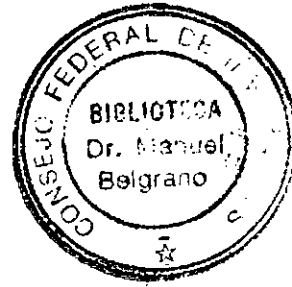


O/X.12  
I 29e  
II



38462

## ANEXO III

## MAPAS

O/X.12  
I 29e  
II

AREA PILOTO Nº 7, COL. JOSEFA  
Ea. SR. POMPEI  
317 ha.

| Sím -<br>bolo | Suelos  | IP | Ha |
|---------------|---|----|----|
| 1             | Typic Torriorthents<br>esquelética (50%)                      | 5  | 70 |
|               | Typic Torriorthents<br>media sobre esquelé-<br>tica (50%)     | 10 |    |
| 2             | Typic Torrifluvents<br>fina (80%)                             | 55 | 36 |
|               | Typic Torriorthents<br>fina sobre esquelé-<br>tica (20%)      | 14 |    |
| 3             | Typic Torrifluvents<br>media sobre gruesa<br>(100%)           | 30 | 65 |
| 4             | Typic Torrifluvents<br>media sobre fina<br>(100%)             | 20 | 48 |
| 5             | Typic Torrifluvents<br>media sobre fina<br>fase salina (100%) | 10 | 59 |
| 6             | Typic Torripsaments<br>gruesa (100%)                          | 25 | 56 |
| 7             | Typic Torrifluvents<br>media sobre gruesa<br>(80%)            | 30 | 37 |
|               | Typic Torriorthents<br>esquelética (20%)                      | 15 |    |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |



AREA PILOTO Nº 1, GUARDIA MITRE,  
PUEBLO  
180 ha.

| Sím -<br>bolo | Suelos  | IP        | Ha |
|---------------|---|-----------|----|
| 1             | Ustic Torrifuvents<br>media sobre esqueleti-<br>ca (80%)<br>Ustic Torrifuvents<br>media sobre gruesa<br>(20%) | 0<br>55   | 15 |
| 2             | Torrifuventic Ha-<br>plustolls media (80%)<br>Ustic Torrifuvents<br>media sobre gruesa<br>(20%)               | 100<br>55 | 94 |
| 3             | Torrifuventic Haplu-<br>tolls media (100%)  | 100       | 41 |
| 4             | Torrifuventic Haplu-<br>tolls media, fase sa-<br>lina (100%)  | 50        | 20 |
| 5             | Torrifuventic Haplu-<br>tolls media sobre fina<br>(100%)  | 20        | 7  |
| 6             | Torrifuventic Haplu-<br>tolls gruesa (100%)   | 25        | 3  |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |

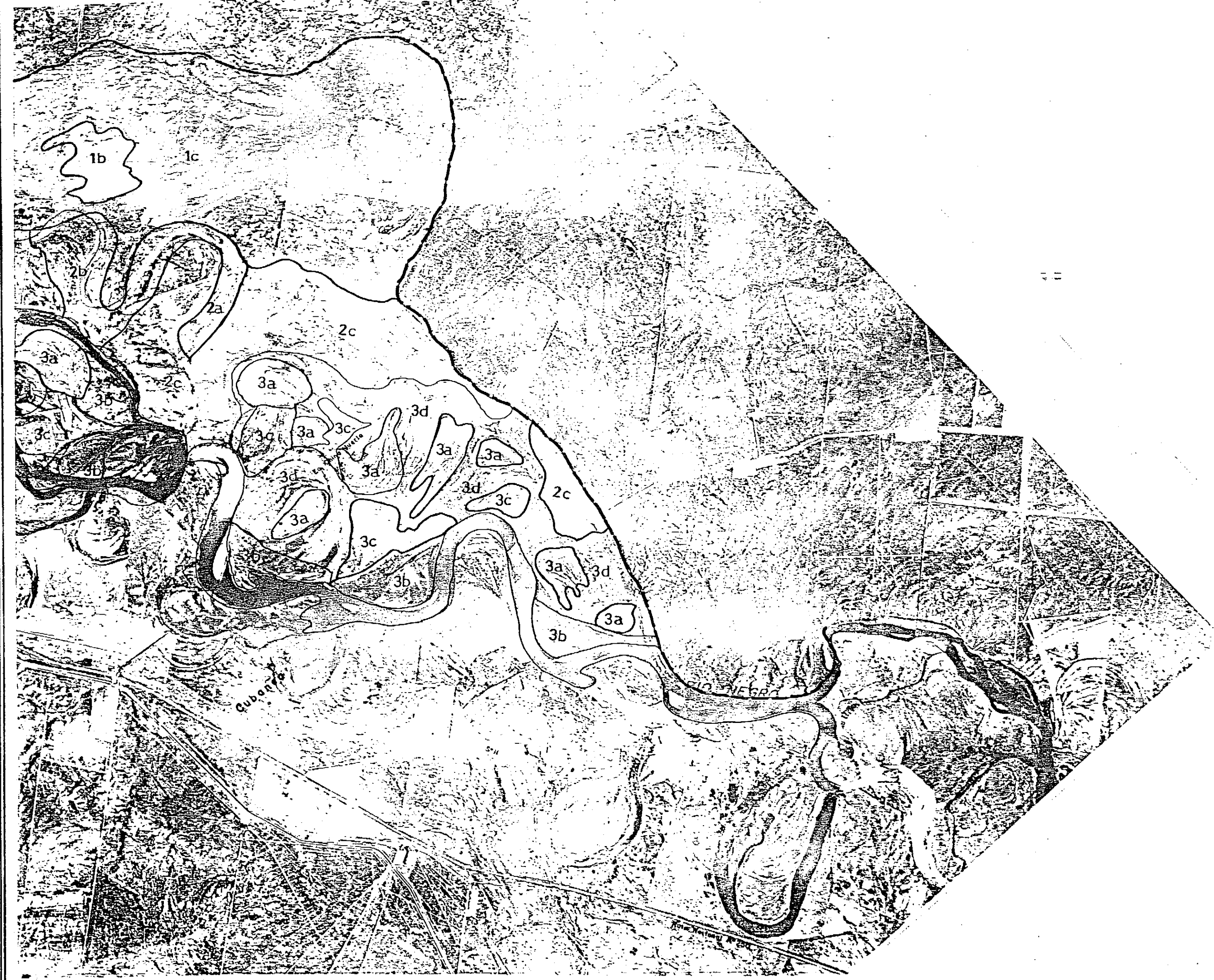
# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                       | IP  | Sup/Ha |
|----------|--|-----|--------|
| 1        |  |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)                | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)                    | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%)        | 15  | 7.425  |
|          | Typic Torriorthents (30%)                    | 50  |        |
|          | Typic Calciorthids (20%)                     | 25  |        |
|          | 1 c = Duric Natrargids (50%)                 | 10  | 34.420 |
|          | Typic Natrargids (30%)                       | 12  |        |
|          | Durorthidic Torriorthents (20%)              | 15  |        |
|          | 1 d = Duric Natrargids (60%)                 | 10  | 370    |
|          | Durorthidic Torriorthents (30%)              | 15  |        |
|          | Calcic aridic Argiustolls (10%)              | 70  |        |
|          | 1 e = Duric Natrargids (50%)                 | 10  | 2.270  |
|          | Durorthidic Torriorthents (50%)              | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)              | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)                    | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)             | 55  |        |
| subre-   | Typic Natrargids (10%)                       | 12  |        |
| ciente   | Aridic Haplustalfts (10%)                    | 70  |        |
|          | 2 b = Typic Torriorthents (50%)              | 5   | 10.185 |
|          | Typic Torrifluvents (30%)                    | 50  |        |
|          | Typic Torripsaments (20%)                    | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)              | 100 | 50.585 |
|          | Typic Torrifluvents fase salina (20 %)       | 50  |        |
|          | Torrifluventic Haplustolls (25%)             | 100 |        |
|          | Torrifluventic Haplustolls fase salina (10%) | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)              | 30  | 11.900 |
|          | Typic Torriorthents (20%)                    | 0   |        |
|          | Typic Torripsaments (20%)                    | 25  |        |

