

- MAP LEGEND**

POPULATED PLACES

 - Town
 - Village
 - Ruins
 - Areas under cultivation
 - Date gardens

TRANSPORTATION

 - Normal gauge, single track railroad, with station
 - Major road
 - Secondary road
 - Road of questionable permanence
 - Camel trail
 - Airport
 - Landing field

HYDROGRAPHIC FEATURES

Only isolated wells are shown.

 - Dug well
 - Drilled water well
 - Dry well
 - Dajl
 - Ditch
 - Intermittent stream
 - Sabkha

HYPOSGRAPHIC FEATURES

Generalized relief

Sand

Dense acacia represents mobile sand cover consisting primarily of dunes, linear ridges, and other individual sand forms. But are shown where map scale permits, moderately dense elliptic acacia represents more stabilized continuous sand cover; open acacia represents discontinuous sand cover.

Types of sand terrain

Transverse. Predominantly sand and composed of rounded ridges in areas of more mobile sand, and/or of simple rounded dunes, both oriented transverse to the prevailing wind direction.

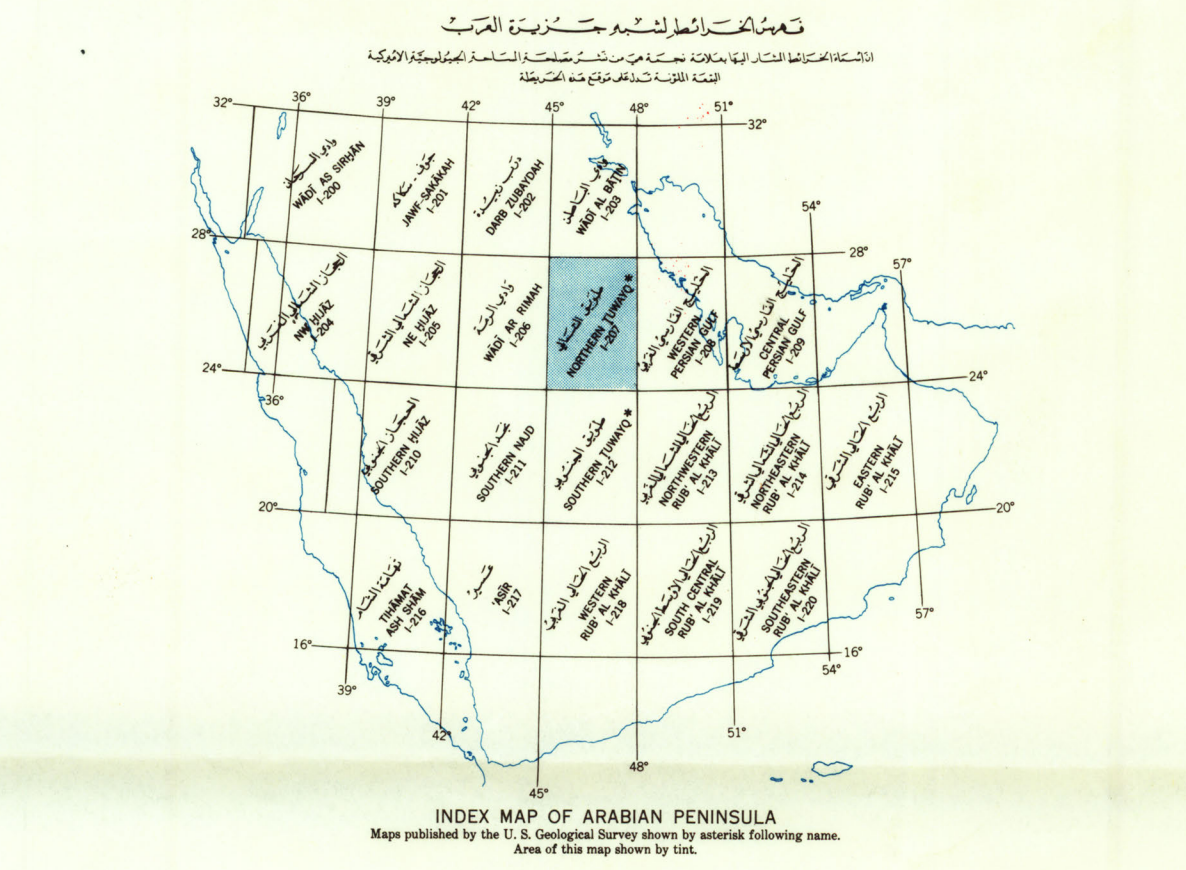
Longitudinal. Primarily dikhlab and various types of undulating sand sheets, in general characterized by elongation of the individual topographic forms parallel to the prevailing wind direction, often partially stabilized by sparse vegetation.

Udd. Various forms of long, nearly parallel, sharp crested narrow sand ridges and dunes arising separated by broad sandy depressions, usually in the form of a series of transverse ridges, depressions of 1 meter between ridges. They are the result of a system of two dominant wind directions and are identical to the sand dunes of North Africa.

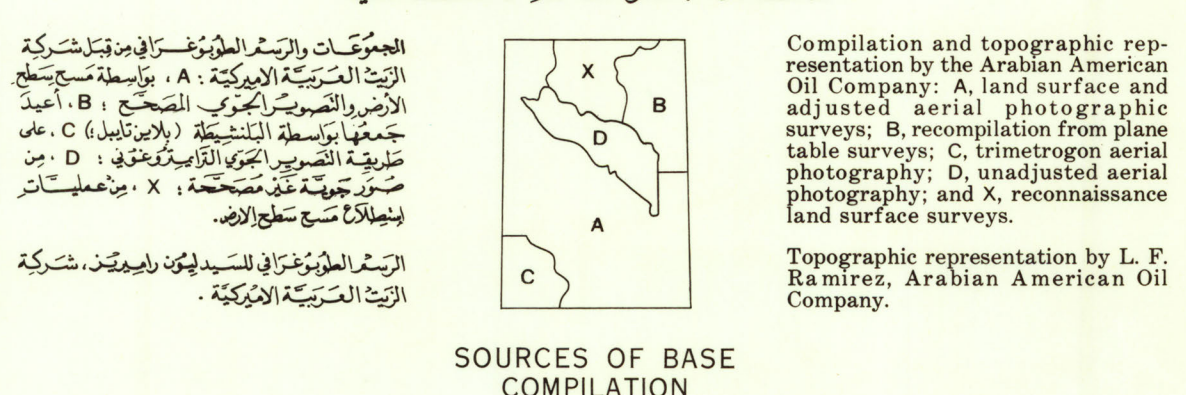
"Sand mountains." Dominated by low sand mounds, often cresting 10 to 300 meters above the substratum, often with superimposed dune patterns consisting of various types of complex bar-chans. Common forms are giant bar-chans spanning several kilometers from horns to horns, giant beignets and pyramidal sand peaks as well as other less common peak forms; and giant oval to elongated sand mounds.

MISCELLANEOUS FEATURES

 - Oil pipeline, with pumping station
 - Water pipeline
 - Kilometer post
 - Measured from Al Qatif
 - Spot elevation in meters
 - Benchmark
 - Triangulation station



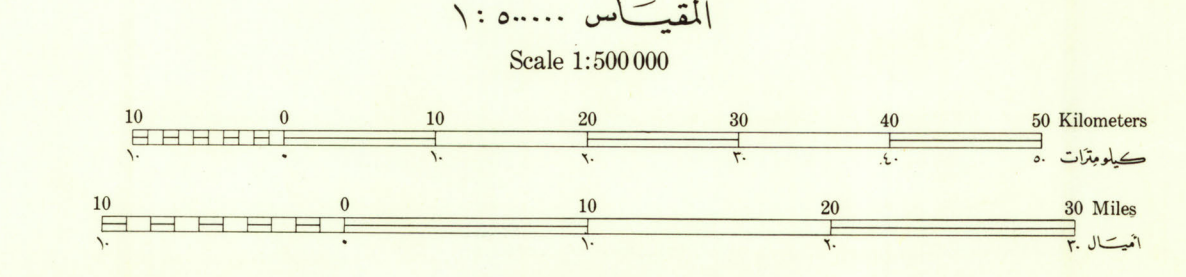
المصطلحات GLOSSARY	
أبرق	Abrq Rocky hill with salt on slopes
أبرق	Abrq Spring, solution pit, or
أبرق	Abrq Depression or hollow, usually elongate
أبرق	Abrq Dug well
أبرق	Abrq Deep sink hole or solution cavity
أبرق	Abrq Road or trail
أبرق	Abrq Extensive featureless upland gravel plains
أبرق	Abrq Long linear sand dune
أبرق	Abrq Hill or mountain
أبرق	Abrq Rocky escarpment, low cliff, or side of a valley
أبرق	Abrq Long narrow sand-free band of scattered rock outcrops between a valley
أبرق	Abrq (sandhill) sandhill
أبرق	Abrq Prominent sandy-bottomed depression or basin
أبرق	Abrq Barren ground
أبرق	Abrq Barren ground with gentle slopes
أبرق	Abrq Depressions without scattered gullies
أبرق	Abrq Narrow basins of plains between pits, commonly without rock
أبرق	Abrq Commonly barren and lacking vegetation
أبرق	Abrq Pond in a natural depression
أبرق	Abrq Headland or promontory along a cliff or mountain front
أبرق	Abrq Shallow hand-dug well
أبرق	Abrq Large area of sand dunes
أبرق	Abrq Isolated large prominent sand dune
أبرق	Abrq Port, plateau, or castle
أبرق	Abrq Sand area
أبرق	Abrq Closed basin with firm, flat, vegetation-covered mud surface, occasionally rocky and sandy
أبرق	Abrq Rock cairn
أبرق	Abrq Silt, clay, and sand flats, often with saline incursions
أبرق	Abrq Ditch
أبرق	Abrq Same as wadi
أبرق	Abrq Long narrow sand dune or valley
أبرق	Abrq Area ranging from a plain to a shallowly dissected area
أبرق	Abrq Mark place
أبرق	Abrq Small linear sand ridges
أبرق	Abrq Valley or dry water course



سجلان في الأصل على شكل جداول، حيث
جانبية ويضمها في سنة ١٩٥٦ خرائط مطبوعة
تحتوي على معلومات عن المنطقة المذكورة
والتي تغطي الأراضي الواقعة بين الحدود
الداخلية والحدود الخارجية للبلاد
والمناطق المحيطة بالمدن الرئيسية والساحل
الصغير المحيط بالبحر الأبيض المتوسط
والإقليم البحري العربي.

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GEOGRAPHIC MAP OF THE NORTHERN TUWAYQ QUADRANGLE, KINGDOM OF SAUDI ARABIA

By
Richard A. Bramkamp and Leon F. Ramirez

خريطة جغرافية للوحة طويق الشمالي بالمملكة العربية السعودية

السادة ريتشارد برمكامب وليون راميريز

ابحاث جيولوجية مختلفة
خريطة رقم ١-٢٠٧ب
MISCELLANEOUS GEOLOGIC INVESTIGATIONS
MAP 1-207B

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