APPENDIX A

ENGINEERING APPENDIX

ATTACHMENT C
Resistivity Report

PART 7

Jacksonville Harbor Navigation Study, Duval County, Florida

DRAFT
INTEGRATED GENERAL REEVALUATION REPORT II AND SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT

JACKSONVILLE HARBOR GRR

CB-JHPM09-42

UNCONFINED COMPRESSIVE STRENGTH TESTS

DEPTH: 7.2-7.9'

S-

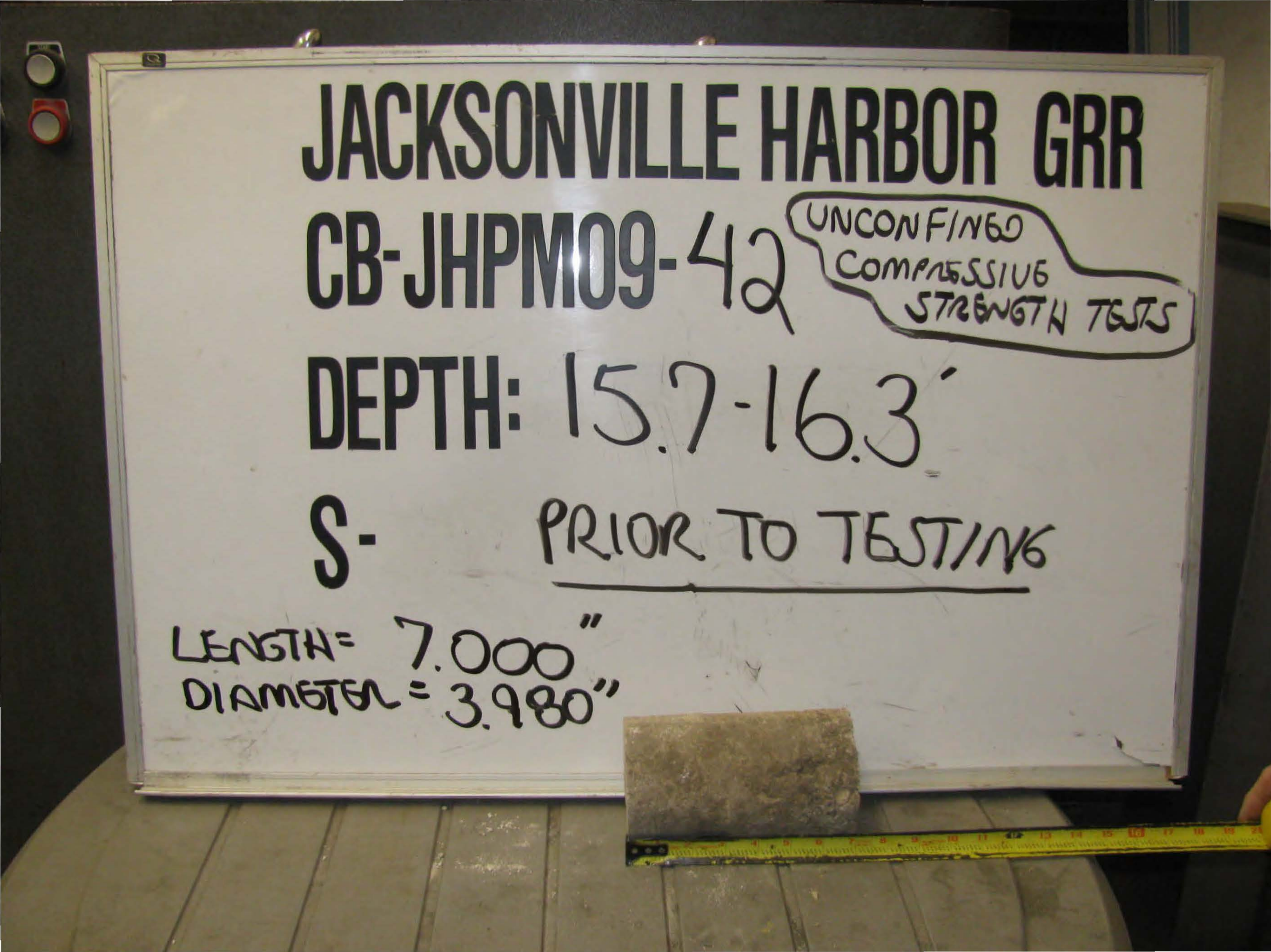
PRIOR TO TESTING

LENGTH = 8.025"

WIDTH = 3.950"

JACKSONVILLE HARBOR GRR
CB-JHPM09-42
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 7.2-7.9'
S-
PRIOR TO TESTING
LENGTH= 8.025"
WIDTH= 3.950"

JACKSONVILLE HARBOR GRR
CB-JHPM09-42
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 7.2-7.9'
S-
AFTER TESTING
LENGTH= 8.025"
WIDTH= 3.950"
LOAD= 24,500 LBS
UNIT LOAD= 1949 PSI


JACKSONVILLE HARBOR GRR
CB-JHPM09-42
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 15.7-16.3'
S-
PRIOR TO TESTING
LENGTH= 7.000"
DIAMETER= 3.980"

JACKSONVILLE HARBOR GRR
CB-JHPM09-42
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 15.7-16.3'
S- PRIOR TO TESTING
LENGTH= 7.000"
DIAMETER = 3.980"

JACKSONVILLE HARBOR GRR
CB-JHPM09-42
