MAP NO.:	**ASSESSMENT REPORT** X	**DOCUMENT NO:**	092751
	PROSPECTUS	**MINING DISTRICT:**	Whitehorse
	CONFIDENTIAL X	**TYPE OF WORK:**	Blast trenching
105 D 6	**OPEN FILE**		

REPORT FILED UNDER: Ranger Pacific Minerals Ltd

DATE PERFORMED: 20 September 88-16 September 89 **DATE FILED:** 22 September, 1989

LOCATION: **LAT.:** 60°17'N **AREA:** ~~Mt Wheaton~~ Gold Hill

LONG.: 135°05'W **VALUE $:**

CLAIM NAME & NO.: JILL 1-18 (YB08065-YB08082)

WORK DONE BY: G. MacDonald

WORK DONE FOR: Ranger Pacific Minerals Limited

DATE TO GOOD STANDING:

REMARKS: #35 GOLD HILL

Altered rhyolite was sampled in blast trenches near a warm spring which appears to be located on a major fault. No mineralization was found in the area.

ASSESSMENT REPORT

on

1988 / 1989

PROSPECTING and SAMPLING

on the

Jill 1 - 18 YB08065 - YB08082

NTS 105 D-6

Lat. 60 17' N, Long. 135 05' W

Whitehorse Mining District

for

RANGER PACIFIC MINERALS LTD.

BY

G. MACDONALD, P. GEOL.

September 22nd, 1989

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LIST OF FIGURES AND TABLES

INTRODUCTION

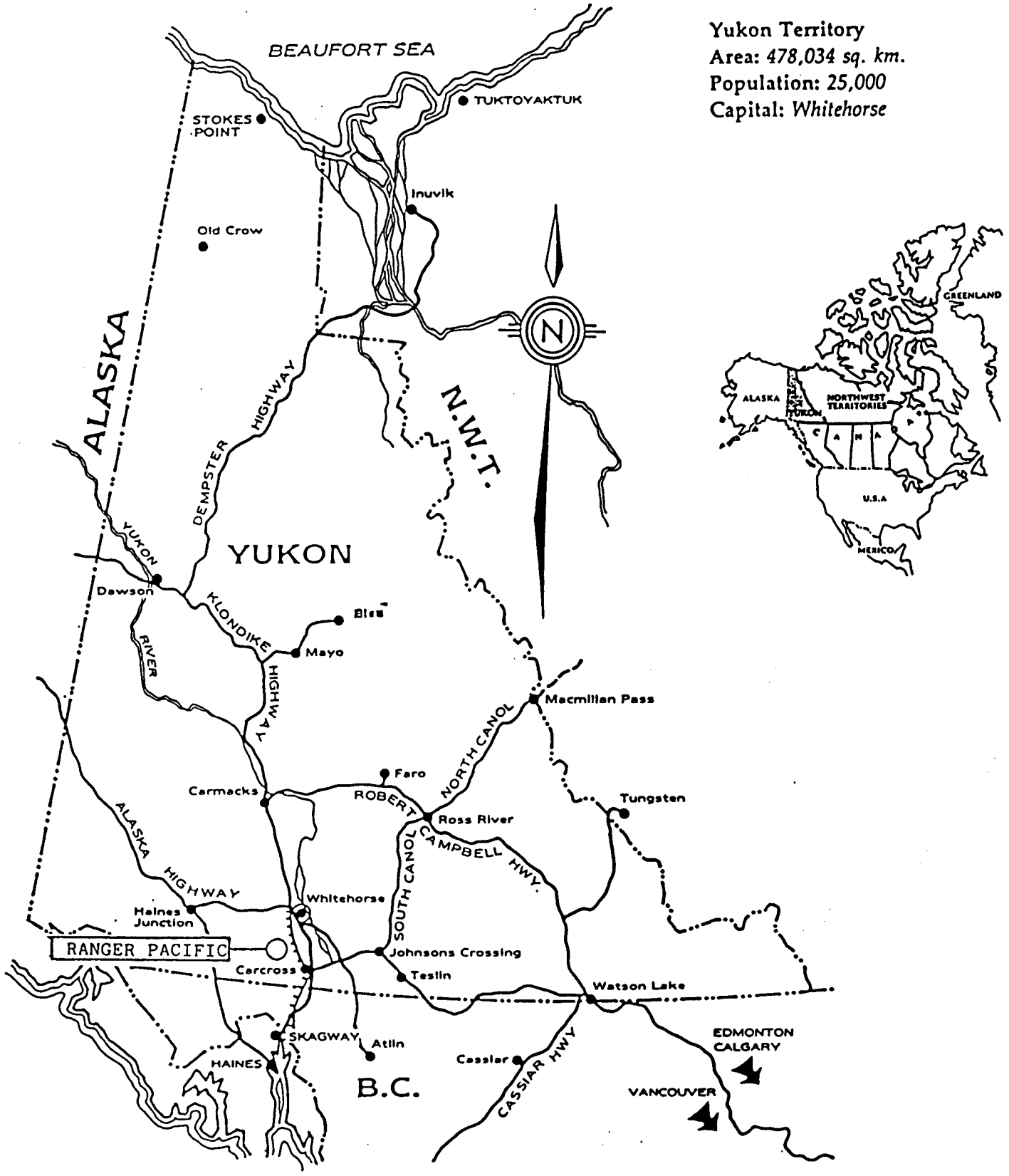
This report describes blasting and prospecting work undertaken on the JILL 1 - 18 "GOLD HILL" claims in 1988/89. The writer has worked on the subject property from 1985 to 1988 and has managed several exploration programs in the district.

