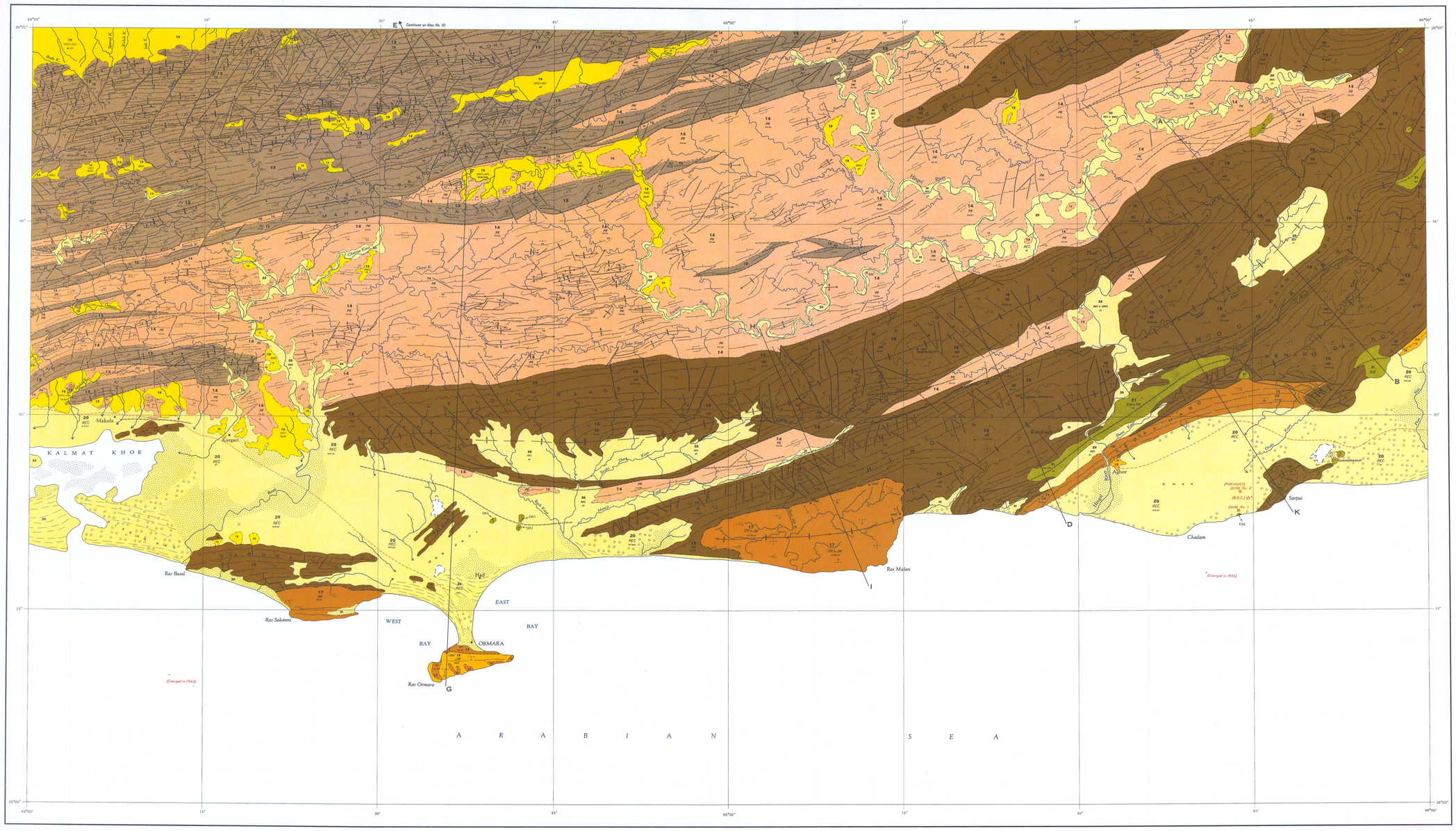


GEOLOGICAL MAP NO. 5
ORMARA
35 C·G

GEOLOGICAL SYMBOLS

Geological boundaries
- *Alluvium boundary*
- *Conformable or intrusive boundary*
- *Unconformable or disconformable boundary*
- *Intraformational boundary*
- *Formation boundary transgressing bedding (interfacies)*
- *Formation boundary, location questionable*

