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M.R. #
VICTORIA, B.C.

PROSPECTING REPORT
OF
JUNIPER CLAIMS

LOG NO: 12-20	RD.
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,093

GENERAL NATURE OF REPORT

This report includes all prospecting that was completed on specified claims during the 1989 season. 22 man days of prospecting was carried out searching for and sampling carbonate alterations and quartz veins.

CLAIMS INVOLVED

Juniper 1, Juniper 2, and Juniper 3.

MINING DIVISION

Liard

SPECIFIC N.T.S. LOCATION - 104 - P - 3

Latitude	59°11' to 59°14'
Longitude	129°26' to 129°31'

OWNER OF CLAIMS

John Telegus (Juniper 1)
James Green (Juniper 2 and 3)

OPERATOR

John Telegus

AUTHOR

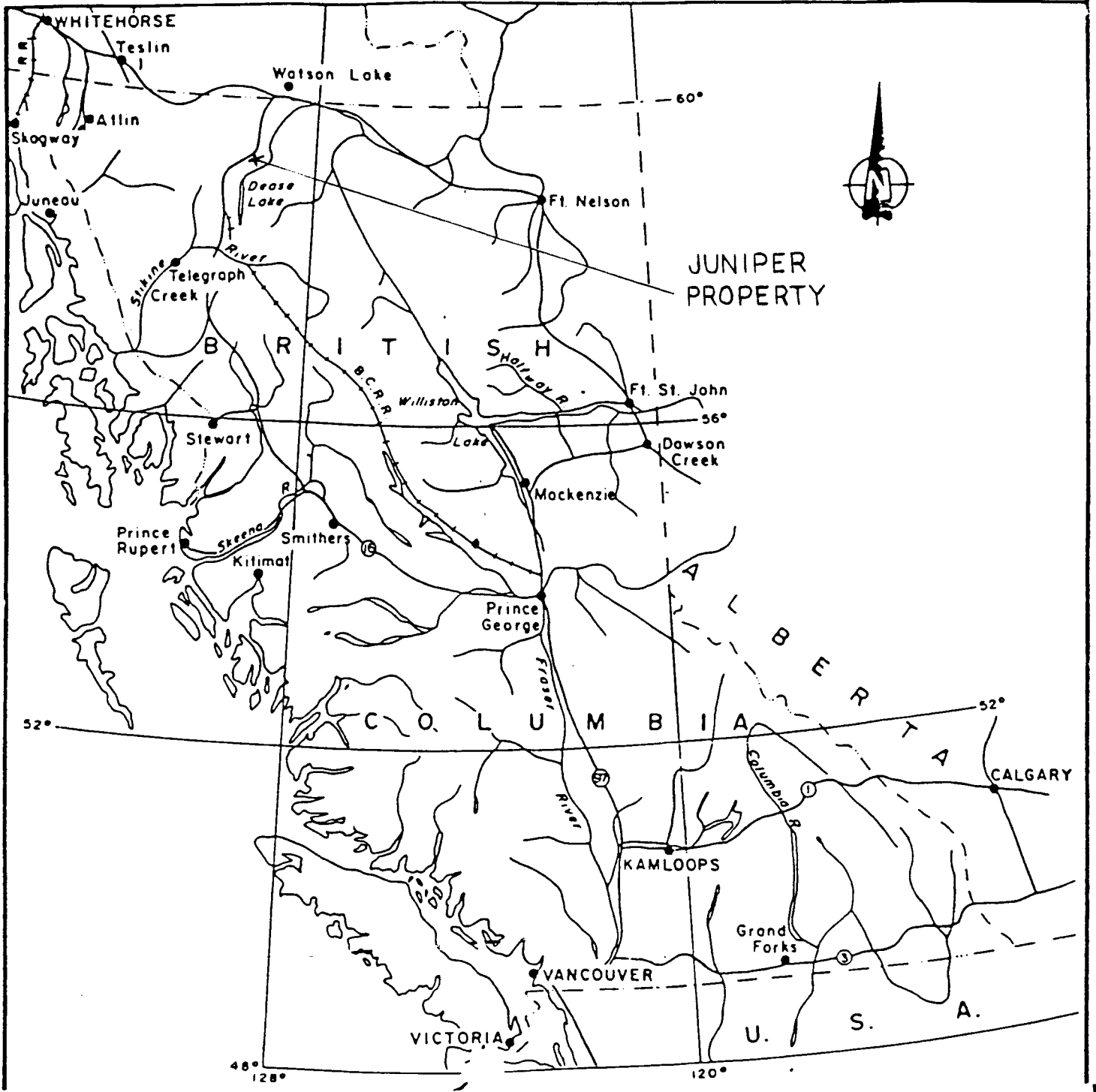
John Telegus

DATE SUBMITTED

June 29, 1990

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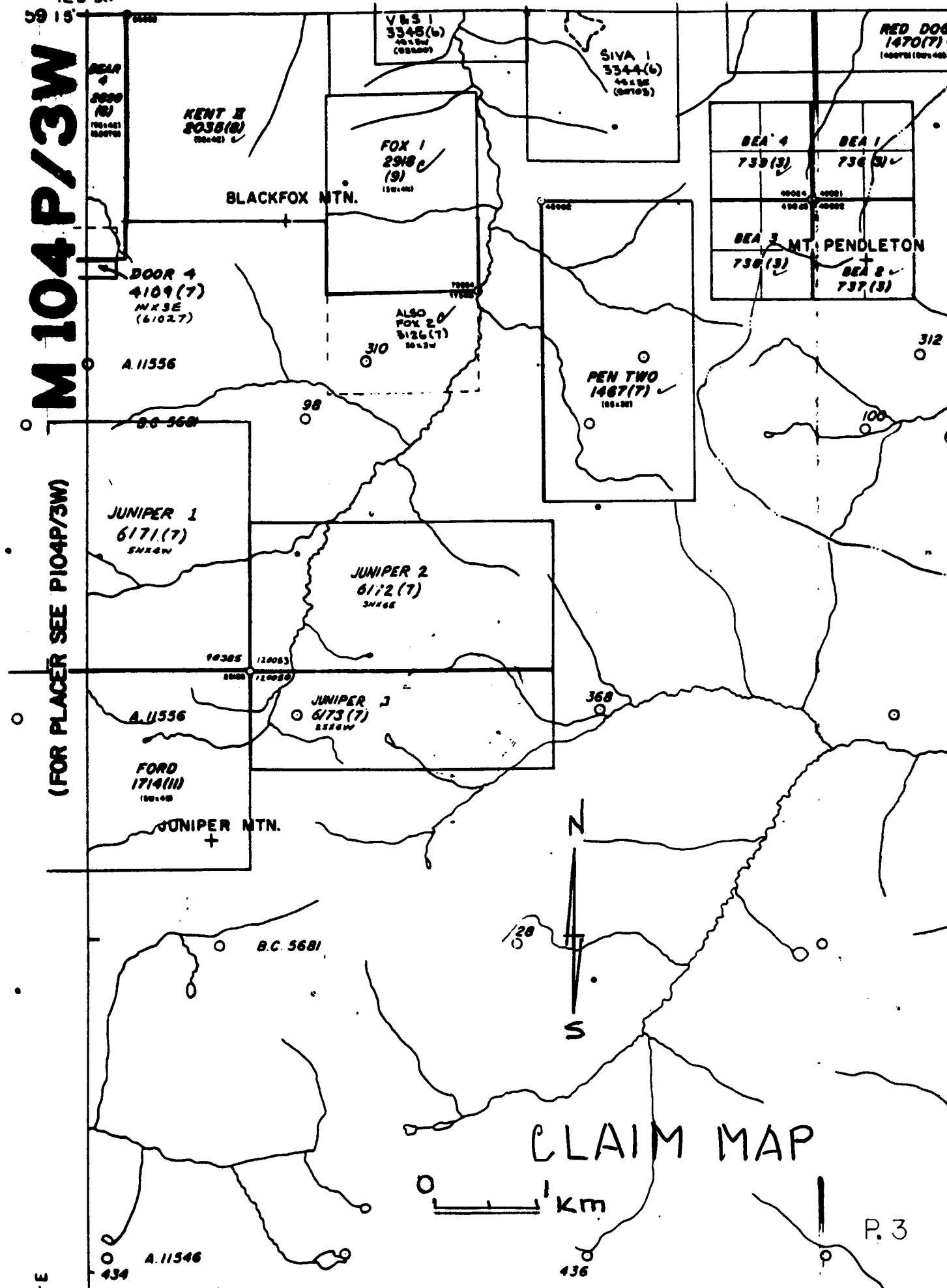


LOCATION MAP

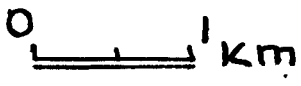
129 30
59 15

M 104P/3W

(FOR PLACER SEE P104P/3W)



CLAIM MAP



LOCATION

N.T.S. 104 - P - 3
LAT. 59°9 - 59°12'
LONG. 129°24 - 129°31'

The Juniper Claims are located 25 kms southeast from the town of Cassiar, along the eastern perimeter of the Erickson Claims. The claims can be accessed directly by helicopter from Dease Lake and Watson Lake. On the Erickson Claims a 12 km mining road runs from the Cassiar Highway to Huntergroup Creek ending 1.5 kms west of Juniper 1 claim.

