12,963

PROSPECTORS REPORT ON 1984 RECONNAISSANCE

Geochemical Survey

Dave Mineral Claim

Mt Davidson Area

Omineca Mining Division

NTS 93F 2/W

Dates Worked: Aug 5 - 12/83
April 20-23/84
May 20-24/84
July 1 - 7/84

Latitude 53*09'N Longitude 124*51'W

by David H. Rozek
Owner/Operator
July 25/84.

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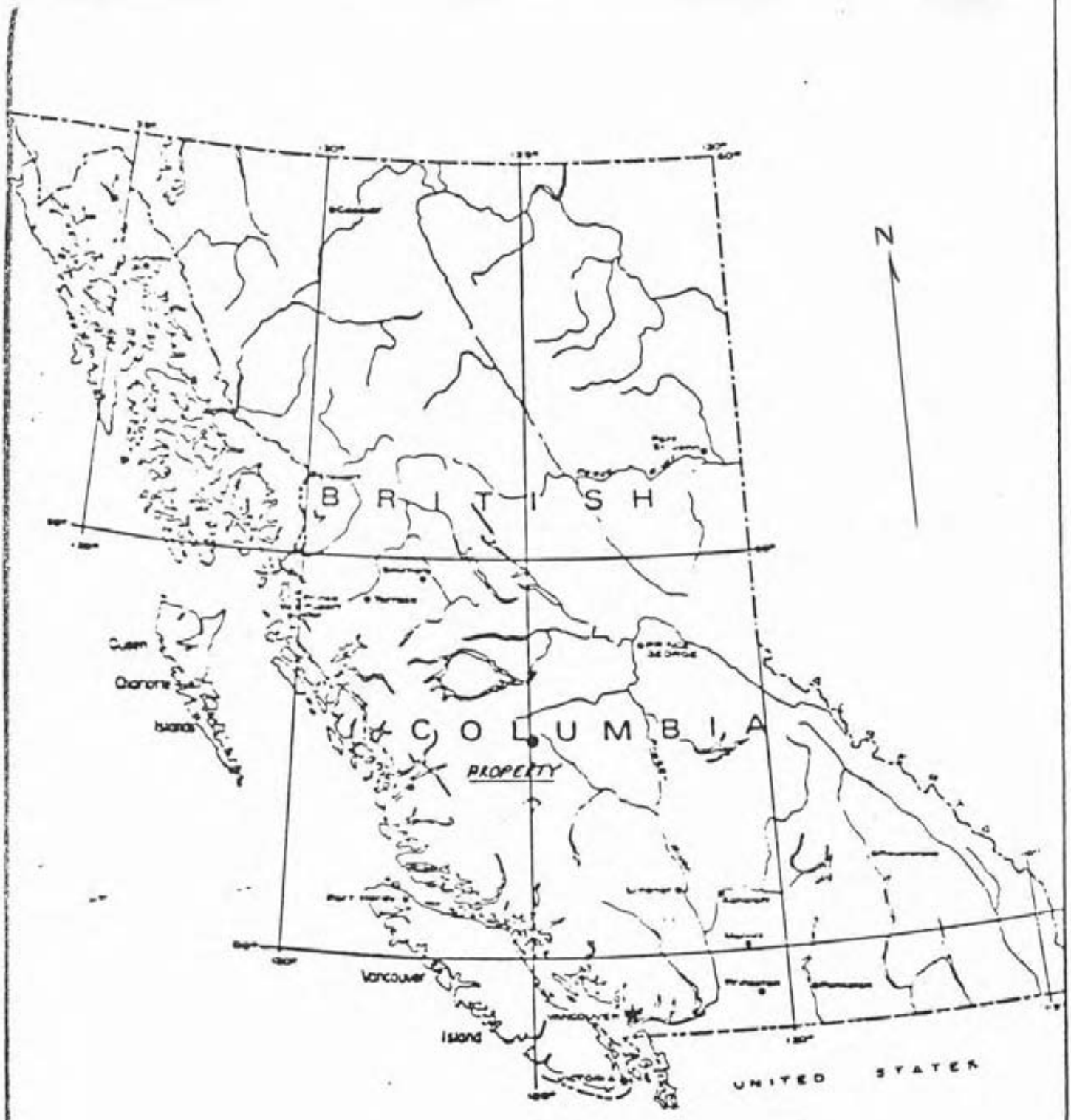
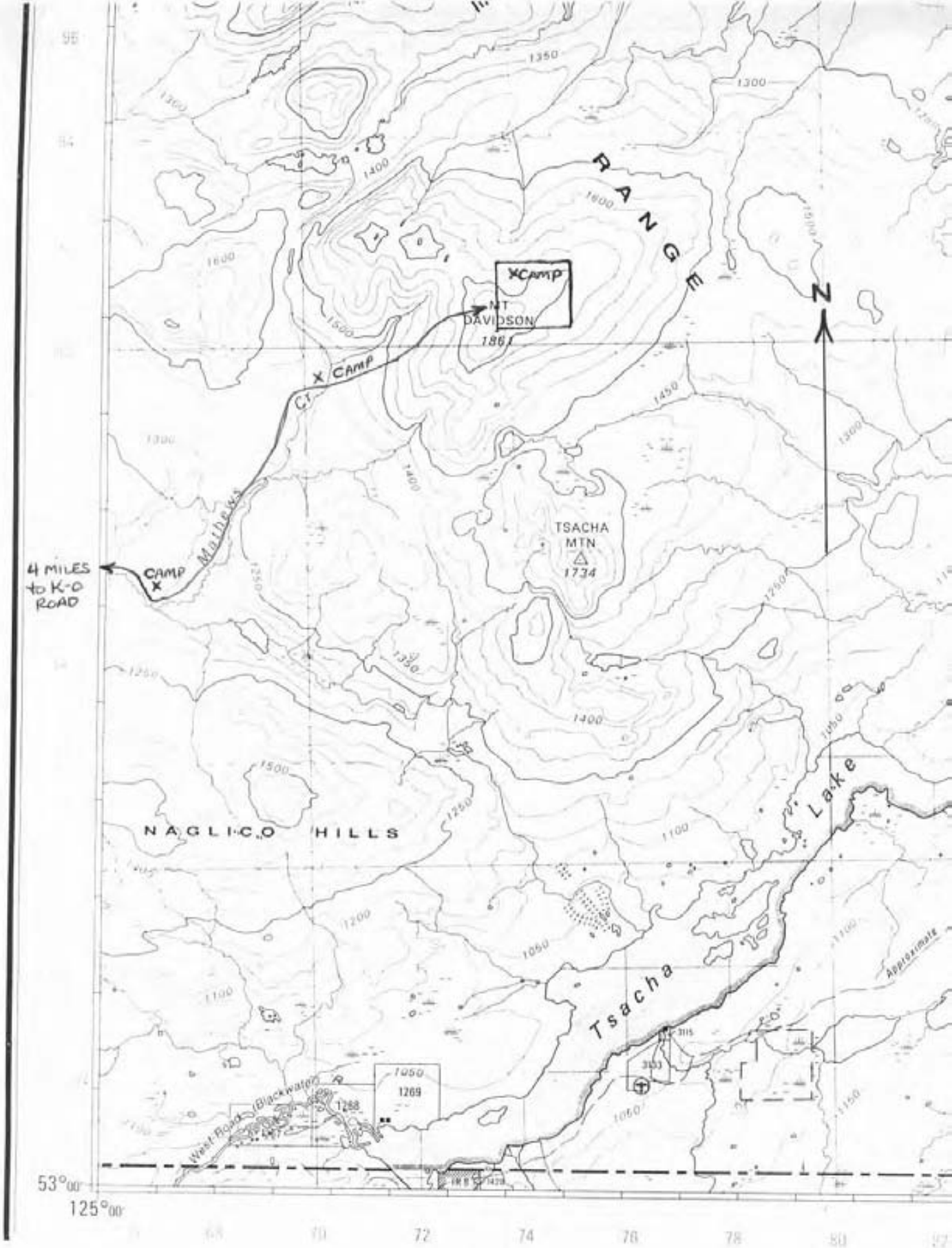