Attitudes
- *Bedding, field observation (horizontal, inclined, vertical, overturned)*
- *Bedding, photo interpretation (horizontal, inclined, vertical, overturned)*
- *Joints, field observation (horizontal, inclined, vertical)*
- *Joints, photo interpretation (dip direction unknown, inclined, vertical)*
- *Cleavage or schistosity, field observation (inclined, vertical)*
- *Stratiform foliation, photo interpretation (vertical, dip unknown)*
- *Lineation (plunging, horizontal)*
- *Dip and plunge values (in degrees)*
- *Bedding traces (eroded edges of bedding with dips)*
- *Bedding traces (vertical, overturned)*
- *Fault (existence and position certain)*
- *Fault (existence or position uncertain, or concealed by alluvium)*
- *Fault (inclined, vertical)*
- *Fault (solid circle indicates side relatively downthrown)*
- *Fault (normal movement)*
- *Fault (reverse movement)*
- *Fault (relative direction of strike-slip movement)*
- *Faulting (close spaced, reverse, unmappably complex, strike and dip directions as indicated)*
- *Faulting (close spaced, reverse, unmappably complex; sections only)*
- *Thrust fault (existence and position certain)*
- *Thrust fault (existence or position uncertain)*
- *Thrust fault (direction of movement of allochthon)*
- *Thrust fault (Klippe, Fenster)*
- *Anticline axis (existence and position certain)*
- *Anticline axis (existence or position uncertain, or axis concealed by alluvium)*
- *Syncline axis (existence and position certain)*
- *Syncline axis (existence or position uncertain, or axis concealed by alluvium)*
- *Fold axis, plunging (arrow indicates direction of plunge, bar locates culmination or depression)*
- *Folding (close-spaced, unclassified, unmappably complex, strike of axis as indicated)*
- *Folding (close-spaced, overturned, unmappably complex, dip of axial plane as indicated)*
- *Structural "high" (concealed basement)*
- *Structural "low" (concealed basement)*
- *Igneous plug or small stock (alluvium boundary, intrusive boundary)*
- *Volcanic crater*
- *Fossil locality (previous survey, present survey)*
- *Dykes and sills (single, multiple)*
- *Coal seams*
- *Formation symbols (SEE Stratigraphic legend) examples* ..... REC DU
- *Formation symbol (outside area of application)* ..... (NG)
- *Formation symbols (combined formations)* ..... PH+BC
- *Volcanic rocks (area pattern showing occurrence)*
- *Lithology symbols:*

dolomite	dm	*tuff*	tf	*dolerite*	dr
shaly limestone	sl	*volcanic material (undefined)*	vc	*pegmatite*	pg
limestone	ls	*basalt*	bs	*porphyry*	po
marl	mr	*andesite*	an	*alluvium (undefined)*	all
shale	sh	*granite*	gr	*clay*	cly
mudstone	ms	*syenite*	sy	*silt*	slt
sandstone	ss	*diorite*	di	*sand*	snd
conglomerate	cg	*gabbro*	gb	*gravel*	grvl
agglomerate	ag	*ultrabasic rocks*	ub	*boulders*	bld

- *Lithology symbols (combined in order of importance)* ..... Sh/Ls/Ss
- *Mineral prospect or occurrence (visited during present survey)*
- *Mineral occurrence (reported by previous survey; location uncertain)*
- *Quarry or mine (in operation)*
- *Quarry or mine (abandoned)*
- *Seepage of oil*
- *Seepage of gas*
- *Seepage of oil and gas*
- *Seepage of sulphurous waters*
- *Mud volcano*
- *Abandoned oil well*
- *Abandoned well with show of oil*
- *Abandoned well with show of gas*
- *Abandoned well*
- *Well (drilling)*
- *Minerals:* *alum* al, *antimony* sb, *arsenic* ar, *asbestos* as, *barium* ba, *building stone* bs, *calcite* ca, *chromite* cr, *clay* cl, *coal* c, *copper* cu, *feldspar* fp, *fluorite* fl, *fullers earth* fu, *glass sand* gl, *gypsum* gy, *iron ore* fe, *laterite* la, *lead* pb, *limestone* ls, *magnesite* mg, *manganese* mn, *mica* mi, *natural gas* g, *ochre* oc, *petroleum* p, *salt* sa, *serpentine* sp, *strontium* sr, *sulphur* sf, *talc* ta, *vermiculite* vt

