



GENERALITAT DE CATALUNYA

DEPARTAMENT DE POLÍTICA
TERRITORIAL I OBRES PÚBLIQUES
SERVEI GEOLÒGIC DE CATALUNYA

LA GEOLOGIA EN CATALUNYA

PROBLEMÀTICA ACTUAL Y PERSPECTIVAS
PLANOS

Barcelona, Octubre 1980

50027

RECURSOS MINEROS EN CATALUNYA

A. VILADEVALL

(Departamento de Prospección Geológica y
Geofísica, Universidad de Barcelona)

50027



FRANÇA



OSCA

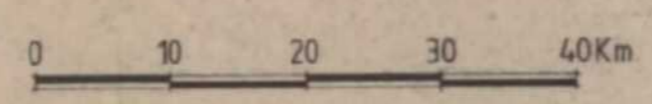
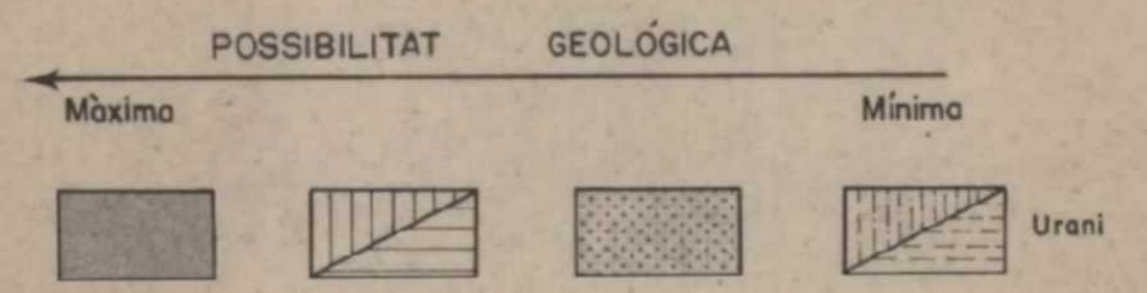
SARAGOSSA

TEROL

CASTELLÓ

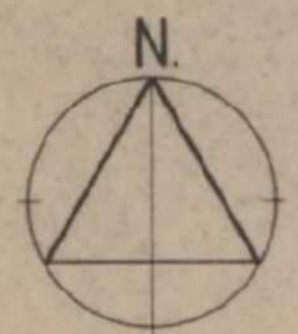
MAR MEDITERRANI

MAR





FRANÇA



OSCA

SARAGOSSA

TEROL

CASTELLÓ

Viella

Sort

La Seu d'Urgell

Puigcenda

Figueres

Tremp

Ripoll

Olot

Berga

Solsona

Vic

Girona

La Bisbal

Balaguer

Sta. Coloma de Farners

Manresa

Lleida

Tàrraga

Cervera

Igualada

Granollers

Les Borges
Blanques

Terrassa

Sabadell

Arenys de Mar

Mataró

Montblanc

Vilafranca del
Penedès

St. Feliu de
Llobregat

Barcelona

Valls

El Vendrell

Vilanova i
la Geltrú

Falset

Reus

Tarragona

Gandesa

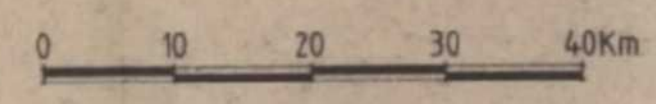
Mora d'Ebre

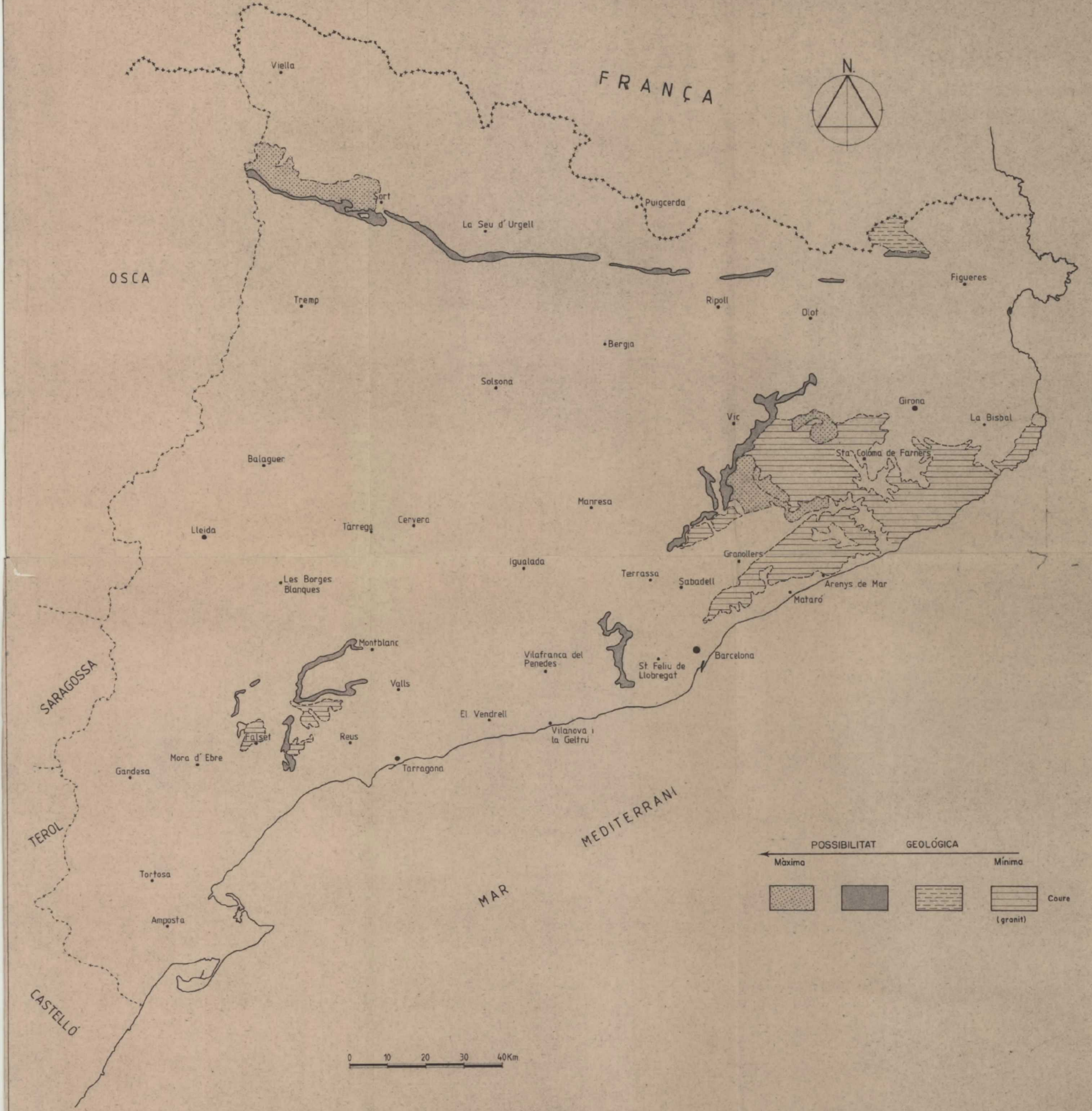
Tortosa

Ampostà

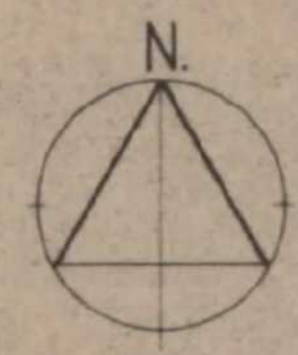
MAR MEDITERRANI

POSSIBILITAT		GEOLÒGICA	
Minima			Màxima
			Fluor
			Bari





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OSCA

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MAR MEDITERRANI

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la Geltrú

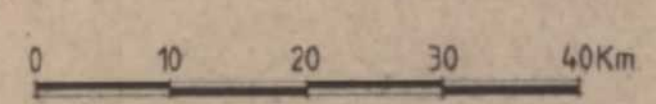
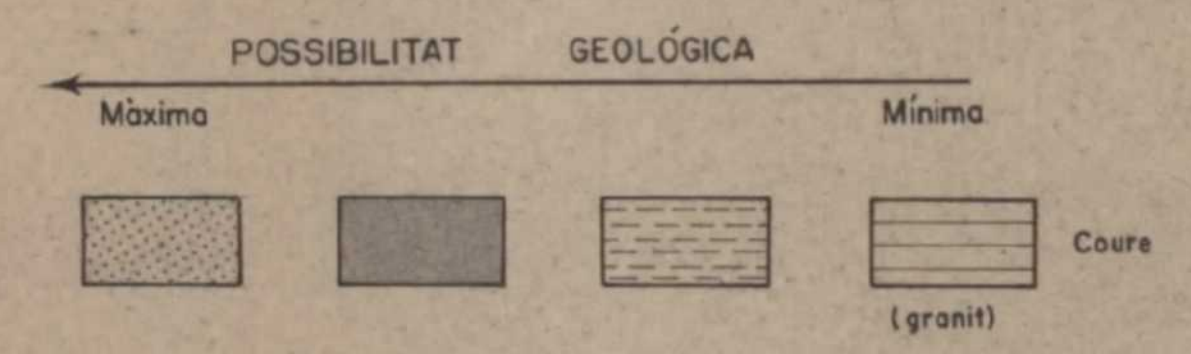
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Mora d'Ebre

Tarragona

Tortosa

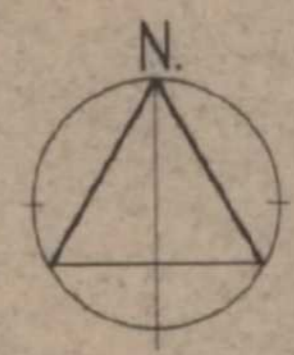
Amposta





OSCA

FRANÇA



Viella

Sort

Puigcerda

La Seu d'Urgell

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Ripoll

Olot

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SARAGOSSA

Montblanc

Vilafranca del
Penedes

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Llobregat

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El Vendrell

Vilanova i
la Geltrú

TEROL

MEDITERRANI

MAR

Gandesa

Móra d'Ebfe

Falset

Reus

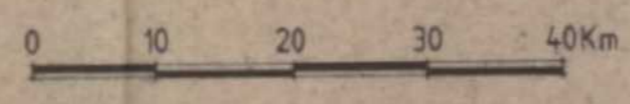
Tarragona

Tortosa

Amposta

CASTELLÓ

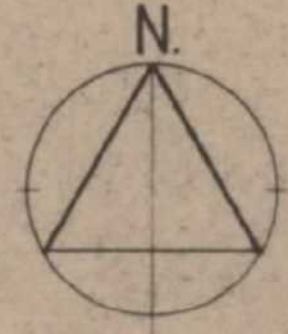
POSSIBILITAT		GEOLÓGICA	
Minima			Maxima
			Zenc
			Plom





OSCA

FRANÇA



Viella

Sort

La Seu d'Urgell

Puigcerda

Figueres

Tremp

Ripoll

Olot

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Cervera

Granollers

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Reus

Gandesa

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TEROL

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Tortosa

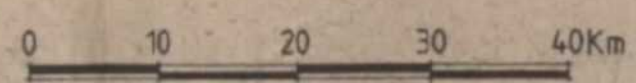
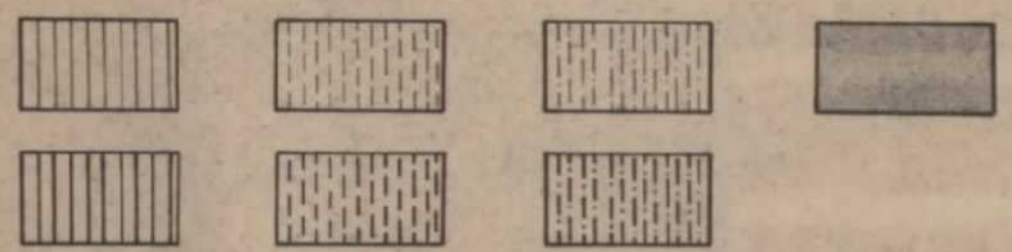
Amposta

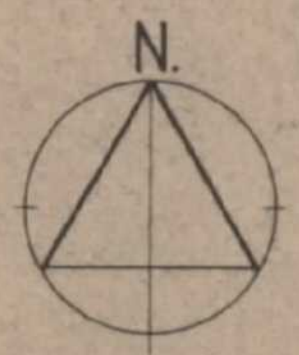
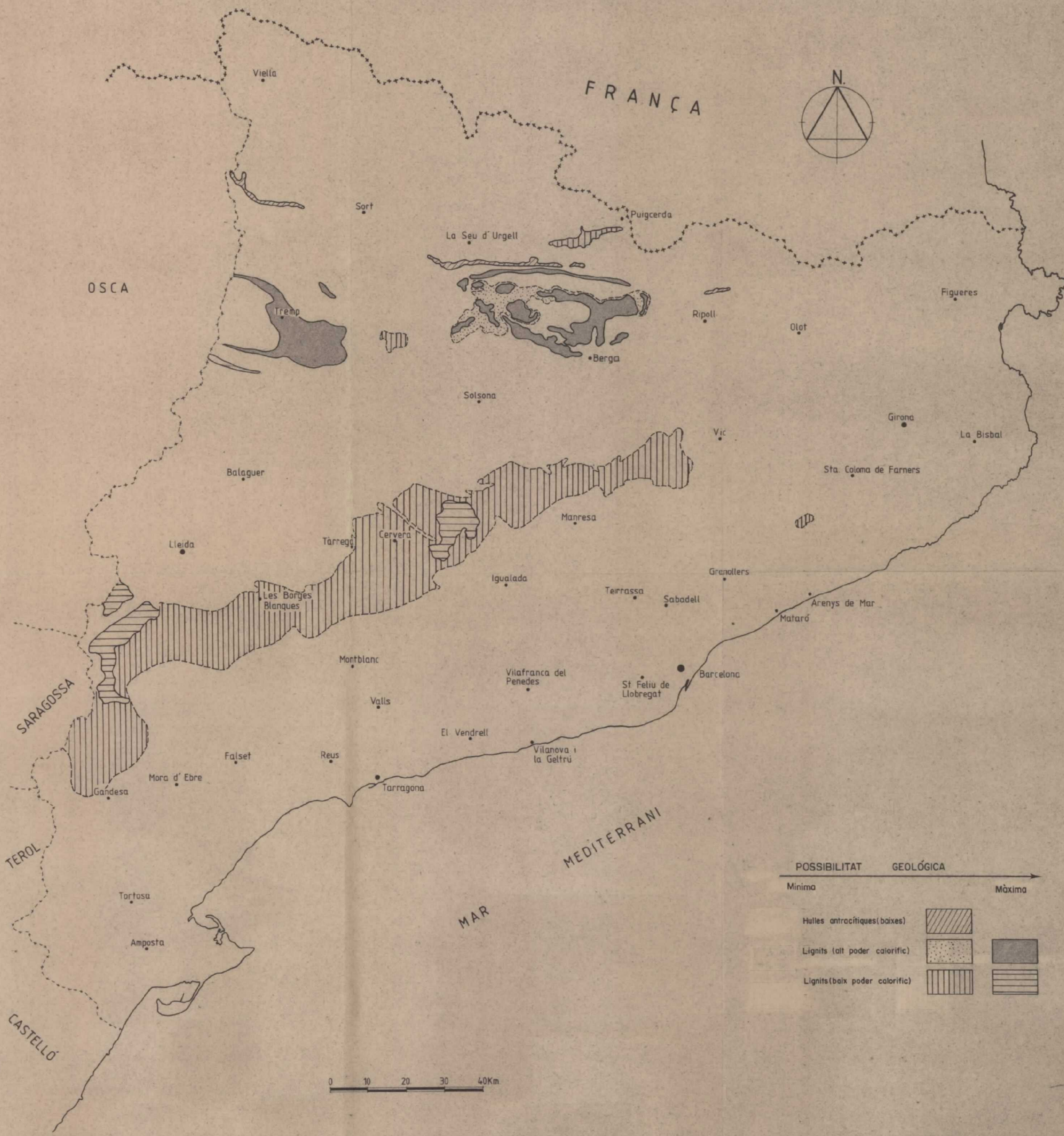
CASTELLÓ