CLAIM DESCRIPTION

In 1989 three claims Juniper 1, 2, and 3 were staked comprising of 50 units. A single legal corner post was used for all three four post claims.

TOPOGRAPHY

The claims spread over three mountains north of Juniper Mountain. Elevations from valley floor to mountain peaks vary between 4000 and 6000 feet. Most of the vegetation tapers off at 4500 feet leaving the claims barren along the slopes and ridges.

HISTORY OF AREA

To the west and northwest of the Juniper Claims lies the Erickson-Taurus system. They comprise of steeply and shallowly dipping auriferous quartz veins and are generally striking east to northeast. The steeply dipping veins are hosted within sheared basalts and the shallowly dipping veins occur along the thrust plane between ultramafics and argillites. These structures and crosscutting structures are described to represent major crustal breaks which have served as conduits for the auriferous solutions and dilatant zones for trapping gold in mesothermal-type deposits.

Carbonatization, silicification, and iron enrichment are the most pervasive alteration features adjacent to auriferous quartz veins. The alteration zone normally extends less than 15 meters outward from the vein. Copper, lead, zinc, antimony and silver are enriched in carbonate alteration envelopes surrounding auriferous quartz veins and occur in minerals associated with gold.

The mineralogy of these mesothermal deposits consists of sulphides in white quartz veins. Pyrite is the most abundant sulphide, followed by minor amounts of tetrahedrite, arsenopyrite, chalcopyrite, sphalerite, and sometimes galena. Free and disseminated gold can be found in quartz or with sulphide grains.

The closest mineral occurrence to the Juniper Claims is located 2 kms west near Huntergroup Creek. A north-trending shear zone contains northeasterly trending quartz veins to one meter wide. Erratic gold values up to 6.9 g/t have been reported.

- * To date, Erickson Gold Mining Corporation's production has totalled 540,000 tons grading 0.455 opt. Au and 0.33 opt. Ag.

NOTE: Two papers were written about the geology and mineral deposits in the Cassiar and Mcdame map areas.

- Geological Fieldwork 1986 (2.9) page 57
- Geological Fieldwork 1988 (1-34) page 323

GEOLOGY

The claims are located inside the Sylvester Allochthon which is composed of volcanic, sedimentary and ultramafic complexes. More specifically the area staked consists of volcanic-sedimentary sequences trending to the northwest. They are composed of basalt, tuff and sedimentary type rocks of sandstone, siltstone and chert/argillite bedding.

PROSPECTING OBSERVATIONS

A traditional prospecting program was carried out on the Juniper Claims. This program consisted of sampling and mapping of carbonate alterations and their related country rock.

A large orange weathered carbonate alteration zone was discovered and prospecting was carried out around the perimeter. This alteration zone lays within basaltic rock along a steep incline. Nine samples were taken of mostly quartz veins. The best assay around the zone was at sample No. 4 (690ppm Cu). Several small carbonate zones were also found but seemed relatively insignificant. West of the large alteration zone along a creek two quartz veins and minor carbonate alterations were found. Sample No. 12 assayed 550ppm Cu.

On the northeast part of the Juniper Claims samples 19 and 22 assayed with copper values of 342 and 216ppm Cu. Sample 22 carried some minor pyrite sulphides in basalt.

The northwest corner of the Juniper Claims has basaltic rock along the mountain ridge. The best gold value was sample No. 28, a quartz vein assayed 110ppb Au.

SAMPLES COLLECTED

Twenty-six rock samples were collected from the Juniper Claims. Carbonate alterations and quartz veins were the major factors in the collection of these samples;

SAMPLE IDENTIFICATION

1. Quartz vein (2 meters wide)
2. Quartz vein, small
3. Carbonate alteration in basalt
4. Small quartz vein
5. Small quartz vein
6. Basalt with carbonate alteration
7. Basalt with carbonate alteration
8. Quartz vein in carbonate alteration (1 meter)
9. Quartz vein in carbonate alteration (2 meters)
10. Basalt with carbonate alteration
11. Quartz vein (2 meters wide)
12. Small quartz vein with carbonate alteration
13. Quartz vein in tuff
14. Carbonate alteration in tuff
15. Small quartz vein
16. Quartz vein in carbonate alteration (2 meters wide)
17. Small quartz vein
18. Quartz vein (3 meters wide)
19. Small quartz vein
22. Basalt with carbonate alteration
23. Quartz vein (3 meters wide)
24. Small quartz vein
25. Quartz vein (3 meters wide)
26. Quartz vein
27. Quartz vein
28. Quartz vein

CONCLUSION

Several samples analysed show anomalies that are characteristic of enrichment in carbonate alteration zones of potential auriferous quartz veins.

