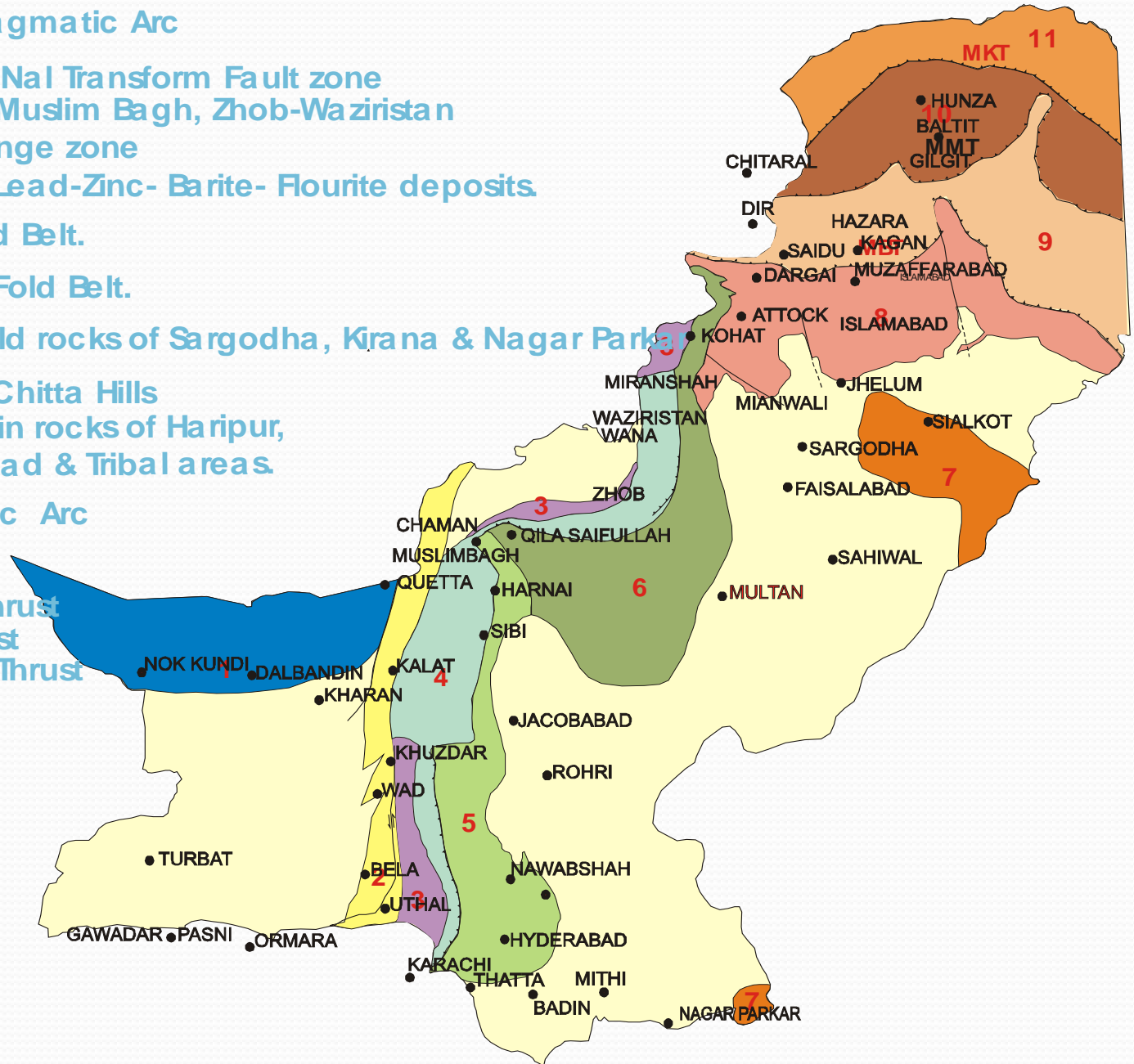


Metallic Minerals Sector

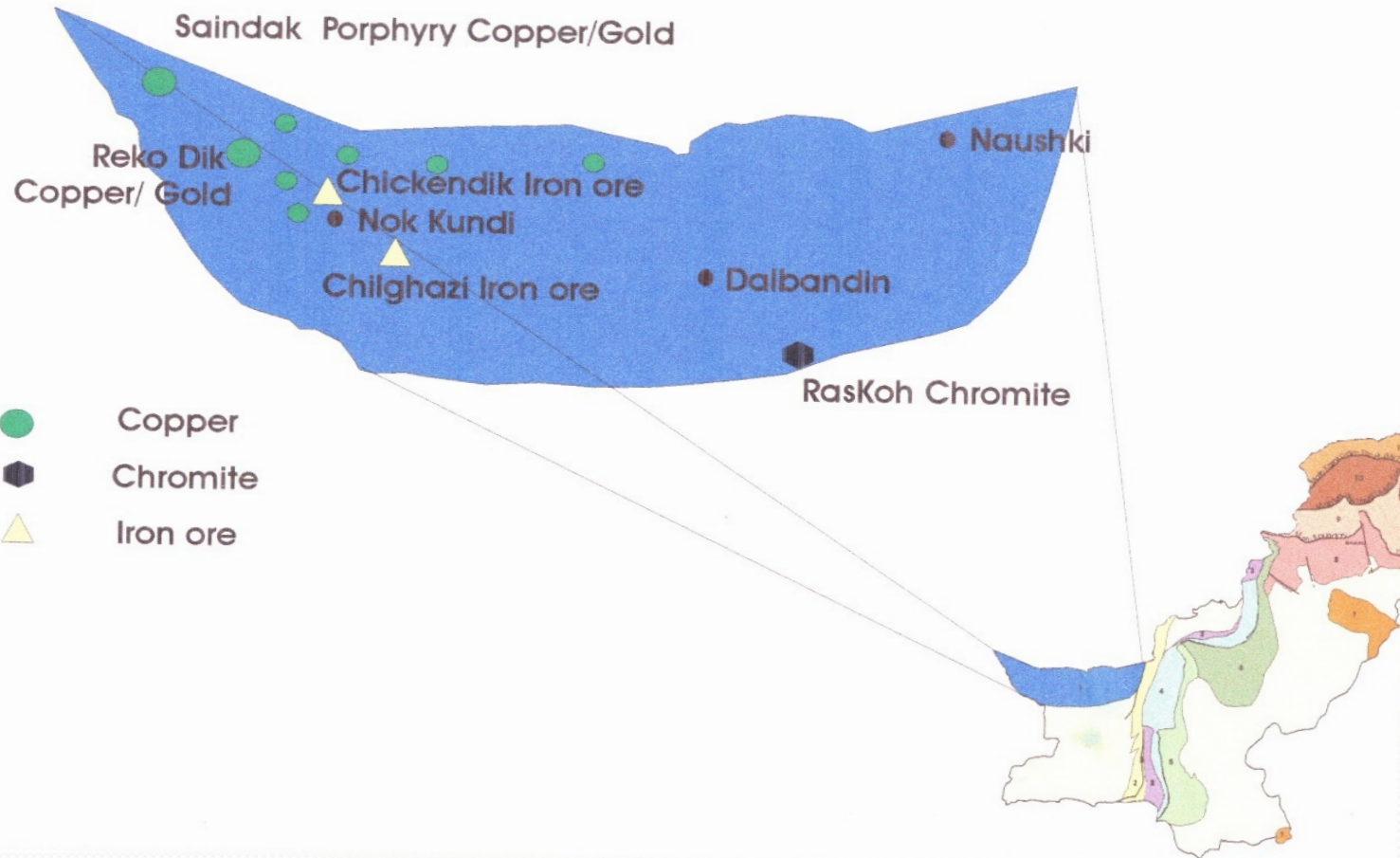
METALLOGENIC ZONES OF PAKISTAN

- 1** Chagai Raskoh Magmatic Arc
- 2** Chaman- Ornach-Nal Transform Fault zone
Lasbela- Khuzdar, Muslim Bagh, Zhob-Waziristan
- 3** Ophiolites & Melange zone
- 4** Sediment hosted Lead-Zinc- Barite- Flourite deposits
- 5** Kirthar Thrust & Fold Belt.
- 6** Sulaiman Thrust & Fold Belt.
- 7** Indo Pakistan Shield rocks of Sargodha, Kirana & Nagar Parkar
- 8** Salt range & Kala-Chitta Hills
- 9** Gondwanic domain rocks of Haripur, Sherwan, Abbotabad & Tribal areas.
- 10** Kohistan Magmatic Arc
- 11** Karakoram Block

