TRIAXIAL and Direct Shear

SUMMARY OF ~~UNCONFINED~~ COMPRESSION TEST DATA
on UNDISTURBED SAMPLES
"S" Tests TABLE

Boring No.	Depth Ft.	Density Data M.C. %	Density Data U.D.W. P.C.F.	Gradation Gr	Gradation Sa	Gradation Fines	L.L.	P.L.	Shear Data Φ	Shear Data C P.S.F	Classification
83-393	10 - 12	21.7	102		5	95	21	12	33.5	400	Light Grey Sandy Clay (CL), Soft
83-393	14 - 16	27.7	95.		39	60	32	16	30.3	500	Grey Sandy Clay (CL), Very Soft
83-387	2 - 4	71.6	56.		5	95	81	26	14.0	140	Grey Clay (CH), Soft
83-402	10 - 12	28.9	94		15	65	29	20	29.3	0	Light Grey and Tan Sandy Clay (CL), Soft
						"R" Tests					
83-387	4 - 6	71.6	57		5	95	61	28	5.0	200	Grey Clay (CH), Very Soft
83-402	8 - 10	23.5	101.		34	66	28	18	13.5	480	Grey Silty Clay (CL), Soft
						"Q" Tests					
83-394	12 - 14	42.3	78		24	76	58	18	0	400	Grey Clay (CH), Soft
83-392	16 - 18	32.7	90	3	57	40	66.	21	0	200	Grey Clayey Sand (SC). Very Soft
83-393	12 - 14	22.0	100		29	71	20	14	19.8	720	Grey Sandy Clay (CL), Soft
83-401	10 - 12	33.0	89	1	30	69	52	19	0	400	Grey Clay (CH), Very Soft
83-406	14-16	18.3	104	1	50	49	31	13	13	200	Grey Sandy Clay (CL), Soft.

> 20 .48

Reach 21 Sta 39+00 83-385

Sfc El. 3.5

Lyr No	Depth	w	γ_d	e_o	γ	γ_b	Surcharge	H_z	$\Delta\sigma$	$\bar{\sigma}_o$	$\bar{\sigma}_f$	MC	LL	C_c *Cr	S
1	0-2	25	90	.838	113		1630	1	1630	113	1743			*.06	.078
2	2-4	35	90	.830	122	59		1		284	1914		50	*.15	.135
3	4-6	37	78	1.121	107	44		1		398	2018			.4	.256
4	6-8	63	62	1.668	101	39		.99	1614	595	2210		73	.58	.247
5	8-10	87	49	2.376	92	29		.98	1597	664	2262			.8	.252
6	10-12	78	52	2.182	93	30		.96	1565	724	2288			.8	.251
7	12-14	86	52	2.182	97	34		.95	1549	788	2337		90	.75	.223
8	14-16	60	57	1.902	91	29		.94	1532	851	2383			.65	.200
9	16-18	68	58	1.852	97	35		.92	1500	915	2415			.65	.183
10	18-20	54	60	1.757	92	30		.9	1467	980	2447			.6	.173
											Total				~~2.25~~
11	20-30							.85	1386	1160	2545			.3	.386
12	30-40							.77	1255	1459	2715			.1	.100
											Total				2.5

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COMPUTATION SHEET

PROJECT | FEATURE | SHEET ___ OF ___

DATE | DATE

BY | CHKD BY | DETAILS

SWD Form 521-R
Rev 24 Feb 81

SWGED-FG
SUBJECT: Wallisville Lake, Texas - Staking Request

TO: Soils Design Sec FROM: SWGED-FG DATE: 4 Jan 84 CMT 2
ATTN: John M. Cleveland

Subject request for boring stake-outs has been completed as of this date. The following are coordinates and elevations for the respective borings:

Boring No.	X	Y	STA.	Elevation		
83-368				3.8		
83-369				3.6		
83-370				2.4		
83-371				7.0		
83-372				8.3		
83-373				8.5		
83-374				6.4		
83-375				8.9		
83-376				6.5		
83-377				7.9		
83-378	3,342,098.78	752,430.13	5+00	5.4	✓	5+00 2.7
83-379	3,342,216.23	752,006.10	10+00	8.5	✓	10+00 4.3
83-380	3,342,462.07	751,575.25	15+00	1.9	✓	15+00 1.0
83-381	3,342,760.45	751,309.32	19+00	2.3	✓	1.2
83-382	3,343,141.70	750,985.83	24+00	3.9	✓	1.8
83-383	3,343,522.95	750,662.34	29+00	4.0	✓	2.0
83-384	3,343,904.21	750,338.85	34+00	4.1	✓	2.0
83-385	3,344,285.46	750,015.36	39+00	3.3	✓	1.6
83-386	3,344,666.72	749,691.87	44+00	2.1	✓	1.0
83-387	3,345,047.97	749,368.39	49+00	1.4	✓	

SWG FL 24
26 Nov 68

SUMMARY OF LABORATORY TEST DATA

PROJECT Corp of Engineers/Wallisville
DATE 83-4310

BORING NO.	DEPTH IN FEET	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST: COMPRESSION tsf	STRAIN %	LATERAL PRESSURE psf	TYPE FAILURE	Sieve Analysis % Passing #4	#10	#40	#200
385 9	16-18	Gray and tan clay with roots and ferrous nodules (CH)	68	58				0				TV = 0.14 TSF			
10	18.5-20	Light gray sand with clay pockets (SC)	54					0							
386	0-2	Gray clay with roots, slightly silty (CH)	35	84				1.25							
	2-4	Gray clay with roots, slightly silty (CH)	47	73				1.25							
	4-6	Gray and tan clay with silt pockets, slightly sandy (CH)	50	69	76	23	53	1.0				TV = 0.18 TSF -	-	100	93
	6-8	Gray clay with sand pockets and roots (CH)	48	64											