Government of Pakistan
Ministry of Petroleum & Natural Resources

GEOLOGICAL SURVEY OF PAKISTAN

Information Release No. 689

LEGEND

QUATERNARY

- Recent — Qal — Alluvium
- Sub-recent to Pleistocene — Qr — Regolith, in Situ material, a depositional and weathering by-product.
- Sub-recent to Pleistocene — Qm — Moraine

TERTIARY

LADAKH INTRUSIVES (II Phase)

- Eocene to Paleocene — Tlg — Granite
- Eocene to Paleocene — TLgd — Granodiorite
- Eocene to Paleocene — Tlq — Quartz diorite
- Eocene to Paleocene — Tld — Diorite

CRETACEOUS

BURJI-LA FORMATION

- Late Cretaceous — Kbc — Calcareous metasediments: Semi crystalline limestone/marble
- Late Cretaceous — Kbp — pelitic metasediments: Shale, Slate, Phyllite, Schist, Well-foliated, thin laminated, associated with quatzite bands and intermingled by volcano sediments

DEOSAI VOLCANICS

- Kdv — Volcanics of calc-alkaline sequence: andesite, dacite, rhyodacite, locally intermixed with tuff & agglomerate

SHIGAR VOLCANOGENICS

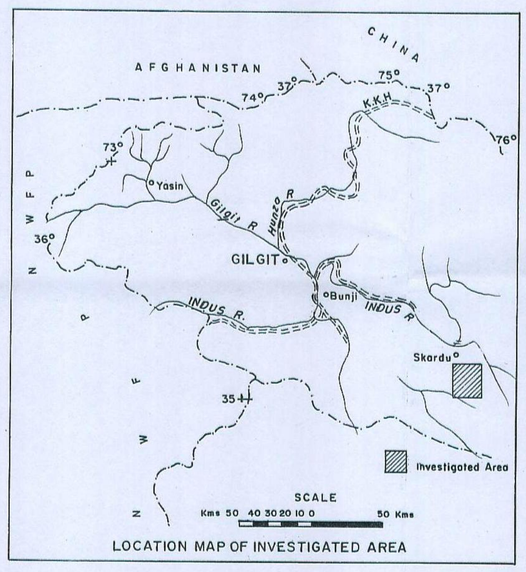
- Early Cretaceous — Ksv — Metavolcanics—andesite & dacite
- Ksa — Intermixed volcanosediments and metasediments—green volcanic ash & tuffaceous material, intermixed with slate, phyllite and talc-chlorite-quartz schist.

GEOLOGICAL SYMBOLS

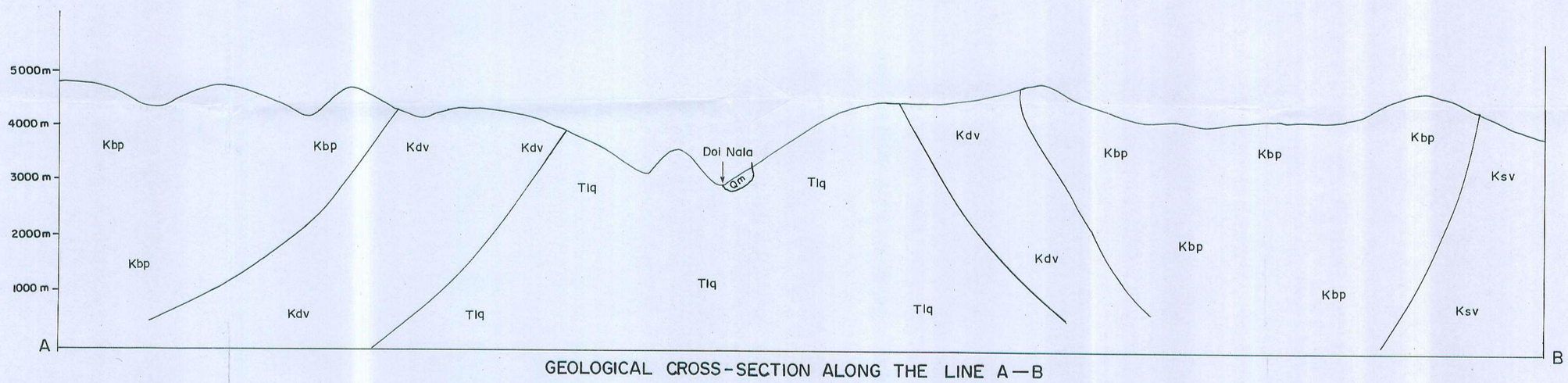
- Foliation
- Vertical foliation
- Syncline
- Anticline
- Plunging syncline
- Sulphide zone
- Fault, dashed where probable
- Gradational contact
- Contact, dashed where probable
- Contact with Quaternary deposits
- Line of Cross section

NON-GEOLOGICAL SYMBOLS

- Spring
- Bridge
- Unmetalled road
- Lake
- Mud swamps
- Height in metres
- Nala



LOCATION MAP OF INVESTIGATED AREA



GEOLOGICAL CROSS-SECTION ALONG THE LINE A—B

FIG.1-GEOLOGICAL MAP OF SATPARA QUADRANGLE (43-M/12), SKARDU DISTRICT, NORTHERN AREAS, PAKISTAN