SWG Form 267
12 July 1971

GDLR NO 1702

PROJECT: Rockport Boat Harbor

BORING NO. 81-124

TEST DATA SUMMARY

LOCATION:

DATE COMPLETED 3 February 1982

FIELD NO.	Sample Depth, Feet From	To	CLASSIFICATION ELEVATION TOP BORING ____	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY P. c. f.	L.L.	P.L.	Lab Sample No.	BAR L.S.	SIEVE ANALYSIS PERCENT GRVL	SAND	FINES	WT. INIT.	ACC. WT. RTND. SIEVE NO. (3) NO. 4	NO. 10	NO. 40	NO. 200
1-J	0.0	7.0	White Sand w/Random Shells 0.0-7.0	SP				11				161		0	97	3	100	0	0	0	97
			and Shell fragments																		
2-C	7.0	8.5	Gray silty Sand w/3" clay layer at bottom 7.0-8.5	SM	M	0.50		28				162		0	88	12	100	0	0	0	88
3-J	8.5	10.0	Gray silty sand 8.5-12.5	SP SM				26				163		0	93	7	100	0	0	0	93
4-J	10.0	12.5	Gray silty Sand					26				164		0	95	5	100	0	0	1	95
5-C	12.5	15.0	Gray silty Sand 12.5-15.0	SM	S	0.25		24				165		0	87	13	100	0	0	0	87

KEY: CONSISTENCY — COHESIVE SOILS: VS Very Soft; S Soft; M Medium; ST Stiff; VST Very Stiff; H Hard
CONSISTENCY — COHESIONLESS SOILS: VL Very Loose; L Loose; M Medium; D Dense; VD Very Dense

(1) Tons/Sq.Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Rtnd ÷ Init. Wt. x 100 = % Rtnd.

BORING NO. 81-124

Bottomed at 15.0' Water at ____ Tide Reading ____

Sheet 1 of sheets 1

SIEVE ANALYSIS

Date 2/5/82

Project Rockport

Boring No. 81-124 Sample No. 1 (82-161)

Total wt in grams of sample, W_s = 100 | Wt in grams of material > No. 4 sieve =

Sieve Openings		U. S. Standard Sieve Size or Number	Weight Retained in grams	Percent Retained		Percent Finer by Weight
Inches	Millimeters			Partial	Total	
3.00		3-in.				
2.00		2-in.				
1.50		1-1/2-in.				
1.00	25.4	1-in.				
0.750	19.1	3/4-in.				
0.500	12.7	1/2-in.				
0.375	9.52	3/8-in.	0		0	100
0.250	6.35	No. 3				
0.187	4.76	No. 4	0		0	
		Pan				
0.132	3.36	No. 6				
0.094	2.38	No. 8				
0.079	2.00	No. 10	0		0	
0.047	1.19	No. 16				
0.033	0.84	No. 20	0		0	
0.023	0.59	No. 30	0		0	
0.0165	0.42	No. 40	0		0	
0.0117	0.297	No. 50	0		0	
0.0083	0.210	No. 70	0		0	100
0.0059	0.149	No. 100	15		15	85
0.0041	0.105	No. 140	81		81	19
0.0029	0.074	No. 200	97		97	3
		Pan				
Total weight in grams						

Partial percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{wt in grams of sample used for a given series of sieves}} \times 100$

Total percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{total wt in grams of oven-dry sample}} \times 100$

For an individual sieve, the percent finer by weight = percent finer than next larger sieve - percent retained on individual sieve

Remarks

Technician DRC Computed by _____ Checked by _____

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PLATE V-1

SIEVE ANALYSIS

Date 2/5/82

Project Rockport

Boring No. B1-124 Sample No. 2 (82-162)