MBT Main Boundary Thrust
MMT Main Mantle Thrust
MKT Main Karakoram Thrust



Chagai- Raskoh Magmatic Arc



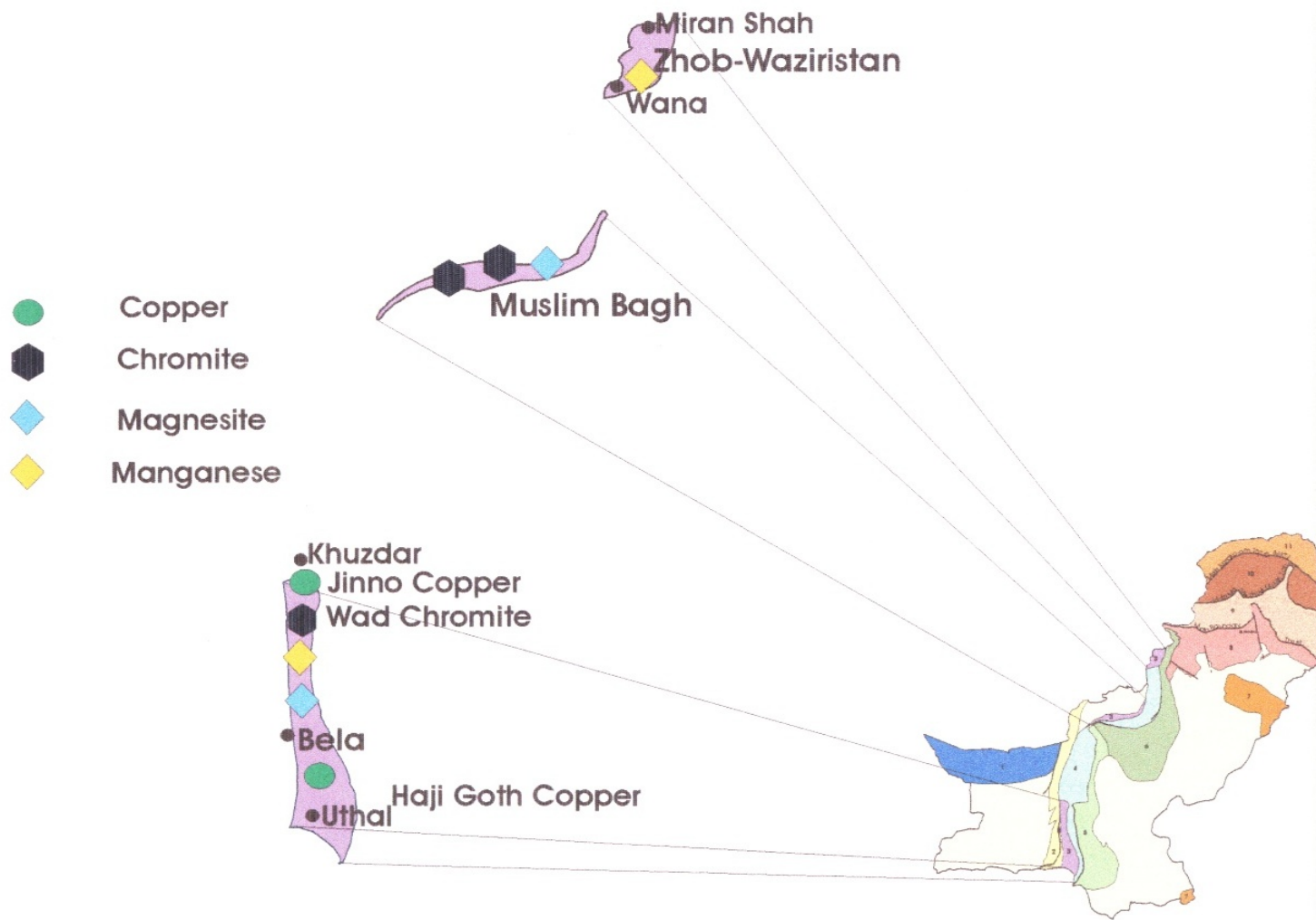
CHAGAI - RASKOH MAGMATIC ARC

- ❖ Most important metallogenic belt, extending from Yugoslavia - Turkey – Iran to Pakistan. It contains world class deposits of Copper, Gold, Silver. Saindak & Reko Deq porphyry copper gold deposits are part of this belt.
- ❖ Occurrence of gold has also been reported from the area.
- ❖ Iron ore and exploitable deposits of Sulphur are also identified in the same belt.

