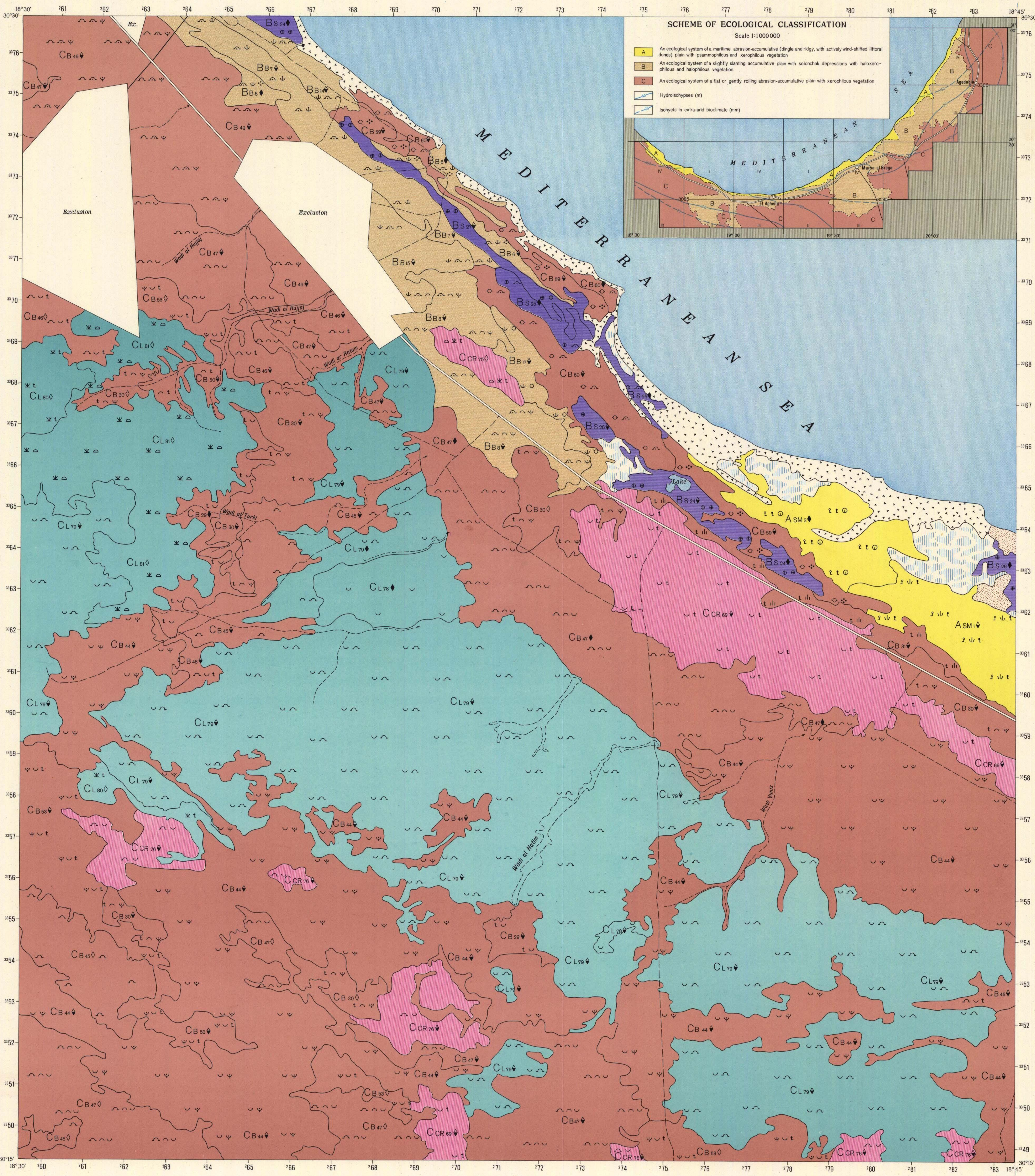
الجماهيرية العربية الليبية الشعبية الاشتراكية
امانة الزراعة

