

W-Number: 32561

Mapping Unit

County ClayI.D.# 21-GG-1File # 0574-0180Location T. 95 N., R. 35 W., sec. 20, SW 1/4 of SW 1/4 of SW 1/4Other Site located on vegetated road cut. A two foot wide trench was excavated and sampled from the interval from 6.0 - 20.3 feet from the top of the cut. Elevation 1380 ft. above MSL ETMDescription by TJK - BH - SSAnalytical Data by

Reference:

0574-0180Notes: Topo. Map: Gillett Grove, Town 7 1/2 Minute Topographic E14

Description

Wisconsinan Stage
Dows Formation
Morgan Member

0-6 ft. Overgrown; not sampled. Appears to be 2-3 ft. of windblown sand over interbedded diamictons and stratified sands and silts.

6-8 ft. Diamicton; ^{sandy loam matrix;} OU, yellowish brown (10YR 5/4); Dmm.

8-8.2 ft. ^{massive} medium sands; OU, yellowish brown (10YR 5/6); Sm.

8.2-9.5 ft. Diamicton; ^{silt loam matrix;} OU, yellowish brown (10YR 5/4); Dmm.

9.5-10.0 ft. Coarse silt; thinly bedded; OU, yellowish brown (10YR 5/4); Fl.

10.0-15.0 ft. Diamictons; ^{loam to sandy loam matrix;} appear to be somewhat stratified, but contacts poorly defined; OU, yellowish brown (10YR 5/4); Dmm-Dms.

15.0-15.5 ft. Coarse to medium sand; OU, yellowish brown (10YR 5/4); Sm.

15.5-16.7 ft. Diamicton; ^{sandy loam matrix;} very pebbly - many large pebbles; OU, yellowish brown (10YR 5/4); Dmm.

Sampled at 7.0 ft.

Sampled incorrectly; no MN data.

Sampled at 9.0 ft.

sampled at 9.75 ft.

sampled at 11.0, 13.0, and 14.5 ft.

Sampled at 15.3 ft.

sampled at 16.0 ft.

- | | |
|--|-------------------------------|
| 16.7 - 16.9 ft. Fine sand; laminated; OU, yellowish brown (10YR 5/6); Sh. | Sampled at 16.8 ft. |
| 16.9 - 17.5 ft. Diamicton; some interbedded sand and silt ^{sandy loam matrix;} laminar; ^{OU,} yellowish brown (10YR 5/4); Dms. | Diamicton sampled at 17.2 ft. |
| 17.5 - 17.6 ft. Medium sands; massive; OU, yellowish brown (10YR 5/6); Sm. | Sampled at 17.5 ft. |
| 17.6 ft - 18.6 ft. Diamicton; numerous interbedded ^{sandy loam matrix;} laminae of sands and silt; ^{RU,} matrix is light olive brown (2.5Y 5/4), joints are yellowish brown (10YR 5/8); Dms. | Sampled at 18.1 ft. |
| 18.6 - 18.9 ft. Coarse to medium sands; very thinly bedded; OU, brownish yellow (10YR 6/6); Sh. | Sampled at 18.8 ft. |
| 18.9 - 19.2 ft. Diamicton; very pebbly - many coarse pebbles; ^{sandy loam matrix;} RU, matrix is light olive brown (2.5Y 5/4), joints at yellowish brown (10YR 5/8); Dmm. | Sampled at 19.0 ft. |
| 19.2 - 19.7 ft. Diamicton; RU, ^{sandy loam; not as coarse as above;} light olive brown (2.5Y 5/4); Dmm. | Sampled at 19.5 ft. |
| 19.7 - 19.8 ft. Fine sand; RU, light olive brown (2.5Y 5/4); Sm. | Sampled at 19.7 ft. |
| 19.8 - 20.3 ft. Diamicton; ^{sandy loam matrix;} RU, light olive brown (2.5Y 5/4); Dmm. | Sampled at 20.0 ft. |

Note: The contacts between units exposed in the trench appeared to be undeformed and sub-horizontal.