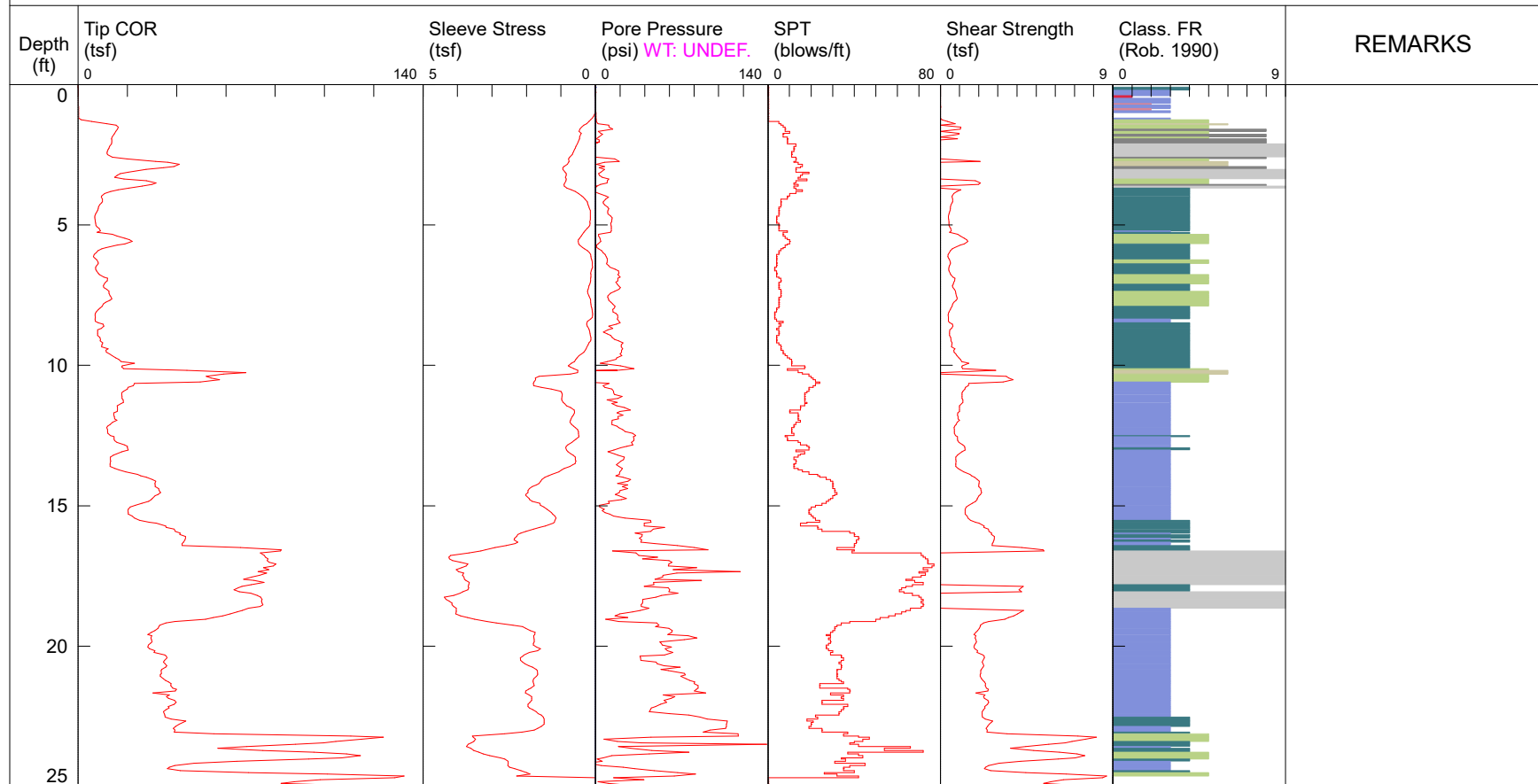


SOUNDING

COMPANY: IDOT D9
PROJECT: 028-7049
SECTION:: 6
COUNTY:: Franklin

SITE: IL 14 over creek
LOCATION: 1.0 mi E of IL 37
GPS (LAT,LON,ALT): 38.01,-88.90,426.6
STATION:: 21+83
OFFSET:: 5' Rt

TEST ID: CPT 1
TEST DATE: Tue 09/Sep/2025
OPERATOR: L. Estel
TOTAL DEPTH: 24.959 ft



- 1 Sensitive, fine grained
- 2 Organic soils - peats
- 3 Clays - clay to silty clay

- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand

- 7 Gravely sand to sand
- 8 Very stiff sand to clayey sand **
- 9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

CPT DATA
IDOT D9
FILENAME: 028-7049 EBL.DAT
TEST ID: CPT 1
OPERATOR | CREW: L. Estel |
PROJECT: 028-7049
SITE: IL 14 over creek
LOCATION: 1.0 mi E of IL 37
COMMENTS:
DATE: Tue 09/Sep/2025
START TIME: 09:25:40
GPS (Lat, Lon, Elev, NSat, Qual): 38.01, -88.90, 426.6
CLIENT:
CLIENT REPRESENTATIVE:
WEATHER: CLEAR
SOFTWARE VERSION: Version 2.7.7
DAS SYSTEM: 2020.136XX
PROBE SERIAL NUMBER: 4644.179.X
TIP CONFIGURATION: Conventional