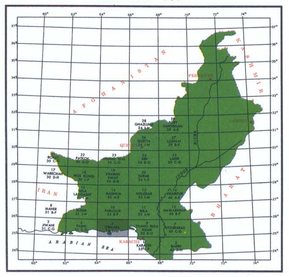
GEOGRAPHICAL SYMBOLS

- *Road unclassified*
- *Motorable trail*
- *Railway*
- *Political boundaries*
  - *International*
  - *Divisional*
- *River, stream, or nala (dry, perennial, or seasonal flow)*
- *Canal*
- *Lake*
- *Hamun (playa)*
- *Sandy tracts*
- *Sand dunes (showing direction of prevailing wind)*
- *Strand lines or elevated beaches*
- *City or town, village*
- *Peak, high point, or spot elevation (with elevation in feet)* 5100
- *Names*
  - *City* ..... QUETTA
  - *Main town or district headquarters* ..... PANJGUR
  - *Village or place* ..... Nag
  - *Peaks, passes, plains* ..... TAKATU, KHOJAK PASS, KARAHI PLAIN
  - *River, stream, nala, hamun, lake, or canal* ..... Lundo N, Hamu Lake
  - *Peninsula or cape* ..... Ras Malan
  - *Bay or inlet* ..... MIANI HOR
  - *Ranges (spaced names)* ..... SIAHAN RANGE
  - *Divisions* ..... KALAT
  - *Countries* ..... IRAN

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.

MAP SHEET INDEX



35 C-G
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		

RECONNAISSANCE GEOLOGY
OF PART OF
WEST PAKISTAN

PUBLISHED FOR THE GOVERNMENT OF PAKISTAN
BY THE GOVERNMENT OF CANADA

SCALE 1:253,440

Four Miles to One Inch

Miles 4 3 2 1 0 4 8 12 16 20

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

A COLOMBO PLAN CO-OPERATIVE PROJECT

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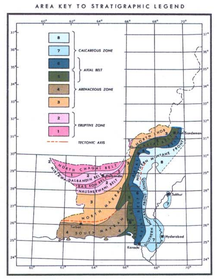
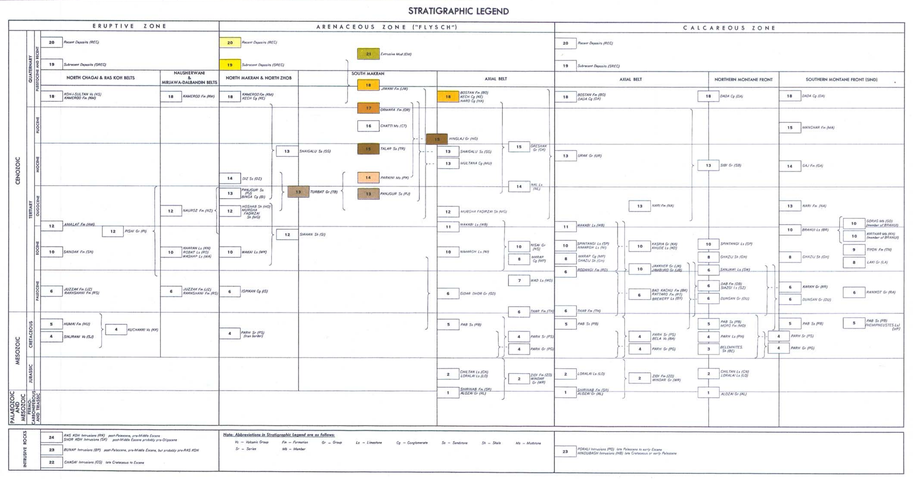
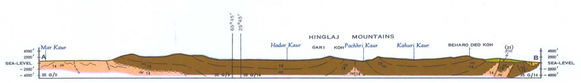
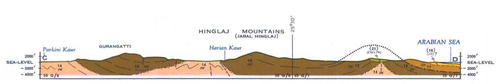
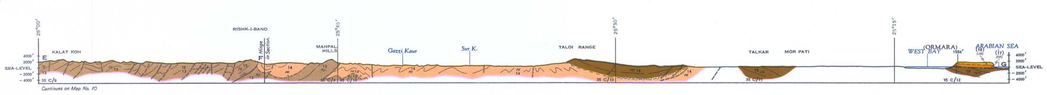
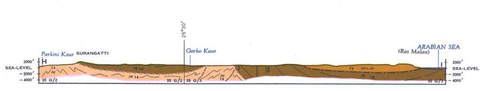
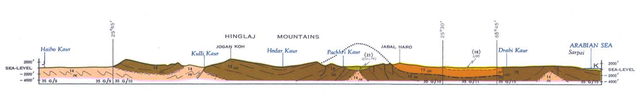
AREA KEY TO STRATIGRAPHIC LEGEND



STRATIGRAPHIC LEGEND