POSSIBILITAT GEOLÓGICA
Minima → Mxima

Ferro (possibilitat baixa)

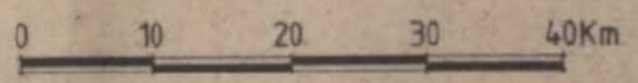
Manganès (possibilitat baixa)

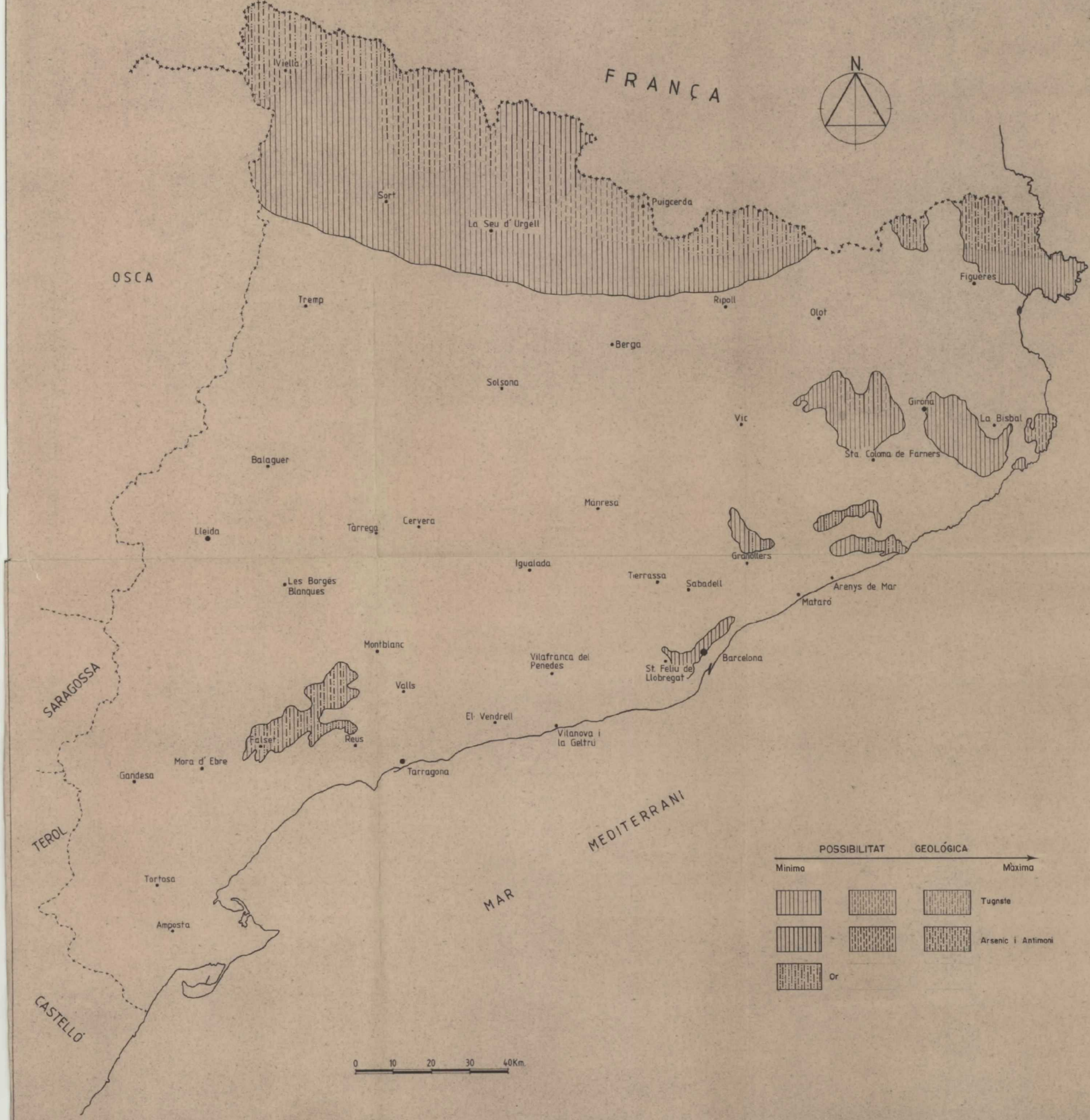




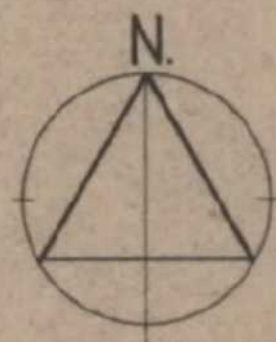
POSSIBILITAT GEOLÒGICA
 Mínima → Mxima

Hules antracitiques (baixes)		
Lignits (alt poder calorific)		
Lignits (baix poder calorific)		





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Tarragona

Gandesa

MEDITERRANI

MAR

TEROL

Tortosa

Ampesta

CASTELLO

POSSIBILITAT GEOLÓGICA

Minima → Màxima

			Tugeste
			Arsenic i Antimoni
			Or

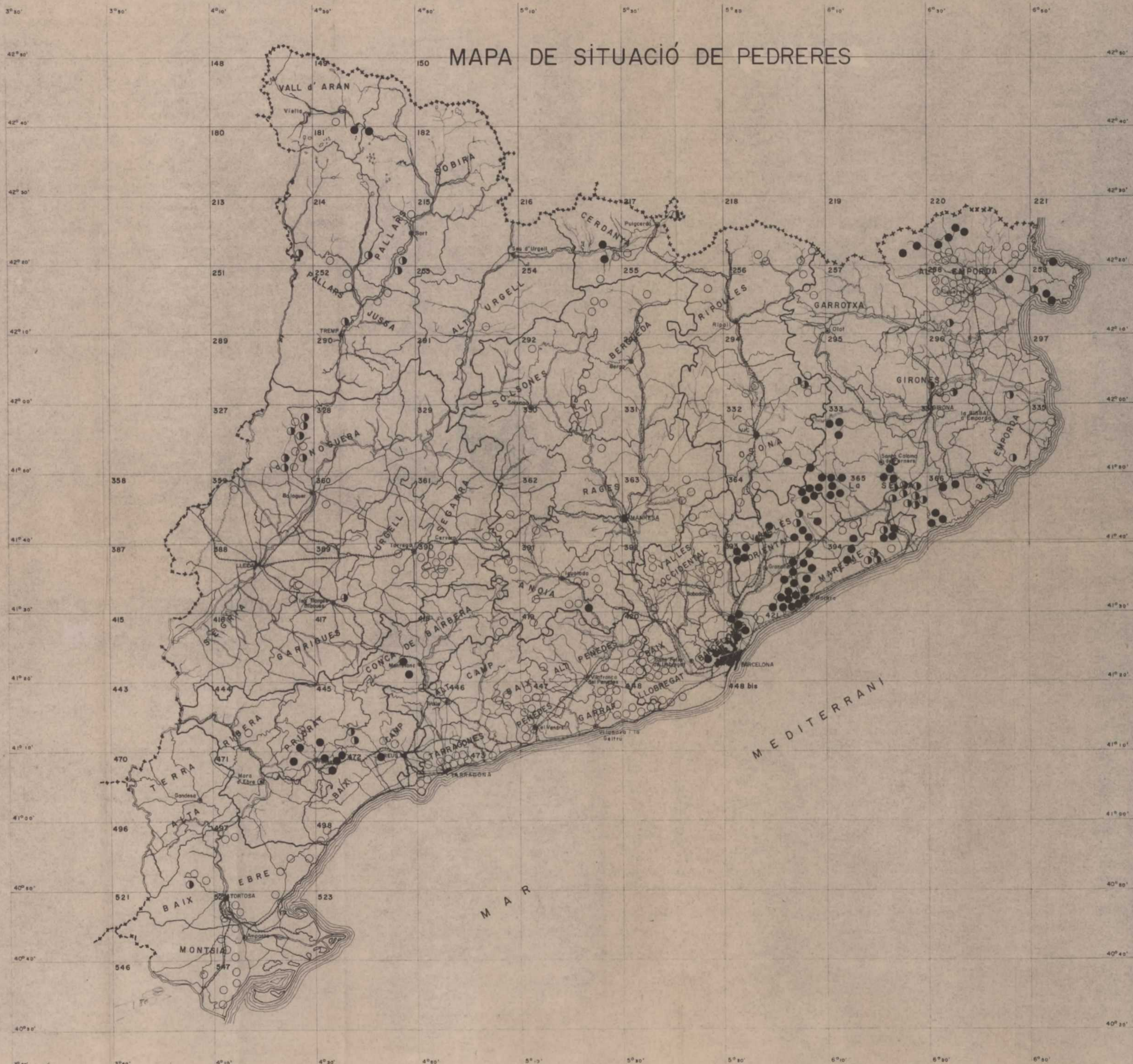
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ARIDOS Y ROCAS INDUSTRIALES











T. TORAL

(Direcció General de Carreteras,
Generalitat de Catalunya)




MAPA DE SITUACIÓ DE PEDRERES



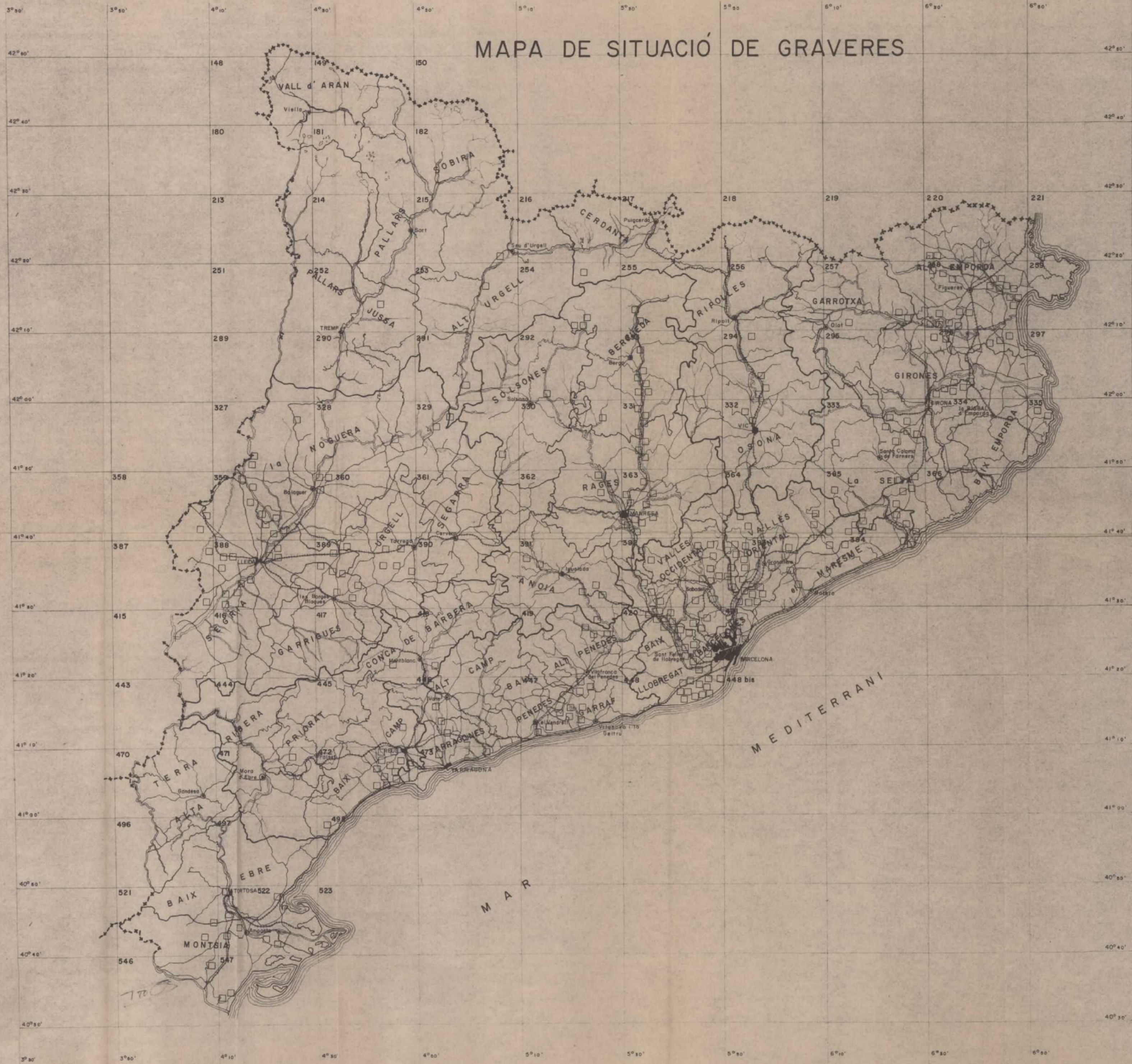
SIGNES

-  Cap de regió
-  Cap de comarca
-  Carreteres en general
-  Ferrocarrils
-  Rius i torrents
-  Canals
-  Limit de comarca
-  Limit de regió
-  Limit de Catalunya
-  Limit d'Estat










