

PEDON 01

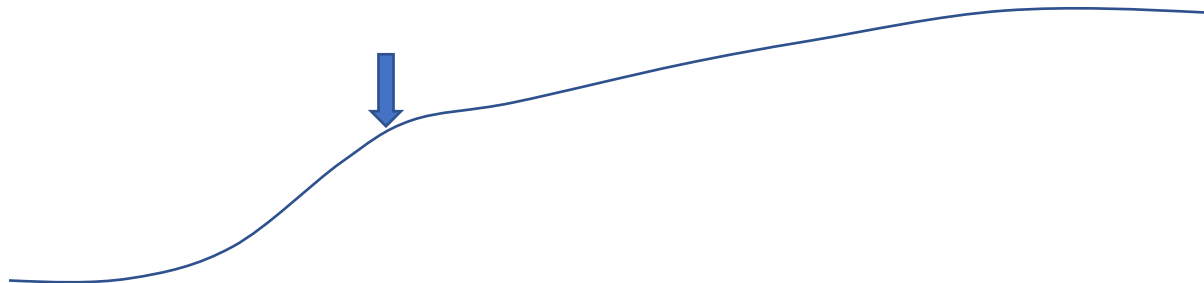
SITE INFORMATION

Southwestern Wisconsin Driftless Area near Platteville, WI. The site was cultivated within the last 30 yrs, but is not currently cropped. Slope is 15% and vegetation is mainly perennial cool-season grasses. Upland soils in this region have an udic soil moisture regime. The site has no ponding or flooding.

LANDFORM AND PARENT MATERIAL

The site is best described as a sloping upland (nose slope) with a west aspect. Soils of uplands in the Wisconsin driftless region are typically formed in dolostone or sandstone residuum covered by silty loess of varying thickness. A layer of reddish, clayey pedisidiment that contains few to many chert fragments is often found separating the loess and residuum.

HILLSLOPE POSITION



SOIL PIT INFORMATION

Horizons 2-7 have visible clay films on surfaces of peds, as pore linings, or coating weathered bedrock fragments. A “Crt” horizon consisting of weathered dolostone begins at 150 cm. Coarse fragments are generally flat and less than 15 cm in the longest dimension. Clay textures in this have the potential shrink and swell.

