

Granularmetric Report

Depths and elevations based on measured values



715-E North Dr.
Melbourne, Fl. 32934
Phone (321) 751-1135
Fax (321) 751-2343

Project Name: Gulf County Supplemental

Sample Name: C-406 #2

Analysis Date: 08-14-06

Analyzed By: JV

| | | | |
|-------------------------------------|-------------------------------------|--|---|
| Easting (ft): 1,681,179.1 | Northing (ft): 252,959.01 | Coordinate System: Florida State Plane North | Elevation (ft): -36.9 NAVD 88 |
|-------------------------------------|-------------------------------------|--|---|

| | | |
|--------------------|-----------------------------------|-----------|
| USCS: SP | Munsell: Wet - 10YR-7/1 | Comments: |
|--------------------|-----------------------------------|-----------|

| | | | | | | | |
|----------------------------------|------------------|----------------------------------|-----------------|--|---------------|-----------------|-------------|
| Dry Weight (g): 102.73 | Wash Weight (g): | Pan Retained (g): 1.47 | Sieve Loss (%): | Fines (%): #200 - 2.39 #230 - 1.68 | Organics (%): | Carbonates (%): | Shells (%): |
|----------------------------------|------------------|----------------------------------|-----------------|--|---------------|-----------------|-------------|

| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 5/8" | -4.00 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11/16" | -3.50 | 11.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5/16" | -3.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3.5 | -2.50 | 5.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | -2.25 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | -2.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | -1.50 | 2.83 | 0.04 | 0.04 | 0.04 | 0.04 |
| 10 | -1.00 | 2.00 | 0.04 | 0.04 | 0.08 | 0.08 |
| 14 | -0.50 | 1.41 | 0.24 | 0.23 | 0.32 | 0.31 |
| 18 | 0.00 | 1.00 | 0.50 | 0.49 | 0.82 | 0.80 |
| 25 | 0.50 | 0.71 | 0.68 | 0.66 | 1.50 | 1.46 |
| 35 | 1.00 | 0.50 | 1.26 | 1.23 | 2.76 | 2.69 |
| 45 | 1.50 | 0.35 | 3.02 | 2.94 | 5.78 | 5.63 |
| 60 | 2.00 | 0.25 | 8.69 | 8.46 | 14.47 | 14.09 |
| 80 | 2.50 | 0.18 | 26.89 | 26.18 | 41.36 | 40.27 |
| 120 | 3.00 | 0.13 | 50.45 | 49.11 | 91.81 | 89.38 |
| 170 | 3.50 | 0.09 | 7.42 | 7.22 | 99.23 | 96.60 |
| 200 | 3.75 | 0.07 | 1.04 | 1.01 | 100.27 | 97.61 |
| 230 | 4.00 | 0.06 | 0.73 | 0.71 | 101.00 | 98.32 |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

| | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| 3.39 | 2.95 | 2.85 | 2.60 | 2.21 | 2.04 | 1.39 |

| | | | | | |
|------------|----------|---------|---------|----------|----------|
| Moment | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Statistics | 2.47 | 0.18 | 0.6 | -1.75 | 9.14 |

GRANULARMETRIC REPORT GULF COUNTY SUPPLEMENTAL.GPJ FL DEP ROSS.GDT 12/5/07