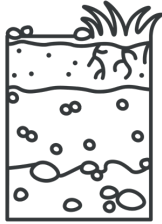
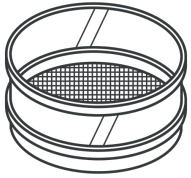


Remote Soil Genesis & Morphology - Field Experience



Name: _____

Date: _____

Site Name: _____



MORPHOLOGY

Horizon		Boundary			Moist Color			Texture				Structure		Redox Features		Carbonates		Clay Films	Score	
Prefix	LTR	Depth	Dist.	Topo.	Hue	Value	Chroma	%RF	RF Mod.	Class	%Clay	Grade	Type	Conc.	Deplet.	Efferv.	Qty.	presence		
		cm												Y/N	Y/N		%	Y/N	(44)	
1																				
2																				
3																				
4																				
5																				
6																				

C limate	SMR: _____	STR: _____
O rganisms	_____	
R elief	_____	
P arent M aterial	_____	
T ime	_____	
comments	_____	

PEDON CHARACTERISTICS

Saturated Hydraulic Conductivity
Surface (10) Most Limiting (10)
 ___ High ___ High
 ___ Moderate ___ Moderate
 ___ Low ___ Low

Soil Wetness Class (10)
 ___ Class 1, ≥150 cm
 ___ Class 2, 100 to 150 cm
 ___ Class 3, 50 to 100 cm
 ___ Class 4, 25 to 50 cm
 ___ Class 5, <25 cm

Effective Rooting Depth (10)
 ___ ≥150 cm
 ___ 100 to 150 cm
 ___ 50 to 100 cm
 ___ 25 to 50 cm
 ___ <25 cm

Available Water Holding Capacity (10)
 ___ High, ≥22.5 cm
 ___ Medium, 15.0 to 22.5 cm
 ___ Low, 7.5 to 15.0 cm
 ___ Very low, <7.5 cm
 _____ cm H₂O/m soil

SITE CHARACTERISTICS

Landform (10)
 ___ Delta
 ___ Lake Terrace
 ___ Alluvial Fan
 ___ Floodplain
 ___ Stream Terrace
 ___ Mountain Slope or Hillslope
 ___ other _____

Site Position (5)
 ___ Summit
 ___ Shoulder
 ___ Backslope
 ___ Footslope
 ___ Toeslope
 ___ none

Parent Material (10 each)
 ___ Alluvium
 ___ Colluvium
 ___ Glacial outwash
 ___ Glacial till
 ___ Lacustrine sediments
 ___ Residuum
 ___ other _____

Slope (10)
 ___ <3 %
 ___ 3-7 %
 ___ 7-12 %
 ___ 12-20%
 ___ ≥20%
 _____ %

Surface Runoff (10)
 ___ Ponda
 ___ Very Slow
 ___ Slow
 ___ Medium
 ___ Rapid
 ___ Very Rapid

**PART C
SCORE**

SOIL CLASSIFICATION

Epipedon (10) Subsurface Diagnostic Horizons or Features (10 each)
 ___ histic ___ albic
 ___ mollic ___ argillic
 ___ ochric ___ calcic
 ___ umbric ___ cambic
 ___ none ___ petrocalcic
 ___ salic
 ___ slickensides
 ___ gypsic
 ___ petrogypsic
 ___ densic
 ___ lithologic discontinuity(ies)
 ___ lithic contact
 ___ paralithic contact
 ___ (other _____)
 ___ none

Order (10)
 ___ Histosols
 ___ Vertisols
 ___ Aridisols
 ___ Mollisols
 ___ Alfisols
 ___ Inceptisols
 ___ Entisols

Particle-Size Control Section (5)
 ___ Mineral soil surface to root-limiting layer
 ___ 25 cm to root limiting layer
 ___ 25 to 100 cm
 ___ Upper 50 cm of argillic/natric
 ___ All of argillic/natric
 ___ Upper boundary of argillic/natric to 100 cm

Suborder (10)
 ___ Alb
 ___ Anthr
 ___ Aqu
 ___ Ar
 ___ Arg
 ___ Calc
 ___ Camb
 ___ Dur
 ___ Fluv
 ___ Orth
 ___ Psamm
 ___ Rend
 ___ Torr
 ___ Xer
 ___ Ust
 ___ Ud
 ___ Sapr
 ___ Cry
 ___ (other _____)

Great Group (10)
 ___ Alb
 ___ Anthr
 ___ Argi
 ___ Calc
 ___ Cry
 ___ Dystr
 ___ Endo
 ___ Epi
 ___ Eutr
 ___ Fluv
 ___ Gypsi
 ___ Hapl
 ___ Natr
 ___ Pale
 ___ Petr
 ___ Torri
 ___ (other _____)

Family Particle-Size Class (10)
 ___ Sandy
 ___ Loamy
 ___ Clayey
 ___ Sandy-skeletal
 ___ Loamy-skeletal
 ___ Clayey-skeletal
 ___ Coarse-silty
 ___ Coarse-loamy
 ___ Fine-silty
 ___ Fine-loamy
 ___ Fine
 ___ Very fine

Family (10): _____ Subgroup (10): _____