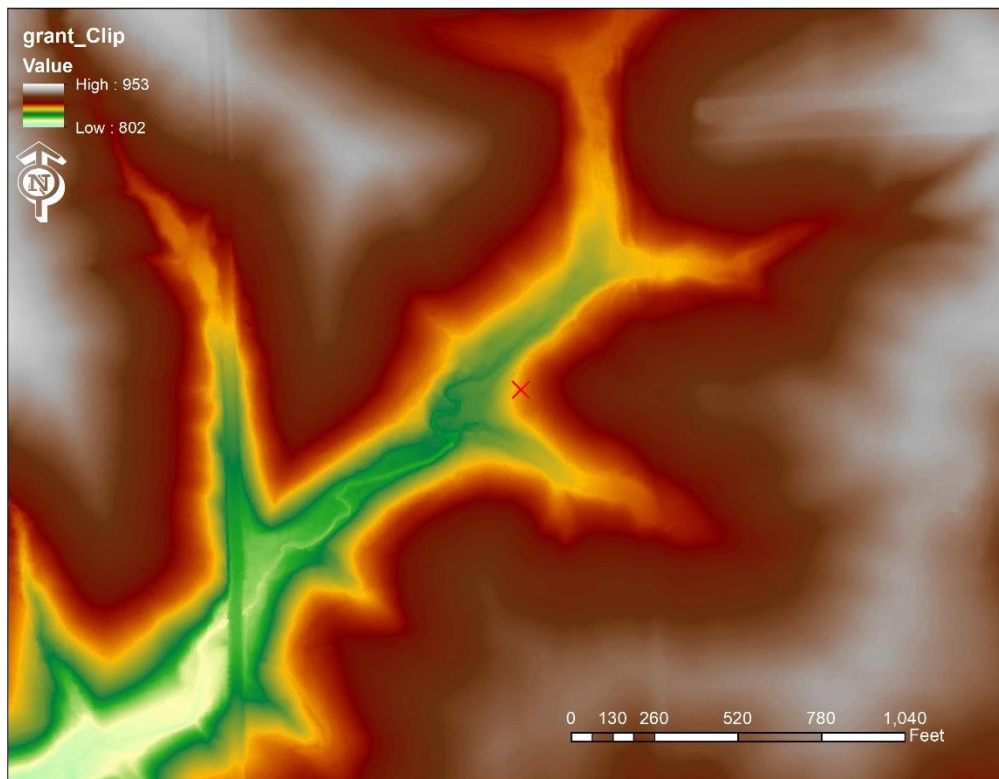
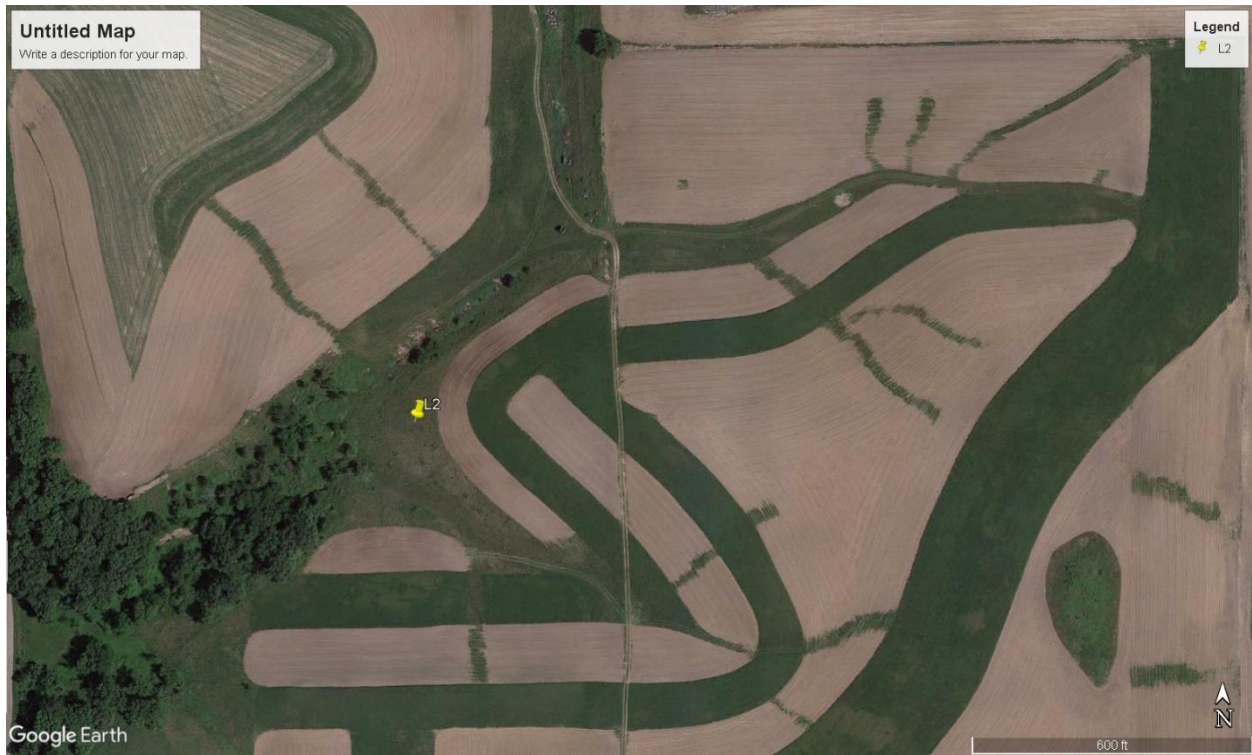
CHARACTERIZATION DATA

