

## Gradation Analysis Report

Project Name: MARCO PASS SHOAL

Sample Name: MPVC-03-07 S#1

Sample Date: 04/03/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

2481 N.W. Boca Raton Blvd.  
Boca Raton, FL 33431

|                    |                     |   |                                  |
|--------------------|---------------------|---|----------------------------------|
| Easting:<br>407922 | Northing:<br>599232 | Coordinate System:<br>State Plane 1983 FL East Feet | Elevation:<br>-12 NGVD 1929 Feet |
|--------------------|---------------------|---|----------------------------------|

|             |                       |                       |           |
|-------------|-----------------------|-----------------------|-----------|
| USCS:<br>SP | Dry Munsel:<br>5Y-7/1 | Wet Munsel:<br>5Y-6/1 | Comments: |
|-------------|-----------------------|-----------------------|-----------|

|                      |                    |                     |                       |  |
|----------------------|--------------------|---------------------|-----------------------|--|
| Dry Weight:<br>52.46 | Wash Weight:<br>51 | Sieve Loss:<br>0.05 | Percent Silt:<br>3.26 | Estimated Percent Shell Content:<br>1.41 |
|----------------------|--------------------|---------------------|-----------------------|--|

| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4          | -4.25            | 19.02                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/8          | -4.00            | 16.00                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/16         | -3.25            | 9.51                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 4            | -3.00            | 8.00                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5            | -2.00            | 4.00                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 7            | -1.50            | 2.82                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 10           | -1.00            | 2.00                     | 0.04           | 0.08              | 0.04                | 0.08                 |
| 14           | -0.50            | 1.41                     | 0.03           | 0.06              | 0.07                | 0.13                 |
| 18           | 0.00             | 1.00                     | 0.04           | 0.08              | 0.11                | 0.21                 |
| 25           | 0.50             | 0.70                     | 0.09           | 0.17              | 0.20                | 0.38                 |
| 35           | 1.00             | 0.50                     | 0.07           | 0.13              | 0.27                | 0.51                 |
| 45           | 1.50             | 0.35                     | 0.13           | 0.25              | 0.40                | 0.76                 |
| 60           | 2.00             | 0.25                     | 0.32           | 0.61              | 0.72                | 1.37                 |
| 80           | 2.50             | 0.17                     | 1.81           | 3.45              | 2.53                | 4.82                 |
| 120          | 3.00             | 0.12                     | 23.26          | 44.34             | 25.79               | 49.16                |
| 170          | 3.50             | 0.08                     | 22.02          | 41.97             | 47.81               | 91.14                |
| 200          | 3.75             | 0.07                     | 2.24           | 4.27              | 50.05               | 95.41                |
| 230          | 4.00             | 0.06                     | 0.70           | 1.33              | 50.75               | 96.74                |
| Pan          | Pan              | Pan                      | 1.66           | 3.16              | 52.41               | 99.90                |

|       |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| 2.5   | 2.63   | 2.73   | 3.01   | 3.31   | 3.41   | 3.73   |

|            |          |         |         |          |          |
|------------|----------|---------|---------|----------|----------|
| Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Graphic    | 3.06     | 0.12    | 0.38    | 0.16     | 0.86     |
| Moment     | 3.04     | 0.12    | 0.46    | 0.21     | 1.43     |

## Gradation Analysis Report

Project Name: MARCO PASS SHOAL

Sample Name: MPVC-03-07 S#2

Sample Date: 04/03/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

2481 N.W. Boca Raton Blvd.  
Boca Raton, FL 33431

|                    |                     |   |                                    |
|--------------------|---------------------|---|------------------------------------|
| Easting:<br>407922 | Northing:<br>599232 | Coordinate System:<br>State Plane 1983 FL East Feet | Elevation:<br>-13.5 NGVD 1929 Feet |
|--------------------|---------------------|---|------------------------------------|

|             |                       |                       |           |
|-------------|-----------------------|-----------------------|-----------|
| USCS:<br>SM | Dry Munsel:<br>5Y-6/1 | Wet Munsel:<br>5Y-6/1 | Comments: |
|-------------|-----------------------|-----------------------|-----------|

