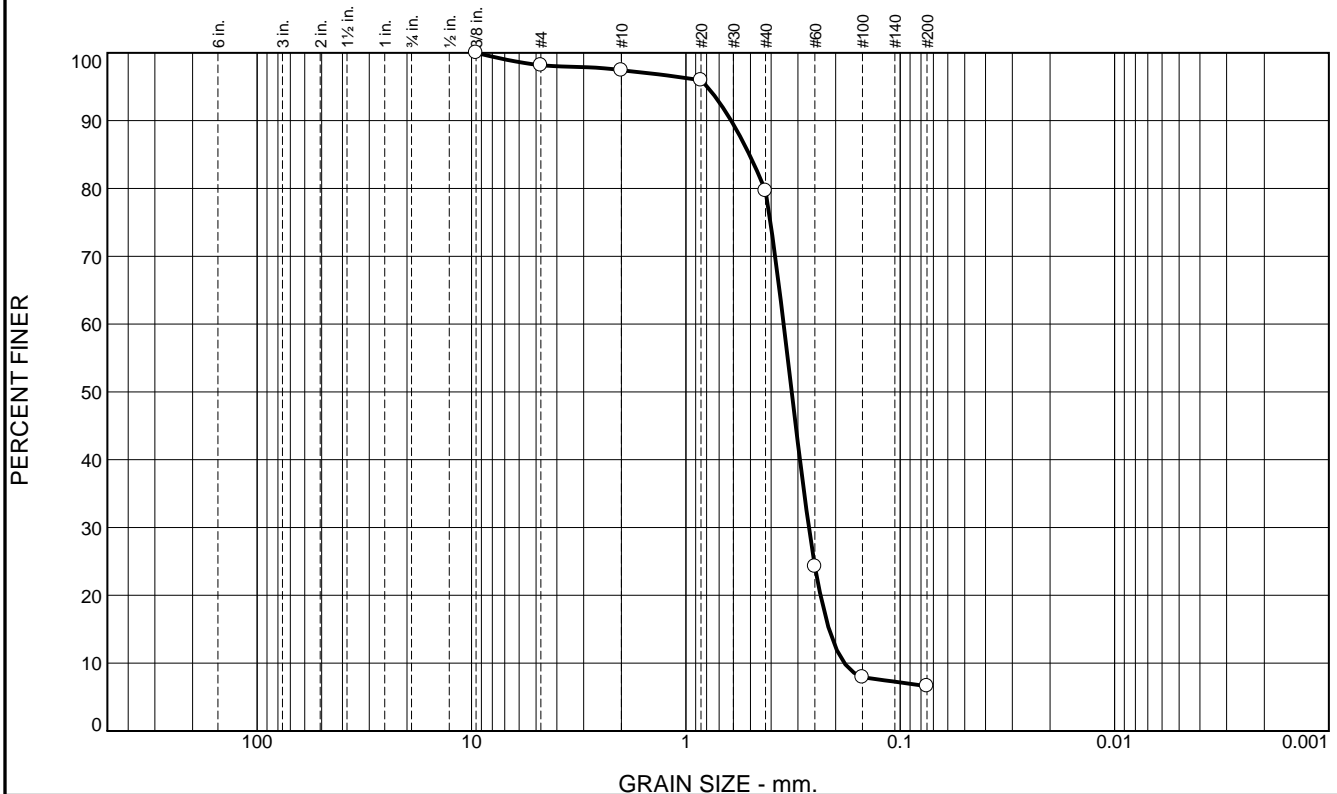


Particle Size Distribution Report



| % +3" | % Gravel | | % Sand | | | % Fines | |
|-------|----------|------|--------|--------|------|---------|------|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 1.8 | 0.8 | 17.7 | 73.1 | 6.6 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| .375 | 100.0 | | |
| #4 | 98.2 | | |
| #10 | 97.4 | | |
| #20 | 95.9 | | |
| #40 | 79.7 | | |
| #60 | 24.3 | | |
| #100 | 7.9 | | |
| #200 | 6.6 | | |

* (no specification provided)

Material Description

Slightly silty SAND (SP-SM), medium to fine grained

Atterberg Limits

PL=

LL=

PI=

Coefficients

D₉₀= 0.6143

D₈₅= 0.5054

D₆₀= 0.3499

D₅₀= 0.3209

D₃₀= 0.2669

D₁₅= 0.2148

D₁₀= 0.1822

C_u= 1.92

C_c= 1.12

Classification

USCS= SP-SM

AASHTO=

Remarks

Location: USACE Sample # BI-PB-135A-11
Sample Number: TE Lab ID: 5054.113

Depth: 0.0 - 2.0 (ft)

Date: 7/18/11

Thompson Engineering

Mobile, Alabama

Client: US Army Corps of Engineers

Project: Contract No. W91278-10-D-0026 - Task 009
Mississippi Barrier Island Restoration Project

Project No: 11-2116-0057

Figure