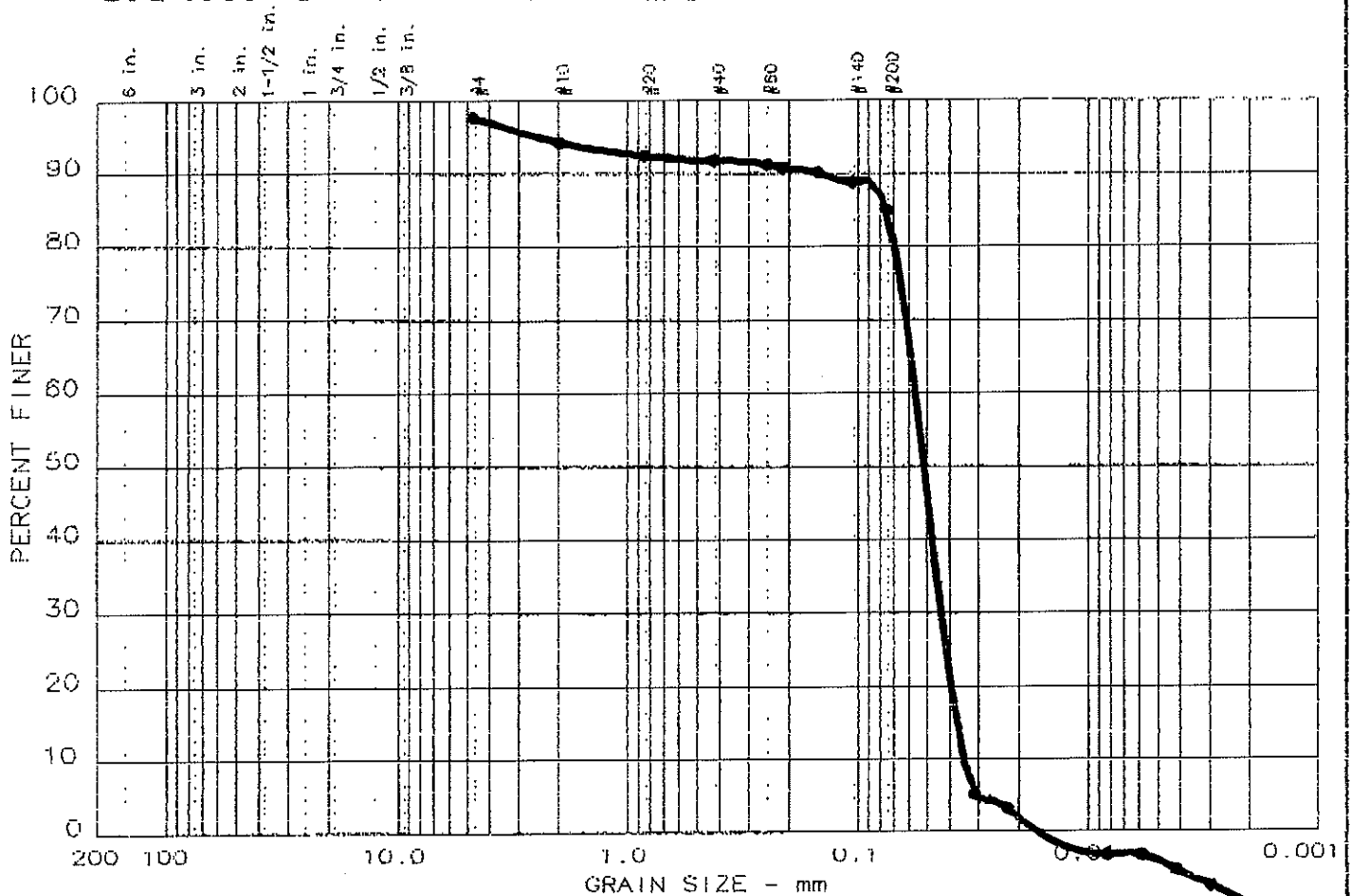


GRAIN SIZE DISTRIBUTION TEST REPORT



Date: 11 APRIL 2000
Project No.: 16665-02
Project: USACE GALVESTON

Sample Data

Location of Sample: CC R 00 01B CORPUS CHRISTI
Sample Description: SEDIMENT
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks: Sieve 4,10,20,40,60 - Shells

