw	Pond loam, moderately deep
PxA	Porterville clay, 0 to 3 percent slopes
PxC	Porterville clay, 3 to 15 percent slopes
PyC	Porterville cobbly clay, 3 to 15 percent slopes
PzaB	Positas gravelly loam, 3 to 9 percent slopes
PzaD	Positas gravelly loam, 9 to 30 percent slopes
PzaE	Positas gravelly loam, 30 to 45 percent slopes
PzD	Porterville very cobbly clay, 0 to 30 percent slopes
Ra	Ramona sandy loam
Rb	Ramona sandy loam, hard substratum
Rc	Ramona loam
Rd	Ramona loam, gravelly substratum
Re	Ramona loam, hard substratum
RfC	Redding gravelly loam, 3 to 15 percent slopes
RgB	Redding gravelly loam, shallow, 3 to 9 percent slopes
Rh	Riverwash
RkB	Rocklin sandy loam, 3 to 9 percent slopes
RID	Rocklin sandy loam, pumiceous variant, 3 to 30 percent slopes
Ro	Rossi fine sandy loam
Rs	Rossi clay loam
Sa	Sandy alluvial land
Sb	Sandy alluvial land, leveled
ScA	San Joaquin sandy loam, 0 to 3 percent slopes
SdA	San Joaquin sandy loam, shallow, 0 to 3 percent slopes
SdB	San Joaquin sandy loam, shallow, 3 to 9 percent slopes
SeA	San Joaquin loam, 0 to 3 percent slopes
SfA	San Joaquin loam, gravelly substratum, 0 to 3 percent slopes
SgA	San Joaquin loam, shallow, 0 to 3 percent slopes
SgB	San Joaquin loam, shallow, 3 to 9 percent slopes
ShB	San Joaquin-Alamo complex, 3 to 9 percent slopes
SkB	Sesame sandy loam, 3 to 9 percent slopes
SkC	Sesame sandy loam, 9 to 15 percent slopes
SkD	Sesame sandy loam, 15 to 30 percent slopes
SIB	Sesame loam, 3 to 9 percent slopes
SIC	Sesame loam, 9 to 15 percent slopes
SmE	Shaver coarse sandy loam, 15 to 45 percent slopes
SnC	Sierra sandy loam, 9 to 15 percent slopes
SnD	Sierra sandy loam, 15 to 30 percent slopes
SnE	Sierra sandy loam, 30 to 45 percent slopes
SnF	Sierra sandy loam, 45 to 70 percent slopes
SoD	Sierra very rocky sandy loam, 3 to 30 percent slopes

SoE	Sierra very rocky sandy loam, 30 to 45 percent slopes
SoF	Sierra very rocky sandy loam, 45 to 70 percent slopes
SPILLW	Spillway
StF	Sierra-Tollhouse-Rock land complex, 45 to 70 percent slopes
Sw	Swamp
Ta	Temple loam
Tb	Temple loam, saline
Tc	Temple loam, saline-alkali
Td	Temple clay loam
Te	Temple clay loam, saline
Tf	Temple clay loam, saline-alkali
Tg	Temple clay
ThF	Terrace escarpments
TkB	Tivy loam, 3 to 9 percent slopes
TkD	Tivy loam, 9 to 30 percent slopes
TkE	Tivy loam, 30 to 45 percent slopes
TkF	Tivy loam, 45 to 70 percent slopes
TID	Tivy very rocky loam, 3 to 30 percent slopes
TIF	Tivy very rocky loam, 30 to 70 percent slopes
TmF	Tollhouse extremely rocky coarse sandy loam, 30 to 70 percent slopes
TnF	Toomes extremely cobbly loam, 30 to 70 percent slopes
ToC	Trabuco loam, 9 to 15 percent slopes
ToD	Trabuco loam, 15 to 30 percent slopes
ToE	Trabuco loam, 30 to 45 percent slopes
ToF	Trabuco loam, 45 to 70 percent slopes
TpE	Trabuco very rocky loam, 30 to 45 percent slopes
TpF	Trabuco very rocky loam, 45 to 70 percent slopes
Tr	Traver sandy loam
Ts	Traver sandy loam, moderately deep
Tt	Traver fine sandy loam