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 15.7-16.3'
S-
AFTER TESTING
LENGTH= 7.000"
DIAMETER= 3.980"
LOAD= 6,500 LBS
UNIT LOAD= 517 PSI

JACKSONVILLE HARBOR GRR

CB-JHPM09-45

UNCONFINED COMPRESSIVE STRENGTH TESTS

DEPTH: 16.7-17.4'

S-

PRIOR TO TESTING

LENGTH= 8.100"

DIAMETER= 3.950"

JACKSONVILLE HARBOR GRR
CB-JHPM09-45
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 16.7-17.4'
S- PRIOR TO TESTING
LENGTH= 8.100"
DIAMETER= 3.950"

JACKSONVILLE HARBOR GRR
CB-JHPM09-45
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 16.7-17.4'
S-
AFTER TESTING
LENGTH= 8.100"
DIAMETER= 3.950"
LOAD = 2,500 LBS
UNIT LOAD = 199 PSI

JACKSONVILLE HARBOR GRR

CB-JHPM09-45

UNCONFINED COMPRESSIVE STRENGTH TESTS

DEPTH: 17.4-17.9'

S- PRIOR TO TESTING

LENGTH= 5.850"
DIAMETER= 3.925"

JACKSONVILLE HARBOR GRR
CB-JHPM09-45
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 17.4-17.9'
S- PRIOR TO TESTING
LENGTH= 5.850"
DIAMETER= 3.925"

JACKSONVILLE HARBOR GRR
CB-JHPM09-45
UNCONFINED COMPRESSIVE STRENGTH TESTS
DEPTH: 17.4-17.9'
S- AFTER TESTING
LENGTH= 5.850"
DIAMETER= 3.925"
LOAD= 2,000 LBS.
UNIT LOAD= 159 PSI