|                      |                       |                     |                       |  |
|----------------------|-----------------------|---------------------|-----------------------|--|
| Dry Weight:<br>49.47 | Wash Weight:<br>44.32 | Sieve Loss:<br>0.01 | Percent Silt:<br>11.3 | Estimated Percent Shell Content:<br>2.51 |
|----------------------|-----------------------|---------------------|-----------------------|--|

| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4          | -4.25            | 19.02                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/8          | -4.00            | 16.00                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/16         | -3.25            | 9.51                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 4            | -3.00            | 8.00                     | 0.26           | 0.53              | 0.26                | 0.53                 |
| 5            | -2.00            | 4.00                     | 0.11           | 0.22              | 0.37                | 0.75                 |
| 7            | -1.50            | 2.82                     | 0.18           | 0.36              | 0.55                | 1.11                 |
| 10           | -1.00            | 2.00                     | 0.06           | 0.12              | 0.61                | 1.23                 |
| 14           | -0.50            | 1.41                     | 0.07           | 0.14              | 0.68                | 1.37                 |
| 18           | 0.00             | 1.00                     | 0.08           | 0.16              | 0.76                | 1.54                 |
| 25           | 0.50             | 0.70                     | 0.18           | 0.36              | 0.94                | 1.90                 |
| 35           | 1.00             | 0.50                     | 0.13           | 0.26              | 1.07                | 2.16                 |
| 45           | 1.50             | 0.35                     | 0.26           | 0.53              | 1.33                | 2.69                 |
| 60           | 2.00             | 0.25                     | 0.56           | 1.13              | 1.89                | 3.82                 |
| 80           | 2.50             | 0.17                     | 1.73           | 3.50              | 3.62                | 7.32                 |
| 120          | 3.00             | 0.12                     | 14.67          | 29.65             | 18.29               | 36.97                |
| 170          | 3.50             | 0.08                     | 19.11          | 38.63             | 37.40               | 75.60                |
| 200          | 3.75             | 0.07                     | 4.42           | 8.93              | 41.82               | 84.54                |
| 230          | 4.00             | 0.06                     | 2.06           | 4.16              | 43.88               | 88.70                |
| Pan          | Pan              | Pan                      | 5.58           | 11.28             | 49.46               | 99.98                |

|       |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| 2.17  | 2.65   | 2.8    | 3.17   | 3.49   | 3.74   | 4.14   |

|            |          |         |         |          |          |
|------------|----------|---------|---------|----------|----------|
| Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Graphic    | 3.17     | 0.11    | 0.57    | 0.00     | 1.16     |
| Moment     | 3.16     | 0.11    | 0.68    | -0.01    | 1.63     |

## Gradation Analysis Report

Project Name: MARCO PASS SHOAL

Sample Name: MPVC-03-07 S#3

Sample Date: 04/03/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

2481 N.W. Boca Raton Blvd.  
Boca Raton, FL 33431

|                    |                     |   |                                    |
|--------------------|---------------------|---|------------------------------------|
| Easting:<br>407922 | Northing:<br>599232 | Coordinate System:<br>State Plane 1983 FL East Feet | Elevation:<br>-14.5 NGVD 1929 Feet |
|--------------------|---------------------|---|------------------------------------|

|             |                       |                       |           |
|-------------|-----------------------|-----------------------|-----------|
| USCS:<br>SM | Dry Munsel:<br>5Y-6/1 | Wet Munsel:<br>5Y-6/1 | Comments: |
|-------------|-----------------------|-----------------------|-----------|

|                      |                      |                     |                        |   |
|----------------------|----------------------|---------------------|------------------------|---|
| Dry Weight:<br>57.28 | Wash Weight:<br>50.9 | Sieve Loss:<br>0.06 | Percent Silt:<br>11.38 | Estimated Percent Shell Content:<br>39.67 |
|----------------------|----------------------|---------------------|------------------------|---|

| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4          | -4.25            | 19.02                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/8          | -4.00            | 16.00                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/16         | -3.25            | 9.51                     | 1.45           | 2.53              | 1.45                | 2.53                 |
| 4            | -3.00            | 8.00                     | 3.44           | 6.01              | 4.89                | 8.54                 |
| 5            | -2.00            | 4.00                     | 1.51           | 2.64              | 6.40                | 11.17                |
| 7            | -1.50            | 2.82                     | 3.05           | 5.32              | 9.45                | 16.50                |
| 10           | -1.00            | 2.00                     | 3.39           | 5.92              | 12.84               | 22.42                |
| 14           | -0.50            | 1.41                     | 3.32           | 5.80              | 16.16               | 28.21                |
| 18           | 0.00             | 1.00                     | 2.46           | 4.29              | 18.62               | 32.51                |
| 25           | 0.50             | 0.70                     | 1.62           | 2.83              | 20.24               | 35.34                |
| 35           | 1.00             | 0.50                     | 1.23           | 2.15              | 21.47               | 37.48                |
| 45           | 1.50             | 0.35                     | 0.86           | 1.50              | 22.33               | 38.98                |
| 60           | 2.00             | 0.25                     | 1.20           | 2.09              | 23.53               | 41.08                |
| 80           | 2.50             | 0.17                     | 4.14           | 7.23              | 27.67               | 48.31                |
| 120          | 3.00             | 0.12                     | 16.21          | 28.30             | 43.88               | 76.61                |
| 170          | 3.50             | 0.08                     | 5.44           | 9.50              | 49.32               | 86.10                |
| 200          | 3.75             | 0.07                     | 0.95           | 1.66              | 50.27               | 87.76                |
| 230          | 4.00             | 0.06                     | 0.49           | 0.86              | 50.76               | 88.62                |
| Pan          | Pan              | Pan                      | 6.46           | 11.28             | 57.22               | 99.90                |

|       |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| -3.15 | -1.55  | -0.78  | 2.53   | 2.97   | 3.39   | 4.14   |

|            |          |         |         |          |          |
|------------|----------|---------|---------|----------|----------|
| Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Graphic    | 1.07     | 0.48    | 2.34    | -0.77    | 0.80     |
| Moment     | 1.08     | 0.47    | 2.85    | -0.36    | 1.30     |

## Gradation Analysis Report

Project Name: MARCO PASS SHOAL

Sample Name: MPVC-03-07 S#4

Sample Date: 04/03/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

2481 N.W. Boca Raton Blvd.  
Boca Raton, FL 33431

|                    |                     |   |                                    |
|--------------------|---------------------|---|------------------------------------|
| Easting:<br>407922 | Northing:<br>599232 | Coordinate System:<br>State Plane 1983 FL East Feet | Elevation:<br>-15.7 NGVD 1929 Feet |
|--------------------|---------------------|---|------------------------------------|

|                |                       |                       |           |
|----------------|-----------------------|-----------------------|-----------|
| USCS:<br>SW-SM | Dry Munsel:<br>5Y-7/1 | Wet Munsel:<br>5Y-6/1 | Comments: |
|----------------|-----------------------|-----------------------|-----------|

|                      |                       |                     |                       |   |
|----------------------|-----------------------|---------------------|-----------------------|---|
| Dry Weight:<br>43.65 | Wash Weight:<br>41.74 | Sieve Loss:<br>0.02 | Percent Silt:<br>4.58 | Estimated Percent Shell Content:<br>25.99 |
|----------------------|-----------------------|---------------------|-----------------------|---|

| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4          | -4.25            | 19.02                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/8          | -4.00            | 16.00                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/16         | -3.25            | 9.51                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 4            | -3.00            | 8.00                     | 0.52           | 1.19              | 0.52                | 1.19                 |
| 5            | -2.00            | 4.00                     | 0.21           | 0.48              | 0.73                | 1.67                 |
| 7            | -1.50            | 2.82                     | 0.53           | 1.21              | 1.26                | 2.89                 |
| 10           | -1.00            | 2.00                     | 0.35           | 0.80              | 1.61                | 3.69                 |
| 14           | -0.50            | 1.41                     | 0.25           | 0.57              | 1.86                | 4.26                 |
| 18           | 0.00             | 1.00                     | 0.15           | 0.34              | 2.01                | 4.60                 |
| 25           | 0.50             | 0.70                     | 0.14           | 0.32              | 2.15                | 4.93                 |
| 35           | 1.00             | 0.50                     | 0.09           | 0.21              | 2.24                | 5.13                 |
| 45           | 1.50             | 0.35                     | 0.10           | 0.23              | 2.34                | 5.36                 |
| 60           | 2.00             | 0.25                     | 0.16           | 0.37              | 2.50                | 5.73                 |
| 80           | 2.50             | 0.17                     | 1.11           | 2.54              | 3.61                | 8.27                 |
| 120          | 3.00             | 0.12                     | 21.33          | 48.87             | 24.94               | 57.14                |
| 170          | 3.50             | 0.08                     | 14.95          | 34.25             | 39.89               | 91.39                |
| 200          | 3.75             | 0.07                     | 1.35           | 3.09              | 41.24               | 94.48                |
| 230          | 4.00             | 0.06                     | 0.41           | 0.94              | 41.65               | 95.42                |
| Pan          | Pan              | Pan                      | 1.98           | 4.54              | 43.63               | 99.95                |

