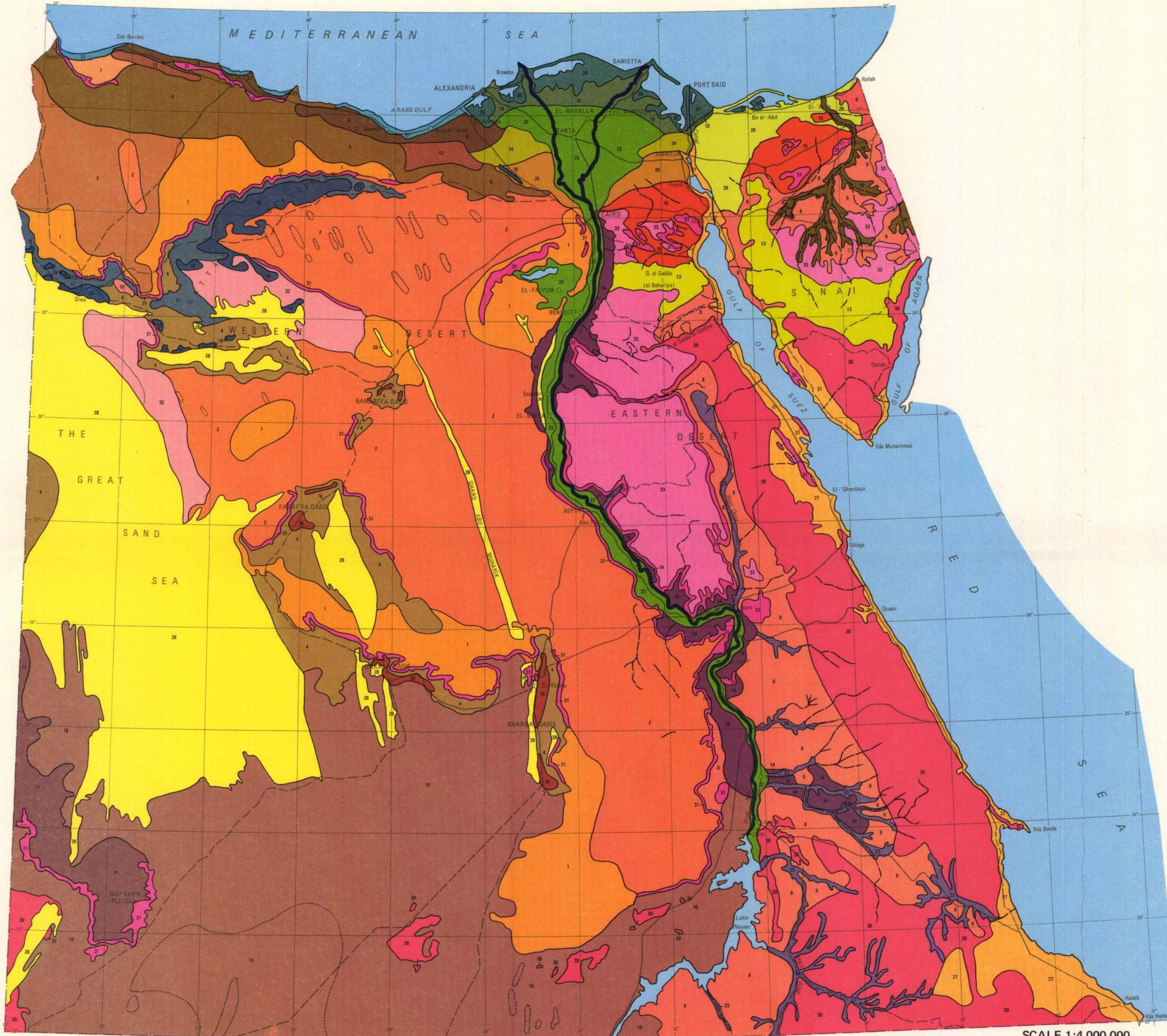


SOIL ASSOCIATION MAP OF EGYPT



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 Takyrlic 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 Takyrlic Yermosols, Eutric Regosols, Lithosols
 - 3 Gravelly sand to gravelly loamy sand Lithosols with scattered Solonchaks
Lithic Torriorthents, Salorthids, Lithosols
Calcaric Regosols, Takyrlic Solonchaks, Lithosols
 - 4 Sandy soils with stoney hill remnants of the Piedmont plains
Torriorthents, Torripsamments, Salorthids, Lithosols
Calcic Yermosols, Eutric Regosols, Takyrlic 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
Palaegids, Chromusterts
Chromic Vertisols
- V Solonchaks and salt affected soils**
 - 17 Solonchaks with rocky hill remnants
Salorthids and Lithosols
Takyrlic 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
Takyrlic 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

SCALE 1:4.000.000