SIMBOLOGIA

-  Rocas calcàries
-  Silícies (Granits i similars)
-  Silícies bàsiques (Basalts) quartzites i metamòrfiques corneanes


MAPA DE SITUACIÓ DE GRAVERES



SIGNES

-  Cap de regió
-  Cap de comarca
-  Carreteres en general
-  Ferrocarrils
-  Rius i forrents
-  Canals
-  Limit de comarca
-  Limit de regió
-  Limit de Catalunya
-  Limit d'Estat











SIMBOLOGIA

-  Graveres




MAPA D'EXPLORACIÓ, DISTRIBUCIÓ I CONSUM



SIGNES

-  Cap de regió
-  Cap de comarca
-  Carreteres en general
-  Ferrocarrils
-  Rius i torrents
-  Canals
-  Límit de comarca
-  Límit de regió
-  Límit de Catalunya
-  Límit d'Estat

SIMBOLOGIA

-  Zones d'consum
-  Zones d'explotació
-  Direcció del producte

MAPA SITUACIÓ D'EXPLOTACIONS DIVERSES



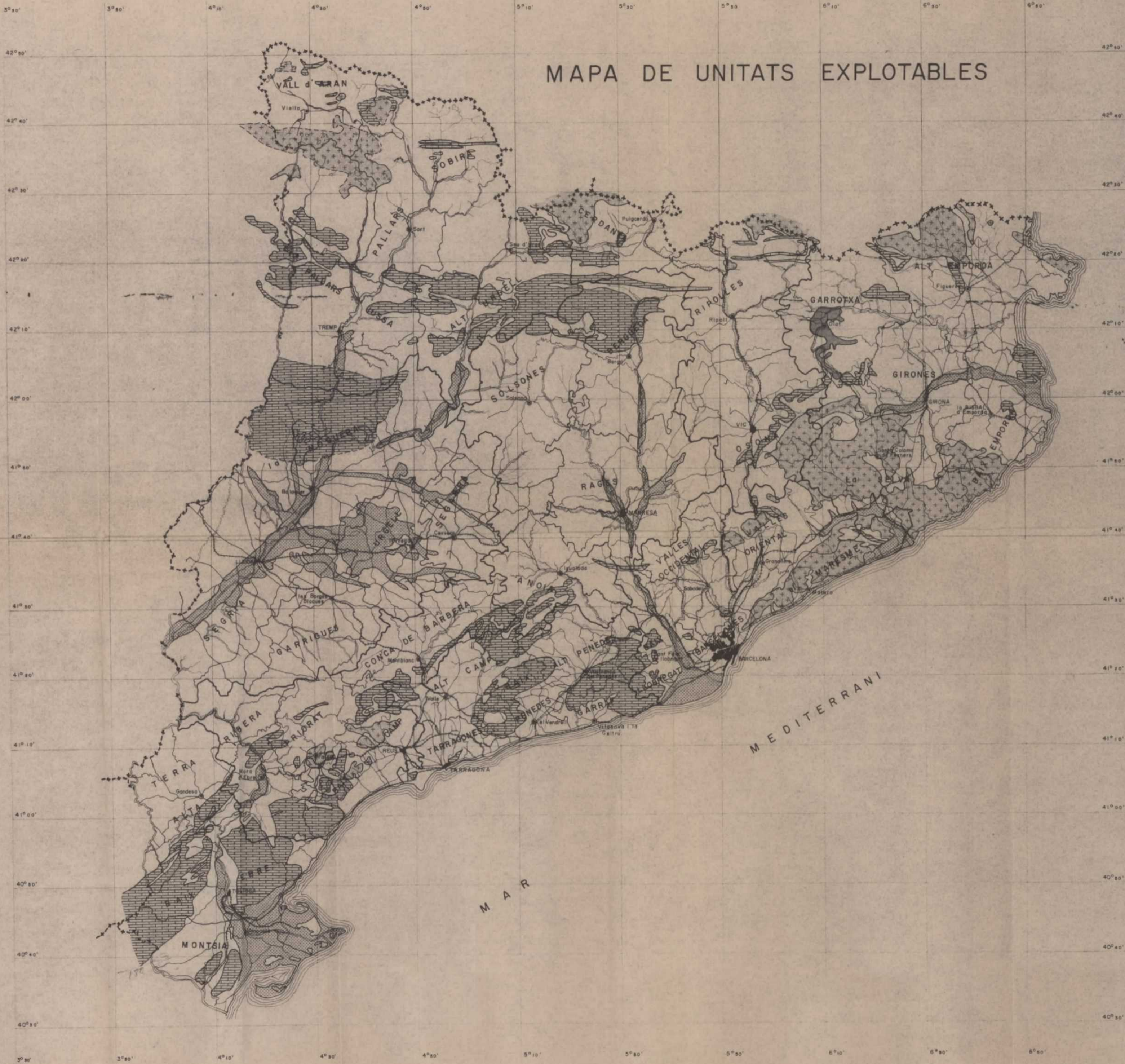
SIGNES

- Cap de regió
- Cap de comarca
- Carreteres en general
- Ferrocarrils
- Rius i torrents
- Canals
- Límit de comarca
- Límit de regió
- Límit de Catalunya
- Límit d'Estat











SIMBOLOGIA

- Marbre i calcària
 - Granits i sílicies
 - Gresos
 - Guix
 - Calcària (Cimet o cal)
 - Marga
 - Argila
 - Creta
 - Sorra sílicie
 - Dolomia
 - Puzolana
- } Roques ornamentals
i
pedres de construcció





MAPA DE UNITATS EXPLOTABLES



SIGNES

-  Cap de regió
-  Cap de comarca
-  Carreteres en general
-  Ferrocarrils
-  Rius i torrents
-  Canals
-  Limit de comarca
-  Limit de regió
-  Limit de Catalunya
-  Limit d'Estat

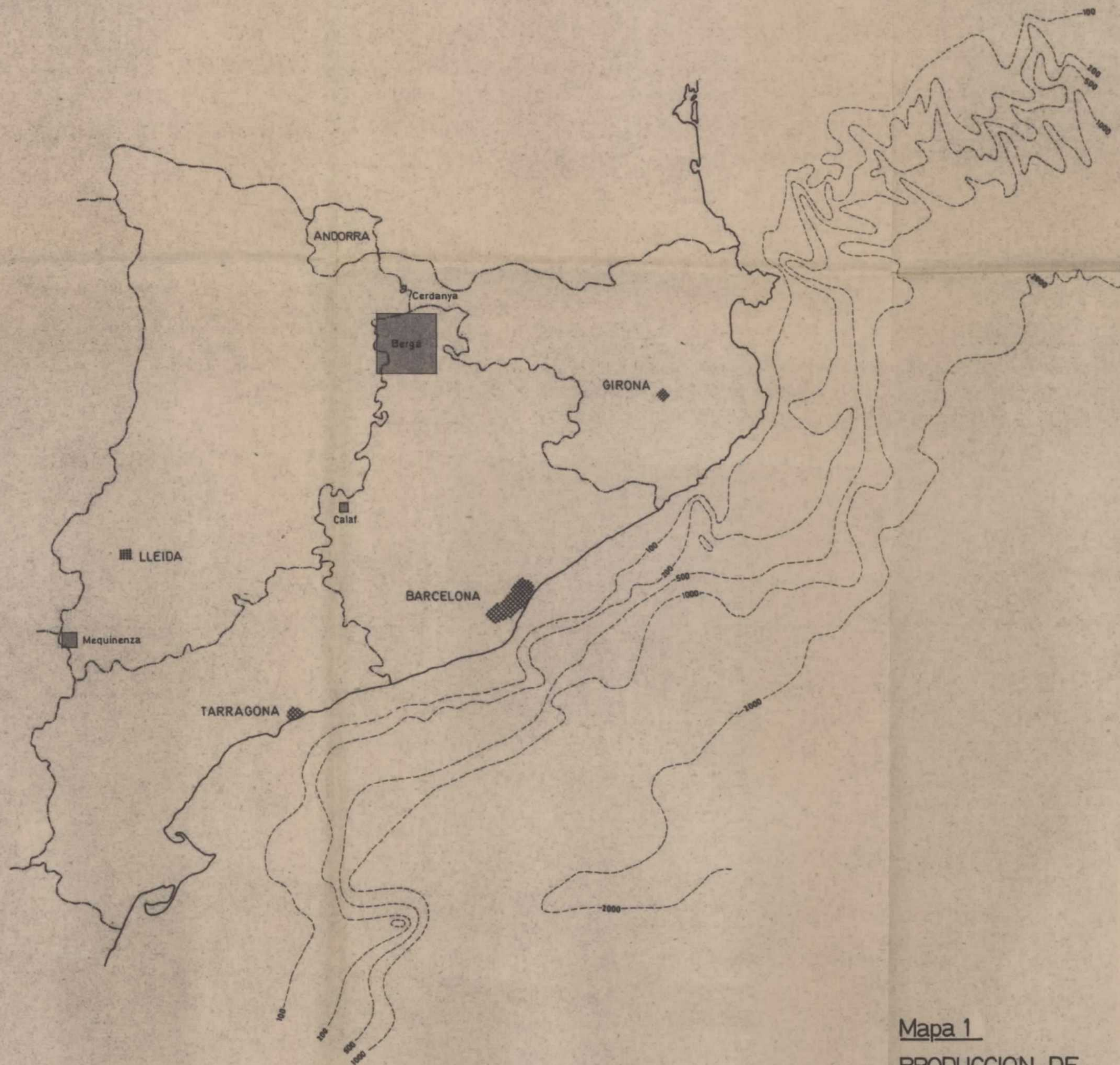
SIMBOLOGIA

-  Granits i roques afins (Silícies)
-  Graves i sorres
-  Formacions calcàries
-  Basalts

RECURSOS ENERGETICOS PRIMARIOS

E. ARAGONES

(Compañía General de Sondeos)

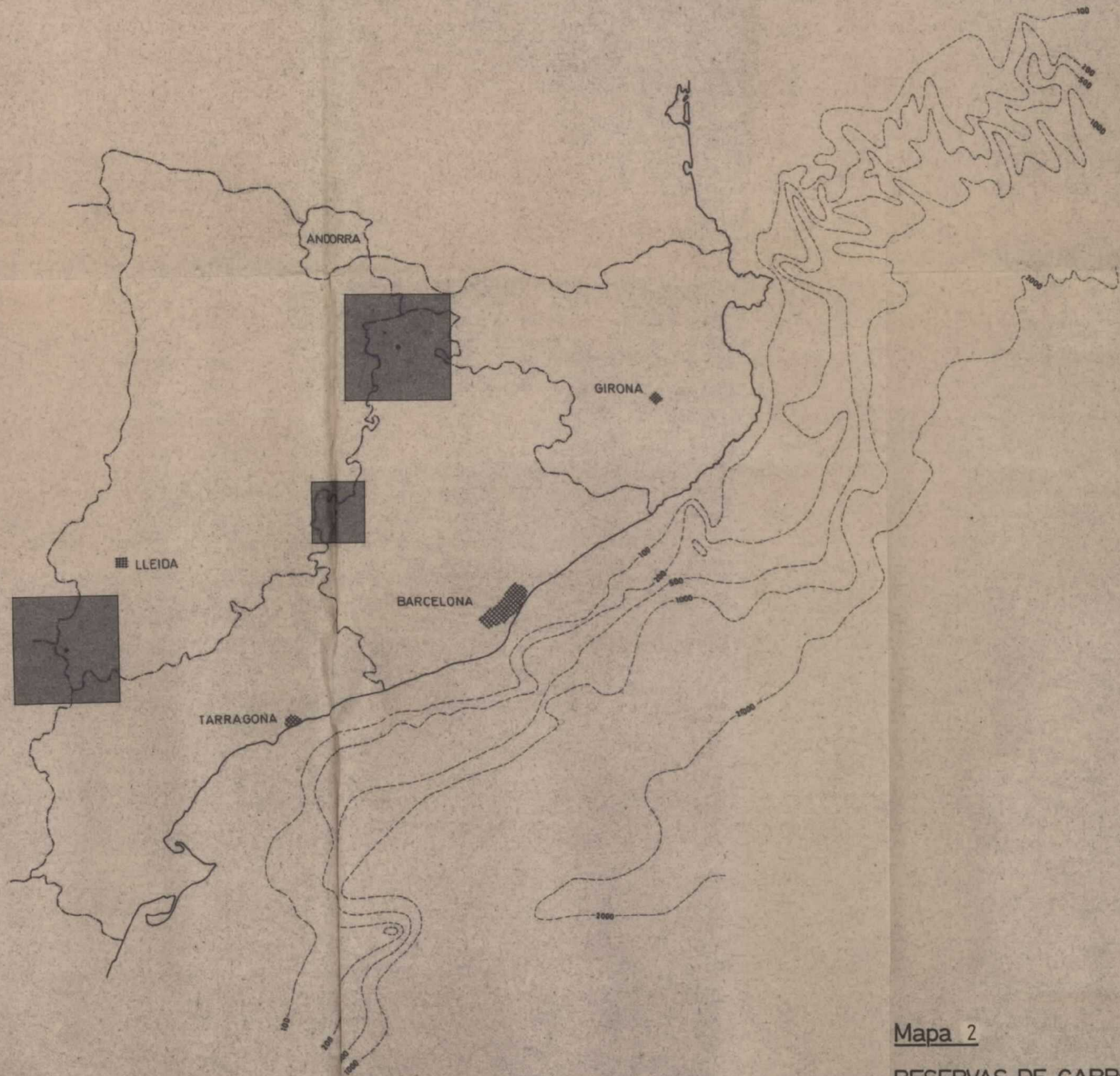


Mapa 1

PRODUCCION DE
CARBON (1977)