|       |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| 0.68  | 2.58   | 2.67   | 2.93   | 3.26   | 3.39   | 3.89   |

|            |          |         |         |          |          |
|------------|----------|---------|---------|----------|----------|
| Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Graphic    | 2.69     | 0.15    | 0.69    | -0.82    | 2.23     |
| Moment     | 2.77     | 0.15    | 1.03    | -1.14    | 3.14     |

## Gradation Analysis Report

Project Name: MARCO PASS SHOAL

Sample Name: MPVC-03-07 S#5

Sample Date: 04/03/03

Analyzed By: ID



**Coastal Planning & Engineering, Inc.**

2481 N.W. Boca Raton Blvd.  
Boca Raton, FL 33431

|                    |                     |   |                                  |
|--------------------|---------------------|---|----------------------------------|
| Easting:<br>407922 | Northing:<br>599232 | Coordinate System:<br>State Plane 1983 FL East Feet | Elevation:<br>-17 NGVD 1929 Feet |
|--------------------|---------------------|---|----------------------------------|

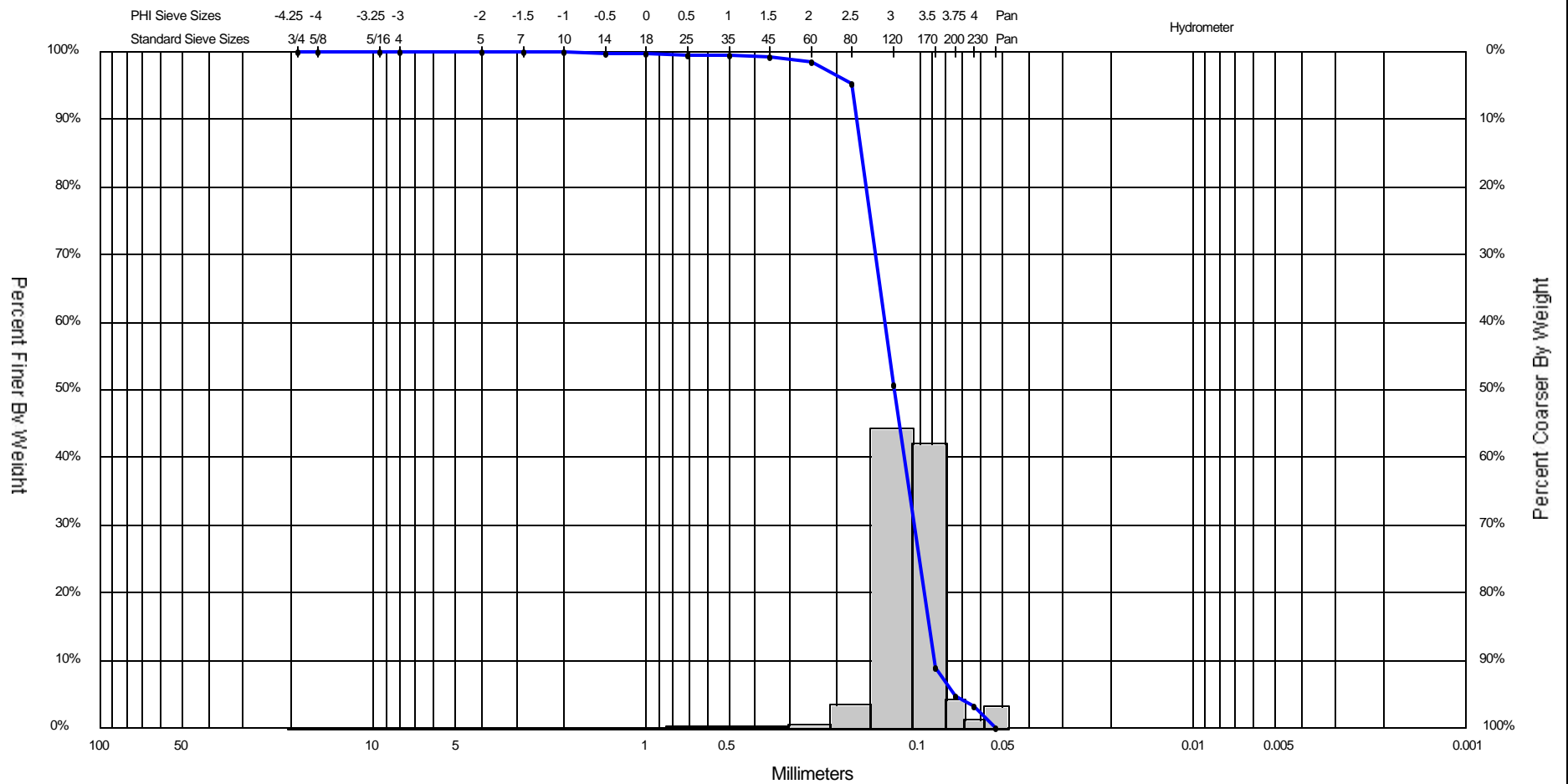
|                |                       |                       |           |
|----------------|-----------------------|-----------------------|-----------|
| USCS:<br>SW-SM | Dry Munsel:<br>5Y-6/1 | Wet Munsel:<br>5Y-6/1 | Comments: |
|----------------|-----------------------|-----------------------|-----------|