LABORATORY TEST SUMMARIZATION

SUMMARY OF LABORATORY TEST ASSIGNMENTS

JACKSONVILLE HARBOR GRR PROJECT

JACKSONVILLE DISTRICT - U.S. ARMY CORPS OF ENGINEERS

JACKSONVILLE HARBOR - Duval County, Florida

CORE BORING NUMBER	SAMPLE NUMBER	DEPTH (FEET)	% PASSING # 200 SIEVE	VISUAL % SHELL	% CARBONATE	SUSPENDED SEDIMENTATION	UNCONFINED COMPRESSIVE STRENGTH	UNIFIED SOILS CLASSIFICATION
CB-JHPM09-1	3	3.0-4.5				1052.64 Grams\Liter		SM
CB-JHPM09-2	4	4.5-5.2	26.26	0.83				SM
	Run # 1	5.2-6.0					140 psi	Limestone
	Run # 2	10.6-11.3					5728 psi	Limestone
CB-JHPM09-4	3	3.0-4.5				877.19 Grams\liter		
CB-JHPM09-5	Run # 1	15.8-16.5					306 psi	Limestone
CB-JHPM09-6	Run # 1	2.5-3.0					398 psi	Limestone
CB-JHPM09-7	Run # 1	3.0-3.8					2435 psi	Limestone
	Run # 1	5.3-6.0					935 psi	Limestone
CB-JHPM09-9	1	0.0-1.5	3.42	6.28				SP
	Run # 1	15.8-16.5					340 psi	Limestone
CB-JHPM09-10	2	1.5-3.0				450.45 Grams\Liter		OL
CB-JHPM09-11	1	0.0-1.5	5.58	14.95				SP-SM
	Run # 1	9.5-10.2					815 psi	Limestone
CB-JHPM09-12	2	1.5-3.0	20.03	9.55				SM
CB-JHPM09-13	1	0.0-1.5	4.26	24.76				SP
CB-JHPM09-14	3	3.0-4.5	4.80	0.49				SP
CB-JHPM09-15	2	1.5-3.0	4.64	16.57				SP
CB-JHPM09-16	2	1.5-3.0	6.23	20.16				SP-SM
	Run # 1	5.5-6.2					1201 psi	Limestone
	Run # 1	6.8-7.2					135 psi	Limestone
CB-JHPM09-17	1	0.0-1.5	3.03	15.25				SP
	Run # 1	2.0-2.7					414 psi	Limestone
CB-JHPM09-18	1	0.0-1.5	6.99	10.55				SP-SM
	Run # 1	1.8-2.5					406 psi	Limestone
CB-JHPM09-20	3	3.0-4.5	11.59	35.82				SP-SM
	4	4.5-6.0				1052.63 Grams\Liter		SP-SM
CB-JHPM09-21	6	7.5-9.0	8.62	0.71				SP-SM
CB-JHPM09-22	1	0.0-1.5	3.60	8.22	25.0			SP
CB-JHPM09-24	1	0.0-1.5	14.36	11.43	25.0			SM
CB-JHPM09-25	1	0.0-1.5				1063.83 Grams\Liter		SP
	2	1.5-3.0	23.97	2.20				SM
CB-JHPM09-26	2&3	1.5-4.5	4.78	10.45	10.9			SP
	5	6.0-7.5	6.93	6.49	7.1	870.00 Grams\Liter		SP-SM
CB-JHPM09-28	2	1.5-3.0	16.67	0.58	16.3			SM
CB-JHPM09-29	1	0.0-1.5	4..01	41.06	31.7	1205.00 Grams\Liter		SP
CB-JHPM09-30	1	0.0-1.5				961.54 Grams\Liter		SM
CB-JHPM09-31	1	0.0-1.5	9.99	56.62	48.2			SP-SM
CB-JHPM09-32	2	1.5-3.0	3.50	28.76	26.2			SP
CB-JHPM09-35	1	0.0-1.5	4.92	1.86				SP
	Run # 2	5.0-5.7					1551 psi	Limestone
CB-JHPM09-37	6	7.5-9.0				722.92 Grams\Liter		SM
CB-JHPM09-38	1	0.0-1.5				714.29 Grams\Liter		SP
CB-JHPM09-39	Run # 1	7.7-8.2					664 psi	Limestone
CB-JHPM09-40	Run # 3	11.8-12.5					60 psi	Limestone
CB-JHPM09-42	Run # 1	7.2-7.9					1949 psi	Limestone
	Run # 3	15.7-16.3					517 psi	Limestone
CB-JHPM09-43	1	0.0-1.5				636.94 Grams\Liter		OL
CB-JHPM09-44	5	6.0-7.5				17.943 Grams\Liter		ML
CB-JHPM09-45	2	1.5-3.0				884.96 Grams\Liter		OL
	Run # 2	16.7-17.4					199 psi	Limestone
	Run # 2	17.4-17.9					159 psi	Limestone
CB-JHPM09-46	4	4.5-6.0				892.86 Grams\Liter		LIMESTONE
CB-JHPM09-47	4	4.5-6.0				862.07 Grams\Liter		SM
CB-JHPM09-48	4	4.5-6.0				540.54 Grams\Liter		ML
CB-JHPM09-50	2	1.5-3.0	9.18	0.77				SP-SM