Depth Type ft	Tip COR (tsf)	Sleeve Stress (tsf)	Pore Pressure (psi)		SPT (tsf)	Shear Strength Zone	Soil Behavior Robertson 1990
0.000	0.00	0.0004	0.000	0	0.00	0	<out of range>
0.131	0.11	0.0017	-0.077	0	0.01	4	Silt mixtures - clayey silt to silty clay
0.262	0.12	0.0017	-0.014	0	0.01	3	Clays - clay to silty clay
0.393	0.12	0.0014	0.000	0	0.01	3	Clays - clay to silty clay
0.523	0.12	0.0011	0.077	0	0.01	3	Clays - clay to silty clay
0.654	0.12	0.0032	0.155	0	0.01	3	Clays - clay to silty clay
0.785	0.21	0.0030	0.217	0	0.01	3	Clays - clay to silty clay
0.916	0.12	0.0044	0.232	0	0.00	2	Organic soils - peats
1.047	0.12	0.0255	0.309	0	0.00	0	<out of range>
1.178	0.12	0.0872	0.386	0	0.00	0	<out of range>
1.308	5.11	0.1877	0.681	5	0.34	4	Silt mixtures - clayey silt to silty clay
1.439	15.04	0.3164	9.887	7	0.00	6	Sands - clean sand to silty sand
1.570	15.98	0.4381	13.447	8	1.05	5	Sand mixtures - silty sand to sandy silt
1.701	15.07	0.4761	3.313	10	0.00	8	Very stiff sand to clayey sand
1.832	14.08	0.4575	3.781	9	0.93	5	Sand mixtures - silty sand to sandy silt
1.963	13.62	0.4718	2.477	9	0.90	5	Sand mixtures - silty sand to sandy silt
2.093	13.61	0.5197	-1.538	9	0.00	8	Very stiff sand to clayey sand **
2.224	12.66	0.5751	-4.891	12	0.00	9	Very stiff, fine grained **
2.355	11.92	0.6249	-7.467	11	0.00	9	Very stiff, fine grained **
2.486	11.87	0.6858	-4.702	11	0.00	9	Very stiff, fine grained **
2.617	17.25	0.7546	9.088	17	0.00	9	Very stiff, fine grained **
2.748	32.77	0.7813	16.378	13	0.00	6	Sands - clean sand to silty sand
2.878	39.91	0.8617	4.281	15	0.00	6	Sands - clean sand to silty sand
3.009	29.36	0.9384	6.230	14	0.00	8	Very stiff sand to clayey sand
3.140	18.88	0.8774	3.538	18	0.00	9	Very stiff, fine grained **

3.271	15.24	0.8531	4.385	15	0.00	9	Very stiff, fine grained **
3.402	23.97	0.8594	10.039	11	0.00	8	Very stiff sand to clayey sand
**							
3.533	30.68	0.8921	6.206	15	2.03	5	Sand mixtures - silty sand to
sandy silt							
3.663	22.51	0.8413	-1.353	14	0.00	8	Very stiff sand to clayey sand
**							
3.794	14.08	0.6243	-0.826	13	0.92	4	Silt mixtures - clayey silt to silty
clay							
3.925	10.12	0.4475	5.736	10	0.65	4	Silt mixtures - clayey silt to silty
clay							
4.056	9.76	0.3228	8.880	6	0.63	4	Silt mixtures - clayey silt to silty
clay							
4.187	9.68	0.2400	6.294	6	0.62	4	Silt mixtures - clayey silt to silty
clay							
4.318	8.51	0.2046	8.438	5	0.54	4	Silt mixtures - clayey silt to silty
clay							
4.448	8.04	0.1721	10.454	5	0.51	4	Silt mixtures - clayey silt to silty
clay							
4.579	7.24	0.1473	10.001	5	0.46	4	Silt mixtures - clayey silt to silty
clay							
4.710	6.77	0.1456	12.815	4	0.42	4	Silt mixtures - clayey silt to silty
clay							
4.841	6.95	0.1507	13.185	4	0.43	4	Silt mixtures - clayey silt to silty
clay							
4.972	7.18	0.1720	12.439	5	0.45	4	Silt mixtures - clayey silt to silty
clay							
5.103	8.15	0.2260	12.833	5	0.51	4	Silt mixtures - clayey silt to silty
clay							
5.233	8.32	0.3240	12.466	8	0.52	4	Silt mixtures - clayey silt to silty
clay							
5.364	14.94	0.3996	2.538	7	0.97	5	Sand mixtures - silty sand to
sandy silt							
5.495	19.72	0.4673	3.751	9	1.29	5	Sand mixtures - silty sand to
sandy silt							
5.626	20.46	0.4913	3.093	10	1.34	5	Sand mixtures - silty sand to
sandy silt							
5.757	13.85	0.4188	0.984	9	0.90	4	Silt mixtures - clayey silt to silty
clay							
5.888	8.75	0.2795	3.848	8	0.56	4	Silt mixtures - clayey silt to silty
clay							
6.018	6.84	0.1694	6.999	4	0.43	4	Silt mixtures - clayey silt to silty
clay							
6.149	6.45	0.1311	8.920	4	0.40	4	Silt mixtures - clayey silt to silty
clay							
6.280	7.79	0.1082	9.518	4	0.49	4	Silt mixtures - clayey silt to silty
clay							
6.411	7.81	0.0929	9.820	4	0.49	5	Sand mixtures - silty sand to sandy
silt							
6.542	7.08	0.0950	13.749	3	0.43	4	Silt mixtures - clayey silt to silty
clay							
6.673	7.78	0.1271	18.817	4	0.48	4	Silt mixtures - clayey silt to silty
clay							
6.803	9.40	0.1373	18.998	5	0.58	5	Sand mixtures - silty sand to
sandy silt							
6.934	11.86	0.1439	18.143	6	0.75	5	Sand mixtures - silty sand to
sandy silt							

7.065 sandy silt	10.92	0.1580	16.981	5	0.68	5 Sand mixtures - silty sand to
7.196 clay	10.27	0.1935	19.482	5	0.64	4 Silt mixtures - clayey silt to silty
7.327 clay	12.05	0.2224	17.135	6	0.76	4 Silt mixtures - clayey silt to silty
7.458 sandy silt	12.65	0.2162	11.456	6	0.80	5 Sand mixtures - silty sand to
7.588 sandy silt	13.49	0.1707	9.978	5	0.86	5 Sand mixtures - silty sand to
7.719 sandy silt	11.96	0.1409	11.658	6	0.76	5 Sand mixtures - silty sand to
7.850 sandy silt	10.00	0.1311	14.843	5	0.62	5 Sand mixtures - silty sand to
7.981 clay	8.64	0.1059	14.653	4	0.53	4 Silt mixtures - clayey silt to silty
8.112 clay	7.20	0.0916	14.699	3	0.43	4 Silt mixtures - clayey silt to silty
8.243 clay	6.89	0.0975	17.926	3	0.41	4 Silt mixtures - clayey silt to silty
8.373 clay	6.93	0.1672	18.264	4	0.41	4 Silt mixtures - clayey silt to silty
8.504 clay	8.99	0.2457	18.674	6	0.55	4 Silt mixtures - clayey silt to silty
8.635 clay	9.97	0.2253	12.094	5	0.62	4 Silt mixtures - clayey silt to silty
8.766 clay	7.89	0.1786	8.520	5	0.48	4 Silt mixtures - clayey silt to silty
8.897 clay	7.91	0.1562	10.305	5	0.48	4 Silt mixtures - clayey silt to silty
9.028 clay	8.88	0.1349	14.292	4	0.54	4 Silt mixtures - clayey silt to silty
9.158 clay	9.44	0.1617	20.440	5	0.57	4 Silt mixtures - clayey silt to silty
9.289 clay	9.55	0.2278	20.858	6	0.58	4 Silt mixtures - clayey silt to silty
9.420 clay	11.92	0.2820	21.687	6	0.74	4 Silt mixtures - clayey silt to silty
9.551 clay	11.89	0.3704	20.818	8	0.74	4 Silt mixtures - clayey silt to silty
9.682 clay	14.32	0.4966	20.025	9	0.90	4 Silt mixtures - clayey silt to silty
9.813 clay	16.79	0.5921	14.319	11	1.07	4 Silt mixtures - clayey silt to silty
9.943 clay	21.81	0.6935	7.427	10	1.41	4 Silt mixtures - clayey silt to silty
10.074 clay	17.86	0.6990	26.451	11	1.13	4 Silt mixtures - clayey silt to silty
10.205 sand	51.78	0.5450	11.211	17	0.00	6 Sands - clean sand to silty
10.336 sandy silt	56.54	0.8888	-8.013	18	3.74	5 Sand mixtures - silty sand to
10.467 sandy silt	54.99	1.7530	-7.129	21	3.63	5 Sand mixtures - silty sand to
10.598 clay	48.60	1.7726	-4.788	23	3.20	4 Silt mixtures - clayey silt to silty
10.728	22.22	1.6918	6.158	21	1.43	3 Clays - clay to silty clay

