SUMMARY OF LABORATORY TEST RESULTS

Project: U.S.A.C.E. - 17TH STREET CANAL AND IN SITU TESTING AT LONDON

Project Number: 19115
Boring: B-15

Current Date: 11/3/2005

Sample Number	Depth in Feet	Visual Classification	USCS	W%	SPT	Sample Notes
1	0.0-0.5	SO GR CH3 W/ ARS ML, TR-WD	CH3	42		
2A	0.5-1.33	ST DGR & GR CH4 W/ LYS CH & PT, ARS SM	CH4	41		0.5 - 0.6 LYS CH, 0.6 - 0.8 LYS PT
2B	1.3-1.97	ST GR, DGR & T CH4 W/ LNS ML & PT	CH4	40		0.4 - 0.5 LYS ML, 0.5 - 0.7 LYS PT
3A	2.0-2.83	M GR & T CL6 W/ WD, LYS CH	CL6	29		0.0 - 0.3 DISTURBED CH
3B	2.8-3.3	ST DGR & BR CHOA W/ LYS CH & CL, WD	CHOA	71		0.0 - 0.1 LYS CL, 0.1 - 0.2 LYS CH
4A	4.0-4.83	ST DGR & BR PT W/ WD	PT	315		VERY BRITTLE
4B1	4.8-5.13	ST DGR & BR PT W/ WD	PT	364		
4B2	5.1-5.68	M DGR & GR CHOA W/ WD	CHOA	194		TEST SAMPLE
4C	5.7-6.62	M DGR & GR CHOB W/ WD, LYS PT	CHOB	221		0.6 - 0.9 LYS PT
5A	8.0-8.83	SO GR CH4 W/ ARS ML, O, WD	CH4	72		
5B1	8.8-9.22	SO GR CH4 W/ ARS ML, O, WD	CH4	78		
5B2	9.2-9.7	M DGR CHOC W/ TR-WD	CHOC	338		
5C	9.7-10.62	SO GR & DGR CH4 W/ O, WD, LYS CHOC	CH4	88		0.0-0.1 0.2- 0.3 LYS CH
5D	10.6-11.02	SO GR CH4 W/ LNS ML, WD	CH4	87		
6A	12.0-12.83	SO GR CL6 W/ ARS CH, SIF	CL6	37		
6B	12.8-13.72	SO GR CH2 W/ SIF	CH2	41		
6C	13.7-14.2	SO GR CH3 W/ LNS & LYS ML, SIF	CH3	55		0.0-0.2 LYS ML
7A1	16.0-16.42	SO GR CL6	CL6	45		
7A2	16.4-16.82	SO GR CH4 W/ LNS SM	CH4	89		
7B	16.8-17.72	SO GR CH4 W/ LNS SM	CH4	82		
7C	17.7-18.62	SO GR CH3 W/ LNS LYS ML	CH3	76		
7D	18.6-19.52	SO GR CH3 W/ LNS & LYS ML	CH3	82		
8A	20.0-20.83	SO GR CH4 W/ LNS ML	CH4	87		
8B	20.8-21.72	SO GR CH4 W/ LNS ML	CH4	71		
8C	21.7-22.62	SO GR CH4 W/ LNS ML	CH4	72		
8D	22.6-23.18	SO GR CH4 W/ LNS ML	CH4	83		
9A	24.0-24.83	SO GR CH4 W/ LNS ML, SL	CH4	76		
9B	24.8-25.72	SO GR CH4 W/ LNS ML, SL	CH4	70		
9C	25.7-26.62	SO GR CH4 W/ LNS ML, SL	CH4	81		
9D	26.6-27.02	SO GR CH4 W/ LNS ML, SL	CH4	85		
10A	28.0-28.83	SO GR CH4 W/ SL	CH4	89		
10B	28.8-29.72	SO GR CH4 W/ SL	CH4	86		
10C	29.7-30.62	SO GR CH4 W/ SL	CH4	89		
10D	30.6-31.52	SO GR CH4 W/ SL	CH4	86		
11A	32.0-32.83	SO GR CH4 W/ ARS SM, SL	CH4	82		
11B	32.8-33.72	SO GR CH3 W/ ARS & LNS SM, SIF	CH3	66		
11C	33.7-34.62	M GR CH2 W/ SIF	CH2	48		
12	35.0-37.5	GR SM1 W/ SIF	SM1	25	23	
13	37.5-40	GR SM1 W/ SIF	SM1	26	42	
14	40.0-42.5	VSO GR CL3	CL3	38	17	
15	42.5-44	M GR CH3 W/ ARS ML	CH3	61	3	

Remarks:

EUSTIS ENGINEERING COMPANY, INC.

