

APPENDIX D
CAMP PENDLETON SOILS:
CODES, ACREAGES, AND ERODIBILITY

Soil Code, Description, Acreage, and Erodibility of Camp Pendleton Soils

Soil Code	Description	Acreage	Erodibility ¹
	Undefined	2	
ACG	Acid igneous rock land	90	Severe 1
ATC	Altamont clay, 5-9% slopes	1095.2	Slight
ATD	Altamont clay, 9-15% slopes	1314.2	Slight
ATE	Altamont clay, 15-30% slopes	1151.3	Moderate 1
ATF	Altamont clay, 30-50% slopes	3404.0	Severe 1
B1C	Bonsall sandy loam, 2-9% slopes	524	Severe 9
B1C2	Bonsall sandy loam, 2-9% slopes, eroded	105	Severe 9
B1D2	Bonsall sandy loam, 9-15% slopes, eroded	118	Severe 9
BEE	Blasingame loam, 9-30% slopes	780	Severe 16
BGF	Blasingame loam, 30-50% slopes	103.8	Severe 1
BSC	Bosanko clay, 2-9% slopes	8	Moderate 16
C1D2	Cieneba coarse sandy loam, 5-15% slopes, eroded	104.0	Severe 16
C1E2	Cieneba coarse sandy loam, 15-30% slopes, eroded	82.2	Severe 16
C1G2	Cieneba coarse sandy loam, 30-65% slopes, eroded	4137.9	Severe 1
CBB	Carlsbad gravelly loamy sand, 2-5% slopes	272.5	Severe 2
CBC	Carlsbad gravelly loamy sand, 5-9% slopes	1173.0	Severe 2
CBD	Carlsbad gravelly loamy sand, 9-15% slopes	45.1	Severe 2
CBE	Carlsbad gravelly loamy sand, 15-30% slopes	116.4	Severe 2
CCC	Carlsbad-Urban land complex, 2-9% slopes	80.3	
CFB	Chesterton fine sandy loam, 2-5% slopes	343.3	Severe 9
CFC	Chesterton fine sandy loam, 5-9% slopes	212.2	Severe 9
CME2	Cieneba rocky coarse sandy loam, 9-30% slopes, eroded	335.3	Severe 16
CMRG	Cieneba very rocky coarse sandy loam, 30-75% slopes	17360	Severe 1
CNE2	Cieneba-Fallbrook rocky sandy loams, 9-30% slopes, eroded	470	Severe 16
CNG2	Cieneba-Fallbrook rocky sandy loams, 35-65% slopes, eroded	86	Severe 1

