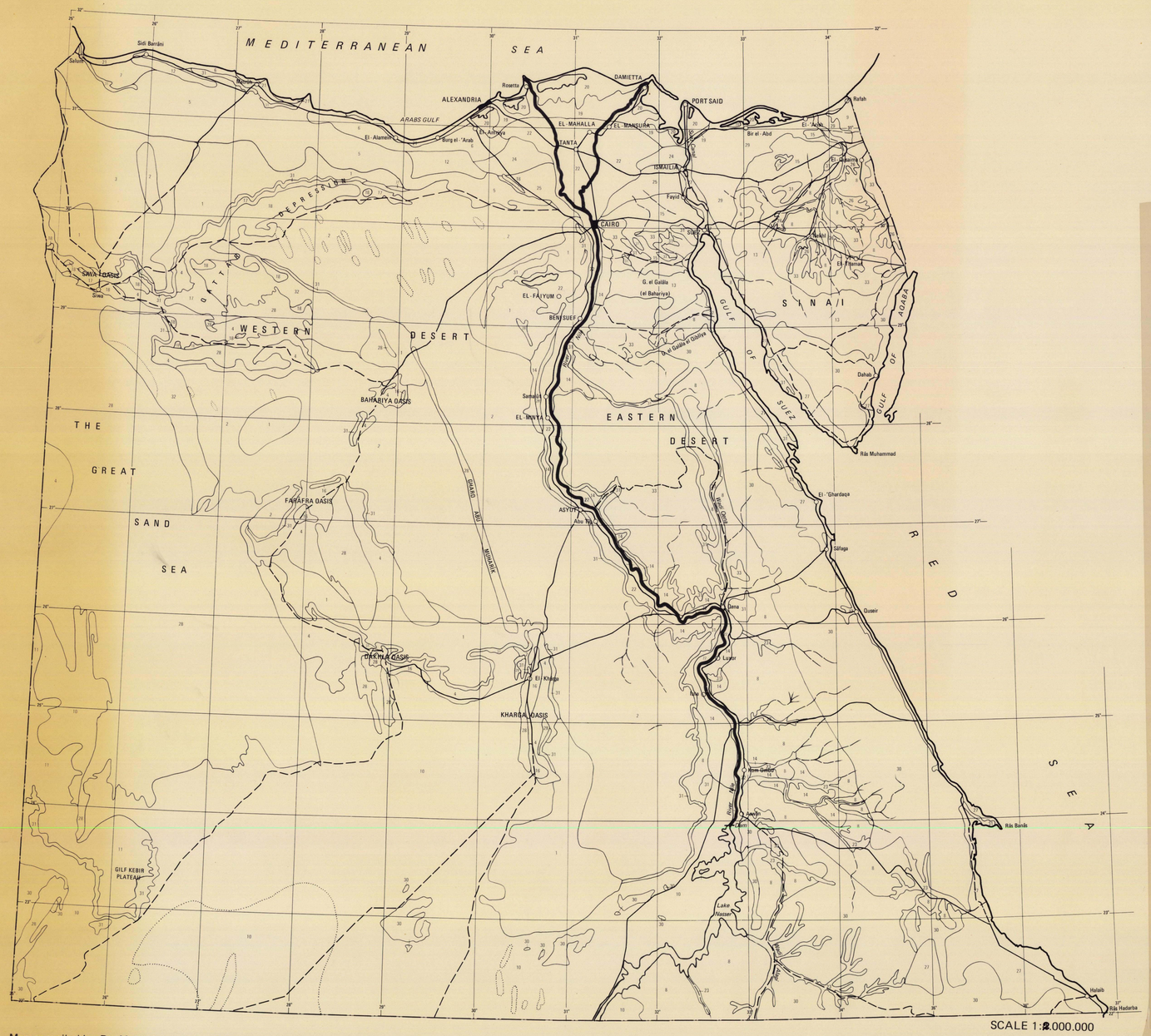
SOIL MAP OF EGYPT

Appendix 2



SCALE 1:2.000.000

0 50 100 200 300 400 kilometres

Legend

I Soils developed mainly from limestones

1 Stoney and loamy sand Lithosols on rough to undulating denuded terrain 1)
Lithic Torriorthents, Torripsamments, Calciorthids, Lithosols 2)
Calcic and Takyric Yermosols, Lithosols 3)

2 Shallow or stoney loamy sand - sandy loam soils of the Peneplains with hill remnants and/or sand dunes
Lithic Calciorthids, Torri- and Quartzipsamments
Calcic and Takyric Yermosols, Eutric Regosols, Lithosols

3 Gravelly sand to gravelly loamy sand Lithosols with scattered Solonchaks
Lithic Torriorthents, Salorthids, Lithosols
Calcaric Regosols, Takyric Solonchaks, Lithosols

4 Sandy soils with stoney hill remnants of the Piedmont plains
Torriorthents, Torripsamments, Salorthids, Lithosols
Calcic Yermosols, Eutric Regosols, Takyric Solonchaks, Lithosols