1 cm² = 100.000 Tm

ESCALA: 1/1.000.000

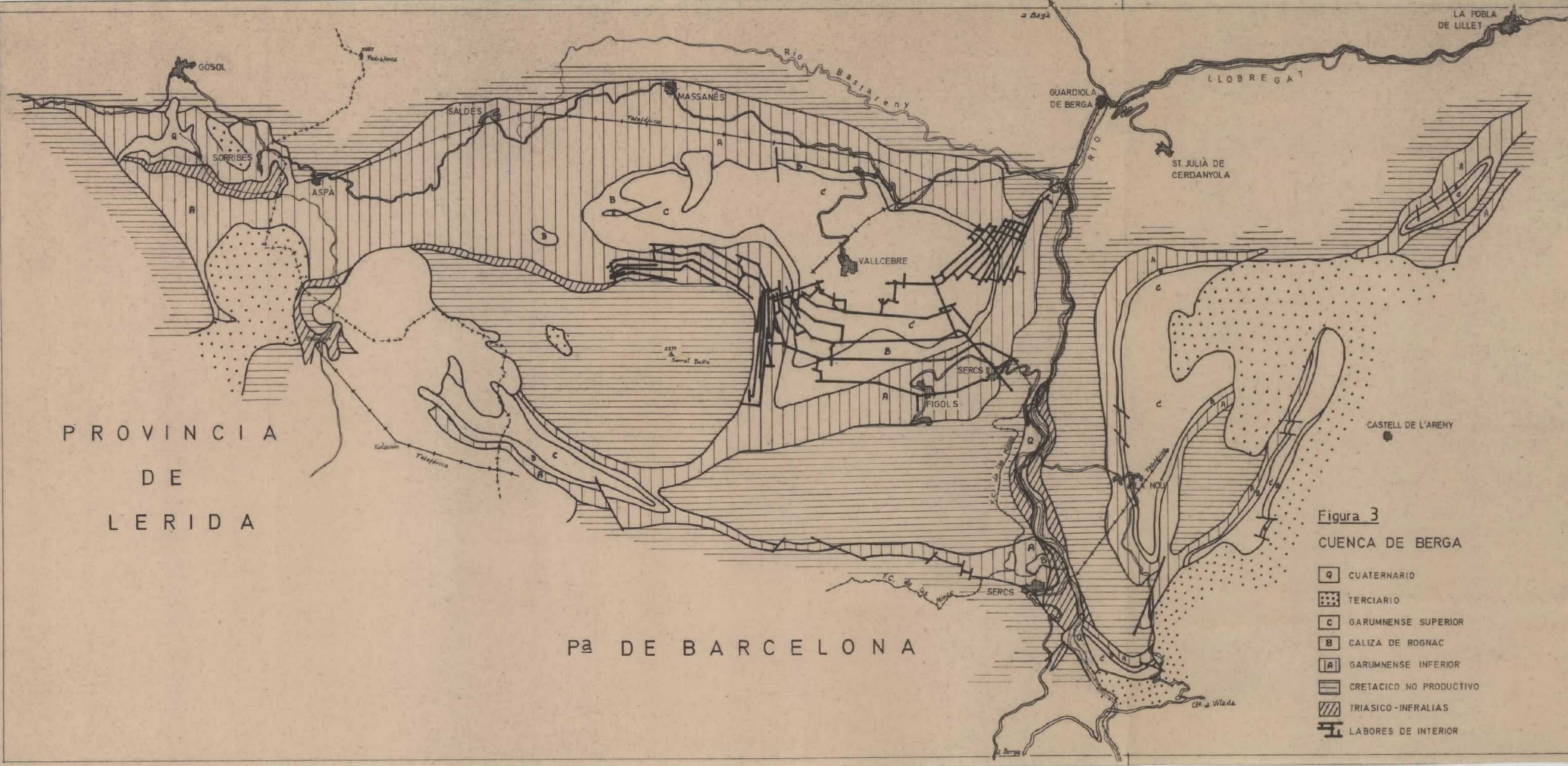


Mapa 2

RESERVAS DE CARBON

1 cm² = 10 M.T.

ESCALA: 1 / 1.000.000



PROVINCIA
DE
LERIDA

Pa DE BARCELONA

Figura 3
CUENCA DE BERGA

- Q CUATERNARIO
- TERCARIO
- C GARUMNENSE SUPERIOR
- B CALIZA DE ROGNAC
- A GARUMNENSE INFERIOR
- — — — — CRETACICO NO PRODUCTIVO
- /// TRIASICO-INFERALIAS
- ⊞ LABORES DE INTERIOR

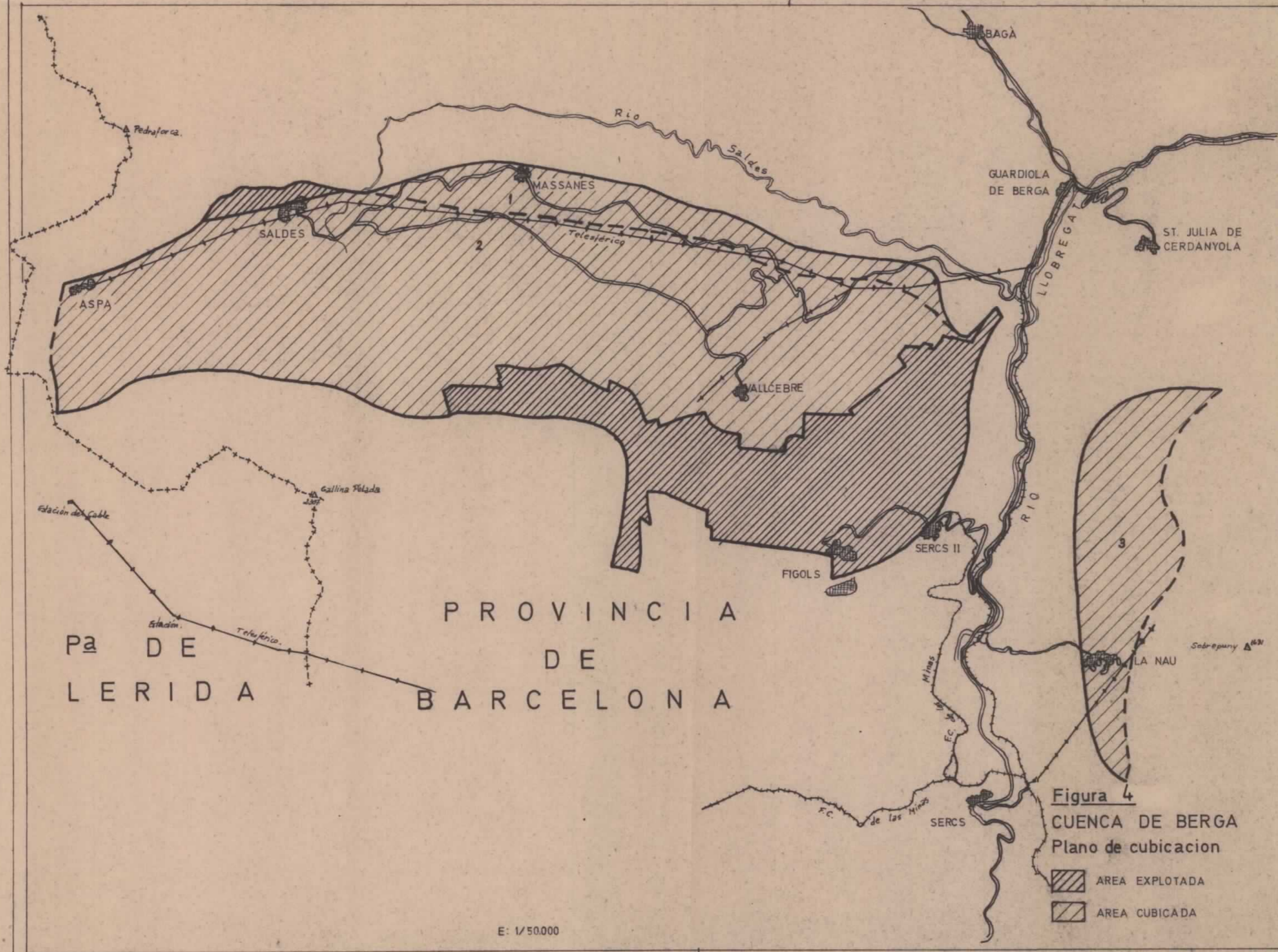




Figura 4
CUENCA DE BERGA
Plano de cubicacion

-  AREA EXPLOTADA
-  AREA CUBICADA

E: 1/50.000

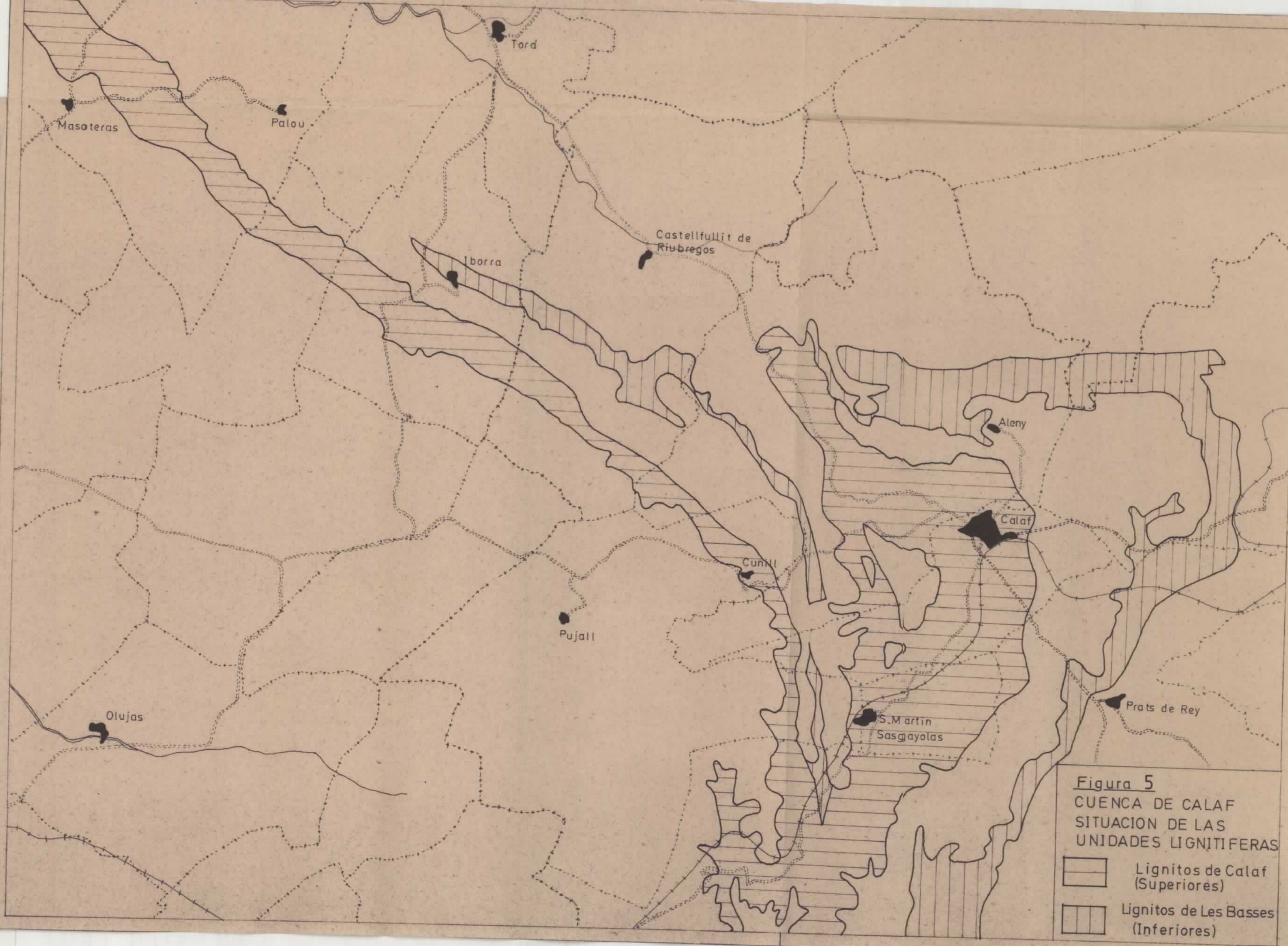
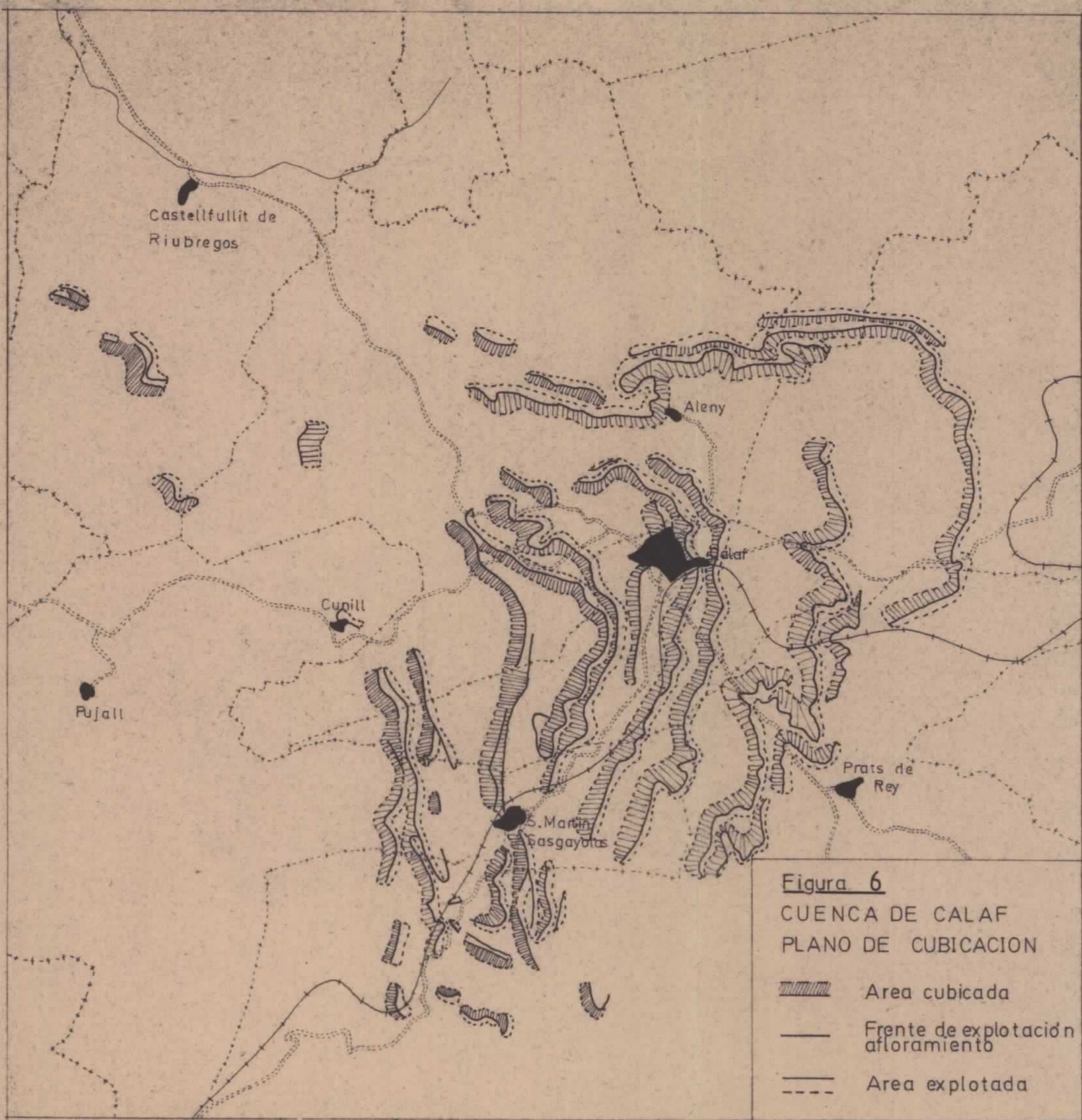


