

# Hole No. CB-KRR96-F-ND

<b>DRILLING LOG</b>	DIVISION South Atlantic	INSTALLATION Jacksonville District	SHEET 1 OF 6
1. PROJECT Kissimmee River Restoration Monitoring	10. SIZE AND TYPE OF BIT See Remarks		
2. LOCATION (Coordinates or Station)	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		
3. DRILLING AGENCY Corps of Engineers	12. MANUFACTURER'S DESIGNATION OF DRILL Failing 1500		
4. HOLE NO. (As shown on drawing title and file number) CB-KRR96-F-ND	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0    undisturbed: 0		
5. NAME OF DRILLER L.C. Gregory	14. TOTAL NUMBER OF CORE BOXES		
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED	15. ELEVATION GROUND WATER 1.55 ft. depth		
7. THICKNESS OF BURDEN 0 Ft.	16. DATE HOLE STARTED COMPLETED 11/06/96    11/18/96		
8. DEPTH DRILLED INTO ROCK 0 Ft.	17. ELEVATION TOP OF HOLE		
9. TOTAL DEPTH OF HOLE 140.0 Ft.	18. TOTAL CORE RECOVERY FOR BORING 58		
	19. SIGNATURE OF GEOLOGIST S. SPAGNA		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS Bit or Barrel	BLOWS/ ft.
n/a	.0						0
		[Diagonal Hatching]	Clayey SAND, fine grained quartz, brown, (SC)	73	1	SPLIT SPOON	1
				93	2	SPLIT SPOON	3
				73	3	SPLIT SPOON	2
				80	4	SPLIT SPOON	4
				100	5	SPLIT SPOON	4
	8.4	[Dotted Pattern]	Silty SAND, fine grained quartz, tan (SP-SM)	87	6	SPLIT SPOON	9
				80	7	SPLIT SPOON	6
				60	8	SPLIT SPOON	4
				73	9	SPLIT SPOON	3
				73	9	SPLIT SPOON	1
	13.1	[Vertical Dotted Pattern]	Silty SAND, fine to medium grained quartz, some medium to coarse shell, pale greenish gray (SM)	67	10	SPLIT SPOON	6
				67	11	SPLIT SPOON	5
				67	12	SPLIT SPOON	4
				67	13	SPLIT SPOON	7
				40	14	SPLIT SPOON	6
				47	15	SPLIT SPOON	7
							9
							8
							9
							4
							7
							12
							9
							10
							10

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Hole No. CB-KRR96-F-ND

DRILLING LOG (Cont. Sheet)		ELEVATION TOP OF HOLE		Ft.		SHEET 2 OF 6	
PROJECT			INSTALLATION				
Kissimmee River Restoration Monitoring			Jacksonville District				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS Bit or Barrel	BLOWS/5'
n/a	22.5						22.5
				53	16	SPLIT SPOON	10
							10
							16
							6
			fine grained quartz	40	17	SPLIT SPOON	9
							15
							25
				47	18	SPLIT SPOON	9
							16
			little medium to coarse shell				30
				67	19	SPLIT SPOON	8
							11
							13
				87	20	SPLIT SPOON	7
							6
							18
							30
							9
							11
				24	21	5' SAMPLER	12
							32.5
							19
							13
			greenish gray ←				35
							6
							7
				18	22	5' SAMPLER	8
							37.5
							9
							21
							40
							6
							3
				22	23	5' SAMPLER	3
							42.5
							5
							6
							45
				47	24	SPLIT SPOON	4
							5
							16
							2
							3
				63	25	5' SAMPLER	4
							47.5
							4
							4
							50

(continued)

DRILLING LOG (Cont. Sheet)		ELEVATION TOP OF HOLE		Ft.		SHEET 3 OF 6	
PROJECT			INSTALLATION				
Kissimmee River Restoration Monitoring			Jacksonville District				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS Bit or Barrel	BLOWS/5'
n/a	50.0						50
				66	26	5' SAMPLER	2 3 4 5 6
				88	27	5' SAMPLER	2 4 7 9 11
	61.0		Clayey SAND, fine quartz, little medium to coarse shell, green, (SC)	100	28	5' SAMPLER	3 5 9 11 19
				10	29	5' SAMPLER	3 6 9 10 14
				76	30	5' SAMPLER	8 7 7 9 2
				26	31	5' SAMPLER	4 6
						(continued)	12

