

84-#877 - #12946
10/85 l.

TITLE PAGE

Prospecting and Sampling Report
for

Sint M.C. rec. no. 1605-18 units

Sint Fr. rec. no. 1609- 1 unit

A supplementary Notice to Group has been filed to group these claims as part of the North Group which includes Piu M.C., Piu Fr., Yard M.C. and Yard Fr.

Clinton Mining Division

Map 92P2w

Latitude 51°11.5'

Longitude 120°53'

Owner, operator, author of report- Michael Dickens

Submitted 10 October, 1984

GEOLOGICAL BRANCH
MINING DIVISION REPORT

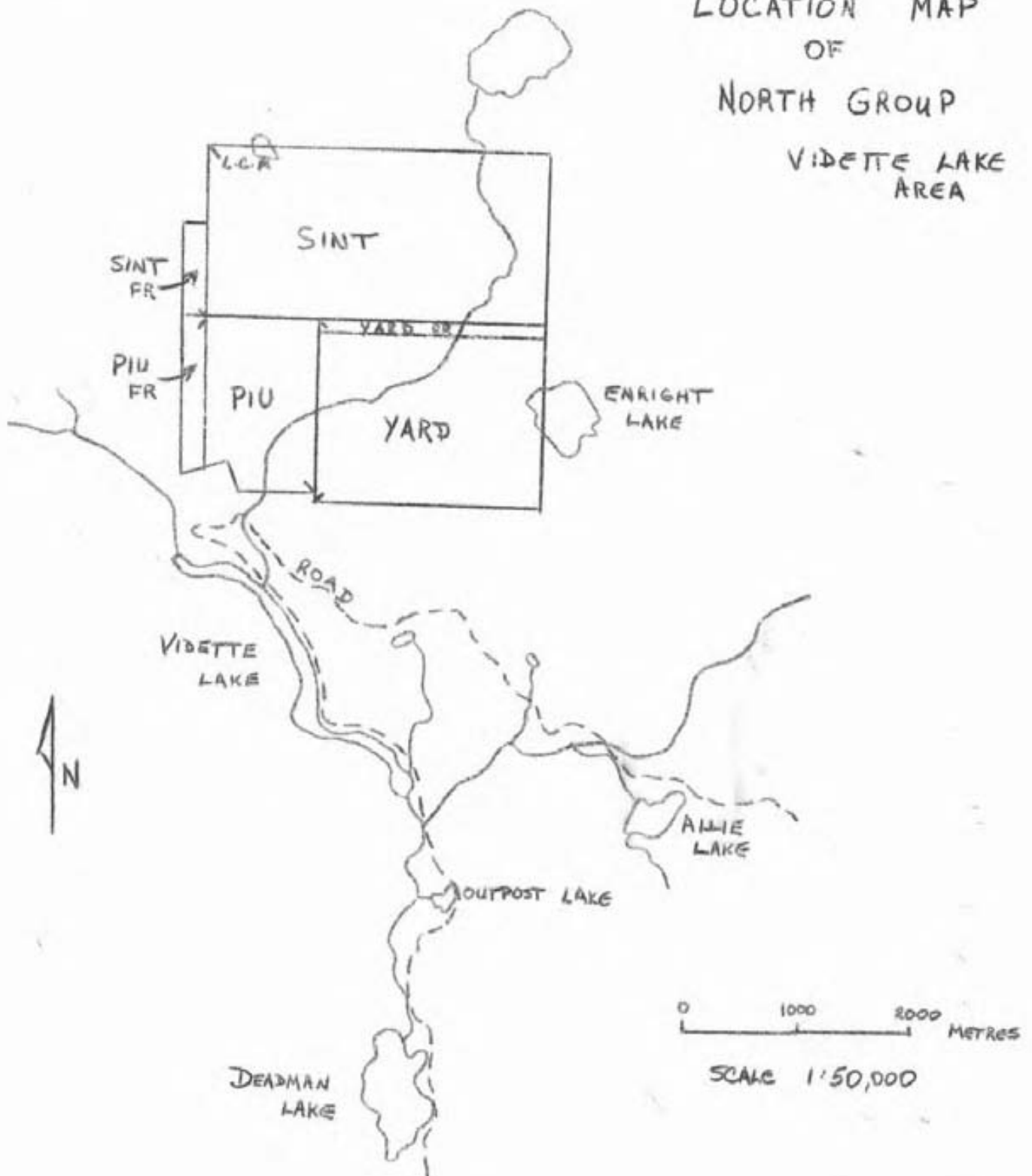
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LOCATION MAP
OF
NORTH GROUP

VIDETTE LAKE
AREA



INTRODUCTION

The North Group of mineral claims consisted of the following claims and fractions:

Piu M.C. - 6 units - rec. no.	1483
Piu Fr. 1	1608
Yard M.C. 12	1484
Yard Fr. 1	1607

A supplementary Notice to Group has been filed to include the Sint M.C. and Sint Fr. for a total of 36 units and 3 fractions.