10.859	19.54	1.2626	13.668	19	1.25	3	Clays - clay to silty clay
10.990	17.73	0.9821	14.851	17	1.13	3	Clays - clay to silty clay
11.121	17.82	0.9754	20.747	17	1.13	3	Clays - clay to silty clay
11.252	18.27	0.9629	11.701	17	1.16	3	Clays - clay to silty clay
11.383	17.04	0.8821	14.421	16	1.08	3	Clays - clay to silty clay
11.513	15.93	0.7569	24.083	15	0.99	3	Clays - clay to silty clay
11.644	15.67	0.6163	19.561	10	0.98	3	Clays - clay to silty clay
11.775	14.45	0.6428	21.800	14	0.90	3	Clays - clay to silty clay
11.906	14.85	0.7167	18.633	14	0.93	3	Clays - clay to silty clay
12.037	13.76	0.7230	13.359	13	0.86	3	Clays - clay to silty clay
12.168	11.97	0.6310	17.509	11	0.73	3	Clays - clay to silty clay
12.298	11.96	0.5227	22.385	11	0.73	3	Clays - clay to silty clay
12.429	12.21	0.4854	30.435	12	0.74	3	Clays - clay to silty clay
12.560	14.55	0.5110	30.788	9	0.89	3	Clays - clay to silty clay
12.691	14.94	0.6412	30.785	14	0.92	3	Clays - clay to silty clay
12.822	18.44	0.7828	30.123	18	1.15	3	Clays - clay to silty clay
12.953	20.11	0.8528	19.107	19	1.27	3	Clays - clay to silty clay
13.083	17.53	0.7820	10.724	17	1.11	3	Clays - clay to silty clay
13.214	14.04	0.6469	19.399	13	0.87	3	Clays - clay to silty clay
13.345	13.14	0.5697	22.863	13	0.80	3	Clays - clay to silty clay
13.476	13.03	0.5967	18.775	12	0.80	3	Clays - clay to silty clay
13.607	13.32	0.7735	19.606	13	0.82	3	Clays - clay to silty clay
13.738	17.09	1.0036	20.818	16	1.07	3	Clays - clay to silty clay
13.868	23.28	1.2096	19.326	22	1.48	3	Clays - clay to silty clay
13.999	28.14	1.4677	23.320	27	1.80	3	Clays - clay to silty clay
14.130	31.48	1.5943	25.283	30	2.02	3	Clays - clay to silty clay
14.261	31.29	1.7126	26.017	30	2.01	3	Clays - clay to silty clay
14.392	32.71	1.9168	25.798	31	2.10	3	Clays - clay to silty clay
14.523	33.43	1.9779	19.413	32	2.15	3	Clays - clay to silty clay
14.653	31.13	2.0019	19.791	30	2.00	3	Clays - clay to silty clay
14.784	29.53	1.8305	19.409	28	1.89	3	Clays - clay to silty clay
14.915	25.65	1.5812	10.584	25	1.64	3	Clays - clay to silty clay
15.046	21.21	1.4995	3.478	20	1.35	3	Clays - clay to silty clay
15.177	20.18	1.3492	5.388	19	1.28	3	Clays - clay to silty clay
15.308	20.65	1.2278	11.967	20	1.31	3	Clays - clay to silty clay
15.438	22.87	1.1462	24.692	22	1.44	3	Clays - clay to silty clay
15.569	28.03	1.2016	44.881	18	1.77	4	Silt mixtures - clayey silt to silty clay
15.700	35.00	1.4038	39.394	22	2.24	4	Silt mixtures - clayey silt to silty clay
15.831	39.01	1.7881	46.908	25	2.49	4	Silt mixtures - clayey silt to silty clay
15.962	41.16	2.1315	33.629	39	2.65	4	Silt mixtures - clayey silt to silty clay
16.093	43.52	2.3242	37.645	42	2.80	4	Silt mixtures - clayey silt to silty clay
16.223	43.26	2.3583	37.308	41	2.79	3	Clays - clay to silty clay
16.354	42.19	2.3811	50.950	40	2.70	3	Clays - clay to silty clay
16.485	66.33	2.8917	80.525	32	4.28	4	Silt mixtures - clayey silt to silty clay
16.616	81.51	3.3875	15.101	39	5.36	4	Silt mixtures - clayey silt to silty clay
16.747	75.24	3.9719	34.691	72	0.00	9	Very stiff, fine grained **
16.878	76.86	4.2176	40.518	74	0.00	9	Very stiff, fine grained **
17.008	77.45	4.0021	61.788	74	0.00	9	Very stiff, fine grained **
17.139	79.24	3.7408	59.140	76	0.00	9	Very stiff, fine grained **
17.270	77.27	3.9061	64.297	74	0.00	9	Very stiff, fine grained **