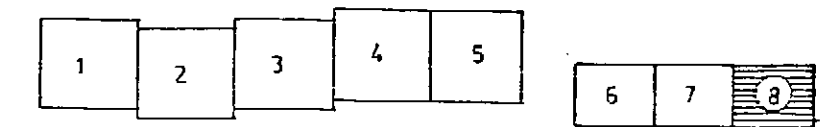
|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |





# UBICACION DE MAPAS

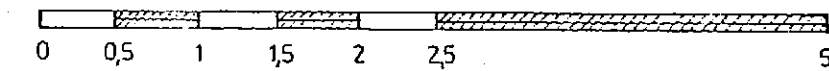


## REFERENCIAS

- LIMITE AREA DE ESTUDIO
- LIMITE UNIDADES DE SUELOS
- 1a. SIMBOLO UNIDADES DE SUELOS
- AREA PILOTO

ESC.: 150 000

ESCALA GRAFICA (EN KM)



CONSEJO FEDERAL DE INVERSIONES  
PROVINCIA DE RIO NEGRO

ESTUDIO DE SUELOS PARA LOCALIZACION DE SITIOS  
FORESTALES EXPT. N° 2428

MAPA de SUELOS

ING. AGR. JORGE A. IRISARTE  
MAPA N° 8  
SET. 1993

# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                       | IP  | Sup/Ha |
|----------|--|-----|--------|
| 1        |  |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)                | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)                    | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%)        | 15  | 7.425  |
|          | Typic Torriorthents (30%)                    | 50  |        |
|          | Typic Calciorthids (20%)                     | 25  |        |
|          | 1 c = Duric Natrargids (50%)                 | 10  | 34.420 |
|          | Typic Natrargids (30%)                       | 12  |        |
|          | Durorthidic Torriorthents (20%)              | 15  |        |
|          | 1 d = Duric Natrargids (60%)                 | 10  | 370    |
|          | Durorthidic Torriorthents (30%)              | 15  |        |
|          | Calcic aridic Argiustolls (10%)              | 70  |        |
|          | 1 e = Duric Natrargids (50%)                 | 10  | 2.270  |
|          | Durorthidic Torriorthents (50%)              | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)              | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)                    | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)             | 55  |        |
| subre-   | Typic Natrargids (10%)                       | 12  |        |
| ciente   | Aridic Haplustalfs (10%)                     | 70  |        |
|          | 2 b = Typic Torriorthents (50%)              | 5   | 10.185 |
|          | Typic Torrifluvents (30%)                    | 50  |        |
|          | Typic Torripsaments (20%)                    | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)              | 100 | 50.585 |
|          | Typic Torrifluvents fase salina (20 %)       | 50  |        |
|          | Torrifluventic Haplustolls (25%)             | 100 |        |
|          | Torrifluventic Haplustolls fase salina (10%) | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)              | 30  | 11.500 |
|          | Typic Torriorthents (20%)                    | 0   |        |
|          | Typic Torripsaments (20%)                    | 25  |        |

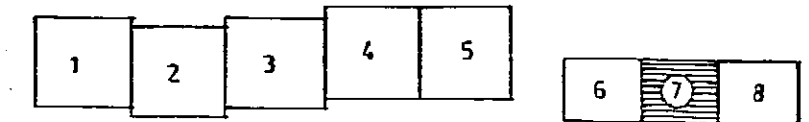
|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |





#### UBICACION DE MAPAS

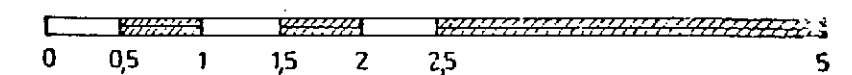


#### REFERENCIAS

- LIMITE AREA DE ESTUDIO
- LIMITE UNIDADES DE SUELOS
- 1a SIMBOLO UNIDADES DE SUELOS
- AREA PILOTO

ESC.: 150.000

ESCALA GRAFICA (EN KM)



