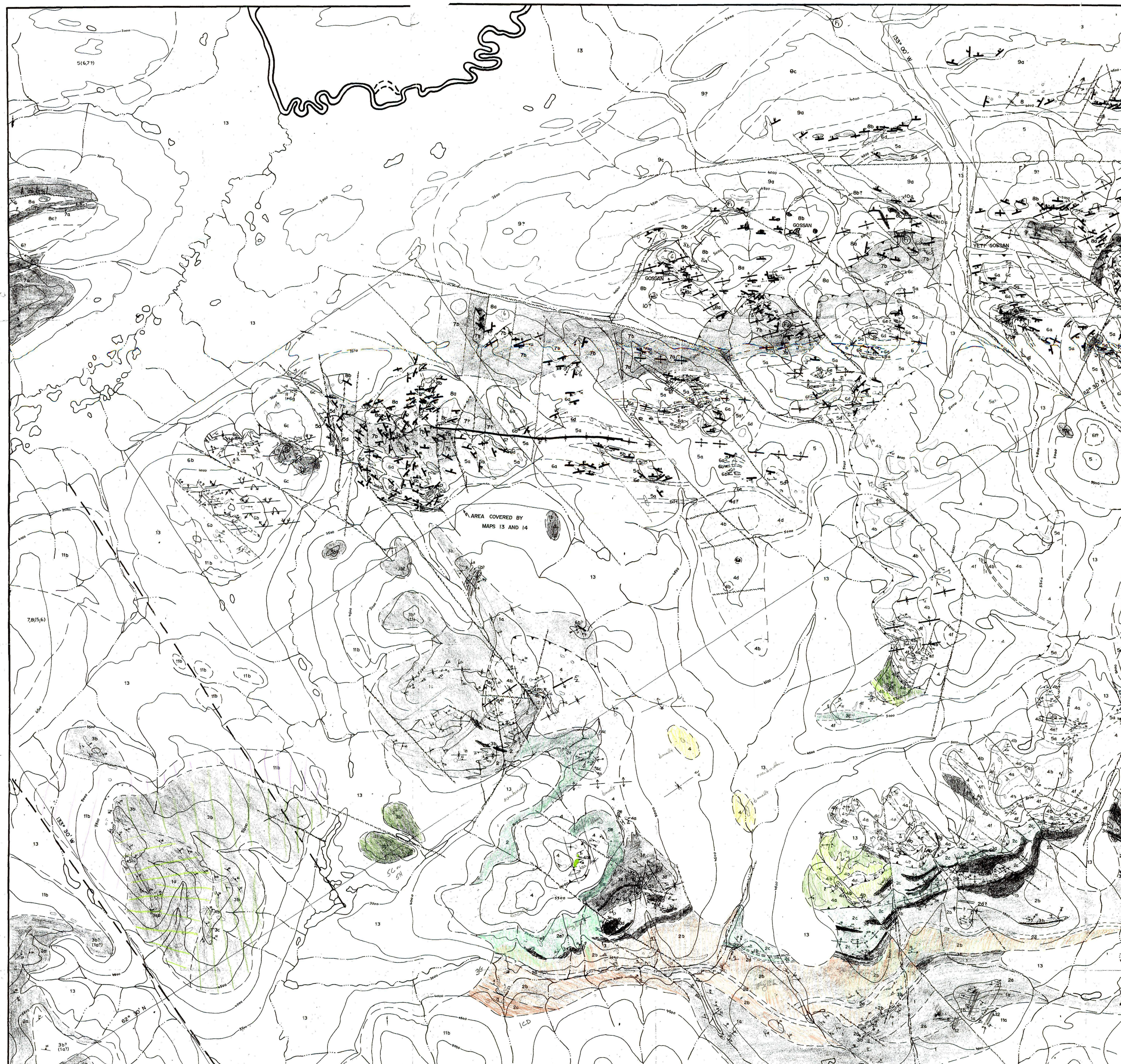


LEGEND

LITHOLOGY

13	OVERBURDEN; (13a) LIMONITIC BRECCIO – CONGLOMERATE, UNCONSOLIDATED TRANSPORTED GOSSAN	QUATERNARY
12	HORNBLENDE PORPHYRY DYKES	CRETACEOUS – TERTIARY
11	ANVIL BATHOLITH AND ASSOCIATED GRANITIC INTRUSIVES; (11a) GRANODIORITE, IN PART FOLIATED; (11b) PORPHYRITIC QUARTZ-MONZONITE	CRETACEOUS
10	(10c) RHYOLITIC CRYSTAL TUFF	ORDOVICIAN or CRETACEOUS ?
	(10b) BIOTITE – QUARTZ – FELDSPAR PORPHYRY DYKES	TRIASSIC ? or LATER
	(10a) QUARTZ – PORPHYRY, IN PART FOLIATED, AND MICROGRANITE	ORDOVICIAN ? – DEVONIAN ?
9	(9c) GREYWACKE, SHALE, MINOR CONGLOMERATE	TRIASSIC
	(9b) THICKBEDDED SILTSTONE	MISSISSIPPIAN ? or TRIASSIC ?
	(9a) FLYSCH FACIES GREYWACKE AND SHALE	TRIASSIC ?
8	(8a) BLACK CHERT AND SLATE, MINOR LIMESTONE; (8b) BLEACHED PYRITIC CHERT; (8c) BLACK SILICEOUS SLATE; (8d) APLITE, TUFF, HYDROTHERMAL BRECCIA	MISSISSIPPIAN – PERMIAN ?
7	KALZAS FORMATION; (7a) CALCAREOUS SLATE; (7b) INTERBEDDED LIMESTONE, QUARTZITE AND SLATE	U. DEVONIAN – MISSISSIPPIAN
