

# PEDON 06

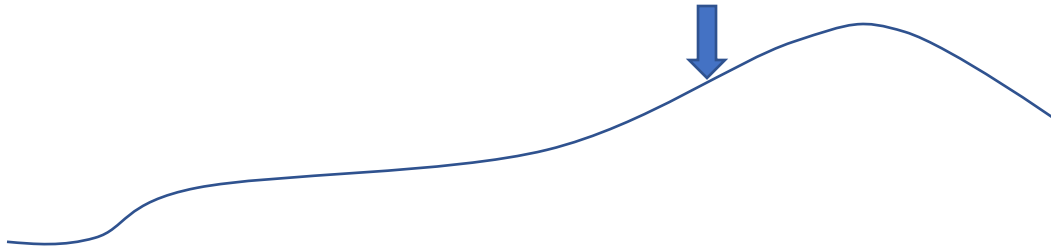
## SITE INFORMATION

Southwestern Wisconsin Driftless Area near Platteville, WI. The site is forested and has never been cropped. Slope is 11% and vegetation is mixed hardwood trees. The site has no ponding or flooding.

## LANDFORM AND PARENT MATERIAL

The site is best described as a sloping upland (sideslope) with a W-SW aspect. Soils of uplands in the Wisconsin driftless region are typically formed in dolostone or sandstone residuum covered by silty loess of varying thickness, however, due to the higher elevation and proximity to the Platteville mound, soils at this site are formed in clayey, shale-derived colluvium covered by a layer of loess. Coarse fragments found in this profile are primarily flat pieces of shale and less than 15 cm in length.

## HILLSLOPE POSITION



## SOIL MOISTURE AND TEMPERATURE REGIMES

Upland soils in this region have an udic soil moisture regime and mesic temperature regime.

## SOIL PIT INFORMATION

The soil contains a thin (<1 cm) O horizon that was not described. Horizons 3-6 have visible clay films on surfaces of peds or as pore linings. Coarse fragments of weathered dolostone are equiaxial and less than 7.5 cm in diameter. There are no visible secondary carbonates.

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## CHARACTERIZATION DATA

Horizon	% Base Saturation	% Org. C	% CaCO <sub>3</sub>
1	80	3.4	---
2	65	0.7	---
3	70	0.5	---
4	75	0.4	---
5	80	0.3	---
6	85	0.2	2

## SITE IMAGE





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## PROFILE IMAGE



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

1.	_____
2.	_____
3.	_____
4.	_____
5.	_____
<b>Total</b>	_____

Contestant: \_\_\_\_\_  
 School: \_\_\_\_\_  
 Pedon Number: \_\_\_\_\_

Horizonation			Boundary		Texture					Color			Structure		Cons.	Soil Features			Score		
Master Pre. (5)	Let (5)	Sub. (5)	No. (5)	Dep. (cm)	Dist.	Sand (%)	Silt (%)	Clay (%) (5)	CF (%)	CF mod. (5)	Class (5)	Hue	Value	Chr.	Grade	Shape	Moist Strength	Redox		Eft.	(35)
																		Dep.	Conc.		
				15	A	9	83		Ø			10YR	2	2	2	PL	FR	-	-	-	
				27	A	5	85		Ø			7.5YR	5	3	2	PL	FR	-	-	-	
				40	C	5	79		Ø			7.5YR	4	4	2	SBK	FR	-	-	-	
				82	C	6	66		Ø			7.5YR	4	4	2	SBK	FR	-	-	-	
				120	C	4	52		2			10YR	4	4	2	PR	FI	-	Y	-	
				150+	-	13	53		10			10YR	5	4	1	SBK	NFI	Y	Y	SL	

Score:

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## 2. Soil Profile Characteristics

Hydraulic Conductivity (10)	Loading Rate at 75 cm (5)	Effective Soil Depth (5)	Water Retention Difference (5)	Soil Wetness Class (5)	
Surface (5) <input type="checkbox"/> High <input type="checkbox"/> Mod. <input type="checkbox"/> Low	Limiting Layer (5) <input type="checkbox"/> High <input type="checkbox"/> Mod. <input type="checkbox"/> Low	_____ gpd/ft <sup>2</sup> (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 149 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)

Score: \_\_\_\_\_

## 3. Site Characteristics

Parent Material (GIVEN)	Landform (GIVEN)	Slope (GIVEN)	Slope Profile (5)	Surface Runoff (5)	Eros. Pot. (5)
loess colluvium	upland side slope	11%	<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

Score: \_\_\_\_\_

## 4. Soil Classification

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

Score: \_\_\_\_\_

## 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	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Score: \_\_\_\_\_