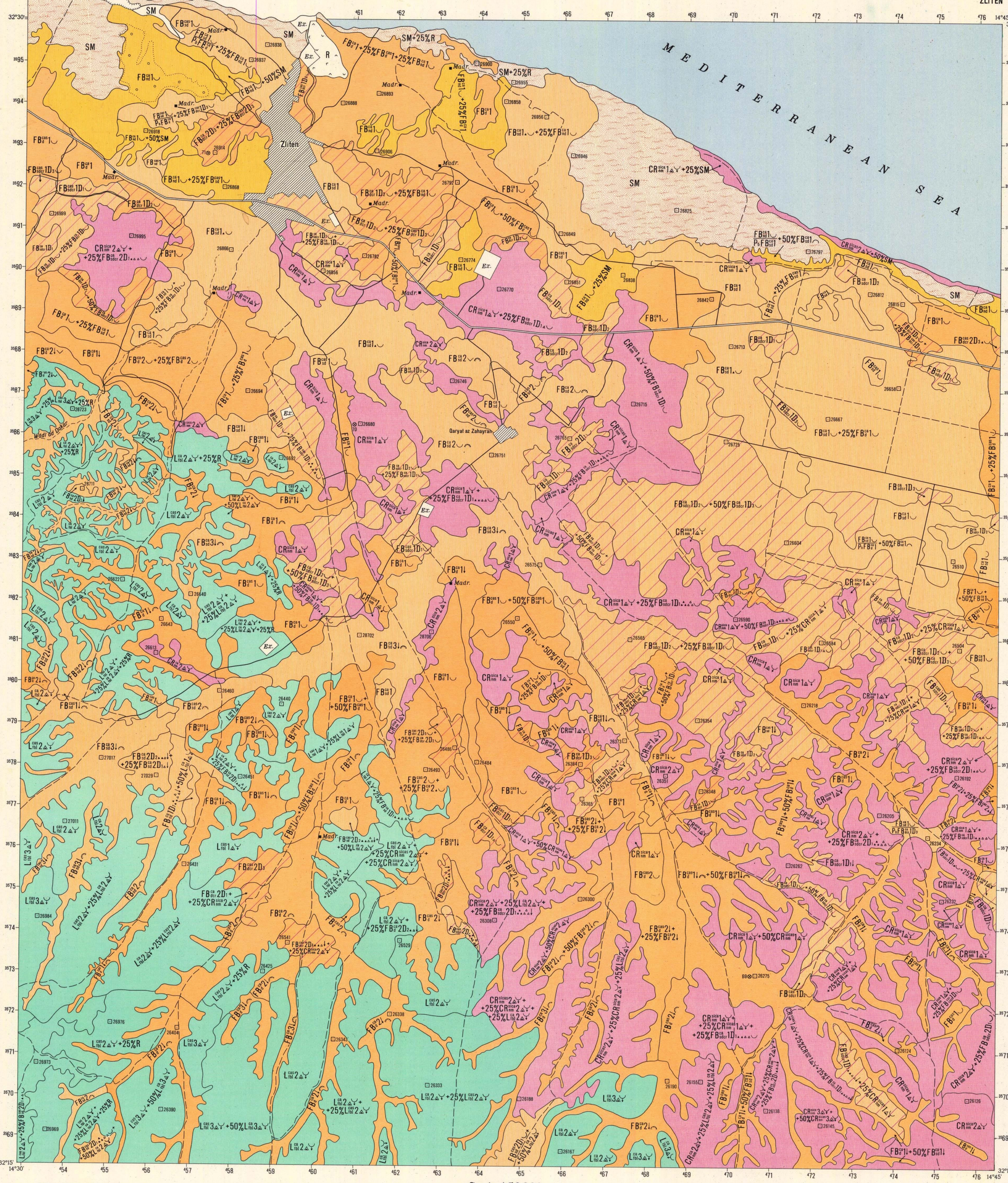
الجماهيرية العربية الليبية الشعبية الاشتراكية
امانة الزراعة

