

Testing Service Corporation
STRUCTURE ROCK CORING LOG

Page 1 of 1
Date 7/10/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham

Boring No. B-102 Core Type NX Core Barrel
Station 1031+75 Core Diameter 2.34 in
Offset 70.00ft Lt Core Length 5 ft

Surface Elev. 588.10 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
553.10	Gray SANDSTONE with interbedded SHALE	1	97	49	3	286
548.10	End of Boring at 40.0'					229
-45.0						
-50.0						
-55.0						

Color pictures of the cores _____

Cores will be stored for examination until _____

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SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	Qu	W	Surface Water Elev.	D	B	L	O	Qu	W
B-103	1030+22	78.00R Lt	584.68 ft	H	T	W	S	tsf	%		H	T	W	S	tsf	%
Hard brown SILTY CLAY LOAM, moist to damp										Hard gray SILTY CLAY LOAM, moist						
2 P 11										4 P 29						
4 4.5+										4 4.5+						
5										6						
8 P 8										3 B 35						
13 4.5+										4 3.6						
14										7						
13 P 7										4 P 12						
26 4.5+										6 4.5+						
25										9						
7 B 9										3 P 12						
13 8.0										8 4.5+						
21										11						
End of Boring at 35.0'										End of Boring at 35.0'						
573.68										549.68						
Hard brown SILTY LOAM, damp										Hard brown SILTY LOAM, moist						
7 P 8										6 P 10						
20 4.5+										12 4.5+						
42										18						
571.18										583.09						
Hard gray SILTY CLAY LOAM, moist										Hard brown SILTY CLAY LOAM, moist						
4 B 13										6 P 10						
9 5.8										12 4.5+						
15										15 50/4"						
568.68										575.59						
Firm gray SAND, wet										Very dense brown SILTY LOAM, damp						
5										17 7						
7										32 48						
10										29 6						
6 B 14										50/5"						
13 7.2										20						
18										40						
5 B 18										Hard gray SILTY CLAY LOAM, damp						
6 5.5										14 P 7						
14										41 4.5+						
4 B 16										49						
8 5.2										568.09						
13										543.09						
569.68										541.09						

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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Boring No.	Station	Offset	Surface Elev.	D	B	L	O	Qu	W	Surface Water Elev.	D	B	L	O	Qu	W
B-104	1029+50	70.00R Lt	591.09 ft	H	T	W	S	tsf	%		H	T	W	S	tsf	%
Hard brown SILTY LOAM, moist										Hard gray SILTY CLAY LOAM, moist						
4 P 13										6 P 11						
5 4.5+										10 4.5+						
9										18						
11 P 13										5 B 10						
13 4.5+										9 6.1						
17										23						
6 P 11										9 B 15						
9 4.5+										14 4.2						
13										29						
583.09										583.09						
Hard brown SILTY CLAY LOAM, moist										Hard gray SILTY CLAY LOAM, moist						
6 P 10										13 P 18						
12 4.5+										21 4.5+						
18										28						
580.59										585.09						
Hard brown SILTY LOAM, moist										Very tough dark gray SILTY CLAY LOAM, very moist						
16 P 8										5 P 37						
26 4.5+										5 3.25						
50										9						
577.59										577.09						
Very dense brown SAND, moist										Hard brown SILTY CLAY LOAM, moist						
14 P 10										4 B 30						
39 4.5+										6 3.2						
50/4"										10						
575.59										560.09						
Very dense brown SILTY LOAM, damp										Dense to very dense gray SILTY LOAM, moist						
17 7										10 18						
32 48										16 30						
29 6										9 16						
50/5"										12 33						
20										40						
570.59										570.59						
Hard gray SILTY CLAY LOAM, damp										Hard gray SILTY CLAY LOAM, damp						
14 P 7										25 17						
41 4.5+										36 42						
49										42						
568.09										543.09						
Very dense brown SILTY LOAM, damp										Very dense gray weathered SILTSTONE See STRUCTURE CORING LOG						
4 8										40 18						
47 50/5"										60/3"						
50/5"										541.09						
596.09										541.09						

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

SOIL BORINGS LOGS
ILLINOIS ROUTE 32/33
F.A.P. ROUTE 774
SECTION 107 WRS-1, 107BY,
107BY-1 & 107B-2
EFFINGHAM COUNTY
RETAINING WALL
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.
STRUCTURE NUMBER 025-W008