PROPERTY LOCATION MAP

SCALE

DRAWING No



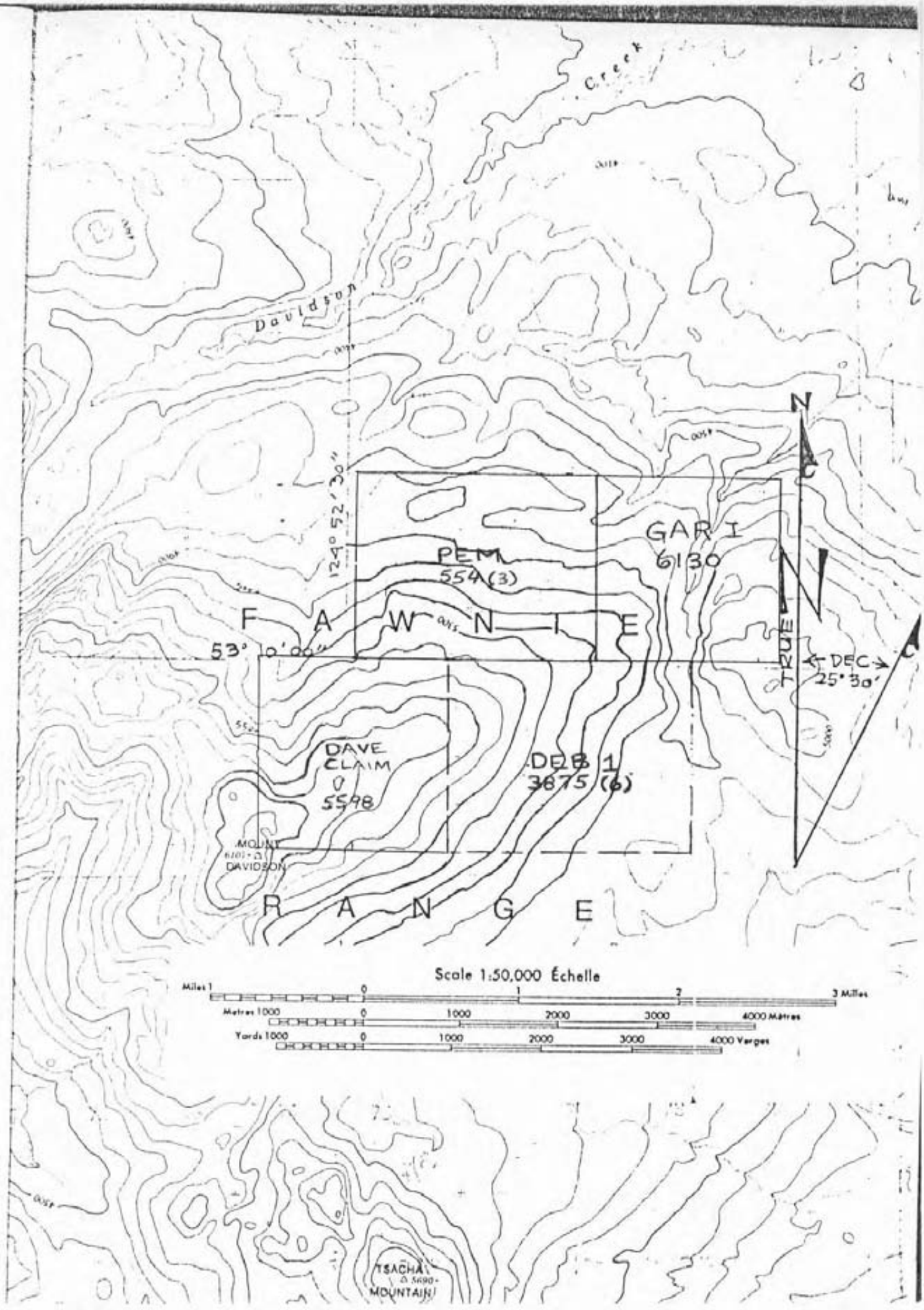
Scale 1:100 000

(1 cm = 1 km)

