LOG FOR CORE SAMPLES

MGG09005065

Project No: 488
Location: STRAIT OF PASAJE DE VIEQUES

Logged By E.V. KELLY
Date Logged 30 OCT. 1975

| | Lab. No. | Color | Calc. Mat. | Sediment Type | Remarks |
|---|---|---|---|---|---|
| Sample No: VC-1<br>Lat: 18° 9' 20" N.<br>Long: 65° 37' 50" W.<br>Date: JUNE 1975<br>Water depth: 42 Ft. | 488<br>1 | 5Y6/1 | YES | SILTY SAND | 0-8cm: STRONG SULFUR ODOR. LARGE AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARS SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-1<br>Lat: 18° 9' 20" N.<br>Long: 65° 37' 50" W<br>Date: JUNE 1975<br>Water depth: 42 Ft. | 488<br>2 | 5Y7/2 | YES | SILTY SAND | 8-15cm: LIGHT AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-1<br>Lat: 18° 9' 20" N.<br>Long: 65° 37' 50" W.<br>Date: JUNE 1975<br>Water depth: 42 Ft. | 488<br>3 | 5Y7/2 | YES | SILTY SAND | 15-23cm: SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. SEDIMENT APPEARS MUCH COARSER THAN 0-15 CM. |
| Sample No: VC-2<br>Lat: 18° 9' 20" N.<br>Long: 65° 37' 50" W.<br>Date: JUNE 1975<br>Water depth: 42 Ft. | 488<br>4 | 5Y6/1 | YES | SILTY SAND | 0-7cm: ENTIRE CORE HAS A STRONG SULFUR ODOR. LIGHT AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARS SAND AND GRAVEL SIZED HELL FRAGMENTS. |
| Sample No: VC-2<br>Lat: 18° 9' 20" N.<br>Long: 65° 37' 50" W.<br>Date: JUNE 1975<br>Water depth: 42 Ft. | 488<br>5 | 5Y7/2 | YES | SILTY SAND | 7-16cm: LIGHT AMOUNT O PLANT MATERIAL AND A FEW WORM TUBES. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-3<br>Lat: 18° 8' 30" N.<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>6 | 5Y5/1 | YES | SILTY SAND | 0-8cm: LARGE AMOUNT OF PLANT MATERIAL. STRON SULFUR ODOR. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-3<br>Lat: 18° 8' 30" N<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>7 | 5Y6/1 | YES | SILTY SAND | 8-20cm: LIGHT AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-3<br>Lat: 18° 8' 30" N.<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>8 | 5Y7/2 | YES | SILTY SAND | 20-36cm: LIGHT AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-3<br>Lat: 18° 8' 30" N.<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>9 | 5Y7/2 | YES | SILTY SAND | 36-50cm: LIGHT AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |

# LOG FOR CORE SAMPLES

MGG 09005065

Project No: 488
Location: STRAIT OF PASAJE DE VIEQUES

Logged By E.V. KELLY
Date Logged 30 OCT. 1975

| | Lab. No. | Color | Calc. Mat. | Sediment Type | Remarks |
|---|---|---|---|---|---|
| Sample No: VC-4<br>Lat: 18° 8' 30" N.<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>10 | 5Y 5/1 | YES | SILTY SAND | 0-14cm: STRONG SULFUR ODOR. LARGE AMOUNT OF PLANT MATERIAL. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-4<br>Lat: 18° 8' 30" N.<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>11 | 5Y 7/1 | YES | SILTY SAND | 14-26cm: LIGHT AMOUNT OF PLANT MATERIAL. SEDIMEN COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-4<br>Lat: 18° 8' 30" N.<br>Long: 65° 38' 10" W.<br>Date: JUNE 1975<br>Water depth: 50 Ft. | 488<br>12 | 5Y 7/2 | YES | SILTY SAND | 26-44cm: SEDIMENT COMPOSE PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. AT 43cm. IS A LARGE SHELL FRAGMENT (≈ 3cm. DIA.). |
| Sample No: VC-5<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>13 | 5Y 6/1 | YES | SILTY SAND | 0-13cm: STRONG SULFUR ODOR. SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-5<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>14 | 5Y 7/2 | YES | SILTY SAND | 13-31cm: SEDIMENT COMPOSE PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. WITH A LIGHT AMOUNT OF FINE SILT SIZE MATERIAL. |
| Sample No: VC-5<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>15 | 5Y 7/2 | YES | SILTY SAND | 31-38cm: SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. SEDIMEN APPEARS TO BE COARSER THAN 0-31cm. AT 36cm. IS A LARGE SHELL FRAGMENT (≈ 3cm. DIA.) |
| Sample No: VC-6<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>16 | 5Y 6/1 | YES | SILTY SAND | 0-11cm: STRONG SULFUR ODOR. SEDIMENT COMPOSE PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No: VC-6<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>17 | 5Y 7/2 | YES | SILTY SAND | 11-24cm: SEDIMENT COMPOSE PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS WITH A SMAL AMOUNT OF FINE SILT SIZE MATERIAL. |
| Sample No: VC-6<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>18 | 5Y 7/1 | YES | SILTY SAND | 24-32cm: SEDIMENT APPEA TO HAVE A LESSER DEGREE OF COARSENESS THAN 11-24 SEDIMENT COMPOSED PRIMAR OF COARSE SAND AND GRAV SIZED SHELL FRAGMENTS AN A SMALL AMOUNT OF FINE SILT. |