5 Gravelly sand Lithosols with brown loamy soils in scattered patches of the desert plains
Lithic Torriorthents, Calciorthids, Lithosols
Calcaric and Eutric regosols, Calcic Yermosols, Lithosols

6 Arid brown loamy soils with remnants of rocky ridges of the coastal plains
Calciorthids, Gypsiorthids, Paleorthids, Lithosols
Calcic and Gypsic Yermosols, Lithosols

7 Sandy and loamy sand soils with remnants of rocky ridges of the coastal plains
Torripsamments, Calciorthids, Lithosols
Calcaric Regosols, Calcic Yermosols, Lithosols

II Soils developed mainly from sandstones

8 Sandy soils and gravelly Lithosols of the desert plains with rocky hills
Torripsamments, Lithosols
Dystric and Eutric Regosols, Lithosols

9 Arid brown soils with sand dunes
Calciorthids, Torripsamments
Calcic and Haplic Xerosols

10 Sandy soils of the Nubia sandstone plains with stoney hill remnants and rock exposures
Torripsamments, Quartzipsamments, Lithosols
Eutric Regosols, Lithosols

11 Stoney sand Lithosols on rough terrain with rock lands
Lithic Torripsamments, Lithosols
Lithosols, Eutric Regosols

12 Sandy to loamy sand soils with Lithosols
Torripsamments, Torriorthents, Lithosols
Eutric Regosols, and Lithosols

III Soils developed mainly from a variety of rocks (limestones, chalks, sandstones and shales)

13 Loamy sand to sandy loam soils with Lithosols
Calciorthids, Torriorthents, Torripsamments, Lithosols
Calcic Yermosols, Lithosols

14 Gravels and gravelly sand soils of the alluvial fans, outwash plains, Nile terraces and Piedmont plains
Calciorthids, Gypsiorthids, Torriorthents
Calcaric and Eutric Regosols, Calcic and Gypsic Yermosols, Lithosols

15 Gravelly sand and gravels of a denuded rock land with sand dunes
Lithic Torriorthents, Torripsamments, Lithosols
Calcaric and Eutric Regosols

IV Soils derived mainly from shales

16 Reddish brown calcareous clayey soils of the desert oases
Paleargids, Chromusterts
Chromic Vertisols

V Solonchaks and salt affected soils

17 Solonchaks with rocky hill remnants
Salorthids and Lithosols
Takyric and Orthic Solonchaks, Lithosols

18 Sabkha of the desert depressions
Typic and Aquollic Salorthids, Hydraquents, Psammaquents
Orthic and Gleyic Solonchaks

19 Salt affected soils of the lower Nile delta areas
Typic Salorthids
Takyric and Orthic Solonchaks

VI Salt water marshes

20 Saltmarshes of the lower delta plain
Sulfaquents, Hydraquents and Fluvaquents
Gleyic Solonchaks

21 Lagoons-coastal limestone ridges combinations
Aquollic Salorthids, Sulfaquents, Hydraquents, Psammaquents
Gleyic Solonchaks

VII Alluvial soils and alluvial lacustrine complexes

22 Nile alluvium
Pellusterts, Vertic Torrifluvents
Eutric Fluvisols, Pellic Vertisols

23 Gravelly loamy sands of the drainage channels
Torrifluvents, Torriorthents, Calciorthids
Eutric and Calcaric Regosols

24 Sands, clayloams with calcareous crusts and sand dunes of the delta lacustrine complex
Torripsamments, Torrifluvents, Calciorthids and Salorthids
Calcaric and Eutric Regosols, Calcaric Fluvisols, Orthic Solonchaks

25 Gravels and gravelly sand soils of deltaic phase with sand dunes
Torriorthents, Calciorthids, Quartzipsamments
Calcaric and Eutric Regosols

26 Yellowish brown soils of Wadi El Arish
Xeric Torrifluvents, Calciorthids
Calcaric Fluvisols, Calcic Yermosols

VIII Regosols

27 Gravelly and gravelly sand beaches, sometimes with rock outcrops
Torripsamments, Lithosols
Eutric Regosols, Lithosols

28 Sand dunes and sand sheets of the Western Desert
Quartzipsamments
Eutric Regosols

29 Sand dunes and sand sheets of the Northern Sinai
Quartzipsamments, Torripsamments
Eutric Regosols

IX Miscellaneous

30 Rugged rock land mainly of the basement complex

31 Rocky escarpments of different country rocks

32 Denuded rock land with few sand dunes

33 Dissected limestone plateau with lithosols

1) Nomenclature of this study
2) *Nomenclature of Soil Taxonomy, 1973*
3) Nomenclature of FAO/UNESCO soil map of the world, 1973

Boundary of shifting sand sheets and dunes
Wadi
International boundary
Water
Paved road
Track

Map compiled by Dr. M.A. Hammad in 1975; partly based on sources mentioned in the text.

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