

28 Jan 1965

PROJECT: Galveston Harbor and Channel

LOCATION: Galveston, Texas

TEST DATA SUMMARY

BORING NO. 3st-68

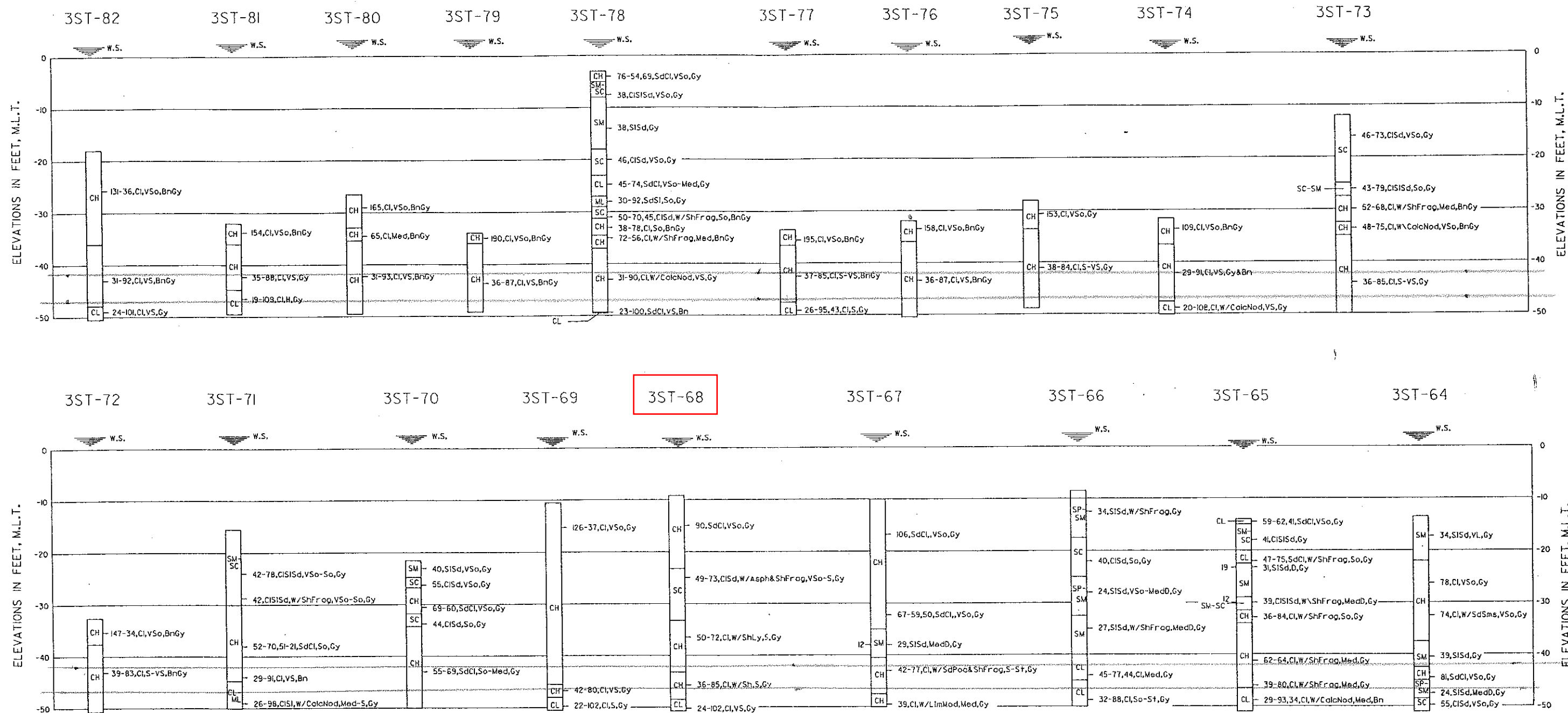
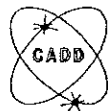
DATE DRILLED

[illegible]

KEY:	CONSISTENCY -- COHESIVE SOILS								CONSISTENCY -- COHESIONLESS SOILS					(1) Tons/Sq.Ft. Unconfined Compressive Strength (2) Split Barrel Sampler (3) Acc. Wt. Rtd ÷ Init. Wt. x 100 = % Rtd.
	VS	S	M	ST	VS†	H	VL	L	M	D	VD			
	Very Soft	Soft	Medium	Stiff	Very Stiff	Hard	Very Loose	Loose	Medium	Dense	Very Dense			