The claim group is located about 1½ km. NE of the north end of Vidette Lake. Access to the claims is provided by a gravel road which runs north along the Deadman River valley for some 45 km. to Vidette Lake from a turn-off on the Trans-Canada Hwy. about 6 km. west of Savona.

The claims were staked to cover an area of chalcedonic quartz veins and silicification which appears to be part of an epithermal hydrothermal system in Triassic Nicola volcanics. At least part of the claimed area has been held by previous operators but to my knowledge there is no record of prior work or awareness of this particular area of interest.

Sophisticated exploration techniques will be required to fully explore the economic potential of the claims due to the relatively flat terrain and extensive areas of glacial drift and plateau basalt which form a thin cover over the Triassic rocks of interest.

WORK SUMMARY

A. Prospecting

Eight days were spent prospecting on the Yard M.C., Piu M.C. and the Piu Fr. between 21 May and 27 August, 1984. East to west traverses were made at 200 metre intervals from the southern perimeter of the claims. A map of the rock units noted is on the following page.

Description of rock units:

1. Granodiorite or quartz monzonite--this rock outcrops in several areas on the property along a NW trend as shown on map. The intrusions are probably Triassic-Early Jurassic in age and relate in some way to the Thuya Batholith to the north and northeast.
2. Nicola andesite, andesite tuff--the intrusion of unit 1 into these volcanics has created a metamorphic halo of hornfelsed and skarnified tuffs and andesites. These rocks contain pyrite (up to 2%) with local garnet and minor chalcopyrite and molybdenite. Several quartz-carbonate veins occur in this unit over varying widths (4 cm. to 1 m.) but none were well-mineralized.
3. Nicola andesite--this unit has been pervasively propylitically altered with pyrite, hematite, chlorite, epidote and minor quartz and calcite veining. Similar rocks were the host for the gold-quartz veins of the former Vidette Gold Mines 1 km to the southwest.
4. Nicola augite andesite porphory--is a very coarse-grained unit that also exhibits propylitic alteration features. Locally pyrite is from 5-10% of the rock.
5. "Silica caps"--due to the intense alteration and silica introduction it is not clear whether these rocks were originally unit 4 or

part of some other non-outcropping formation. It appears that bleached and altered rocks were brecciated and then almost completely silicified with fine-grained silica. Following this event the rocks were cut by at least 3 ages of randomly oriented chalcedony veinlets up to 1.5 cm. in width. Minor calcite and pale green and purple fluorite veinlets also cut the silicified rocks.

6. Plateau basalt and drift-the Tertiary basalts and glacial drift are extensive and make the tracing out of individual units impossible.

B. Rock Sampling

15 rock samples were collected from 3 main outcrops of "silica cap" and sent to Acme Analytical Laboratories Ltd. of Vancouver. Samples were run for gold as well as a 30 element ICP analysis.