|                      |                       |                     |                       |  |
|----------------------|-----------------------|---------------------|-----------------------|--|
| Dry Weight:<br>65.88 | Wash Weight:<br>59.74 | Sieve Loss:<br>0.04 | Percent Silt:<br>9.82 | Estimated Percent Shell Content:<br>4.59 |
|----------------------|-----------------------|---------------------|-----------------------|--|


| Sieve Number | Sieve Size (Phi) | Sieve Size (Millimeters) | Grams Retained | % Weight Retained | Cum. Grams Retained | C. % Weight Retained |
|--------------|------------------|--------------------------|----------------|-------------------|---------------------|----------------------|
| 3/4          | -4.25            | 19.02                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/8          | -4.00            | 16.00                    | 0.00           | 0.00              | 0.00                | 0.00                 |
| 5/16         | -3.25            | 9.51                     | 0.00           | 0.00              | 0.00                | 0.00                 |
| 4            | -3.00            | 8.00                     | 0.32           | 0.49              | 0.32                | 0.49                 |
| 5            | -2.00            | 4.00                     | 0.04           | 0.06              | 0.36                | 0.55                 |
| 7            | -1.50            | 2.82                     | 0.12           | 0.18              | 0.48                | 0.73                 |
| 10           | -1.00            | 2.00                     | 0.27           | 0.41              | 0.75                | 1.14                 |
| 14           | -0.50            | 1.41                     | 0.33           | 0.50              | 1.08                | 1.64                 |
| 18           | 0.00             | 1.00                     | 0.18           | 0.27              | 1.26                | 1.91                 |
| 25           | 0.50             | 0.70                     | 0.14           | 0.21              | 1.40                | 2.13                 |
| 35           | 1.00             | 0.50                     | 0.11           | 0.17              | 1.51                | 2.29                 |
| 45           | 1.50             | 0.35                     | 0.09           | 0.14              | 1.60                | 2.43                 |
| 60           | 2.00             | 0.25                     | 0.51           | 0.77              | 2.11                | 3.20                 |
| 80           | 2.50             | 0.17                     | 2.05           | 3.11              | 4.16                | 6.31                 |
| 120          | 3.00             | 0.12                     | 33.46          | 50.79             | 37.62               | 57.10                |
| 170          | 3.50             | 0.08                     | 18.54          | 28.14             | 56.16               | 85.25                |
| 200          | 3.75             | 0.07                     | 2.27           | 3.45              | 58.43               | 88.69                |
| 230          | 4.00             | 0.06                     | 0.98           | 1.49              | 59.41               | 90.18                |
| Pan          | Pan              | Pan                      | 6.43           | 9.76              | 65.84               | 99.94                |