DRILLING LOG (Cont. Sheet)		ELEVATION TOP OF HOLE		SHEET 4 OF 6			
PROJECT			INSTALLATION				
Kissimmee River Restoration Monitoring			Jacksonville District				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS Bit or Barrel	BLOWS/ft
n/a	77.5						77.5
				26	31	5' SAMPLER	12 17 6
				100	32	5' SAMPLER	8 9 22
	84.0		SAND, fine grained quartz, trace of fine black phosphate, gray (SP)		33		43
			layers of (CL) from 85 to 110				18
				55	34	5' SAMPLER	14 28 41
				100	35	SPLIT SPOON	4 12 13
				100	36	SPLIT SPOON	16 22 38
				80	37	SPLIT SPOON	12 28 34 38
				55	38	5' SAMPLER	10 21 41
							32 78
				43	39	5' SAMPLER	21 46 50+
							WASHED
						(continued)	105

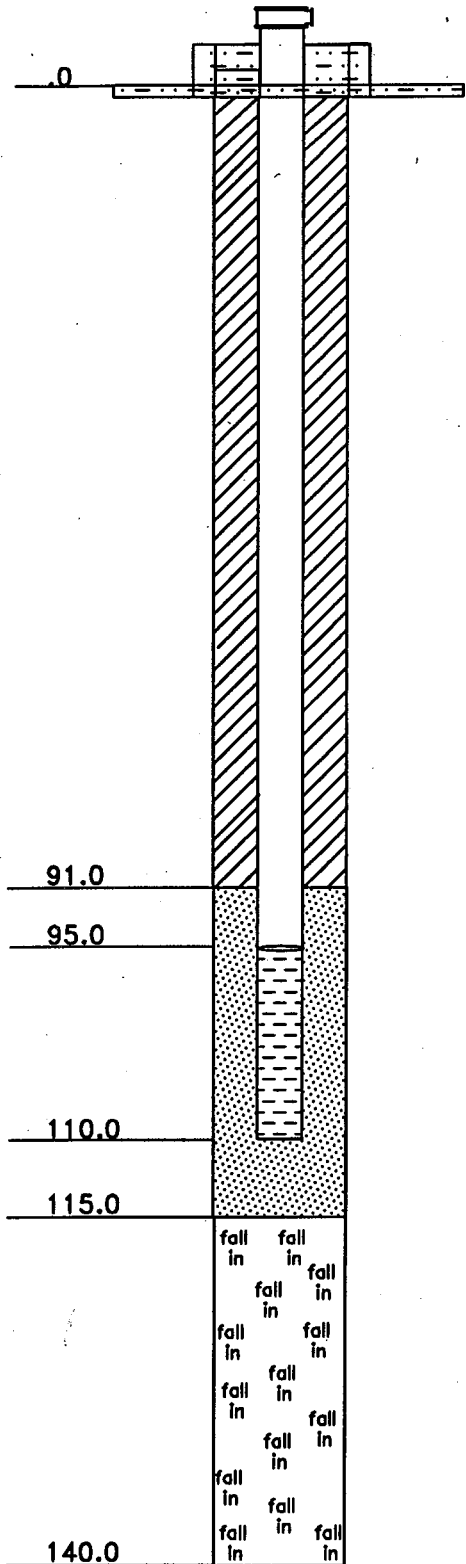
DRILLING LOG (Cont. Sheet)		ELEVATION TOP OF HOLE		Ft.		SHEET 5 OF 6	
PROJECT			INSTALLATION				
Kissimmee River Restoration Monitoring			Jacksonville District				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS Bit or Barrel	BLOWS/ 5'
n/a	105.0						
				40	40	5' SAMPLER	24 36 42 50+
	110.0		Silty clayey SAND, fine to medium quartz, some medium to coarse shell, trace sandstone noduals, pale greenish gray (SM-SC)				WASHEC 16 29
				47	41	5' SAMPLER	50+
	115.5		Silty SAND, fine to medium quartz, some medium to coarse shell, pale greenish gray (SM)				41 50+
				19	42	5' SAMPLER	WASHEC
			olive green, trace of medium to coarse shell from 120 to 140				16 44
				37	43	5' SAMPLER	55
							WASHEC
							20 45
				29	44	5' SAMPLER	53
							WASHEC
							20 45
				25	45	5' SAMPLER	53