EnviroChem
Environmental Laboratories

4320 Midmost Drive Mobile, Alabama 36609
Phone (251) 344-9106 Fax (251) 341-9492

Southern Earth Sciences, Inc.
762 Downtowner Loop West
Mobile AL, 36609
Attention: Mark White

Project: Misc.
Project Number: Jacksonville Harbor Deepening Project
Reported:
03/23/10 09:40

ANALYTICAL REPORT

Enclosed are the results of analyses for the samples listed below that were received by the laboratory on 03/16/10 13:50. If you have any questions concerning this report, please feel free to call EnviroChem at (251) 344-9106.

Sample Description	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
CB-JHPM09-22	10C0290-01	Solid	Grab	03/16/10 00:00	03/16/10 13:50
CB-JHPM09-24	10C0290-02	Solid	Grab	03/16/10 00:00	03/16/10 13:50

Reviewed by: Susan Maynord

EnviroChem Environmental Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

EnviroChem
Environmental Laboratories

4320 Midmost Drive Mobile, Alabama 36609
Phone (251) 344-9106 Fax (251) 341-9492

Southern Earth Sciences, Inc.
762 Downtowner Loop West
Mobile AL, 36609
Attention: Mark White

Project: Misc.
Project Number: Jacksonville Harbor Deepening Project
Reported:
03/23/10 09:40

Date Sampled: 03/16/10 00:00
Date Received: 03/16/10 13:50

CB-JHPM09-22

10C0290-01 (Solid)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Wet Chemistry									
Carbonates	0C22010	03/22/10 13:00	03/22/10 13:00	ELS	ASTM D 4373-02	5.0	%	**25.0**	

Date Sampled: 03/16/10 00:00
Date Received: 03/16/10 13:50

CB-JHPM09-24

10C0290-02 (Solid)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Wet Chemistry									
Carbonates	0C22010	03/22/10 13:00	03/22/10 13:00	ELS	ASTM D 4373-02	5.0	%	**25.0**	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ENVIROCHEM
Environmental Laboratories

4320 Midmost Drive Mobile, AL 36609
Tel: 251/344-9106 Fax: 251/341-9492

LAB NO: 1006290

REQUESTED TAT:
(FEES FOR RUSH TAT MAY APPLY)

CLIENT: Southern Earth
ADDRESS:
CITY/ST/ZIP:
CONTACT: Mark White
PHONE:
FAX:
EMAIL: mewhite@socarth.com

PROJECT: Jacksonville Harbor Deepening Project
PO#:
METHOD OF DELIVERY: ☐ UPS ☐ BUS ☐ AIRBORNE ☐ DROP OFF ☐ FED X ☐ ECI PICK-UP/SAMPLED ☐ USPS
SHIPPING TICKET NO.:
*SPECIFY ANALYTE LIST AND/OR METHOD

Chain of Custody Record

Agreement to Perform Services

SUB SHIPPED TO:
SUB SHIPPED VIA:
DATE SHIPPED:

Matrix Codes: A=Air B=Bulk S=Soil GW=Groundwater SW=Stormwater SFW=Surface Water WW=Wastewater DW=Drinking Water P=Paint L=Liquid SLD= Solid

PRESERVATION/CONTAINERS FOR WATER SAMPLES

SHADED AREAS FOR LAB USE ONLY

F0301.01 LAB USE ONLY	FIELD ID	COMPOSITE	GRAB	MATRIX	SAMPLER	SAMPLE COLLECTION BEGIN AUTOSAMPLER DATE/TIME	SAMPLE COLLECTION DATE/TIME	PLASTIC NONE: BOD 5-DAY	CBOD 5-DAY	ALKALINITY	CHLORIDE	pH	SS	SULFATE	TDS	TSS	TURBIDITY	O-PHOS	NITRITE	PLASTIC H_2SO_4: NITRATE	NO3+NO2	AMMONIA-N	COD	TOTAL PHOS	TKN	P/G NaOH: CN, AMENABLE	CN, TOTAL	GLASS H_2SO_4: PHENOLS*	TOC	TPH*	OIL & GREASE	GLASS NONE: SEMI-VOL*	PAH's	GLASS HCl: BETX	BETXM	BETXN	VOLATILES*	STERILE $Na_2S_2O_3$: FECAL COLI	COLIFORM, MF	COLIFORM, P/A	ENTERO	HNO3: METALS*	ASBESTOS	FLASHPOINT	TCLP*	MISC TEST: Carbonate
1	CB-JHPM09-22		X	S			Date unknown																																									X
2	CB-JHPM09-24		X	S			Date Unknown																																									X

1. RELINQUISHED BY:	DATE/TIME	4. RECEIVED BY:	DATE/TIME	7. RELINQUISHED BY:	DATE/TIME
SAMPLER(S) SIGNATURE(S): Mark White	3/16/10 1:50	SIGNATURE:		SIGNATURE:	
PRINT NAME(S): Mark White		PRINT NAME: COMPANY:		PRINT NAME: COMPANY:	
2. RECEIVED BY:	DATE/TIME	5. RELINQUISHED BY:	DATE/TIME	8. RECEIVED BY:	DATE/TIME
SIGNATURE: MBrem	3/16/10 1350	SIGNATURE:		SIGNATURE:	
PRINT NAME: COMPANY:		PRINT NAME: COMPANY:		PRINT NAME: COMPANY:	
3. RELINQUISHED BY:	DATE/TIME	6. RECEIVED BY:	DATE/TIME	COMMENTS:	
SIGNATURE:		SIGNATURE:			
PRINT NAME: COMPANY:		PRINT NAME: COMPANY:			

PAGE OF

ENVIROCHEM
Environmental Laboratories

Sample Receipt / Integrity Checklist

Client SES Date 3/16/10 Field Courier Client

Work Order 10C0290 Sample Custodian MKB

Sample coolers and containers

	Yes	No	n/a
Custody seals on coolers or shipping containers intact?			✓
Outside of coolers or shipping containers are free from damage?	✓		
All expected paperwork received (COC & other client specific information)?	✓		
Are sample containers intact?	✓		
Are samples in proper containers?	✓		
Is adequate sample volume present to perform the requested analyses?	✓		
Are volatile samples free of headspace (bubbles less than 6 mm in diameter)?			✓

Thermal and Chemical Preservation

	Yes	No	n/a
Samples received cooled?			✓
Type of cooling/temp? Wet Ice____ Blue Ice____ n/a____ Temp.____			
Temperature blank present?			✓
If no cooling present, were samples received within 1 hour of collection?			✓
Is the correct chemical preservative used for all samples?			✓
Is the pH range correct for chemically preserved samples checked at login?			✓

List samples checked for chemical preservation at bench ..... O&G____ Metals____ VOCs____ Other____