17.401	76.28	3.8154	65.042	73	0.00	9	Very stiff, fine grained **
17.532	70.62	3.8445	54.489	68	0.00	9	Very stiff, fine grained **
17.663	71.73	3.7650	82.974	69	0.00	9	Very stiff, fine grained **
17.793	71.19	3.6460	47.326	68	0.00	9	Very stiff, fine grained **
17.924	64.90	3.7142	59.126	62	4.20	4	Silt mixtures - clayey silt to silty clay
18.055	65.36	3.7986	59.514	63	4.23	4	Silt mixtures - clayey silt to silty clay
18.186	72.35	4.0176	55.324	69	0.00	9	Very stiff, fine grained **
18.317	74.60	4.3502	40.278	71	0.00	9	Very stiff, fine grained **
18.448	74.67	4.2035	38.169	72	0.00	9	Very stiff, fine grained **
18.578	74.03	4.1391	37.202	71	0.00	9	Very stiff, fine grained **
18.709	67.17	4.0377	37.997	64	4.37	4	Silt mixtures - clayey silt to silty clay
18.840	62.10	3.9878	21.088	59	4.05	3	Clays - clay to silty clay
18.971	55.24	3.7300	25.133	53	3.59	3	Clays - clay to silty clay
19.102	42.09	3.2304	16.488	40	2.72	3	Clays - clay to silty clay
19.233	33.66	2.5616	51.142	32	2.12	3	Clays - clay to silty clay
19.363	32.37	2.0112	59.220	31	2.03	3	Clays - clay to silty clay
19.494	30.01	1.8311	62.019	29	1.87	3	Clays - clay to silty clay
19.625	29.81	1.7885	73.839	29	1.84	3	Clays - clay to silty clay
19.756	29.78	1.7938	73.809	29	1.84	3	Clays - clay to silty clay
19.887	29.44	1.7860	53.084	28	1.84	3	Clays - clay to silty clay
20.018	28.32	1.7340	60.231	27	1.75	3	Clays - clay to silty clay
20.148	31.01	1.6756	58.363	30	1.93	3	Clays - clay to silty clay
20.279	33.70	2.0315	58.260	32	2.11	3	Clays - clay to silty clay
20.410	36.12	2.1446	36.421	35	2.29	3	Clays - clay to silty clay
20.541	34.73	2.1342	45.107	33	2.19	3	Clays - clay to silty clay
20.672	35.72	1.9753	53.742	34	2.25	3	Clays - clay to silty clay
20.803	34.36	1.7577	57.321	33	2.16	3	Clays - clay to silty clay
20.933	33.78	1.6837	68.239	32	2.11	3	Clays - clay to silty clay
21.064	33.33	1.7086	69.497	32	2.07	3	Clays - clay to silty clay
21.195	35.15	1.7975	75.440	34	2.19	3	Clays - clay to silty clay
21.326	37.61	1.7990	80.052	24	2.35	3	Clays - clay to silty clay
21.457	38.11	1.8208	83.142	24	2.38	3	Clays - clay to silty clay
21.588	39.53	1.9772	80.487	38	2.48	3	Clays - clay to silty clay
21.718	35.79	1.9639	61.089	34	2.24	3	Clays - clay to silty clay
21.849	36.49	1.8513	61.774	35	2.29	3	Clays - clay to silty clay
21.980	39.60	1.8791	57.226	25	2.50	3	Clays - clay to silty clay
22.111	37.58	1.9484	50.473	36	2.37	3	Clays - clay to silty clay
22.242	35.99	1.8608	44.751	34	2.27	3	Clays - clay to silty clay
22.373	34.79	1.6726	54.243	33	2.18	3	Clays - clay to silty clay
22.503	35.26	1.5254	82.606	23	2.19	3	Clays - clay to silty clay
22.634	41.17	1.4889	99.982	20	2.56	4	Silt mixtures - clayey silt to silty clay
22.765	41.25	1.5132	106.248	20	2.56	4	Silt mixtures - clayey silt to silty clay
22.896	39.04	1.6475	105.901	25	2.41	4	Silt mixtures - clayey silt to silty clay
23.027	39.08	2.0533	89.384	37	2.43	3	Clays - clay to silty clay
23.158	83.51	2.9400	115.895	32	5.37	4	Silt mixtures - clayey silt to silty clay
23.288	117.99	3.5198	19.199	45	7.76	5	Sand mixtures - silty sand to sandy silt
23.419	101.66	3.5773	28.933	39	6.66	4	Silt mixtures - clayey silt to silty clay
23.550	73.74	3.6842	50.921	71	4.78	4	Silt mixtures - clayey silt to silty clay

