FIELD SHEET FOR RECORDING SOIL CHARACTERISTICS

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

Date 6/1/24

No.

UTM E N	Elev:	Slope: 4%	Aspect: 340° N	MAP:	MAAT:	MAST:
Landform: Shoulder	Native Veg: Anual Grasses	PM: Feldspathic Greywacke	Present Use: Rangeland		SMR: Xeric	STR: Thermic

HORIZON	DEPTH	BDRY	COLOR (H V C)	TEXTURE	CLAY %	ROCK FRAGS	STRUCTURE	CONSISTENCE D/M RR	CONSISTENCE Pl/St	pH	CLAY FILMS	ROOTS	CO3	OTHER
A	0-5cm	SC	D 7.5 YR 5/4 M 7.5 YR 3/3	GR CL	30%	20% GR	2, M, ABK	HA/FR	PO/SS	6.5	— —	6 VF	NE	
Bt1	5-21cm	GS	D 7.5 YR 5/4 M 7.5 YR 2.5/3	GR CL	36%	25% GR	1, M, ABK	MH/VFR	SP/SS	7.0	5% CLF PF	2 VF	NE	
Bt2	21-38 cm	GW	D 7.5 YR 4/4 M 5 YR 3/4	VGR C	42%	35% GR	1, CO, ABK	MH/L	VP/MS	7.0	30% CLF PF	2 VF	NE	
2BCt	38-54 cm	GS	D 7.5 YR 4/4 M 7.5 YR 3/2	XGR C	50%	70% GR	— — —	— —	MP/MS	7.0	25% CLF RF	1 VF	NE	
2Cr	54+ cm		D — — — M — — —	— — —	— —	— — —	— — —	— —	— —	— —	— —	— — —	— — —	
			D M											
			D M											
			D M											

Diagnostic horizons/features:	PSCS:	PS Class:	Mineralogy class:
Classification:			

Ksat Surface:	Ksat Limiting:	Surface Runoff:	Depth to water table:	AWHC: _____ cm/cm _____ to 150 cm

Other notes: _____

Taxonomy of the Soil Guide

(Type depths into boxes if present)

Epipedon (depth)

0-21cm mollic
_____ ochric
_____ umbric
_____ none

DSSH or Feature (depths)

____ albic
5-38cm argillic
____ calcic
____ cambic
____ duripan
____ gypsic
____ natric
____ petrocalcic
____ salic
____ slickensides
____ lamellae
38cm lithologic discontinuity
____ lithic contact
____ paralithic contact
____ none

Order

____ Vertisols
____ Aridisols
____ Ultisols
X Mollisols
____ Alfisols
____ Inceptisols
____ Entisols

Suborder

____ Alb
____ Anthr
____ Aqu
____ Ar
____ Arg
____ Calc
____ Camb
____ Dur
____ Fluv
____ Orth
____ Psamm
____ Rend
____ Torr
X Xer

Great Group

____ Alb
____ Anthr
____ Aqu
X Argi
____ Calci
____ Duri
____ Dystr
____ Endo
____ Epi
____ Eutr
____ Fluv
____ Gypsi
____ Haplo
____ Hum
____ Natri
____ Pale
____ Petr
____ Psamm
____ Quartzi
____ Torri
____ Xer

Particle Size Control Section

5-38cm

Particle Size Class

____ Sandy-skeletal
____ Loamy-skeletal
____ Clayey-skeletal
____ Sandy
____ Loamy
____ Coarse-loamy
X Fine-loamy
____ Coarse-silty
____ Fine-silty
____ Clayey
____ Fine
____ Very fine

Mineralogy Class

____ Smectitic
____ Magnesic
X Mixed

CEC Activity Class

____ Superactive
X Active
____ None or Other

Temperature Class Thermic

Depth Class

X None or Other
____ Shallow (<50 cm)

Subgroup Typic Agrixerolls

Family Fine-loamy, Mixed, Active, Thermic, Typic Agrixerolls

Soil Profile Characteristics

Saturated Hydraulic Conductivity

Surface	Limiting Layer
____ High	____ High
____ Moderate	____ Moderate
X Low	X Low

Surface Runoff

____ Ponded
____ Very Low
____ Low
____ Medium
X High
____ Very High

Depth to Seasonal High Water Table

____ >150 cm
____ >100 to 150 cm
X >50 to 100 cm
____ >25 to 50 cm
____ ≤25 cm

Available Water Holding Capacity
(enter total value in blank)

X Very Low	<7.5 cm
____ Low	7.5 to <15.0 cm
____ Moderate	15.0 to <22.5 cm
____ High	≥22.5 cm

0.0867 cm H2O/cm soil
4.683 H2O/cm for whole profile

Notes