SUMMARY OF UNCONFINED COMPRESSION TEST DATA
WALLISVILLE RESERVOIR
NON-OVERFLOW DAM

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.	% Strain @ Max. Stress	Max. Stress T.S.F.	Classification		
378	2-4	25	103	0	19	81	59	22	10.2	1.53	Tan Red-Brown and Light Gray Clay	Stiff	(CH)
381	2-4	32	88	0	25	75	55	23	4.9	.22	Gray and Tan Clay	Soft	(CH)
382	2-4	35	84	0	1	99	77	27	3.1	.14	Gray and Tan Clay	Medium	(CH)
385	2-4	35	90	0	5	95	50	19	5.5	.36	Gray Clay	Stiff	(CH)
"	6-8	63	62	0	0	100	73	23	6.8	.37	Gray Clay	Soft	(CH)
"	12-14	86	52	0	0	100	90	39	3.1	.22	Gray Clay	Very Soft	(CH)
387	6-8	75	60	0	11	89	65	28	4.7	.12	Gray Clay	Very Soft	(CH)
"	13-15	84	51	0	0	100	97	38	4.2	.19	Gray Clay	Soft	(CH)
390	2-4	46	73	0	2	98	99	36	2.4	.49	Black Clay	Soft	(CH)
392	2-4	43	80	0	4	96	87	20	5.1	.38	Gray and Tan Clay	Soft	(CH)
393	0-2	47	72	0	2	98	91	31	5.4	.43	Gray Clay	Soft	(CH)
"	22-24	57	67	0	6	94	76	30	4.0	.23	Gray Clay	Very Soft	(CH)
"	34-36	48	80	0	14	86	72	27	6.3	.34	Gray Clay	Very Soft	(CH)
395	12-14	61	61	0	21	79	110	27	3.4	.51	Dark Gray & Gray Clay	Med	(CH)
"	18-20	65	63	0	12	88	82	27	3.4	.61	Gray Clay	Stiff	(CH)
400	2-4	45	77	0	1	99	91	33	4.4	1.34	Gray Clay	Stiff	(CH)
401	2-4	45	77	0	2	98	89	32	3.8	.60	Gray, Dark Gray & Tan Clay	Stiff	(CH)
402	4-6	28	101	0	10	90	35	22	14.3	.64	Gray Sandy Clay	Soft	(CL)
"	14-16	33	91	—	—	—	56	19	7.9	.22	Gray Clay	Soft	(CH)
"	22-24	68	67	0	0	100	85	33	3.0	.21	Gray Clay	Very Soft	(CH)
"	26-28	63	68	0	0	100	89	31	3.9	.40	Gray Clay	Very Soft	(CH)
405	2-4	32	91	0	9	91	65	20	5.2	.52	Gray & Tan Clay	Med	(CH)
407	2-4	33	91	0	9	91	56	24	4.8	.28	Gray & Tan Clay	Soft	(CH)
410	2-4	35	90	0	5	95	62	32	6.6	.57	Dark Gray & Tan Clay	Soft	(CH)
412	0-2	37	84	0	4	96	76	26	5.0	.30	Gray & Tan Clay	Soft	(CH)
"	22-24	75	62	0	12	88	84	27	6.1	.45	Gray Clay	Soft	(CH)
"	30-32	34	90	0	1	99	76	24	7.5	1.74	Gray & Tan Clay	Stiff	(CH)

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

TO: Soils Design Sec FROM: SWGED-FG DATE: 4 Jan 83 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		Elevation
83-388	3,345,479.92	749,137.59	54+00	1.6
83-389	3,345,935.97	749,300.53	59+00	1.3
83-390	3,346,196.03	749,604.38	63+00	0.9
83-391	3,346,519.00	749,986.08	68+00	1.4
83-392	3,346,841.97	750,367.77	73+00	1.3
83-393	3,347,164.95	750,749.46	78+00	1.5
83-394	3,347,491.45	751,127.89	83+00	1.2
83-395	3,347,953.72	751,272.24	88+00	1.4
83-396	3,348,383.65	751,033.11	93+00	1.0
83-397	3,348,774.08	750,720.76	98+00	1.3
83-398	3,349,140.06	750,382.57	103+00	1.4
83-399	3,349,346.17	749,931.38	108+00	1.3
83-400	3,349,396.10	749,585.03	111+50	1.2
83-401	3,349,462.67	749,089.48	116+50	2.0
83-402	3,349,522.51	748,643.51	121+50	1.5
83-403	3,349,595.80	748,098.38	126+50	1.1
83-404	3,349,662.37	747,602.84	131+50	0.9
83-405	3,349,728.93	747,107.29	136+50	1.1
83-406	3,349,795.50	746,611.74	141+50	0.9
83-407	3,349,862.06	746,116.19	146+50	1.1

SWG FD 24
26 Nov 68

SUMMARY OF LABORATORY TEST DATA

PROJECT Corp of Engineers/Wallisville
DATE 83-431T

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 psi	TYPE FAILURE	Sieve Analysis % Passing #4	#10	#40	#200
395	12-14	Dark gray and gray clay with sand pockets and partings (CH)	61 98	61	110	27	83	.51	3.4	0	BULGE	TV = 0.19 TSF -	100	95	79
	14-16	Gray and dark gray clay with sand pockets (CH)	73	57								TV = 0.16 TSF			
	16-18	Gray clay with silt pockets (CH)	69	58								TV = 0.20 TSF			
	18-20	Gray clay with roots (CH)	65	63	82	27	55	.61	3.4	0	SHEAR	TV = 0.4 TSF -	-	100	88
396 1	0-2	Gray and tan clay with roots (CH)	37	77											
2	2-4	Gray clay with roots (CH)	61	65											
3	6-8	Gray sandy clay, slightly silty (CL)	22												
4	8-9.5	Gray clay with silt pockets (CH)	52												
5	10-12	Gray clay with sand partings (CH)	49	73								TV = 0.17 TSF			
6	12-14	Gray and dark gray clay with sand pockets (CH)	79	53											
7	14-16	Dark gray and gray clay with sand pockets (CH)	92 91	48	118	38	80					TV = 0.17 TSF -	100	97	84
8	16-18	Light gray clay with silt pockets (CH)	86	51											
9	18-20	Light gray and dark gray clay with silt pockets and partings (CH)	61	62								TV = 0.22 TSF			