LOG FOR CORE SAMPLES MGG09005065

Project No: 488
Location: STRAIT OF PASAJE DE VIEQUES

Logged By E.V. KELLY
Date Logged 30 OCT. 1975

| | Lab. No. | Color | Calc. Mat. | Sediment Type | Remarks |
|---|---|---|---|---|---|
| Sample No: VC-6<br>Lat: 18° 10' 25" N.<br>Long: 65° 37' 15" W.<br>Date: JUNE 1975<br>Water depth: 48 Ft. | 488<br>19 | 5Y7/2 | YES | SILTY SAND | 32-41cm: SEDIMENT APPEARS TO BE COARSER THAN 0-32cm SEDIMENT COMPOSED PRIMARILY OF COARSE SAND AND GRAVEL SIZED SHELL FRAGMENTS. |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |
| Sample No:<br>Lat:<br>Long:<br>Date:<br>Water depth: | | | | | |

# SEDIMENT SIZE AND COMPOSITION DATA

CRUISE TAKEN JUN75 LATITUDE 18 9.28 N MARSDEN SQUARE 043 LENGTH 23.0 ANALYZED OCT75
SAMPLE VC-1 DEPTH 12.8 LONGITUDE 65 37.50 W CORER TYPE PENETRATION

| | SUBSAMPLE ID. | 488 1 | 488 2 | 488 3 |
|---|---|---|---|---|
| | DEPTH INTERVAL | .0- 8.0 | 8.0-15.0 | 15.0-23.0 |
| DIAM (PHI) | DIAM (MM) | PERCENT | PERCENT | PERCENT |
| <-4 | >16.000 | .000 | .000 | .000 |
| -4 TO -3 | 16.000 TO 8.000 | .000 | .000 | .000 |
| -3 TO -2 | 8.000 TO 4.000 | .229 | .231 | .839 |
| -2 TO -1 | 4.000 TO 2.000 | 1.209 | .532 | 3.202 |
| -1 TO 0 | 2.000 TO 1.000 | 6.109 | 4.917 | 8.464 |
| 0 TO 1 | 1.000 TO .500 | 17.445 | 15.318 | 19.996 |
| 1 TO 2 | .500 TO .250 | 34.825 | 33.156 | 35.017 |
| 2 TO 3 | .250 TO .125 | 19.928 | 23.394 | 17.385 |
| 3 TO 4 | .125 TO .063 | 7.220 | 6.124 | 3.965 |
| 4 TO 5 | .063 TO .031 | 5.750 | 7.011 | 3.965 |
| 5 TO 6 | .031 TO .016 | 1.633 | 2.627 | 1.792 |
| 6 TO 7 | .016 TO .008 | 1.111 | .710 | .991 |
| 7 TO 8 | .008 TO .004 | 1.470 | 1.136 | .686 |
| 8 TO 9 | .004 TO .002 | .000 | .337 | .000 |
| 9 TO 10 | .002 TO .001 | .784 | .763 | .000 |
| >10 | <.001 | 2.287 | 3.745 | 3.698 |
| GRAVEL (>2.0 MM) | | 1.437 | .763 | 4.041 |
| SAND (2.0-.063 MM) | | 85.528 | 82.907 | 84.827 |
| SILT (.063-.004 MM) | | 9.964 | 11.484 | 7.434 |
| CLAY (<.004 MM) | | 3.071 | 4.846 | 3.698 |
| MEAN (MM) | | .2250 | .1868 | .2739 |
| MEAN (PHI) | | 2.152 | 2.420 | 1.868 |
| STANDARD DEVIATION | | 2.137 | 2.322 | 2.300 |
| SKEWNESS | | .936 | .939 | .995 |
| KURTOSIS | | 4.746 | 4.059 | 5.308 |
| CALCIUM CARBONATE | | 98 | 99 | 100 |
| ORGANIC CARBON | | .261 | .160 | .097 |
| NITROGEN (KJELDAHL) | | .000 | .000 | .001 |
| COLOR (GSA) | | 5Y6/1 | 5Y7/2 | 5Y7/2 |