Figura 5
 CUENCA DE CALAF
 SITUACION DE LAS
 UNIDADES LIGNITIFERAS

	Lignitos de Calaf (Superiores)
	Lignitos de Les Basses (Inferiores)



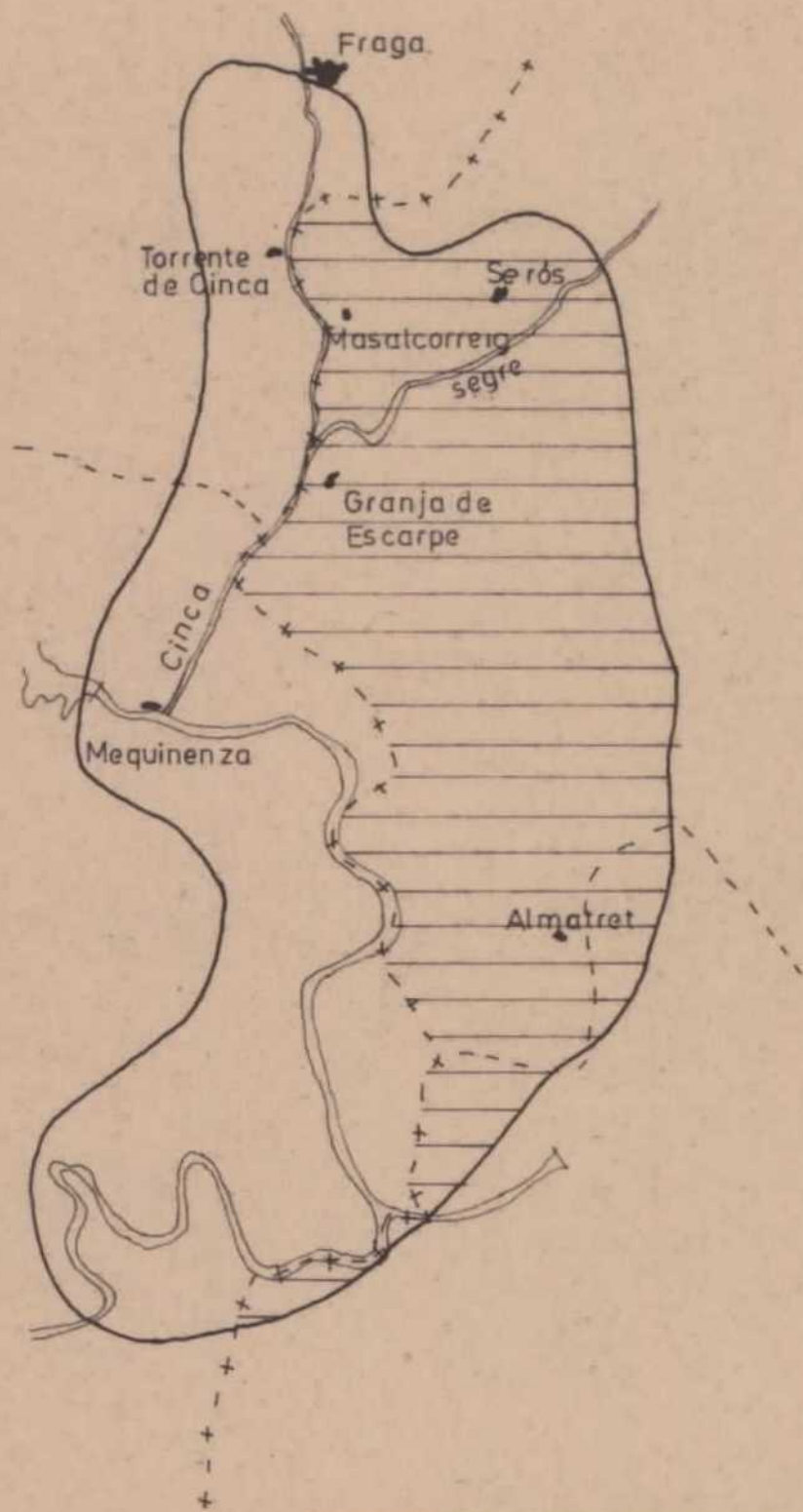
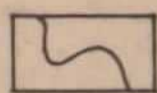
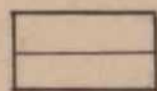


Figura 7

CUENCA DE MEQUINENZA
MAPA DE SITUACION



Límite de la zona
lignitífera



Sector catala'n

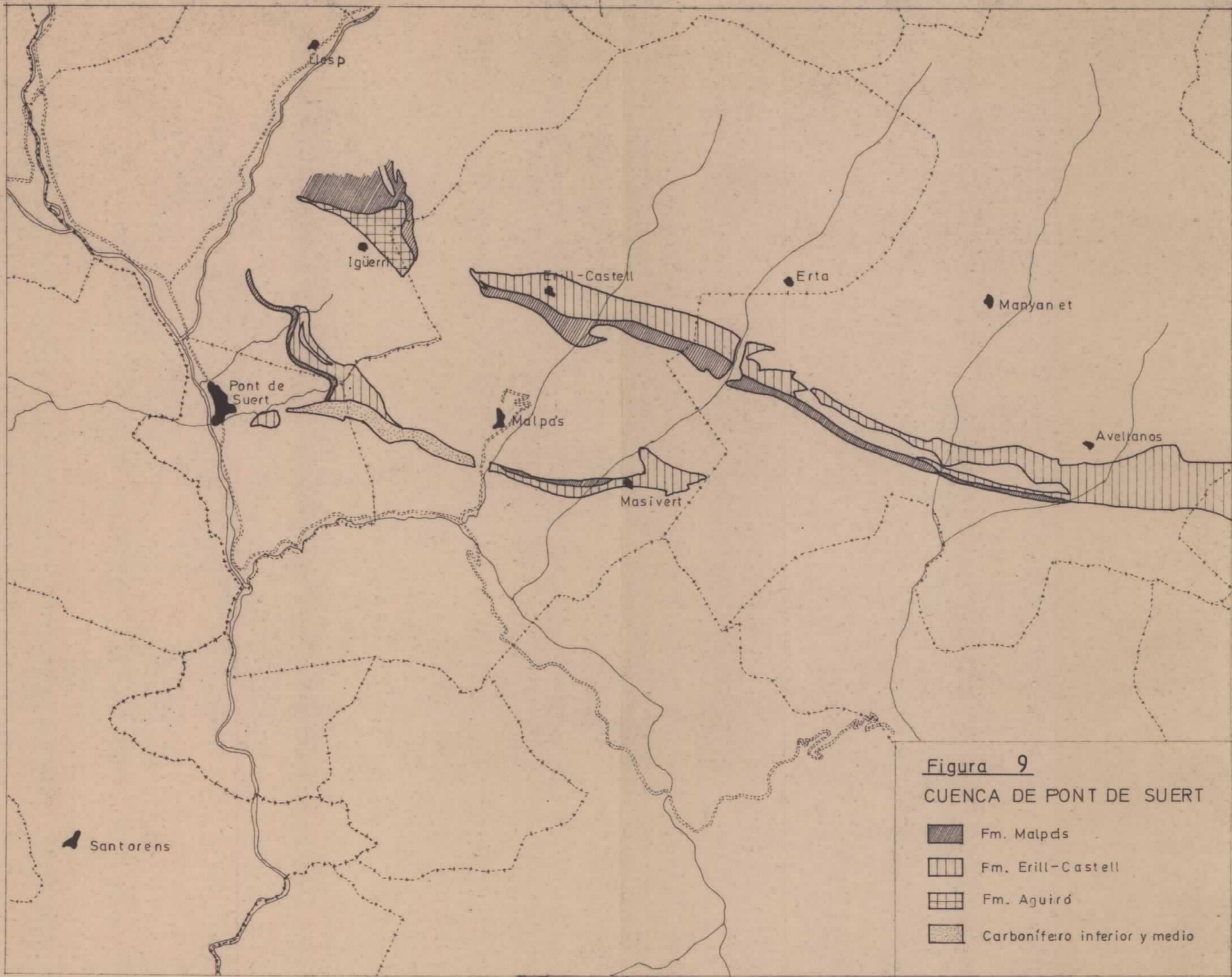






Figura 9
CUENCA DE PONT DE SUERT

-  Fm. Malpàs
-  Fm. Erill-Castell
-  Fm. Aguiró
-  Carbonífero inferior y medio

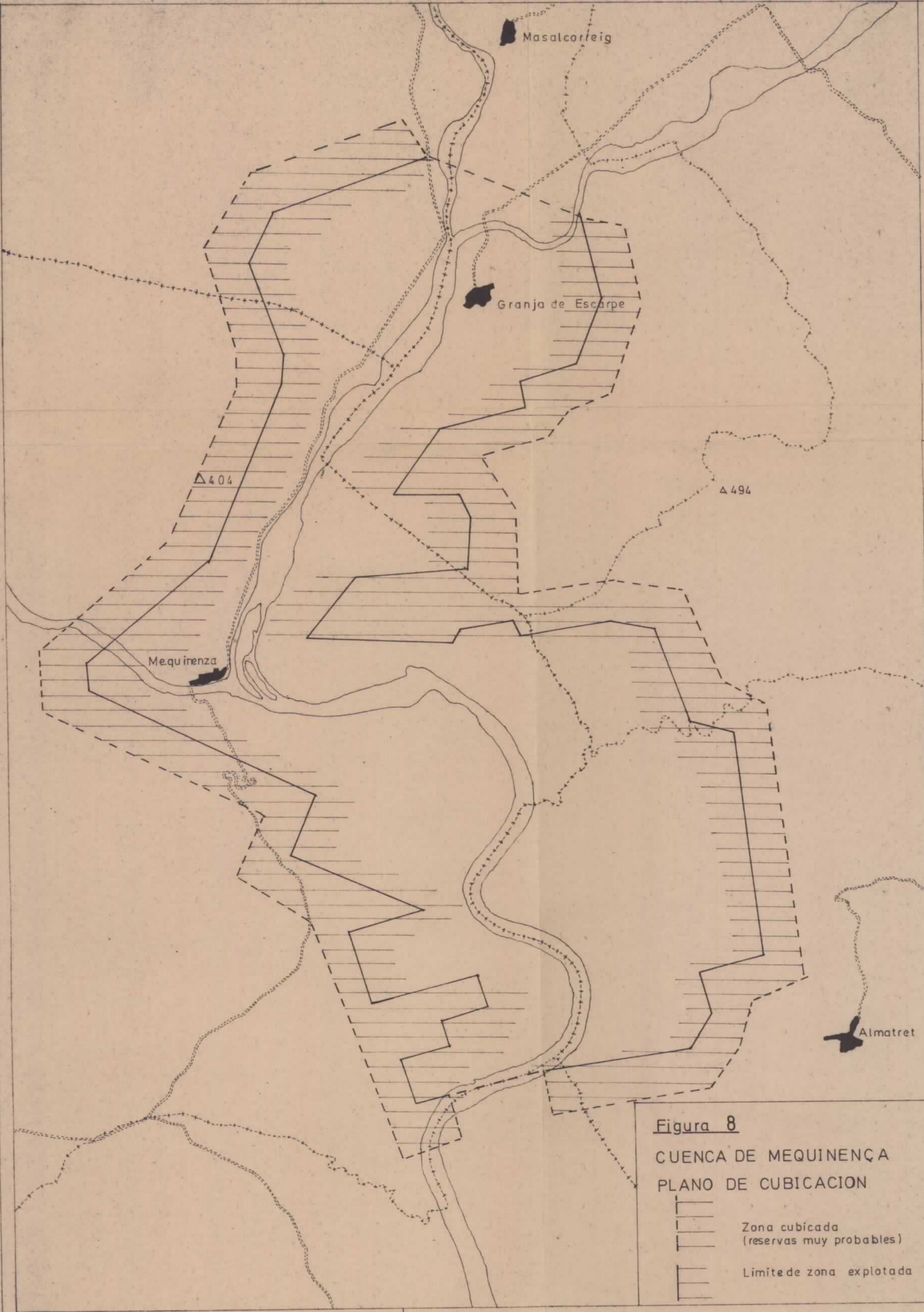
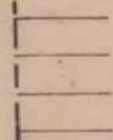
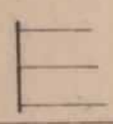