CONSEJO FEDERAL DE INVERSIONES  
PROVINCIA DE RIO NEGRO

ESTUDIO DE SUELOS PARA LOCALIZACION DE SITIOS  
FORESTALES EXpte. N° 2438

MAPA de SUELOS

ING. AGR. JORGE A. IRISARRI

MAPA N° 7

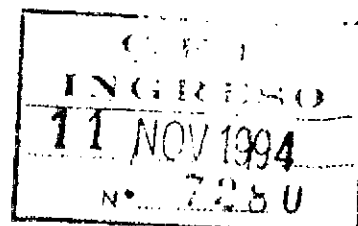
SETIEMBRE 1993



*Ministerio del Interior*  
*Subsecretaría de Relaciones Económicas*  
*con las Provincias*

Buenos Aires, 9 de noviembre 1994

Sr. Secretario General del  
Consejo Federal de Inversiones  
Ing. Juan José Ciáccera  
S. \_\_\_\_\_ D




De mi consideración:

La Subsecretaría de Relaciones Económicas con las provincias del Ministerio del Interior está desarrollando un programa de apoyo a la actividad productiva en áreas del interior del país, para lo cual se está implementando un sistema informativo a partir de un conjunto de fuentes públicas. En este marco, el objeto de esta nota es solicitar a ese organismo la información que dispone sobre las exportaciones de origen provincial.

El pedido concreto abarca la serie 1983/1993 de valores de exportación por tipo de producto para cada una de las provincias del país y el total nacional. En tanto tengamos una respuesta afirmativa a nuestra solicitud, personal de la Subsecretaría acercaría a esa institución el soporte magnético necesario a fin de transportar la información de esa manera.

Hago propicia esta oportunidad para enviarle a Ud. mis respetos

  
D<sup>o</sup>. RICARDO ANGEL MECCA  
SUBSECRETARIO DE RELACIONES  
ECONOMICAS CON LAS PROVINCIAS

*Marquez*

862-9723

# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                | IP  | Sup/Ha |
|----------|---------------------------------------|-----|--------|
| 1        |                                       |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)         | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)             | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%) | 15  | 7.425  |
|          | Typic Torriorthents (30%)             | 50  |        |
|          | Typic Calciorthids (20%)              | 25  |        |
|          | 1 c = Duric Natrargids (50%)          | 10  | 34.420 |
|          | Typic Natrargids (30%)                | 12  |        |
|          | Durorthidic Torriorthents (20%)       | 15  |        |
|          | 1 d = Duric Natrargids (60%)          | 10  | 370    |
|          | Durorthidic Torriorthents (30%)       | 15  |        |
|          | Calcic aridic Argiustolls (10%)       | 70  |        |
|          | 1 e = Duric Natrargids (50%)          | 10  | 2.270  |
|          | Durorthidic Torriorthents (50%)       | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)       | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)             | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)      | 55  |        |
| subre-   | Typic Natrargids (10%)                | 12  |        |
| ciente   | Aridic Haplustalfts (10%)             | 70  |        |
|          | 2 b = Typic Torriorthents (50%)       | 5   | 10.185 |
|          | Typic Torrifluvents (30%)             | 50  |        |
|          | Typic Torripsaments (20%)             | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)       | 100 | 50.585 |
|          | Typic Torrifluvents fase              |     |        |
|          | salina (20 %)                         | 50  |        |
|          | Torrifluventic Haplustolls (25%)      | 100 |        |
|          | Torrifluventic Haplustolls            |     |        |
|          | fase salina (10%)                     | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)       | 30  | 11.300 |
|          | Typic Torriorthents (20%)             | 0   |        |
|          | Typic Torripsaments (20%)             | 25  |        |

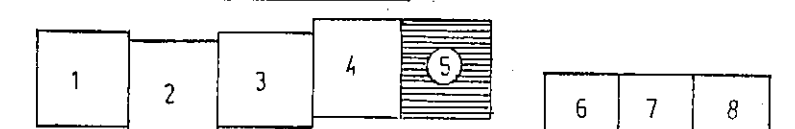
|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |





#### UBICACION DE MAPAS

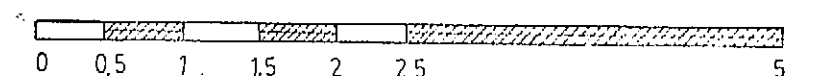


#### REFERENCIAS

- LIMITE AREA DE ESTUDIO
- LIMITE UNIDADES DE SUELOS
- 1a SIMBOLO UNIDADES DE SUELOS
- AREA PILOTO

ESC.: 1:50.000

ESCALA GRAFICA (EN KM.)



CONSEJO FEDERAL DE INVERSIONES  
PROVINCIA DE RIO NEGRO

ESTUDIO DE SUELOS PARA LOCALIZACION DE SITIOS  
FORESTALES EXPTE. Nº 2438

MAPA de SUELOS

ING. AGR. JORGE A. INSARRI

MAPA Nº 5

SET. 1993-

# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                       | IP  | Sup/Ha |
|----------|--|-----|--------|
| 1        |  |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)                | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)                    | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%)        | 15  | 7.425  |
|          | Typic Torriorthents (30%)                    | 50  |        |
|          | Typic Calciorthids (20%)                     | 25  |        |
|          | 1 c = Duric Natrargids (50%)                 | 10  | 34.420 |
|          | Typic Natrargids (30%)                       | 12  |        |
|          | Durorthidic Torriorthents (20%)              | 15  |        |
|          | 1 d = Duric Natrargids (60%)                 | 10  | 170    |
|          | Durorthidic Torriorthents (30%)              | 15  |        |
|          | Calcic aridic Argiustolls (10%)              | 70  |        |
|          | 1 e = Duric Natrargids (50%)                 | 10  | 2.170  |
|          | Durorthidic Torriorthents (50%)              | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)              | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)                    | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)             | 55  |        |
| subre-   | Typic Natrargids (10%)                       | 12  |        |
| ciente   | Aridic Haplustalfts (10%)                    | 70  |        |
|          | 2 b = Typic Torriorthents (50%)              | 5   | 10.135 |
|          | Typic Torrifluvents (30%)                    | 50  |        |
|          | Typic Torripsaments (20%)                    | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)              | 100 | 50.585 |
|          | Typic Torrifluvents fase salina (20 %)       | 50  |        |
|          | Torrifluventic Haplustolls (25%)             | 100 |        |
|          | Torrifluventic Haplustolls fase salina (10%) | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)              | 30  | 11.900 |
|          | Typic Torriorthents (20%)                    | 0   |        |
|          | Typic Torripsaments (20%)                    | 25  |        |