LOCATION AND ACCESS

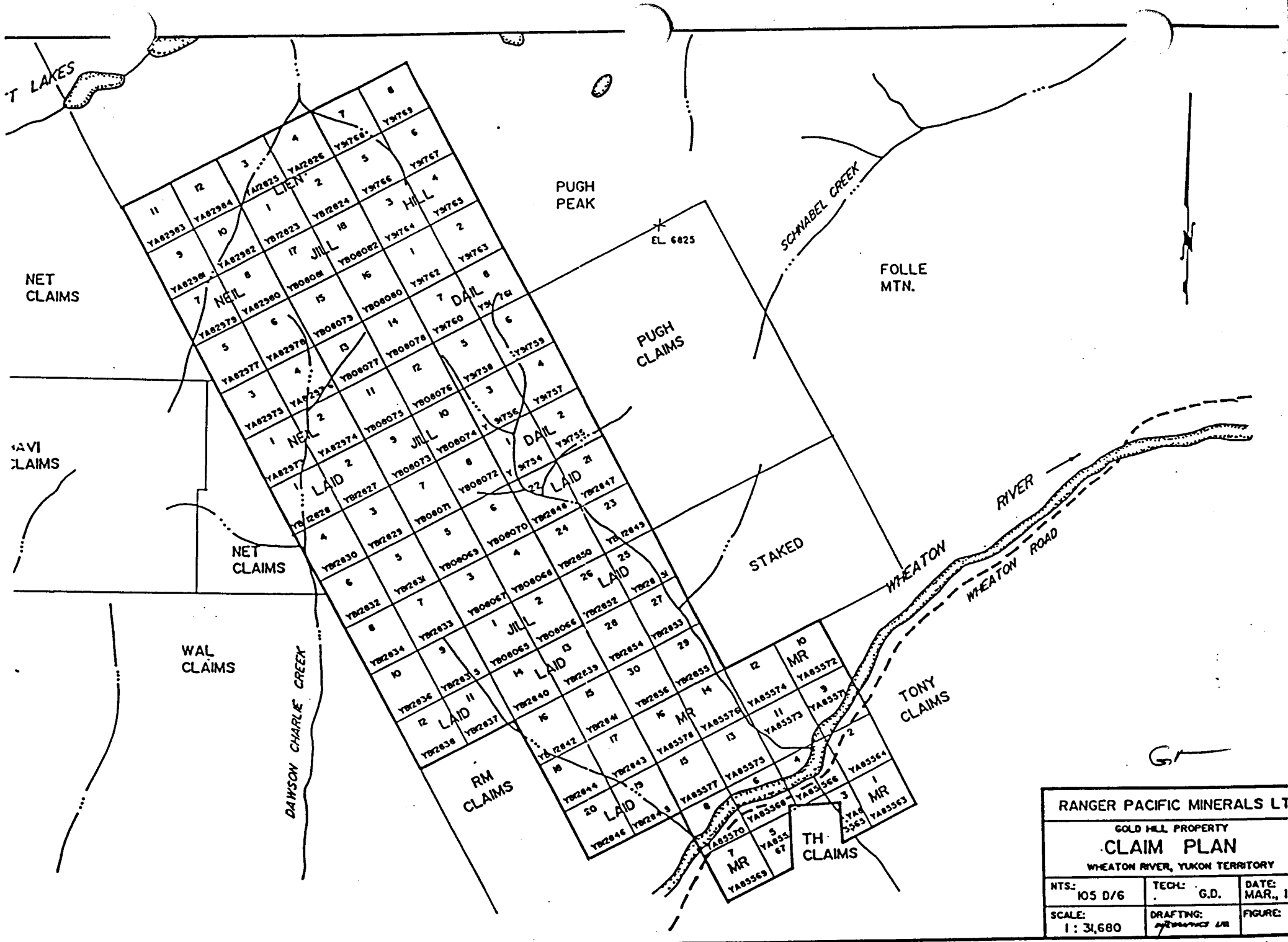
Ranger Pacific's Gold Hill claims cover a broad north-west trending ridge south of Pugh Peak, extending from the Wheaton River to Hodnett Lakes on NTS Map Sheet 105 D-6. The property lies 40 km south of Whitehorse at geographical coordinates 60 17'N latitude, 135 05'W longitude (see Figures 1 & 2).