Camp Pendleton Soils *Continued.*

Soil Code	Description	Acreage	Erodibility ¹
CR	Coastal beaches	181.4	Severe 2
DAC	Diablo clay, 2-9% slopes	340.2	Slight
DAD	Diablo clay, 9-15% slopes	479.4	Slight
DAE	Diablo clay, 15-30% slopes	886.0	Moderate
DAE2	Diablo clay, 15-30% slopes, eroded	302.3	Moderate 1
DAF	Diablo clay, 30-50% slopes	976.7	Severe 1
DOE	Diablo-Olivenhain complex, 9-30% slopes	254.9	Moderate 1
EDC	Elder shaly fine sandy loam, 2-9% slopes	2543.3	Moderate 2
ESC	Escondido very fine sandy loam, 5-9% slopes	67.6	Severe 16
ESD2	Escondido very fine sandy loam, 9-15% slopes, eroded	77.2	Severe 16
ESE2	Escondido very fine sandy loam, 15-30% slopes, eroded	64.1	Severe 16
EXG	Exchequer rocky silt loam, 30-70% slopes	718.8	Severe 1
FAB	Fallbrook sandy loam, 2-5% slopes	88.3	Severe 16
FAC	Fallbrook sandy loam, 5-9% slopes	1011.9	Severe 16
FAC2	Fallbrook sandy loam, 5-9% slopes, eroded	904.5	Severe 16
FAD2	Fallbrook sandy loam, 9-15% slopes, eroded	1570.6	Severe 16
FAE2	Fallbrook sandy loam, 15-30% slopes, eroded	1064.2	Severe 16
FEC	Fallbrook rocky sandy loam, 5-9% slopes	19.8	Severe 16
FEE	Fallbrook rocky sandy loam, 9-30% slopes	337.9	Severe 16
FEE2	Fallbrook rocky sandy loam, 9-30% slopes, eroded	859.4	Severe 16
FVD	Fallbrook-Vista sandy loam, 9-15% slopes	13.1	Severe 16
FXE	Friant rocky fine sandy loam, 9-30% slopes	34.0	Severe 9
FXG	Friant rocky fine sandy loam, 30-70% slopes	27.8	Severe 1
GAE	Gaviota fine sandy loam, 9-30% slopes	427.2	Severe 9
GAF	Gaviota fine sandy loam, 30-50% slopes	5917.5	Severe 1
GOA	Grangeville fine sandy loam, 0-2% slopes	297.4	Severe 16
GRA	Greenfield sandy loam, 0-2% slopes	411.0	Severe 16
GRB	Greenfield sandy loam, 2-5% slopes	625.4	Severe 16
GRC	Greenfield sandy loam, 5-9% slopes	130.3	Severe 16
HAG	Hambright gravelly clay loam, 30-75% slopes	5553.4	Severe 1
HRC	Huerhuero loam, 2-9% slopes	3165.2	Severe 9
HRD	Huerhuero loam, 9-15% slopes	1405.4	Severe 9
HRD2	Huerhuero loam, 9-15% slopes, eroded	46.0	Severe 9

Camp Pendleton Soils *Continued.*

Soil Code	Description	Acreage	Erodibility ¹
HRE2	Huerhuero loam, 15-30% slopes, eroded	2024.6	Severe 9
HUC	Huerhuero-Urban land complex, 2-9% slopes	70.9	
HUE	Huerhuero-Urban land complex, 9-30% slopes	34.9	
LEC	Las Flores loamy fine sand, 2-9% slopes	2666.5	Severe 2
LEC2	Las Flores loamy fine sand, 5-9% slopes, eroded	39.1	Severe 2
LED	Las Flores loamy fine sand, 9-15% slopes	3388.6	Severe 2
LED2	Las Flores loamy fine sand, 9-15% slopes, eroded	1952.8	Severe 2
LEE	Las Flores loamy fine sand, 15-30% slopes	4288.6	Severe 2
LEE2	Las Flores loamy fine sand, 15-30% slopes, eroded	1355.0	Severe 2
LEE3	Las Flores loamy fine sand, 9-30% slopes, severely eroded	482.2	Severe 2
LFC	Las Flores-Urban land complex, 2-9% slopes	83.2	
LPC	Las Posas fine sandy loam, 5-9% slopes	127.1	Moderate 2
LPD2	Las Posas fine sandy loam, 9-15% slopes, eroded	6.2	Moderate 2
LPE2	Las Posas fine sandy loam, 15-30% slopes, eroded	77.8	Moderate 1
LRE	Las Posas fine sandy loam, 9-30% slopes	315.5	Moderate 1
LRG	Las Posas stony fine sandy loam, 30-65% slopes	490.4	Severe 1
LSE	Linne clay loam, 9-30% slopes	145.5	Moderate 2
LSF	Linne clay loam, 30-50% slopes	1679.6	Severe 1
LVF3	Loamy alluvial land-Huerhuero complex, 9-50% slopes, severely eroded	66.3	Severe 1
M1C	Marina loamy coarse sand, 2-9% slopes	550.3	Severe 2
M1E	Marina loamy coarse sand, 9-30% slopes	804.4	Severe 2
MD	Made land	5.3	
OHC	Olivenhain cobbly loam, 2-9% slopes	6761.6	Severe 16
OHE	Olivenhain cobbly loam, 9-30% slopes	2978.1	Severe 16
OHF	Olivenhain cobbly loam, 30-50% slopes	7373.6	Severe 1
OKC	Olivenhain-Urban complex, 2-9% slopes	308.9	
PEC	Placentia sandy loam, 2-9% slopes	22.5	Severe 9
PEC2	Placentia sandy loam, 5-9% slopes, eroded	20.5	Severe 9
PFC	Placentia sandy loam, thick surface, 2-9% slopes	186.1	Severe 16
RAB	Ramona sandy loam, 2-5% slopes	20.9	Severe 16
RAC	Ramona sandy loam, 5-9% slopes	2.7	Severe 16
RAC2	Ramona sandy loam, 5-9% slopes, eroded	92.5	Severe 16