MCG09005065

# SEDIMENT SIZE AND COMPOSITION DATA

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CRUISE | | TAKEN | JUN75 | LATITUDE | 18 9.20 N | MARSDEN SQUARE 043 | LENGTH | 16.0 | ANALYZED | OCT75 |
| SAMPLE | VC-2 | DEPTH | 12.8 | LONGITUDE | 65 37.50 W | CORER TYPE | PENETRATION | | | |

| | | | |
|---|---|---|---|
| | SUBSAMPLE ID. | 488 4 | 488 5 |
| | DEPTH INTERVAL | .0- 7.0 | 7.0-16.0 |
| DIAM (PHI) | DIAM (MM) | PERCENT | PERCENT |
| <-4 | >16.000 | .000 | .000 |
| -4 TO -3 | 16.000 TO 8.000 | .209 | .000 |
| -3 TO -2 | 8.000 TO 4.000 | .000 | .973 |
| -2 TO -1 | 4.000 TO 2.000 | 1.278 | 1.285 |
| -1 TO 0 | 2.000 TO 1.000 | 4.484 | 3.909 |
| 0 TO 1 | 1.000 TO .500 | 15.474 | 11.323 |
| 1 TO 2 | .500 TO .250 | 41.450 | 38.521 |
| 2 TO 3 | .250 TO .125 | 21.515 | 25.546 |
| 3 TO 4 | .125 TO .063 | 5.088 | 5.506 |
| 4 TO 5 | .063 TO .031 | 3.648 | 4.111 |
| 5 TO 6 | .031 TO .016 | 1.417 | 1.835 |
| 6 TO 7 | .016 TO .008 | .929 | 1.395 |
| 7 TO 8 | .008 TO .004 | 1.069 | .385 |
| 8 TO 9 | .004 TO .002 | .000 | 1.028 |
| 9 TO 10 | .002 TO .001 | .000 | 4.184 |
| >10 | <.001 | 3.439 | .000 |
| | GRAVEL (>2.0 MM) | 1.487 | 2.257 |
| | SAND (2.0-.063 MM) | 88.011 | 84.805 |
| | SILT (.063-.004 MM) | 7.063 | 7.726 |
| | CLAY (<.004 MM) | 3.439 | 5.212 |
| | MEAN (MM) | .2317 | .2041 |
| | MEAN (PHI) | 2.110 | 2.293 |
| | STANDARD DEVIATION | 2.123 | 2.173 |
| | SKEWNESS | 1.122 | .847 |
| | KURTOSIS | 6.534 | 3.726 |
| | CALCIUM CARBONATE | 98 | 99 |
| | ORGANIC CARBON | .236 | .158 |
| | COLOR (GSA) | 5Y6/1 | 5Y7/2 |
| | Nitrogen (Kjeldahl) | .000 | |