SOCIALIST PEOPLE'S LIBYAN ARAB JAMAHIRIYA
SECRETARIAT FOR AGRICULTURE

خريطة البيئة النباتية
ECOLOGICAL MAP

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



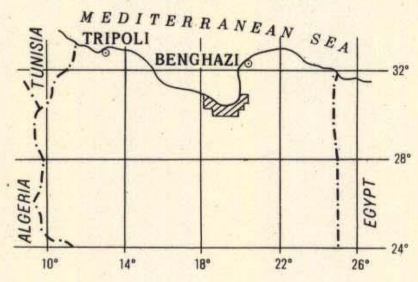
Scale 1:50 000

1000 500 0 1000 2000 3000 4000 meters

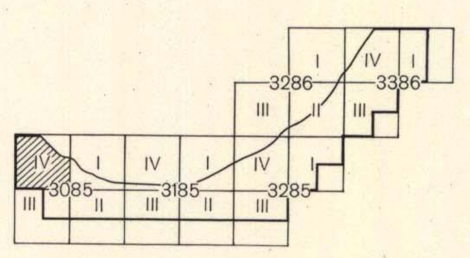
TRANSVERSE MERCATOR PROJECTION

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

ZONE UNDER SURVEY



SHEET LOCATION



L E G E N D

A ZONAL ECOLOGICAL SYSTEM OF THE SIRTICA LITTORAL PLAIN WITH PSAMMOPHILOUS, XEROPHILOUS AND HALOPHILOUS VEGETATION

TOPOGRAPHIC SYMBOLS

ANTHROPOGENIC ECOLOGICAL SYSTEMS:

- Motor way
- Road
- Unpaved road
- Ex. — Land excluded from survey (exclusion): occupied by industrial enterprises and other special objects

NON-CAPABLE ECOLOGICAL SYSTEMS:

- Sands devoid of vegetation
- Crusts and lithosols devoid of vegetation
- Bare solonchaks
- Lakes non-intermittent

OTHER TOPOGRAPHIC SYMBOLS

- Landmark objects: separate constructions
- Wadi: a-from 10 to 50 m wide. b-over 50 m wide
- Coastline

SPECIAL SYMBOLS

- Boundary of a mapping unit of a primary ecological system

CATEGORIES OF ECOLOGICAL SYSTEMS CAPABILITY

- ◊ Low capability, the yield of 0.1 to 0.9 centner per ha of palatable dry mass
- Moderate capability, the yield of 1.0 to 3.0 centner per ha of palatable dry mass
- ♦ High capability, the yield of more than 3.0 centner per ha of palatable dry mass

A ECOLOGICAL TYPE OF HABITAT: AN ECOLOGICAL SYSTEM OF A MARITIME ABRASION-ACCUMULATIVE (DINGLE AND RIDGY, WITH ACTIVELY WIND-SHIFTED LITTORAL DUNES) PLAIN WITH PSAMMOPHILOUS AND XEROPHILOUS VEGETATION

A SM ECOLOGICAL SUBTYPE: AN UNSTABLE ECOLOGICAL SYSTEM OF LITTORAL DUNE SANDS WITH COMMUNITIES OF PSAMMOPHILOUS SHRUBS, SEMISHRUBS AND GRASSES

Primary ecological systems:

- ASM1 — Retama raetam, Stipagrostis pungens, Nitraria retusa communities on maritime sands
- ASM3 — Lycium europaeum, Nitraria retusa, Atriplex halimus, Suaeda mollis communities on maritime sands

B ECOLOGICAL TYPE OF HABITAT: AN ECOLOGICAL SYSTEM OF A SLIGHTLY SLANTING ACCUMULATIVE MARINE PLAIN WITH SOLONCHAK DEPRESSIONS WITH HALOXEROPHILOUS AND HALOPHILOUS VEGETATION

B B ECOLOGICAL SUBTYPE: A STABLE ECOLOGICAL SYSTEM OF SALINE HABITATS CLOSE TO SOLONCHAKS WITH COMMUNITIES OF HALOXEROPHILOUS SHRUBS AND SEMISHRUBS

Primary ecological systems:

- BB6 — Salsola tetrandra, Suaeda pruinosa, Mixtoherbosa communities on brown arid slightly differentiated crust carbonate saline loamy sandy soils
- BB7 — Salsola tetrandra, Suaeda mollis communities on brown arid slightly differentiated crust carbonate saline loamy sandy soils
- BB8 — Salsola tetrandra, Salsola delileana, Traganum nudatum communities on brown arid slightly differentiated carbonate saline sandy and loamy sandy soils
- BB14 — Suaeda mollis, Salsola tetrandra, Salsola delileana, Mixtoherbosa communities on brown arid slightly differentiated crust carbonate saline moderately deflated loamy sandy soils
- BB15 — Suaeda pruinosa, Salsola tetrandra, Salsola delileana, Mixtoherbosa communities on brown arid differentiated crust carbonate saline light loamy soils
- BB17 — Suaeda pruinosa, Limoniastrum monopetalum communities on brown arid differentiated carbonate saline loamy sandy soils

