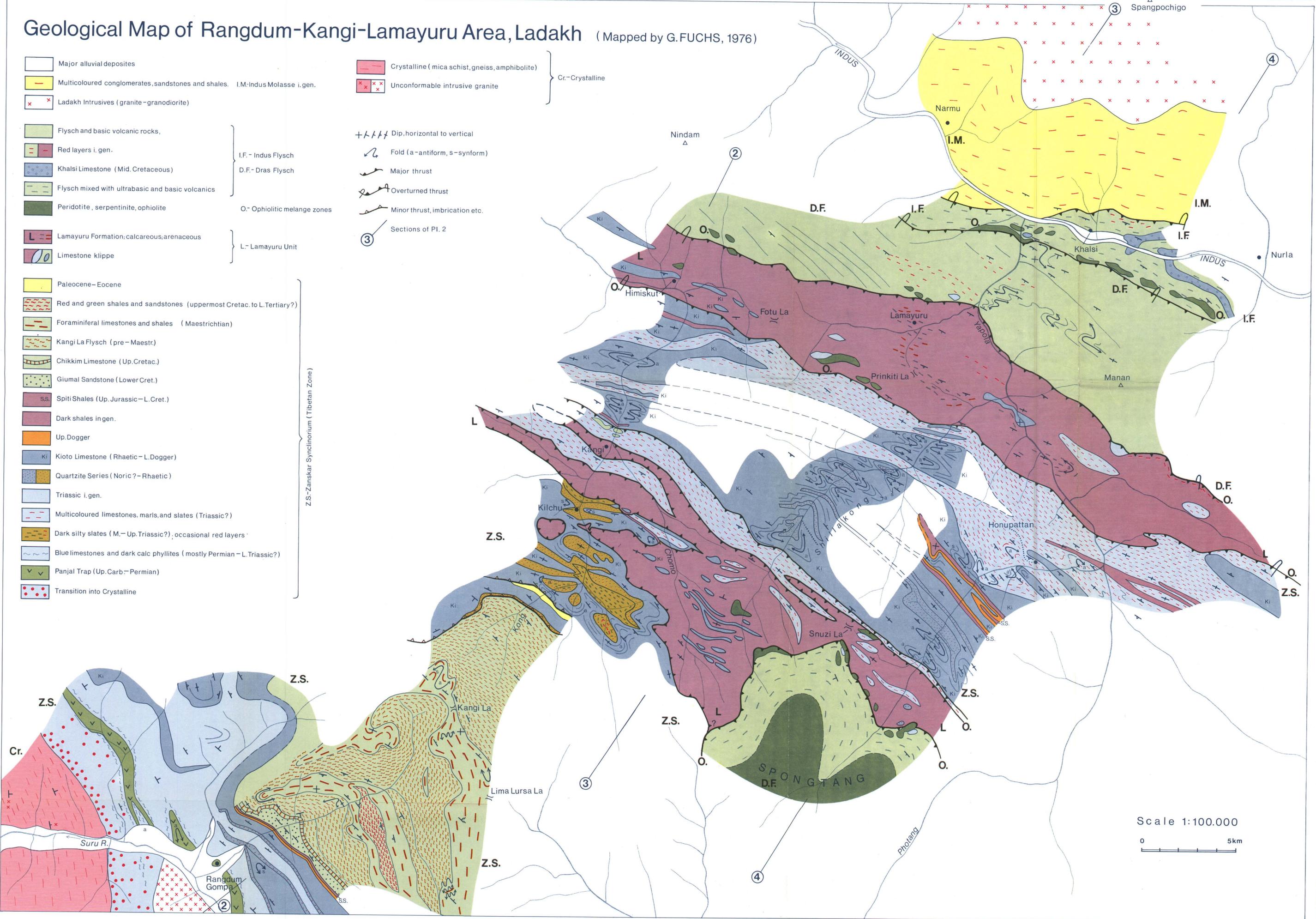


Geological Map of Rangdum-Kangi-Lamayuru Area, Ladakh (Mapped by G. FUCHS, 1976)