Total wt in grams of sample, W_s = 100 | Wt in grams of material > No. 4 sieve =

Sieve Openings		U. S. Standard Sieve Size or Number	Weight Retained in grams	Percent Retained		Percent Finer by Weight
Inches	Millimeters			Partial	Total	
3.00		3-in.				
2.00		2-in.				
1.50		1-1/2-in.				
1.00	25.4	1-in.				
0.750	19.1	3/4-in.				
0.500	12.7	1/2-in.				
0.375	9.52	3/8-in.	0		0	100
0.250	6.35	No. 3				
0.187	4.76	No. 4	0		0	
		Pan				
0.132	3.36	No. 6				
0.094	2.38	No. 8				
0.079	2.00	No. 10	0	Vshell	0	
0.047	1.19	No. 16				
0.033	0.84	No. 20	0		0	
0.023	0.59	No. 30	0		0	
0.0165	0.42	No. 40	0		0	
0.0117	0.297	No. 50	0		0	
0.0083	0.210	No. 70	0		0	100
0.0059	0.149	No. 100	13		13	87
0.0041	0.105	No. 140	70		70	30
0.0029	0.074	No. 200	88		88	12
		Pan				
Total weight in grams						

Partial percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{wt in grams of sample used for a given series of sieves}} \times 100$

Total percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{total wt in grams of oven-dry sample}} \times 100$

For an individual sieve, the percent finer by weight = percent finer than next larger sieve - percent retained on individual sieve

Remarks

Technician PRC Computed by [signature] Checked by

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PLATE V-1

SIEVE ANALYSIS

Date 2/5/82

Project Rockpont

Boring No. 81-124 Sample No. 3 (82-163)

Total wt in grams of sample, W_s = 100 | Wt in grams of material > No. 4 sieve =

Sieve Openings		U. S. Standard Sieve Size or Number	Weight Retained in grams	Percent Retained		Percent Finer by Weight
Inches	Millimeters			Partial	Total	
3.00		3-in.				
2.00		2-in.				
1.50		1-1/2-in.				
1.00	25.4	1-in.				
0.750	19.1	3/4-in.				
0.500	12.7	1/2-in.				
0.375	9.52	3/8-in.	0		0	100
0.250	6.35	No. 3				
0.187	4.76	No. 4	0		0	
		Pan				
0.132	3.36	No. 6				
0.094	2.38	No. 8				
0.079	2.00	No. 10	0		0	
0.047	1.19	No. 16				
0.033	0.84	No. 20	0		0	
0.023	0.59	No. 30	0		0	
0.0165	0.42	No. 40	0		0	
0.0117	0.297	No. 50	0		0	
0.0083	0.210	No. 70	0		0	100
0.0059	0.149	No. 100	13		13	87
0.0041	0.105	No. 140	75		75	25
0.0029	0.074	No. 200	93		93	7
		Pan				
Total weight in grams						

Partial percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{wt in grams of sample used for a given series of sieves}} \times 100$

Total percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{total wt in grams of oven-dry sample}} \times 100$

For an individual sieve, the percent finer by weight = percent finer than next larger sieve - percent retained on individual sieve

Remarks

Technician DRC Computed by [signature] Checked by

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PLATE V-1

SIEVE ANALYSIS

Date 2/5/82

Project Rock Point

Boring No. B1 - 124 Sample No. 4 (82-169)

Total wt in grams of sample, W_s = 100 | Wt in grams of material > No. 4 sieve =

Sieve Openings		U. S. Standard Sieve Size or Number	Weight Retained in grams	Percent Retained		Percent Finer by Weight
Inches	Millimeters			Partial	Total	
3.00		3-in.				
2.00		2-in.				
1.50		1-1/2-in.				
1.00	25.4	1-in.				
0.750	19.1	3/4-in.				
0.500	12.7	1/2-in.				
0.375	9.52	3/8-in.	0		0	100
0.250	6.35	No. 3				
0.187	4.76	No. 4	0		0	
		Pan				
0.132	3.36	No. 6				
0.094	2.38	No. 8				
0.079	2.00	No. 10	0	✓	0	
0.047	1.19	No. 16	0	✓	0	
0.033	0.84	No. 20	0	✓	0	
0.023	0.59	No. 30	0		0	100
0.0165	0.42	No. 40	1		1	99
0.0117	0.297	No. 50	1		1	99
0.0083	0.210	No. 70	2		2	98
0.0059	0.149	No. 100	16		16	84
0.0041	0.105	No. 140	77		77	23
0.0029	0.074	No. 200	95		95	5
		Pan				
Total weight in grams						

