GENERALIZED GEOLOGICAL MAP OF THE ANVIL LEAD-ZINC DISTRICT CENTRAL YUKON TERRITORY

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Legend

Tertiary — Paleocene?

- Tsv — basalt, quartz feldspar porphyry, sandstone, conglomerate, shale
- Ts — conglomerate, sandstone
- Tv — rhyolite plug

Cretaceous

- Kl — Anvil Dyke Suite: diorite, quartz diorite, quartz feldspar porphyry
- Kgr — Anvil Plutonic Suite: granodiorite, quartz monzonite

Triassic (and younger?)

- Tr — polymict conglomerate, micaceous quartz sandstone, greywacke, black shale, limestone (Tr? may be younger and uncomforably overlie Tr)

Permian and older

- uYTT — undifferentiated rocks of Yukon Tanana Terrane: micaceous quartzite, gritty micaceous quartzite, black phyllite, marble, metabasite, felsic metavolcanics, phyllitic chert

Pennsylvanian and Permian (and older?)

- PPc — calcitic and dolomitic marble, limestone

age unknown: upper Paleozoic? (associated with PPa)

- mi — mafic intrusive rocks: gabbro, diabase
- um — ultramafic rocks: serpentinite, harzburgite, rodingite, quartz carbonate fuchite altered ultramafics

Pennsylvanian and lower Permian?

- PPav — Anvil Range Group: basalt
- PPat — Anvil Range Group: red and green chert, tuffaceous chert

Devonian and Mississippian

- Mk — Kaslas Formation: limestone
- uDM — Earn Group: chert, siltstone, shale, chert pebble conglomerate, barite (uDM+: probably includes older rocks and some younger)

Ordovician to Devonian?

- S q — quartzite (age unknown, could belong to uDM locally)
- SD a — laminated dolomitic quartz siltstone, dolomite, quartzite, dark grey shale (resembles basal Askin Group and lower Earn Group)
- SD s — black phyllite with middle Devonian limestone lenses (may belong entirely in lower Earn Group)
- OSrr — black and grey slate, quartzite, minor dolomite (may equate partly to Road River and older rocks - probably partly equivalent to SDs and SDa

lower Ordovician (and younger?)

- Omc — Menzie Creek ~~Volcanic Unit~~ formation: basalt, black phyllite

Cambrian to lower Ordovician (?)

- €Ov — Vangorda Formation: calcareous phyllite, metabasite, calc-silicate (€Ov+ includes H€mm locally or Omc locally)

lower Cambrian and Hadrynian (?)

- H€mm — Mt Mye Formation: noncalcareous phyllite and schist

Symbols

- contact
- sulphide deposit
- strike slip fault
- normal fault, ball on downthrown side
- moderately or shallowly dipping fault of unknown sense of displacement
- thrust fault
- form line of S_2 foliation or in uYTT form line of flaser fabric; (former dip mostly less than 45°, latter mostly more than 45°)
- bedding strike and dip direction (mostly 45° or less)
- axis of antiform
- e — eclogite locality

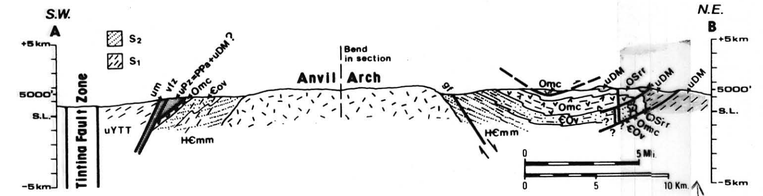
Faults

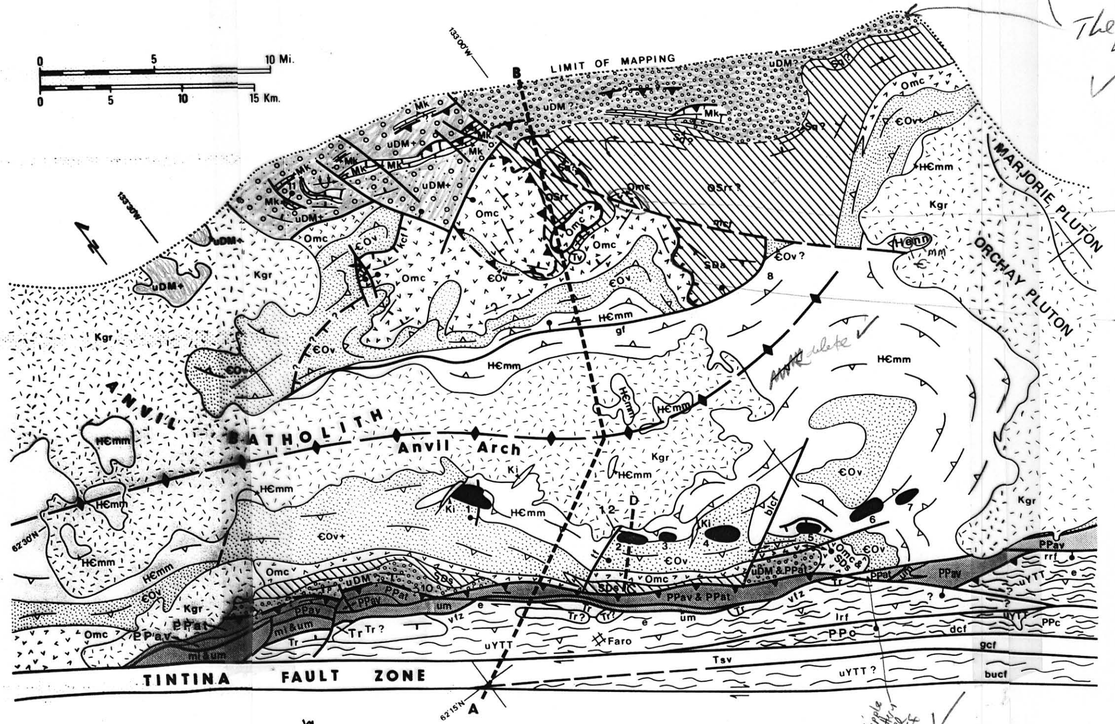
- vfz : Vangorda Fault zone
- tf : Tie Fault
- blcf : Blind Creek Fault
- mcf : Mye Creek Fault
- gf : Graphite Fault
- kcf : Klunk Creek Fault
- lrf : Lapie River Fault
- bucf : Buttle Creek Fault
- gcf : Grew Creek Fault
- dcf : Danger Creek Fault
- rrf : Ross River Fault

(lrf, bucf, gcf, dcf, rrf: Strands of Tintina Fault)

Mineral Occurrences & Sulphide Deposits

1. Faro — Zn, Pb, Ag, Au, Cu; stratiform
2. Grum — " "
3. Vangorda — " "
4. Dy — " "
5. Swim — " "
6. SB — Cu, Zn, Fe; stratiform
7. Sea — Cu, Zn, Fe; stratiform?
8. Ace — Cu, Zn, Fe; stratiform
9. KD — Zn, Cu; volcanogenic stringer?
10. Urn — barite, stratiform
11. Dana — Zn, Pb, Cu, Ag; replacement?
12. FIRTH — ZnPb, modified stratiform





inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

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