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

SAMPLE NO.

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
A			0.0	0.5	42													
			7.1				CH	SO	GR	ARS ML TR-WD								
B																		
C																		
D																		

Classifier BR Recorder JR Checker _____ Date Analyzed 11-2-05 Sheet 1 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 0.0' - 0.5' Rec: PB

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

SAMPLE NO. 2

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN ND	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
0.5																		
A		1			41													
			192				CH4	ST	DGR GR	LYS CH PT ARS SM								
	CH																	
1.3	PX																	
B		1			40													
	ML		168				CH4	ST	GR DGR T	LYS ML PT								
2.0	PX																	
C																		
D																		

Classifier RR Recorder _____ Checker _____ Date Analyzed 11-2-05

Sheet 2 of 12 Sheets

LMN Form 721
Nov 69

(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 0.5' – 2.0' Rec: 19"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number: B-15

②-④ Location: Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken: 11/1/05

⑥ G.S.E.:

SAMPLE NO. 3

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
2.0																		
A	CH Dist.	1	328		29		CL lo	M	BR T	WD LYS CH								
2.8																		
B	CL CH	1	50		71		CH OH	ST	DGR BR	LYS CH CL WD								
3.3																		
C																		
D																		

Classifier RR Recorder JR Checker _____ Date Analyzed 11-2-05 Sheet 3 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 2'-4' Rec: 13"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

SAMPLE NO. 4

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
4.0	Very Brittle																	
A		1	355		31.5		PT	ST	DGRBR	WD								
4.8																		
5.1		1	V-405		36.4		PT	ST	DGRBR	WD								
B	Test Sample	2	75		19.4		CH OA	M	DGRGR	WD								
5.7																		
C		1	60		22.1		CH OB	M	DGRGR	WD LVS PT								
6.6	P/T																	
D																		

Classifier BR Recorder JR Checker _____ Date Analyzed 11-2-05 Sheet 4 of 12 Sheets

LMN Form 721 Nov 69 (Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 4' - 8' Rec: 31"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

SAMPLE NO. 5

DEPTH & SUB SAMP.	TESTS	ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
8.0																			
A			1	V-15H		72		CH4	SO	GR	ARS ML O WD								
8.8																			
			1	4D		78		CH4	SO	GR	ARS ML O WD								
9.2 B																			
			2	3S		33.8		CHOC	M	DGR	TR WD								
9.7	CHOC																		
	CHOC																		
C			1	6.59		88		CH4	SO	GR DGR	O WD LYS CHOC								
10.6																			
			1	12.6		87		CH4	SO	GR	LNS ML WD								
11.0 D																			

Classifier BB Recorder JR Checker Date Analyzed 11-2-05 Sheet 5 of 8 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 8' - 12' Rec: 36"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number: B-15

②-④ Location: Lat N 30° 01' 1.44" Long W 90° 07' 15.90"

⑤ Date Taken: 11/1/05

⑥ G.S.E.:

SAMPLE NO.: 6

DEPTH & SUB SAMP.	TESTS	ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
12.0																			
A			1			37													
				96				CL6	SO	GR	ARSCH. SIF								
12.8																			
B			1			41													
				V-178				CH2	SO	GR	SIF								
13.7																			
	ML		1																
C						55													
14.7				700				CH3	SO	GR	LNS LYS ML SIF								
D																			

Classifier: BR Recorder: JR Checker: Date Analyzed: 11-2-05

Sheet 6 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 12'-16' Rec: 27"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