km 2 0 2 4 6 8 10 12

1 km = 0.6214 mi. 1 mi. = 1.6093 km

Universal Transverse Mercator Projection


Davidson
124° 52' 30"
53° 10' 00"
PEM
554(3)
GARI
6130
FAWN
RANGE
TRUE
DEC
25° 30'
DAVE
CLAIM
5598
DEB 1
3675 (6)
MOUNT
DAVIDSON
Scale 1:50,000 Échelle
Miles 1
0
1
2
3 Miles
Metres 1000
0
1000
2000
3000
4000 Mètres
Yards 1000
0
1000
2000
3000
4000 Verges
TSACHA
MOUNTAIN

Introduction

Recent Pb - Zn - Ag and Au anomolies first explored by Rio Tinto in 1965-71, led to the Granges Exploration staking of the "Capoose" Property in the northern Fawnee Mountain area. Additional airborn and geochem reconnaissance by Granges in 1977 and 1981 led to the discovery of Zn anomolies of the North and East slope of Mt. Davidson. The Pem and Deb 1 claims were consequently staked at that time. This information coupled with Pb - Zn anomolies established on upper Matthews Creek by Cities Service in 1975 lent support to acquiring ground to the West of the Granges claims.

On July 27 / 83 the Dave mineral claim was staked adjacent to the Granges Pem and Deb 1 claims.

Location and Access

The Dave Mineral Claim property, consisting of 16 units, is located on the north flank of Mt. Davidson approximating 110 Km SE of Burns Lake and 150 Km SW of Vanderhoof, B.C. in the Omineca Mining Division; about 10 Km north of Tsacha Lake. Location on NTS map 93 F 2/W is 124*51'W longitude, 53*09'N latitude.

Access to the property is by helicopter from Burns Lake (Alpine) or Prince George (Northern Mtn.). Additionally

the newly constructed Kluskus - Ootsa Forest Access Road from Vanderhoof affords access to within 9 miles of the property. Access from the Kluskus - Ootsa access road to the Dave claim property is by saddle and pack horse trail. Average trail time is approximately 5 - 6 hours.

Physiography

The claim area is situated on the north slope of Mt. Davidson with the SW claim corner approximately 150 metres NE of and below the Mountain. Elevation ranges from 1850 metres at the SW corner to approximately 1650 metres at the NW corner, with a general elevation of 1750 metres. The claim area consists of generally open wet alpine meadows along the South ½ of the claim, gradually fading into Balsam, Spruce and Pine forest along the lower elevation (northern boundry). The NE corner of the claim area is densely covered with snow-crushed, thick fallen secondgrowth balsam. Travel is extremely difficult in this area. One small creek along the west boundry is the only major source of water on the property.

Regional Geology-

The Mt. Davidson area consists of a large volcanic pile of rhyolitic crystal tuffs, andesites, arglillites and associated braccias. Minor grandiorite intrusions are present in the SW corner outcroppings. Only the southwesterly portion of the claim exhibits any bedrock exposures.

The balance of the property area is heavily overlain with sand, gravels and related glacial deposits. Indications are a massive glacial scouring from the west with the glacial overburden tending to deepen to the east.

Geophysical Work

Five days (Aug 5-10th) were spent locating and blazing a saddlehorse trail from Km 157 on the Kluskus-Ootsa access road to the claim area. Spruce swamps and blowdown areas at the lower elevations necessitated detours along the chosen Matthews Creek route. This routing would not be suitable for improved access for large equipment, being much too swampy with no good gravel deposits along the lower route.

Geochemistry

Reconnaissance silt, soil and rock chip geochemical sampling has outlined a narrow anomolous area along the eastern boundry of the claim area. A second area of slight interest lies at the NW corner of the claim property along the watercourse previously mentioned.