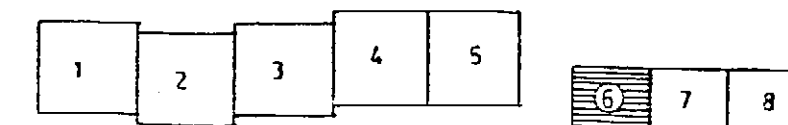
|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |





#### UBICACION DE MAPAS

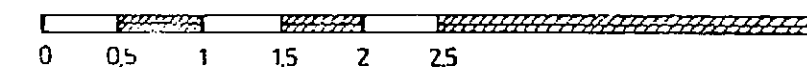


#### REFERENCIAS

- LIMITE AREA DE ESTUDIO
- LIMITE UNIDADES DE SUELOS
- 1a SIMBOLO UNIDADES DE SUELOS
- AREA PILOTO

ESC.: 150.000

ESCALA GRAFICA (EN KM)



CONSEJO FEDERAL DE INVERSIONES  
PROVINCIA DE RIO NEGRO

ESTUDIO DE SUELOS PARA LOCALIZACION DE SITIOS  
FORESTALES EXPTE. Nº 2438

MAPA de SUELOS

ING. AGR. JORGE A. IRISARRI

MAPA Nº 6

SET. 1.993.



# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                | IP  | Sup/Ha |
|----------|---------------------------------------|-----|--------|
| 1        |                                       |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)         | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)             | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%) | 15  | 7.425  |
|          | Typic Torriorthents (30%)             | 50  |        |
|          | Typic Calciorthids (20%)              | 25  |        |
|          | 1 c = Duric Natrargids (50%)          | 10  | 34.420 |
|          | Typic Natrargids (30%)                | 12  |        |
|          | Durorthidic Torriorthents (20%)       | 15  |        |
|          | 1 d = Duric Natrargids (60%)          | 10  | 370    |
|          | Durorthidic Torriorthents (30%)       | 15  |        |
|          | Calcic aridic Argiustolls (10%)       | 70  |        |
|          | 1 e = Duric Natrargids (50%)          | 10  | 2.270  |
|          | Durorthidic Torriorthents (50%)       | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)       | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)             | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)      | 55  |        |
| subre-   | Typic Natrargids (10%)                | 12  |        |
| ciente   | Aridic Haplustalfts (10%)             | 70  |        |
|          | 2 b = Typic Torriorthents (50%)       | 5   | 10.185 |
|          | Typic Torrifluvents (30%)             | 50  |        |
|          | Typic Torripsaments (20%)             | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)       | 100 | 50.585 |
|          | Typic Torrifluvents fase              |     |        |
|          | salina (20 %)                         | 50  |        |
|          | Torrifluventic Haplustolls (25%)      | 100 |        |
|          | Torrifluventic Haplustolls            |     |        |
|          | fase salina (10%)                     | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)       | 30  | 11.300 |
|          | Typic Torriorthents (20%)             | 0   |        |
|          | Typic Torripsaments (20%)             | 25  |        |

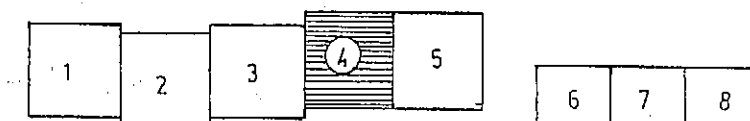
|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |





UBICACION DE MAPAS

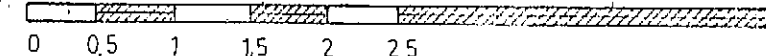


REFERENCIAS

- LIMITE AREA DE ESTUDIO
- LIMITE UNIDADES DE SUELOS
- 1a SIMBOLO UNIDADES DE SUELOS
- AREA PILOTO

ESC.: 1:50.000

ESCALA GRAFICA (EN KM.)



