

Site name: 40Hegland-1 w-65864

Location: T-86 N R-24 W section 13 NW1/4NW1/4NW1/4

Landscape position: till plain

Parent Material: diamicton

Soil Series: Clarion

Vegetation: corn

Slope: 3%

Elevation: 1011 ft.

Quadrangle: Ellsworth

Date Drilled: 12/21/1999

Described by: Solum: Robin Wisner (NRCS). Parent Material: D.J. Quade (Munsell colors)

Landowner: Merlyn Hegland

Remarks: 2.7 inch diameter core.

Depth (ft)	Soil Horizon	Description
DeForest Formation-- Flack Mbr.		
0-0.6	Ap	very dark brown 10YR 2/ 2 loam; weak fine granular to weak fine subangular blocky structure; friable; noneffervescent; abrupt smooth boundary
0.6-1.3	A	very dark brown 10YR 2/ 2 to very dark grayish brown 10YR 3/ 2 loam; weak fine granular weak medium subangular blocky structure; friable; noneffervescent; gradual smooth boundary
1.3-2.5	Bw	dark yellowish brown 10YR 4/ 4 sandy loam; weak medium subangular blocky friable; noneffervescent; abrupt wavy boundary
Dows Formation-- Morgan Mbr.		
2.5-3.8	MOU	yellowish brown 10YR 5/ 6 loam to sandy loam; massive; friable; common medium distinct strong brown 7.5YR 5/ 6 mottles; strongly effervescent; gradual smooth boundary ;some thin sand strata
3.8-6.0	MOU	yellowish brown 10YR 5/ 6 sandy loam diamicton; massive; friable; common fine distinct strong brown 7.5YR 5/ 6 mottles; strongly effervescent
6.0-9.0	MOJU	grayish brown 10YR 5/ 2 brown 10YR 5/ 3 loam diamicton; massive; friable; common coarse distinct light grayish brown 2.5Y 6/ 2 mottles; dark yellowish brown 10YR 4/ 6 coatings along joint faces; strongly effervescent
Dows Formation-- Alden Mbr.		
9.0-12.0		pushing rock no recovery

Depth (ft)	Soil Horizon	Description
12.0-13.0	UUJ	dark gray 5Y 4/ 1 loam diamicton; massive; firm; reddish brown 5YR/4/4 coatings along joint faces; strongly effervescent
13.0-18.0	UU	dark gray 5Y 4/ 1 loam diamicton; massive; firm; strongly effervescent