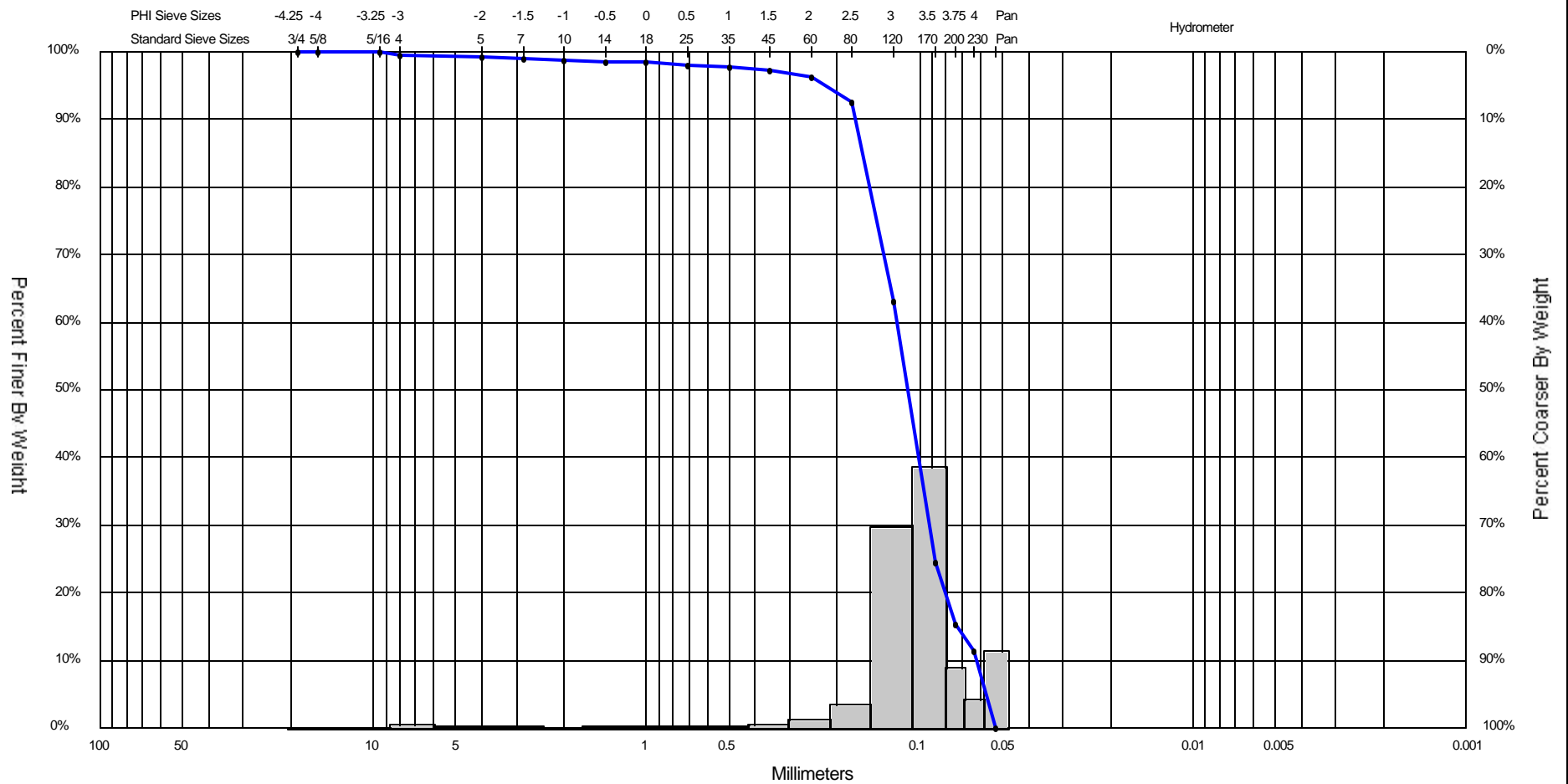
|       |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|
| Phi 5 | Phi 16 | Phi 25 | Phi 50 | Phi 75 | Phi 84 | Phi 95 |
| 2.29  | 2.6    | 2.68   | 2.93   | 3.32   | 3.48   | 4.12   |

|            |          |         |         |          |          |
|------------|----------|---------|---------|----------|----------|
| Statistics | Mean Phi | Mean mm | Sorting | Skewness | Kurtosis |
| Graphic    | 3.08     | 0.12    | 0.50    | 0.48     | 1.19     |
| Moment     | 3.06     | 0.12    | 0.62    | 0.47     | 1.90     |