Camp Pendleton Soils *Continued.*

Soil Code	Description	Acreage	Erodibility¹
RAD2	Ramona sandy loam, 9-15% slopes, eroded	8.0	Severe 16
RCD	Ramona gravelly sandy loam, 9-15% slopes	122.1	Severe 16
RCE	Ramona gravelly sandy loam, 15-30% slopes	112.5	Severe 16
RKB	Reiff fine sandy loam, 2-5% slopes	2922.9	Severe 16
RKC	Reiff fine sandy loam, 5-9% slopes	11666.7	Severe 16
RM	Riverwash	1998.8	Severe 2
RUG	Rough broken land	13662.5	Severe 1
SBA	Salinas clay loam, 0-2% slopes	116.6	Moderate 2
SBC	Salinas clay loam, 2-9% slopes	2831.7	Moderate 2
SCA	Salinas clay, 0-2% slopes	269.0	Slight
SCB	Salinas clay, 2-5% slopes	1336.7	Slight
STG	Steep gullied land	1467.6	Severe 1
SVE	Stony land	4300.9	Severe 1
TEF	Terrace escarpments	6120.6	Severe 1
TF	Tidal flats	363.2	Severe 2
TUB	Tujunganga sand, 0-5% slopes	810.0	Severe 2
VAA	Visalia sandy loam, 0-2% slopes	1726.0	Severe 16
VAB	Visalia sandy loam, 2-5% slopes	857.8	Severe 16
VAC	Visalia sandy loam, 5-9% slopes	1289.7	Severe 16
VAD	Visalia sandy loam, 9-15% slopes	77.9	Severe 16
VBB	Visalia gravelly sandy loam, 2-5% slopes	127.9	Severe 16
VBC	Visalia gravelly sandy loam, 5-9% slopes	852.3	Severe 16
VSC	Vista coarse sandy loam, 5-9% slopes	403.2	Moderate 2
VSD	Vista coarse sandy loam, 9-15% slopes	23.1	Moderate 2
VSD2	Vista coarse sandy loam, 9-15% slopes, eroded	49.8	Moderate 2
VSE	Vista coarse sandy loam, 15-30% slopes	458.4	Moderate 2
VSE2	Vista coarse sandy loam, 15-30% slopes, eroded	463.7	Moderate 2
VVD	Vista rocky coarse sandy loam, 5-15% slopes	33.6	Moderate 2
VVE	Vista rocky coarse sandy loam, 15-30% slopes	414.4	Moderate 2
WTR	Water	237.3	

¹ Erodibility rating system- *Slight* indicates that water erosion is a minor problem and the soil is suitable for intensive use if other factors are favorable. *Moderate* and *Severe* indicate that protective and corrective measures are needed before and during the time the soil is used. Numerals indicate soil properties or qualities that affect erodibility. (1) refers to slope; (2) indicates surface layer texture; (9) refers to depth to hard rock, or a hardpan, or any layer that restricts permeability; (16) refers to grade of structure in the surface layer. Absence of rating means no valid interpretations can be made.