M6090005065

# SEDIMENT SIZE AND COMPOSITION DATA

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CRUISE | | TAKEN | JUN75 | LATITUDE | 18 8.30 N | MARSDEN SQUARE 043 | LENGTH | 35.0 | ANALYZED OCT75 |
| SAMPLE | VC-3 | DEPTH | 15.2 | LONGITUDE | 65 38.10 W | CORER TYPE | PENETRATION | | |

| | SUBSAMPLE ID. | 488 6 | 488 7 | 488 8 | 488 9 |
|---|---|---|---|---|---|
| | DEPTH INTERVAL | .0- 8.0 | 8.0-20.0 | 20.0-36.0 | 36.0-50.0 |
| DIAM (PHI) | DIAM (MM) | PERCENT | PERCENT | PERCENT | PERCENT |
| <-4 | >16.000 | .000 | .000 | .000 | .000 |
| -4 TO -3 | 16.000 TO 8.000 | .000 | 2.318 | .000 | .000 |
| -3 TO -2 | 8.000 TO 4.000 | .566 | 1.602 | .703 | .755 |
| -2 TO -1 | 4.000 TO 2.000 | 2.034 | 2.789 | 2.966 | 3.550 |
| -1 TO 0 | 2.000 TO 1.000 | 8.437 | 12.173 | 13.817 | 12.717 |
| 0 TO 1 | 1.000 TO .500 | 35.592 | 41.191 | 42.123 | 42.694 |
| 1 TO 2 | .500 TO .250 | 27.220 | 25.947 | 25.543 | 28.640 |
| 2 TO 3 | .250 TO .125 | 6.261 | 4.880 | 5.558 | 4.769 |
| 3 TO 4 | .125 TO .063 | 3.909 | 2.167 | 2.077 | 1.616 |
| 4 TO 5 | .063 TO .031 | 6.915 | 2.318 | 1.062 | .517 |
| 5 TO 6 | .031 TO .016 | 2.724 | .848 | .937 | .927 |
| 6 TO 7 | .016 TO .008 | .601 | 1.357 | 1.062 | .927 |
| 7 TO 8 | .008 TO .004 | 1.963 | .490 | .718 | .079 |
| 8 TO 9 | .004 TO .002 | .230 | .245 | .094 | .053 |
| 9 TO 10 | .002 TO .001 | .265 | .603 | .078 | .265 |
| >10 | <.001 | 3.184 | 1.074 | 3.263 | 2.490 |
| | GRAVEL (>2.0 MM) | 2.600 | 6.708 | 3.669 | 4.305 |
| | SAND (2.0-.063 MM) | 31.518 | 86.358 | 89.118 | 90.436 |
| | SILT (.063-.004 MM) | 12.204 | 5.012 | 3.778 | 2.451 |
| | CLAY (<.004 MM) | 3.679 | 1.922 | 3.435 | 2.808 |
| | MEAN (MM) | .2833 | .4877 | .4192 | .4618 |
| | MEAN (PHI) | 1.820 | 1.036 | 1.254 | 1.115 |
| | STANDARD DEVIATION | 2.42 | 2.035 | 2.223 | 2.002 |
| | SKEWNESS | .942 | .932 | 1.338 | 1.479 |
| | KURTOSIS | 3.833 | 6.754 | 8.188 | 11.050 |
| | CALCIUM CARBONATE | 99 | 100 | 100 | 99 |
| | ORGANIC CARBON | .274 | .094 | .064 | .074 |
| | NITROGEN (KJELDAHL) | .061 | .034 | .029 | .028 |
| | COLOR (GSA) | 5Y5/1 | 5Y6/1 | 5Y7/2 | 5Y7/2 |

MCC09005065

# SEDIMENT SIZE AND COMPOSITION DATA

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CRUISE | | TAKEN | JUN75 | LATITUDE | 18 8.30 N | MARSDEN SQUARE 043 | LENGTH | 44.0 | ANALYZED OCT75 |
| SAMPLE | VC-4 | DEPTH | 15.2 | LONGITUDE | 65 38.18 W | CORER TYPE | PENETRATION | | |