The Alaska and Klondike Highways, and the Wheaton River-Mount Skukum all-season gravel road provide access to the area. A four wheel drive road follows Hodnett Creek from the Wheaton Road to the property. Presently access to the claims is on foot or by helicopter because the road is closed by a slide on the property end.

Figure 1



Yukon Territory
Area: *478,034 sq. km.*
Population: *25,000*
Capital: *Whitehorse*


T LAKES
NET CLAIMS
AVI CLAIMS
WAL CLAIMS
NET CLAIMS
RM CLAIMS
DAWSON CHARLIE CREEK
PUGH PEAK
EL 6825
PUGH CLAIMS
SCHWABEL CREEK
FOLLE MTN.
STAKED
WHEATON RIVER
WHEATON ROAD
TONY CLAIMS
TH CLAIMS
LIEN
HILL
NEIL
JILL
DAIL
LAID
MR
RANGER PACIFIC MINERALS LT
GOLD HILL PROPERTY
CLAIM PLAN
WHEATON RIVER, YUKON TERRITORY
NTS: 105 D/6
TECH: G.D.
DATE: MAR., 1
SCALE: 1 : 31,680
DRAFTING:
FIGURE:

REGIONAL GEOLOGY

The Wheaton River/Bennett Lake district overlies the boundary between two terranes: (1) the Whitehorse Trough consisting of Mesazoic and Paleozoic folded metavolcanic and metasedimentary rocks, and (2) crystalline rocks of the Coast Plutonic Complex and Yukon Crystalline Terrane, consisting of metasedimnetary rocks of the Late Precambrian or Paleozoic Yukon Group intruded by Mid-Cretaceous granite or granodiorite plutons. Both Terranes are intruded and overlain by Early Tertiary volcanic rocks of the Skukum Group. Figure 3 shows the regional geology.

The Whitehorse Trough features a complex assemblage of deformed volcanic and sedimentary rocks consisting of the Triassic Lewes River Group, the Lower Jurassic Laberge Group and the Jurassic Tantalus Group. The Lewes River Group consists of andesite, basalt and pyroclastic flows, and foliated marine sedimentary rocks. A narrow but continuous unit of limestone, limestone breccia and quartzite has been traced in a northwesterly direction from the west side of Mount Stevens across Tally-Ho Mountain and Gold Hill to the Hodnett Lakes. Interbedded schists occur with the limestone and volcanic rocks of the Lewes River Group. A narrow band of Tantalus Group conglomerates and Laberge

Group siltstones outcrops on Folle Mountain and Idaho Hill; however, rocks of these groups primarily outcrop north and east of the Wheaton River/Bennett Lake district.

Cretaceous granitic rocks of the Coast Plutonic Complex are the most common in the district; typically, they consist of fresh quartz monzonite, granodiorite or quartz diorite. Pendants and masses of Yukon Group quartz-mica schist, gneisses and crystalline limestone occur in the granitic intrusives. The Yukon Group is of Early Paleozoic and Late Precambrian age.

A younger series of andesite and rhyolite flows, tuffs and agglomerates, mapped as the Tertiary Mount Skukum, intrude and overlie granitic rocks forming volcanic complexes at Mount Skukum and Mount Macauley. Also, Skukum Group rhyolite and granite porphyry dykes and plugs intrude Lewes River Group rocks and Cretaceous granodiorites throughout the Wheaton River area.

The geology of the Wheaton River region was initially mapped by D.D. Cairnes of the G.S.C., published in Memoir 31 (1912) and later by J. Wheeler, published in Memoir 312 (1961). A reinterpretation of the regional geology formed part of the metallogenic map published as Open File E.G.S. 1979-6 (G. W. Morrison) by the Department of Indian Affairs and Northern Development.