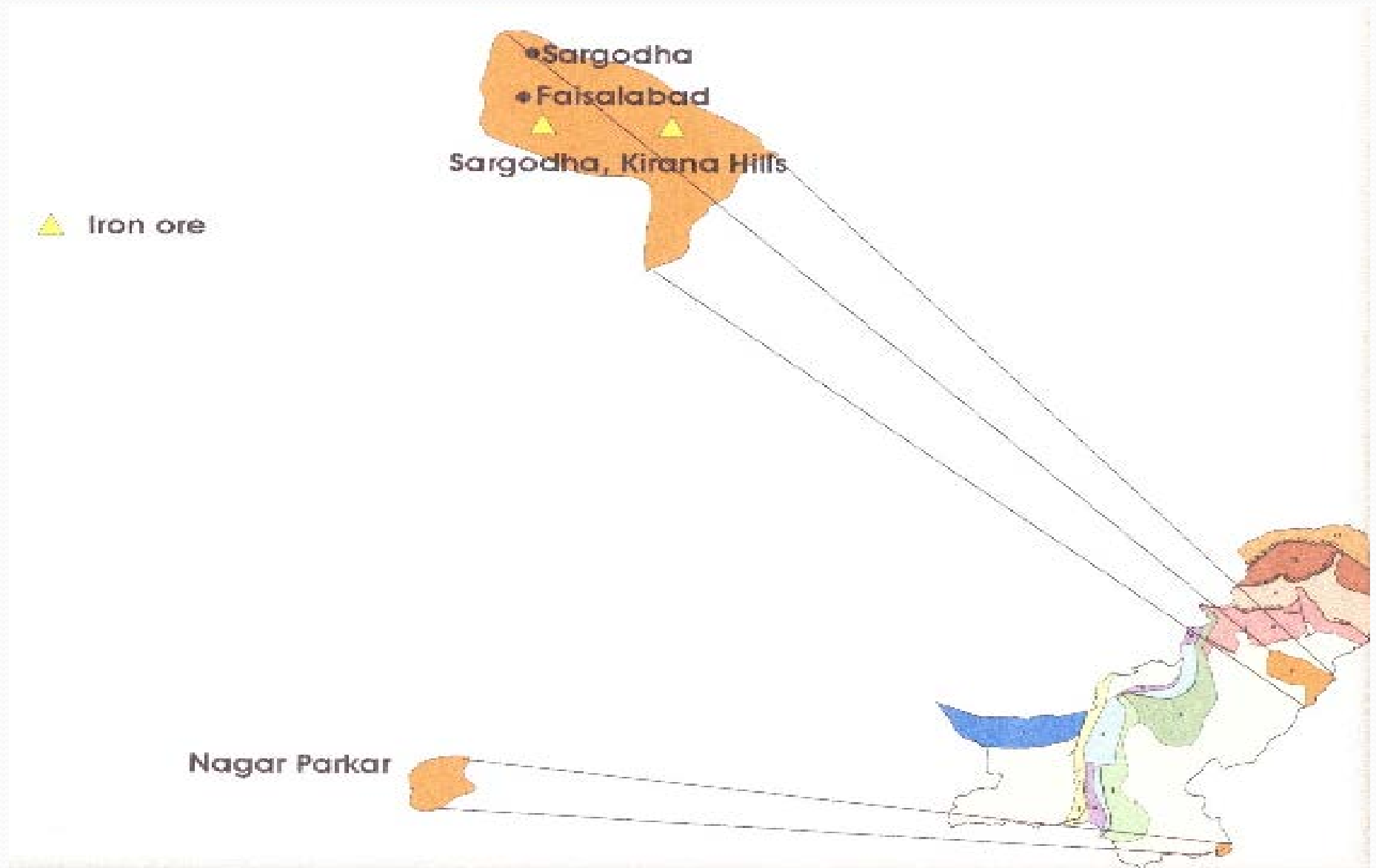
SEDIMENTS HOSTED LEAD-ZINC DEPOSITS

- This zone extends from Uthal to Zhob.
- Contains Zinc, Lead, Iron, Barite and Fluorite.
- Zinc-Lead deposits of Gunga & Duddar are part of this zone and there are good prospects of finding more deposits.
- Large deposits of Dilband iron ore (200 million tonnes) are in mining stage.