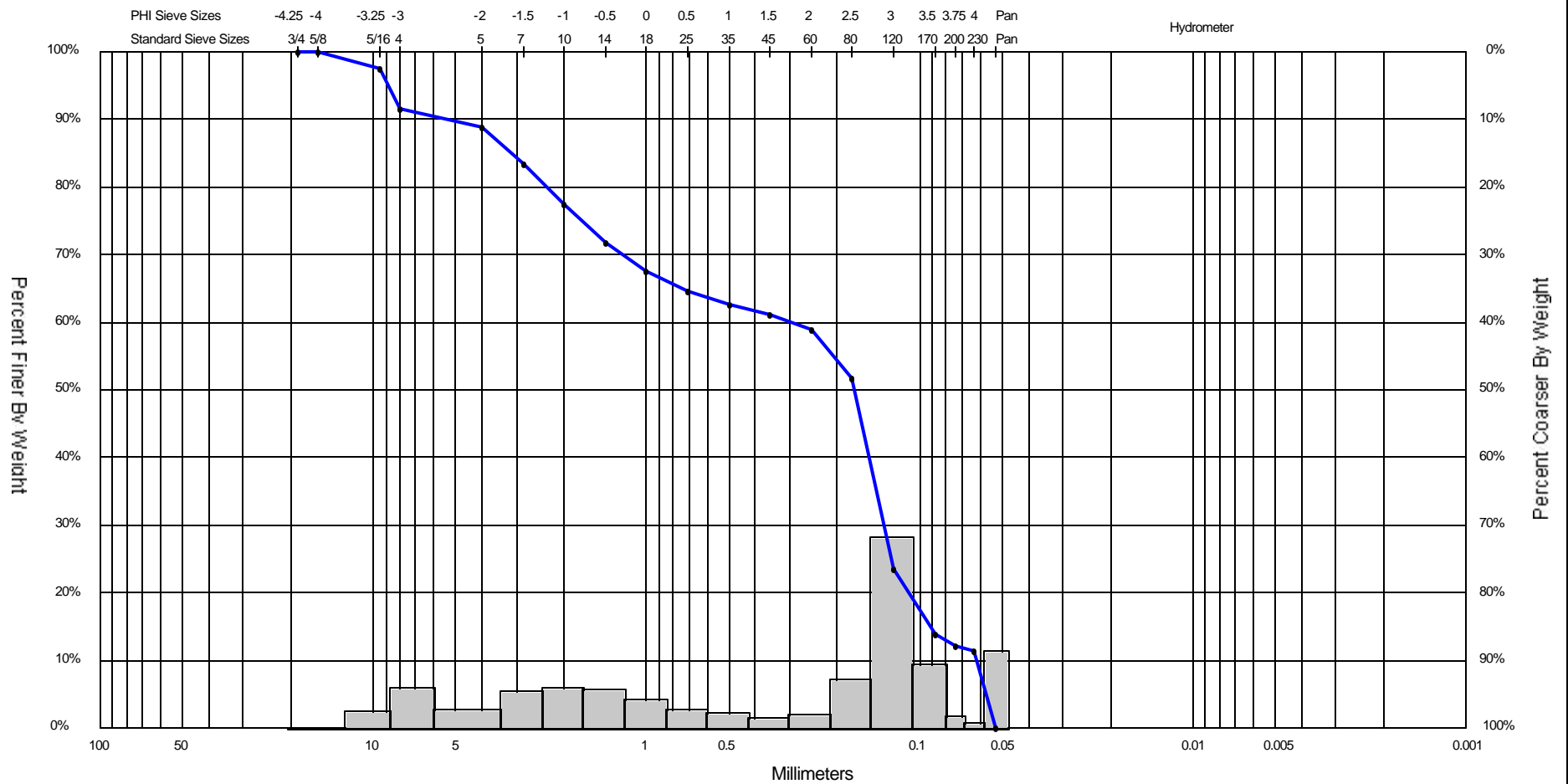
| Gravel |      | Sand   |        |      | Silt and Clay |
|--------|------|--------|--------|------|---------------|
| Coarse | Fine | Coarse | Medium | Fine |               |