Figura 8

**CUENCA DE MEQUINENÇA
PLANO DE CUBICACION**

- 
 Zona cubicada
(reservas muy probables)
- 
 Limite de zona explotada

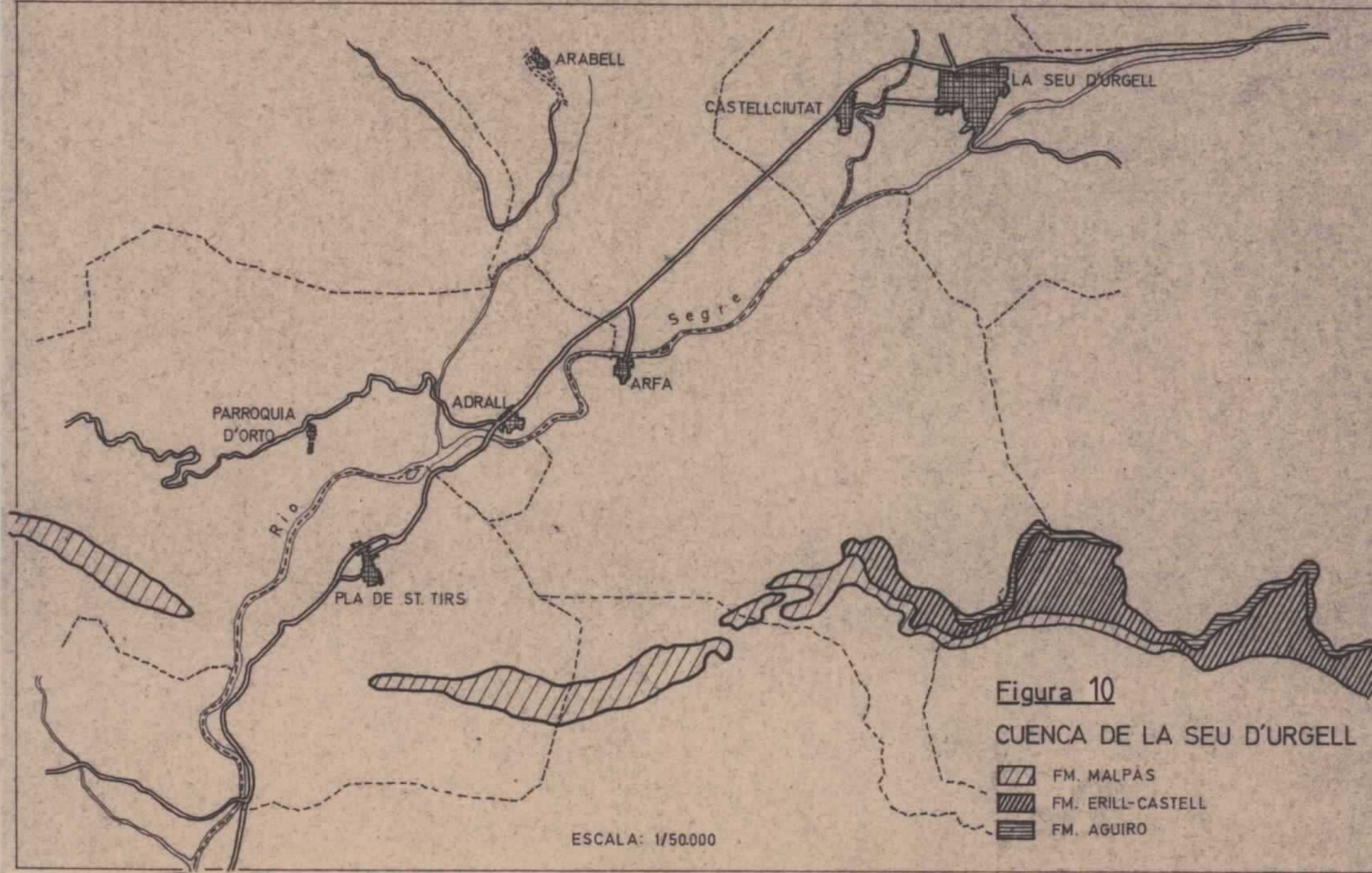





Figura 10
CUENCA DE LA SEU D'URGELL

-  FM. MALPÀS
-  FM. ERILL-CASTELL
-  FM. AGUIRO

ESCALA: 1/50.000

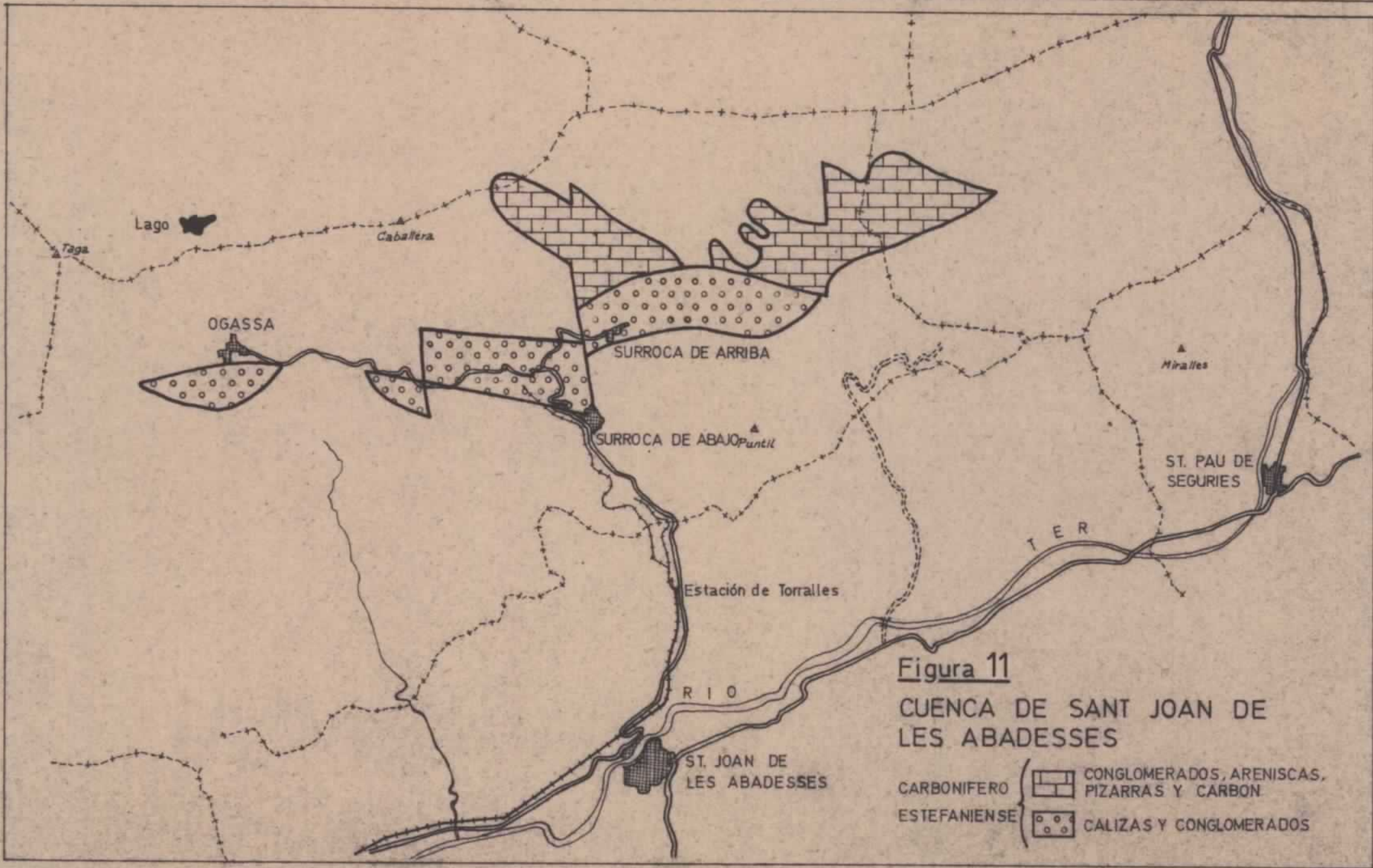
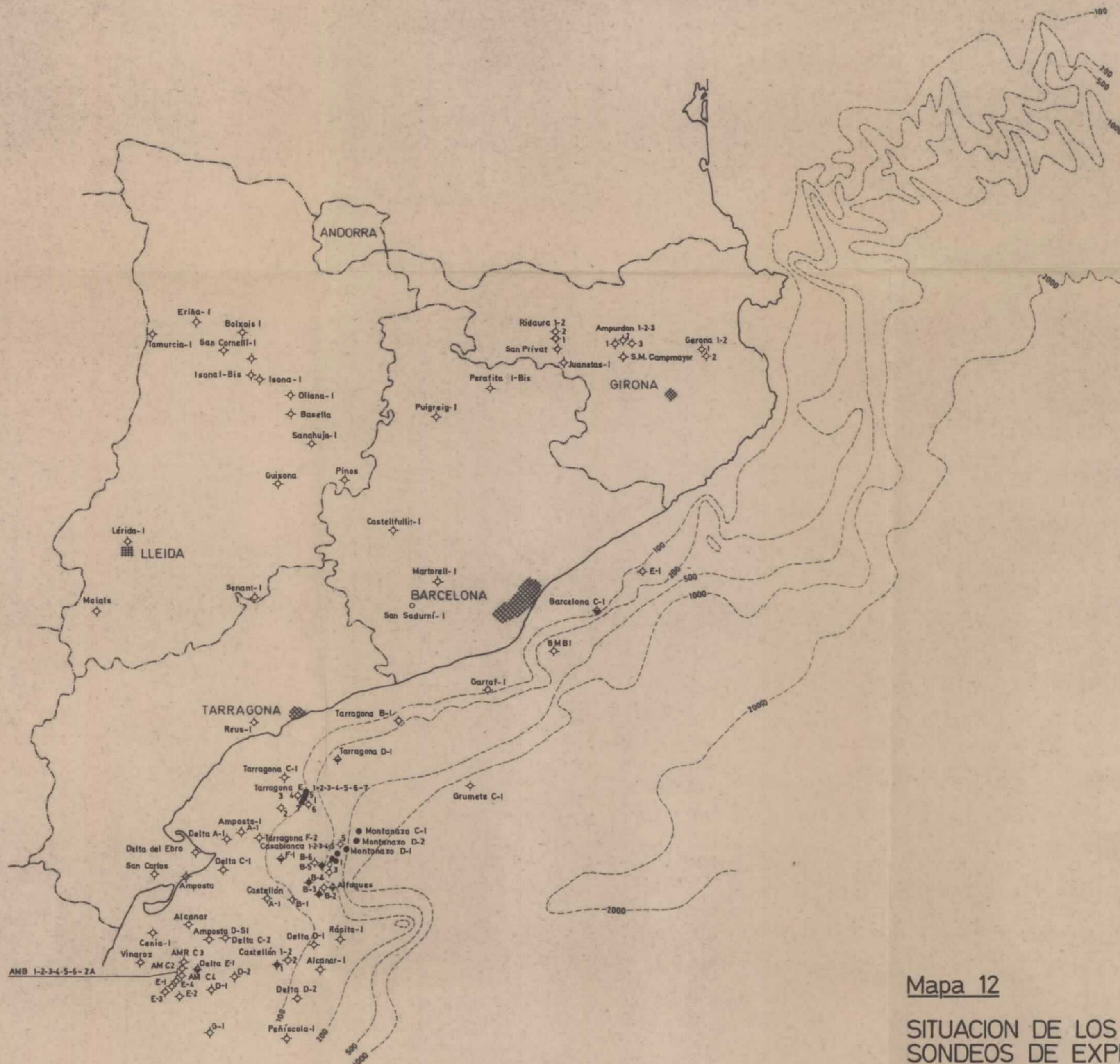


Figura 11
CUENCA DE SANT JOAN DE
LES ABADESSES

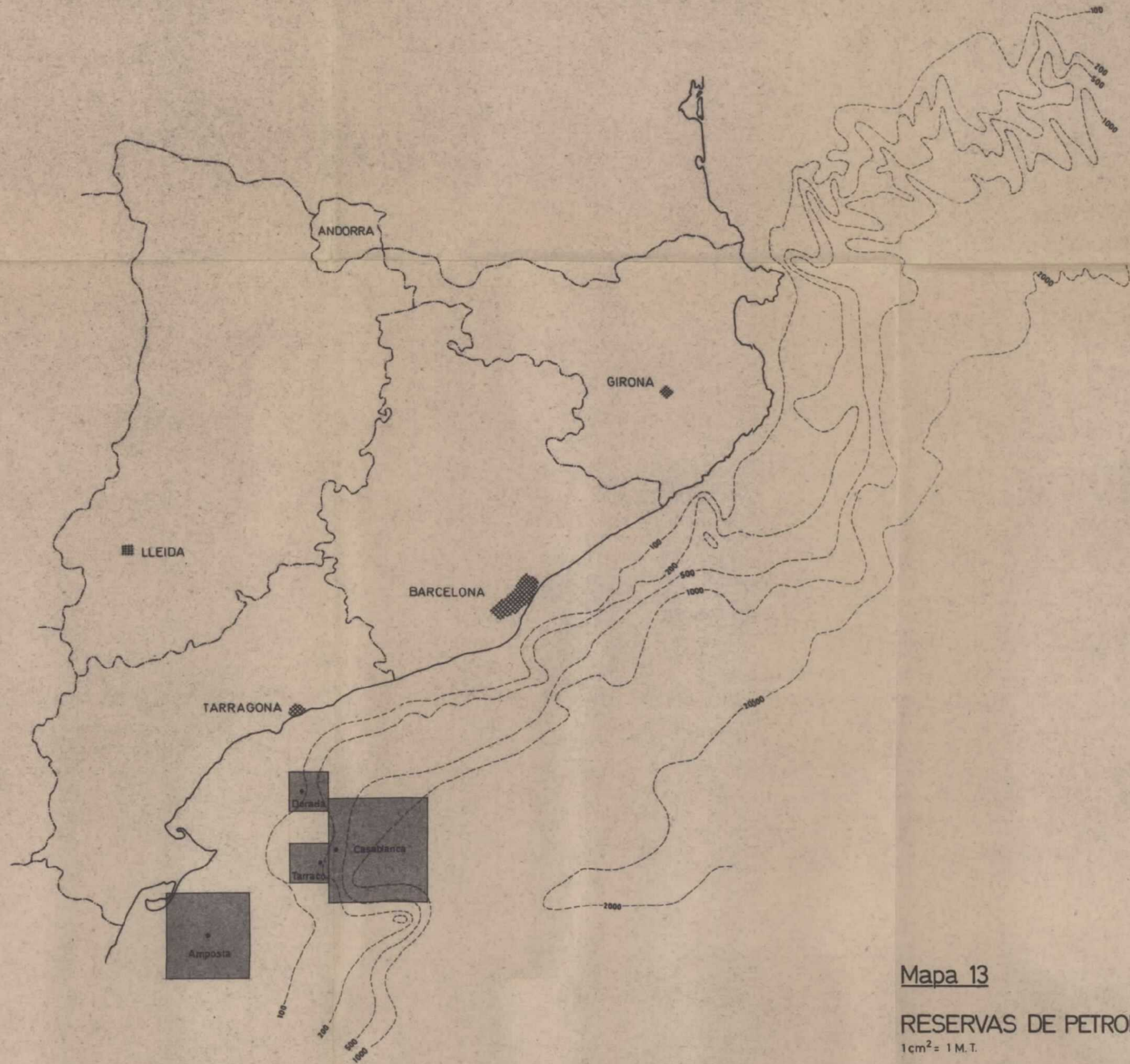
CARBONIFERO	}	CONGLOMERADOS, ARENISCAS,
		PIZARRAS Y CARBON
ESTEFANIENSE	}	CALIZAS Y CONGLOMERADOS