The eastern area is about 800 metres long (N - S) and is weakly anomolous for Cu and Zn. Cu values ranged from a low of 16 ppm to a high of 250. Zn values were appreciably higher than for Cu, with a low of 40 and a high of 500. One sample (#06427) was slightly anomolous for gold. Silver and lead results were extremely low showing all values for Pb less than 50 ppm and Ag less than 1.4 ppm.

Sample geochem analysis sheets are enclosed. Analysis method is self-evident.

Conclusions

The entire Mt. Davidson area has geochemical and geophysical evidence indicating the possible presence of a large sulfide deposit rich in Zinc. Further geochem sampling is warranted particularly to the north and east. The area between Davidson and Tsacha Mountain should not be overlooked. Mapping and geochem sampling should be done on the claim area at approximatelyu 50 metre intervals, concentrating on the northeast quadrant. Continued analysis should be done for Cu, Zn, Pb, Ag and Au where warranted.

Qualifications

1) one year college general geology course at Potsdam, N.Y. USA

2) two years field work under direction of Mr. Micheal Smith geologist for B.P. Minerals assistant to Dr. Stan Hoffman on the Gran 5,6, 7 and Laid claims in the "Capoose" Fawnee Mtn. area.

3) Present prospecting and field work done under direction of Mr. Ronald G. MacArthur, District Geologist, Noranda Exploration Company Ltd. 1750 Quinn St., Prince George, B.C.

David H. Rozek

David H. Rozek

Statement of Costs

Geophysical: Aug 5 - 10 / 83 (5 days)

Construction of 9.3 miles of packhorse trail from Km 157 Kluskus Ootsa Forest Access Road to Mt. Davidson:

1 powersaw man (faller)	@$100/day	$500
1 bucker/piler man	@$ 65/day	325
powersay expenses	@$ 12/day	60
groceries	@$ 15/man/day	150
Transportation from Vanderhoof (Toyota P.U.)		
200 miles	@ 15miles/gal	33
	@ 49.9/liter (2.25/gal)	
	Total Expenditures	$1,065.00

Geochemical (35 Samplings) April 20-23/84

1man @ $100/day for 3 days	$300
2 horses @ $20/day each (1 day ride up, 1day sampling, k day ride back)	120
Feed (horses) 100# grain	17.50
Groceries @ $15/day	45
Transportation from Vanderhoof (Toyota P.U.)	37
Sample delivery cost to Prince George	20
Total Expenditures	$539.50

Geochem (cont.) 42 Samplings May 20 - 24/ 84

one man @ $85/day for 4 day	$320
2 days riding, 2 days sampling	
2 horses @ $20/day each for 4 days	160
Feed 100 #	17.50
Groceries @ $15/day for 4 days	60
Transportation to Km 157	35
Delivery of Samples to Prince George	20
Total Expenditures	$612.50

Geochem 100 Samplings July 1-7/84

one man @ $ 85/day for 7 days	$585
2 horses @ $20/day each for 7 days	280
Groceries @ $ 15/day for 7 days	105
Transportation to Km 157	33
Sample Delivery	25
Total Expenditures	$1,028.00

Grand Total Expenditures	$3,244.00

NORANDA GEOCHEM LABORATORY

LOCATION ROZEK PROJECT 40 COLLECTOR RMC DATE RECEIVED APR. / 30 / 84 CODE [illegible] SHEET 1

MATERIAL Rock DATE ANALYSED MAY / 2 / 84 ANALYST RF

REMARKS Cu Zn Pb Ag in ppm Au in ppb

0.2g / 4ml $HClO_4$-HNO_3 → 10ml 10g / AQUA REGIA-MIBK / A.A.

T.T. NO.	SAMPLE NO.		Cu	Zn	Pb	Ag	Au								
1	06427		58	38	2	1.0	160								
2	8		22	500	4	0.4	10								
3	06429		280	68	2	0.6	10								
—	—		—	—	—	—	—								

3/5/84

ASSAY

RECEIVED MAY 7 1984 GEOSCIENCES

NORANDA EXPLORATION COMPANY, LIMITED

8405-00L

PROPERTY Rozek

N.T.S. _____

DATE Apr 30/84

SAMPLE REPORT ASSAY

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS % Cu	% Pb	% Zn	oz/T Au	oz/T Ag			SAMPLED BY
06426	Light-green-grey volcanic, dacite?										
	with 2cm stringer of sphalerite chlor										
	and pyrite diss pyrite in matrix			0.03	0.04	0.36	0.001	0.14			

Rush!