EXAMPLE:

Horizon	% Base Saturation	% Org. C	Dry Color
1	80	1.97	10YR 3/2
2	65	0.8	7.5YR 5/4
3	70	0.5	7.5YR 5/4
4	55	0.5	---
5	65	0.7	---
6	55	0.4	---
7	---	---	---

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SITE IMAGE



PROFILE IMAGE

PEDON 01



SCORECARD

PEDON 01

**SCORECARD
VIRTUAL NATIONAL
SOIL JUDGING
CONTEST
APRIL 5-16, 2021**

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
Total

Contestant: _____
 School: _____
 Pedon Number: _____

1. Soil Morphology										Score:													
Horizonation			Boundary		Texture				Color			Structure		Cons.			Soil Features			Score			
Master Pre. (5)	Let. (5)	Sub. (5)	No. (5)	Dep. (cm)	Dist.	Sand (%)	Silt (%)	Clay (%)	CF (%)	CF mod. (5)	Class (5)	Hue	Value	Chr.	Grade	Shape	Moist Strength	Dep.	Redox	Eff.	Cons.	Score	
																							CF mod. (5)
				28	A	7	79		0			10YR	3	2	2	GR	FR	-	-	-		(35)	
				41	C	6	74		0			7.5YR	4	4	2	SBK	FR	-	-	-			
				62	C	6	64		0			7.5YR	4	4	2	SBK	FR	-	-	-			
				79	C	9	39		5	chart		5YR	4	4	2	ABK	FI	-	-	-			
				113	C	37	25		55	chart		5YR	4	4	1	PR	FI	-	-	-			
				150	A	15	65		5			10YR	5	4	1	SBK	FI	-	-	-			
		Crt	-	160+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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2. Soil Profile Characteristics

Hydraulic Conductivity (10)		Limiting Layer (5)	Loading Rate at 7.5 cm (5)	Effective Soil Depth (5)	Water Retention Difference (5)	Soil Wetness Class (5)
Surface (5)	High Mod. Low	High Mod. Low	_____ gpd/ft ² (3) Ref. (2) _____	<input type="checkbox"/> V. shallow (<25 cm) <input type="checkbox"/> Shallow (25 to 49 cm) <input type="checkbox"/> Mod. deep (50 to 99 cm) <input type="checkbox"/> Deep (100 to 150 cm) <input type="checkbox"/> Very deep (≥150 cm)	<input type="checkbox"/> Very low (< 7.5 cm) <input type="checkbox"/> Low (7.5 to < 15 cm) <input type="checkbox"/> Mod. (15 to < 22.5 cm) <input type="checkbox"/> High (≥ 22.5 cm)	<input type="checkbox"/> (> 150 cm) <input type="checkbox"/> (100 to 150 cm) <input type="checkbox"/> (50 to 99 cm) <input type="checkbox"/> (25 to 49 cm) <input type="checkbox"/> (< 25 cm)

3. Site Characteristics

Parent Material (GIVEN)	Landform (GIVEN)	Slope (GIVEN)	Slope Profile (5)	Surface Runoff (5)	Eros. Pot. (5)
Loess Pedisidiment Residuum	upland nose slope	15%	<input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Backslope <input type="checkbox"/> Footslope <input type="checkbox"/> Toeslope <input type="checkbox"/> None	<input type="checkbox"/> Ponded <input type="checkbox"/> Very slow <input type="checkbox"/> Slow <input type="checkbox"/> Medium <input type="checkbox"/> Rapid <input type="checkbox"/> Very rapid	<input type="checkbox"/> Very Low <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very High

4. Soil Classification

Epipedon (5)	Subsurface horizons and/or diagnostic features (5 each)	Order (10)	Suborder (10)	Great Group (10)

5. Interpretations

Houses with Basements (3)	Septic Tank Abs. Fields (3)	Local Roads and Streets (3)	Corn (3)	Hopyards (3)	Created Wetlands (3)
<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason (2): _____