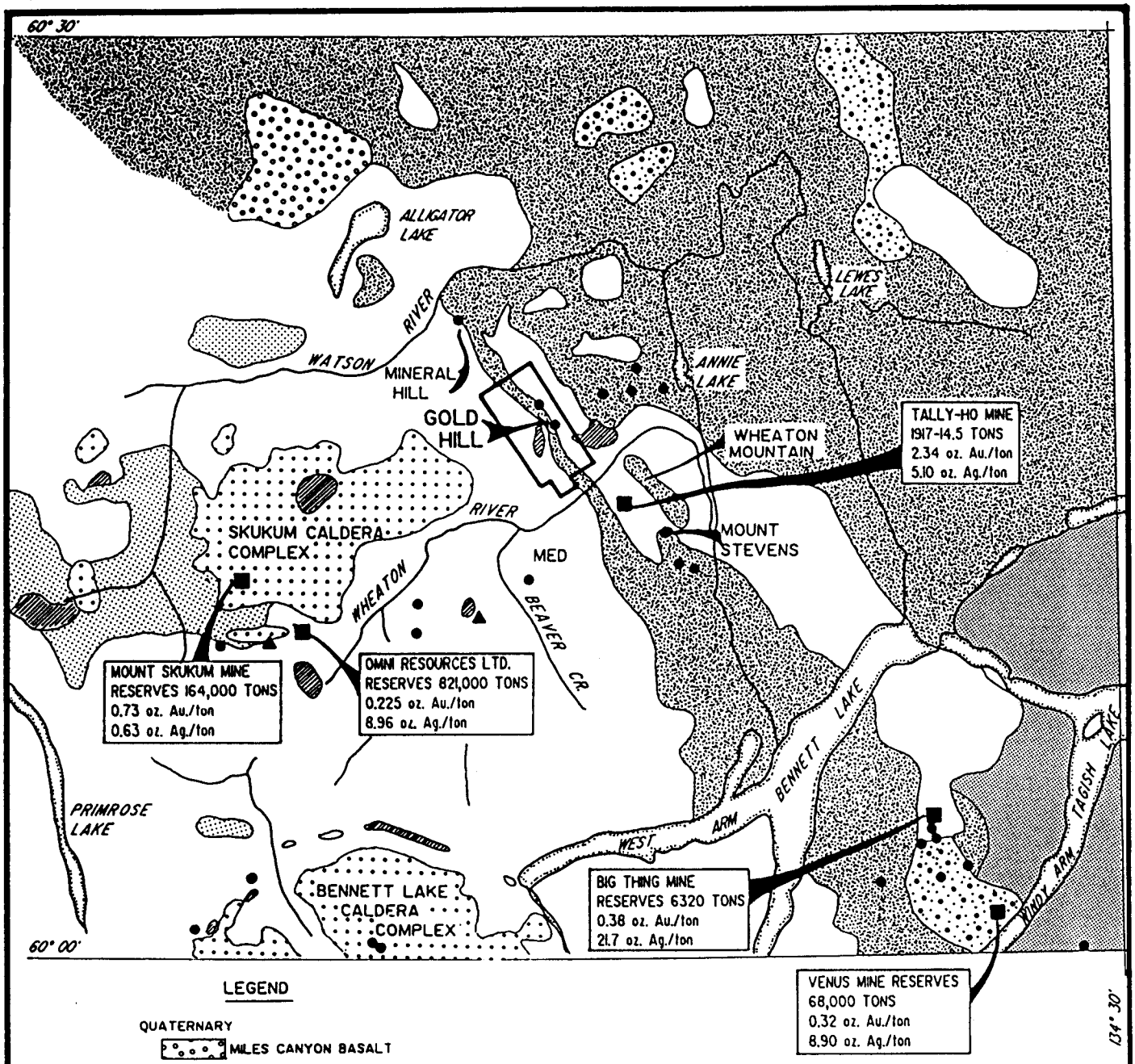
Mesozoic and Paleozoic sedimentary and volcanic rocks of the Whitehorse Trough Terrane are deformed and generally metamorphosed to at least lower green schist facies. These units trend north to northwest and are internally complex.

Structurally, the area features major faults, primarily along river valleys, associated with movement in the Coast Plutonic Complex and with Early Tertiary volcanism at Mount Skukum, Mount Macauley and Montana Mountain. The Skukum Group volcanic rocks are equivalent to the Sloko Group of northern British Columbia and the Mount Nansen Group of central Yukon. Late stage features of Skukum Group volcanism include dacite, rhyolite and granite porphyry dykes, emplaced in fracture and fault zones around the volcanic complexes, and quartz or quartz carbonate veining with significant precious and base metal mineralization.

See Table 1 for a Table of Formations.