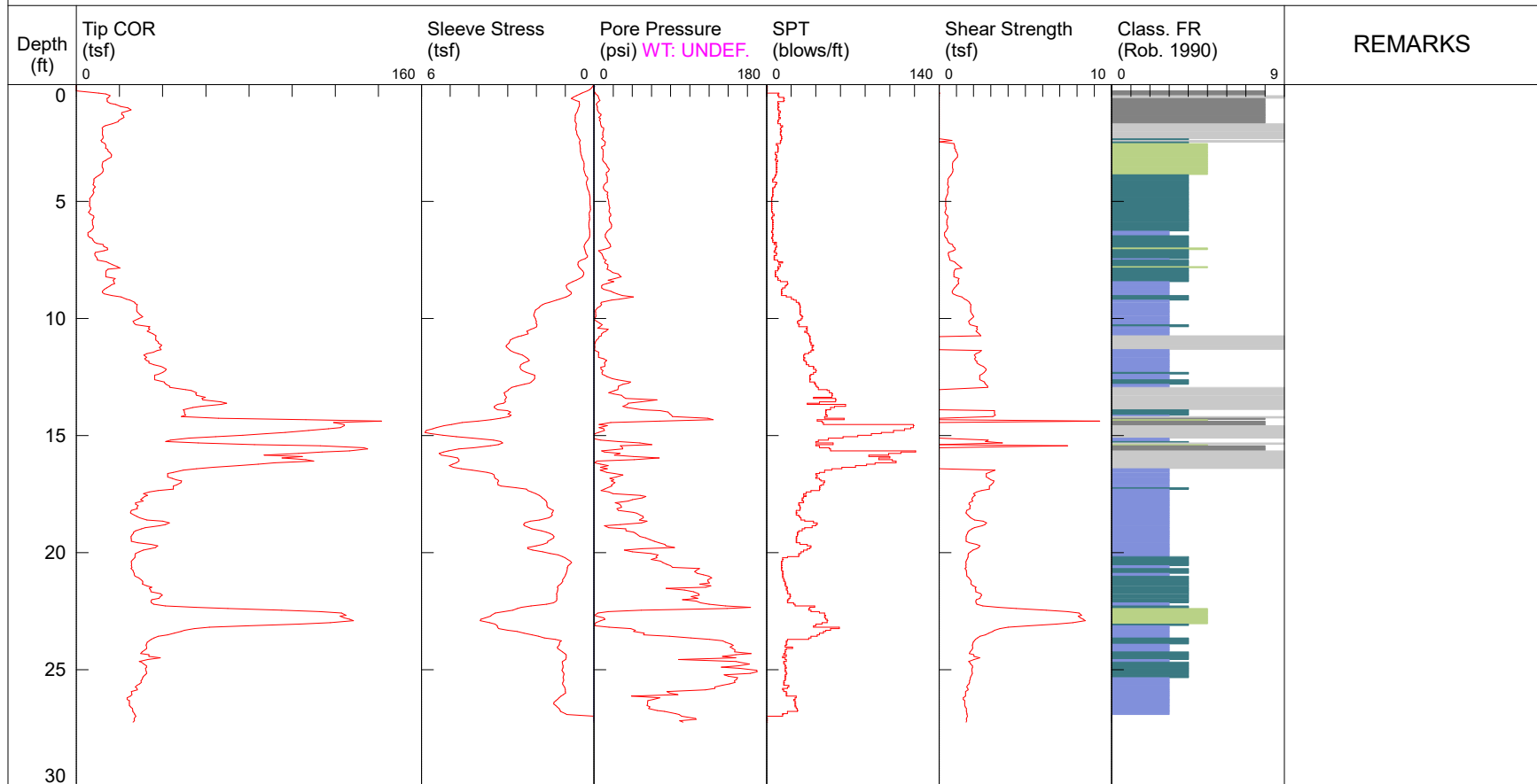
clay							
23.681	68.46	3.5154	39.523	66	4.44	4	Silt mixtures - clayey silt to silty
clay							
23.812	104.71	3.2729	54.073	40	6.84	5	Sand mixtures - silty sand to
sandy silt							
23.943	109.93	2.9013	9.061	42	7.23	5	Sand mixtures - silty sand to
sandy silt							
24.073	71.80	2.5749	4.406	34	4.69	4	Silt mixtures - clayey silt to silty
clay							
24.204	43.13	2.5289	-0.044	41	2.78	3	Clays - clay to silty clay
24.335	36.55	2.4142	27.533	35	2.32	3	Clays - clay to silty clay
24.466	56.17	2.0995	57.636	27	3.60	4	Silt mixtures - clayey silt to silty
clay							
24.597	122.03	0.0000	69.673	0	7.97	0	<out of range>
24.728	107.73	0.0000	31.609	0	7.06	0	<out of range>
24.858	84.61	0.0000	6.916	0	5.54	0	<out of range>

SOUNDING

COMPANY: IDOT D9
PROJECT: 028-7049
SECTION:: 6
COUNTY:: Franklin

SITE: IL 14 over creek
LOCATION: 1.0 mi E of IL 37
GPS (LAT,LON,ALT): 38.01,-88.90,426.6
STATION:: 20+89
OFFSET:: 5' Lt

TEST ID: CPT 2
TEST DATE: Tue 09/Sep/2025
OPERATOR: L. Estel
TOTAL DEPTH: 27.246 ft



- | | | |
|------------------------------|---|-------------------------------------|
| 1 Sensitive, fine grained | 4 Silt mixtures - clayey silt to silty clay | 7 Gravelly sand to sand |
| 2 Organic soils - peats | 5 Sand mixtures - silty sand to sandy silt | 8 Very stiff sand to clayey sand ** |
| 3 Clays - clay to silty clay | 6 Sands - clean sand to silty sand | 9 Very stiff, fine grained ** |
- *SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

CPT DATA
IDOT D9
FILENAME: 028-7049 WBL.DAT
TEST ID: CPT 2
OPERATOR | CREW: L. Estel |
PROJECT: 028-7049
SITE: IL 14 over creek
LOCATION: 1.0 mi E of IL 37
COMMENTS:
DATE: Tue 09/Sep/2025
START TIME: 10:07:35
GPS (Lat, Lon, Elev, NSat, Qual): 38.01, -88.90, 426.6
CLIENT:
CLIENT REPRESENTATIVE:
WEATHER: CLEAR
SOFTWARE VERSION: Version 2.7.7
DAS SYSTEM: 2020.136XX
PROBE SERIAL NUMBER: 4644.179.X
TIP CONFIGURATION: Conventional

Depth Type ft	Tip COR (tsf)	Sleeve Stress (tsf)	Pore Pressure (psi)		SPT (tsf)	Shear Strength Zone	Soil Behavior Robertson 1990
0.000	0.00	0.0146	0.000	0	0.00	0	<out of range>
0.131	0.00	0.0875	0.000	0	0.00	0	<out of range>
0.262	0.00	0.2321	0.000	0	0.00	0	<out of range>
0.393	12.61	0.4630	1.629	8	0.00	8	Very stiff sand to clayey sand **
0.523	15.20	0.6851	4.452	15	0.00	8	Very stiff sand to clayey sand
**							
0.654	14.28	0.7415	5.775	14	0.00	9	Very stiff, fine grained **
0.785	15.35	0.5153	3.154	10	0.00	8	Very stiff sand to clayey sand
**							
0.916	20.13	0.5187	3.303	10	0.00	8	Very stiff sand to clayey sand
**							
1.047	24.82	0.5588	3.524	10	0.00	8	Very stiff sand to clayey sand
**							
1.178	21.65	0.5954	4.797	10	0.00	8	Very stiff sand to clayey sand
**							
1.308	21.53	0.6436	7.026	10	0.00	8	Very stiff sand to clayey sand
**							
1.439	21.33	0.6576	6.159	10	0.00	8	Very stiff sand to clayey sand
**							
1.570	19.44	0.6514	6.362	9	0.00	8	Very stiff sand to clayey sand **
1.701	15.55	0.6179	6.965	10	0.00	8	Very stiff sand to clayey sand
**							
1.832	12.17	0.6247	8.962	12	0.00	9	Very stiff, fine grained **
1.963	12.13	0.6291	9.675	12	0.00	9	Very stiff, fine grained **
2.093	11.97	0.5922	9.147	11	0.00	9	Very stiff, fine grained **
2.224	12.39	0.5541	9.468	12	0.00	9	Very stiff, fine grained **
2.355	11.72	0.5103	9.180	11	0.00	9	Very stiff, fine grained **
2.486	12.42	0.5012	11.629	12	0.81	4	Silt mixtures - clayey silt to silty
clay							
2.617	13.67	0.4838	10.089	9	0.89	5	Sand mixtures - silty sand to
sandy silt							
2.748	14.12	0.4802	8.695	9	0.92	5	Sand mixtures - silty sand to