Chain of Custody

	Yes	No	n/a
Is COC filled out completely?	✓		
Is COC properly relinquished (signed and dated)?	✓		
Are any samples missing on COC or from cooler?		✓	
Do sample containers match COC?	✓		

Holding Times

	Yes	No	n/a
Are samples received within hold time?	✓		
Were short hold time or rush samples taken to appropriate department?			✓
If no, was responsible analyst and/or dept. manager notified?			✓
Does work order meet EnviroChem sample acceptance criteria?	✓		

Note: Samples that do not meet acceptance criteria must be documented in the Sample Rejection Log

Field Comments _____

Login Comments _____

Client Contacted _____ Contacted By _____ Date/Time _____

Client instructions ..... Cancel Work order____ Proceed with work order____ (Data will be qualified)

CORE BOX INVENTORY REPORT

ENCB-JHPM09-1	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 18.0; BOX ID: 16A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-10	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 18.0; BOX ID: 1~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-10	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 18.0 TO 42.0; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-11	Jacksonville H~BOX 1 OF 1 BOX; BORING 1 OF 2 BORINGS; DEPTH 0.0 TO 19.8; BOX ID: 13A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-12	Jacksonville H~BOX 1 OF 1 BOX; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 19.9; BOX ID: 12A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-13	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 15.0; BOX ID: 12A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-14	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 18.9; BOX ID: 7A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-15	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 31.5; BOX ID: 6A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-16	Jacksonville H~BOX 1 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 4.9; BOX ID: 10ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-16	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 4.9 TO 21.4; BOX ID: 1~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-17	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 11.0; BOX ID: 1~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-17	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 11.0 TO 21.5; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-18	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 9.0; BOX ID: 9A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-18	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 9.0 TO 18.5; BOX ID: 1~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-19	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 7.0; BOX ID: 8A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-19	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 7.0 TO 17.9; BOX ID: 9ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-2	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 17.7; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-2	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 17.7 TO 22.2; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-20	Jacksonville H~BOX 1 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 3.0; BOX ID: 6A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-20	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 3.0 TO 21.0; BOX ID: 7ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-21	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 21.0; BOX ID: 5A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-22	Jacksonville H~BOX 1 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 6.0; BOX ID: 5A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-22	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 6.0 TO 19.5; BOX ID: 6ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-23	Jacksonville H~BOX 1 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 3.0; BOX ID: 7A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-23	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 3.0 TO 18.5; BOX ID: 8ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-24	Jacksonville H~BOX 1 OF 1 BOX; BORING 1 OF 3 BORINGS; DEPTH 0.0 TO 21.0; BOX ID: 5A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-25	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 12.3; BOX ID: 4A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-26	Jacksonville H~BOX 1 OF 1 BOX; BORING 1 OF 3 BORINGS; DEPTH 0.0 TO 21.0; BOX ID: 1A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-27	Jacksonville H~BOX 1 OF 2 BOXES; BORING 4 OF 4 BORINGS; DEPTH 0.0 TO 10.5; BOX ID: 3ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-27	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 10.5 TO 13.5; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-28	Jacksonville H~BOX 1 OF 1 BOX; BORING 3 OF 4 BORINGS; DEPTH 0.0 TO 16.5; BOX ID: 3A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-29	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 4 BORINGS; DEPTH 0.0 TO 15.0; BOX ID: 3A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-3	Jacksonville H~BOX 1 OF 1 BOX; BORING 1 OF 1 BORING; DEPTH 0.0 TO 23.5; BOX ID: 19A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-30	Jacksonville H~BOX 1 OF 2 BOXES; BORING 4 OF 4 BORINGS; DEPTH 0.0 TO 10.5; BOX ID: 2ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-30	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 4 BORINGS; DEPTH 10.5 TO 16.5; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-31	