Tu	Traver fine sandy loam, moderately deep
TvC	Tretten fine sandy loam, 3 to 15 percent slopes
TvD	Tretten fine sandy loam, 15 to 30 percent slopes
TvE	Tretten fine sandy loam, 30 to 45 percent slopes
TvF	Tretten fine sandy loam, 45 to 70 percent slopes
TwF	Tretten very rocky fine sandy loam, 45 to 70 percent slopes
TxC	Trimmer loam, 3 to 15 percent slopes
TxD	Trimmer loam, 15 to 30 percent slopes
TxE	Trimmer loam, 30 to 45 percent slopes
TxF	Trimmer loam, 45 to 70 percent slopes
TyE	Trimmer very rocky loam, 30 to 45 percent slopes
TyF	Trimmer very rocky loam, 45 to 70 percent slopes
TzaA	Tujunga sand, 0 to 3 percent slopes
TzbA	Tujunga loamy sand, 0 to 3 percent slopes
TzbB	Tujunga loamy sand, 3 to 9 percent slopes
TzcA	Tujunga loamy sand, gravelly substratum, 0 to 3 percent slopes
TzdA	Tujunga cobbly loamy sand, 0 to 3 percent slopes
TzE	Trimmer-Tretten complex, 15 to 45 percent slopes
TzeB	Tujunga soils, channeled, 0 to 9 percent slopes
TzF	Trimmer-Tretten complex, 45 to 70 percent slopes
VaA	Visalia sandy loam, 0 to 3 percent slopes
VaB	Visalia sandy loam, 3 to 9 percent slopes

VdA	Visalia sandy loam, clay loam substratum, 0 to 3 percent slopes
VeA	Visalia loam, 0 to 3 percent slopes
VfB	Vista coarse sandy loam, 3 to 9 percent slopes
VfC	Vista coarse sandy loam, 9 to 15 percent slopes
VfD	Vista coarse sandy loam, 15 to 30 percent slopes
VfE	Vista coarse sandy loam, 30 to 45 percent slopes
VfF	Vista coarse sandy loam, 45 to 70 percent slopes
VgB	Vista coarse sandy loam, shallow, 3 to 9 percent slopes
VgD	Vista coarse sandy loam, shallow, 9 to 30 percent slopes
VgE	Vista coarse sandy loam, shallow, 30 to 45 percent slopes
VkD	Vista very rocky coarse sandy loam, 3 to 30 percent slopes
VkE	Vista very rocky coarse sandy loam, 30 to 45 percent slopes
VkF	Vista very rocky coarse sandy loam, shallow, 45 to 70 percent slopes
VID	Vista very rocky coarse sandy loam, shallow, 3 to 30 percent slopes
VIF	Vista very rocky coarse sandy loam, shallow, 30 to 70 percent slopes
VmD	Vista extremely rocky coarse sandy loam, 3 to 30 percent slopes
VnD	Vista-Fallbrook coarse sandy loams, 9 to 30 percent slopes
VoD	Vista-Fallbrook very rocky coarse sandy loams, 3 to 30 percent slopes
VoE	Vista-Fallbrook very rocky coarse sandy loams, 30 to 45 percent slopes
VsF	Vista-Fallbrook extremely rocky coarse sandy loams, 30 to 70 percent slopes
W	Water
Wa	Waukena fine sandy loam
We	Waukena loam
WhB	Wisheylu loam, 3 to 9 percent slopes
WhD	Wisheylu loam, 9 to 30 percent slopes
WhE	Wisheylu loam, 30 to 45 percent slopes
WhF	Wisheylu loam, 45 to 70 percent slopes
WrD	Wisheylu very rocky loam, 3 to 30 percent slopes
Ws	Wunjey fine sandy loam
Wu	Wunjey silt loam
YhA	Yokohl loam, 0 to 3 percent slopes
YhB	Yokohl loam, 3 to 9 percent slopes
YkA	Yokohl loam, moderately deep, 0 to 3 percent slopes
YkB	Yokohl loam, moderately deep, 3 to 9 percent slopes
YIB	Yokohl gravelly loam, 3 to 9 percent slopes
YmA	Yokohl clay loam, moderately deep, 3 to 9 percent slopes