BORING NO. 35T-68

DRILLING LOG		DIVISION Southwestern		INSTALLATION Galv Dist, Eng Div		SHEET OF SHEETS	
1. PROJECT Galveston Harbor and Channel				10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station) Galveston, Texas				11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY U. S. Army Corps of Engineers				12. MANUFACTURER'S DESIGNATION OF DRILL			
4. HOLE NO. (As shown on drawing title and file number)		3ST-68		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 5 Jars	
5. NAME OF DRILLER Watts				14. TOTAL NUMBER CORE BOXES		UNDISTURBED 11 Cont	
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE		STARTED 17 Dec	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE		COMPLETED 17 Dec 1965	
9. TOTAL DEPTH OF HOLE 52.5				18. TOTAL CORE RECOVERY FOR BORING %			
19. SIGNATURE OF INSPECTOR							
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	11.0		Water				
11.0	13.5		Gray clay, v/soft weight 2 rods, 1 tube no resistance			Cont. 1	0.0
13.5	16.0		Gray sandy clay, v/soft Weight of 2 rods, 1 tube No resistance			Cont. 2	0.0
16.0	18.0		Gray clay, moist, v/soft No resistance			Jar 1	0.0
18.0	20.0		Gray clay, moist, v/soft No resistance			Jar 2	0.0
20.0	22.0		Gray clay, moist, v/soft No resistance			Jar 3	0.0
22.0	24.0		Gray clay, moist, v/soft No resistance			Jar 4	0.0
24.0	25.0		Same as above, no recovery				
25.0	27.5		Gray sandy clay w/2" dia. asphalt, v/soft			Cont. 3	0.0
27.5	30.0		Same as above, no recovery				
30.0	32.0		Gray clay w/shell frag (fine) v/soft			Jar 5	0.0
32.0	32.5		Same as above, no recovery				
32.5	35.0		Gray sandy clay w/shell frag (fine) w/org. mat. grass roots soft			Cont. 4	0.25
35.0	37.5		Gray clay w/shell frag at 37.5 soft			Cont. 5	0.25
37.5	40.0		Gray clay, soft			Cont. 6	0.25
40.0	42.5		Gray clay, v/soft			Cont. 7	0.25
42.5	45.0		Gray clay, v/soft			Cont. 8	0.25
45.0	47.5		Gray clay, stiff			Cont. 9	1.50
47.5	50.0		Gray clay, stiff			Cont. 10	1.50
50.0	52.5		Gray silty clay, v/stiff			Cont. 11	2.00
			BOTTOMED				
			Tide +1.8				



NOTES:

1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD 619B 'UNIFIED SOIL CLASSIFICATION SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS AND FOUNDATIONS.' CONSISTENCY OF SOILS SUCH AS SOFT, MEDIUM, HARD, LOOSE, DENSE, ETC., ARE RELATIVE TERMS BASED ON ESTIMATED UNDISTURBED SHEAR STRENGTH OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATION, POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.
2. FIGURES TO THE RIGHT OF BORING LOGS ARE WATER CONTENTS IN PERCENT OF THE DRY WEIGHT, DRY DENSITY, LIQUID LIMIT, PLASTIC LIMIT, AND BAR LINEAR SHRINKAGE. (MC-UDW), (LL-PL), (B.L.S.) * FIGURES TO THE LEFT OF BORING LOGS ARE BLOWS PER FOOT OF PENETRATION FROM STANDARD PENETRATION TESTING.
3. BORINGS WERE DRILLED USING WET ROTARY DRILLING TECHNIQUES AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER THIN WALL SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED. WHERE COHESIONLESS MATERIALS WERE ENCOUNTERED, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD PENETRATION TESTING.

VISUAL CLASSIFICATIONS

Bn Brownish
Calc Calcareous
Cl Clayey
D Dense
Frag Fragmental
Gy Grayish
H Hard
L Loose
Nod Nodules
Med Medium
S Stiff
Sa Sandy
Sh Shelly
SI Silty
So Soft
V Very
W With
W.S. Water Surface

LABORATORY CLASSIFICATION

CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
ML INORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-CLAY MIXTURES.
SM SILTY SANDS, SAND-SILT MIXTURES.
SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.

NOTE: BORINGS DRILLED DECEMBER 1965
LOCATIONS OF BORINGS SHOWN ON PLATE FD-38

HOUSTON-GALVESTON NAVIGATION CHANNELS, TEXAS

GALVESTON CHANNEL BORING LOGS

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

TO ACCOMPANY ENGINEERING SUPPLEMENT
TO LIMITED REEVALUATION REPORT
DATED: X