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 44.84
Tare = 0.00
Dry sample weight = 44.84
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	0.99	0.00	97.8
# 10	1.56	0.00	94.3
# 20	0.84	0.00	92.4
# 40	0.31	0.00	91.7
# 60	0.23	0.00	91.2
# 70	0.25	0.00	90.7
# 100	0.27	0.00	90.1
# 140	0.60	0.00	88.7
# 200	1.73	0.00	84.9

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 94.3
Weight of hydrometer sample: 44.84
Calculated biased weight= 47.54
Automatic temperature correction
Composite correction at 20 deg C =-25

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	26.0	2.5	0.0128	27.0	11.9	0.0313	5.2
4.0	25.5	25.0	1.5	0.0128	26.0	12.0	0.0223	3.1
30.0	25.5	22.0	-1.5	0.0128	23.0	12.5	0.0083	-3.3
60.0	25.5	22.0	-1.5	0.0128	23.0	12.5	0.0059	-3.3
120.0	25.5	21.0	-2.5	0.0128	22.0	12.7	0.0042	-5.4
240.0	25.5	20.0	-3.5	0.0128	21.0	12.9	0.0030	-7.5
1440.0	25.5	17.0	-6.5	0.0128	18.0	13.3	0.0012	%-13.83322

36411

Fractional Components

Gravel/Sand based on #4 sieve

Sand/Fines based on #200 sieve

% + 3 in. = 0.0 % GRAVEL = 2.2 % SAND = 12.9

% SILT = 89.0 % CLAY = -4.1

D85= 0.07 D60= 0.056 D50= 0.052

D30= 0.0434 D15= 0.03720 D10= 0.03471

Cc = 0.9649 Cu = 1.6162

Lynne Graham's report

WATER QUALITY DATA

P

Project: **Corpus Christi Ship Channel - Rincon Canal**

EHA Job #: **DO 0028**

Date(s) Collected: 3/23/2000 4/5/2000

Tide, MLT: High

Wind Direction: SSE S

Wind Speed: 20-25 mph, gusty

Weather and Water Conditions: Cloudy and rough clear skies, calm to slightly choppy

Sample Number	CC-R-00-01A	CC-R-00-01B	CC-R-00-02A	CC-R-00-02B	CC-R-00-03	CC-R-00-GS110*	CC-R-00-GS115*	CC-R-00-03A
Station	20+00	40+00	60+00	80+00	100+00	110+00	115+00	120+00
Distance From C _L (Ft.)	0	0	0	0	0	0	0	0
Water Depth MLT (Ft.)	15.2	14	13	16	15	12	13	15.5
DO (mg/L)	6.93	6.92	7.07	7.28	7.28	7.03	6.75	6.72
pH	8.03	8.03	8.03	8.13	8.13	8.13	8.1	8.1
Salinity (‰)	33.43	33.26	33.13	33.6	33.8	34	33.39	33.5
Water Temp. (°C)	21.8	21.63	21.15	22.22	22.2	22.31	22.31	22.29
Air Temp. (°C)	21.1	21.1	21.6	75	75	75	74	72
Lat	27 48'53.34"	27 49'07.61"	27 49'23.17"	27 49 54.00"	27 49 53.51"	27 50 01.37"	27 50 05.03"	27 50 09.4"
Long	97 21'12.98"	97 21'28.14"	97 21'41.58"	97 22 10.23"	97 22 09.73"	97 22 17.03"	97 22 20.63"	97 22 24.2"
Time	917	950	1017	1530	1550	1600	1607	1200