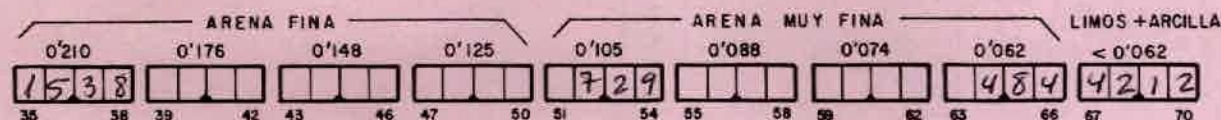


|         |      |      |            |    |                  |
|---------|------|------|------------|----|------------------|
| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719    | EG   | MS   | 0101       |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |    |
|----|----|
| 19 | 22 |
|----|----|

EDAD Mioceno

|    |    |    |     |   |    |     |   |   |
|----|----|----|-----|---|----|-----|---|---|
| S  | SS | SR | SSP | P | SP | SSP | 1 | 2 |
| 1  | 2  | 2  | 1   | 0 | 0  | 0   | 0 | 0 |
| 19 | 28 | 29 | 38  |   |    |     |   |   |

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

## VALORACION

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

AMBIENTE Aluvial aluvial . Facies de intermedias

OBSERVACIONES

INFORMACION ADICIONAL

|    |    |
|----|----|
| 41 | 40 |
|----|----|

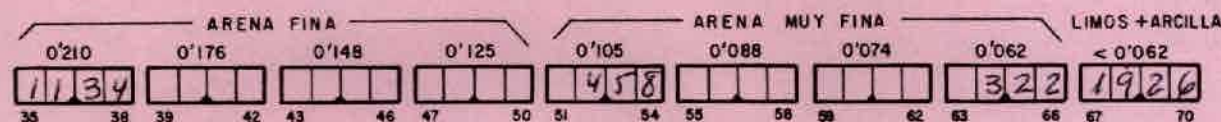
Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

1 7 1 9 E G H S O 1 0 2 1

1 5 7 9 14 15 18

## ANALISIS GRANULOMETRICOS

19 22



EDAD Mioceno

S SS SR SSP P SP SSP I 2

1 2 2 1 0 0 0 0

19 28 29 38

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA A

FOSILES Y MICROFACIES B

FOSILES Y LITOLOGIA C

LITOLOGIA Y POSICION ESTRATIGRAFICA D

MICROFACIES Y POSICION ESTRATIGRAFICA G

FOSILES F

ESTRATIGRAFICA E

MICROFACIES M

LITOLOGIA L

## VALORACION

BUENA B

PROBABLE P

DUDOSA D

AMBIENTE Aluvial aluvial. Facies intermedias

OBSERVACIONES

INFORMACION  
ADICIONAL

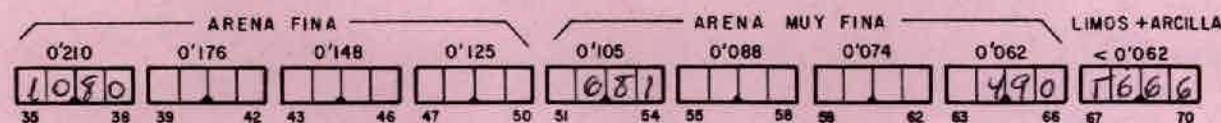
31 80

Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

|   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |    |
|---|---|---|---|---|---|---|---|---|---|---|---|----|----|--|--|----|
| 1 | 7 | 1 | 9 | E | 6 | M | 5 | 0 | 1 | 0 | 2 | 2  |    |  |  |    |
| 1 | 5 | 7 | 9 |   |   |   |   |   |   |   |   | 14 | 15 |  |  | 18 |

## ANALISIS GRANULOMETRICOS

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 19 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 62 | 66 | 70 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

EDAD Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

5 SS SR SSP P SP SSP 1 2

|    |   |   |   |   |   |   |   |    |    |  |  |  |  |  |  |  |    |
|----|---|---|---|---|---|---|---|----|----|--|--|--|--|--|--|--|----|
| 1  | 2 | 2 | 1 | 0 | 0 | 0 | 0 |    |    |  |  |  |  |  |  |  |    |
| 19 |   |   |   |   |   |   |   | 28 | 29 |  |  |  |  |  |  |  | 38 |

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

39

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

40

AMBIENTE Aluvial - Fcies intermedias

OBSERVACIONES

INFORMACION  
ADICIONAL

41 80

| Nº HOJA | ENP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---------|------|------|------------|----|------------------|
| 1719    | EG   | NS   | 0103       | 1  |                  |
| 1       | 3    | 7    | 8          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

| GRAVAS |    |    |    | ARENA MUY GRUESA |    |       |    | ARENA GRUESA |    |       |    |    |    |       |    |       |    |       |    |       |    |   |   |
|--------|----|----|----|------------------|----|-------|----|--------------|----|-------|----|----|----|-------|----|-------|----|-------|----|-------|----|---|---|
| > 4    |    | 4  |    | 2                |    | 1.682 |    | 1.414        |    | 1.189 |    | 1  |    | 0'840 |    | 0'707 |    | 0'594 |    | 0'500 |    |   |   |
| 23     | 26 | 27 | 30 | 31               | 34 | 35    | 38 | 39           | 42 | 43    | 46 | 47 | 50 | 51    | 54 | 55    | 58 | 59    | 62 | 63    | 66 |   |   |
| 9      | 9  | 5  | 3  | 8                | 2  |       |    |              |    |       |    | 1  | 7  | 3     | 8  |       |    |       |    | 1     | 5  | 6 | 2 |

Diagram illustrating the arena media structure, showing four segments with time markers and numerical values:

- Segment 1: 0'420 (19 to 22)
- Segment 2: 0'353 (23 to 26)
- Segment 3: 0'297 (27 to 30)
- Segment 4: 0'250 (31 to 34)

| ARENA FINA |    |       |    | ARENA MUY FINA |    |       |    | LIMOS + ARCILLA |    |       |    |       |    |       |    |         |    |   |   |
|------------|----|-------|----|----------------|----|-------|----|-----------------|----|-------|----|-------|----|-------|----|---------|----|---|---|
| 0'210      |    | 0'176 |    | 0'148          |    | 0'125 |    | 0'105           |    | 0'088 |    | 0'074 |    | 0'062 |    | < 0'062 |    |   |   |
| 1          | 1  | 1     | 8  |                |    |       |    |                 |    |       |    |       |    |       |    | 3       | 1  | 0 | 2 |
| 35         | 38 | 39    | 42 | 43             | 46 | 47    | 50 | 51              | 54 | 55    | 58 | 59    | 62 | 63    | 66 | 67      | 70 |   |   |

EDAD Mioceno

S SS SR SSP P SP SSP I 2 S SS SR SSP P SP SSP I 2

1 2 2 1 0 0 0 0 19 28 29 38

### PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_\_ A  
FOSILES Y MICROFACIES \_\_\_\_\_ B  
FOSILES Y LITOLOGIA \_\_\_\_\_ C  
LITOLOGIA Y POSICION ESTRATIGRAFICA \_\_ D  
MICROFACIES Y POSICION ESTRATIGRAFICA \_\_ G

FOSILES \_\_\_\_\_ F  
ESTRATIGRAFICA \_\_\_\_\_ E  
MICROFACIES \_\_\_\_\_ M  
LITOLOGIA \_\_\_\_\_ L

### VALORACION

BUENA \_\_\_\_\_ B  
PROBABLE \_\_\_\_\_ P  
DUDOSA \_\_\_\_\_ D

AMBIENTE Huano a 1000 m. - zona intermedia:

**OBSERVACIONES**INFORMACION  
ADICIONAL

41 80

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---------|------|------|------------|----|------------------|
| 1719    | EG   | MS   | 0104       |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 16            |

## ANALISIS GRANULOMETRICOS

A horizontal number line with tick marks at 19, 20, 21, and 22. The numbers 19 and 22 are labeled below the line.

| GRAVAS |    |   |    |    |   | ARENA MUY GRUESA |    |       |    |       |    | ARENA GRUESA |    |       |    |       |    |       |    |       |    |    |   |   |   |   |
|--------|----|---|----|----|---|------------------|----|-------|----|-------|----|--------------|----|-------|----|-------|----|-------|----|-------|----|----|---|---|---|---|
| > 4    |    | 4 |    | 2  |   | 1.682            |    | 1.414 |    | 1.189 |    | 1            |    | 0'840 |    | 0'707 |    | 0'594 |    | 0'500 |    |    |   |   |   |   |
| 3      | 2  | 4 | 2  | 1  | 1 |                  |    |       |    |       |    | 1            | 5  | 5     | 9  |       |    |       |    |       |    | 2  | 3 | 2 | 4 | 1 |
| 23     | 26 |   | 27 | 30 |   | 35               | 38 | 39    | 42 | 43    | 46 | 47           | 50 | 51    | 54 | 55    | 58 | 59    | 62 | 63    | 66 | 69 |   |   |   |   |

Diagram illustrating the arena media structure. The media is divided into four segments, each with a time marker and a corresponding numerical scale:

- Segment 1: Time marker 0'420, numerical scale 19 to 22.
- Segment 2: Time marker 0'353, numerical scale 23 to 26.
- Segment 3: Time marker 0'297, numerical scale 27 to 30.
- Segment 4: Time marker 0'250, numerical scale 31 to 34.

ARENA FINA      ARENA MUY FINA      LIMOS+ARCILLA

0'210   0'176   0'148   0'125   0'105   0'088   0'074   0'062   < 0'062

1 5 8 9   6 0 7   5 2 4   2 6 9 9

35   38   39   42   43   46   47   50   51   54   55   58   59   62   63   66   67   70

EDAD 14 años

|    |    |    |     |   |    |     |   |    |    |    |    |     |   |    |     |   |    |
|----|----|----|-----|---|----|-----|---|----|----|----|----|-----|---|----|-----|---|----|
| S  | SS | SR | SSP | P | SP | SSP | I | Z  | S  | SS | SR | SSR | P | SP | SSP | I | Z  |
| 1  | 2  | 2  | 1   | 0 | 0  | 0   |   |    |    |    |    |     |   |    |     |   |    |
| 19 |    |    |     |   |    |     |   | 28 | 29 |    |    |     |   |    |     |   | 38 |

### PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_\_ A  
FOSILES Y MICROFACIES \_\_ B  
FOSILES Y LITOLOGIA \_\_ C  
LITOLOGIA Y POSICION ESTRATIGRAFICA \_\_ D  
MICROFACIES Y POSICION ESTRATIGRAFICA \_\_ G

FOSILES \_\_\_\_\_ F  
ESTRATIGRAFICA \_\_\_\_\_ E  
MICROFACIES \_\_\_\_\_ M  
LITOLOGIA \_\_\_\_\_ L

## VALORACION

BUENA \_\_\_\_\_ B  
PROBABLE \_\_\_\_\_ P  
DUDOSA \_\_\_\_\_ D

AMBIENTE Alimento aluvial. Fases intermedias

### OBSERVACIONES

INFORMACION  
ADICIONAL

41 80

|         |      |      |            |    |                  |
|---------|------|------|------------|----|------------------|
| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719    | EG   | NS   | 0106       |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANÁLISIS GRANULOMÉTRICOS

|    |    |
|----|----|
| 19 | 22 |
|----|----|

|             |       |       |       |                  |       |       |       |                 |       |       |       |         |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|-------|-------|------------------|-------|-------|-------|-----------------|-------|-------|-------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| GRAVAS      |       |       |       | ARENA MUY GRUESA |       |       |       | ARENA GRUESA    |       |       |       |         |    |    |    |    |    |    |    |    |    |    |    |    |    |
| > 4         | 4     | 2     | 1.682 | 1.414            | 1.189 | 1     | 0'840 | 0'707           | 0'594 | 0'500 |       |         |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 110         | 101   | 076   |       |                  |       | 957   |       |                 |       | 1155  |       |         |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 23          | 26    | 27    | 30    | 31               | 34    | 35    | 38    | 39              | 42    | 43    | 46    | 47      | 50 | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 80 |    |    |    |
| ARENA MEDIA |       |       |       | ARENA MUY FINA   |       |       |       | LIMOS + ARCILLA |       |       |       |         |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0'420       | 0'353 | 0'297 | 0'250 | 0'210            | 0'176 | 0'148 | 0'125 | 0'105           | 0'088 | 0'074 | 0'062 | < 0'062 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|             |       |       |       | 2950             |       |       |       | 1614            |       |       | 499   | 2538    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 19          | 22    | 23    | 26    | 27               | 30    | 31    | 34    | 35              | 38    | 39    | 42    | 43      | 46 | 47 | 50 | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 67 | 70 |

EDAD Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

|          |    |    |     |   |    |     |   |   |   |    |    |     |   |    |     |   |   |
|----------|----|----|-----|---|----|-----|---|---|---|----|----|-----|---|----|-----|---|---|
| S        | SS | SR | SSP | P | SP | SSP | I | 2 | S | SS | SR | SSP | P | SP | SSP | I | 2 |
| 12210000 |    |    |     |   |    |     |   |   |   |    |    |     |   |    |     |   |   |
| 19       | 26 | 29 | 38  |   |    |     |   |   |   |    |    |     |   |    |     |   |   |

FOSILES Y POSICION ESTRATIGRAFICA \_\_\_ A  
 FOSILES Y MICROFACIES \_\_\_ B  
 FOSILES Y LITOLOGIA \_\_\_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_\_\_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_\_\_ G

FOSILES \_\_\_ F  
 ESTRATIGRAFICA \_\_\_ E  
 MICROFACIES \_\_\_ M  
 LITOLOGIA \_\_\_ L

39

BUENA \_\_\_ B  
 PROBABLE \_\_\_ P  
 DUDOSA \_\_\_ D

40

AMBIENTE Abanico aluvial. Fines intermedias

A/2

OBSERVACIONES

INFORMACION  
 ADICIONAL

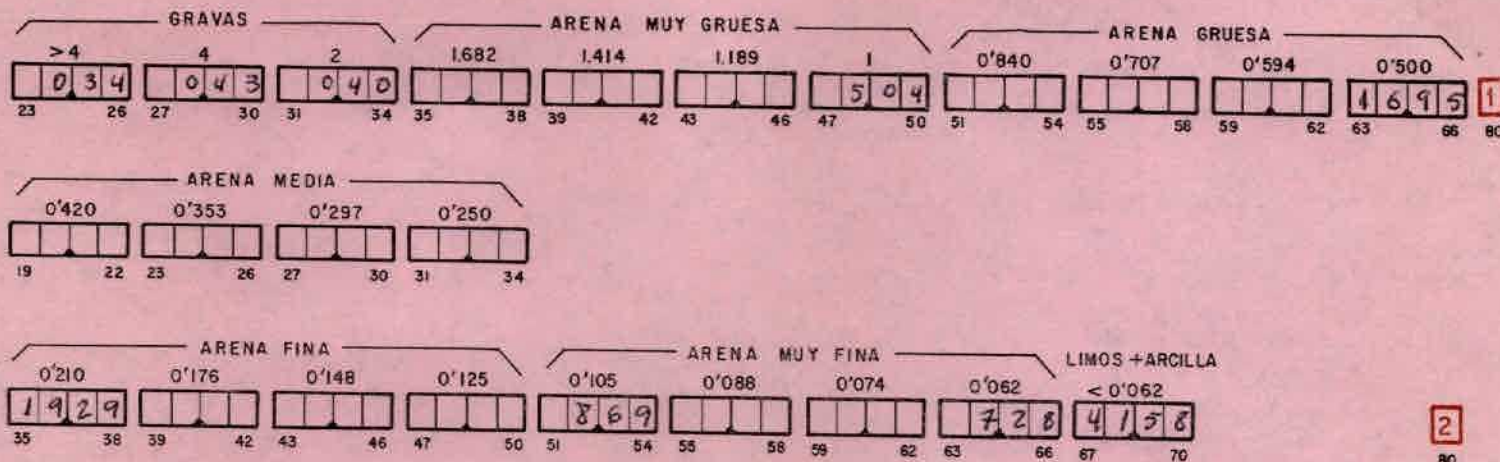
41 80

|         |      |      |            |    |                  |
|---------|------|------|------------|----|------------------|
| Nº HOJA | EMP. | REG. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719    | EGMS | 0201 |            |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

MAGNA

|    |    |
|----|----|
| 19 | 22 |
|----|----|

EDAD Paleogeno

|    |    |    |     |   |    |     |    |   |
|----|----|----|-----|---|----|-----|----|---|
| S  | SS | SR | SSP | P | SP | SSP | 1  | 2 |
| 1  | 2  | 1  | 0   | 0 | 0  | 0   | 0  | 0 |
| 19 |    |    |     |   |    |     | 28 |   |

AMBIENTE Abanico aluvial. Fases intermedias

OBSERVACIONES

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA A  
 FOSILES Y MICROFACIES B  
 FOSILES Y LITOLOGIA C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA D  
 MICROFACIES Y POSICION ESTRATIGRAFICA G

FOSILES F  
 ESTRATIGRAFICA E  
 MICROFACIES M  
 LITOLOGIA L

## VALORACION

BUENA B  
 PROBABLE P  
 DUDOSA D

INFORMACION  
 ADICIONAL

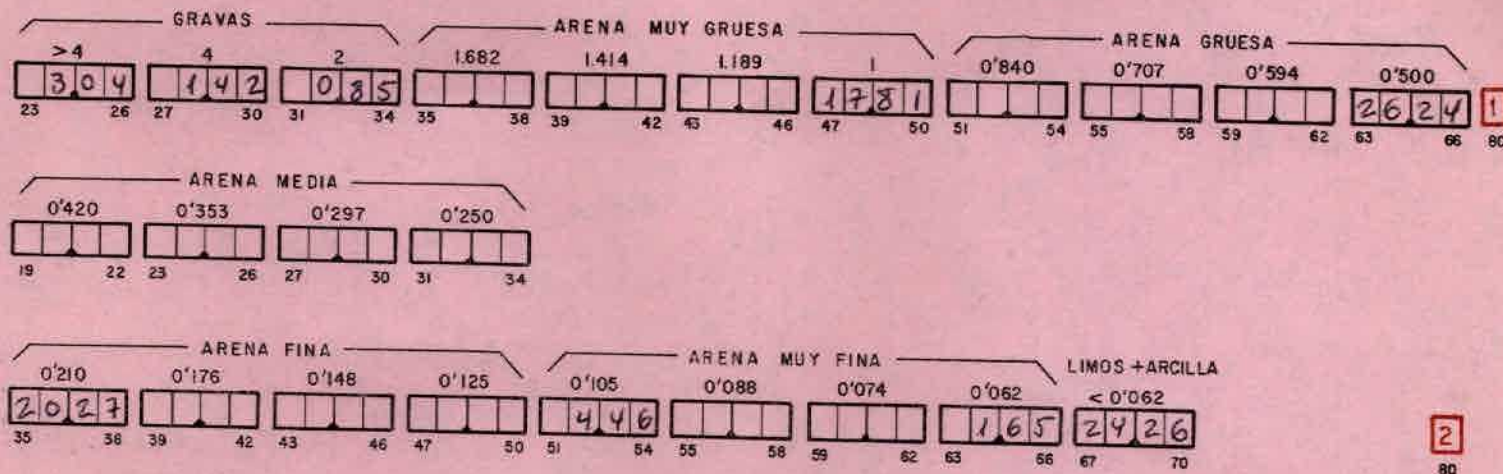
|       |
|-------|
| 3     |
| 41 80 |

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---------|------|------|------------|----|------------------|
| 1719    | EG   | NS   | 0203       |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANÁLISIS GRANULOMÉTRICOS

MAGNA

|    |  |    |
|----|--|----|
|    |  |    |
| 19 |  | 22 |

EDAD Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

| S  | SS | SR | SSP | P | SP | SSP | 1  | 2  |
|----|----|----|-----|---|----|-----|----|----|
| 1  | 2  | 2  | 1   | 0 | 0  | 0   | 0  | 0  |
| 19 |    |    |     |   |    |     | 28 | 29 |

FOSILES Y POSICION ESTRATIGRAFICA — A  
 FOSILES Y MICROFACIES — B  
 FOSILES Y LITOLOGIA — C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA — D  
 MICROFACIES Y POSICION ESTRATIGRAFICA — S

FOSILES — F  
 ESTRATIGRAFICA — E  
 MICROFACIES — M  
 LITOLOGIA — L

39

BUENA — B  
 PROBABLE — P  
 DUDOSA — D

40

AMBIENTE Abanico aluvial Fines proximal

1A4

OBSERVACIONES

INFORMACION  
ADICIONAL

|    |    |
|----|----|
|    | 3  |
| 41 | 80 |

Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

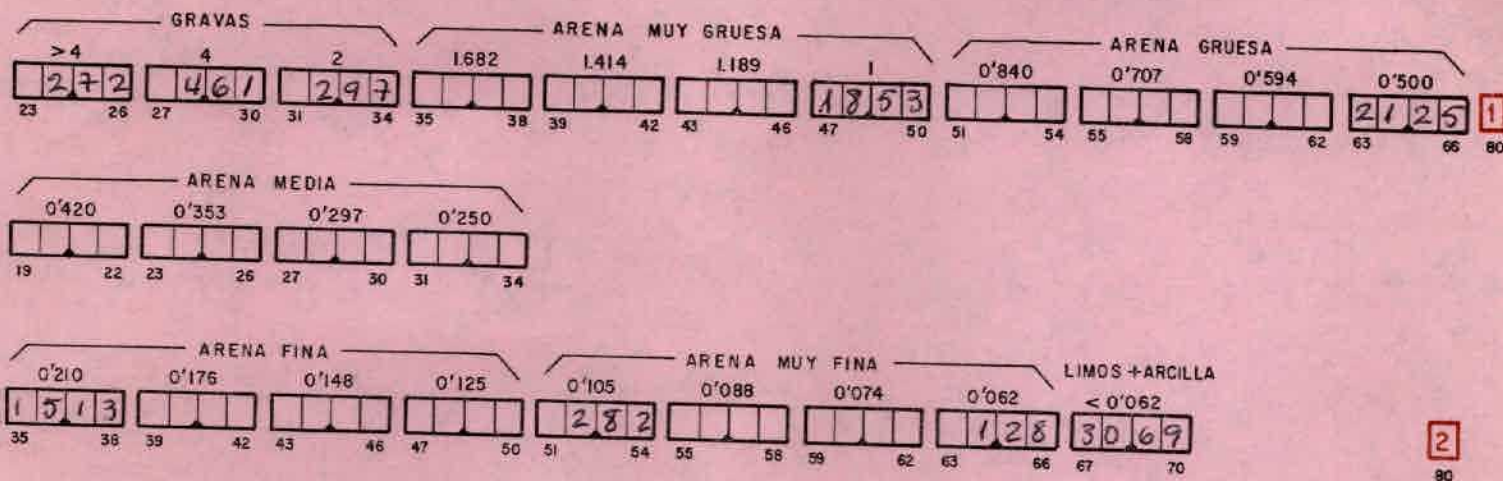
1 7 1 9 E 9 M 5 0 2 0 5

1 5 7 9 14 15 18

## ANALISIS GRANULOMETRICOS

MAGNA

19 22

EDAD Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

S SS SR SSP P SP SSP I 2

1 2 2 1 0 0 0 0

19 28 29 38

FOSILES Y POSICION ESTRATIGRAFICA... A

FOSILES Y MICROFACIES... B

FOSILES Y LITOLOGIA... C

LITOLOGIA Y POSICION ESTRATIGRAFICA... D

MICROFACIES Y POSICION ESTRATIGRAFICA... G

FOSILES... F

ESTRATIGRAFICA... E

MICROFACIES... M

LITOLOGIA... L

BUENA... B

PROBABLE... P

DUDOSA... D

39

40

AMBIENTE Alocnico aluvial. Fieles proximales

OBSERVACIONES

INFORMACION ADICIONAL

41 3

40

| N° HOJA | EMP. | REC. | N° MUESTRA | TA | PROFUNDIDAD (m.) |
|---------|------|------|------------|----|------------------|
| 719     | E6   | M5   | 9702       |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

| GRAVAS |     |    |     |    |     | ARENA MUY GRUESA |    |       |    |       |    | ARENA GRUESA |     |       |    |       |    |       |    |       |     |
|--------|-----|----|-----|----|-----|------------------|----|-------|----|-------|----|--------------|-----|-------|----|-------|----|-------|----|-------|-----|
| > 4    |     | 4  |     | 2  |     | 1.682            |    | 1.414 |    | 1.189 |    | 1            |     | 0'840 |    | 0'707 |    | 0'594 |    | 0'500 |     |
| 23     | 26  | 27 | 30  | 31 | 34  | 35               | 38 | 39    | 42 | 43    | 46 | 47           | 50  | 51    | 54 | 55    | 58 | 59    | 62 | 63    | 66  |
|        | 010 |    | 015 |    | 013 |                  |    |       |    |       |    |              | 213 |       |    |       |    |       |    |       | 399 |

ARENA FINA ARENA MUY FINA LIMOS + ARCILLA

0'210 0'176 0'148 0'125 0'105 0'088 0'074 0'062 < 0'062

35 38 39 42 43 46 47 50 51 54 55 58 59 62 63 66 67 70

372 181 361 8436

EDAO Niocoeno

S SS SR SSP P SP SSP I 2      S SS SR SSP P SP SSP I 2  
 1 2 2 1 0 0 0 0      1 2 2 1 0 0 0 0  
 19                      28      29                      38

### PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_\_ A  
FOSILES Y MICROFACIES \_\_\_\_\_ B  
FOSILES Y LITOLOGIA \_\_\_\_\_ C  
LITOLOGIA Y POSICION ESTRATIGRAFICA \_\_ D  
MICROFACIES Y POSICION ESTRATIGRAFICA \_\_ G

FOSILES \_\_\_\_\_ F  
ESTRATIGRAFICA \_\_\_\_\_ E  
MICROFACIES \_\_\_\_\_ M  
LITOLOGIA \_\_\_\_\_ L

### VALORACION

BUENA \_\_\_\_\_ B  
PROBABLE \_\_\_\_\_ P  
DUDOSA \_\_\_\_\_ D

AMBIENTE Abasco aluvial. Fases próximas

|   |   |
|---|---|
| A | 1 |
|---|---|

**OBSERVACIONES**INFORMACION  
ADICIONAL

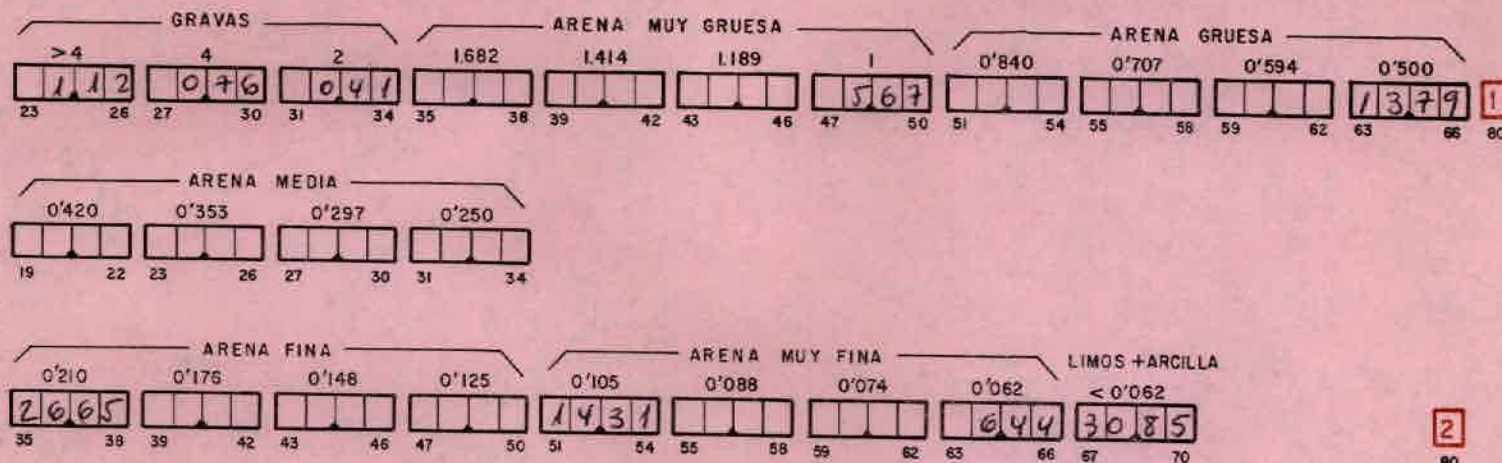
AI RO

Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

## ANALISIS GRANULOMETRICOS

|    |    |    |    |
|----|----|----|----|
| 19 | 20 | 21 | 22 |
|----|----|----|----|

EDAD litoral superior

S SS SR SSP P SP SSP I 2

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA — A  
 FOSILES Y MICROFACIES — B  
 FOSILES Y LITOLOGIA — C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA — D  
 MICROFACIES Y POSICION ESTRATIGRAFICA — G

FOSILES — F  
 ESTRATIGRAFICA — E  
 MICROFACIES — M  
 LITOLOGIA — L

## VALORACION

BUENA — B  
 PROBABLE — P  
 DUDOSA — D



39



40

G O H ?

AMBIENTE litoral

OBSERVACIONES

INFORMACION ADICIONAL

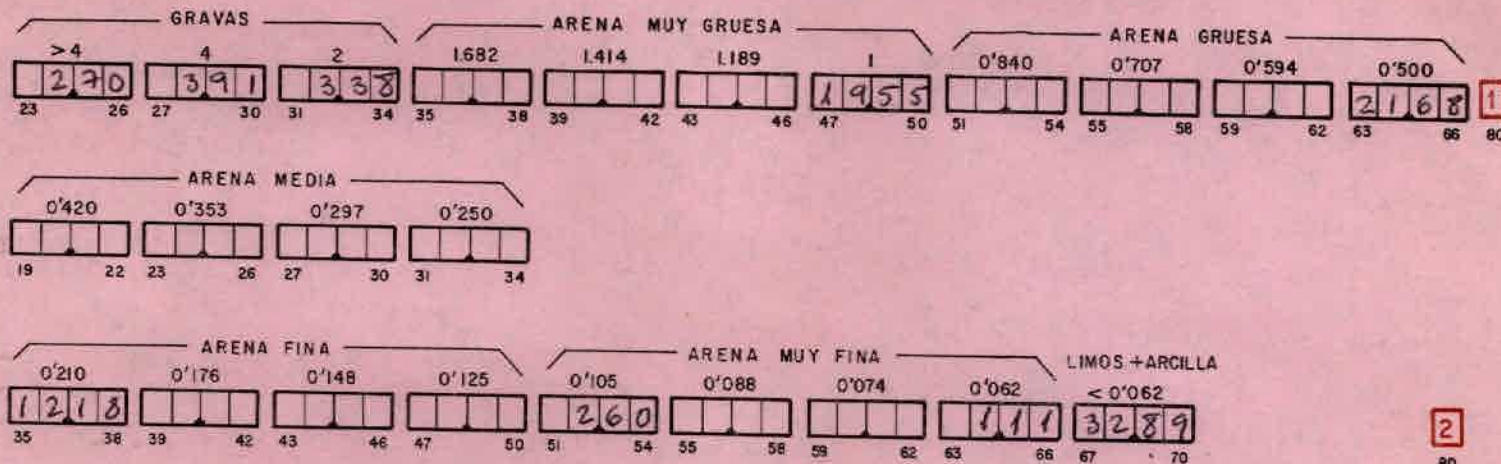
|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|----|----|----|----|----|----|----|----|----|----|

| Nº HOJA      | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|--------------|------|------|------------|----|------------------|
| 171954059502 |      |      |            |    |                  |
| 1            | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

MAGNA

|    |  |  |    |
|----|--|--|----|
|    |  |  |    |
| 19 |  |  | 22 |



2 80

EDAD Pre Cretácico

| S        | SS | SR | SSP | P | SP | SSP | 1  | 2 |
|----------|----|----|-----|---|----|-----|----|---|
| 12100000 |    |    |     |   |    |     |    |   |
| 19       |    |    |     |   |    |     | 28 |   |

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA A  
 FOSILES Y MICROFACIES B  
 FOSILES Y LITOLOGIA C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA D  
 MICROFACIES Y POSICION ESTRATIGRAFICA G

FOSILES F  
 ESTRATIGRAFICA E  
 MICROFACIES M  
 LITOLOGIA L

## VALORACION

BUENA B  
 PROBABLE P  
 DUDOSA D

40

AMBIENTE Aluvial Facies intermedias

OBSERVACIONES

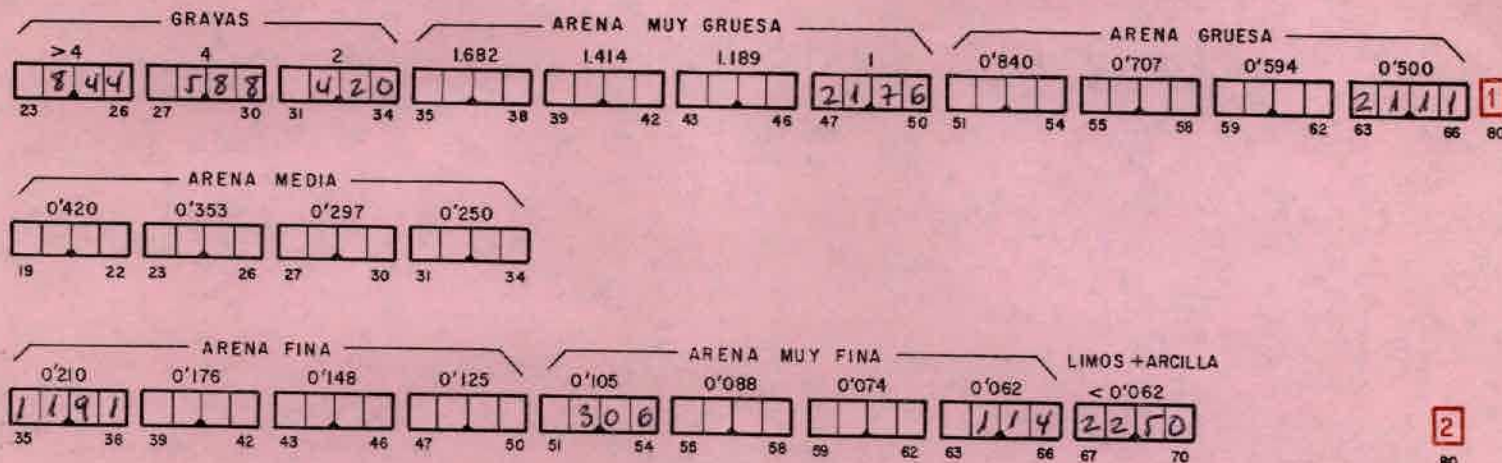
INFORMACION ADICIONAL

3 41 80

| Nº HOJA      | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|--------------|------|------|------------|----|------------------|
| 171966059503 |      |      |            |    |                  |
| 1            | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |    |
|----|----|
| 19 | 22 |
|----|----|



80

EDAD Palaeogene

| S  | SS | SR | SSP | P | SP | SSP | 1  | 2 |
|----|----|----|-----|---|----|-----|----|---|
| 1  | 2  | 1  | 0   | 0 | 0  | 0   | 0  | 0 |
| 19 |    |    |     |   |    |     | 28 |   |

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

## VALORACION

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

40

AMBIENTE Abanico aluvial. Facies intermedias

OBSERVACIONES

INFORMACION ADICIONAL

3 41 80

|         |      |        |            |    |                  |
|---------|------|--------|------------|----|------------------|
| Nº HOJA | EMP. | REC.   | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719    | EG   | 059509 |            |    |                  |
| 1       | 5    | 7      | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |    |  |  |
|----|----|--|--|
|    |    |  |  |
| 19 | 22 |  |  |

|             |       |       |       |                  |       |       |       |                |       |       |       |                 |      |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|-------|-------|------------------|-------|-------|-------|----------------|-------|-------|-------|-----------------|------|----|----|----|----|----|----|----|----|----|----|----|----|
| GRAVAS      |       |       |       | ARENA MUY GRUESA |       |       |       | ARENA GRUESA   |       |       |       |                 |      |    |    |    |    |    |    |    |    |    |    |    |    |
| >4          | 4     | 2     | 1.682 | 1.414            | 1.189 | 1     | 0'840 | 0'707          | 0'594 | 0'500 |       |                 |      |    |    |    |    |    |    |    |    |    |    |    |    |
| 156         | 132   | 133   |       |                  |       | 1377  |       |                |       | 2380  | 1     |                 |      |    |    |    |    |    |    |    |    |    |    |    |    |
| 23          | 26    | 27    | 30    | 31               | 34    | 35    | 38    | 39             | 42    | 43    | 46    | 47              | 50   | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 80 |    |    |    |
| ARENA MEDIA |       |       |       | ARENA FINA       |       |       |       | ARENA MUY FINA |       |       |       | LIMOS + ARCILLA |      |    |    |    |    |    |    |    |    |    |    |    |    |
| 0'420       | 0'353 | 0'297 | 0'250 | 0'210            | 0'175 | 0'148 | 0'125 | 0'105          | 0'088 | 0'074 | 0'062 | < 0'062         |      |    |    |    |    |    |    |    |    |    |    |    |    |
|             |       |       |       | 1577             |       |       |       | 535            |       |       |       | 249             | 3421 |    |    |    |    |    |    |    |    |    |    |    |    |
| 19          | 22    | 23    | 26    | 27               | 30    | 31    | 34    | 35             | 38    | 39    | 42    | 43              | 46   | 47 | 50 | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 67 | 70 |

EDAD mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

|      |      |    |     |   |    |     |   |   |   |    |    |     |   |    |     |   |   |
|------|------|----|-----|---|----|-----|---|---|---|----|----|-----|---|----|-----|---|---|
| S    | SS   | SR | SSP | P | SP | SSP | 1 | 2 | S | SS | SR | SSP | P | SP | SSP | 1 | 2 |
| 1221 | 0000 |    |     |   |    |     |   |   |   |    |    |     |   |    |     |   |   |
| 19   | 28   | 29 | 38  |   |    |     |   |   |   |    |    |     |   |    |     |   |   |

FOSILES Y POSICION ESTRATIGRAFICA — A  
 FOSILES Y MICROFACIES — B  
 FOSILES Y LITOLOGIA — C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA — D  
 MICROFACIES Y POSICION ESTRATIGRAFICA — G

FOSILES — F  
 ESTRATIGRAFICA — E  
 MICROFACIES — M  
 LITOLOGIA — L

D  
 39

BUENA — B  
 PROBABLE — P  
 DUDOSA — D

P  
 40

AMBIENTE Delta aluvial, facies maximos

OBSERVACIONES

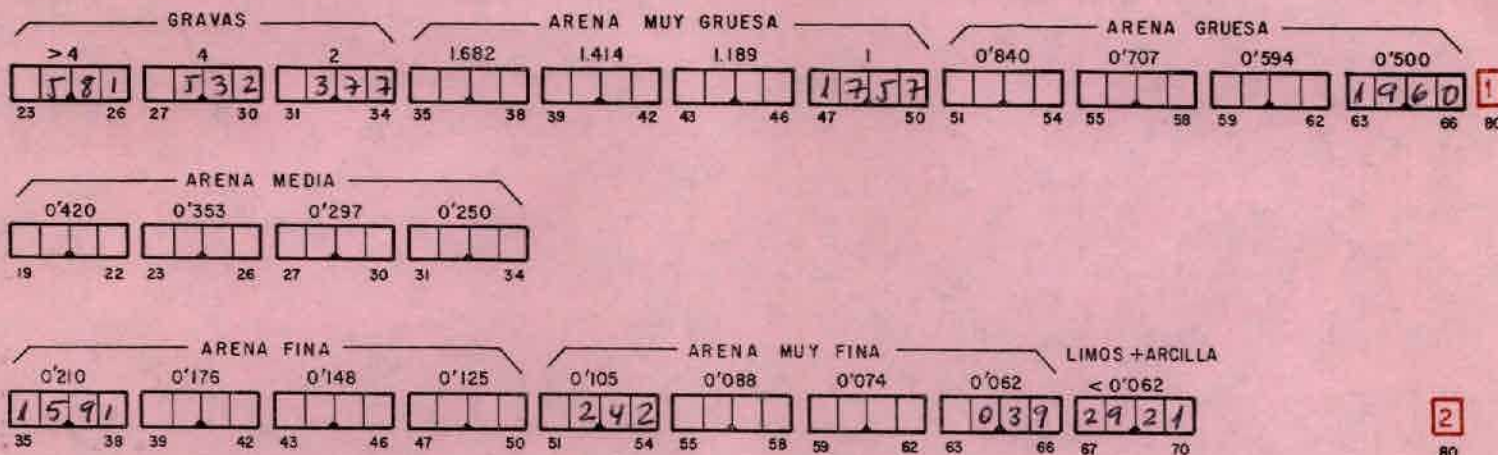
INFORMACION  
 ADICIONAL

41 80

| Nº HOJA      | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|--------------|------|------|------------|----|------------------|
| 1719E4059543 |      |      |            |    |                  |
| 1            | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |    |
|----|----|
| 19 | 22 |
|----|----|

EDAD Cretácico Superior

|    |    |    |     |   |    |     |   |   |
|----|----|----|-----|---|----|-----|---|---|
| S  | SS | SR | SSP | P | SP | SSP | I | 2 |
| 1  | 1  | 0  | 2   | 0 | 0  | 0   | 0 | 0 |
| 19 |    |    |     |   |    |     |   |   |

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

## VALORACION

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

AMBIENTE Litoral

GóH

OBSERVACIONES

INFORMACION  
ADICIONAL

|       |
|-------|
| 3     |
| 41 80 |

| N° HOJA | EMP. | REC. | N° MUESTRA | TA | PROFUNDIDAD (m.) |
|---------|------|------|------------|----|------------------|
| 1719    | E405 | 9515 |            |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

A horizontal number line with four vertical tick marks. Below the first tick mark is the number 19, and below the fourth tick mark is the number 22. The tick marks are evenly spaced, representing the numbers 19, 20, 21, and 22.

Figure 1: Diagram of the profile of the beach. The diagram shows a cross-section of a beach with various zones labeled: GRAYAS, ARENA MUY GRUESA, ARENA GRUESA, ARENA MEDIA, ARENA FINA, ARENA MUY FINA, and LIMOS + ARCILLA. Each zone is represented by a series of boxes containing numbers, indicating the profile of the beach. The zones are separated by vertical lines, and the profile is shown as a continuous line across the zones. The zones are labeled with their respective names and the numbers in the boxes represent the profile data.

EDAD Catorce Semanas

S SS SR SSP P SP SSP I 2

|   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|--|
| 1 | 0 | 2 | 0 | 0 | 0 | 0 |  |
|---|---|---|---|---|---|---|--|

19 2R

S SS SR SSP P SP SSP I 2

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

29 3R

AMBIENTE Litoral

OBSERVACIONES

### PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_\_ A  
FOSILES Y MICROFACIES \_\_\_\_\_ B  
FOSILES Y LITOLOGIA \_\_\_\_\_ C  
LITOLOGIA Y POSICION ESTRATIGRAFICA \_\_ D  
MICROFACIES Y POSICION ESTRATIGRAFICA \_\_ E

FOSILES \_\_\_\_\_ F  
ESTRATIGRAFICA \_\_\_\_\_ E  
MICROFACIES \_\_\_\_\_ M  
LITOLOGIA \_\_\_\_\_ L

### VALORACION

BUENA \_\_\_\_\_ B  
PROBABLE \_\_\_\_\_ P  
DUDOSA \_\_\_\_\_ D

6040

INFORMACION  
ADICIONAL

2

41 80

Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

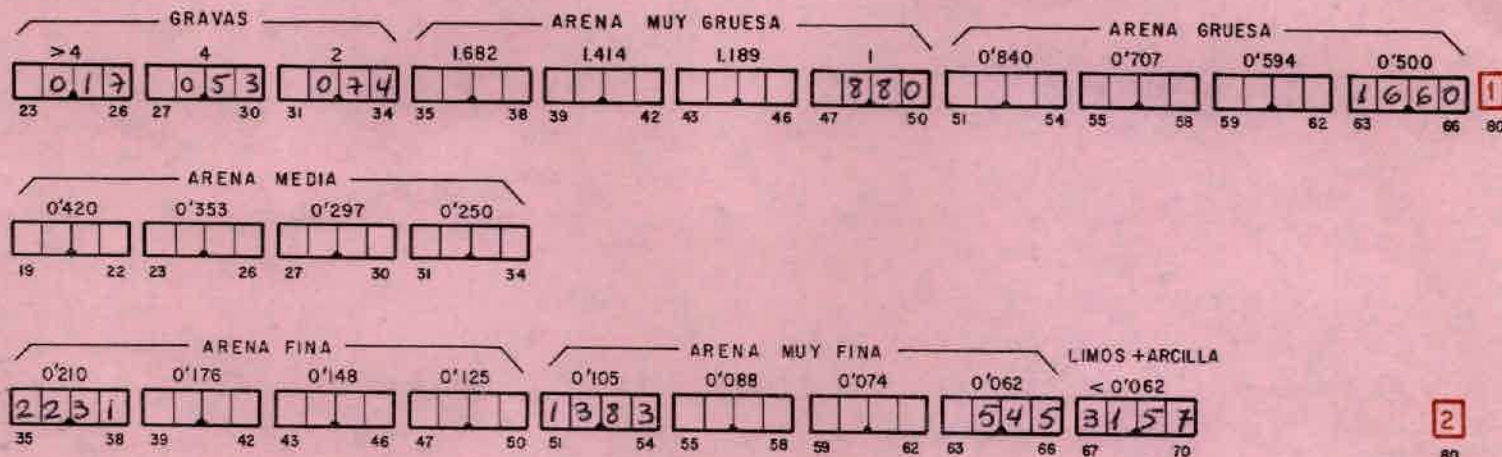
1 7 1 9 E G 0 5 9 5 2 6

1 5 7 9 14 15 18

## ANALISIS GRANULOMETRICOS

MAGNA

19 22

EDAD Cretácico Superior

S SS SR SSP P SP SSP I 2

1 1 0 2 0 0 0 0

19 28 29 38

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
FOSILES Y MICROFACIES \_ B  
FOSILES Y LITOLOGIA \_ C  
LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
ESTRATIGRAFICA \_ E  
MICROFACIES \_ M  
LITOLOGIA \_ L

## VALORACION

BUENA \_ B  
PROBABLE \_ P  
DUDOSA \_ D

AMBIENTE Litoral

G 6 H

OBSERVACIONES

INFORMACION  
ADICIONAL

3  
41 80

|         |      |      |            |    |                  |
|---------|------|------|------------|----|------------------|
| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719    | E405 | 9533 |            |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |  |    |
|----|--|----|
|    |  |    |
| 19 |  | 22 |

|             |       |       |       |                  |       |       |       |                 |       |       |       |         |      |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|-------|-------|------------------|-------|-------|-------|-----------------|-------|-------|-------|---------|------|----|----|----|----|----|----|----|----|----|----|----|----|
| GRAVAS      |       |       |       | ARENA MUY GRUESA |       |       |       | ARENA GRUESA    |       |       |       |         |      |    |    |    |    |    |    |    |    |    |    |    |    |
| >4          | 4     | 2     | 1.682 | 1.414            | 1.189 | 1     | 0'840 | 0'707           | 0'594 | 0'500 |       |         |      |    |    |    |    |    |    |    |    |    |    |    |    |
| 095         | 183   | 136   |       |                  |       | 1244  |       |                 |       | 2382  | 1     |         |      |    |    |    |    |    |    |    |    |    |    |    |    |
| 23          | 26    | 27    | 30    | 31               | 34    | 35    | 38    | 39              | 42    | 43    | 46    | 47      | 50   | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 80 |    |    |    |
| ARENA MEDIA |       |       |       | ARENA MUY FINA   |       |       |       | LIMOS + ARCILLA |       |       |       |         |      |    |    |    |    |    |    |    |    |    |    |    |    |
| 0'420       | 0'353 | 0'297 | 0'250 | 0'210            | 0'176 | 0'148 | 0'125 | 0'105           | 0'088 | 0'074 | 0'062 | < 0'062 |      |    |    |    |    |    |    |    |    |    |    |    |    |
|             |       |       |       | 3250             |       |       |       | 937             |       |       |       | 236     | 1537 |    |    |    |    |    |    |    |    |    |    |    |    |
| 19          | 22    | 23    | 26    | 27               | 30    | 31    | 34    | 35              | 38    | 39    | 42    | 43      | 46   | 47 | 50 | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 67 | 70 |

EDAD: Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

|          |    |    |     |   |    |     |   |    |
|----------|----|----|-----|---|----|-----|---|----|
| S        | SS | SR | SSP | P | SP | SSP | I | 2  |
| 12210000 |    |    |     |   |    |     |   |    |
| 19       |    |    |     |   |    |     |   | 26 |

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

AMBIENTE: Abanico aluvial. Facies proximales.

OBSERVACIONES

INFORMACION ADICIONAL

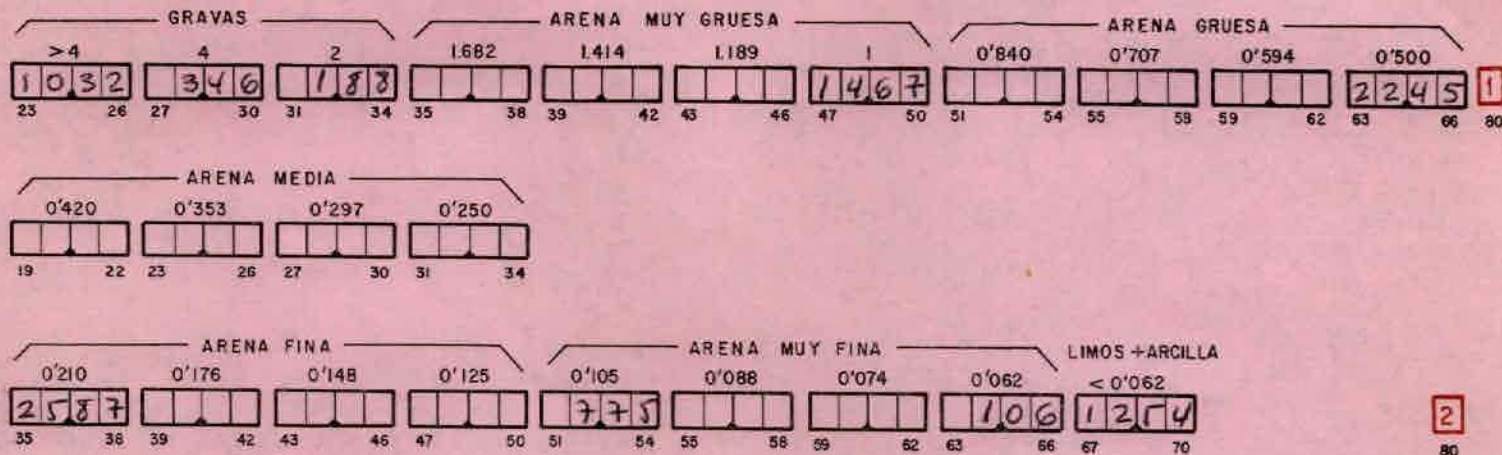
|    |    |
|----|----|
|    | 3  |
| 41 | 80 |

Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

1 5 7 9 14 15 18

## ANALISIS GRANULOMETRICOS

19 22



EDAD Mioceno.

## PROCEDIMIENTO DE DATACION

## VALORACION

S SS SR SSP P SP SSP I 2

12210000

19 28 29 38

FOSILES Y POSICION ESTRATIGRAFICA A  
FOSILES Y MICROFACIES B  
FOSILES Y LITOLOGIA C  
LITOLOGIA Y POSICION ESTRATIGRAFICA D  
MICROFACIES Y POSICION ESTRATIGRAFICA G

FOSILES F  
ESTRATIGRAFICA E  
MICROFACIES M  
LITOLOGIA L

BUENA B  
PROBABLE P  
DUDOSA D

D

B

AMBIENTE Abanico Aluvial. Facies prismas

121

OBSERVACIONES

INFORMACION  
ADICIONAL

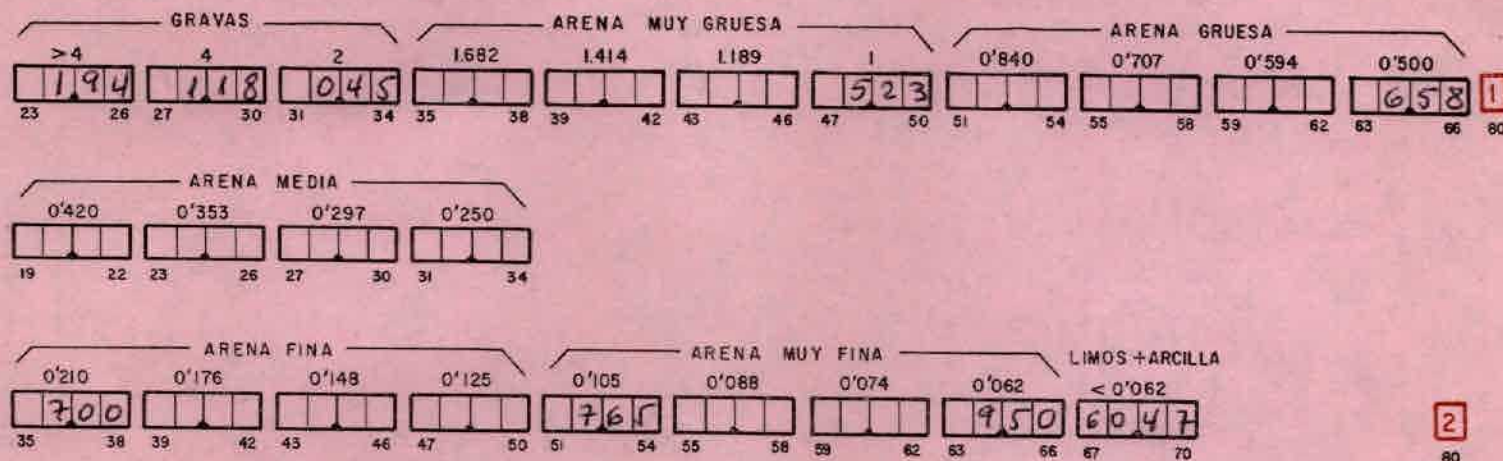
3

41 80

|         |      |      |            |    |                  |
|---------|------|------|------------|----|------------------|
| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719    | E    | G    | O          | S  | 9535             |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |    |
|----|----|
| 19 | 22 |
|----|----|

EDAD Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

|    |    |    |     |   |    |     |    |   |
|----|----|----|-----|---|----|-----|----|---|
| S  | SS | SR | SSP | P | SP | SSP | 1  | 2 |
| 1  | 2  | 2  | 1   | 0 | 0  | 0   | 0  | 0 |
| 19 |    |    |     |   |    |     | 28 |   |

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

39

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

40

AMBIENTE Abanico aluvial. Fases proximales

1/1

OBSERVACIONES

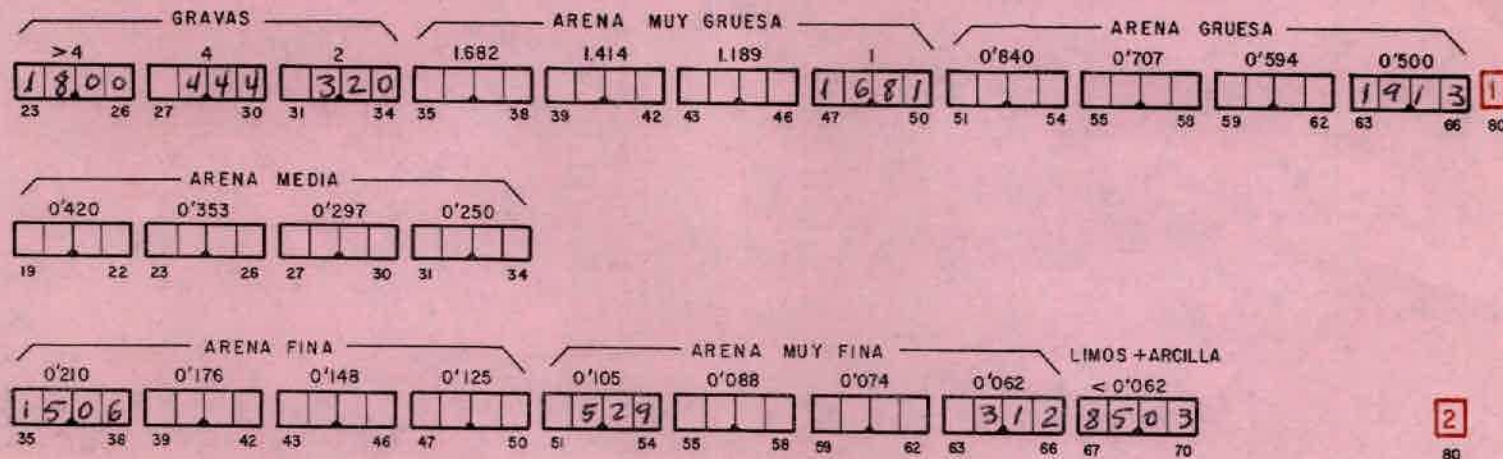
INFORMACION  
ADICIONAL

3  
41 80

|         |      |      |            |    |                  |
|---------|------|------|------------|----|------------------|
| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
| 1719E   | 905  | 9536 |            |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

|    |    |
|----|----|
| 19 | 22 |
|----|----|

EDAD Mioceno

|      |      |    |     |   |    |     |   |   |
|------|------|----|-----|---|----|-----|---|---|
| S    | SS   | SR | SSP | P | SP | SSP | 1 | 2 |
| 1231 | 0000 |    |     |   |    |     |   |   |
| 19   | 28   | 29 | 36  |   |    |     |   |   |

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

## VALORACION

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

AMBIENTE Ambiente aluvial facies proximales

OBSERVACIONES

INFORMACION ADICIONAL

|       |
|-------|
| 3     |
| 41 80 |

Nº HOJA EMP. REG. Nº MUESTRA TA PROFUNDIDAD (m.)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 7 | 1 | 9 | E | 4 | 0 | 5 | 9 | 5  | 3  | 7  |    |    |    |    |    |    |

## ANALISIS GRANULOMETRICOS

|    |    |    |    |
|----|----|----|----|
| 19 | 20 | 21 | 22 |
|----|----|----|----|

GRAVAS

|     |     |     |       |       |       |     |       |       |       |       |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-------|-------|-------|-----|-------|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|
| > 4 | 4   | 2   | 1.682 | 1.414 | 1.189 | 1   | 0'840 | 0'707 | 0'594 | 0'500 |    |    |    |    |    |    |    |    |    |    |    |    |
| 109 | 083 | 093 |       |       |       | 278 |       |       |       | 1120  |    |    |    |    |    |    |    |    |    |    |    |    |
| 23  | 26  | 27  | 30    | 31    | 34    | 35  | 38    | 39    | 42    | 43    | 46 | 47 | 50 | 51 | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 69 |

ARENA MUY GRUESA

ARENA GRUESA

ARENA MEDIA

|       |       |       |       |    |    |    |    |
|-------|-------|-------|-------|----|----|----|----|
| 0'420 | 0'353 | 0'297 | 0'250 |    |    |    |    |
|       |       |       |       |    |    |    |    |
| 19    | 22    | 23    | 26    | 27 | 30 | 31 | 34 |

