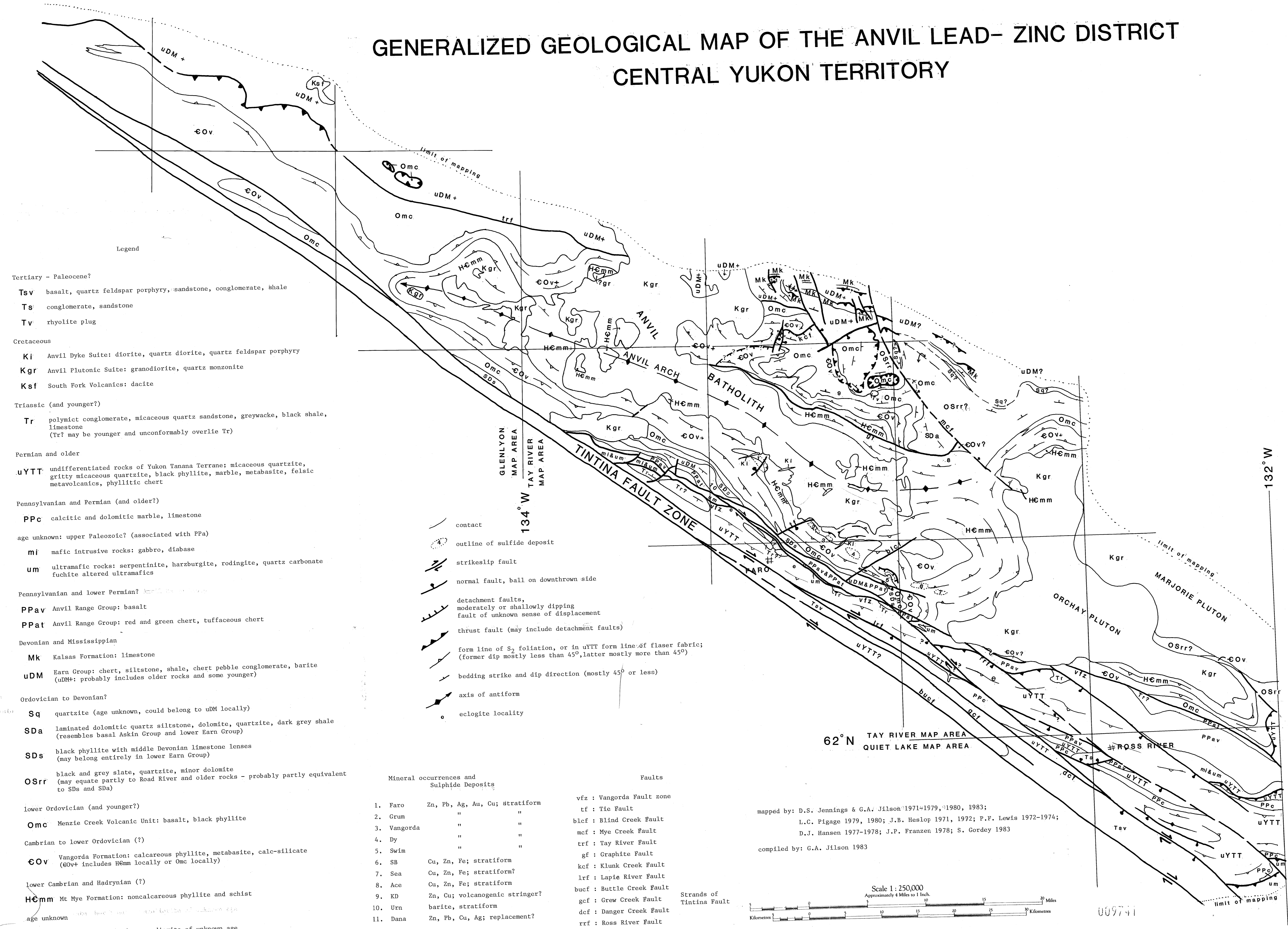


GENERALIZED GEOLOGICAL MAP OF THE ANVIL LEAD- ZINC DISTRICT CENTRAL YUKON TERRITORY



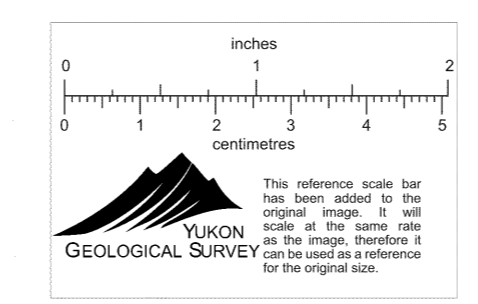
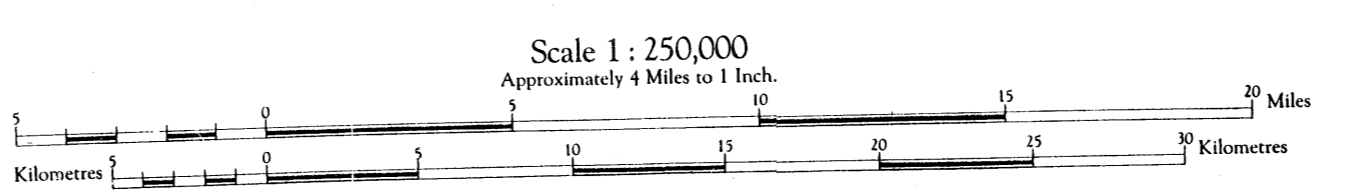
- Legend**
- Tertiary - Paleocene?**
- Tsv** basalt, quartz feldspar porphyry, sandstone, conglomerate, shale
 - Ts** conglomerate, sandstone
 - Tv** rhyolite plug
- Cretaceous**
- Ki** Anvil Dyke Suite: diorite, quartz diorite, quartz feldspar porphyry
 - Kgr** Anvil Plutonic Suite: granodiorite, quartz monzonite
 - Ksf** South Fork Volcanics: dacite
- Triassic (and younger?)**
- Tr** polymict conglomerate, micaceous quartz sandstone, greywacke, black shale, limestone (Tr? may be younger and unconformably overlies 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)**
- mj** 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** Kalsas Formation: limestone
 - UDM** Earn Group: chert, siltstone, shale, chert pebble conglomerate, barite (uDM+ probably includes older rocks and some younger)
- Ordovician to Devonian?**
- Sq** quartzite (age unknown, could belong to uDM locally)
 - SDa** laminated dolomitic quartz siltstone, dolomite, quartzite, dark grey shale (resembles basal Askin Group and lower Earn Group)
 - SDs** 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** Menzies Creek Volcanic Unit: basalt, black phyllite
- Cambrian to lower Ordovician (?)**