| | | | | |
|---|---|---|---|---|
| | SUBSAMPLE ID. | 488 10 | 488 11 | 488 12 |
| | DEPTH INTERVAL | .0-14.0 | 14.0-26.0 | 26.0-44.0 |
| DIAM (PHI) | DIAM (MM) | PERCENT | PERCENT | PERCENT |
| <-4 | >16.000 | .000 | .000 | 8.130 |
| -4 TO -3 | 16.000 TO 8.000 | .000 | .000 | .000 |
| -3 TO -2 | 8.000 TO 4.000 | .456 | .916 | 1.436 |
| -2 TO -1 | 4.000 TO 2.000 | 1.795 | 3.781 | 4.118 |
| -1 TO 0 | 2.000 TO 1.000 | 11.743 | 14.425 | 14.194 |
| 0 TO 1 | 1.000 TO .500 | 37.953 | 39.421 | 39.734 |
| 1 TO 2 | .500 TO .250 | 26.194 | 26.305 | 25.433 |
| 2 TO 3 | .250 TO .125 | 5.339 | 5.395 | 2.706 |
| 3 TO 4 | .125 TO .063 | 3.347 | 2.079 | .688 |
| 4 TO 5 | .063 TO .031 | 4.487 | 2.356 | .748 |
| 5 TO 6 | .031 TO .016 | 2.190 | .727 | .404 |
| 6 TO 7 | .016 TO .008 | .639 | .974 | .404 |
| 7 TO 8 | .008 TO .004 | .395 | .756 | .095 |
| 8 TO 9 | .004 TO .002 | .882 | .000 | .059 |
| 9 TO 10 | .002 TO .001 | .605 | .393 | .451 |
| >10 | <.001 | 3.772 | 2.472 | 1.400 |
| | GRAVEL (>2.0 MM) | 2.251 | 4.697 | 13.684 |
| | SAND (2.0-.063 MM) | 84.576 | 87.625 | 82.756 |
| | SILT (.063-.004 MM) | 7.712 | 4.813 | 1.650 |
| | CLAY (<.004 MM) | 5.461 | 2.865 | 1.911 |
| | MEAN (MM) | .3126 | .4321 | .7456 |
| | MEAN (PHI) | 1.678 | 1.210 | .422 |
| | STANDARD DEVIATION | 2.510 | 2.147 | 2.259 |
| | SKEWNESS | 1.068 | 1.267 | .460 |
| | KURTOSIS | 4.568 | 7.975 | 6.262 |
| | CALCIUM CARBONATE | 38 | 100 | 100 |
| | ORGANIC CARBON | .254 | .087 | .096 |
| | NITROGEN (KJELDAHL) | .061 | .032 | .033 |
| | COLOR (GSA) | 5Y5/1 | 5Y7/1 | 5Y7/2 |

MCC09005065

# SEDIMENT SIZE AND COMPOSITION DATA

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CRUISE | | TAKEN | JUN75 | LATITUDE | 18 10.20 N | MARSDEN SQUARE | 043 | LENGTH | 38.0 | ANALYZED | OCT75 |
| SAMPLE | VC-5 | DEPTH | 14.6 | LONGITUDE | 65 38.70 W | CORER TYPE | | PENETRATION | |

| | | | | |
|---|---|---|---|---|
| | SUBSAMPLE ID. | 488 13 | 488 14 | 488 15 |
| | DEPTH INTERVAL | .0-13.0 | 13.0-31.0 | 3.1-38.0 |
| DIAM (PHI) | DIAM (MM) | PERCENT | PERCENT | PERCENT |
| <-4 | >16.000 | .000 | .000 | 7.310 |
| -4 TO -3 | 16.000 TO 8.000 | .921 | .000 | .000 |
| -3 TO -2 | 8.000 TO 4.000 | 1.732 | .000 | 2.546 |
| -2 TO -1 | 4.000 TO 2.000 | 3.746 | 4.011 | 7.170 |
| -1 TO 0 | 2.000 TO 1.000 | 15.561 | 10.758 | 14.291 |
| 0 TO 1 | 1.000 TO .500 | 25.925 | 20.448 | 22.969 |
| 1 TO 2 | .500 TO .250 | 29.296 | 32.348 | 28.010 |
| 2 TO 3 | .250 TO .125 | 11.175 | 17.023 | 11.086 |
| 3 TO 4 | .125 TO .063 | 2.419 | 3.645 | 2.581 |
| 4 TO 5 | .063 TO .031 | 2.138 | 2.400 | .676 |
| 5 TO 6 | .031 TO .016 | 1.842 | 1.464 | 1.611 |
| 6 TO 7 | .016 TO .008 | 1.077 | 1.713 | 1.091 |
| 7 TO 8 | .008 TO .004 | .936 | 1.186 | 1.472 |
| 8 TO 9 | .004 TO .002 | .078 | .644 | .000 |
| 9 TO 10 | .002 TO .001 | .406 | 1.054 | .000 |
| >10 | <.001 | 2.747 | 3.308 | 3.187 |
| | GRAVEL (>2.0 MM) | 6.399 | 4.011 | 13.026 |
| | SAND (2.0-.063 MM) | 84.376 | 84.221 | 78.936 |
| | SILT (.063-.004 MM) | 5.993 | 6.762 | 4.850 |
| | CLAY (<.004 MM) | 3.231 | 5.006 | 3.187 |
| | MEAN (MM) | .3803 | .2647 | .4911 |
| | MEAN (PHI) | 1.395 | 1.918 | 1.026 |
| | STANDARD DEVIATION | 2.354 | 2.472 | 2.796 |
| | SKEWNESS | .950 | .946 | .478 |
| | KURTOSIS | 5.163 | 3.938 | 3.145 |
| | CALCIUM CARBONATE | 99 | 99 | 99 |
| | ORGANIC CARBON | .072 | .090 | .084 |
| | NITROGEN (KJELDAHL) | .039 | .036 | .031 |
| | COLOR (6SA) | 5Y6/1 | 5Y7/2 | 5Y7/2 |

MCG09005065

# SEDIMENT SIZE AND COMPOSITION DATA

CRUISE TAKEN JUN75 LATITUDE 16 10.20 N MARSDEN SQUARE 043 LENGTH 41.0 ANALYZED OCT75
SAMPLE VC-6 DEPTH 14.6 LONGITUDE 65 38.10 W CORER TYPE PENETRATION

| DIAM (PHI) | DIAM (MM) | SUBSAMPLE ID. 488 16 DEPTH INTERVAL .0-11.0 PERCENT | 488 17 11.0-24.0 PERCENT | 488 18 24.0-32.0 PERCENT | 488 19 32.0-41.0 PERCENT |
|---|---|---|---|---|---|
| <-4 | >16.000 | .000 | .000 | .000 | .000 |
| -4 TO -3 | 16.000 TO 8.000 | .000 | .000 | .000 | 2.204 |
| -3 TO -2 | 8.000 TO 4.000 | 1.888 | .000 | .051 | 4.581 |
| -2 TO -1 | 4.000 TO 2.000 | 14.299 | 4.205 | 3.006 | 5.022 |
| -1 TO 0 | 2.000 TO 1.000 | 14.041 | 14.478 | 9.000 | 11.366 |
| 0 TO 1 | 1.000 TO .500 | 22.379 | 23.258 | 18.747 | 18.498 |
| 1 TO 2 | .500 TO .250 | 26.888 | 32.279 | 31.499 | 26.637 |
| 2 TO 3 | .250 TO .125 | 11.814 | 15.618 | 16.998 | 13.508 |
| 3 TO 4 | .125 TO .063 | 2.363 | 3.098 | 4.041 | 3.999 |
| 4 TO 5 | .063 TO .031 | .738 | 1.717 | 2.989 | 1.590 |
| 5 TO 6 | .031 TO .016 | .856 | .738 | 3.362 | 3.259 |
| 6 TO 7 | .016 TO .008 | 1.331 | .642 | 2.309 | 2.251 |
| 7 TO 8 | .008 TO .004 | .231 | .000 | 1.477 | 1.102 |
| 8 TO 9 | .004 TO .002 | .625 | .000 | .951 | .693 |
| 9 TO 10 | .002 TO .001 | .054 | .257 | 1.358 | .787 |
| >10 | <.001 | 2.444 | 3.708 | 4.211 | 4.503 |
| | GRAVEL (>2.0 MM) | 16.187 | 4.205 | 3.057 | 11.807 |
| | SAND (2.0-.063 MM) | 77.485 | 88.732 | 80.285 | 74.008 |
| | SILT (.063-.004 MM) | 3.205 | 3.098 | 10.138 | 8.202 |
| | CLAY (<.004 MM) | 3.123 | 3.965 | 6.521 | 5.982 |
| | MEAN (MM) | .4768 | .3445 | .2068 | .3010 |
| | MEAN (PHI) | 1.063 | 1.537 | 2.274 | 1.732 |
| | STANDARD DEVIATION | 2.311 | 2.252 | 2.687 | 2.955 |
| | SKEWNESS | .978 | 1.200 | .811 | .643 |
| | KURTOSIS | 5.668 | 7.254 | 2.382 | 1.998 |
| | CALCIUM CARBONATE | 99 | 99 | 99 | 99 |
| | ORGANIC CARBON | .112 | .112 | .100 | .101 |
| | NITROGEN (KJELDAHL) | .035 | .041 | .044 | .040 |
| | COLOR (GSA) | 5Y6/1 | 5Y7/2 | 5Y7/1 | 5Y7/2 |

MCC 0 0 0 5 0 6 5

Lab Item 488 MGG 09005065 SHEET 1 of 1

CHEMICAL ANALYSIS SUMMARY

| Sample Number | ORGANIC CARBON % C | % C | Average % C | Standard Deviation | | TOTAL KJELDAHL NITROGEN % N | % N | % N | Average % N | Standard Deviation |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .299 | .223 | .261 | .054 | | .000 | .000 | .000 | .000 | .000 |
| 2 | .142 | .177 | .160 | .025 | | .000 | .000 | .000 | .000 | .000 |
| 3 | .095 | .099 | .097 | .003 | | .001 | .000 | .001 | .001 | .000 |
| 4 | .245 | .226 | .236 | .013 | | .000 | .000 | .000 | .000 | .000 |
| 5 | .167 | .150 | .158 | .012 | | .000 | .000 | .000 | .000 | .000 |
| 6 | .275 | .273 | .274 | .001 | | .062 | .063 | .059 | .061 | .002 |
| 7 | .095 | .094 | .094 | .001 | | .038 | .034 | .032 | .034 | .003 |
| 8 | .066 | .061 | .064 | .004 | | .031 | .031 | .029 | .029 | .002 |
| 9 | .078 | .071 | .074 | .005 | | .026 | .026 | .030 | .028 | .002 |
| 10 | .256 | .252 | .254 | .003 | | .055 | .066 | .063 | .061 | .006 |
| 11 | .083 | .091 | .087 | .006 | | .025 | .036 | .036 | .032 | .006 |
| 12 | .096 | .097 | .096 | .001 | | .031 | .037 | .030 | .033 | .004 |
| 13 | .071 | .074 | .072 | .002 | | .041 | .039 | .038 | .039 | .002 |
| 14 | .090 | .090 | .090 | .000 | | .036 | .033 | .039 | .036 | .003 |
| 15 | .086 | .082 | .084 | .003 | | .037 | .024 | .032 | .031 | .007 |
| 16 | .111 | .114 | .112 | .002 | | .027 | .038 | .041 | .035 | .007 |
| 17 | .112 | .111 | .112 | .001 | | .038 | .041 | .043 | .041 | .002 |
| 18 | .101 | .098 | .100 | .002 | | .043 | .043 | .044 | .044 | .000 |
| 19 | .101 | .101 | .101 | .000 | | .042 | .038 | .040 | .040 | .002 |

TRANSMITTAL AND TRANSFER RECORD
NDW-NAVOCEANO-4610/1 (Rev. 9-63)

U.S. NAVAL OCEANOGRAPHIC OFFICE
WASHINGTON, D.C. 20390

*This form and one copy should be sent to the receiver. The copy will then be returned as a receipt. Originator retains third copy for file. This form should not be used for correspondence.*

| FROM | REFER TO |
|---|---|
| Code 3412 | J. Kravitz, 433-2490 |
| **TO** | **ATTENTION** |
| NOAA, Code D621 | R. Combellick |

THE ITEMS LISTED BELOW WERE FORWARDED TO YOU BY:

☒ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ EXPRESS ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER _____

Forwarded. One copy of Lab. Item 488

"A Summary of Sediment Size and Chemistry of Six Cores from Puerto Rico. Navy Divers. June 1975"

| FORWARDED BY (Signature) | TITLE | DATE FORWARDED |
|---|---|---|
| J. Kravitz | Hd., Geol. Lab. | |
| **RECEIVED BY (Signature)** | **TITLE** | **DATE RECEIVED** |
| | | |

GPO 907-650