ICP procedure-a .500 gram sample is digested with 3ml. of 3-1-3

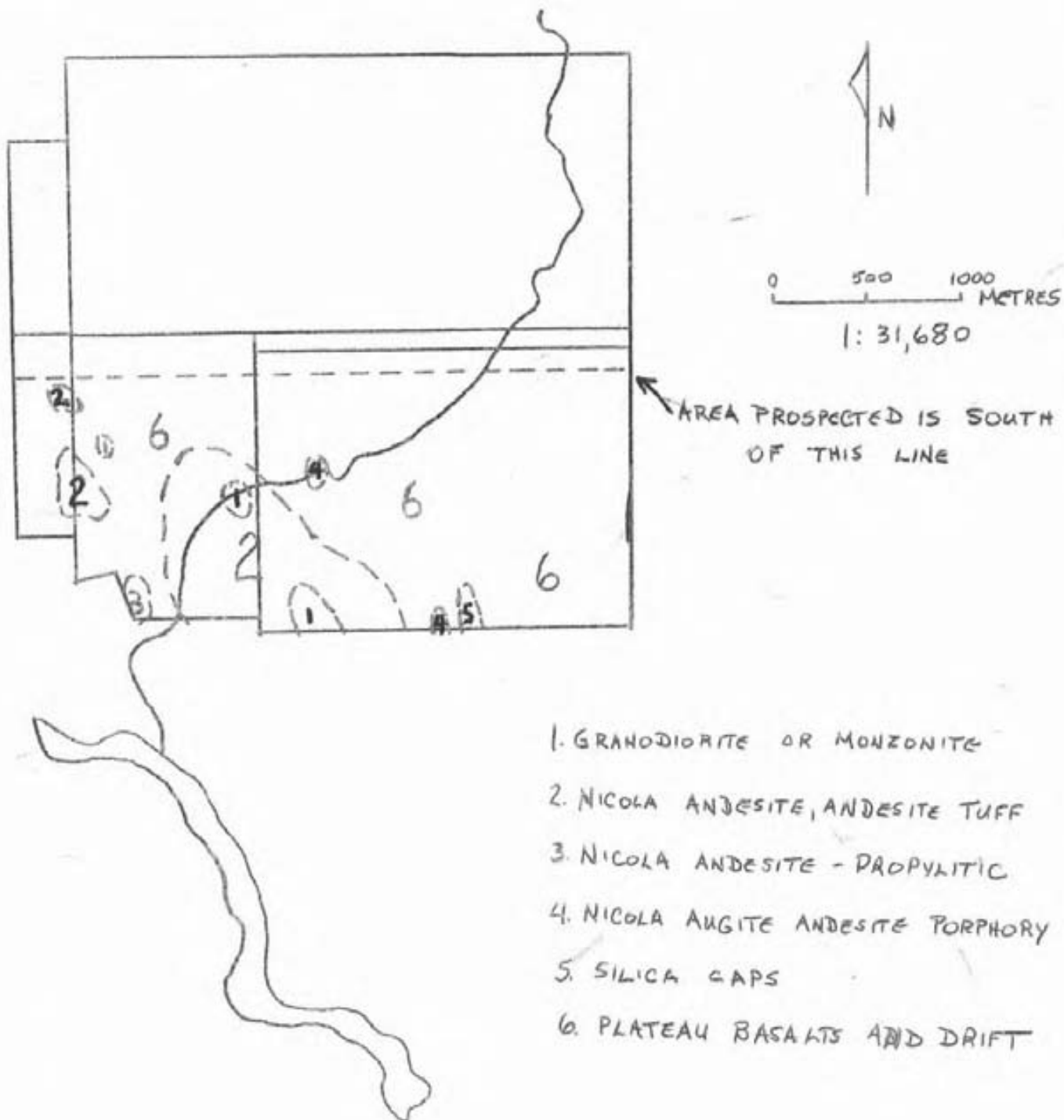
HCL-HNO₃-H₂O at 95°C for 1 hour and is diluted to 10ml. with water.

This leach is partial for Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr and B.

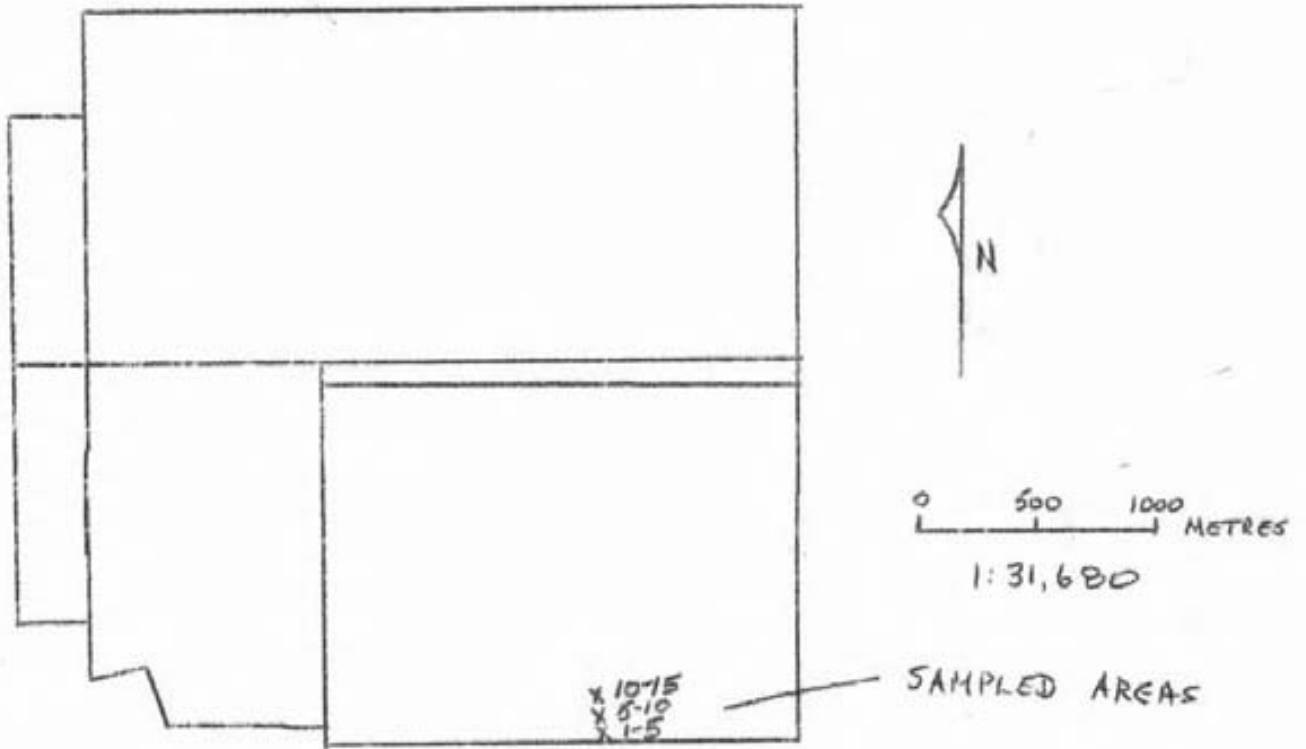
Gold analysis- by AA from a 10 gram sample.

