SUMMARY OF LABORATORY TEST RESULTS

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

Project Number: 19115
Boring: B-14

Current Date: 11/3/2005

Sample Number	Depth in Feet	Visual Classification	USCS	W%	SPT	Sample Notes
1	0.0-0.5	VST T CL6 W/ RT	CL6	14		
2A	0.5-1.33	M T & LGR CL6 W/ WD	CL6	24		
2B	1.3-1.97	ST BR & DGR CHOB W/ WD, LYS CH	CHOB	120		0.6-0.7 LYS CH
3A1	2.0-2.5	ST BK & BR CHOC	CHOC	263		VERY BRITTLE
3A2	2.5-2.83	M DGR & T CHOA W/ SL	CHOA	114		0.1-0.3 LYS CH
3B	2.8-3.72	M DGR & BK CHOB W/ LYS CH	CHOB	166		0.4-0.5 LYS CH
3C	3.7-4.03	SO DGR CHOC W/ TR-RT	CHOC	206		
4A	4.0-4.83	M DGR CHOC W/ TR-WD	CHOC	313		
4B	4.8-5.72	M DGR CHOC W/ WD	CHOC	206		
4C	5.7-6.62	M DGR CHOB W/ WD	CHOB	153		
4D	6.6-6.93	ST DGR CHOB W/ WD	CHOB	153		
5A	8.0-8.83	ST DGR CHOB W/ LYS CH	CHOB	174		0.5-0.7 LYS CH ON 30 DEG ANGLE
5B	8.8-9.72	M DGR CH4	CH4	45		
5C	9.7-10.62	M DGR CHOA W/ LNS CH	CHOA	115		
5D	10.6-11.52	M DGR CHOC W/ LNS CH	CHOC	251		
6A	12.0-12.83	SO GR & DGR CH4 W/ O, TR-WD	CH4	96		
6B	12.8-13.72	SO GR CH4 W/ ARS SM, TR-WD	CH4	57		
6C	13.7-14.62	M GR CH2 W/ SIF	CH2	37		
6D	15.5-16.42	M GR CH2 W/ LYS ML	CH2	50		0.6-0.9 LYS ML
7A	16.0-16.83	GR ML2 W/ LYS CH	ML2	29		0.7-0.8 LYS CH
7B	16.8-17.72	SO GR CH4 W/ ARS & LNS ML	CH4	75		
7C	17.7-18.62	SO GR CH4 W/ ARS & LNS ML	CH4	83		
7D	18.6-19.52	SO GR CH3 W/ LNS & LYS ML	CH3	65		0.3-0.5 LYS ML
8A	20.0-20.83	SO GR CH4 W/ LNS SM	CH4	109		
8B	20.8-21.72	SO GR CH4 W/ LNS SM	CH4	83		
8C	21.7-22.62	SO GR CH4 W/ LNS SM	CH4	78		
8D	22.6-23.02	SO GR CH4 W/ LNS SM	CH4	76		
9A	24.0-24.83	SO GR CH4 W/ LNS SM	CH4	76		
9B	24.8-25.72	SO GR CH4 W/ LNS SM	CH4	108		
9C	25.7-26.62	SO GR CH4 W/ LNS SM	CH4	83		
10A	28.0-28.83	SO GR CH4 W/ SL	CH4	94		
10B	28.8-29.72	SO GR CH4 W/ SL	CH4	91		
10C	29.7-30.2	SO GR CH4 W/ SL, LNS ML	CH4	61		
11A	32.0-32.83	SO GR CH3 W/ ARS & LNS SM, SIF	CH3	56		
11B	32.8-33.72	M GR CH3 W/ LNS & LYS SP, SIF	CH3	59		0.1-0.3 LYS SP
11C	33.7-34.62	M GR CL5 W/ LYS CH, SIF	CL5	33		0.0-0.2 LYS CH
11D	34.6-35.27	M GR CL3 W/ SIF	CL3	29		
12	36.0-38.5	GR SM1 W/ SIF	SM1	25	16	
13	38.5-41	GR SM1	SM1	24	50	
14	41.0-43.5	GR SM1	SM1	28	17	
15	43.5-46	SO GR CH2	CH2	58	WOH	WOH = WEIGHT OF HAMMER

Remarks:

EUSTIS ENGINEERING COMPANY, INC.

19115

FOR UNDISTURBED SAMPLES ONLY

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

① Boring Number B-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

⑥ G.S.E.