ARENA FINA

|       |       |       |       |       |       |       |       |         |    |    |    |    |    |    |    |    |    |
|-------|-------|-------|-------|-------|-------|-------|-------|---------|----|----|----|----|----|----|----|----|----|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 |    |    |    |    |    |    |    |    |    |
| 1095  |       |       |       | 702   |       |       | 600   | 5320    |    |    |    |    |    |    |    |    |    |
| 35    | 38    | 39    | 42    | 43    | 46    | 47    | 50    | 51      | 54 | 55 | 58 | 59 | 62 | 63 | 66 | 67 | 70 |

ARENA MUY FINA

LIMOS + ARCILLA

EDAD Mioceno

S SS SR SSP P SP SSP I 2

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

## PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_ A  
 FOSILES Y MICROFACIES \_ B  
 FOSILES Y LITOLOGIA \_ C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA \_ D  
 MICROFACIES Y POSICION ESTRATIGRAFICA \_ G

FOSILES \_ F  
 ESTRATIGRAFICA \_ E  
 MICROFACIES \_ M  
 LITOLOGIA \_ L

## VALORACION

BUENA \_ B  
 PROBABLE \_ P  
 DUDOSA \_ D

AMBIENTE Abeuico aluvial. Faja máxima

OBSERVACIONES

INFORMACION  
ADICIONAL

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|----|----|----|----|----|----|----|----|----|----|

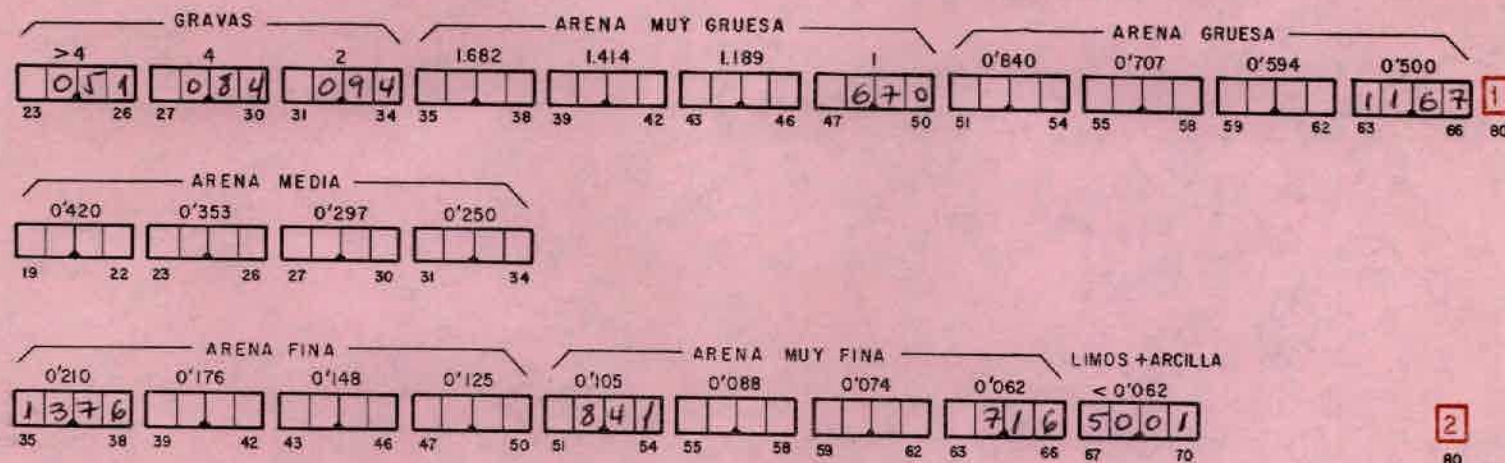
Nº HOJA EMP. REC. Nº MUESTRA TA PROFUNDIDAD (m.)

|   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |    |  |
|---|---|---|---|---|---|---|---|---|---|---|---|----|----|--|--|----|--|
| 1 | 7 | 1 | 9 | E | 4 | 0 | 5 | 9 | 5 | 3 | 8 |    |    |  |  |    |  |
| 1 | 5 | 7 | 9 |   |   |   |   |   |   |   |   | 14 | 15 |  |  | 18 |  |

## ANÁLISIS GRANULOMÉTRICOS

MAGNA

|    |  |  |  |    |
|----|--|--|--|----|
|    |  |  |  |    |
| 19 |  |  |  | 22 |

EDAD Mioceno

## PROCEDIMIENTO DE DATACION

## VALORACION

S SS SR SSP P SP SSP 1 2

|    |   |   |   |   |   |   |   |    |    |  |  |  |  |  |  |  |    |
|----|---|---|---|---|---|---|---|----|----|--|--|--|--|--|--|--|----|
| 1  | 2 | 3 | 1 | 0 | 0 | 0 | 0 |    |    |  |  |  |  |  |  |  |    |
| 19 |   |   |   |   |   |   |   | 28 | 29 |  |  |  |  |  |  |  | 38 |

FOSILES Y POSICION ESTRATIGRAFICA A  
 FOSILES Y MICROFACIES B  
 FOSILES Y LITOLOGIA C  
 LITOLOGIA Y POSICION ESTRATIGRAFICA D  
 MICROFACIES Y POSICION ESTRATIGRAFICA G

FOSILES F  
 ESTRATIGRAFICA E  
 MICROFACIES M  
 LITOLOGIA L

BUENA B  
 PROBABLE P  
 DUDOSA D

AMBIENTE Ambiente aluvial facies máxima

OBSERVACIONES

INFORMACION  
ADICIONAL

|    |    |
|----|----|
|    | 3  |
| 41 | 80 |

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---------|------|------|------------|----|------------------|
| 1719    | EG   | OS   | 9539       |    |                  |
| 1       | 5    | 7    | 9          | 14 | 15 18            |

## ANALISIS GRANULOMETRICOS

Diagram of the second section of the beach profile, showing various sand and silt/clay layers with their respective elevations and widths.

**GRAVAS** (Gravels):

- Layer 1: Elevation > 4, Width 4 (from 23 to 26).
- Layer 2: Elevation 2, Width 2 (from 27 to 29).
- Layer 3: Elevation 1.682, Width 4 (from 30 to 34).

**ARENA MUY GRUESA** (Very Coarse Sand):

- Layer 4: Elevation 1.414, Width 4 (from 35 to 39).
- Layer 5: Elevation 1.189, Width 4 (from 40 to 44).
- Layer 6: Elevation 1, Width 4 (from 45 to 49).
- Layer 7: Elevation 0'840, Width 4 (from 50 to 54).
- Layer 8: Elevation 0'707, Width 4 (from 55 to 59).
- Layer 9: Elevation 0'594, Width 4 (from 60 to 64).
- Layer 10: Elevation 0'500, Width 4 (from 65 to 69).

**ARENA MEDIA** (Medium Sand):

- Layer 11: Elevation 0'420, Width 4 (from 70 to 74).
- Layer 12: Elevation 0'353, Width 4 (from 75 to 79).
- Layer 13: Elevation 0'297, Width 4 (from 80 to 84).
- Layer 14: Elevation 0'250, Width 4 (from 85 to 89).

**ARENA FINA** (Fine Sand):

- Layer 15: Elevation 0'210, Width 4 (from 90 to 94).
- Layer 16: Elevation 0'176, Width 4 (from 95 to 99).
- Layer 17: Elevation 0'148, Width 4 (from 100 to 104).
- Layer 18: Elevation 0'125, Width 4 (from 105 to 109).

**ARENA MUY FINA** (Very Fine Sand):

- Layer 19: Elevation 0'105, Width 4 (from 110 to 114).
- Layer 20: Elevation 0'088, Width 4 (from 115 to 119).
- Layer 21: Elevation 0'074, Width 4 (from 120 to 124).
- Layer 22: Elevation 0'062, Width 4 (from 125 to 129).

**LIMOS + ARCILLA** (Silt + Clay):

- Layer 23: Elevation < 0'062, Width 4 (from 130 to 134).

EDAD 15 años

3 SS SR SSP P SP SSP I 2 S SS SR SSR P SP SSP I 2

12310000 19 28 29 38

### PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA \_\_\_\_ A  
FOSILES Y MICROFACIES \_\_\_\_ B  
FOSILES Y LITOLOGIA \_\_\_\_ C  
LITOLOGIA Y POSICION ESTRATIGRAFICA \_\_\_\_ D  
MICROFACIES Y POSICION ESTRATIGRAFICA \_\_\_\_ G

FOSILES \_\_\_\_\_ F  
ESTRATIGRAFICA \_\_\_\_\_ E  
MICROFACIES \_\_\_\_\_ M  
LITOLOGIA \_\_\_\_\_ L

### VALORACION

BUENA \_\_\_\_\_ B  
PROBABLE \_\_\_\_\_ P  
DUDOSA \_\_\_\_\_ D

AMBIENTE Almohado aluvial. Faja marginal.

OBSERVACIONES

INFORMACION  
ADICIONAL

41 80