Sample results reveal low but anomalous gold and silver. Molybdenum values are rather high-especially since no molybdenum minerals or stain was observed in the samples.

GEOLOGY (NORTH GROUP)



SAMPLE LOCATIONS



ICP GEOCHEMICAL ANALYSIS

SAMPLE No.	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm As	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm Al	% Na	% K	% W	ppm Au	
1	92	35	5	25	.9	12	10	309	2.69	56	2	2	25	1	2	2	63	1.36	.04	2	16	.38	38	.01	4	.97	.01	.20	2	43
2	90	12	3	12	1.4	7	3	152	1.01	16	2	2	7	1	2	2	32	1.25	.01	2	19	.21	59	.01	3	.63	.01	.16	2	24
3	11	22	6	27	.3	11	6	284	1.60	18	2	2	15	1	2	2	42	.72	.02	2	42	.46	37	.01	4	.73	.01	.07	2	6
4	7	26	3	28	.2	12	7	346	1.89	17	2	2	15	1	2	2	39	.40	.02	2	27	.41	73	.01	5	.77	.01	.13	2	14
5	23	29	3	27	.8	10	5	271	1.49	16	2	2	21	1	2	2	59	1.62	.02	2	35	.51	51	.01	4	1.32	.01	.29	2	15
6	66	36	2	29	.9	12	12	375	2.31	44	4	2	19	1	3	2	73	1.14	.03	2	33	.61	39	.01	3	1.25	.01	.18	2	24
7	223	24	1	12	4.2	7	5	130	1.35	43	2	2	8	1	4	2	42	.80	.01	2	30	.28	99	.01	2	.81	.01	.15	2	52
8	59	7	4	6	2.1	3	2	118	.52	11	3	2	32	1	2	4	19	8.10	.01	2	13	.11	874	.01	20	.60	.19	.18	3	20
9	61	16	1	16	1.6	9	5	154	1.31	21	2	2	6	1	2	3	46	.69	.01	2	32	.31	27	.01	4	.78	.01	.14	2	19
10	64	4	1	10	.4	6	3	129	.95	13	2	2	5	1	2	2	17	.23	.01	2	24	.17	34	.01	3	.31	.01	.05	2	7
11	9	22	1	31	.2	10	7	319	1.46	18	2	2	20	1	2	2	38	.79	.02	2	28	.40	32	.01	3	.61	.01	.09	2	6
12	11	26	6	44	.2	11	8	501	1.73	19	2	2	17	1	2	2	49	.74	.01	2	37	.47	74	.01	3	.83	.01	.10	2	8
13	261	16	6	10	1.5	7	4	158	1.13	13	2	2	6	1	3	2	38	.60	.07	2	24	.26	49	.01	0	.79	.01	.14	2	40
14	132	23	4	10	5.1	5	4	127	.97	24	2	2	41	1	2	2	35	8.90	.02	2	23	.22	1179	.01	184	1.07	.25	.35	2	66
15	113	18	3	11	2.2	6	3	159	.95	35	2	2	10	1	3	2	31	1.80	.02	2	37	.21	77	.01	2	.71	.01	.21	4	50

STATEMENT OF EXPENDITURES

Prospecting claim 8days @ \$200.00/day	\$ 1600.00
4x4 truck rental	275.00
gasoline	125.00
Assay costs 15 samples @ \$12.75	191.25
Misc. costs-food,flagging,topofil etc.	125.00
TOTAL COSTS	<u>\$ 2316.25</u>

STATEMENT OF QUALIFICATIONS

I have been a prospector in B.C. since 1972. For the past 7 years I have been self-employed as a full-time prospector. Although I have not had formal education in geology I have studied several textbooks on the subject as well as many government reports and publications describing regional and local geology throughout B.C.