Table of Formations

ERA	PERIOD or EPOCH	FORMATION	LITHOLOGY
CENOZOIC	Pleistocene and Recent		Glacial drift, alluvium, volcanic ash
		Miles Canyon	Basalt, minor sediments and pyroclastics
	Unconformity		
	Eocene	Skukum and Bennett Lake Intrusives	Quartz feldspar granite porphyry
			Smokey quartz eye granite
			Rhyolite feldspar porphyry
			Ryolite dykes
		Intrusive Contact	
		Skukum and Bennett Lake Volcanic Complexes	Felsic pyroclastics, tuff, lithic tuff, welded tuff, flow banded rhyolite, epiclastic sediments, andesite flows and breccias, dacite flows, conglomerate and basalt
	Unconformity		
	Tertiary		Ibex alaskite
			Pink quartz monzonite
			Alaskite granite with mafic border phase
			Leucogranite
Intrusive Contact			
MESOZOIC	Cretaceous	Mt. Nansen Gp.	Rhyolite to andesite flows and lithic tuff
		Unconformity	
		Coast Plutonic Complex	Folle Mountain biotite granite
			Hornblende granodiorite
			Mt. Anderson granite-granodiorite
			Boudette Creek quartz monzonite
			Wheaton Valley hornblende granodiorite
			Fenwick Creek diorite
	Intrusive Contact		
	Uppermost Jurassic/ Lower Cretaceous	Tantalus Formation	Chert pebble conglomerate, grit, sandstone, shale and coal
	Lower and Middle Jurassic	Laberge Group	Granite cobble conglomerate, greywacke, arkose, siltstone and andesite
	Disconformity		
	Late Triassic		Friday Creek diorite
			Pyroxenite, leucogabbro
			Megacrystic granite-granodiorite
			Intrusion breccia
		Intrusive Contact	
		Lewes River Group	Andesite flows, breccias, tuff, augite and feldspar porphyry, chlorite schist, agglomerate, arkose, conglomerate, marble, limestone, greywacke and argillite
		Relations Uncertain	
			Andesite flows, breccia and tuff
Unconformity			
PALEOZOIC -?-?-?-? Precambrian			Hornblende granodiorite gniess
	Intrusive Contact		
	Paleozoic and Older	Yukon Crystalline Terrane	Biotite muscovite quartz feldspar gneiss, chlorite biotite feldspar gneiss, muscovite quartz schist, marble, quartzite, amphibolite



LEGEND

QUATERNARY
- MILES CANYON BASALT

EOCENE
- SKUKUM GROUP VOLCANICS
- SKUKUM GROUP RHYOLITE

CRETACEOUS
- COAST PLUTONIC COMPLEX - GRANODIORITE
- HUTSHI GROUP VOLCANICS

TRIASSIC TO JURASSIC
- WHITEHORSE TROUGH LEWES RIVER GROUP AND LABERGE GROUP

PERMIAN
- TAKU GROUP

PALEOZOIC OR OLDER (?)
- YUKON METAMORPHIC COMPLEX

- ▲ ANTIMONY PROSPECT
- ● PRECIOUS METALS PROSPECT
- ■ PRECIOUS METALS DEPOSIT

0 5 10 15 20
KILOMETRES

NOTE: MINERAL OCCURENCES AFTER NORTHERN CORDILLERA MINERAL INVENTORY 1986 : ARCHER, CATHRO & ASSOCIATES (1981) LTD.
GEOLOGY AFTER WHEELER, 1961.

RANGER PACIFIC MINERALS LTD.

