

Grain size distribution plot for Test Report No. 1. The graph shows Percent Finer (0-100) versus Grain Size in mm (200 to 0.001). The curve starts at 100% finer for 200 mm and drops sharply between 0.425 mm and 0.075 mm, reaching 0% finer at 0.075 mm.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
4.25	93
3.75	92
3.0	90
2.5	89
2.0	88
1.5	87
1.18	86
0.85	82
0.75	78
0.60	45
0.50	35
0.425	30
0.375	29
0.30	28
0.25	25
0.20	15
0.15	5
0.125	2
0.106	1
0.075	0
0.060	0
0.050	0
0.0425	0
0.0375	0
0.030	0
0.025	0
0.020	0
0.015	0
0.0125	0
0.0106	0
0.0085	0
0.0075	0
0.0060	0
0.0050	0
0.00425	0
0.00375	0
0.0030	0
0.0025	0
0.0020	0
0.0015	0
0.00125	0
0.00106	0
0.00085	0
0.00075	0

Project No.: 16622-04 Project: USACE-CORPUS CHRISTI ● Location: CC-R-00-03B Date: 03/27/00	Remarks: Station 140400
GRAIN SIZE DISTRIBUTION TEST REPORT ANACON, INC.	Figure No. _____

Date: 03/27/00
Project No.: 16622-04
Project: USACE-CORPUS CHRISTI

Sample Data

Location of Sample: CC-R-00-03B
Sample Description: SHELL&SAND
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

	Initial		
Dry sample and tare=	84.34		
Tare =	0.00		
Dry sample weight =	84.34		
Sieve tare method			
Sieve	Weight retained	Sieve tare	Percent finer
# 4	4.77	0.00	94.3
# 10	2.62	0.00	91.2
# 20	2.00	0.00	88.9
# 40	4.48	0.00	83.6
# 60	10.24	0.00	71.4
# 70	20.87	0.00	46.7
# 100	13.66	0.00	30.5
# 140	0.41	0.00	30.0
# 200	11.55	0.00	16.3

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 91.2
Weight of hydrometer sample: 84.34
Calculated biased weight= 92.44
Automatic temperature correction
Composite correction at 20 deg C =-2.5

Meniscus correction only= 1
Specific gravity of solids= 2.63
Specific gravity correction factor= 1.005

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
2.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0363	-0.1
4.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0257	-0.1
30.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0094	-0.1
60.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0066	-0.1
120.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0047	-0.1
240.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0033	-0.1
1440.0	25.5	1.0	-0.0	0.0128	2.0	16.0	0.0014	-0.1

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 5.7 % SAND = 78.1

% FINES = 16.2

D85= 0.57 D60= 0.231 D50= 0.217

D30= 0.1434 D15= 0.07269 D10= 0.06397

Cc = 1.3916 Cu = 3.6099

WATER QUALITY DATA

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Project: **Corpus Christi Ship Channel - Rincon Canal**EHA Job #: **DO 0028**Date(s) Collected: 03/23/2000Tide, MLT: HighWind Direction: SSEWind Speed: 20-25 mph, gustyWeather and Water Conditions: Cloudy, rough, white caps, waves 2-3'

Sample Number	CC-R-00-GS130*	CC-R-00-03B	CC-R-00-GS145*	CC-R-00-GS150*	CC-RA-00-01A	CC-RA-00-01B	CC-RA-00-02	CC-RA-00-02A	
Station	130+00	140+00	145+00	150+00	10+00	30+00	50+00	68+00	
Distance From C _L (Ft.)	25' SW	25' NE	25' NE	0	0	0	0	0	
Water Depth MLT (Ft.)	6	6	12	15	12	14.5	14	14	
DO (mg/L)	7.13	6.95	6.88	6.68	6.74	6.40	5.85	6.26	
pH	8.1	8.07	8.08	8.08	8.08	8.11	8.1	8.02	
Salinity (‰)	33.41	33.32	33.09	33.16	33.26	33.49	33.65	33.38	
Water Temp. (°C)	22.46	22.53	22.13	22.23	22.1	22.04	22.09	20.96	
Air Temp. (°C)	73	73	73	73	73	72	72	72	
Lat	27 50 12.3	27 50 25.15	27 50 27.52	27 50 30.09	27 50 27.24	27 50 09.45	27 49 51.23	27 49 39.3	
Long	97 22 27.5	97 22 38.71	97 22 40.64	97 22 43.31	97 22 54.82	97 23 07.53	97 23 15.72	97 23 28.7	
Time	1300	1230	1200	1150	1109	1056	1030	1007	

REMARKS: *Sediment for Grain-Size analysis only.