

LEGEND

TERTIARY

- Tv** undivided; Tv1, small stocks and necks of white weathering, flow-banded, rhyolitic, quartz-aminite porphyry; Tv2, laminated rhyolitic ash-flow tufts and flows; Tv3, dark grey weathering, locally amygdaloidal, dark grey-green basalt necks and flows; Tv4, massive quartz-feldspar porphyry
- Ts** recessive, thick bedded to massive, pebble to boulder chert-quartz conglomerate, chert sandstone and thin bedded, dark brown siltstone and shale

MID-CRETACEOUS

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

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; CPal, light grey weathering, massive, fine crystalline, dark grey limestone; CPAub, recessive, green weathering serpentinite

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; CTng, resistant, massive, poorly sorted, conglomerate with pebble to cobble size clasts of basalt, chert, mylonite, and limestone
- COt** 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
- COr** Rabbitkettle Formation: grey-buff weathering, laminated to thin bedded, locally nodular, shaly limestone to calcareous phyllite (includes tuffaceous phyllite and greenstone on south flank of Anvil Batholith)

LOWER CAMBRIAN

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

Southwest of Tintina Fault

MID-CRETACEOUS

- Kg** resistant, grey weathering, locally foliated, biotite ± hornblende diorite, granodiorite, and granite

DEVONIAN AND MISSISSIPPIAN

- DMesl** buff-orange weathering phyllite, calcareous phyllite and phyllitic, platy limestone; minor buff weathering dolomite siltstone, black very fine crystalline limestone, black pyritic slate, and fine grained quartz arenite

ORDOVICIAN TO DEVONIAN

- ODsl** moderately resistant, black weathering, siliceous, graphitic, black siliceous and pyritic slate

CAMBRO-ORDOVICIAN

- uEOc** buff, orange and orange-brown weathering, thinly interlaminated calcareous shale and silty limestone

- 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

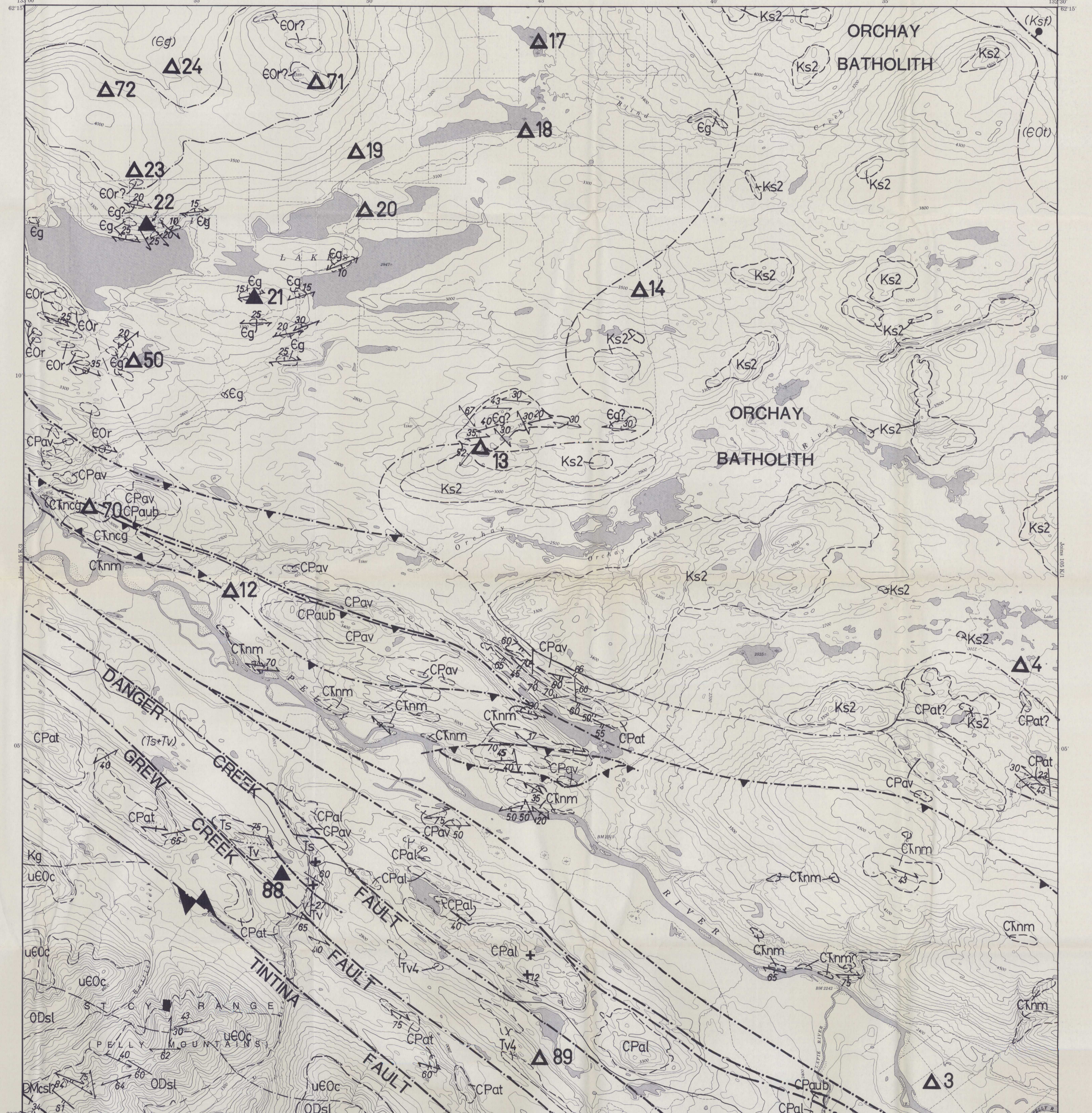
- 1) contacts are extrapolated, where exposure warrants, on basis of assumed simple structure
2) mineral occurrence numbers follow convention in Yukon Exploration 1987, Exploration and Geological Services Division, Dept. Indian and Northern Affairs, Yukon
3) only those formations or members occurring 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

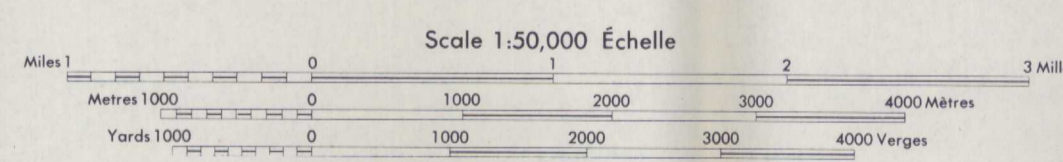
NO.	TYPE	NAME	DESCRIPTION
3	work target	Pen	
4	work target	Olgite	
12	work target	Holly	
13	work target	Sock	
14	work target	Spur	vein, minor sulphide in core
17	work target	Blind	
18	work target	Cub	
19	work target	Nasty	
20	work target	Abraham	
21	work target	Sea	stratiform, concordant
22	work target	BS	stratiform, concordant
23	work target	Blackwood	
24	work target	Bea	
50	work target	Sirola	
70	work target	Tar	
71	work target	MX	
72	work target	Rachell	stratiform pyrite-pyrrhotite in drill core
88	work target	Grew Creek	disseminated Au associated with chalcedony quartz calcite vein breccia within Tertiary rhyolite

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 and D.J. Tempelman-Kluit 1967, 1968



SWIM LAKES
YUKON TERRITORY



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

11	10
5	6
4	3

105K/02

SHEET 3 OF 4

OPEN FILE 2249