CONSEJO FEDERAL DE INVERSIONES  
PROVINCIA DE RIO NEGRO

ESTUDIO DE SUELOS PARA LOCALIZACION DE SITIOS  
FORESTALES EXPTE. Nº 2438

MAPA de SUELOS

ING. AGR. JORGE A. IRISARRI

MAPA Nº 4

SET. 1993-

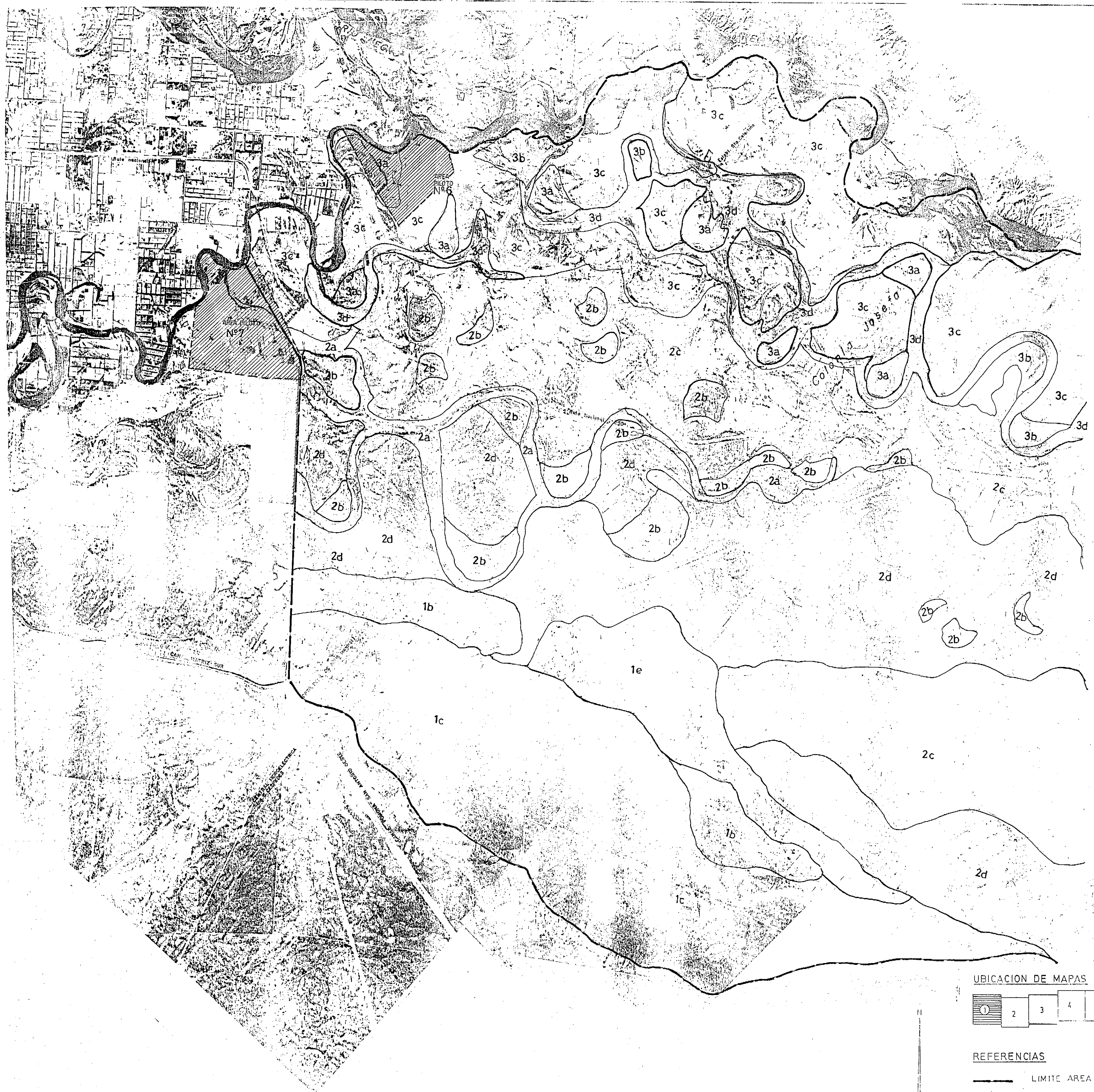
# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                | IP  | Sup/Ha |
|----------|---------------------------------------|-----|--------|
| 1        |                                       |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)         | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)             | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%) | 15  | 7.425  |
|          | Typic Torriorthents (30%)             | 50  |        |
|          | Typic Calciorthids (20%)              | 25  |        |
|          | 1 c = Duric Natrargids (50%)          | 10  | 34.420 |
|          | Typic Natrargids (30%)                | 12  |        |
|          | Durorthidic Torriorthents (20%)       | 15  |        |
|          | 1 d = Duric Natrargids (60%)          | 10  | 370    |
|          | Durorthidic Torriorthents (30%)       | 15  |        |
|          | Calcic aridic Argiustolls (10%)       | 70  |        |
|          | 1 e = Duric Natrargids (50%)          | 10  | 2.270  |
|          | Durorthidic Torriorthents (50%)       | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)       | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)             | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)      | 55  |        |
| subre-   | Typic Natrargids (10%)                | 12  |        |
| ciente   | Aridic Haplustalfs (10%)              | 70  |        |
|          | 2 b = Typic Torriorthents (50%)       | 5   | 10.185 |
|          | Typic Torrifluvents (30%)             | 50  |        |
|          | Typic Torripsaments (20%)             | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)       | 100 | 50.585 |
|          | Typic Torrifluvents fase              |     |        |
|          | salina (20 %)                         | 50  |        |
|          | Torrifluventic Haplustolls (25%)      | 100 |        |
|          | Torrifluventic Haplustolls            |     |        |
|          | fase salina (10%)                     | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)       | 30  | 11.300 |
|          | Typic Torriorthents (20%)             | 0   |        |
|          | Typic Torripsaments (20%)             | 25  |        |

|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |

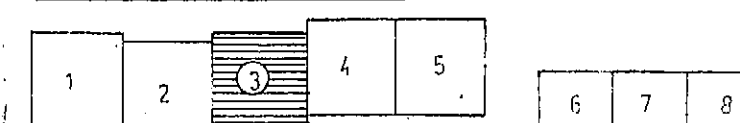








UBICACION DE MAPAS

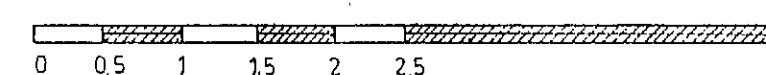


REFERENCIAS

- LIMITE AREA DE ESTUDIO
- LIMITE UNIDADES DE SUELOS
- 1a SIMBOLO UNIDADES DE SUELOS
- AREA PILOTO

ESC: 1:50.000

ESCALA GRAFICA (EN KM.)



