Énergie, Mines et Ressources Canada | Energy, Mines and Resources Canada

GEOLOGICAL SURVEY OF CANADA | COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE DES MINES ET DES RESSOURCES

Canada

105 K/1 | 1:50,000 | EDITION 1 | 105 K/1

LEGEND

TERTIARY

Tv3 — dark grey weathering, locally amygdaloidal, dark grey-green basalt necks and flows

MID-CRETACEOUS

Ksf — ***South Fork Volcanics:*** dark brown weathering, locally columnar jointed, massive, densely welded, feldspar-quartz-biotite-hornblende crystal tuff

Ks — ***Selwyn Plutonic Suite:*** grey weathering, resistant, medium- to coarse grained, locally megacrystic (K-spar), biotite ± hornblende ± muscovite granite, quartz monzonite and granodiorite; Ks2, plutons with hornblende; Ks3, porphyritic biotite ± hornblende granodiorite; Ks2, plutons with hornblende; Ks3, porphyritic biotite ± hornblende granite characterized by large smokey grey quartz phenocrysts and locally K-feldspar phenocrysts

PENNSYLVANIAN AND PERMIAN

CPa — ***Anvil Allochthonous Assemblage:*** CPav, resistant, dark weathering dark grey-green basalt, tuff, and breccia; CPat, thin bedded, grey-green, jasper-red and apple-green chert and siliceous tuff, and minor quartz-chert sandstone and shale

CARBONIFEROUS TO TRIASSIC

CTn — ***Nisutlin Allochthonous Assemblage:*** CTnm, grey weathering, muscovitic, quartz blastomylonite; recessive, muscovitic quartzite and quartz-muscovite-biotite ± glaucophane schist with local pods of eclogite; CTncg, resistant, massive, poorly sorted, conglomerate with pebble to cobble size clasts of basalt, chert, mylonite, and limestone

ORDOVICIAN AND SILURIAN

ROAD RIVER GROUP

OSr — undivided Duo Lake and Steel formations

Ss — ***Steel Formation:*** orange weathering, thin bedded, burrowed, dolomitic, grey-green mudstone, siltstone and chert; thin bedded black chert; rare black graptolitic shale

OSd — ***Duo Lake Formation:*** resistant, grey weathering, thin- to medium-bedded, light grey to black chert; recessive, gunsteel weathering, black graptolitic shale

CAMBRO-ORDOVICIAN

€Ot — resistant, dark grey weathering, massive to laminated, blocky, white to light grey quartzose siltstone and chert and rare black slate; strikingly laminated, very fine grained tuffaceous siltstone and chert; minor grey phyllitic limestone, calcareous phyllite, and greenstone

LOWER CAMBRIAN

€g — ***Gull Lake Formation:*** recessive, brown weathering, non-calcareous, dark grey to black slate and siltstone; metamorphosed equivalents near Orchay batholith include quartz-muscovite -biotite schist (±garnet, ±sillimanite, ±staurolite, ±andalusite) and minor marble

- Limit of outcrop
- Geological boundary (defined, approximate, assumed, extrapolated beneath overburden where exposure warrants)
- Bedding (horizontal, inclined, vertical, overturned, tops unknown)
- Foliation (inclined, vertical)
- Wrinkle lineation, axis of small scale fold (inclined, horizontal)
- Fault, steeply dipping (defined, approximate, assumed, extrapolated beneath overburden; barb on downthrown side)
- Fault, thrust (defined, approximate, assumed, extrapolated beneath overburden, overturned; teeth on upper plate)
- Fault, transcurrent (defined, approximate, assumed, extrapolated beneath overburden; arrows indicate slip)
- Anticline (defined, approximate, assumed, extrapolated beneath overburden)
- Syncline (defined, approximate, assumed, extrapolated beneath overburden)
- Anticline, syncline (overturned)
- Mineral occurrence (showing, work target)
- Fossil locality
- (ODsl) Outcrop not present, map unit inferred (italic map unit symbols)

NOTES

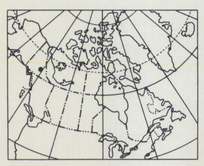
1) contacts are extrapolated, where exposure warrants, on basis of assumed simple structure
2) mineral occurrence numbers follow convention in Yukon Exploration 1987, Exploration and Geological Services Division, Dept. Indian and Northern Affairs, Yukon
3) only those formations or members occuring in map area are indicated in legend; for stratigraphic relationships, full legend, acknowledgements and sources of information see sheet 1
4) not all structural features indicated in legend may occur in map area

MINERAL OCCURRENCES

NO.	TYPE	NAME	DESCRIPTION
1	work target	**Tenas**	
2	Cu	**Rags**	vein
54	Cu	**Chaplin**	vein of massive pyrrhotite cross-cutting phyllite

work target: information not available or mineralization not yet found in outcrop; may cover geochemical or geophysical anomalies or areas of mineralized float

Geology by S.P. Gordey 1985, 1986, 1987

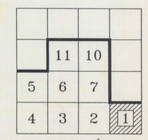

INDEX MAP

TENAS CREEK
YUKON TERRITORY

Scale 1:50,000 Echelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

OPEN FILE #	AREA
2249	105K/1,2,3
2250	105K/4,5,6
2251	105K/7,10,11



105K/01

OPEN FILE 2249

SHEET 2 OF 4