

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
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A. METALLIC MINERALS

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Arsenic Chapursan Nala, Gilgit District	As	.....	Mining on limited scale carried out in the past
1.	Copper Yasin, Ghiziar District	Cu	.....	Small and insignificant
2.	Gulapur, Gilgit District	Cu	.....	Small and insignificant
3.	Bargu Fari, Gilgit District	Cu	.....	Small and insignificant
4.	Nomal, Gilgit District	Cu	.....	Small occurrence in sulphide zone
5.	Gareah, Gilgit District	Cu	.....	Small occurrence in sulphide zone
6.	Dainyor Gah, Gilgit District	Cu	.....	Small occurrence in sulphide zone
7.	Bagrot Gah, Gilgit District	Cu	.....	Small occurrence in sulphide zone
8.	Astor, Diamir District	Cu	.....	Small and insignificant
9.	Shigri Bala, Skardu District	Cu	.....	Small occurrence in sulphide zone
10.	Satpara, Skardu District	Cu	.....	Small occurrence in sulphide zone
11.	Shigar, Skardu District	Cu	.....	Small occurrence in sulphide zone

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Gold Yasin, Ghiziar District	Au	.....	100-1000 ppb in placers
2.	Ishkuman, Ghiziar District	Au	.....	100-1000 ppb in placers
3.	Chatorkhand, Ghiziar District	Au	.....	100-1000 ppb in placers
4.	Singal, Ghiziar District	Au	.....	1000 ppb in placers
5.	Henzal, Gilgit District	Au	.....	Traces in quartz veins
6.	Feras, Gilgit District	Au	.....	100-1000 ppb in placers
7.	Shimshal, Gilgit District	Au	.....	Data not available
8.	Gareah, Gilgit District	Au	.....	0.02 to 1 ppm in sulphide zone
9.	Nomal, Gilgit District	Au	.....	Up to 1 ppm in sulphide zone
10.	Chilas, Diamir District	Au	.....	0.0004 to 0.0041 oz/ton in placers
11.	Mamu Gah, Gilgit District	Au	.....	100-1000 ppb in placers
12.	Bagrot Gah, Gilgit District	Au	.....	100-1000 ppb in placers
13.	Bunji, Diamir District	Au	.....	Up to 0.002 oz/ton in placers
14.	Shigar, Skardu District	Au	.....	0.01 to 0.3 ppm in sulphide zone
15.	Shigri Bala, Skardu District	Au	.....	0.01 to 0.3 ppm in sulphide zone
16.	Machulu, Ganche District	Au	.....	Under investigation. Occurs Sulphide zone
17.	Ghorax, Ganche District	Au	.....	Under investigation. Occurs Sulphide zone
18.	Randah, Ganche District	Au	.....	Under investigation by GIR Sulphide zone occurs in

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Iron Dainyor Gah, Gilgit District	Fe	.....	Small and insignificant
2.	Deosai, Skardu District	Fe	.....	Small and insignificant

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Lead Thelchi, Diamir District	Pb	.....	Occurs in hydrothermal veins.
2.	Satpara, Skardu District	Pb	.....	Under investigation by GSP

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Silver Sat Para, Skardu District	Ag	.....	Under investigation by GSP

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Zinc Satpara, Skardu District	Zn	.....	Under investigation by GSP

B. NON-METALLIC / INDUSTRIAL MINERALS & ROCKS

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Alum Gareah, Gilgit District	Alm	.....	Small and insignificant

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Barite Markhun, Gilgit District	Ba	.....	Small and insignificant

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	China Clay Murtazaabad, Gilgit District	Ccl	.....	Small scale mining for local use

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Dolomite Khaiber, Gilgit District	Dol	.....	Large deposit

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Feldspar Indus-Gilgit Rivers Confluence, Gilgit District	Fld	.....	Occurs in pegmatites
2.	Shengus, Skardu District	Fld	.....	Occurs in pegmatites

