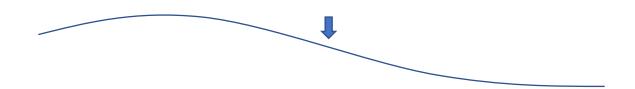
SITE INFORMATION

This site is located in Boone County, Iowa, west of Ames. This upland location is on a 1.5% slope in a fairly flat landscape. While it has a cover crops in the images below, this is generally in corn or soybeans, with occasional rotations of a small grain such as oats. No ponding or flooding.

LANDFORM

The Des Moines Lobe of the Wisconsin age glacial deposit present has low rock fragments compared to an average glacial deposit, and is fairly young, so less development is expected at both the profile and landscape level. Glacial materials left a variety of mixed materials, including sandier pockets of material, which occur in the lower horizon of this profile.

HILLSLOPE POSITION



SOIL MOISTURE AND TEMPERATURE REGIMES

This region is a mesic temperature regime and udic moisture regime

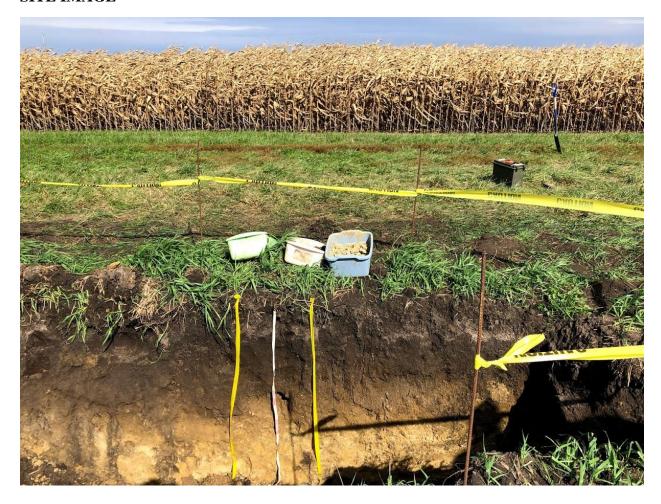
SOIL PIT INFORMATION

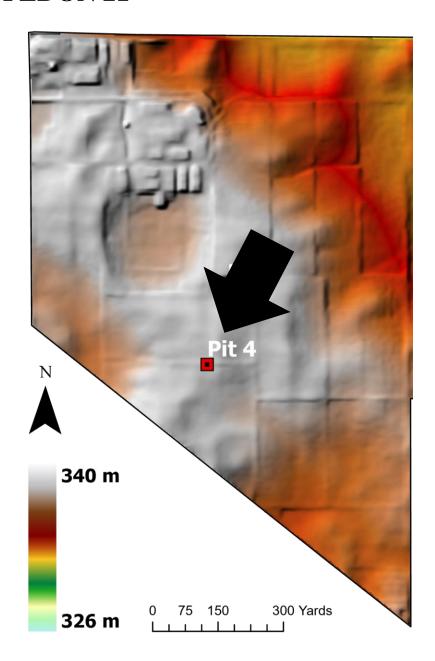
There are no clay films present in this profile. The 3rd and 5th horizons are transitional horizons.

CHARACTERIZATION DATA

Horizon	Organic C (%)	Base Sat. (%)			
1	3.1	65			
2	2.6	64			
3	1.7	61			
4	0.7	60			
5	0.5	60			
6	.3	60			