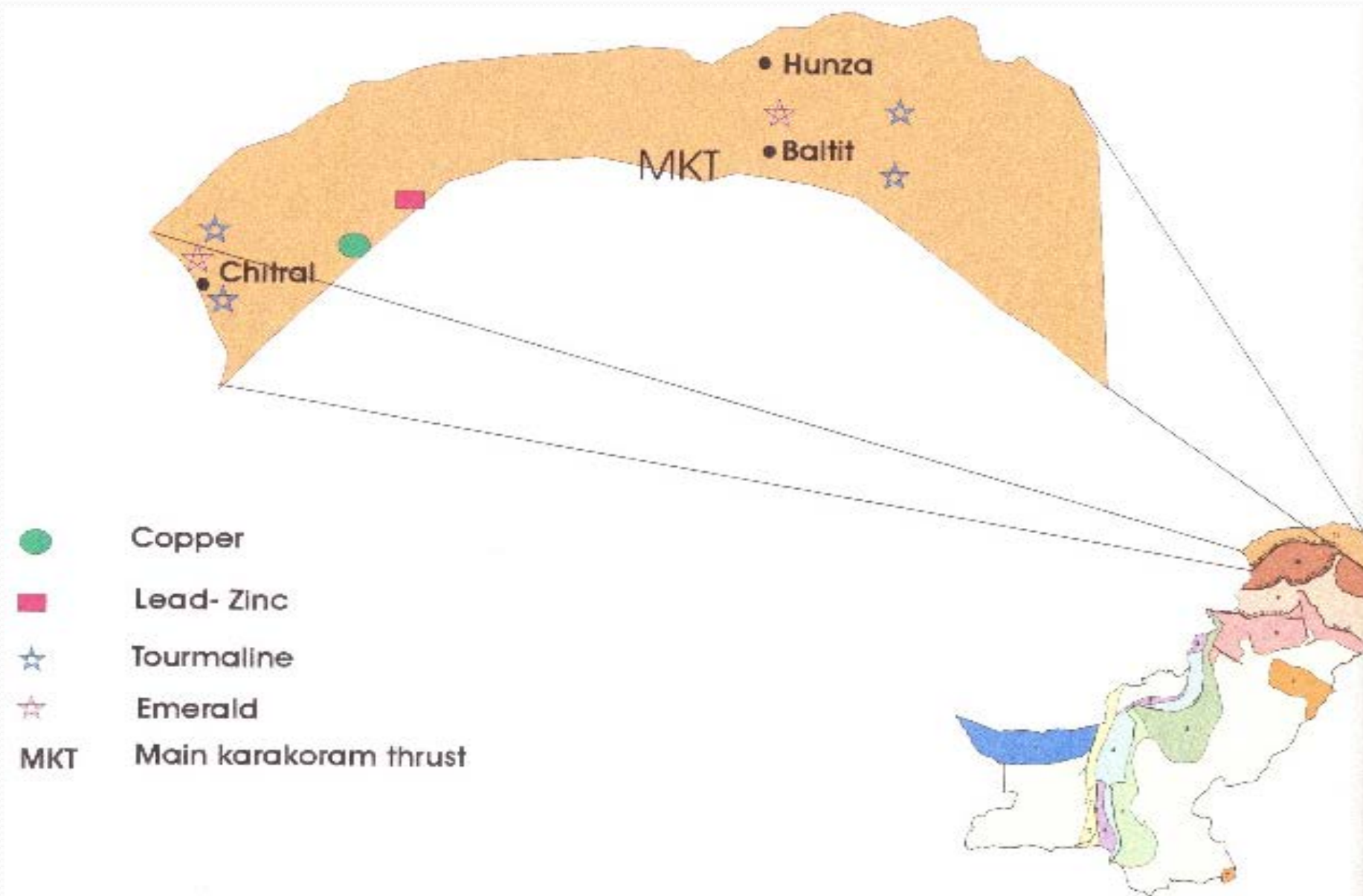
Lasbela- Khuzdar, Muslim Bagh, Zhub-Waziristan Ophiolites & Melange zone