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Marble/Semi Crystalline limestone Barkuti, Ghiziar District	Mrb	1.2	Small deposit
2.	Ghizar - Yasin River Junction	Mrb	1.5	White to light grey
3.	Roshan, Ghiziar District	Mrb	2.2	Small deposit
4.	Ishkuman, Ghiziar District	Mrb	7.5	Impure marble
5.	Hastis, Ghiziar District	Mrb	7.5	Large deposit
6.	Henzal, Gilgit District	Mrb	.....	Small deposit
7.	Shinghar Gah, Gilgit District	Mrb	.....	Small deposit
8.	Bili, Gilgit District	Mrb	3.25	Large deposit
9.	Muhammad Abad, Gilgit District	Mrb	0.22	Ruby bearing white to light grey
10.	Kharm Bat, Gilgit District	Mrb	1.12	Ruby bearing white to light grey
11.	Thelchi, Gilgit District	Mrb	.....	Medium size
12.	Sassi, Skardu District	Mrb	.....	Medium size
13.	Tissar-Tormic Nala, Skardu District	Mrb	6500	Large deposit
14.	Tungas, Skardu District	Mrb	600	Saeharoidal, friable
15.	Shigar, Skardu District	Mrb	.....	Grey and white colour
16.	Satpara Nala, Skardu District	Mrb	.....	Small deposit
17.	Tochang Lungma, Skardu District	Mrb	.....	Scattered, small deposit

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Mica Karimabad, Gilgit District	Mic	.....	Small deposit
2.	Neosilo, Skardu District	Mic	.....	Small and insignificant
3.	Astor, Diamir District	Mic	.....	Small and insignificant

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Pyrite Yasin, Ghiziar District	Py	.....	Small and insignificant
2.	Jutal Gah, Gilgit District	Py	.....	Small and insignificant
3.	Satpara, Skardu District	Py	.....	Small and insignificant

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Quartzite Khanbari, Diamir District	Qtz	.....	Thin bed.
2.	Mustafa Abad, Skardu District	Qtz	.....	10 m. Thick bed.

C. PRECIOUS AND SEMI-PRECIOUS STONES

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Aquamarine Nagir, Gilgit District	Aqm	.....	Mining by locals
2.	Shengus, Skardu District	Aqm	.....	Mining abandoned
3.	Dassu, Skardu District	Aqm	.....	Mining by locals

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Emerald Khaltaro, Skardu District	Emd	.....	Small showing

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Ruby Gareah, Gilgit District	Rby	.....	Mining abandoned
2.	Ali Abad, Gilgit District	Rby	.....	Mining by locals

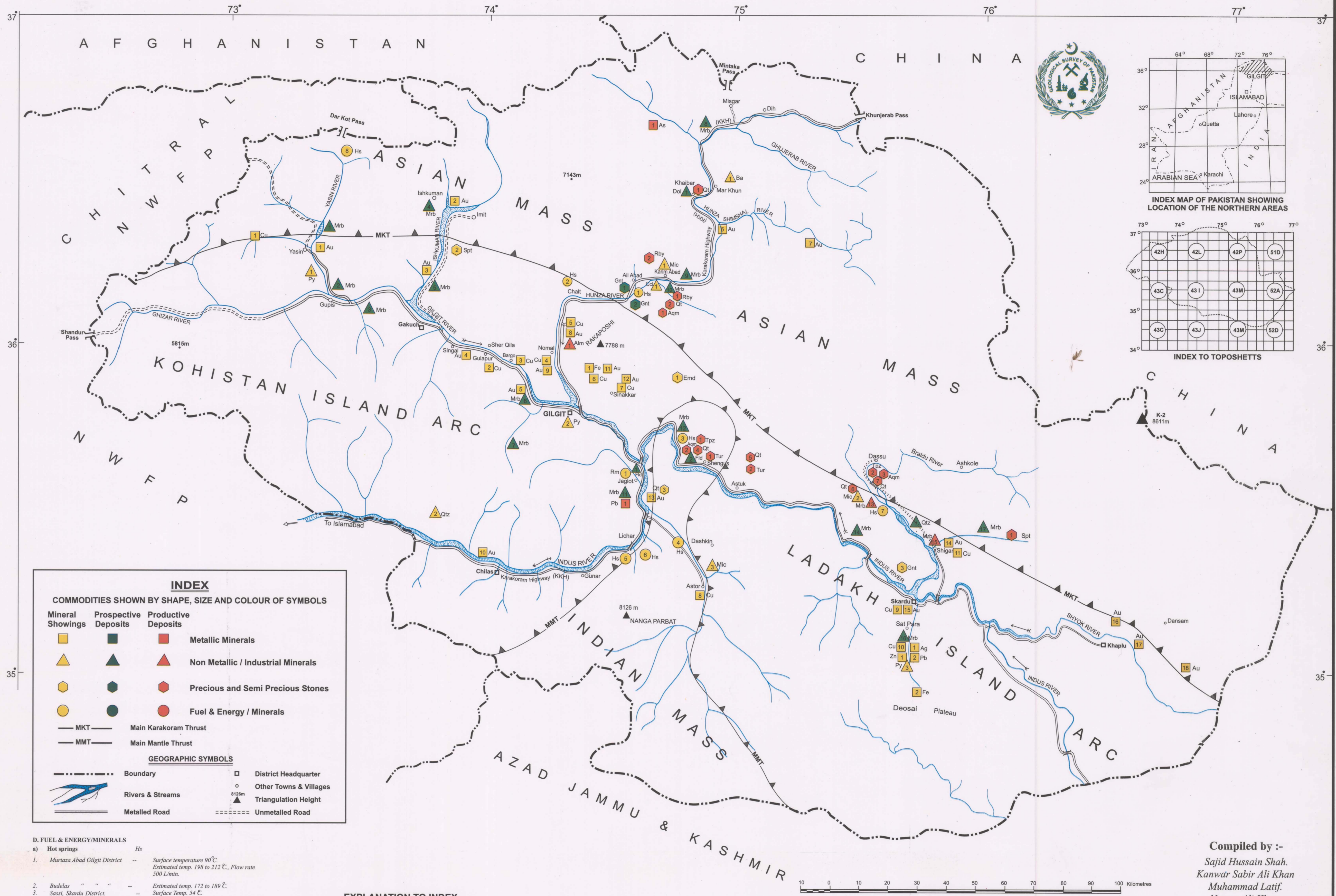
Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Topaz Shegus, Skardu District	Tpz	.....	Mining abandoned
2.	Dassu, Skardu District	Tpz	.....	Mining by locals