GOLD HILL PROPERTY

REGIONAL GEOLOGY MAP

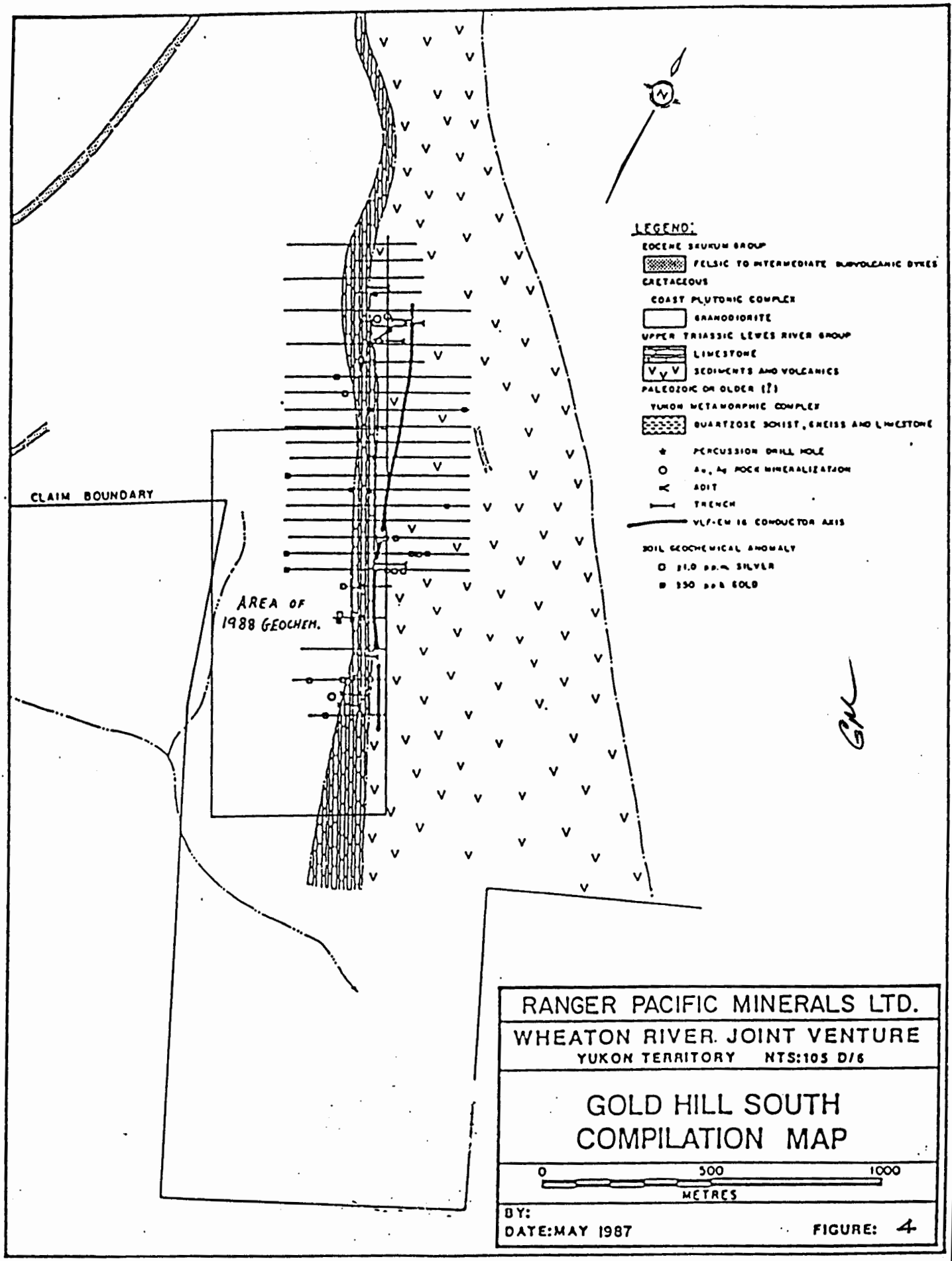
WHEATON RIVER, YUKON TERRITORY

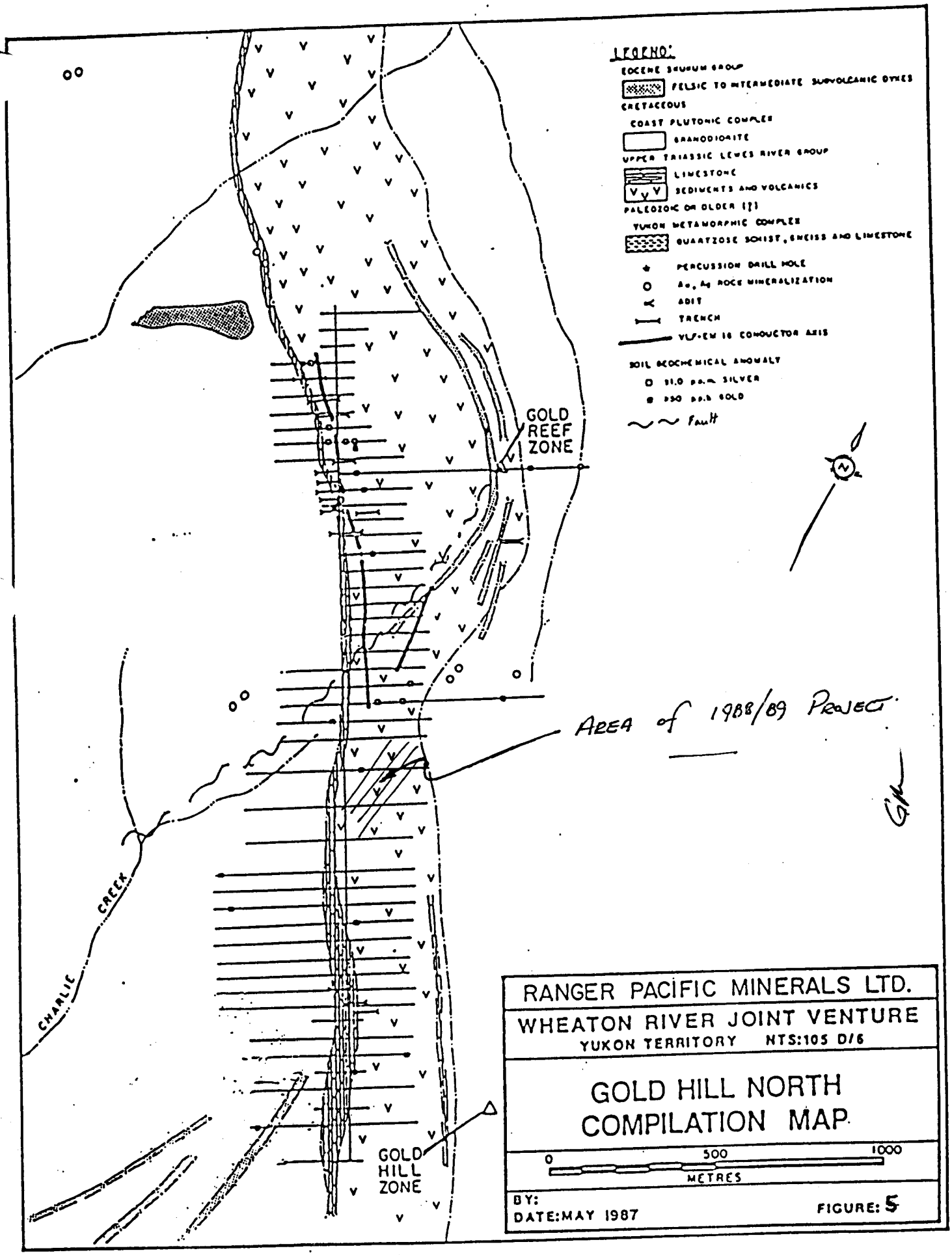
NTS.: 105 D/6	TECH.: G.D.	DATE: MAR., 1988
SCALE:	DRAFTING: INTEGRAPHICS LTD.	FIGURE: 3

