

DEPARTMENT OF THE ARMY DIVISION Southwestern INSTALLATION Galv Dist. Eng Div DRILLING LOG			1. PROJECT NASA Channel, Clear Creek, Texas		SHEET OF Texas	
4. HOLE NO. (As shown on drawing title and file No.) 3ST-11			2. LOCATION (Coordinates or Station) Tide 2.5 @ 13:15 hrs			
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL			3. DRILLING AGENCY U. S. Army Corps of Engineer		5. NAME OF DRILLER Black	
10. SIZE AND TYPE OF BIT Shelby Tube - 3"			7. THICKNESS OF OVERBURDEN		8. DEPTH DRILLED INTO ROCK	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED 2 Jars UNDISTURBED 2 Cont			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		12. MANUFACTURER'S DESIGNATION OF DRILL	
14. TOTAL NO. CORE BOXES			15. ELEV. GROUND WATER		9. TOTAL DEPTH OF HOLE 17.5	
16. DATE HOLE STARTED 7 June COMPLETED 7 June 1962			17. ELEV. TOP OF HOLE			
18. TOTAL CORE RECOVERY FOR BORING (%)			19. SIGNATURE OF INSPECTOR			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (drilling time, water loss, depth of weathering, etc., if significant)
0.0	4.0	1.5	Water			
4.0	10.0	2.5	Gray mucky silty clay v/soft 3" ST penetrated to 10' w/weight of kelly and 5' rod			Jar 1
10.0	13.0	10.5	Gray sticky silt clay 3" ST penetrated under weight of 5' rod and kelly			Jar 2
13.0	15.0	12.5	Gray brown sandy clay w/small heavy cal nodules v/stiff			Cont. 1 2.00
15.0	17.5		Gray brown clay v/stiff Cont. 2 Bottomed in above at 17.5 Water 4.0			Cont. 2 2.50

NASA CHANNEL IN CLEAR LAKE INVEST OF CHANNEL DREDGING

TEST DATA SUMMARY

FEATURE Log of Sail Boring

[illegible]

* Values at Pressure T/SQ FT

UC - Unconfined Compression

DS - Direct Shear
UU - Unconsolidated Undrained

CU – Consolidated Undrained

Results of Tests of Foundation Materials

Hole No.	SWD Sample No.	Depth, Feet	Type of Sample	Mechanical Analysis			Limits		Natural Conditions		Pocket Penetrometer, tsf	Classification
				Gr	Sa	Fi	LL	PI	Water Content %	Dry Density Lbs/cu.ft.		
3ST-10	S-12881	3.3 - 4.0	Jar	Gray Clay (CL)			54	15	Soft, Mucky	114.2	-	Dk. gray CLAY (CL).
	S-12882	4.0 - 6.5	ST	Gray Clay (CH)			64	16	38.3	95	0.5	Dk. gray CLAY (CH), medium consistency.
	S-12883	6.5 - 9.0	ST	0.34 3 med. v. m			64	16	39.9	82	0.75	Dk. gray CLAY (CH), medium consistency.
	S-12884	9.0 - 11.5	ST	0.15 85			60	14	28.3	105	1.25	Brownish-yellow and gray CLAY (CH), stiff.
	S-12885	11.5 - 14.0	ST	Gray Clay (CH)			29	Stiff	30.3	94	1.25	Brownish-yellow and gray CLAY (CH), stiff.
3ST-11	S-12886	4.0 - 10.0	Jar	0	10	90	41	16	49.5	Gray Clay (CL)	-	Gray CLAY (CL).
	S-12887	10.0 - 13.0	Jar	0	18	82	34	12	-	50 v. soft, Mucky	-	Gray CLAY (CL).
	S-12888	13.0 - 15.0	ST	9	21	70	41	10	16.2	114	2.5	Red CLAY (CH), very stiff; calcareous nodules.

Red Clay (CH)
16 v. Stiff, w/Cal. Nod.