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Quartz Khaibar, Gilgit District	Qt	.....	Occurs as veins
2.	Nagir, Gilgit District	Qt	.....	Occurs as veins
3.	Bunji, Diamir District	Qt	.....	Occurs as veins
4.	Shengus, Skardu District	Qt	.....	Occurs in Pegmatites
5.	Astak, Skardu District	Qt	.....	Occurs in Pegmatites
6.	Neosilo, Skardu District	Qt	.....	Occurs in Pegmatites
7.	Dassu, Skardu District	Qt	.....	Occurs in Pegmatites

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Tourmaline Shengus, Skardu District	Tur	.....	Green variety, mining abandoned
2.	Astak Nala, Skardu District	Tur	.....	Mining by locals
3.	Dassu, Skardu District	Tur	.....	Short and green variety
4.	Dassu, Skardu District	Tur	.....	Mining by locals

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Garnet Hini, Gilgit District	Gnt	.....	Crystals mostly small and fractured
2.	Pisan, Gilgit District	Gnt	.....	Crystals mostly small and fractured
3.	Kuardo, Skardu District	Gnt	.....	Crystals mostly small and fractured

Map Ref.	Location of Deposits	Symbol	Reserve (million tonnes) per 30 m depth / length	Remarks
1.	Serpentine Shigar, Lungma, Skardu District	Spt	Small deposit in remote areas.
2.	Chatorkhand, Ghiziar District	Spt	Small deposit



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COMMODITIES SHOWN BY SHAPE, SIZE AND COLOUR OF SYMBOLS

Mineral Showings	Prospective Deposits	Productive Deposits	Category
Yellow square	Green square	Red square	Metallic Minerals
Yellow triangle	Green triangle	Red triangle	Non Metallic / Industrial Minerals
Yellow hexagon	Green hexagon	Red hexagon	Precious and Semi Precious Stones
Yellow circle	Green circle	Red circle	Fuel & Energy / Minerals

— MKT — Main Karakoram Thrust
— MMT — Main Mantle Thrust

GEOGRAPHIC SYMBOLS

--- Boundary	□ District Headquarter
~ Rivers & Streams	○ Other Towns & Villages
== Metalled Road	▲ Triangulation Height
--- Unmetalled Road	○ 8126m

D. FUEL & ENERGY/MINERALS

a) Hot springs

1. Murtaza Abad Gilgit District	Hs	Surface temperature 90°C Estimated temp. 198 to 212°C., Flow rate 500 L/min.
2. Budelas " " "	Hs	Estimated temp. 172 to 189°C.
3. Sassi, Skardu District.	Hs	Surface Temp. 54°C.
4. Mushkin, Diamir District.	Hs	Surface Temp. 57°C. Flow rate 1 L/min.
5. Tuta Pani " " "	Hs	Surface Temp. Rang from 65 to 80°C, flow rate 900 L/min.
6. Tato " " "	Hs	Not investigated
7. Chu Tran, Skardu District	Hs	Surface Temp. 43.9°C., flow rate 200 L/hr.
8. Darkot, Ghiziar District.	Hs	Not investigated