- EOV** Vangorda Formation: calcareous phyllite, metabasite, calc-silicate (EOV+ includes HEmm locally or Omc locally)
- lower Cambrian and Hadyryian (?)**
- HEmm** Mc Mye Formation: noncalcareous phyllite and schist
- age unknown**
- ?gr** foliated hornblende granodiorite of unknown age

- contact
- outline of sulfide deposit
- ↔ strikeslip fault
- normal fault, ball on downthrown side
- detachment faults, moderately or shallowly dipping
- fault of unknown sense of displacement
- thrust fault (may include detachment faults)
- form line of S₂ 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
- eclogite locality

Mineral occurrences and Sulphide Deposits		Faults
1. Faro	Zn, Pb, Ag, Au, Cu; stratiform	vzf : Vangorda Fault zone
2. Grum	" " "	cf : Tie Fault
3. Vangorda	" " "	blcf : Blind Creek Fault
4. Dy	" " "	mcf : Mye Creek Fault
5. Swim	" " "	trf : Tay River Fault
6. SB	Cu, Zn, Fe; stratiform	gf : Graphite Fault
7. Sea	Cu, Zn, Fe; stratiform?	kcf : Klunk Creek Fault
8. Ace	Cu, Zn, Fe; stratiform	lrf : Lapie River Fault
9. KD	Zn, Cu; volcanogenic stringer?	bucf : Buttie Creek Fault
10. Um	barite, stratiform	gcf : Grew Creek Fault
11. Dana	Zn, Pb, Cu, Ag; replacement?	dcf : Danger Creek Fault
		rff : Ross River Fault

mapped by: D.S. Jennings & G.A. Jilson 1971-1979, 1980, 1983;
L.C. Pigage 1979, 1980; J.B. Heslop 1971, 1972; P.F. Lewis 1972-1974;
D.J. Hansen 1977-1978; J.P. Franzen 1978; S. Gorday 1983

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