Ronald G. MacArthur
District Geologist

NORANDA EXPLORATION COMPANY, LIMITED

8405-003

N.T.S. _____

DATE April 26/84

noranda
Noranda Exploration Company, Limited
Unit 3A
Prince George, B.C. V2N 1X3
1750 Quinn Street
(604) 562-0022

Creek

Re Geochem.

SAMPLE REPORT

		ION	TYPE	WIDTH	Cu	Zn	Pb	Au	Ag			SAMPLED BY
	(1st outcrop)											
06427	CR-2-5	f.g. grey bleached hornfels? in fracture filling sulphide py-Po ~~actinolite~~ actinolite clots - and veinlets - slightly magnetic	grab									
06428	SP-T	Grey. siliceous rock? w. hornfels & clots of Po + Magnetite - Hematite dark pyroxene clots.										
06429	CS-4	Similar to above only with pyrite veinlets 1cm wide										

CBC 40
ROCK 8405-003

CBC 40
Rock 8405-003

Rush!

NORANDA GEOCHEM LABORATORY

RECEIVED JUN 18 1984

LOCATION "Rozek" PROJECT 40 COLLECTOR RMc DATE RECEIVED June / 4 / 84 CODE 8406-018 SHEET 1

MATERIAL Silt-Soil DATE ANALYSED June/12/84 ANALYST RF

REMARKS Cu, Zn, Pb, Ag, As in p.p.m Au in ppb

0.2g/2ml $HClO_4$:HNO_3 → 5ml 10g/aqua Regia - MIBK/AA

T.T. NO.	SAMPLE NO.		Cu	Zn	Pb	Ag	As	Au								
57	14527		16	58	4	0.2	<2	10								
8	28		14	56	4	0.2	<2	10								
9	29		14	56	2	0.2	<2	10	(2.5)							
60	30		14	54	2	0.2	<2	10								
1	31		14	64	4	0.2	<2	10	(1.8)							
2	32		20	52	2	0.2	<2	10								
3	33		16	62	2	0.2	<2	10	(5.0)							
4	14535		12	58	4	0.2	2	10								
5	14534		36	40	2	0.2	<2	10								
6	36		14	54	2	0.2	<2	10								
7	37		16	68	2	0.2	<2	10								
8	38		20	78	4	0.2	<2	10								
9	39		10	52	2	0.2	<2	10	(5.0)							
70	14540		24	54	4	0.2	<2	10								

NORANDA GEOCHEM LABORATORY

LOCATION _____ PROJECT 40 COLLECTOR RMC DATE RECEIVED June/4-/84 CODE 8406-018 SHEET 1

MATERIAL RX DATE ANALYSED June/18/84 ANALYST RF

REMARKS Au in ppb

0.2g/4ml HClO4:HNO3 → 10ml 10g/Aqua Regia-MIBK/AA

T.T. NO.	SAMPLE NO.		Cu	Ag		Au									
36	14501		50	0.2		10									
7	02		70	0.2		10									
8	03		64	0.2		10									
9	04		42	0.2		10									
40	05		18	0.2		10									
1	06		78	0.2		10									
2	07		82	0.2		10									
3	14508		42	0.2		10									
44	14511		250	0.2		10									
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

H,O⁻

NORANDA GEOCHEM LABORATORY

RECEIVED JUL 23 1984

LOCATION ROZEK PROJECT 40 COLLECTOR R.M. DATE RECEIVED July / 10 / 84 CODE 2407-030 SHEET 1

MATERIAL SOIL DATE ANALYSED July / 19 / 84 ANALYST R.I.