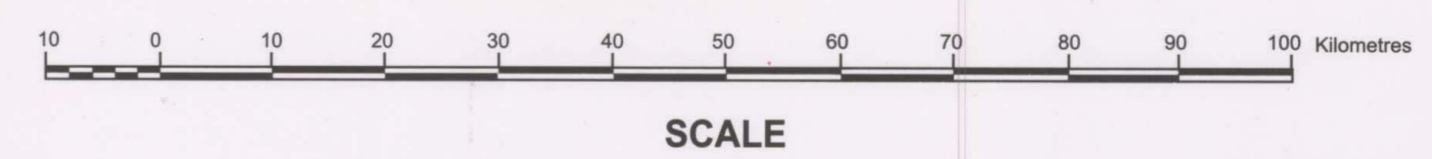
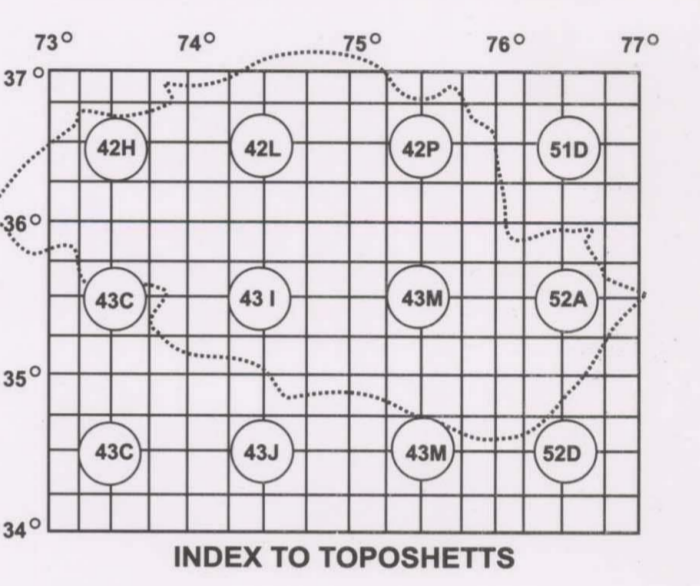
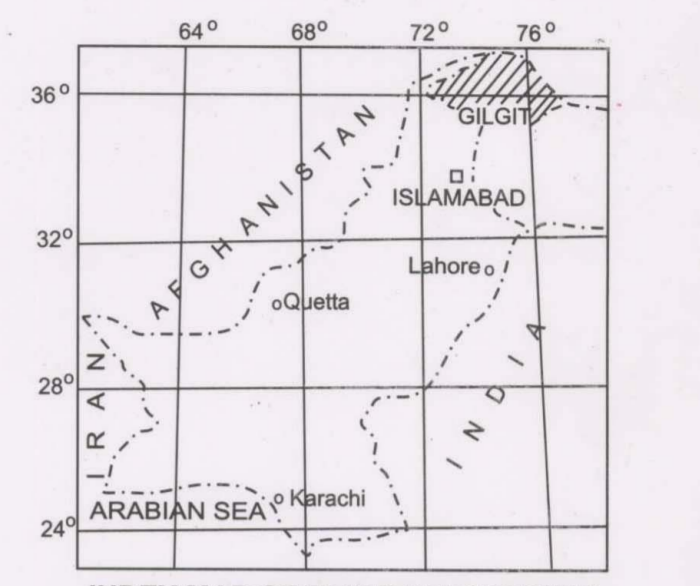
b) Radioactive minerals

1. Jaglot, Gilgit District	Rm	Showings in Pegmatite.
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EXPLANATION TO INDEX

Mineral Showings are either very small and geologically insignificant occurrences or those reported deposits which have been studied but subsequently proved to be uneconomical. **Prospective deposits** are such mineral occurrences which appear geologically significant and as such warrant further exploration. **Productive Deposits** include small medium or large sized mineral deposits which have been leased out and are presently in commercial production.

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MINERAL MAP OF THE NORTHERN AREAS, PAKISTAN 2006

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