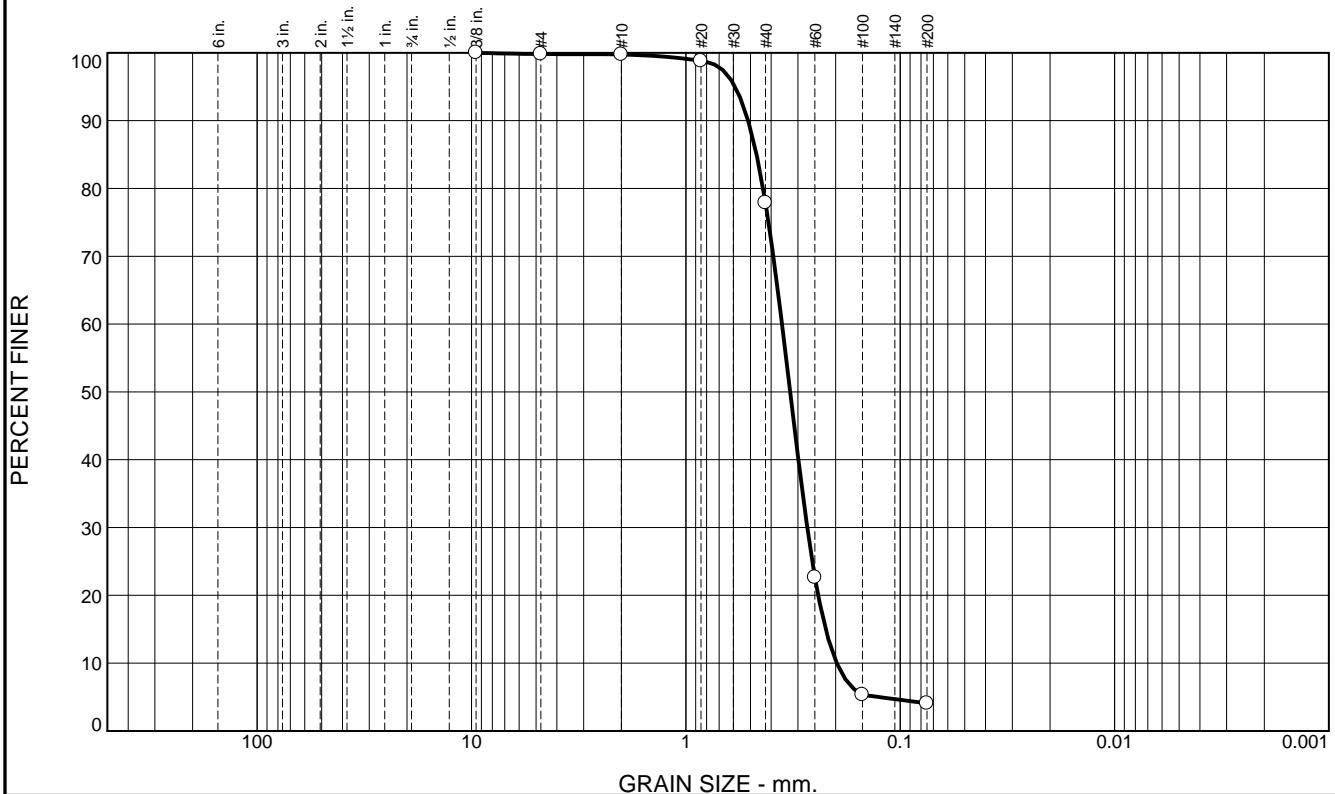


Particle Size Distribution Report



| % +3" | % Gravel | | % Sand | | | % Fines | |
|-------|----------|------|--------|--------|------|---------|------|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.2 | 0.0 | 21.9 | 73.8 | 4.1 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| .375 | 100.0 | | |
| #4 | 99.8 | | |
| #10 | 99.8 | | |
| #20 | 98.8 | | |
| #40 | 77.9 | | |
| #60 | 22.6 | | |
| #100 | 5.3 | | |
| #200 | 4.1 | | |

* (no specification provided)

| | | |
|---|--------------------------|--------------------------|
| <u>Material Description</u> | | |
| SAND (SP), medium to fine grained | | |
| <u>Atterberg Limits</u> | | |
| PL= | LL= | PI= |
| <u>Coefficients</u> | | |
| D ₉₀ = 0.5122 | D ₈₅ = 0.4678 | D ₆₀ = 0.3562 |
| D ₅₀ = 0.3263 | D ₃₀ = 0.2716 | D ₁₅ = 0.2227 |
| D ₁₀ = 0.1977 | C _u = 1.80 | C _c = 1.05 |
| <u>Classification</u> | | |
| USCS= SP | AASHTO= | |
| <u>Remarks</u> | | |
| There are two samples marked BI-PB-144A-11, 0 - 4 ft and no sample marked BI-PB-145A-11. Both samples were tested and marked BI-PB-144A-1-11 and BI-PB-144A-2-11. | | |

Location: USACE Sample # BI-PB-144A-2-11
Sample Number: TE Lab ID: 5054.145

Should be labeled BI-PB-145A-11
Depth: 0.0 - 4.0 (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