●	SONDEO POSITIVO
◆	SONDEO CON INDICIOS
◊	SONDEO SECO

Mapa 12
SITUACION DE LOS
SONDEOS DE EXPLORACION
PETROLIFERA

ESCALA : 1 / 1.000.000

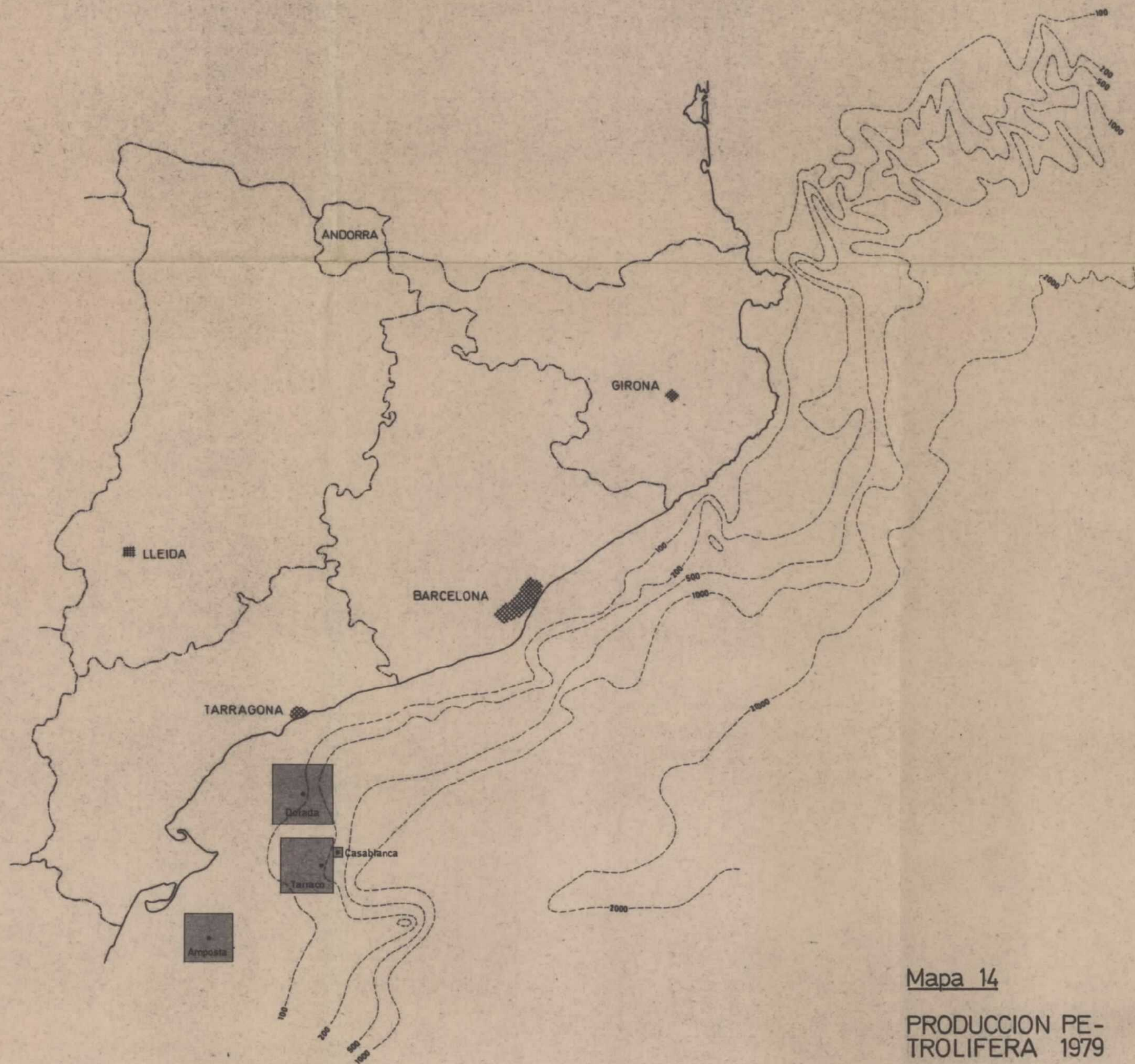


Mapa 13

RESERVAS DE PETROLEO

1cm² = 1 M.T.

ESCALA: 1 1.000.000



Mapa 14

PRODUCCION PE-
TROLIFERA 1979

1 cm² = 100.000 Tm.

ESCALA: 1 / 1000.000

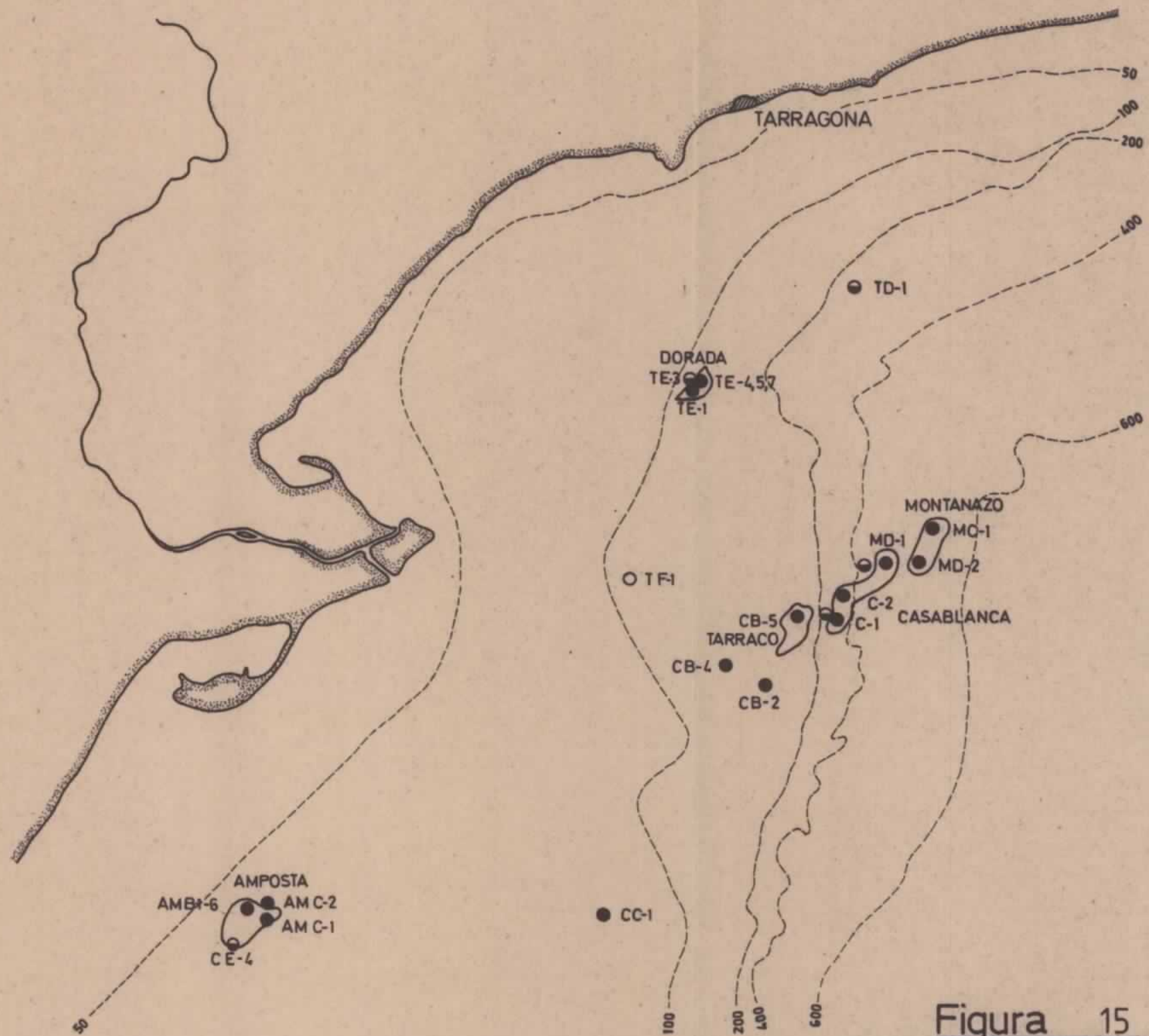
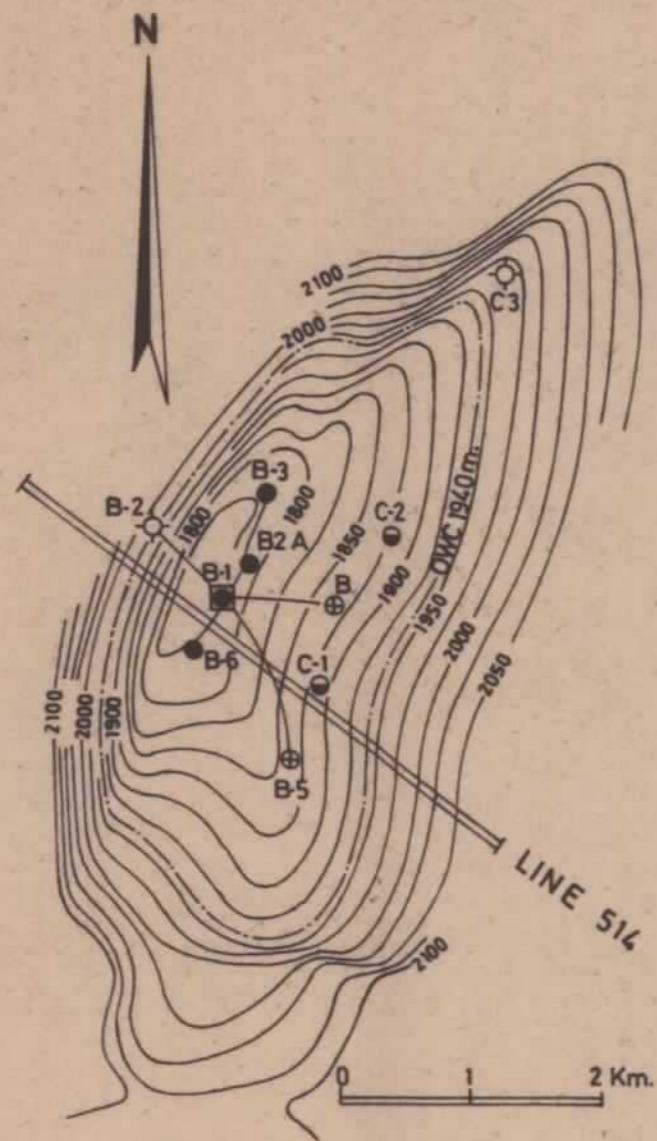


Figura 15

SITUACION DE LOS CAMPOS PETROLIFEROS DE LA PLATAFORMA CONTINENTAL CATALANA

ESCALA: 1/ 500.000



MAPA DE ISOBATAS DE LA BASE DEL TERCIARIO

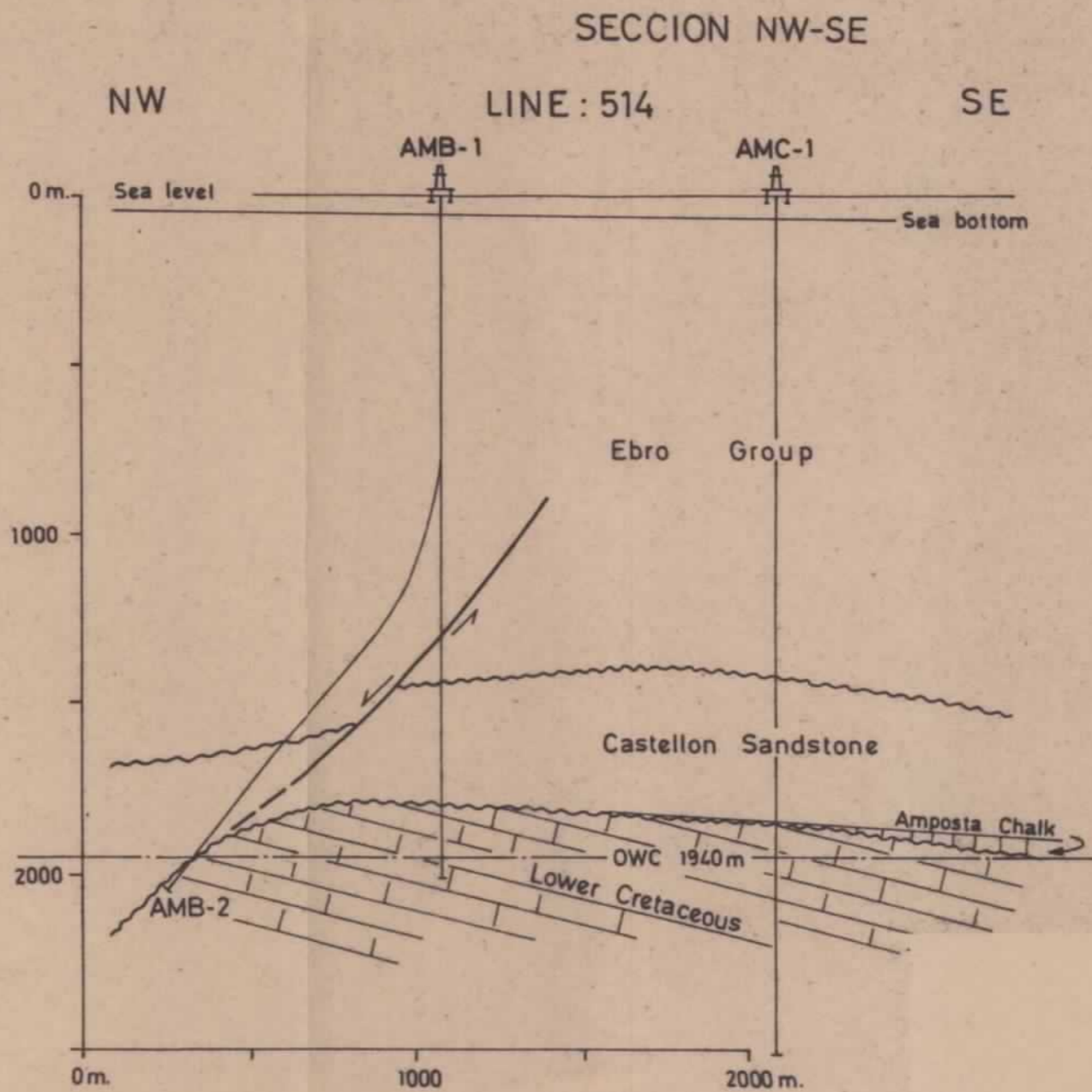
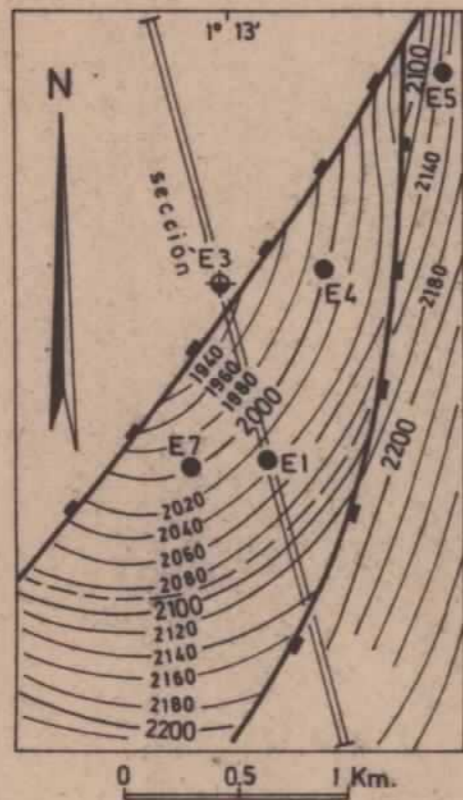


