

ROCK CORE LOG

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Date 9/25/12

ROUTEFAP Ro	DUTE FAP Route 42 (IL 127) DESCRIPTION IL 127 Over Kaskaskia Ri			Kaskaskia Rive	r		LOGGED BY SCI (HHF				
SECTION	1-1BR-2		Carlyle, IL, SEC. 3	1, TWP. 2N, RN	G . 2V	٧,					
			Latitude , Longit	ude			R		CORE	S	
COUNTYCli	inton COR	ING METHOD Wire	line				E	R	CORE	T	
							Č		т	Ŕ	
STRUCT. NO.	014-0014	CORING BARREL	TYPE & SIZE	NX	D	С	ő	à	i	Ë	
Station	140+00	- O D'	2.3	in	Ē	ŏ	v		M	N	
	D 7	Core Diameter Top of Rock Ele		_ ''' ft	Р	R	E	D	E	G	
BORING NO Station	139+25	Begin Core Elev		ft	T	Ε	R			Т	
Offset	8.0 ft LT	_ Degin Core Liev			H		Υ			Н	
Ground Surface E		- ft			(ft)	(#)	(%)	(%)	(min/ft)	(tsf)	
		eathered, sandy		200.00	1	1	89	70	1.8		
		oderately soft, slighly w		389.00		'	09	/ 0	1.0		
SANDSTONE. GIA	y, iiile graineu, iiic	derately soft, slighly w	reallieleu		_						
CUAL F. Cray, coff.		, moderately to highly		<u>387.40</u>	. —						
stringers	to moderately soft	, moderately to nignly	weathered, with Si	itstone		2	100	7	1.2		
L				<u>386.25</u>	-50						
		oderately soft, slighly w								85.9	
SHALE: Gray, soft i	to moderately soft	, moderately to highly	weathered, with si	Itstone							
1 inch SANDST	ONE SEAM				-						
5 inch SANDST	ONE SEAM										
3 inch SANDST	ONE SEAM										
3 IIIOII OAINDOT	ONE SEAW					3	100	70	1		
				381.50		•	100	'	'		
	ANDSTONE, SILT	STONE, and SHALE:	Gray and dark gra	ay, soft to	-55						
moderately soft					_						
					_						
					_						
				077.50							
ARGILLACEOUS S	SANDSTONE: Dar	k gray, fine grained, m	noderately soft slid	377.50 ahtly							
weathered		g.c.y, iiio giaiilea, ii	.ouoratory oort, ont	gy	_	4	100	88	3.2		
L				376.20	60						
	ANDSTONE, SILT	STONE, and SHALE:	Gray and dark gra	ay,							
moderately soft											
				374.60							
	SANDSTONE: Dar	k gray, very fine grain	ed, moderately so	ft,							
slightly weathered											
				371.85		5	100	67	4		
	ANDSTONE, SILT	STONE, and SHALE:	Gray and dark gra						<u> </u>		
moderately hard					-65	6	96	80	1.1	75.1	
					_					70.1	
I .				360 50			1	1	1		

Color pictures of the cores Yes

Cores will be stored for examination until

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)



ROCK CORE LOG

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Date 9/25/12

	1-1BR-2	LOCATION _	Carlyle, IL, SEC. 31, TWI Latitude , Longitude	P. 2N, RN	G . 2V	٧,				
COUNTY	Clinton COR	RING METHOD Wire					R	R	CORE	S T
STRUCT. NO Station	014-0014 140+00	Core Diameter		IX	D E P	C O R	0 V E	Q D	T I M E	R E N G
BORING NO Station Offset	B-7x 139+25 8.0 ft LT	Top of Rock Ele Begin Core Elev			T H	E	R Y			T H
Ground Surfac		ft			(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
SANDSTONE: (Gray, fine grained, m	oderately soft, slighly v	weathered, slight banding	,						
INTERBEDDED moderately soft	SANDSTONE, SILT	STONE, and SHALE:	Gray and dark gray,	368.60						
				367.00						
	Dark gray, fine graine		<u></u>	366.40	-70	7	100	70	1	146.5
INTERBEDDED	SANDSTONE, SILT	STONE, and SHALE:	Gray and dark gray	265.40						140.0
SANDSTONE: [Dark gray, fine graine	ed, hard, slight banding	 }	<u>365.40</u>						
INTERBEDDED	SANDSTONE, SILT	STONE, and SHALE:	Grav and dark grav	364.65	-					
	0, 11, 12, 0, 12, 1	0.10.12, 0.10 0.17.22.	oray and dam gray							
					_					
SANDSTONE:	Dark gray, very fine g	rained hard		<u>362.00</u>		8	100	90	1.2	
OANDOTONE.	Jaik gray, very line g	rained, nard			-75	U	100	30	1.2	
					_					123.7
				359.70						
		STONE, and SHALE:		359.30	. –					
SANDSTONE: [Dark gray, fine graine	ed, hard, slight banding)							115.0
2 inch SHAL	E SEAM			, <u>358.10</u>						
SILTSTONE: Da	ark gray, hard, slightly	y weathered, some ba	nding		_					
					_	9	100	100	2.7	73.9
	nd at 79.8 ft			356.25	-80					
Boring terminate	a at 75.0 1t.				_					
Boring terminate										
Boring terminate										
Boring terminate					_					
Boring terminate					_					
Boring terminate					_					
Boring terminate										
Boring terminate										
Boring terminate					-85					

Color pictures of the cores Yes

Cores will be stored for examination until

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)



USER NAME =	DESIGNED - RLM	REVISED
	CHECKED - JTH	REVISED
PLOT SCALE =	DRAWN - PRC	REVISED
PLOT DATE = 2/1/2013	CHECKED - RLM	REVISED

ROCK CORE LOG B-7X		SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 014-0033	42 1-1BR-2				CLINTON	159	129
3111001011L 140. 014-0033					CONTRAC	T NO. 7	6479
SHEET NO. 60 OF 61 SHEETS			ILLINOIS	FED. A	ID PROJECT		