GOLD HILL GEOLOGY

The Gold Hill area is primarily underlain by Cretaceous granodiorite of the Coast plutonic Complex and a northwesterly trending belt of Triassic Lewes river Group metasedimentary and metavolcanic rocks. Dykes and plugs of Early Tertiary Skukum Group volcanic rocks intrude the Mesozoic and Paleozoic rocks. Porphyry dykes and fracture systems associated with the volcanic centre at Mount Skukum pass through the Gold hill area.

Geology of the Gold Hill area is shown in Figures 4 and 5.


LEGEND:
EOCENE SKUKUM GROUP
FELSIC TO INTERMEDIATE SUBVOLCANIC DYKES
CRETACEOUS
COAST PLUTONIC COMPLEX
GRANODIORITE
UPPER TRIASSIC LEWES RIVER GROUP
LIMESTONE
SEDIMENTS AND VOLCANICS
PALEOZOIC OR OLDER (?)
YUKON METAMORPHIC COMPLEX
QUARTZOSE SCHIST, GNEISS AND LIMESTONE
PERCUSSION DRILL HOLE
Au, Ag ROCK MINERALIZATION
ADIT
TRENCH
VLF-EM 16 CONDUCTOR AXIS
SOIL GEOCHEMICAL ANOMALY
SILVER
GOLD
CLAIM BOUNDARY
AREA OF
1988 GEOCHEM.
RANGER PACIFIC MINERALS LTD.
WHEATON RIVER JOINT VENTURE
YUKON TERRITORY NTS:105 D/6
GOLD HILL SOUTH
COMPILATION MAP
0
500
1000
METRES
BY:
DATE:MAY 1987
FIGURE: 4


