

Site Name: 40 Doolittle-1 w-65861

Location: T88N R23W sec. 29 SE1/4SE1/4NE1/4 (gps location)

Landscape position: low-relief till plain

Parent material: diamicton

Vegetation: corn

Slope: 2%

Elevation: approximately 1181 ft. (topo map)

Quad: Williams

Date drilled/described: 12/12/99 / /2000

Field Crew: Aquadrill-drillers; GSB-D.Quade; NRCS-R.Wisner,

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

Landowner: Dennis Doolittle. Address: 2665 Wilson Ave. Williams, IA 50271.

Remarks: 1.6 inch diameter core, mapped as Nicollet loam. Compressed profile.

Depth (ft)	Soil Horizon (weathering zone)	Description
Dows Formation--Morgan Mbr. (Dms-Dmm)		
0-0.6	Ap	black (10YR2/1) loam; weak fine granular; friable; noneffervescent
0.6-1.3	A	black (10YR2/1) silty clay loam; weak fine granular tp weak fine subangular blocky; friable; noneffervescent
1.3-2.7	Bg	dark grayish brown (2.5Y4/2) loam to sandy loam; weak medium subangular blocky; friable; effervescent
2.7-3.2	RU	olive brown (2.5Y4/3) gravelly sandy loam; single grain; loose; strongly effervescent
3.2-6.0	RU	grayish brown (2.5Y5/2) sandy loam, loam and silt loam; stratified; strongly effervescent
6.0-7.4	MRJU	grayish brown (2.5Y5/2) sandy loam, loam and silt loam; stratified; friable; common medium gray (5Y5/1) mottles; vertical joints with strong brown (7.5YR5/6) Fe segregations on joint faces; strongly effervescent
7.4-8.3	MRJU	dark gray (2.5Y4/1) loam with silt partings; stratified; friable; few coarse gray (5Y5/1) mottles; vertical joints with yellowish brown (10YR5/6) Fe segregations on joint faces; strongly effervescent
8.3-9.0	JRU	dark gray (5Y4/1) loam to gray (2.5Y6/1-5/1) silt loam; stratified; friable; few coarse gray (5Y5/1) mottles; vertical joints with yellowish brown (10YR5/6) Fe segregations on joint faces; strongly effervescent
9.0-11.0	UU	dark gray (5Y4/1) loam diamicton; massive; slightly firm; few strong brown halos of Fe segregations around root tubules; strongly effervescent
11-0-11.1	UU	gray (5Y5/1) fine to medium sand; loose; strongly effervescent

11.1-13.2 UU gray (5Y5/1) silt and dark gray (5Y4/1) very fine sand w/ rare fine pebbles; laminated; slightly firm; strongly effervescent

13.2-13.35 UU gray to dark gray (5Y5/1-4/1) gravelly sandy loam (lag); friable; strongly effervescent

Dows Formation-Alden Mbr. (Dmm)

13.35-14 UU dark gray (5Y4/1) loam diamicton; slightly firm; massive; strongly effervescent

14-15 UU dark gray (5Y4/1) loam diamicton; firm; massive; strongly effervescent