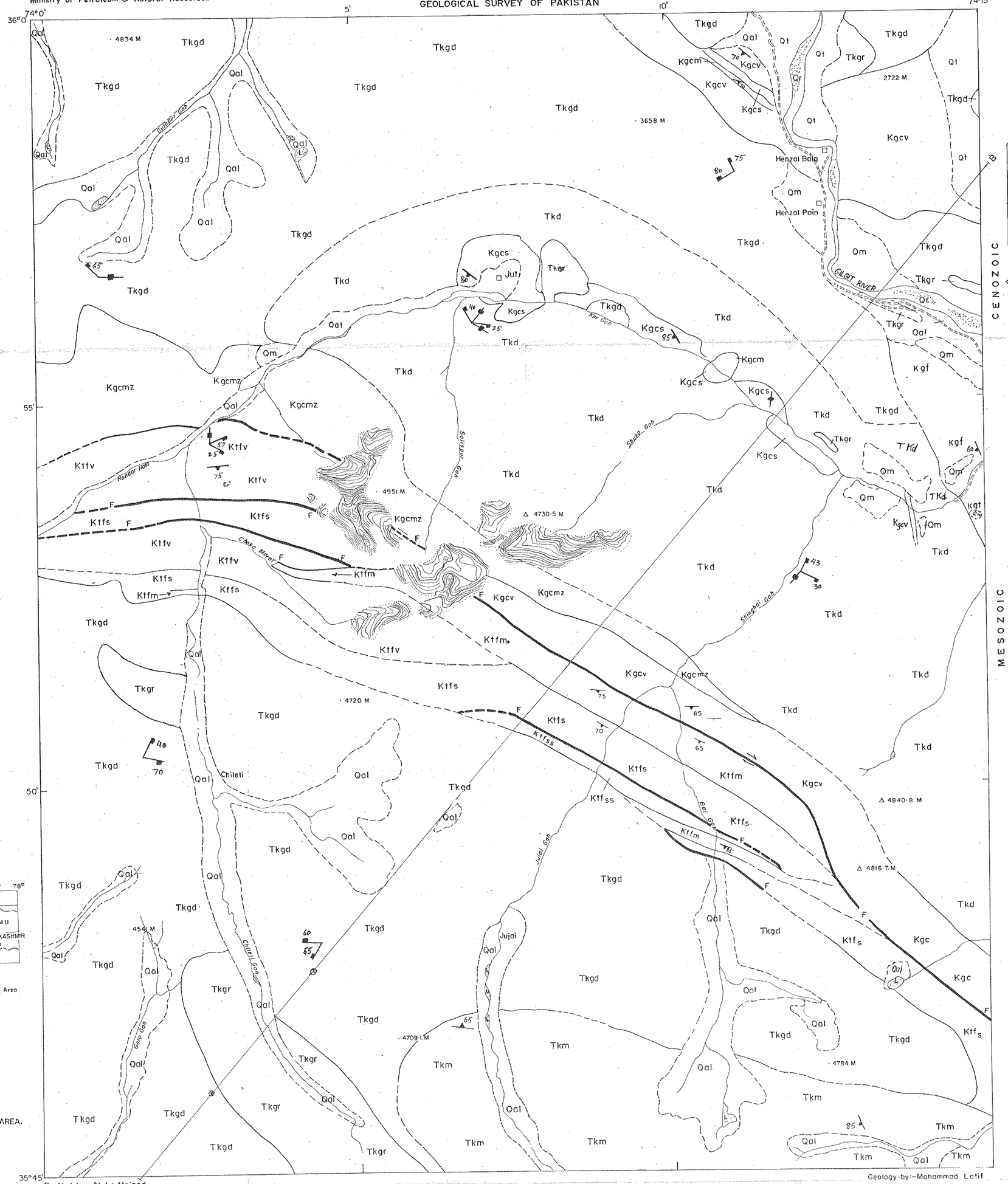
Government of Pakistan
Ministry of Petroleum & Natural Resources