REMARKS Cu, Zn, Pb, Ag, Mo, As in ppm Au in ppb.

1.0 g / 2 mL HNO3 : HClO4 → 5 mL 10 g / Aqua Regia : MIBK / Au

T.T. NO.	SAMPLE NO.		Cu	Zn	Pb	Ag	Mo	As			Au				
1	CHECK NL-5		24	68	68	1.4	8	56							
2	14601		10	140	6	0.2	< 2	< 2							
3	02		14	98	8	0.2	< 2	< 2							
4	03		16	130	16	0.2	< 2	26							
5	04		14	150	8	0.4	< 2	8							
6	05		14	96	2	0.2	< 2	< 2							
7	06		40	68	4	0.2	< 2	2							
8	07		20	100	4	0.2	< 2	< 2							
9	14608		22	120	10	0.8	< 2	< 2							

NORANDA GEOCHEM LABORATORY

RECEIVED
JUL 23 1984

LOCATION _____ PROJECT 40 COLLECTOR RHC DATE RECEIVED July / 10 / 84 CODE ~~3407-631~~ SHEET 1

MATERIAL Soil DATE ANALYSED July / 19 / 84 ANALYST C.F.

REMARKS Cu. Zn Pb Ag Mo As in ppm Au in ppb

0.2 g/7 mL HCl:DI:HNO3 → Soil (10 g/Aqua-Regia-MIBK/DD.

T.T. NO.	SAMPLE NO.		Cu	Zn	Pb	Ag	Mo	As			Au				
10	14540		24	240	14	0.4	< 2	18							
1	41		16	40	4	0.2	< 2	< 2							
2	42		22	110	20	0.2	< 2	30							
3	43		70	290	12	0.2	< 2	22							
4	44		26	100	10	0.2	< 2	30							
5	45		48	200	8	0.2	< 2	30							
16	14546		92	250	6	0.2	< 2	26							

NORANDA EXPLORATION COMPANY, LIMITED

Central District

Sheet 1 of 1

Lab Code

RECORD OF SAMPLE TRANSMITTAL

Date Shipped: July 9 / 84

Date Received:

Shipped Via: Greyhound

No. of Cartons: 1

No. of Samples: 16

Geologist: MacArthur

Date:

NORANDA EXPLORATION COMPANY, LIMITED
P.O. BOX 2380
1050 DAVIE STREET
VANCOUVER, B.C.
V6B 3T5

MATERIAL:
- [x] SOIL
- [ ] SILT
- [x] ROCK

Project "Rozek" No.

SAMPLE NOS./COORDS. FROM/LINE	TO/STATION	N.T.S. NOS.	G.C.I. NOS.	ADD ELEMENT	SAMPLE NOS./COORDS. FROM/LINE	TO/STATION	N.T.S. NOS.	G.C.I. NOS.	ADD ELEMENT
14601	(Rozek	96G)							
14602	" "	61284F)		Soils					
14603	" "	61284K)		Cu, Pb, Zn, Mo, Ag, As					
14604	" "	61384G)							
14605	" "	61484H)							
14606	" "	61484F)							
14607	" "	61484K)							
14608	" "	61484L)							
14609	(Rozek	61284A)							
14610	" "	61284E)		Rocks					
14611	" "	61284C)							
14612	" "	61284M1)		Ag, Mo, As					
14613	" "	61284M2)							
14614	" "	61284N)							
14615	" "	61484KR)							
14616	" "	61484N-2K)							

Results Rec'd

ANALYTICAL INSTRUCTIONS

ALL SAMPLES: (Cu, Pb, Zn, Mo, Ag) ☐

(Cu, Pb, Zn, Mo, Ag) +___+___ ☐

(Cu, Pb, Zn, Mo, Ag) + AS NOTED ☐

SPECIAL INSTRUCTIONS OR REMARKS:

RESULTS TO:

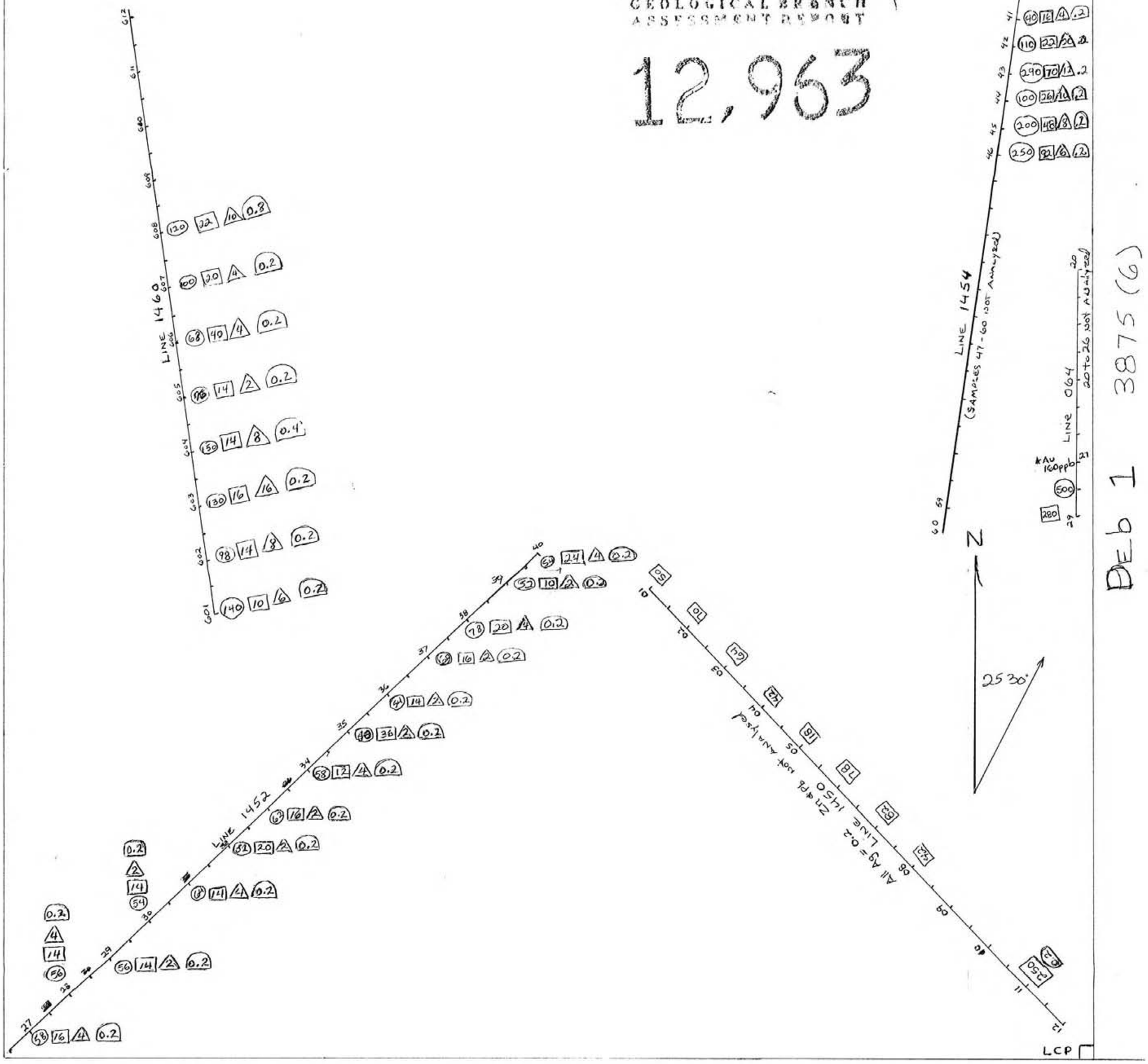
13227

FIELD COPY

PEM 554 (3)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,963



Δ
Mt Davidson

0 — 1 cm = 50 M — 500

DAVE MINERAL CLAIM
#5598

SYMBOLS

Cu □
Zn ○
Pb △
Ag ▢

Figure within symbol indicates ppm

DEB 1 3875 (6)