

GEOLOGICAL MAP NO. 29
FORT SANDEMAN
39 A·E

GEOLOGICAL SYMBOLS

Biological boundaries

Alkalin boundary
Conformable or at least bound
Unconformable or disconformable boundary

Geological boundary
Unconformity
Formation boundary (transgressive bedding [interflow])
Formation boundary, location questionable

Attitude

Bedding, field observation (horizontal, inclined, vertical, overthrown)
Bedding, photo interpretation (horizontal, inclined, vertical, overthrown)
Joint, field observation (horizontal, inclined, vertical, overthrown)
Joint, photo interpretation (dip direction unknown, inclined, vertical)
Cleavage or schistosity, field observation (horizontal, inclined, vertical)
Stratiform foliation, photo interpretation (vertical, dip unknown)
Unfolding (plunging, horizontal)

Dip and plunge values (in degrees)

Bedding from (vertical section of) bedding with dip(s)
Bedding from (vertical, overthrown)
Fault (existence and position certain)
Fault (existence or position uncertain)
Fault (inclined, vertical)
Fault (dip strike indicates dip relative to horizontal)
Fault (normal movement)
Fault (reverse movement)
Fault (direction of strike)
Fault (direction of strike, dip direction of strike)
Folding (low speed, reverse, uncompressible compact, strike and dip of axis as indicated)
Folding (slow upward, vertical, uncompressible compact, strike and dip of axis as indicated)
Thrust fault (existence and position certain)
Thrust fault (existence or position uncertain)
Thrust fault (direction of movement of allochthon)
Thrust fault (Slip, Feather)

Articulate axis (existence and position uncertain)
Articulate axis (existence or position uncertain, or axis concealed by alluvium)
Syncline axis (existence and position uncertain)
Syncline axis (existence or position uncertain, or axis concealed by alluvium)
Fold axis, plunging (arrow indicates direction of curvature)
Folding (slow-upward, uncompressible, uncompressible compact, dip of axial plane as indicated)
Folding (slip-upward, overthrown, uncompressible compact, dip of axial plane as indicated)
Structure "high" (concealed basement)


Structural "low" (concealed basement)


Impure gray or small thick (silicified basement, intrusive basement)


Vegetation


Forest (extensive)
Forest locality (extensive narrow, grassy)
Dikes and sills (single, multiple)
Coal seams
Formation symbol (SEE Formation symbols, page 10)
Formation symbol (outside area of application)
Formation symbol (concluded formation)
Vegetative rocks (area past shown)


GEOGRAPHICAL SYMBOLS


Head undressed 


Hateable individual 


Railway 


Public boundaries 


Interventions 


Disjointed 


Ever, stream, or side (dry, permanent, or seasonal flow) 


Canal 


Lake 


Human (physical) 


Swampy terrain 


Swamp dunes (flowing direction of prevailing wind) 


Strand lines or elevated beaches 


City or town, village 


Peak, high point, or spur (elevation with elevation in feet) 


Notes 


City 


Main town or district headquarters 


Village or place 


Peak, pass, saddle, or ridge 


Pass, saddle, or ridge 


Pass, saddle, or ridge 


Pass, saddle, or ridge 


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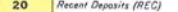
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Lithographed by the Surveys and Mapping Branch, Department of Mines and Technical Surveys, Ottawa, Canada, 1958.

Surveyed and compiled in 1953-56, by THE PHOTOGRAPHIC SURVEY CORPORATION LIMITED, TORONTO, CANADA in co-operation with THE GEOLOGICAL SURVEY OF PAKISTAN, using aerial photographs taken in 1952-54.

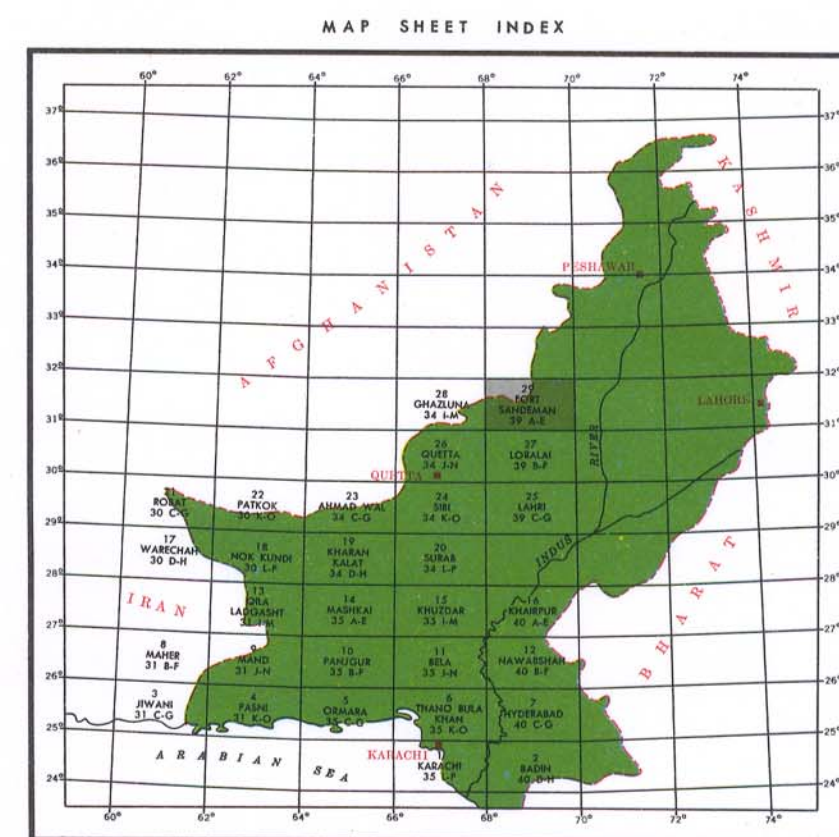
39 A-E-I

INTERNAL REFERENCE

1	5	9	13	1	5	9	13
2	6	10	14	2	6	10	14
3	7	11	15	3	7	11	15
4	8	12	16	4	8	12	16

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RECONNAISSANCE GEOLOGY

OF PART OF
WEST PAKISTAN

FOR THE GOVERNMENT OF PAK

SCALE 1:253,440

Four Miles to One Inch

Miles

Base map compiled from aerial photographs and Survey of Pakistan topographic maps.

A COLOMBO PLAN CO-OPERATIVE PROJECT

STRUCTURE-SECTION ALONG LINES D-E, F-G-H, I-J, K-L, M-N.

10° 15'

Wali Murgha Kandar Rud

A topographic map of the study area, showing contour lines and elevation markers. The map is oriented horizontally. A vertical line runs through the center, and a horizontal line runs across the middle. The map shows a series of contour lines, with a peak labeled '13' and a valley labeled '20'. The map is divided into several sections by these lines.

20 A/3	20 A/7	20 A/7	20 A/5
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31° 00'

Washington 35,000'

Topographic map showing contour lines and elevation markers. The map includes a scale bar indicating distances from 0 to 1000 meters. Elevation markers are provided in meters (m) and feet (ft): 10,000 m (32,800 ft), 12,000 m (39,400 ft), 14,000 m (45,900 ft), and 16,000 m (52,500 ft).

Continues on Map No. 27