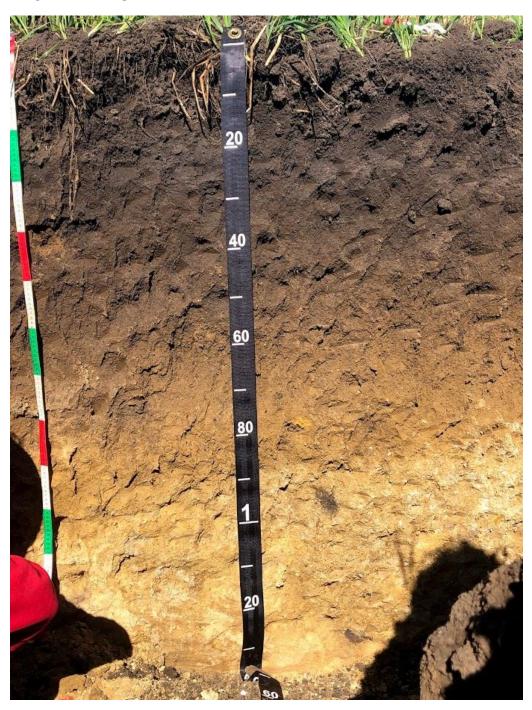
SITE IMAGE







PROFILE IMAGE



SCORECARD

							Pre. (5)	Ho: Master	1. So	SO SO AP
							Let. (5)	Horizonation	il Mor	SCORECA VIRTUAL SOIL JUD CONTEST APRIL 5-1
							Sub. (5)	nation	1. Soil Morphology	SCORECARD VIRTUAL NATIONAL SOIL JUDGING CONTEST APRIL 5-16, 2021
							(5)			NATI ING
	BOF	105	8	55	28	P	Dep. (cm)	Boundary		ION
	1.	≯	0	C	6	Γ	Dist.	dary		AL
	50	5	Sh	25	Oh	35	Sand (%)			
	34	32	te	32	4	ts	Silt (%)			
							(5)	Clay		H
	4	_	0	0	0	0	CF (%)	Texture		1. 2. 3. 3. 4. 5. 5.
							mod.	9		
							Class (5)			
	do do	50	€0	おる	户可	40	Hue			
	U	C1	£	W	4	90	Value	Color		
	4	4	ح	W	90	_	Chr.			
	0	_	90	90	2	90	Grade	Str		So C
	34	Sek	8	282	NOS	00	Shape	Structure		Contestant: School: Pedon Num
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	4	-4	1	1	ı	1	D	Soi	1	AC
	~	~	~	J	1)	Conc.	Soil Features Redox	10	
	45	2	١	1)	1	Eff.	res	Score:	E 2
							(35)	Score	1	-

Slight	Houses with Basements (3) S	5. Interpretations	Epipedon (5)	4. Soil Classification	GLACIAL TILL	Parent Material (GIVEN)	3. Site Characteristics	Surface (5) Limiting Layer (5) High High Mod. Mod. Low Low	Hydraulic Conductivity (10)
Slight	Septic Tank Abs. Fields (3)		Subsurface horizons and/or diagnostic features (5 each)		UPLAND	Landform (GIVEN)		7	Loading Rate at 75 cm (5)
Slight Moderate Severe Reason (2):	Local Roads and Streets (3)		d/or Order (10)		1.5.7	Slope (GIVEN)		V. shallow (<25 cm)Shallow (25 to 49 cm)Mod. deep (50 to 99 cm)Deep (100 to 149 cm)	Effective Soil Depth (5)
Slight Moderate Severe Severe	Corn (3)		Subo		Summit Shoulder Backslope Footslope Toeslope None	Slope Profile (5)			Water Retention Difference (5)
Slight Moderate Severe Reason (2):	Hopyards (3)		Suborder (10)		PondedVery slowSlowMediumRapidVery rapid	Surface Runoff (5)		Very low (< 7.5 cm) Low (7.5 to < 15 cm) Mod. (15 to < 22.5 cm) High (≥ 22.5 cm)	n Difference (5)
Slight Moderate Severe Reason (2):	Created Wetlands (3)	Score:	Great Group (10)	Score:	Very Low Low Medium High Very High	Eros. Pot. (5)	Score:	(> 150 cm) (100 to 150 cm) (50 to 99 cm) (25 to 49 cm) (< 25 cm)	Soil Wetness Class (5)