Legend

River

Urban nucleus

Model value W

(According to Hölting et al., 1995)

0.5
0.75
1.5

MAP 41: RECHARGE MODEL VALUE AT PRESENT CONDITIONS
(WITH IRRIGATION)

ZARAGOZA
LA CARTUJA
CASETAS
BOTORRITA
Casetas
La Muela
La Plana
Ebro River
Jalon River
Jurlibol
Garrapinillos
Venta del Olivar
La Muela
Maria de Huerva
Cuarte de Huerva
Venta del Olivar
La Cartuja
Botorrita
Torrecilla de Valmadrid

Source: C.H.E.
MAP 42: PROTECTIVE FUNCTION OF THE SUBSOIL UNDER NATURAL CONDITIONS (WITHOUT IRRIGATION)

Source: C.H.E.

Legend

- Boreholes
- River
- Urban nucleus

Model value $M^G$

(According to Hölting et al., 1995)

- < 500
- 500 - 1000
- 1000 - 2000
- 2000 - 3000
- > 3000

Ebro Basin
Aragon Region
Iberian Peninsula
MAP 43: PROTECTIVE OF THE SUBSOIL AT PRESENT CONDITIONS (WITH IRRIGATION)

Legend

- Boreholes
- River
- Urban nucleus

Model value $M^*G$
(According to Hölting et al., 1995)

- < 500
- 500 - 1000
- 1000 - 2000
- 2000 - 3000
- > 3000

Source: C.H.E.
MAP 45: GROUND WATER PROTECTION AT PRESENT CONDITIONS (WITH IRRIGATION)

Legend
- River
- Urban nucleus
- Dolines

Class of protection (GIS)
(According to Hölting et al., 1995)
- Very low
- Low
- Medium
- High
- Very high
- No model

source: C.H.E.
MAP 46: GROUNDWATER PROTECTION UNDER NATURAL CONDITIONS (WITHOUT IRRIGATION)

Legend
- River
- Urban nucleus
- Dolines
- No model

Class of protection (Gocad)
(According to Hölting et al., 1995)
- Very low
- Low
- Medium
- High
- Very high

Source: C.H.E.
MAP 48: INDUSTRIAL AREAS, CATTLE TRACKS AND EXTRACTIONS

Legend
- River
- Imperial Canal
- Roads
- Urban nucleus
- Extraction site
- "Concesión de explotación" (extraction area)
- Industrial areas with free space
- Industrial areas with no space
- Administrative division

source: IGN

source: C.H.E.
MAP 49: SAND AND GRAVEL EXTRACTION CRITERIA

Distance to roads

Distance to urban nucleus

Distance to old extraction sites

Groundwater protection

Irrigation capability

Distance to natural areas

Water table depth

Resource thickness

Overburden thickness