

SB-129

SOIL BORING LOG									
PAGE 4 of 4					DATE 5/7-8/2009				
LOGGED BY DR					GSI JOB No. 08201				
ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08					LOCATION I-70 & Illinois Route 3				
SECTION 82-2-1HVB-1					COUNTY St. Clair				
DRILLING METHOD 3.25" Hollow Stem Auger					HAMMER TYPE CME Automatic				
STRUCT. NO. 082-0329					STATION: --				
BORING NO. SB-129					GROUND SURFACE ELEV. 416.8				
STATION: 1681+48					OFFSET: 80.5' Left				
FIRST ENCOUNTER UPON COMPLETION n/a					AFTER 24 HRS. n/a				
RECOVERY=100.0%					R.Q.D.=89.3%				
RUN 1 (-126.5' to -131.5')					MISSISSIPPIAN SYSTEM, VALMEYERAN SERIES LIMESTONE				
Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Numerous horizontal fractures throughout.					Recovery=100.0%				
R.Q.D.=22.0%					End Of Boring @ -131.5'				
Hollow Stem Augers To -10.0'					Rotary Drilling To Completion				
CME Automatic Hammer					10' Of 4" Casing Used				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586) The Unit Dry Weight (pcf) is noted in Italic above moist (%)
 NR-No Recovery

SB-129 Run-1

ROCK CORE LOG									
PAGE 1 of 2					DATE 5/7-8/2009				
LOGGED BY DR					GSI JOB No. 08201				
ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08					LOCATION I-70 & Illinois Route 3				
SECTION 82-2-1HVB-1					COUNTY St. Clair				
CORING METHOD Rotary Wash					CORING BARREL TYPE & SIZE NX Double Swivel-10 ft				
STRUCT. NO. 082-0329					STATION: --				
BORING NO. SB-129					GROUND SURFACE ELEV. 416.8				
STATION: 1681+48					OFFSET: 80.5' Left				
FIRST ENCOUNTER UPON COMPLETION n/a					AFTER 24 HRS. n/a				
RECOVERY=100.0%					R.Q.D.=89.5%				
RUN 1 (-116.5' to -126.5')					MISSISSIPPIAN SYSTEM, VALMEYERAN SERIES LIMESTONE				
Light gray to gray & fine grained with horizontal bedding. Horizontal fractures @ -117.1', -117.5', -118.3', -119.5', -119.7', -120.4', -120.7', -121.5', -122.1', -122.8', -123.0', -124.1', -125.2', -125.8', -126.3' & -126.4'.					Recovery=100.0%				
R.Q.D.=89.5%					End Of Boring @ -131.5'				
Hollow Stem Augers To -10.0'					Rotary Drilling To Completion				
CME Automatic Hammer					10' Of 4" Casing Used				

Color pictures of the cores Yes Cores will be stored for examination for XX
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

SB-129 Run-2

ROCK CORE LOG									
PAGE 2 of 2					DATE 5/7-8/2009				
LOGGED BY DR					GSI JOB No. 08201				
ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08					LOCATION I-70 & Illinois Route 3				
SECTION 82-2-1HVB-1					COUNTY St. Clair				
CORING METHOD Rotary Wash					CORING BARREL TYPE & SIZE NX Double Swivel-10 ft				
STRUCT. NO. 082-0329					STATION: --				
BORING NO. SB-129					GROUND SURFACE ELEV. 416.8				
STATION: 1681+48					OFFSET: 80.5' Left				
FIRST ENCOUNTER UPON COMPLETION n/a					AFTER 24 HRS. n/a				
RECOVERY=100.0%					R.Q.D.=22.0%				
RUN 1 (-126.5' to -131.5')					MISSISSIPPIAN SYSTEM, VALMEYERAN SERIES LIMESTONE				
Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Numerous horizontal fractures throughout.					Recovery=100.0%				
R.Q.D.=22.0%					End Of Boring @ -131.5'				
Hollow Stem Augers To -10.0'					Rotary Drilling To Completion				
CME Automatic Hammer					10' Of 4" Casing Used				

Color pictures of the cores Yes Cores will be stored for examination for XX
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

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