6	(6a) EUTAXITIC TUFFACEOUS CHERT; (6b) BANDED SILICEOUS TUFF; (6c) APLITIC WELDED TUFF OR RHYOLITE; (6d) QUARTZ – EYE VOLCANIC WACKE; (6e) ORTHOQUARTZITE; (6f) FELSIC METAVOLCANIC	ORDOVICIAN? — DEVONIAN ?
6g	SULPHIDE BEARING SILICEOUS TUFF OR EXHALITE	
5	(5e) INTERBEDDED LIMESTONE AND SLATE, CALCAREOUS TUFFACEOUS SLATE, SILTY DOLOMITIC (?) LIMESTONE, GREY BIOCLASTIC LIMESTONE;	DEVONIAN
	(5d) CHERT, BEDDED BRECCIO – CONGLOMERATE	ORDOVICIAN? – DEVONIAN ?
	(5c) BROWN GRAPTOLITIC SLATE	ORDOVICIAN or SILURIAN
	(5b) INTERBEDDED SILTSTONES AND SHALES	ORDOVICIAN ? – DEVONIAN ?
	(5a) BLACK ARGILLACEOUS CHERT AND SILICEOUS SLATE	

EARN GROUP (units 8 to 5)

"FARO METAMORPHIC COMPLEX"
ORDOVICIAN? TO DEVONIAN?; PERMO-TRIASSIC? METAMORPHISM FOLLOWED BY CRETACEOUS METAMORPHISM OF UNITS 1 TO 3

REPEATED SEQUENCE / CONTEMP. ALTERATION
- (4g) COARSE BASIC – INTERMEDIATE INTRUSIVE PLUGS AND DYKES
- (4f) INTERMEDIATE GREENSTONES, POSSIBLY METATUFFS
- (4e) METAMORPHOSED HYDROTHERMALLY ALTERED VOLCANIC ROCKS
- (4d) SHEARED, CARBONATIZED VOLCANIC ROCKS
- (4c) BANDED SILICIC TUFFS AND TUFFWACKES
- (4b) INTERMEDIATE – ACID FRAGMENTAL ROCKS
- (4a) BASIC – INTERMEDIATE PILLOWED AND MASSIVE FLOWS