sandy silt						
2.878	15.16	0.4725	9.361	10	0.99	5 Sand mixtures - silty sand to
sandy silt						
3.009	16.33	0.4482	9.302	8	1.07	5 Sand mixtures - silty sand to
sandy silt						
3.140	15.29	0.4160	9.018	7	1.00	5 Sand mixtures - silty sand to
sandy silt						
3.271	12.86	0.3786	9.675	8	0.84	5 Sand mixtures - silty sand to
sandy silt						
3.402	11.96	0.3486	12.336	8	0.77	5 Sand mixtures - silty sand to
sandy silt						
3.533	12.01	0.3499	14.245	8	0.77	5 Sand mixtures - silty sand to
sandy silt						
3.663	12.36	0.3445	15.397	8	0.80	5 Sand mixtures - silty sand to
sandy silt						
3.794	11.54	0.3137	12.868	7	0.74	5 Sand mixtures - silty sand to
sandy silt						
3.925	9.64	0.2677	13.500	6	0.61	4 Silt mixtures - clayey silt to silty
clay						
4.056	8.16	0.2221	13.733	5	0.52	4 Silt mixtures - clayey silt to silty
clay						
4.187	8.09	0.2620	13.210	8	0.51	4 Silt mixtures - clayey silt to silty
clay						
4.318	8.21	0.2536	10.194	8	0.52	4 Silt mixtures - clayey silt to silty
clay						
4.448	8.12	0.2232	9.993	5	0.51	4 Silt mixtures - clayey silt to silty
clay						
4.579	7.94	0.1824	13.364	5	0.50	4 Silt mixtures - clayey silt to silty
clay						
4.710	7.53	0.1522	13.693	5	0.47	4 Silt mixtures - clayey silt to silty
clay						
4.841	6.36	0.1413	14.037	4	0.39	4 Silt mixtures - clayey silt to silty
clay						
4.972	6.23	0.1395	15.079	4	0.38	4 Silt mixtures - clayey silt to silty
clay						
5.103	6.18	0.1385	15.525	4	0.38	4 Silt mixtures - clayey silt to silty
clay						
5.233	6.43	0.1310	16.268	4	0.39	4 Silt mixtures - clayey silt to silty
clay						
5.364	6.32	0.1311	15.826	4	0.39	4 Silt mixtures - clayey silt to silty
clay						
5.495	5.95	0.1621	16.583	6	0.36	4 Silt mixtures - clayey silt to silty
clay						
5.626	8.04	0.1626	17.052	5	0.50	4 Silt mixtures - clayey silt to silty
clay						
5.757	7.66	0.1553	16.002	5	0.47	4 Silt mixtures - clayey silt to silty
clay						
5.888	7.38	0.1755	16.891	5	0.45	4 Silt mixtures - clayey silt to silty
clay						
6.018	7.65	0.1818	18.094	5	0.47	4 Silt mixtures - clayey silt to silty
clay						
6.149	7.70	0.1650	17.221	5	0.47	4 Silt mixtures - clayey silt to silty
clay						
6.280	6.12	0.1493	13.604	4	0.37	4 Silt mixtures - clayey silt to silty
clay						
6.411	5.31	0.1532	11.742	5	0.32	3 Clays - clay to silty clay
6.542	6.45	0.1690	12.077	4	0.39	4 Silt mixtures - clayey silt to silty

clay							
6.673	7.97	0.2349	14.068	5	0.49	4	Silt mixtures - clayey silt to silty
clay							
6.803	10.54	0.3067	16.359	7	0.66	4	Silt mixtures - clayey silt to silty
clay							
6.934	13.11	0.3457	16.983	6	0.83	4	Silt mixtures - clayey silt to silty
clay							
7.065	14.02	0.3142	8.107	7	0.90	4	Silt mixtures - clayey silt to silty
clay							
7.196	8.68	0.2792	7.317	8	0.54	4	Silt mixtures - clayey silt to silty
clay							
7.327	8.84	0.2579	9.157	6	0.55	4	Silt mixtures - clayey silt to silty
clay							
7.458	9.73	0.3535	10.579	9	0.61	4	Silt mixtures - clayey silt to silty
clay							
7.588	14.19	0.5491	11.211	9	0.91	4	Silt mixtures - clayey silt to silty
clay							
7.719	17.37	0.5490	14.505	8	1.11	4	Silt mixtures - clayey silt to silty
clay							
7.850	18.26	0.4786	13.900	9	1.17	4	Silt mixtures - clayey silt to silty
clay							
7.981	13.71	0.3872	17.861	7	0.87	4	Silt mixtures - clayey silt to silty
clay							
8.112	13.68	0.3584	25.717	7	0.86	4	Silt mixtures - clayey silt to silty
clay							
8.243	15.13	0.4385	26.101	7	0.95	4	Silt mixtures - clayey silt to silty
clay							
8.373	17.15	0.6466	15.897	11	1.10	4	Silt mixtures - clayey silt to silty
clay							
8.504	17.54	0.8684	12.757	17	1.12	3	Clays - clay to silty clay
8.635	15.06	0.9540	7.922	14	0.96	3	Clays - clay to silty clay
8.766	12.77	0.8934	12.336	12	0.81	3	Clays - clay to silty clay
8.897	12.36	0.8081	21.218	12	0.77	3	Clays - clay to silty clay
9.028	17.13	0.9023	31.476	16	1.08	3	Clays - clay to silty clay
9.158	23.03	1.1685	27.075	22	1.47	4	Silt mixtures - clayey silt to silty
clay							
9.289	26.68	1.4877	9.115	26	1.73	4	Silt mixtures - clayey silt to silty
clay							
9.420	28.19	1.8049	7.374	27	1.84	3	Clays - clay to silty clay
9.551	28.00	1.9326	3.551	27	1.83	3	Clays - clay to silty clay
9.682	27.98	2.0490	1.534	27	1.83	3	Clays - clay to silty clay
9.813	29.27	2.0827	1.630	28	1.91	3	Clays - clay to silty clay
9.943	30.45	2.0707	1.499	29	1.99	3	Clays - clay to silty clay
10.074	27.07	2.0298	1.264	26	1.76	3	Clays - clay to silty clay
10.205	26.92	2.0075	6.329	26	1.75	3	Clays - clay to silty clay
10.336	33.04	1.9888	6.540	32	2.16	3	Clays - clay to silty clay
10.467	33.94	2.1970	14.459	32	2.21	3	Clays - clay to silty clay
10.598	34.25	2.3762	9.352	33	2.23	3	Clays - clay to silty clay
10.728	36.88	2.5208	7.528	35	2.41	3	Clays - clay to silty clay
10.859	36.83	2.8131	4.197	35	0.00	9	Very stiff, fine grained **
10.990	37.87	2.9537	1.596	36	0.00	9	Very stiff, fine grained **
11.121	39.32	3.0219	0.718	38	0.00	9	Very stiff, fine grained **
11.252	38.69	3.0179	0.663	37	0.00	9	Very stiff, fine grained **
11.383	36.96	2.8678	2.284	35	2.42	3	Clays - clay to silty clay
11.513	32.45	2.6242	4.546	31	2.11	3	Clays - clay to silty clay
11.644	32.51	2.3806	4.615	31	2.12	3	Clays - clay to silty clay