GEOLOGICAL SURVEY OF PAKISTAN

Toposheet No. 43-I/1



EXPLANATION

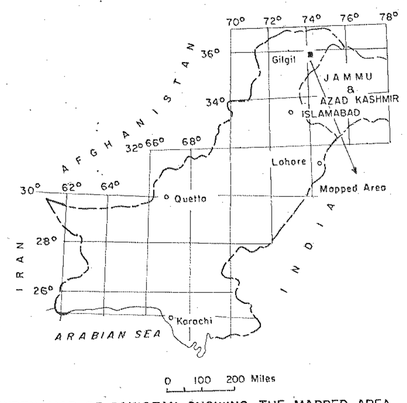
AGE	SYMBOL	DESCRIPTION
CENOZOIC — Pleistocene – Recent	Qr	River bed deposite
	Qal / Qt	Alluvium (Qal) – Terraces (Qt)
	Qm	Moraines
		KOHISTAN BATHOLITH
Paleocene / Miocene	Tkgr	Granite
	Tkgd	Granodiorite
	Tkd	Diorite
	Tkm	Mixed Zone (Diorite / Granodiorite, Paragneiss Quartzite, Tuff Pegmatite, Aplite and Dolerite Dykes)
		THELICHI FORMATION
MESOZOIC — Late – Cretaceous	Ktfv	Metavolcanics & Metasediments
	Ktfm	Marble
	Ktfs	Slate / Quartzite
	Ktf ss	Sandstone
		GREEN STONE COMPLEX
Early – Cretaceous	Kgcv	Metavolcanics
	Kgcmz	Mixed Zone (Volcanic rocks + Micro Diorite + Gabbro + Ultramafics)
	Kgcm / Kgcs	Metasediments (Marble + Slate + Quartzite)
		GILGIT FORMATION
	Kgf	Paragneisses, Schists and Amphibolites

GEOLOGICAL SYMBOLS

- F — Fault
- 65 — Foliation
- Vertical foliation
- Contacts, probable (dashed), gradational (dotted)

NON-GEOLOGICAL SYMBOLS

- Un-metalled road
- River
- Nala
- △ 4730·5 M — Height in meters
- Glacier
- Lake
- Locality
- A — B Section line



INDEX MAP OF PAKISTAN SHOWING THE MAPPED AREA.

Drafted by Abdul Majeed

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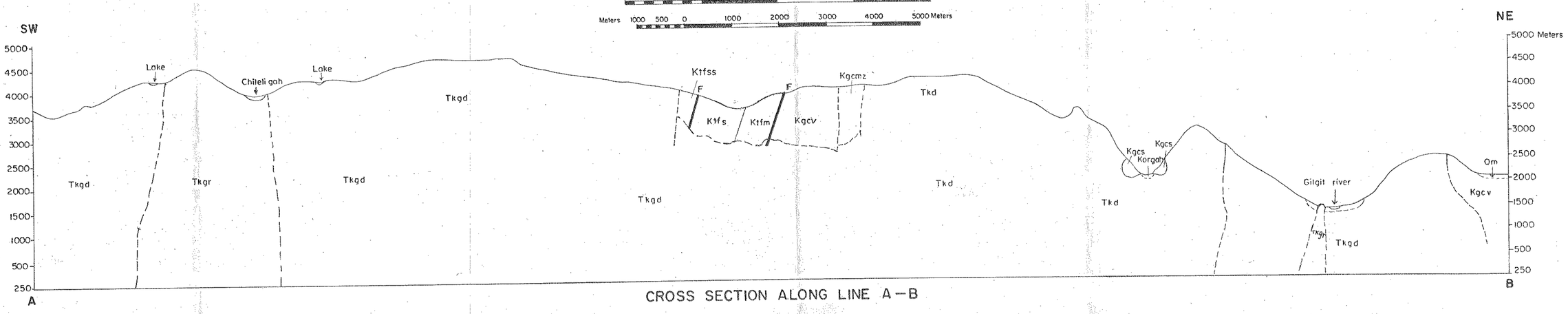
Scale 1:50,000

Furlongs 8 6 4 2 0 1 2 3 Miles

Meters 1000 500 0 1000 2000 3000 4000 5000 Meters



CROSS SECTION ALONG LINE A–B

FIG. 1 - GEOLOGICAL MAP OF KARGAH QUADRANGLE (43, I/1) GILGIT DISTT. NORTHERN AREAS OF PAKISTAN