CONSEJO FEDERAL DE INVERSIONES  
PROVINCIA DE RIO NEGRO

ESTUDIO DE SUELOS PARA LOCALIZACION DE SITIOS  
FORESTALES EXPT. Nº 2438

MAPA de SUELOS

ING. AGR. JORGE A. IRISARRI

MAPA Nº 3

SET. 1993-

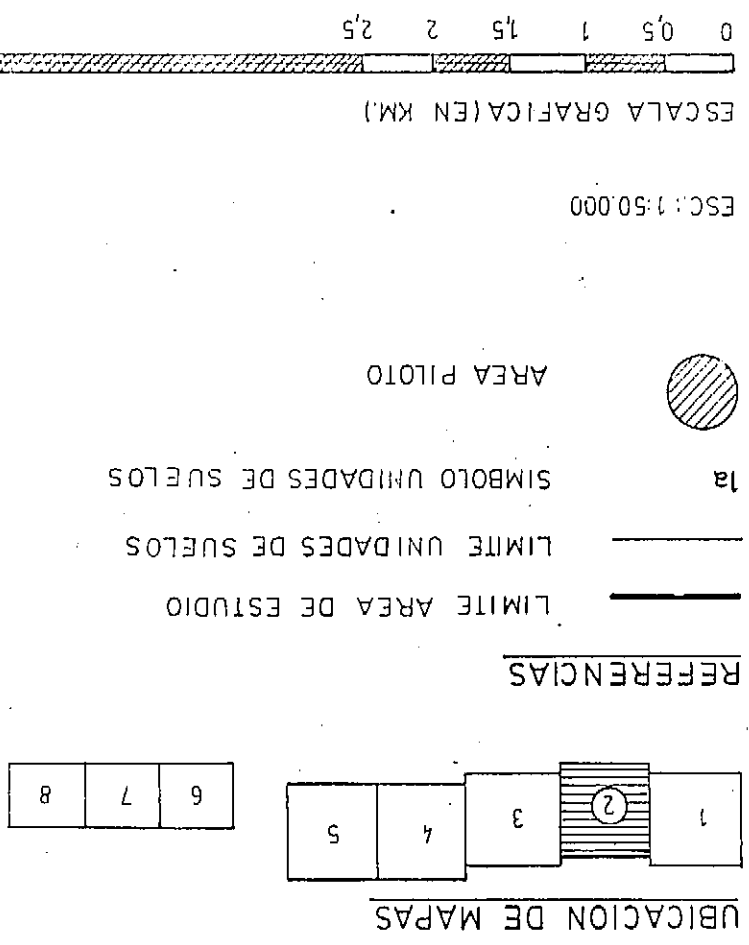
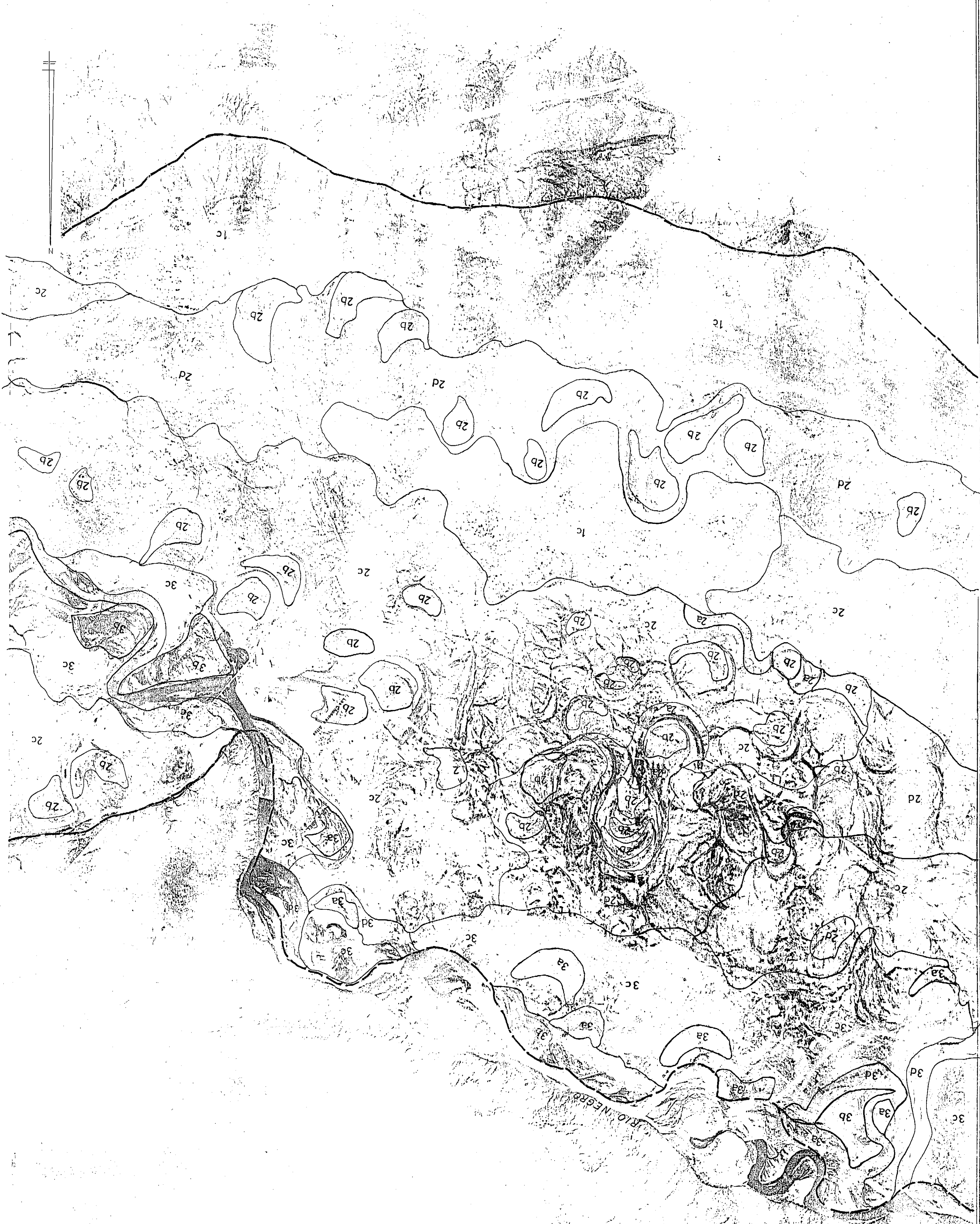
# LEYENDA DE RECONOCIMIENTO DE SUELOS

| Geoforma | SUELOS                                       | IP  | Sup/Ha |
|----------|--|-----|--------|
| 1        |  |     |        |
| Terraza  | 1 a = Duric Natrargids (70 %)                | 10  | 7.105  |
| Aluvial  | Typic Torripsaments (30%)                    | 25  |        |
| Antigua  | 1 b = Durorthidic Torriorthents (50%)        | 15  | 7.425  |
|          | Typic Torriorthents (30%)                    | 50  |        |
|          | Typic Calciorthids (20%)                     | 25  |        |
|          | 1 c = Duric Natrargids (50%)                 | 10  | 34.420 |
|          | Typic Natrargids (30%)                       | 12  |        |
|          | Durorthidic Torriorthents (20%)              | 15  |        |
|          | 1 d = Duric Natrargids (60%)                 | 10  | 370    |
|          | Durorthidic Torriorthents (30%)              | 15  |        |
|          | Calcic aridic Argiustolls (10%)              | 70  |        |
|          | 1 e = Duric Natrargids (50%)                 | 10  | 2.270  |
|          | Durorthidic Torriorthents (50%)              | 15  |        |
| 2        | 2 a = Typic Torrifluvents (55%)              | 30  | 11.575 |
| terrazza | Ustic Torrifluvents (15%)                    | 30  |        |
| aluvial  | Torrifluventic Haplustolls (10%)             | 55  |        |
| subre-   | Typic Natrargids (10%)                       | 12  |        |
| ciente   | Aridic Haplustalfts (10%)                    | 70  |        |
|          | 2 b = Typic Torriorthents (50%)              | 5   | 10.185 |
|          | Typic Torrifluvents (30%)                    | 50  |        |
|          | Typic Torripsaments (20%)                    | 25  |        |
|          | 2 c = Typic Torrifluvents (45%)              | 100 | 50.385 |
|          | Typic Torrifluvents fase salina (20 %)       | 50  |        |
|          | Torrifluventic Haplustolls (25%)             | 100 |        |
|          | Torrifluventic Haplustolls fase salina (10%) | 50  |        |
|          | 2 d = Typic Torrifluvents (60%)              | 30  | 11.500 |
|          | Typic Torriorthents (20%)                    | 0   |        |
|          | Typic Torripsaments (20%)                    | 25  |        |