11.775	32.34	2.3013	12.711	31	2.10	3	Clays - clay to silty clay
11.906	33.91	2.4336	10.964	32	2.20	3	Clays - clay to silty clay
12.037	38.91	2.5598	11.225	37	2.54	3	Clays - clay to silty clay
12.168	41.65	2.5302	7.517	40	2.72	3	Clays - clay to silty clay
12.298	40.01	2.3538	8.265	38	2.61	3	Clays - clay to silty clay
12.429	36.22	2.0927	11.146	35	2.36	3	Clays - clay to silty clay
12.560	36.28	2.0869	18.707	35	2.35	3	Clays - clay to silty clay
12.691	40.03	2.2030	35.722	38	2.59	4	Silt mixtures - clayey silt to silty clay
12.822	41.86	2.4788	29.188	40	2.71	3	Clays - clay to silty clay
12.953	44.45	2.8623	25.162	43	2.89	3	Clays - clay to silty clay
13.083	53.35	3.0228	21.492	51	0.00	9	Very stiff, fine grained **
13.214	55.34	3.1308	19.837	53	0.00	9	Very stiff, fine grained **
13.345	58.94	3.1237	30.530	56	0.00	9	Very stiff, fine grained **
13.476	59.05	3.1048	64.691	57	0.00	9	Very stiff, fine grained **
13.607	69.48	3.1664	36.234	44	0.00	9	Very stiff, fine grained **
13.738	58.71	3.4239	30.487	56	0.00	9	Very stiff, fine grained **
13.868	50.61	3.2639	46.602	48	0.00	9	Very stiff, fine grained **
13.999	50.06	2.8477	77.269	48	3.21	4	Silt mixtures - clayey silt to silty clay
14.130	50.66	2.9948	80.650	49	3.25	4	Silt mixtures - clayey silt to silty clay
14.261	70.57	3.2719	119.417	45	0.00	9	Very stiff, fine grained **
14.392	138.42	4.0331	61.780	53	9.11	5	Sand mixtures - silty sand to sandy silt
14.523	123.94	4.9497	5.660	119	0.00	8	Very stiff sand to clayey sand **
14.653	122.49	5.4917	5.842	117	0.00	9	Very stiff, fine grained **
14.784	106.64	5.7283	10.187	102	0.00	9	Very stiff, fine grained **
14.915	88.24	5.6151	1.071	85	0.00	9	Very stiff, fine grained **
15.046	64.66	4.7478	-1.900	62	0.00	9	Very stiff, fine grained **
15.177	45.43	3.6479	5.139	44	2.97	3	Clays - clay to silty clay
15.308	55.30	3.2266	45.993	53	3.58	4	Silt mixtures - clayey silt to silty clay
15.438	113.12	3.6584	27.554	43	7.46	5	Sand mixtures - silty sand to sandy silt
15.569	134.99	4.5750	29.642	52	0.00	8	Very stiff sand to clayey sand **
15.700	114.04	5.1742	10.918	109	0.00	9	Very stiff, fine grained **
15.831	88.26	5.2623	22.613	85	0.00	9	Very stiff, fine grained **
15.962	95.65	4.7828	67.066	92	0.00	9	Very stiff, fine grained **
16.093	109.32	4.7284	2.884	105	0.00	9	Very stiff, fine grained **
16.223	84.50	4.8790	6.902	81	0.00	9	Very stiff, fine grained **
16.354	64.06	4.8734	7.313	61	0.00	9	Very stiff, fine grained **
16.485	49.33	4.2281	6.893	47	3.22	3	Clays - clay to silty clay
16.616	42.66	3.6149	20.258	41	2.76	3	Clays - clay to silty clay
16.747	42.30	3.4474	24.393	41	2.73	3	Clays - clay to silty clay
16.878	45.99	3.3871	20.071	44	2.98	3	Clays - clay to silty clay
17.008	48.41	3.3494	21.596	46	3.14	3	Clays - clay to silty clay
17.139	45.33	3.1356	18.398	43	2.94	3	Clays - clay to silty clay
17.270	44.92	2.4443	11.719	43	2.92	3	Clays - clay to silty clay
17.401	34.22	2.1944	14.500	33	2.20	3	Clays - clay to silty clay
17.532	32.59	1.9416	41.788	31	2.07	3	Clays - clay to silty clay
17.663	30.73	1.7926	50.384	29	1.93	3	Clays - clay to silty clay
17.793	30.92	1.6815	35.673	30	1.96	3	Clays - clay to silty clay
17.924	27.40	1.6434	25.960	26	1.73	3	Clays - clay to silty clay
18.055	28.15	1.6119	28.753	27	1.78	3	Clays - clay to silty clay