| Sample  | Symbol | Elev. | Comments            | USCS | % Silt | Median | Mean | Skew | Kurt | Sort | Sample Information |                               |
|---|--------|-------|---------------------|------|--------|--------|------|------|------|------|--------------------|-------------------------------|
| MPVC-03-07 S#1  |        | -12   |                     | SP   | 3.26   | 0.12   | 0.12 | 0.21 | 1.43 | 0.46 | Project Name:      | MARCO PASS SHOAL              |
| Incremental % Weight  |        | N/A   | Use Left Hand Scale |      |        |        |      |      |      |      | Collection Date:   | 04/03/03                      |
|   |        |       |                     |      |        |        |      |      |      |      | Analyzed By:       | ID                            |
|  <div> <b>Coastal Planning &amp; Engineering, Inc.</b><br/> 2481 N.W. Boca Raton Blvd.<br/> Boca Raton, FL 33431<br/> ph 561 391-8102      fax 561 391-9116 </div> |        |       |                     |      |        |        |      |      |      |      | Easting (X):       | 407922                        |
|   |        |       |                     |      |        |        |      |      |      |      | Northing (Y):      | 599232                        |
|   |        |       |                     |      |        |        |      |      |      |      | Horizontal System: | State Plane 1983 FL East Feet |
|   |        |       |                     |      |        |        |      |      |      |      | Vertical System:   | NGVD 1929 Feet                |






| Gravel |      | Sand   |        |      | Silt and Clay |
|--------|------|--------|--------|------|---------------|
| Coarse | Fine | Coarse | Medium | Fine |               |

| Sample               | Symbol | Elev. | Comments            | USCS   | % Silt | Median | Mean | Skew  | Kurt | Sort               | Sample Information |                               |
|----------------------|--------|-------|---------------------|--|--------|--------|------|-------|------|--------------------|--------------------|-------------------------------|
| MPVC-03-07 S#2       |        | -13.5 |                     | SM   | 11.30  | 0.11   | 0.11 | -0.01 | 1.63 | 0.68               | Project Name:      | MARCO PASS SHOAL              |
| Incremental % Weight |        | N/A   | Use Left Hand Scale |  |        |        |      |       |      |                    | Collection Date:   | 04/03/03                      |
|                      |        |       |                     |  |        |        |      |       |      |                    | Analyzed By:       | ID                            |
|                      |        |       |                     | <b>Coastal Planning &amp; Engineering, Inc.</b><br>2481 N.W. Boca Raton Blvd.<br>Boca Raton, FL 33431<br>ph 561 391-8102      fax 561 391-9116 |        |        |      |       |      | Easting (X):       |                    | 407922                        |
|                      |        |       |                     |  |        |        |      |       |      | Northing (Y):      |                    | 599232                        |
|                      |        |       |                     |  |        |        |      |       |      | Horizontal System: |                    | State Plane 1983 FL East Feet |
|                      |        |       |                     |  |        |        |      |       |      | Vertical System:   |                    | NGVD 1929 Feet                |



| Gravel |      | Sand   |        |      | Silt and Clay |
|--------|------|--------|--------|------|---------------|
| Coarse | Fine | Coarse | Medium | Fine |               |

| Sample  | Symbol  | Elev. | Comments            | USCS   | % Silt | Median | Mean | Skew  | Kurt | Sort | Sample Information |                  |
|---|---|-------|---------------------|--|--------|--------|------|-------|------|------|--------------------|------------------|
| MPVC-03-07 S#3  |  | -14.5 |                     | SM   | 11.38  | 0.17   | 0.47 | -0.36 | 1.30 | 2.85 | Project Name:      | MARCO PASS SHOAL |
| Incremental % Weight  |  | N/A   | Use Left Hand Scale |  |        |        |      |       |      |      | Collection Date:   | 04/03/03         |
|   |   |       |                     |  |        |        |      |       |      |      | Analyzed By:       | ID               |
|  |   |       |                     | <b>Coastal Planning &amp; Engineering, Inc.</b><br>2481 N.W. Boca Raton Blvd.<br>Boca Raton, FL 33431<br><br>ph 561 391-8102 |        |        |      |       |      |      |                    |                  |