- Major alluvial deposits
- Multicoloured conglomerates, sandstones and shales. I.M.-Indus Molasse i.gen.
- x x Ladakh Intrusives (granite-granodiorite)
- Flysch and basic volcanic rocks,
- Red layers i. gen.
- Khalsi Limestone (Mid. Cretaceous)
- Flysch mixed with ultrabasic and basic volcanics
- Peridotite, serpentinite, ophiolite
- Lamayuru Formation; calcareous; arenaceous
- Limestone klippe
- Paleocene-Eocene
- Red and green shales and sandstones (uppermost Cretac. to L. Tertiary?)
- Foraminiferal limestones and shales (Maestrichtian)
- Kangi La Flysch (pre-Maestr.)
- Chikkim Limestone (Up. Cretac.)
- Giupal Sandstone (Lower Cret.)
- Spiti Shales (Up. Jurassic-L. Cret.)
- Dark shales in gen.
- Up. Dogger
- Kioto Limestone (Rhaetic-L. Dogger)
- Quartzite Series (Noric?-Rhaetic)
- Triassic i. gen.
- Multicoloured limestones, marls, and slates (Triassic?)
- Dark silty slates (M.-Up. Triassic?), occasional red layers
- Blue limestones and dark calc. phyllites (mostly Permian-L. Triassic?)
- Panjal Trap (Up. Carb.-Permian)
- Transition into Crystalline

- Crystalline (mica schist, gneiss, amphibolite)
- x x x Unconformable intrusive granite
- Cr.-Crystalline
- + / / / Dip. horizontal to vertical
- Fold (a-antiform, s-synform)
- Major thrust
- Overturned thrust
- Minor thrust, imbrication etc.
- ③ Sections of Pl. 2

Z.S.-Zanskari Synclinorium (Tibetan Zone)

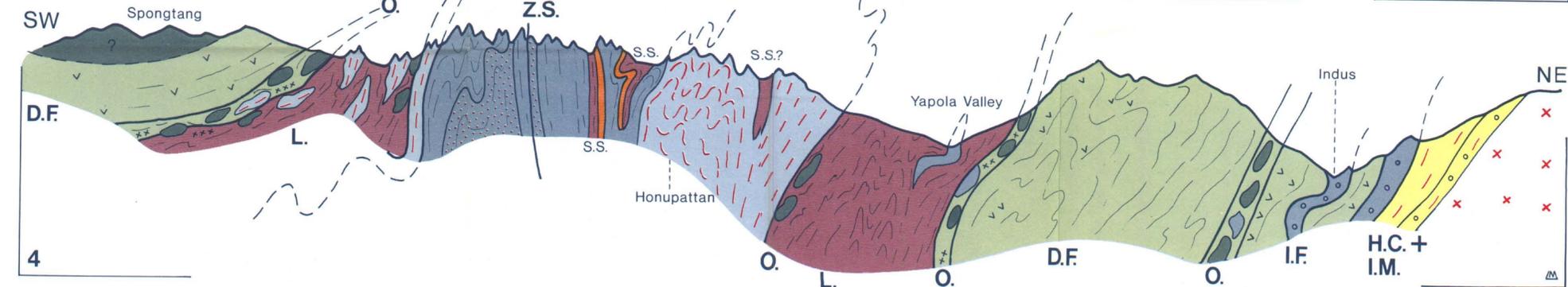
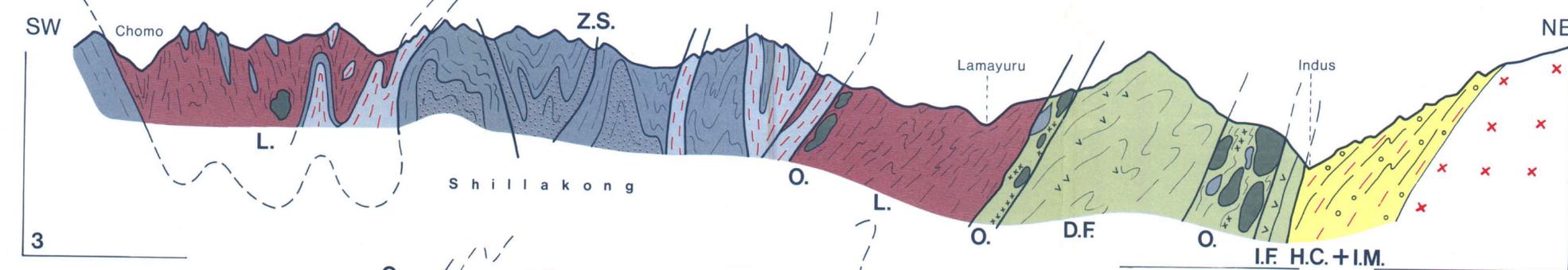
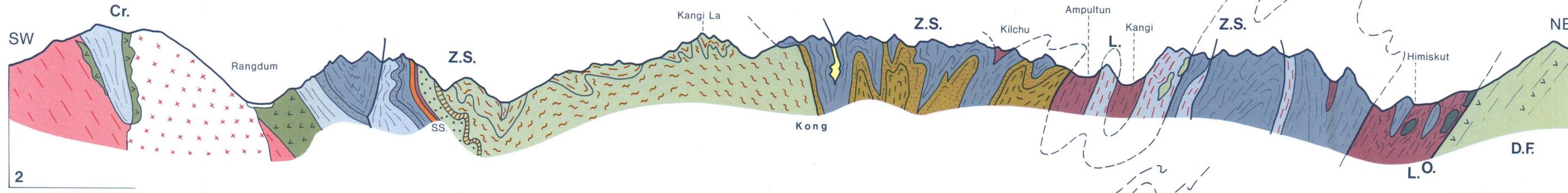
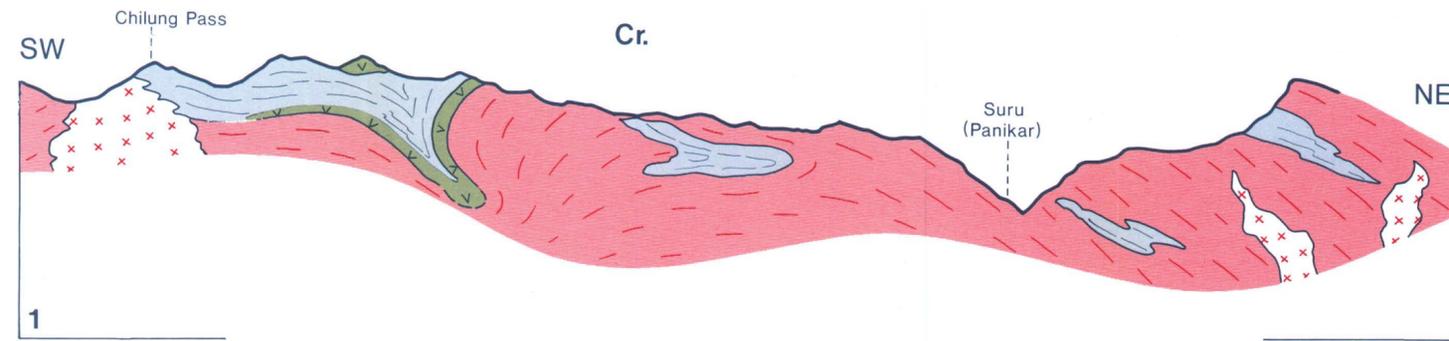