18.186	26.05	1.4750	25.128	25	1.64	3	Clays - clay to silty clay
18.317	25.18	1.4548	44.529	24	1.57	3	Clays - clay to silty clay
18.448	27.96	1.4997	50.961	27	1.74	3	Clays - clay to silty clay
18.578	31.68	1.7904	48.481	30	1.99	3	Clays - clay to silty clay
18.709	42.27	2.3495	51.154	40	2.70	3	Clays - clay to silty clay
18.840	38.97	2.3982	12.532	37	2.51	3	Clays - clay to silty clay
18.971	30.40	2.1425	30.918	29	1.92	3	Clays - clay to silty clay
19.102	26.96	1.7324	37.893	26	1.69	3	Clays - clay to silty clay
19.233	25.83	1.4724	45.324	25	1.61	3	Clays - clay to silty clay
19.363	25.37	1.4299	52.794	24	1.57	3	Clays - clay to silty clay
19.494	25.45	1.5690	61.724	24	1.56	3	Clays - clay to silty clay
19.625	32.64	1.7586	72.011	31	2.03	3	Clays - clay to silty clay
19.756	37.05	2.1602	80.939	35	2.32	3	Clays - clay to silty clay
19.887	31.39	2.1273	33.759	30	1.98	3	Clays - clay to silty clay
20.018	27.76	1.5794	55.033	27	1.72	3	Clays - clay to silty clay
20.148	27.13	1.1490	65.541	17	1.67	3	Clays - clay to silty clay
20.279	26.32	0.9181	60.469	13	1.62	4	Silt mixtures - clayey silt to silty clay
20.410	25.48	0.7934	71.258	12	1.55	4	Silt mixtures - clayey silt to silty clay
20.541	25.50	0.8726	78.900	12	1.55	4	Silt mixtures - clayey silt to silty clay
20.672	25.37	0.9347	105.149	12	1.51	3	Clays - clay to silty clay
20.803	26.39	0.9474	105.232	13	1.58	4	Silt mixtures - clayey silt to silty clay
20.933	26.78	0.9866	111.946	13	1.60	3	Clays - clay to silty clay
21.064	28.50	1.0419	122.107	14	1.70	4	Silt mixtures - clayey silt to silty clay
21.195	30.51	1.1038	118.853	15	1.84	4	Silt mixtures - clayey silt to silty clay
21.326	30.64	1.1538	113.405	15	1.85	4	Silt mixtures - clayey silt to silty clay
21.457	34.12	1.2526	118.197	16	2.08	4	Silt mixtures - clayey silt to silty clay
21.588	34.34	1.2745	90.640	16	2.12	4	Silt mixtures - clayey silt to silty clay
21.718	37.20	1.2989	106.805	18	2.29	4	Silt mixtures - clayey silt to silty clay
21.849	39.20	1.2898	104.725	19	2.43	4	Silt mixtures - clayey silt to silty clay
21.980	36.38	1.2966	99.044	17	2.25	4	Silt mixtures - clayey silt to silty clay
22.111	34.72	1.4132	109.191	22	2.12	4	Silt mixtures - clayey silt to silty clay
22.242	38.89	1.9011	129.544	37	2.38	3	Clays - clay to silty clay
22.373	65.46	2.5990	146.651	31	4.14	4	Silt mixtures - clayey silt to silty clay
22.503	106.23	3.0118	27.896	41	6.97	5	Sand mixtures - silty sand to sandy silt
22.634	124.15	3.5440	2.045	48	8.19	5	Sand mixtures - silty sand to sandy silt
22.765	123.60	3.7048	7.657	47	8.15	5	Sand mixtures - silty sand to sandy silt
22.896	127.97	3.8762	7.920	49	8.44	5	Sand mixtures - silty sand to sandy silt
23.027	109.52	3.5730	1.164	42	7.21	5	Sand mixtures - silty sand to sandy silt

sandy silt							
23.158	69.84	3.3449	9.042	67	4.56	4	Silt mixtures - clayey silt to silty
clay							
23.288	51.74	3.1279	41.393	50	3.32	3	Clays - clay to silty clay
23.419	46.20	2.5011	49.211	44	2.94	3	Clays - clay to silty clay
23.550	39.41	2.0128	69.378	38	2.47	3	Clays - clay to silty clay
23.681	35.24	1.5664	111.814	23	2.15	3	Clays - clay to silty clay
23.812	33.18	1.1644	136.325	16	1.99	4	Silt mixtures - clayey silt to
silty clay							
23.943	32.35	1.2251	144.481	15	1.93	3	Clays - clay to silty clay
24.073	32.58	1.2483	143.605	16	1.94	3	Clays - clay to silty clay
24.204	30.93	1.1382	146.811	15	1.83	3	Clays - clay to silty clay
24.335	31.78	1.0118	155.613	15	1.88	4	Silt mixtures - clayey silt to
silty clay							
24.466	37.05	0.9696	143.063	14	2.24	4	Silt mixtures - clayey silt to
silty clay							
24.597	31.73	1.0171	108.916	15	1.92	4	Silt mixtures - clayey silt to
silty clay							
24.728	30.77	1.1039	157.439	15	1.81	3	Clays - clay to silty clay
24.858	32.45	1.0788	143.802	16	1.93	4	Silt mixtures - clayey silt to
silty clay							
24.989	32.15	1.0880	161.070	15	1.89	4	Silt mixtures - clayey silt to
silty clay							
25.120	32.53	1.0791	166.684	16	1.91	4	Silt mixtures - clayey silt to
silty clay							
25.251	31.53	1.0574	137.844	15	1.87	4	Silt mixtures - clayey silt to
silty clay							
25.382	30.62	1.0705	149.216	15	1.80	3	Clays - clay to silty clay
25.513	30.01	1.0656	146.738	14	1.76	3	Clays - clay to silty clay
25.643	28.55	1.0796	136.608	14	1.67	3	Clays - clay to silty clay
25.774	27.80	1.0219	125.904	13	1.63	3	Clays - clay to silty clay
25.905	26.73	1.0022	94.068	17	1.59	3	Clays - clay to silty clay
26.036	25.68	1.0324	83.115	16	1.53	3	Clays - clay to silty clay
26.167	24.33	1.1737	53.615	23	1.47	3	Clays - clay to silty clay
26.298	23.93	1.2981	59.256	23	1.44	3	Clays - clay to silty clay
26.428	24.52	1.3790	55.700	23	1.48	3	Clays - clay to silty clay
26.559	24.76	1.3133	56.623	24	1.49	3	Clays - clay to silty clay
26.690	26.00	1.2031	60.026	25	1.57	3	Clays - clay to silty clay
26.821	26.49	1.1101	78.179	17	1.59	3	Clays - clay to silty clay
26.952	27.31	0.0000	89.926	0	1.63	0	<out of range>
27.083	26.77	0.0000	105.879	0	1.58	0	<out of range>
27.213	26.58	0.0000	90.961	0	1.58	0	<out of range>