|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| <30     | No Apta            |





# LEYENDA DE RECONOCIMIENTO DE SUELOS

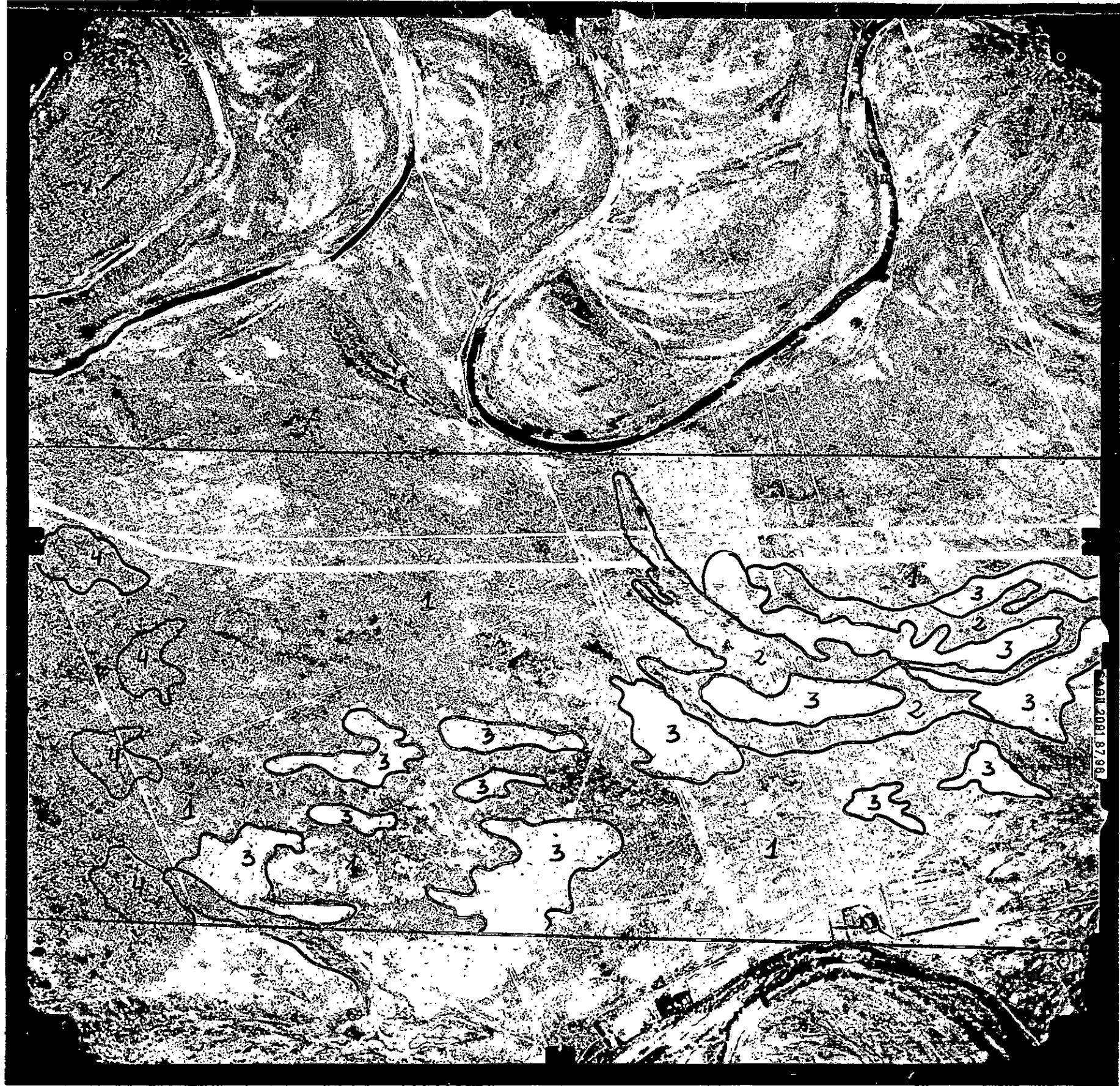
| Geoforma | SUELOS                                       | IP  | Sup <sup>2</sup> Ha |
|----------|--|-----|---------------------|
| 1        |  |     |                     |
| Terraza  | 1 a = Duric Natrargids (70 %)                | 10  | 7.105               |
| Aluvial  | Typic Torripsaments (30%)                    | 25  |                     |
| Antigua  | 1 b = Durorthidic Torriorthents (50%)        | 15  | 7.425               |
|          | Typic Torriorthents (30%)                    | 50  |                     |
|          | Typic Calciorthids (20%)                     | 25  |                     |
|          | 1 c = Duric Natrargids (50%)                 | 10  | 34.420              |
|          | Typic Natrargids (30%)                       | 12  |                     |
|          | Durorthidic Torriorthents (20%)              | 15  |                     |
|          | 1 d = Duric Natrargids (60%)                 | 10  | 370                 |
|          | Durorthidic Torriorthents (30%)              | 15  |                     |
|          | Calcic aridic Argiustolls (10%)              | 70  |                     |
|          | 1 e = Duric Natrargids (50%)                 | 10  | 2.270               |
|          | Durorthidic Torriorthents (50%)              | 15  |                     |
| 2        | 2 a = Typic Torrifluvents (55%)              | 30  | 11.575              |
| terrazza | Ustic Torrifluvents (15%)                    | 30  |                     |
| aluvial  | Torrifluventic Haplustolls (10%)             | 55  |                     |
| subre-   | Typic Natrargids (10%)                       | 12  |                     |
| ciente   | Aridic Haplustalfts (10%)                    | 70  |                     |
|          | 2 b = Typic Torriorthents (50%)              | 5   | 10.185              |
|          | Typic Torrifluvents (30%)                    | 50  |                     |
|          | Typic Torripsaments (20%)                    | 25  |                     |
|          | 2 c = Typic Torrifluvents (45%)              | 100 | 50.585              |
|          | Typic Torrifluvents fase salina (20 %)       | 50  |                     |
|          | Torrifluventic Haplustolls (25%)             | 100 |                     |
|          | Torrifluventic Haplustolls fase salina (10%) | 50  |                     |
|          | 2 d = Typic Torrifluvents (60%)              | 30  | 11.900              |
|          | Typic Torriorthents (20%)                    | 0   |                     |
|          | Typic Torripsaments (20%)                    | 25  |                     |