B S ECOLOGICAL SUBTYPE: A RELATIVELY STABLE ECOLOGICAL SYSTEM OF HYDROMORPHIC SOLONCHAKS WITH COMMUNITIES OF HALOPHILOUS SHRUBS AND SEMISHRUBS

Primary ecological systems:

- BS24 — Arthrocnemum glaucum, Halocnemum strobilaceum communities on hydromorphic loamy sandy solonchaks
- BS25 — Arthrocnemum glaucum, Salsola tetrandra communities on hydromorphic crust light loamy solonchaks
- BS26 — Halocnemum strobilaceum communities on hydromorphic sandy and loamy sandy solonchaks
- BS27 — Halocnemum strobilaceum, Arthrocnemum glaucum communities on hydromorphic loamy sandy and light loamy solonchaks

C ECOLOGICAL TYPE OF HABITAT: AN ECOLOGICAL SYSTEM OF A FLAT OR GENTLY ROLLING ABRASION-ACCUMULATIVE PLAIN WITH XEROPHILOUS VEGETATION

C B ECOLOGICAL SUBTYPE: A STABLE ECOLOGICAL SYSTEM OF WATERSHED HABITATS WITH COMMUNITIES OF XEROPHILOUS SEMISHRUBS AND DWARF SEMISHRUBS

Primary ecological systems:

- CB29 — Hammada schmittiana, Anabasis articulata communities on brown arid slightly differentiated crust carbonate non-saline sandy soils
- CB30 — Hammada schmittiana, Salsola delileana, Traganum nudatum communities on brown arid non-differentiated or slightly differentiated carbonate moderately deflated sandy soils
- CB31 — Hammada schmittiana, Lygeum spartum communities on brown arid slightly differentiated carbonate sandy soils with accumulation of sand in some places
- CB44 — Anabasis articulata, Traganum nudatum communities on brown arid slightly differentiated crust carbonate saline loamy sandy soils
- CB45 — Salsola tetragona communities on brown arid slightly differentiated crust carbonate saline loamy sandy soils
- CB46 — Salsola tetragona, Anabasis articulata, Hammada schmittiana communities on brown arid slightly differentiated crust carbonate saline light loamy soils
- CB47 — Salsola tetragona, Salsola delileana, Anabasis articulata communities on brown arid slightly differentiated crust carbonate saline loamy sandy soils
- CB49 — Salsola tetragona, Salsola tetrandra, Traganum nudatum communities on brown arid slightly differentiated crust carbonate loamy sandy soils
- CB50 — Salsola delileana, Hammada scoparia communities on brown arid non-differentiated crust carbonate loamy sandy soils, sometimes with sand accumulation
- CB53 — Traganum nudatum, Anabasis articulata, Hammada schmittiana communities on brown arid slightly differentiated crust carbonate saline loamy sandy and light loamy soils
- CB59 — Zygophyllum album, Mixtoherbosa communities accompanied by Frankenia laevis on brown arid slightly differentiated crust carbonate loamy sandy soils
- CB60 — Zygophyllum album, Salsola tetrandra communities on brown arid slightly differentiated crust sandy soils sometimes with sand accumulation

C CR ECOLOGICAL SUBTYPE: A STABLE ECOLOGICAL SYSTEM OF CRUST HABITATS WITH COMMUNITIES OF XEROPHILOUS SEMISHRUBS AND DWARF SEMISHRUBS

Primary ecological systems:

- CCR69 — Anabasis articulata, Hammada schmittiana communities on non-monolithic carbonate saline loamy sandy and light loamy crusts
- CCR75 — Salsola schweinfurthii, Gymnocarpos decander, Hammada schmittiana communities on non-monolithic carbonate saline loamy crusts
- CCR76 — Salsola tetragona, Anabasis articulata communities on non-monolithic carbonate gypsic loamy sandy crusts

C L ECOLOGICAL SUBTYPE: A RELATIVELY STABLE ECOLOGICAL SYSTEM OF LITHOSOLS WITH COMMUNITIES OF XEROPHILOUS SEMISHRUBS AND DWARF SEMISHRUBS

Primary ecological systems:

- CL78 — Anabasis articulata communities on brown carbonate saline light loamy lithosols
- CL79 — Anabasis articulata, Salsola tetragona communities on brown carbonate loamy sandy and light loamy lithosols
- CL80 — Gymnocarpos decander, Hammada schmittiana communities on brown carbonate loamy sandy lithosols
- CL81 — Gymnocarpos decander, Salsola schweinfurthii communities on brown carbonate light loamy lithosols