Indo Pakistan Shield Rocks of Sargodha, Kirana & Nagar Parkar

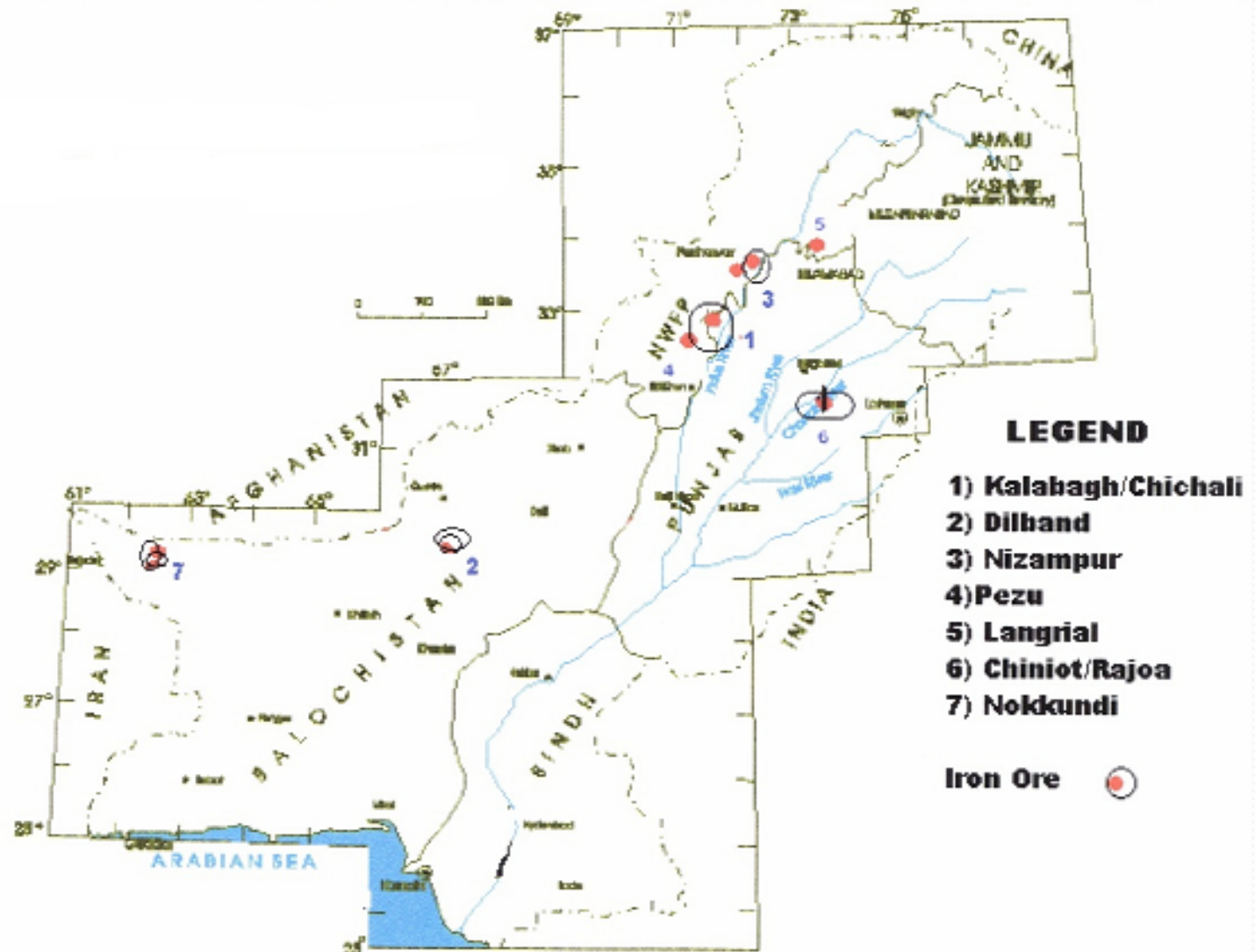


Karakoram Block



Iron-Ore Deposits of Pakistan

Name of Deposit	Resource (MT)
1. Kalabagh	250
2. Dilband	200
3. Nizampur	168
4. Pezu	13
5. Langrial	20
6. Chiniot/Rajoa	110
7. Nokkundi	45



Resource Potential of Major Metallic Minerals

Mineral	Reserves (million tons)	Grade
Bauxite	1.000	Medium to High
Chromite	2.527	Low to Medium
Copper	6,300.000	Low to High
Gold	1,656.00 Tons	Low
Iron Ore	1,427.200	Low to High
Lead-Zinc	23.720	Low to Medium
Manganese	0.597	Low to Medium