|          |       |                                       |     |        |
|----------|-------|---------------------------------------|-----|--------|
| 3        | 3 a = | Typic Torriorthents (50%)             | 5   | 4.200  |
| planicie |       | Typic Torrifluvents (20%)             | 100 |        |
| aluvial  |       | Typic Torripsaments (20%)             | 25  |        |
| reciente |       | Ustic Torrifluvents (10%)             | 100 |        |
|          | 3 b = | Typic Torrifluvents (50%)             | 20  | 1.630  |
|          |       | Typic Torrifluvents fase              |     |        |
|          |       | salina (20%)                          | 25  |        |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Acuic Torriorthents (10%)             | 0   |        |
|          | 3 c = | Typic Torrifluvents (60%)             | 100 | 12.610 |
|          |       | Typic Torripsaments (20%)             | 25  |        |
|          |       | Torrifluventic Haplustolls (10%)      | 100 |        |
|          |       | Typic Torriorthents (10%)             | 0   |        |
|          | 3 d = | Typic Torrifluvents (50%)             | 20  | 4.375  |
|          |       | Typic Torriorthents (30%)             | 0   |        |
|          |       | Typic Torrifluvents fase salina (20%) | 25  |        |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |

AREA PILOTO Nº 4, NEGRO MUERTO,  
Ea. EL EDEN  
240 ha

| Sím -<br>bolo | Suelos   | IP | Ha  |
|---------------|--|----|-----|
| 1             | Duric Natrargids fina<br>(100%)                  | 12 | 89  |
| 2             | Typic Natrargids fina<br>fase salina (100%)      | 12 | 11  |
| 3             | Durorthidic Torriorthents<br>media fase salina   | 12 | 140 |
| 4             | Duric Natrargids media<br>sobre fina fase salina | 10 | 5   |



| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |





AREA PILOTO Nº 5, NEGRO MUERTO,  
Ea. NEGRO MUERTO  
300 ha.

| Sím -<br>bolo | Suelos  | IP        | Ha  |
|---------------|---|-----------|-----|
| 1             | Typic Torriorthents<br>gruesa sobre esquelé-<br>tica (100%)   | 0         | 17  |
| 2             | Torrifluventic Haplus-<br>tolls media (80%)<br>Torrifluventic Haplus-<br>tolls media fase sali-<br>na (20%) | 100<br>50 | 7   |
| 3             | Torrifluventic Haplus-<br>tolls media (100%)  | 100       | 133 |
| 4             | Torrifluventic Haplus-<br>tolls media fase sali-<br>na (100%)   | 50        | 26  |
| 5             | Typic Natrargids fina<br>(100%)   | 10        | 9   |
| 6             | Typic Torrifluvents<br>media (100%)   | 100       | 37  |
| 7             | Typic Torrifluvents<br>media (80%)<br>Aridic HaplustalFs<br>fina (20%)                                      | 100<br>70 | 11  |
| 8             | Aridic HaplustalFs<br>fina (100%)   | 70        | 60  |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |



AREA PILOTO Nº 3, GUARDIA MITRE  
Ea. LA INVERNADA  
263 ha.

| Sím -<br>bolo | Suelos   | IP  | Ha |
|---------------|--|-----|----|
| 1             | Typic Torriorthents<br>gruesa (100%)                         | 0   | 11 |
| 2             | Ustic Torrifluvents<br>media (100%)                          | 100 | 37 |
| 3             | Acuic Torriorthents<br>gruesa (100%)                         | 0   | 23 |
| 4             | Ustic Torrifluvents<br>media sobre gruesa (100%)             | 28  | 11 |
| 5             | Ustic Torrifluvents media<br>fase salina (100%)              | 50  | 60 |
| 6             | Torrifluventic Haplus-<br>tolls media (100%)                 | 100 | 41 |
| 7             | Torrifluventic Haplus-<br>tolls media sobre<br>gruesa (100%) | 55  | 18 |
| 8             | Typic Haplustolls media<br>(100%)                            | 100 | 19 |
| 9             | Torrifluventic Haplus-<br>tolls media fase salina<br>(100%)  | 50  | 43 |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| <30     | No Apta            |





AREA PILOTO Nº 6, COL. JOSEFA  
Ea. CABASSA,  
317 ha.

| Sím -<br>bolo | Suelos   | IP       | Ha  |
|---------------|--|----------|-----|
| 1             | Typic Torriorthens<br>media sobre esquelé-<br>tica (100%)  | 20       | 190 |
| 2             | Typic Torrifluvents me-<br>dia sobre fina (100%)   | 20       | 14  |
| 3             | Typic Torrifluvents me-<br>dia fase salina (50%)<br>Typic Torrifluvents me-<br>dia sobre gruesa fase<br>salina (50%) | 25<br>30 | 63  |
| 4             | Typic Torrifluvents<br>media (100%)  | 100      | 102 |
| 5             | Typic Torripsaments<br>gruesa (100%)   | 25       | 48  |

| Puntaje | Clase              |
|---------|--------------------|
| > 80    | Muy Apta           |
| 80-71   | Apta               |
| 70-50   | Moderadamente Apta |
| 49-30   | Marginalmente Apta |
| < 30    | No Apta            |