Jacksonville H~BOX 1 OF 1 BOX; BORING 3 OF 4 BORINGS; DEPTH 0.0 TO 15.0; BOX ID: 2A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-32	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 4 BORINGS; DEPTH 0.0 TO 18.0; BOX ID: 2A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-33	Jacksonville H~BOX 1 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 7.5; BOX ID: 1A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-33	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 4 BORINGS; DEPTH 7.5 TO 12.0; BOX ID: 2ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-34	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 19.5; BOX ID: 1A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-35	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 11.0; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-35	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 11.0 TO 18.3; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-36	Jacksonville H~BOX 1 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 15.0; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-36	Jacksonville H~BOX 2 OF 2 BOXES; BORING 3 OF 3 BORINGS; DEPTH 15.0 TO 30.0; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-37	Jacksonville H~BOX 1 OF 1 BOX; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 25.6; BOX ID: 18A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-38	Jacksonville H~BOX 1 OF 1 BOX; BORING 1 OF 2 BORINGS; DEPTH 0.0 TO 24.0; BOX ID: 20A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-39	Jacksonville H~BOX 1 OF 3 BOXES; BORING 3 OF 3 BORINGS; DEPTH 0.0 TO 4.5; BOX ID: 16ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-39	Jacksonville H~BOX 2 OF 3 BOXES; BORING 1 OF 1 BORING; DEPTH 4.5 TO 16.5; BOX ID: 17ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-39	Jacksonville H~BOX 3 OF 3 BOXES; BORING 1 OF 3 BORINGS; DEPTH 16.5 TO 19.5; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-4	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 22.5; BOX ID: 33A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-40	Jacksonville H~BOX 1 OF 2 BOXES; BORING 1 OF 1 BORING; DEPTH 0.0 TO 14.4; BOX ID: 23ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-40	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 14.4 TO 17.0; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-41	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 18.0; BOX ID: 18A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-42	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 15.2; BOX ID: 3~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-42	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 15.2 TO 22.6; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-43	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 22.4; BOX ID: 25A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-44	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 7.5; BOX ID: 29ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-44	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 7.5 TO 22.5; BOX ID: 3~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-45	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 16.5; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-45	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 16.5 TO 20.0; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-46	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 15.0; BOX ID: 1~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-46	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 15.0 TO 20.0; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-47	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 24.0; BOX ID: 22A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-48	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 18.0; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-48	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 3 BORINGS; DEPTH 18.0 TO 25.9; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-49	Jacksonville H~BOX 1 OF 1 BOX; BORING 2 OF 3 BORINGS; DEPTH 0.0 TO 17.6; BOX ID: 10A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-5	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 13.5; BOX ID: 3~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-5	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 13.5 TO 20.3; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-50	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 24.0; BOX ID: 1~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-50	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 24.0 TO 45.3; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-6	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 10.5; BOX ID: 3~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-6	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 10.5 TO 18.8; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-7	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 9.1; BOX ID: 28ALoca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-7	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 9.1 TO 18.6; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-8	Jacksonville H~BOX 1 OF 1 BOX; BORING 1 OF 2 BORINGS; DEPTH 0.0 TO 17.3; BOX ID: 26A Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-9	Jacksonville H~BOX 1 OF 2 BOXES; BORING 2 OF 2 BORINGS; DEPTH 0.0 TO 15.0; BOX ID: 2~Loca~ 1BX	PITCHFORDKARENEN-GG3295
ENCB-JHPM09-9	Jacksonville H~BOX 2 OF 2 BOXES; BORING 1 OF 2 BORINGS; DEPTH 15.0 TO 20.0; BOX ID: ~Loca~ 1BX	PITCHFORDKARENEN-GG3295