HIGHLY DEFORMED, NO STRATIGRAPHIC ANALYSIS POSSIBLE
- (3a) BASIC – INTERMEDIATE GREENSTONES; (3b) AMPHIBOLITE GNEISS, CHLORITIC SCHIST; (3c) BANDED SILICIC TUFFS AND TUFFWACKES; (3d) COARSE BASIC – INTERMEDIATE INTRUSIVE PLUGS AND DYKES; (3e) CHLORITIC PHYLLITE; (3f) INTERMEDIATE GREENSTONES, POSSIBLY META TUFFS
- (2a) BIOTITE – MUSCOVITE SCHIST ± GARNET, STAUROLITE; (2b) MUSCOVITE – CHLORITE PHYLLITE; (2c) LIMY PHYLLITE; (2d) GRAPHITIC PHYLLITE; (2e) LIMY, BEDDED PHYLLITE; (2f) INTERBEDDED SILTSTONES AND SLATES; (2g) GREYWACKE, PEBBLE CONGLOMERATE (2h) ANDALUSITE PORPHYROBLAST PHYLLONITE ?
- (1a) CALSILICATE GNEISS AND PHYLLITE, MINOR SCHIST, PHYLLITE AND MARBLE; (1b) MARBLE AND LIMESTONE, MINOR CALCSILICATE AND TUFF.

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

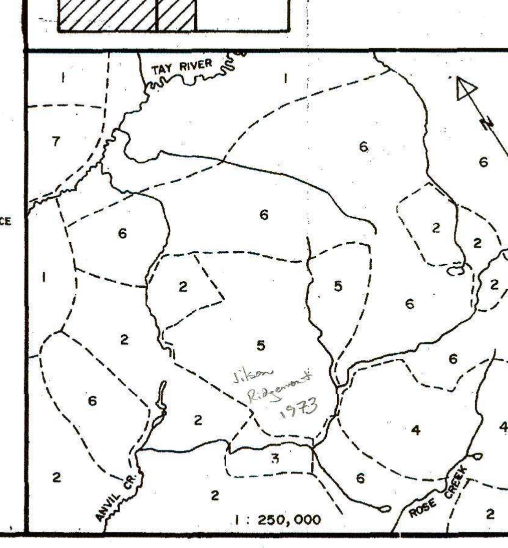
GENERAL

- OUTCROP
- LITHOLOGICAL BOUNDARY
- X FLOAT ROCK TYPE
- Cu CHALCOPYRITE
- Zn SPHALERITE
- TRENCH
- FACIES CHANGE
- FOSSIL LOCALITY WITH REFERENCE
- Fe PYRRHOTITE, PYRITE
- Pb GALENA

STRUCTURE

- FAULT, OBSERVED, INFERRED
- ERTS IMAGE LINEAMENT
- BEDDING ATTITUDE, MEASURED, APPROXIMATE
- LATER CRENULATION CLEVAGE, S_2
- S_4
- LATER FOLD (D_2) AXIAL TRACE
- EARLY FOLD AXIS, F_1
- F_2 BOUDIN OR QUARTZ ROD PLUNGE
- F_3 AXIS, WITH DOWN PLUNGE STYLE
- F_4 CRENULATION LINEATION
- INFERRED THRUST
- EARLY FOLD AXIAL TRACE, SYNCLINE, ANTICLINE
- EARLY PENETRATIVE CLEAVAGE, S_1
- S_3
- S_5
- LATER FOLD (D_5) AXIAL TRACE
- LATER FOLD AXIS, F_2
- F_3
- F_4
- F_5

SHEET 1 | SHEET 2



INDEX OF SOURCES

1 : G.S.C. MAP 13-1961, J. A. RODDICK AND L.H. GREEN, 1961, 1" = 4 MILES.
2 : G.S.C. MAP 1261A, D. J. TEMPELMAN-KLUIT, 1972, 1" = 2 MILES.
3 : SPARTAN EXPLORATIONS LTD., TRY CLAIMS, 1971, 1" = 400 FEET.
4 : KANGAROO EXPLORATION CORPORATION, 1972, 1" = 500 FEET.
5 : RIDGEMONT MINING CORPORATION, (GAJ), 1973, 1" = 1/2 MILE.
6 : RIDGEMONT MINING CORPORATION, (PFL), 1973, 1" = 1/2 MILE.
7 : ATLAS EXPLORATIONS LTD., OWL CLAIMS, 1970, 1" = 1000 FEET.

RIDGEMONT MINING CORPORATION

ANVIL RANGE PROJECT

GEOLOGICAL COMPILATION SHEET 1

COMPILED: P. F. L.
SCALE : 1 inch = 1/2 mile
1/2 0 1/2 1 1 1/2
SCALE IN MILES
DATE: DEC. 1973
. S. SHEET 105 K
..P 1 of 14

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