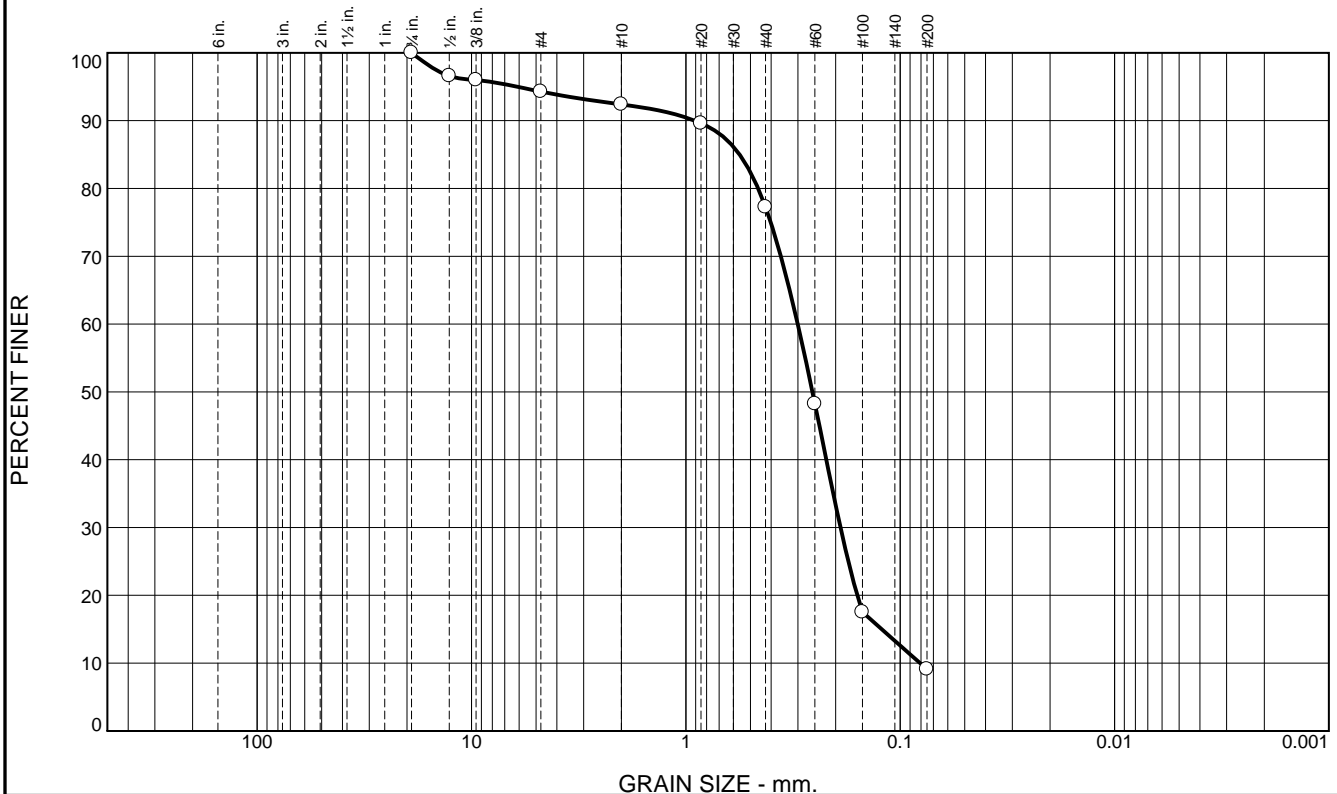


# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 5.7  | 1.9    | 15.1   | 68.2 | 9.1     |      |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| .75        | 100.0         |                |              |
| .5         | 96.6          |                |              |
| .375       | 96.0          |                |              |
| #4         | 94.3          |                |              |
| #10        | 92.4          |                |              |
| #20        | 89.6          |                |              |
| #40        | 77.3          |                |              |
| #60        | 48.2          |                |              |
| #100       | 17.5          |                |              |
| #200       | 9.1           |                |              |

\* (no specification provided)

## Material Description

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

## Atterberg Limits

PL= LL= PI=

## Coefficients

D<sub>90</sub>= 0.9113 D<sub>85</sub>= 0.5612 D<sub>60</sub>= 0.3009  
D<sub>50</sub>= 0.2568 D<sub>30</sub>= 0.1898 D<sub>15</sub>= 0.1219  
D<sub>10</sub>= 0.0808 C<sub>u</sub>= 3.72 C<sub>c</sub>= 1.48

## Classification

USCS= SP-SM AASHTO=

## Remarks

Location: USACE Sample # BI-PB-140A-11  
Sample Number: TE Lab ID: 5054.131

Depth: 0.0- 1.5 (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