CORE BOX # 1
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 2
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 3
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 4
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 5
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 6
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 7
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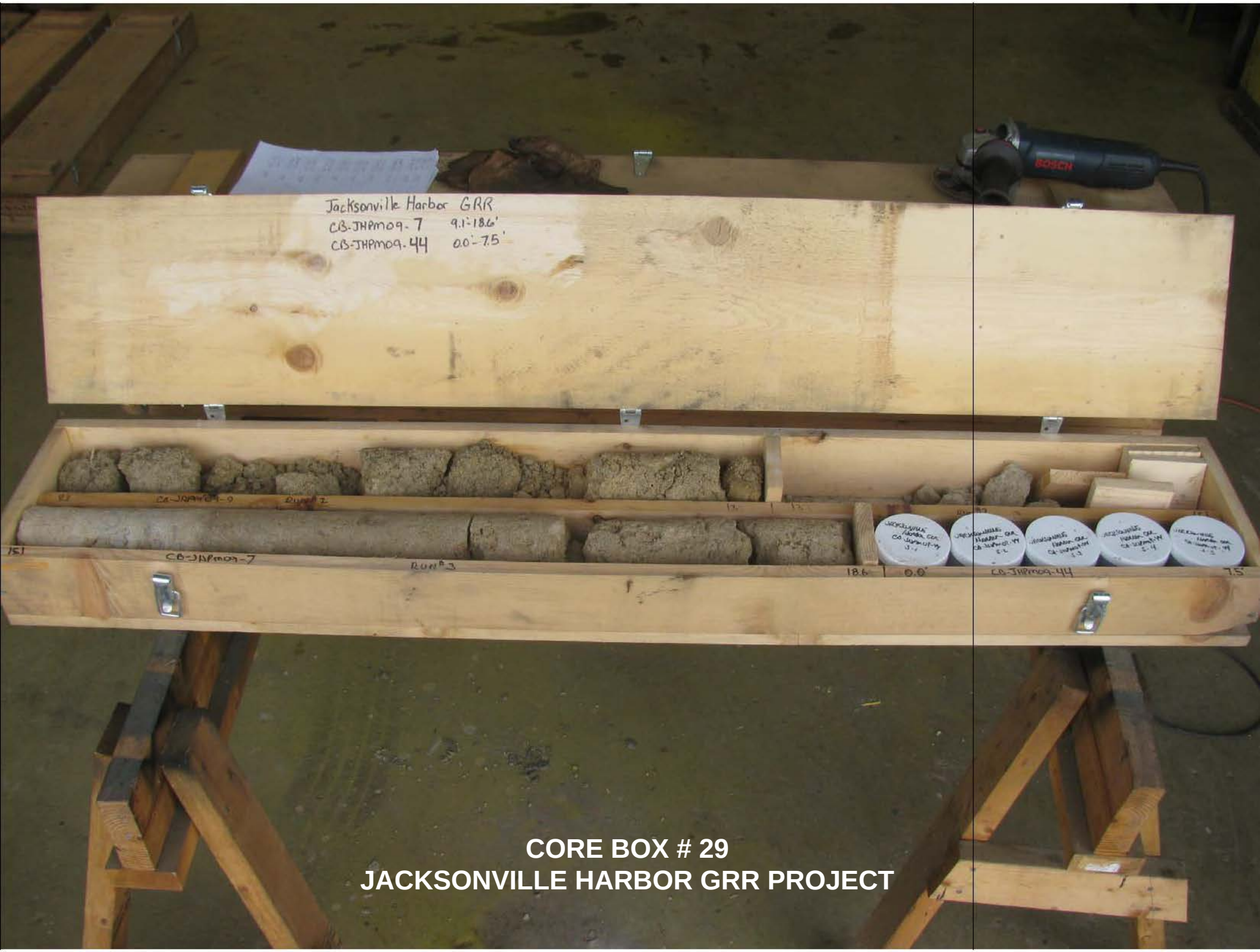
CORE BOX # 28
JACKSONVILLE HARBOR GRR PROJECT



CORE BOX # 29
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 30
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CORE BOX # 32
JACKSONVILLE HARBOR GRR PROJECT

CORE BOX # 33
JACKSONVILLE HARBOR GRR PROJECT