SAMPLE NO. 1

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
0.0					14													
			V-2710				Cla	VST	T	RT								
A																		
B																		
C																		
D																		

Classifier RR Recorder JR Checker _____ Date Analyzed 11-1-05 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

① Boring Number: B-14

②-④ Location: Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken: 10/31/05

⑥ G.S.E.:

SAMPLE NO.: 2

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			132		24		L 6	M	T LGR	WD								
1.3																		
B			100		120		CH OB	ST	BR DGR	WD LYS CH								
2.0	LYS CH																	
C																		
D																		

Classifier: LR Recorder: JR Checker: Date Analyzed: 11-1-05

Sheet 2 of 12 Sheets

LMN Form 721
Nov 69

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

Depth: 0.5'-2' Rec: 20"

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-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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 2.5	Very Brittle	1	V. BO1		263		CH OC	ST	BK BR									
2.8	CH	2	94		114		CH OR	M	DGR T	SL								
B 3.7	CH	1	767		1060		CH TOB	M	DGR BK	LYS CH								
4.0 C		1	704		206		CH DC	SD	DGR	TR-RT								
D																		

Classifier LR Recorder JR Checker Date Analyzed 11-1-05 Sheet 3 of 12 Sheets

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

Depth: 2'-4' Rec: 25"

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-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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																		
A		1	3144		313		CH OC	M	DGR	Tr-WD								
4.8																		
B		1	1333		206		CH OC	M	DGR	WD								
5.7																		
C		1	1.7		153		CH OB	M	DGR	WD								
6.6																		
6.9		1	3216		153		CH OB	ST	DGR	WD								
D																		

Classifier LR Recorder JR Checker _____ Date Analyzed 11-1-05 Sheet 4 of 12 Sheets

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

Depth: 4'-8' Rec: 35"

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-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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	30° Angle CH	1	0.18		17.4		CH OB	ST	DGR	LVS CH								
8.8																		
B		1	3.71		45		CH H	M	DGR									
9.7																		
C		1	7.26		115		CH OH	M	DGR	LNS CH								
10.6																		
D		1	7		251		CH OC	M	DGR	LNS CH								
11.5																		

Classifier RR Recorder JC Checker _____ Date Analyzed 11-1-05 Sheet 5 of 12 Sheets

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

Depth: 8'-12' 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-14

②-④ Location: Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken: 10/31/05

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			35H		96		CH4	SO	GR DBR	D TR-ND								
12.5																		
B			325		57		CH4	SO	GR	ARS SM TR-ND								
13.7																		
C			128		31		CH2	M	GR	SLF								
14.6																		
D			720		50		CH2	M	GR	LYS ML								
15.5	LM																	

Classifier: DR Recorder: JR Checker: Date Analyzed: 11-1-05

Sheet 6 of 12 Sheets

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

Depth: 12'-16' 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-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

⑥ G.S.E.

SAMPLE NO. 7

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
11.0																		
A			789		89		ML 2		GR	LYSCH								
16.8	EX																	
B			7100		76		CH4	SO	GR	ARS LNS ML								
17.7																		
C			129		88		CH4	SO	GR	ARS LNS ML								
18.6																		
D			230		65		CH3	SO	GR	LNS LYS ML								
19.5	M																	

Classifier RR Recorder JR Checker _____ Date Analyzed 11-1-05

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

SAMPLE NO. 8

① Boring Number B-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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
20.0																		
A		1	1.09		109		CH4	SO	GR	LNSSM								
20.8																		
B		1	73		83		CH4	SO	GR	LNSSM								
21.7																		
C		1	744		78		CH4	SO	GR	LNSSM								
22.6																		
23.0		1			76													
D		X	122				CH4	SO	GR	LNSSM								

Classifier RR Recorder JR Checker _____ Date Analyzed 11-1-05

Sheet 8 of 12 Sheets

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

Depth: 20'-24' Rec: 39"

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. 9

① Boring Number B-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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
24.0																			
A			1	71.0		71.6		CH4	SO	GR	LNSSM								
24.8																			
B			1	41		108		CH4	SO	GR	LNSSM								
25.7																			
C			1	115		82		CH4	SO	GR	LNSSM								
26.6																			
D																			

Classifier KR Recorder JR Checker _____ Date Analyzed 11-1-05 Sheet 9 of 12 Sheets

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

Depth: 24'-28' 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-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

⑥ G.S.E.

SAMPLE NO. 10

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
28D																		
A			169		94		CH4	SO	GR	SL								
28.8																		
B			714		91		CH4	SO	GR	SL								
29.7																		
C			201		61		CH4	SO	GR	SL	LNSML							
30																		
D																		

Classifier RR Recorder JR Checker _____ Date Analyzed 11-1-05 Sheet 10 of 12 Sheets

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

Depth: 28'-32' Rec: 26"

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. 11

① Boring Number B-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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
32.0																		
A			7.13		56		CH3	SO	GR	ARS LNSSM SIF								
32.8																		
	SP																	
B			V-215		59		CH3	M	GR	LNS LYSSP. SIF								
33.7																		
	CH																	
C			V-229		33		CL5	M	GR	LYS CH SIF								
34.6																		
D			V-408		29		CL3	M	GR	SIF								
35.3																		

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

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

Depth: 32'-36' Rec: 41"

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. 12-15

① Boring Number B-14

②-④ Location Lat N 30° 01' 1.50"
Long W 90° 07' 15.90"

⑤ Date Taken 10/31/05

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			36.0	38.5	26						16							
			V-1 148				SM1		GR	SF								
			38.5	41.0	24						50							
			V-1 Hell				SM1		GR									
			41.0	43.5	28						17							
			V-1 147				SM1		GR									
B			43.5	45.0	58													
			V-2016				CH2	SO	GR									
C																		
D																		

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

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

Depth: 36-45' Rec: PB