Scale 1:100,000
0 5km

Sections through the Zanskar Mountains G. FUCHS, 1976

Jahrbuch der Geologischen Bundesanstalt, 122. Band, 1979 – Beilage 13
G. FUCHS Plate 2

Scale 1:100 000
(also vertical)
0 1 2 3 4 5 km

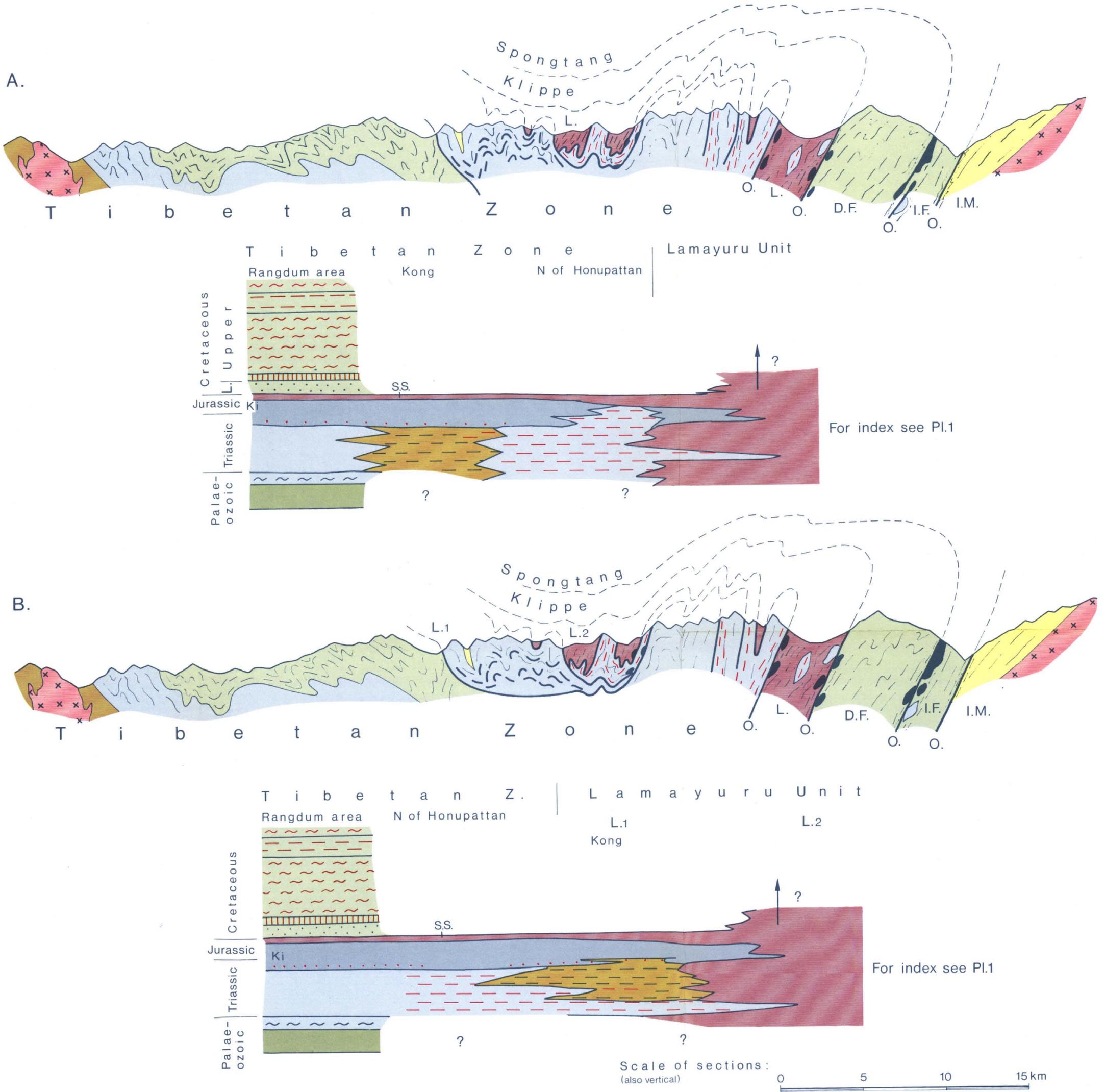


Z.S. = Zanskar Synclinorium (Tibetan Zone)

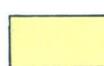
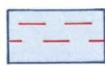
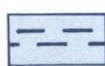
- | | |
|--|---|
| Marls and limestones (Paleocene – Eocene) | Dogger |
| Red and green shales and sandstones (Uppermost Cretac. – L. Tertiary?) | Kioto Limestone (Rhaetic – Dogger) |
| Foraminiferal limestones (Maestrichtian) | Quartzite Series (Noric? – Rhaetic) |
| Kangi La Flysch (pre-Maestrichtian) | Dark silty slates (Mi. – Up. Triassic) |
| Chikkim Limestone (Up. Cretaceous) | Multicoloured limestones and slates (Triassic?) |
| Giurnal Sandstone (Lower Cretaceous) | Permian to Up. Triassic |
| Spiti Shales (S.S.) | Panjal Trap (Permo – Carboniferous) |

- | | |
|---|---|
| Gneisses i.gen. | Cr. = Crystalline |
| Metagranites – granite – gneisses | |
| Ultrabasics (serpentinites) | O. = Ophiolitic melange zones |
| Radiolarites | |
| Lamayuru Fn. (Triassic – Jurassic); limestone klippe | L. = Lamayuru Unit |
| Flysch; volcanics | D.F. = Dras Flysch
I.F. = Indus |
| Khalsi Limestone (Mid. – Up. Cretaceous) | |
| Multicoloured conglomerates, sandstones, shales, etc. | H.C. = Hemis Conglomerate
I.M. = Indus Molasse |
| Ladakh Granite | |

Two tectonic interpretations and their consequences on the facies distribution



Index for the sections:

- | | | |
|--|---|---|
|  Tertiary (I.M.= Indus Molasse) |  Multicoloured facies of the Triassic |  Palaeozoic |
|  Cretaceous-Early Tertiary (D.F.= Dras Flysch, I.F.= Indus Flysch) |  Dark argillite facies of the Triassic |  Granites |
|  Triassic-Jurassic |  Lamayuru Unit (L.) |  Ophiolitic melange with ultrabasites (O.) |

For the index of the facies diagrams see Pl.1