LEGEND:
EOCENE SKUKUM GROUP
FELSIC TO INTERMEDIATE SUBVOLCANIC DYKES
CRETACEOUS
COAST PLUTONIC COMPLEX
GRANODIORITE
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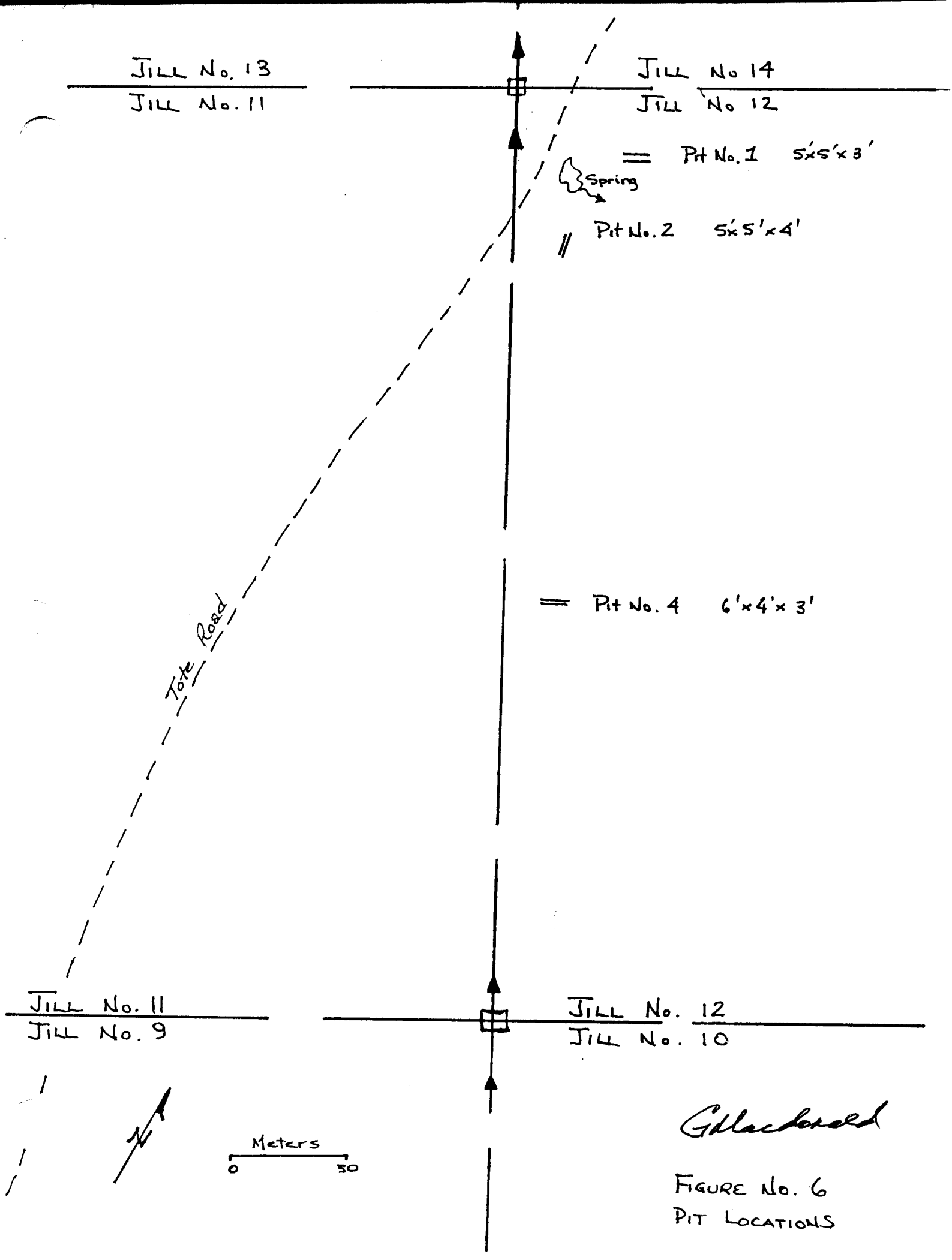
PERCUSSION DRILL HOLE
Au, Ag ROCK MINERALIZATION
ADIT
TRENCH
VLF-EM 16 CONDUCTOR AXIS
SOIL GEOCHEMICAL ANOMALY
Fault
GOLD REEF ZONE
AREA of 1988/89 PROJECT
CHARLIE CREEK
GOLD HILL ZONE
RANGER PACIFIC MINERALS LTD.
WHEATON RIVER JOINT VENTURE
YUKON TERRITORY NTS:105 D/6
GOLD HILL NORTH
COMPILATION MAP
0 500 1000
METRES
BY:
DATE:MAY 1987
FIGURE: 5



GMackenzie

FIGURE No. 6
PIT LOCATIONS

CURRENT EXPLORATION

A small, warm spring occurs along a major fault (contact ?) zone in corbonate and volcanic rocks of the Lewes River Series where Skukum series rhyolite dykes are present. Samples of altered country rock were obtained from small blast pits in the vicinity of the spring. These samples will be the subject of a future miccrospocic study to determine alteration characteristics. During the sample selection program, the area of the spring was prospected to determine if any sulphide mineralization occurs nearby. None was found. A prospector and helper crew supplied by Tempest Respources were contracted to carry out this program and had field crews on the site September 20 - 21, 1988, July 17 - 23, 1989 and September 14 - 16, 1989. This current exploration phase is shown on Figure 6 of this report.

SUMMARY AND CONCLUSION

The samples selected for examination show substantial alteration. They should be analysed to determin the nature of the alteration products by miscosopic and whole rock geochemical techniques.

G Macdonald

APPENDIX 1

CERTIFICATE OF QUALIFICATIONS

I, GLEN C. MACDONALD, with business and residential address in Vancouver, BC, do hereby certify that:

1. I am a consulting professional geologist.

2. I am a graduate of the University of British Columbia (B.Sc. Geology, 1973 and B.A. Economics 1971).

3. I have practiced Mining and Exploration geology in Yukon, northern British Columbia and Northwest Territories since 1973. I began private practice in 1982 after leaving the position of Regional Geologist for Noranda Exploration Company Limited, Whitehorse, Yukon.

4. I hereby grant my permission for Ranger Pacific Minerals Ltd. to use this report for any legal purposes normal to the business of the corporation.

DATED at Vancouver, BC this 22nd day of September, 1989.

Glen C. Macdonald, P. Geol.

APPENDIX II

STATEMENT OF COSTS

Prospector	8 days @ $ 250 / day	$ 2,000
Helper	8 days @ $ 100 / day	800
P / U truck	2 weeks @ $ 300 / wk	600
Drill & Powder		500
	Total costs	$ 3,900