Science Graphs men Figure File Elements we need 1. Axis fitles W/units it JX:C Z. Axis Labels L. Legend, - = H:nt:AXES LABELS 123415G AXIS [it]e if applicable 3. Caption -> Summory or F.gure XX: Graph Showing infiltrotion descrition. Belan graph rate Infiltration (Figure Captons) TANDRE Captons above rute (in/min) plotted by similing location

- County (discrete) Essos Bars er Data on the Graph - Binney ESD) SEM L. Which variable goes compairs fin f V-95/-CI where? s Mensurement NO U Y-ax:5= Dependent (Response) variable SIL. TTILE 9 J.J. x-axis - Independent (Predictor) (variable Preview what we review control. +(-)Me PJ.nt Jerswe Graph Granz Gr3 Fry - Sampling location Bar PUT PUT DUT PUT 7 Sampling Localia (ategosiza) (disciele)





Ethnopedology



- ____ Ochric (A)
- Plaggen (A)
- ____ Umbric (A)

The asterisks (*) indicate the five epipedons that are naturally occurring over wide areas.							
Diagnostic Horizon (and Typical Genetic Horizon Designation)	Major Features						
Surface horizons = epipe	dons						
Anthropic (A)	Human-transported or modified materials, with artifacts, or high phosphorus or puddled condition (rice paddies)						
Folistic (O)	Organic horizon saturated for less than 30 days per normal year						
Histic (O)*	Very high in organic content, wet during some part of year						
Melanic (A)*	Thick, black, high in organic matter (>6% organic carbon), common in volcanic ash soils						
Mollic (A)*	Thick, dark-colored, high base saturation, well-developed structure						
Ochric (A)*	Too light-colored, low organic content or thin to be mollic; may be hard and massive when dry						
Plaggen (A)	Human-made sod-like horizon created by years of manuring, often with artifacts and spade marks						
Umbric (A)*	Similar to mollic except low base saturation						
Subsurface horizons							
Agric (A or B)	Organic and clay accumulation just below plow layer resulting from cultivation						
Albic (E)	Light-colored, clay and iron and aluminum oxides mostly removed						
Anhydritic (By)	Accumulation of anhydrite (CaSO ₄)						
Argillic (Bt)	Silicate clay accumulation						
Calcic (Bk)	Accumulation of carbonates of calcium and/or magnesium						
Cambic (Bw, Bg)	Altered by physical movement, structure development, or by chemical reactions, generally nonilluvial						
Duripan (Bqm)	Hard pan, strongly cemented by silica						
Fragipan (Bx)	Brittle pan, usually loamy textured, dense, coarse prisms						
Glossic (E)	Whitish eluvial horizon that tongues into a Bt horizon						
Gypsic (By)	Accumulation of gypsum (CaSO ₄ ·2H ₂ O)						
Kandic (Bt)	Accumulation of low-activity clays						
Natric (Btn)	Argillic, high in sodium, columnar or prismatic structure						
Oxic (Bo)	Highly weathered, primarily mixture of Fe, Al oxides and nonsticky-type silicate clays						
Petrocalcic (Ckm)	Cemented calcic horizon						
Petrogypsic (Cym)	Cemented gypsic horizon						
Placic (Csm)	Thin pan cemented with iron alone or with manganese and organic matter						
Salic (Bz)	Accumulation of salts						
Sombric (Bh)	Organic matter accumulation						
Spodic (Bh, Bs)	Organic matter, Fe and Al oxide accumulation						
Sulfuric (Cj)	Highly acid with Jarosite mottles						



 M_{O}







A(q.)): C Hor: zons

- Accumulation of S: Clays conentration, translocated from above borizons.

Natrie Horizon -> Accumulate cf S: Class but with >15% exchangele 2^{2} -5 Campon in arid and seni-arid

Spedic Horizon - Spedic Horizon rich in organic matter, mol Al oxides -> Cool, roish forests. Somfric - sillivial Lerizon rich in O watter who AI axides

Soil Moisture Regimes

Duration or sensorality ad quality

of moisture in soil

Aq, U; CSaturated soil free of oxygen

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Soil "gleing" Juining glei ur blein zoler from

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Sifficently high Moisture yeur - round to Support lecting Perudic -> excess maisture and very wigh leeching





Fairly Common in places with dry winters and wet growing seasons. "Between Voir and Aridic"

Ustic

Ardic. Dry, for al Jeast Lait af the growing season. M^{o^22} for < do



Canseculive days

Cg]C

horizons

Xeric - S Mediterrian Climates

- cool, moist winter, dry summers



		T _{ANN50} : Mean annual soil temperature at 50cm				
		<0 ↓	0 to 8 ↓	8 to 15 ↓	15 to 22 ↓	>22 ↓
T _{SUM50} : Mean	>15 →	Argelic Other	Frigid	Masia	Thormic	Uumouthoumin
soil temp. at 50cm	<15 →	permafrost)	Cryic	Westc	Thermic	nyperthermic