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DRILLING LOG (Cont. Sheet)		ELEVATION TOP OF HOLE		Ft.		SHEET 6 OF 6	
PROJECT			INSTALLATION				
Kissimmee River Restoration Monitoring			Jacksonville District				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS Bit or Barrel	BLOGS/5'
n/a	132.5						132.5
				25	45	5' SAMPLER	53 WASHED
				10	46	5' SAMPLER	25 40 54 WASHED
	140.0						140
			NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System.			140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.)  300# hammsr with 18" drop used o 5' sampler.	140 142.5 145 147.5 150 152.5 155 157.5 160

Hole NO. = PZ-KRR96-F-ND

Completed = 11/21/96



2" PVC riser with 1' stickup above 8" PVC casing filled with concrete.

2' x 2' concrete pad on plastic sheet flush with ground surface.

MATERIALS PLACED:

10.0 - 15# bags standard sand 6-20

18.5 - 22# bags bentonite enviroplug wyoben

15  
Top of 5' screened interval.

TABLE A1. WELLS NAMES

OLD WELL NAME **	NEW WELL NAME	FUNCTION	ACTUAL CONSTRUCTION (TD, CD)
PZ-KRR96-E-N15	KRENNS	NEAR-FIELD SHALLOW WELL	TD = 15 CD = 10
PZ-KRR96-E-NS ***	KRENNM	NEAR-FIELD MID-DEPTH WELL	TD = 30 CD = 15
PZ-KRR96-E-NMDC	KRENNC	NEAR-FIELD CONFINING- UNIT WELL	TD = 40 CD = 50
PZ-KRR96-E-ND	KRENND	NEAR-FIELD DEEP WELL	TD = 110* CD = 100
PZ-KRR96-E-NM	KRENEM2	NEAR-FIELD MID-DEPTH WELL	TD = 76 CD = 66
WT1	KRENNW	NEAR-FIELD WATER TABLE PIEZOMETER	TD = 4
PZ-KRR96-E-F15	KREFFS	FAR-FIELD SHALLOW WELL	TD = 15 CD = 10
PZ-KRR96-E-9'	KREFFW	FAR-FIELD WATER TABLE PIEZOMETER	TD = 10 CD = 5
PZ-KRR96-E-FD	KREFFD	FAR-FIELD DEEP WELL	TD = 115 CD = 105
PZ-KRR96-E-FS ***	KREFFM	FAR-FIELD MID-DEPTH WELL	TD = 35 CD = 20



TABLE A1. WELLS NAMES

OLD WELL NAME **	NEW WELL NAME	FUNCTION	ACTUAL CONSTRUCTION (TD, CD)
KRR96-F-NS	KRRFNS	NEAR-FIELD SHALLOW WELL	TD = 15 CD = 10
PZ-KRR96-F-NMD	KRRFNC	NEAR-FIELD CONFINING-UNIT WELL	TD = 65 CD = 60
PZ-KRR96-F-ND	KRRFND	NEAR-FIELD DEEP WELL	TD = 110* CD = 95
PZ-KRR96-F-NM ***	KRRFNM	NEAR-FIELD MID-DEPTH WELL	TD = 30 CD = 15
WT1	KRRFNW	NEAR-FIELD WATER TABLE PIEZOMETER	TD = 5
WT2	KRRFFW	FAR-FIELD WATER TABLE PIEZOMETER	TD = 5
PZ-KRR96-F-FD	KRRFFD	FAR-FIELD DEEP WELL	TD = 108* CD = 93
PZ-KRR96-F-FS	KRRFFS	FAR-FIELD SHALLOW WELL	TD = 16 CD = 11
PZ-KRR96-F-FMD ***	KRRFFM	FAR-FIELD MID-DEPTH WELL	TD = 30 CD = 15

\* These wells were initially drilled to 140 feet and backfilled.

\*\* Well name as given on the as-built drawings.

\*\*\* In order to be consistent with the wells in Pool C, the 30-ft wells in Pool are considered to be mid-depth wells.