Figura 16
CAMPO AMPOSTA MARINO



MAPA DE ISOBATAS DE LA BASE DEL TERCIARIO

SECCION NNW-SSE

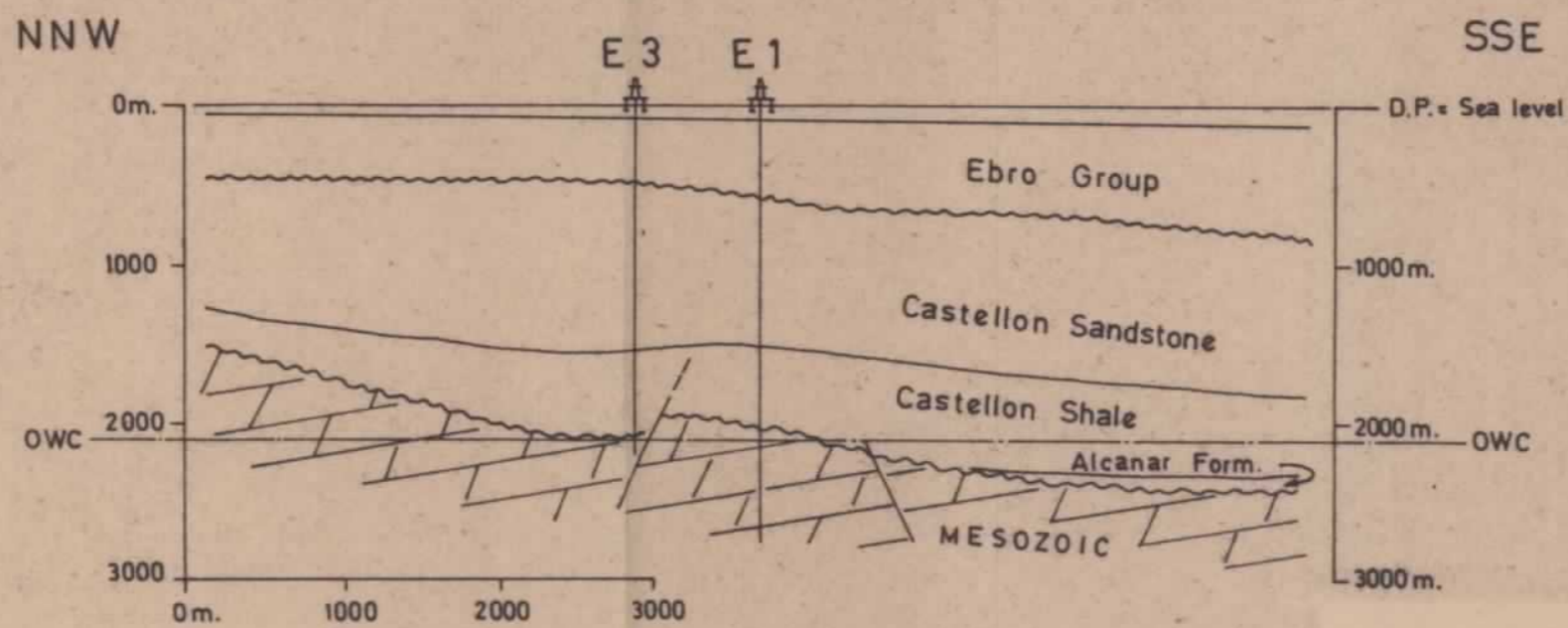
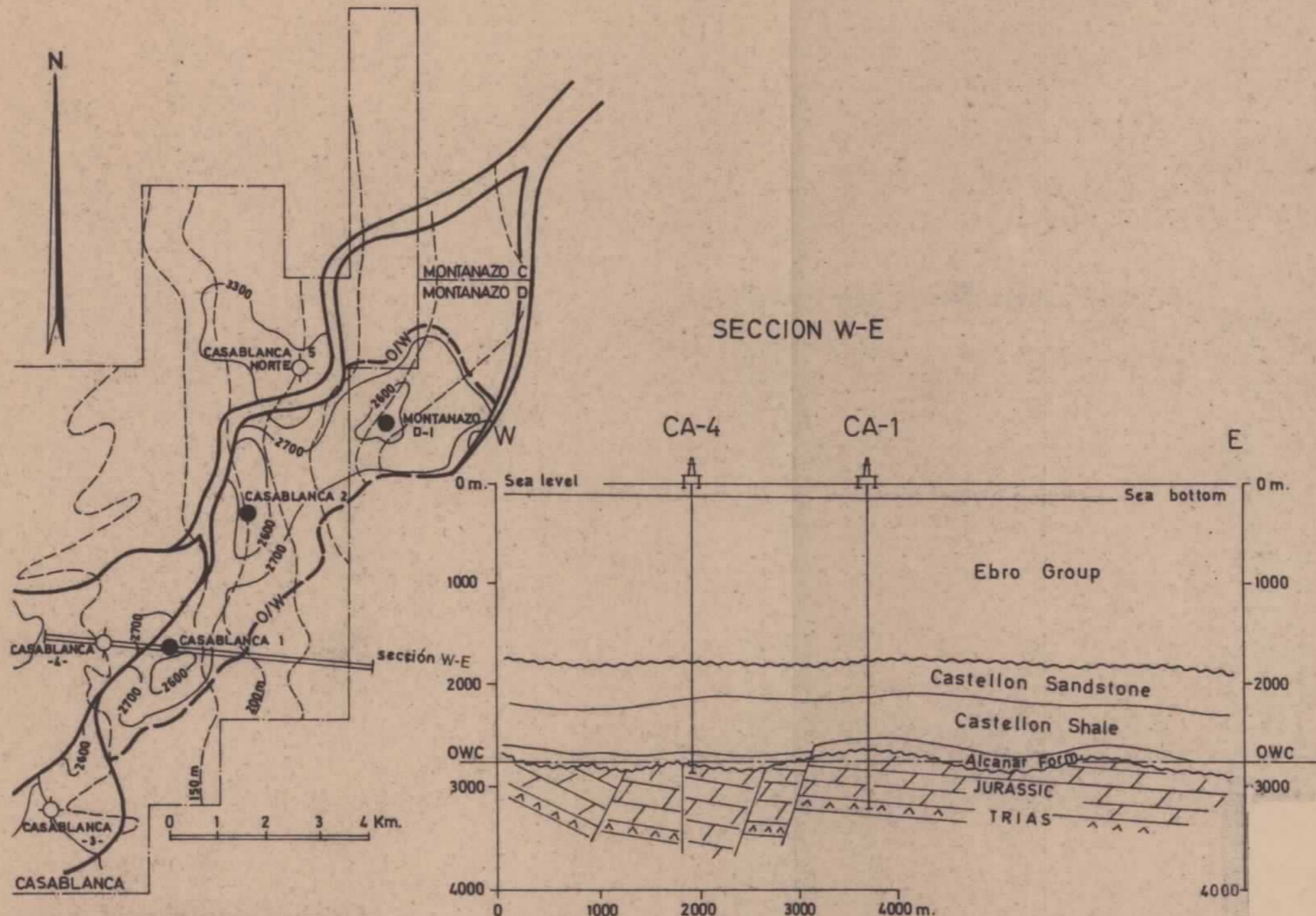


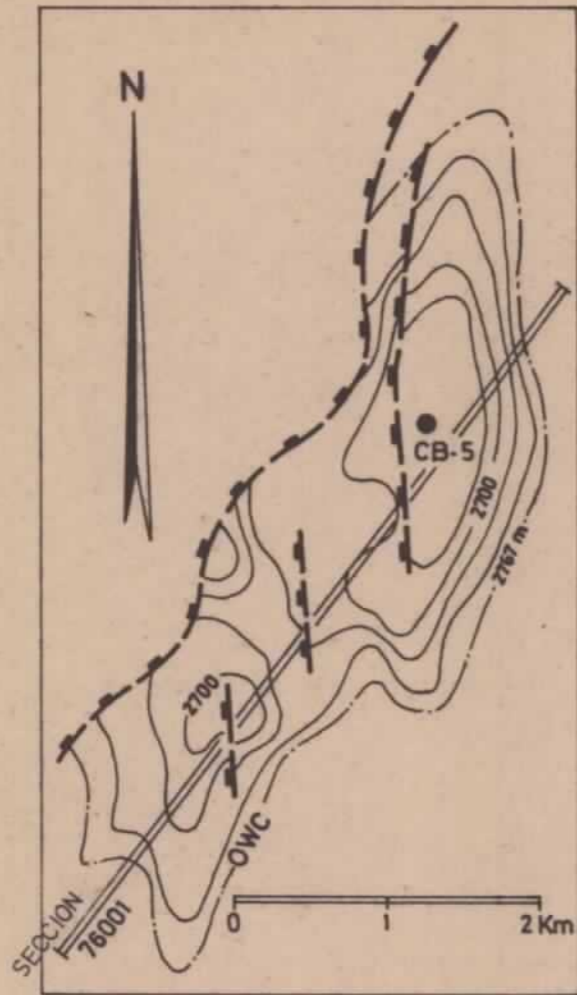
Figura 17
CAMPO DORADA



MAPA DE ISOBATAS DE LA BASE DEL Terciario

- ISOBATAS
- - - PROFUNDIDAD DE AGUA
- · - O/W CONTACTO PETROLEO/AGUA

Figura 18
CAMPO CASABLANCA



MAPA DE ISOBATAS DE LA BASE DEL TERCIARIO

SECCION SW-NE

SECCION : 76-001

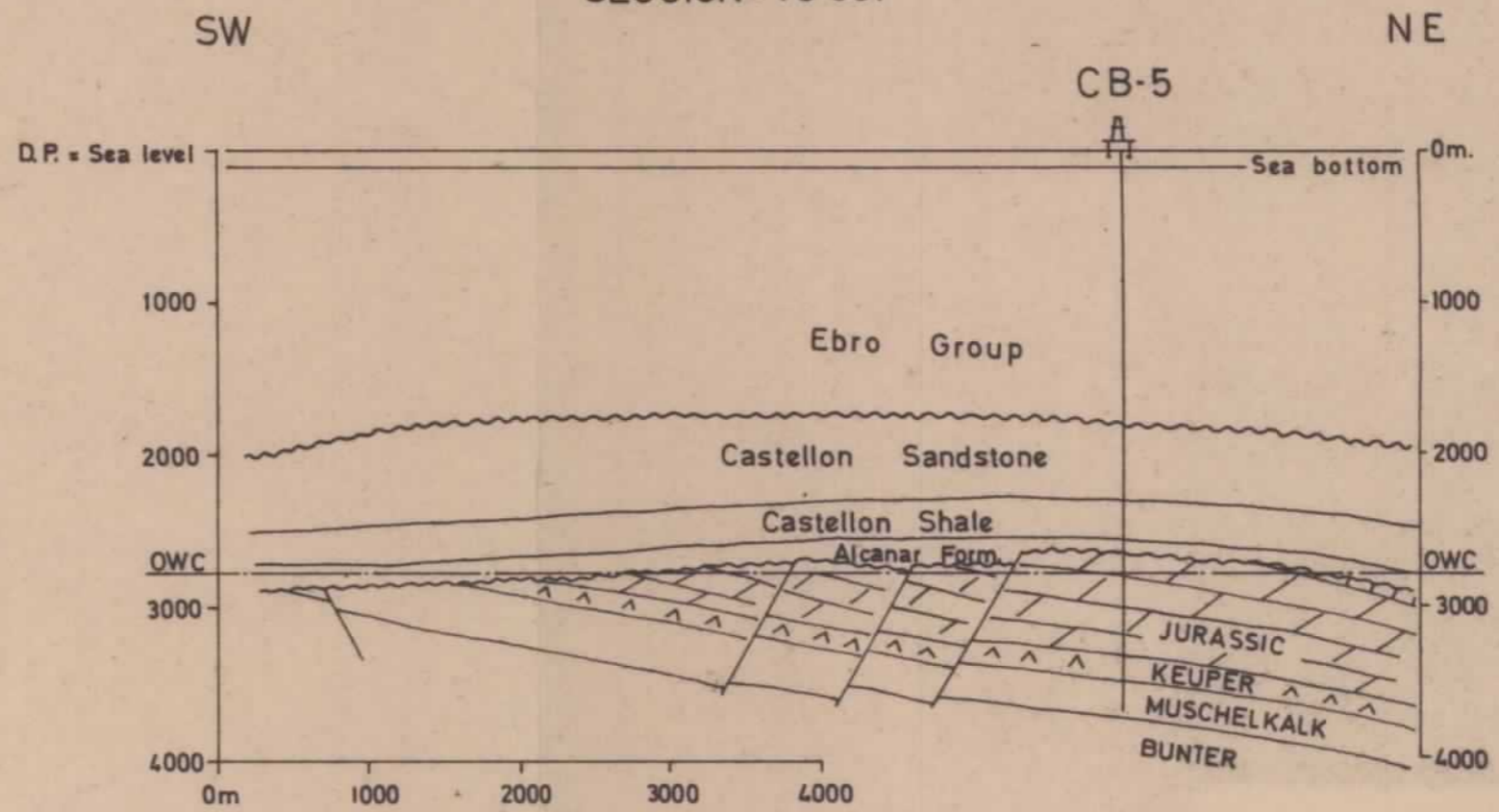


Figura 19

CAMPO TARRACO