Partial percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{wt in grams of sample used for a given series of sieves}} \times 100$

Total percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{total wt in grams of oven-dry sample}} \times 100$

For an individual sieve, the percent finer by weight = percent finer than next larger sieve - percent retained on individual sieve

Remarks

Technician DRC Computed by MLY Checked by

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PLATE V-1

SIEVE ANALYSIS

Date 2/5/82

Project Rockport

Boring No. 81-124 Sample No. 5 (82-165)

Total wt in grams of sample, W_s = 100 | Wt in grams of material > No. 4 sieve =

Sieve Openings		U. S. Standard Sieve Size or Number	Weight Retained in grams	Percent Retained		Percent Finer by Weight
Inches	Millimeters			Partial	Total	
3.00		3-in.				
2.00		2-in.				
1.50		1-1/2-in.				
1.00	25.4	1-in.				
0.750	19.1	3/4-in.				
0.500	12.7	1/2-in.				
0.375	9.52	3/8-in.	0		0	100
0.250	6.35	No. 3				
0.187	4.76	No. 4	0		0	
		Pan				
0.132	3.36	No. 6				
0.094	2.38	No. 8				
0.079	2.00	No. 10	0	✓	0	
0.047	1.19	No. 16				
0.033	0.84	No. 20	0	✓	0	
0.023	0.59	No. 30	0		0	
0.0165	0.42	No. 40	0		0	100
0.0117	0.297	No. 50	1		1	99
0.0083	0.210	No. 70	1		1	99
0.0059	0.149	No. 100	8		8	92
0.0041	0.105	No. 140	62		62	38
0.0029	0.074	No. 200	87		87	13
		Pan				
Total weight in grams						

4-5-82 MC

Partial percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{wt in grams of sample used for a given series of sieves}} \times 100$

Total percent retained = $\frac{\text{wt in grams retained on a sieve}}{\text{total wt in grams of oven-dry sample}} \times 100$

For an individual sieve, the percent finer by weight = percent finer than next larger sieve - percent retained on individual sieve

Remarks

Technician DRC Computed by MC Checked by

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PLATE V-1

Hole No. 81-124

DRILLING LOG

DIVISION: SLW

INSTALLATION: Gulf Port

SHEET 1 OF 1 SHEETS

1. PROJECT: Rock Point Reef Basin

2. LOCATION (Coordinates or Station):

3. DRILLING AGENCY: U.S.C.E.C.

4. HOLE NO. (As shown on drawing title and file number): ~~81-HD~~ 81-124

5. NAME OF DRILLER: Crawford

6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.

7. THICKNESS OF OVERBURDEN:

8. DEPTH DRILLED INTO ROCK:

9. TOTAL DEPTH OF HOLE: 15'

10. SIZE AND TYPE OF BIT:

11. DATUM FOR ELEVATION SHOWN (TBM or MSL):

12. MANUFACTURER'S DESIGNATION OF DRILL: 550 - H.D. - D.D

13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3-J; UNDISTURBED 2-C.L

14. TOTAL NUMBER CORE BOXES:

15. ELEVATION GROUND WATER:

16. DATE HOLE: STARTED 8 Dec 81; COMPLETED

17. ELEVATION TOP OF HOLE:

18. TOTAL CORE RECOVERY FOR BORING: %

19. SIGNATURE OF INSPECTOR:

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY (Rec.) e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			0.0 to 7.0			
			white SAND			
		3"SL			1-J	
	7.5	—	7.0 to 8.5			
			GR. SN. CLCAY Mel	.50	2-C	
	10.0	—	8.5 to 12.5			
			GR. SD w/SHELL		3-J	
	12.5		12.5 to 15.0		4-J	
			GR. SN. CL CAY			
	15.0		Med	.50	5-C	
			Bo Hole @ 15'			