SAMPLE NO. 7

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
16.0																		
		1	3274		45		CL	SO	GR									
16.4																		
		2	3605		89		CH	SO	GR	LNS	SM							
16.8																		
B			V-99		82		CH	SO	GR	LNS	SM							
17.7																		
C	ML		3482		76		CH	SO	GR	LNS	LYSML							
18.6																		
D	ML		V-23		82		CH	SO	GR	LNS	LYSML							
19.5																		

Classifier BR Recorder JR Checker Date Analyzed 11-2-05 Sheet 7 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 16-20' Rec: 42"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44" Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

SAMPLE NO. 8

DEPTH & SUB SAMP.	TESTS	ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
200																			
A			1	N-HO		87		CH4	SO	GR	LNSML								
203																			
B			1	V-J		71		CH4	SO	GR	LNSML								
217																			
C			1	H		72		CH4	SO	GR	LNSML								
220																			
D			1	7-9		83		CH4	SO	GR	LNSML								
232																			
			X																

Classifier RR Recorder JR Checker Date Analyzed 11-2-05 Sheet 8 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 20-24' Rec: 42"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

SAMPLE NO. 9

DEPTH & SUB SAMP.	TESTS	ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
24.0																			
A			1	V-2355		76		CH4	SO	GR	LNS ML SL								
24.8																			
B			1	3339		70		CH4	SO	GR	LNS ML SL								
25.7																			
C			1	1846		81		CH4	SO	GR	LNS ML SL								
26.6																			
D			1	1449		85		CH4	SO	GR	LNS ML SL								
27.0																			

Classifier BR Recorder JR Checker Date Analyzed 11-2-05 Sheet 9 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 24'-28' Rec: 37"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

SAMPLE NO. 10

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN ND	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
28.0																		
A		1	V-75		89		CH4	SO	GR	SL								
28.8																		
B		1	130		86		CH4	SO	GR	SL								
29.7																		
C		1	770		89		CH4	SO	GR	SL								
30.6																		
D		1	V-78		86		CH4	SO	GR	SL								
31.5																		

Classifier BB Recorder JR Checker Date Analyzed 11-2-05

Sheet 10 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 28'-32' Rec: 42"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number: B-15

②-④ Location: Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken: 11/1/05

⑥ G.S.E.

SAMPLE NO.

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
32.0																		
A		1	Val		82		CH4	Sa	GR	ARS SM SL								
32.8																		
B		1	V-82		66		CH3	Sa	GR	ARS LNS SM SLF								
33.7																		
C		1	V-168		48		CH2	M	GR	SLF								
34.6																		
D		X																

Classifier RR Recorder JR Checker _____ Date Analyzed 11-2-05 Sheet 11 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 32'-35' Rec: 31"

19115

U.S. Army Corps of Engineers
17th St. Canal and in situ testing at
London Avenue Canal
Orleans Parish, Louisiana
Contract No. DACW29-03-D-0038,
Task Order No. 74

LABORATORY BORING LOG

FOR UNDISTURBED SAMPLES ONLY

① Boring Number B-15

②-④ Location Lat N 30° 01' 1.44"
Long W 90° 07' 15.90"

⑤ Date Taken 11/1/05

⑥ G.S.E.

SAMPLE NO. 12-15

DEPTH & SUB SAMP.	TESTS ASSIGNED	LOG	SAMPLE FROM PAN NO	SAMPLE TO DRY WT	WATER CONTENT	STRATUM CHANGE	BORING LOG	CONSISTENCY	COLOR	MODIFICATION SYMBOLS	PENTRN. RES.	U.C.T.	BULK DENSITY	ATTERBERG LIMIT L.L.	ATTERBERG LIMIT P.L.	SIZE	TEST WATER CONTENT	UCT DEPTH
A			35.0	37.5	25						23							
			1245				SM1		GR	SLF								
			37.5	40.0	26						42							
			113				SM1		GR	SLF								
			40.0	42.5	38						17							
			1220				CL5	150	GR									
B			42.5	44.0	101						3							
			121				CH3	M	GR	ARS SM								
C																		
D																		

Classifier RR Recorder JR Checker Date Analyzed 11-2-05 Sheet 12 of 12 Sheets

LMN Form 721
Nov 69
(Replaces previous edition & LMN Form 680, 30 Jun 66)

Depth: 35' — 44' Rec: