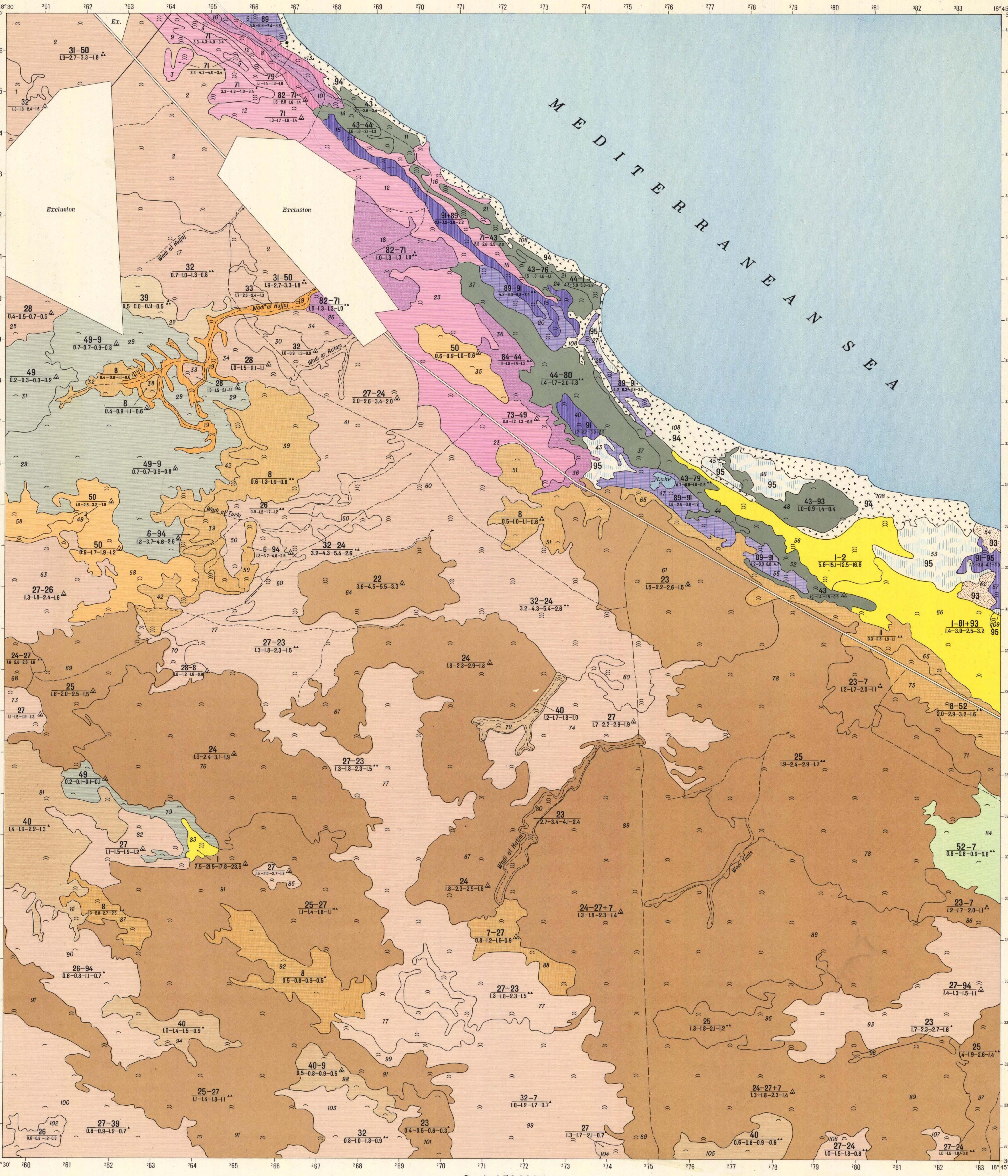
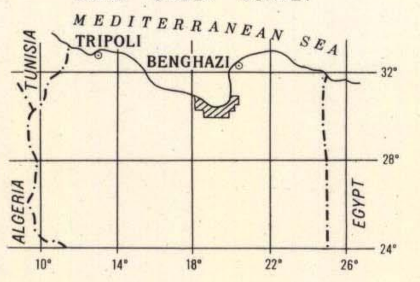
الجماهيرية العربية الليبية الشعبية الاشتراكية
امانة الزراعة
SOCIALIST PEOPLE'S LIBYAN ARAB JAMAHIRIYA
SECRETARIAT FOR AGRICULTURE

خريطة انتاجية المراعى
RANGE LAND PRODUCTIVITY MAP

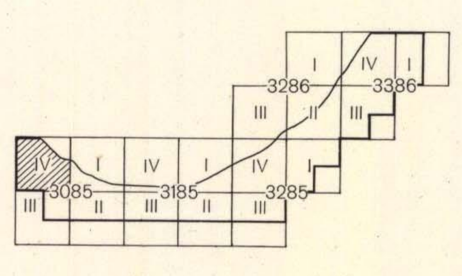
SHEET 3085-IV
رأس ام الغرانيق
RA'S UMM AL GHARĀNĪQ



ZONE UNDER SURVEY



SHEET LOCATION



Scale 1:50000

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

TOPOGRAPHIC SYMBOLS

- Landmark objects: separate constructions
- Motor way / Road / Unpaved road
- Wadi: a-from 10 to 50 m wide; b-over 50 m wide
- Coastline

MISCELLANEOUS LAND

- 93 Sands devoid of vegetation
- 94 Crusts and lithosols devoid of vegetation
- 95 Bare solonchaks
- Lakes non-intermittent
- Ex. Land excluded from survey (exclusion): occupied by industrial enterprises and other special objects

L E G E N D
F O D D E R P A S T U R E S

CLASS I. SHRUBBY AND GRASSY PASTURES ON MARITIME AND CONTINENTAL SANDS

SUBCLASS A. SHRUBBY PASTURES ON MARITIME AND CONTINENTAL SANDS

Retama raetam group of pasture types

- 1 Retama raetam, Lycium europaeum, Nitraria retusa, Atriplex halimus, Suaeda mollis and Hammada schmittiana
- 2 Retama raetam, Stipagrostis pungens and Ammophyla littoralis (Secondary type of pastures in a complex mapping unit)

CLASS II. SHRUBBY- SEMISHRUBBY AND GRASSY PASTURES ON BROWN ARID SOILS, CRUSTS AND LITHOSOLS

SUBCLASS A. SHRUBBY-SEMISHRUBBY PASTURES ON BROWN ARID SOILS, CRUSTS AND LITHOSOLS

Hammada schmittiana group of pasture types

- 6 Hammada schmittiana
- 7 Hammada schmittiana and Anabasis articulata
- 8 Hammada schmittiana, Salsola delileana and Traganum nudatum
- 9 Hammada schmittiana and Gymnocarpos decander (Secondary type of pastures in a complex mapping unit)
- 11 Hammada schmittiana, Lygeum spartum, Stipagrostis pungens and Stipagrostis plumosa

Anabasis articulata group of pasture types

- 22 Anabasis articulata
- 23 Anabasis articulata and Hammada schmittiana
- 24 Anabasis articulata, Salsola tetragona and Salsola tetrandra
- 25 Anabasis articulata and Traganum nudatum

Salsola tetragona group of pasture types

- 26 Salsola tetragona
- 27 Salsola tetragona and Anabasis articulata
- 28 Salsola tetragona and Hammada schmittiana
- 31 Salsola tetragona, Salsola tetrandra and Traganum nudatum
- 32 Salsola tetragona, Salsola delileana and Traganum nudatum

Salsola delileana group ot pasture types

- 33 Salsola delileana and Traganum nudatum

Traganum nudatum group of pasture types

- 39 Traganum nudatum and Hammada schmittiana
- 40 Traganum nudatum and Anabasis articulata

Zygophyllum album group of pasture types

- 43 Zygophyllum album and Frankenia laevis
- 44 Zygophyllum album and Salsola tetrandra

Gymnocarpos decander group of pasture types

- 49 Gymnocarpos decander, Echiochilon fruticosum, Hammada schmittiana, Salsola schweinfurthii and Limonium pruinosum

Salsola schweinfurthii group of pasture types

- 50 Salsola schweinfurthii, Salsola tetragona, Gymnocarpos decander and Hammada schmittiana

SUBCLASS B. GRASSY PASTURES ON BROWN ARID SOILS AND CRUSTS

Lygeum spartum group of pasture types

- 52 Lygeum spartum, Hammada schmittiana and Anabasis articulata

CLASS III. SHRUBBY-SEMISHRUBBY PASTURES ON SALINE SOILS AND HYDROMORPHIC SOLONCHAKS

SUBCLASS A. SHRUBBY-SEMISHRUBBY PASTURES ON BROWN ARID SOILS, SALINE CRUSTS AND HYDROMORPHIC SOLONCHAKS

Salsola tetrandra group of pasture types

- 71 Salsola tetrandra, Suaeda pruinosa and Suaeda mollis
- 73 Salsola tetrandra and Traganum nudatum
- 76 Salsola tetrandra and Zygophyllum album (Secondary type of pastures in a complex mapping unit)

Suaeda mollis group of pasture types

- 79 Suaeda mollis and Salsola tetrandra
- 80 Suaeda mollis, Salsola delileana and Salsola tetrandra (Secondary type of pastures in a complex mapping unit)

Suaeda pruinosa group of pasture types

- 81 Suaeda pruinosa, Salsola tetrandra and Salsola delileana (Secondary type of pastures in a complex mapping unit)
- 82 Suaeda pruinosa, Salsola tetrandra, Salsola delileana and Mixtoherbosa
- 84 Suaeda pruinosa and Limoniastrum monopetalum

Arthrocnemum glaucum group of pasture types

- 89 Arthrocnemum glaucum, Halocnemum strobilaceum and Limoniastrum monopetalum

Halocnemum strobilaceum group of pasture types

- 91 Halocnemum strobilaceum, Arthrocnemum glaucum and Limoniastrum monopetalum

S P E C I A L S Y M B O L S

- Boundary of a pasture mapping unit
- 107 Number of a pasture mapping unit
- $\frac{27-24}{1.0-1.5-1.8-1.1}$ The numerator is the number of a fodder or any other pasture type. The denominator is the yielding capacity per season of a year

STONINESS AND RUBBLINESS OF PASTURES

- Slightly stony pastures (stones and rubble cover up to 10% of the mapping unit area)
- Moderately stony pastures (stones and rubble cover 10% to 20% of the mapping unit area)
- Very stony pastures (stones and rubble cover 20% to 50% of the mapping unit area)
- Highly stony pastures (stones and rubble cover more than 50% of the mapping unit area)

RECOMMENDATIONS FOR SEASONAL USE OF PASTURES BY CATTLE SPECIES

- Round-the -year pastures for camels, goats and sheep
- Summer-autumn pastures for camels

CATEGORIES OF PASTURE PRODUCTIVITY

- Low productive pastures with yielding capacity from 0.1 to 0.9 centner / ha of dry palatable mass
- Moderately productive pastures with yielding capacity from 1.0 to 3.0 centner / ha of dry palatable mass
- Highly productive pastures with yielding capacity over 3.0 centner / ha of dry palatable mass

Note: When on the map, pastures in complex mapping units are subdivided into 2 groups: the first group comprises pastures occupying 100-40% of the mapping unit area, the second group accounts for 35-20% thereof. The numbers of pasture types falling in the same acreage group are joined by a sign "+". A sign "–" is placed between the numbers of different groups.