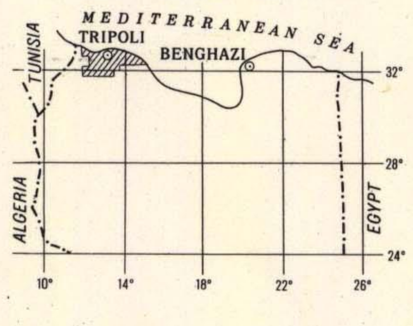
SOCIALIST PEOPLE'S LIBYAN ARAB JAMAHIRIYA
SECRETARIAT FOR AGRICULTURE

خريطة التربة
SOIL MAP

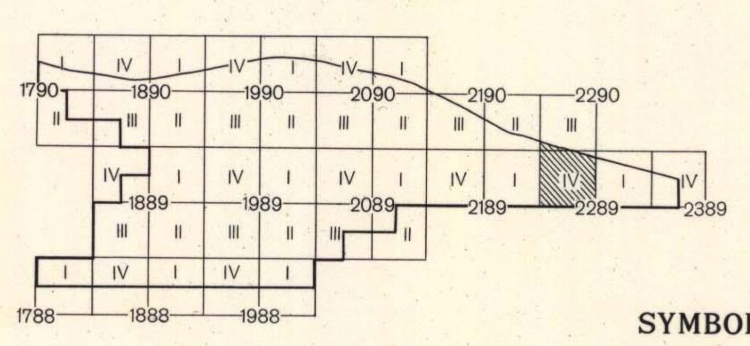
SHEET 2289-IV, 2290-III
زليطن
ZLITEN



ZONE UNDER SURVEY



SHEET LOCATION



Scale 1:50 000

1000 500 0 1000 2000 3000 4000 meters

TRANSVERSE MERCATOR PROJECTION

N

THE MAP IS COMPILED BY THE SOIL-ECOLOGICAL EXPEDITION OF THE USSR V/O „SELKHOZPROMEXPORT"
1980

L E G E N D

TOPOGRAPHIC SYMBOLS

- Settlements
- Landmark objects; separate constructions
- Motor way / Road / Unpaved road
- Wadi from 10 to 50 m wide
- Coastline
- Mapping unit boundary of agricultural land
- Wood
- a Ex. b — Land excluded from survey (exclusion): a-occupied by industrial enterprises and other special objects; b-occupied by mines and quarries

SPECIAL SYMBOLS

- Soil mapping unit boundary
- Representative soil profile
- Points where water-physical properties of soils are determined
- 26751 — Soil profile numbers and numbers of points where water-physical properties of soils are determined

SOILS

- FB_{d}^{ca} — Reddish brown arid differentiated carbonate soils
- FB_{d}^{cas} — Reddish brown arid differentiated carbonate saline soils
- FB_{dcr}^{ca} — Reddish brown arid differentiated crust carbonate soils
- FB_{dcr}^{cas} — Reddish brown arid differentiated crust carbonate saline soils
- FB_{sd}^{ca} — Reddish brown arid slightly differentiated carbonate soils
- FB_{sd}^{cas} — Reddish brown arid slightly differentiated carbonate saline soils
- FB_{sdcr}^{ca} — Reddish brown arid slightly differentiated crust carbonate soils
- FB_{sdcr}^{cas} — Reddish brown arid slightly differentiated crust carbonate saline soils
- FB_{nd}^{ca} — Reddish brown arid non-differentiated carbonate soils
- L_{fbl}^{ca} — Reddish brown carbonate lithosols on limestones
- L_{fbl}^{cas} — Reddish brown carbonate saline lithosols on limestones
- CR_{nm}^{sica} — Non-monolithic siallitic carbonate crusts
- CR_{nm}^{sicas} — Non-monolithic siallitic carbonate saline crusts
- CR_{nm}^{ca} — Non-monolithic carbonate crusts

SYMBOLS INCLUDED IN THE INDEX OF A CARTOGRAPHIC UNIT

NON-SOIL FORMATIONS

- SM — Maritime sands
- R — Rock outcrops

SOIL TEXTURE

- 1 — Sand
- 2 — Loamy sand
- 3 — Light loam

FINE-EARTH LAYER THICKNESS

- D_1 — 30-50 cm-soils of weakly developed profile
- D_2 — 50-80 cm-soils of moderately developed profile
- D_3 — 80-120 cm-soils of deeply developed profile

Soils with a thick profile (more than 120 cm) and with an undeveloped profile (less than 30 cm) are not marked with the index "D".

RATE OF SKELETAL STRUCTURE

(STONINESS AND STONE FRAGMENT CONTENT OF THE UPPER 30 CM THICK SOIL LAYER IN % OF SOIL WEIGHT)

- ▲ — Slightly skeletal, up to 10%
- ▲▲ — Moderately skeletal, 10-20%
- ▲▲▲ — Very skeletal, 20-50%

RATE OF STONINESS

(% OF SOIL SURFACE COVERED WITH STONES AND STONE FRAGMENTS)

- △ — Slightly stony, up to 10%
- △△ — Moderately stony, 10-20%
- △△△ — Very stony, 20-50%
- Skeletal structure and stoniness of soils with an undeveloped profile
- P_b — Soils buried at a depth of 30 to 80 cm

SOIL EROSION

- ↓ — Water sheet erosion (including rill erosion)
- Water gully erosion
- ◡ — Wind erosion (deflation)
- Presence of erosion in soils with an undeveloped profile
- ◠ — Accumulation of sand up to 30 cm thick on the soil surface

SOILS HAVING A DISTURBED PROFILE

- Dammed up and terraced lands

The buried soil index is given as a fraction where the numerator indicates sand deposits or recent soil, while the denominator is the buried soil. Contours with buried soils have the colour of the component indicated in the numerator.

Example: $\dfrac{FB_{sd}^{ca}1\smile}{P_bFB_{d}^{ca}1}$ *Reddish brown arid slightly differentiated carbonate sandy deflated soils of a thick profile overlying reddish brown arid differentiated carbonate sandy soil of a thick profile.*

On the map the soil associations are painted in the colour of a predominant soil. The first place in the index of a soil association is occupied by predominant soils, and subordinate soils are indicated through the "+" sign. The index of a subordinate soil is preceded by its percentage of the association area: 25%-subordinate soil occupies up to 25% of the association area; 50%-subordinate soil occupies 25% to 50% of the association area.

Example: $FB_{sdcr}^{ca}1D_2\smile+25\%CR_{nm}^{sica}1$ *An association of reddish brown arid slightly differentiated crust carbonate sandy deflated soils of a moderately developed profile and to 25% of non-monolithic siallitic carbonate sandy skeletal stony eroded crusts.*