A detailed mapping program should be carried out to better define areas of sedimentary and ultramafic rocks capable of trapping fluids potentially rich in gold. Further sampling should be carried out where carbonate alterations converge with dilatent zones.

	UNITS	WT.G	ATTACK USED	TIME	RANGE	METHOD
AG	PPM	0.5	HCLU4/HNO3	4HRS	0.2-20	A.A. BACKGROUND CUR
AS	PPM	0.5	AQUA REGIA	3HRS	2-2000	DC PLASMA
AU1	PPB	10.0	AQUA REGIA	3HRS	5-4000	A.A. SOLVENT EXTRACT.
CU	PPM	0.5	HCLU4/HNO3	4HRS	2-4000	ATOMIC ABSORPTION
MO	PPM	0.5	HCLU4/HNO3	4HRS	1-1000	ATOMIC ABSORPTION
PB	PPM	0.5	HCLU4/HNO3	4HRS	2-3000	A.A. BACKGROUND COR.
SB	PPM	0.5	HCL/HNO3	3HRS	2-2000	DC PLASMA
ZN	PPM	0.5	HCLU4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION

GRID	SAMPLE	PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM
104P	J&J	1 9508	<0.2	23	<5	92	3	<2	2	29
104P	J&J	2 9508	<0.2	18	<5	38	3	4	<2	12
104P	J&J	3 9508	<0.2	111	<5	48	6	2	15	23
104P	J&J	4 9508	0.8	9	<5	690	12	32	<2	40
104P	J&J	5 9508	<0.2	<2	<5	9	2	7	<2	38
104P	J&J	6 9508	<0.2	12	<5	70	<1	6	2	60
104P	J&J	7 9508	<0.2	17	5	4	<1	3	<2	24
104P	J&J	8 9508	<0.2	5	15	7	4	<2	3	16
104P	J&J	9 9508	<0.2	<2	20	20	3	5	<2	12
test	STD P1	9508	0.3	19		22	48	53	4	118
104P	J&J	10 9508	<0.2	<2	<5	47	5	5	<2	30
104P	J&J	11 9508	<0.2	13	<5	75	4	9	<2	36
104P	J&J	12 9508	<0.2	<2	<5	550	4	3	<2	31
104P	J&J	13 9508	<0.2	<2	<5	23	3	2	2	48
104P	J&J	14 9508	<0.2	<2	<5	4	3	3	<2	21
104P	J&J	15 9508	<0.2	<2	<5	9	4	4	<2	26
104P	J&J	16 9508	<0.2	123	<5	18	2	4	18	41
104P	J&J	17 9508	<0.2	3	<5	15	4	4	3	45
104P	J&J	18 9508	<0.2	<2	<5	39	5	8	<2	33
104P	J&J	18* 9508	<0.2	<2	<5	43	5	7	<2	34
104P	J&J	19 9508	0.6	4	10	342	9	<2	14	29
104P	J&J	20 9508	<0.2	34	<5	10	5	<2	<2	25
104P	J&J	21 9508	<0.2	69	<5	43	4	4	3	96
104P	J&J	22 9508	1.5	9	<5	216	3	14	<2	78
104P	J&J	23 9508	<0.2	4	10	24	4	6	<2	31
104P	J&J	24 9508	<0.2	42	5	4	7	3	<2	10
104P	J&J	25 9508	<0.2	<2	5		6	<2	<2	38
104P	J&J	26 9508	0.2	4	30	335	4	62	<2	72
104P	J&J	27 9508	<0.2	3	35	30	4	3	<2	39
104P	J&J	27* 9508	<0.2	3	30	30	4	3	<2	40
104P	J&J	28 9508	<0.2	38	110	33	5	10	2	6

COST STATEMENT

June 17, 1989 to August 16, 1989

PROSPECTING DAYS

John Telegus	11 days x \$100/day	1100.00
James Green	11 days x \$100/day	1100.00

FOOD AND ACCOMMODATION

Victoria to Dease Lake	115.74
Cassiar	110.60
18 days x \$40 per day	720.00
Dease Lake to Victoria	190.51

TRANSPORTATION

Victoria to Dease Lake	237.82
helicopter to Juniper Mountain	672.38
helicopter to Dease Lake	1100.25
Dease Lake to Victoria	249.51

SUPPLY COSTS	242.02
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SAMPLE ANALYSIS	695.00
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TOTAL	6533.83
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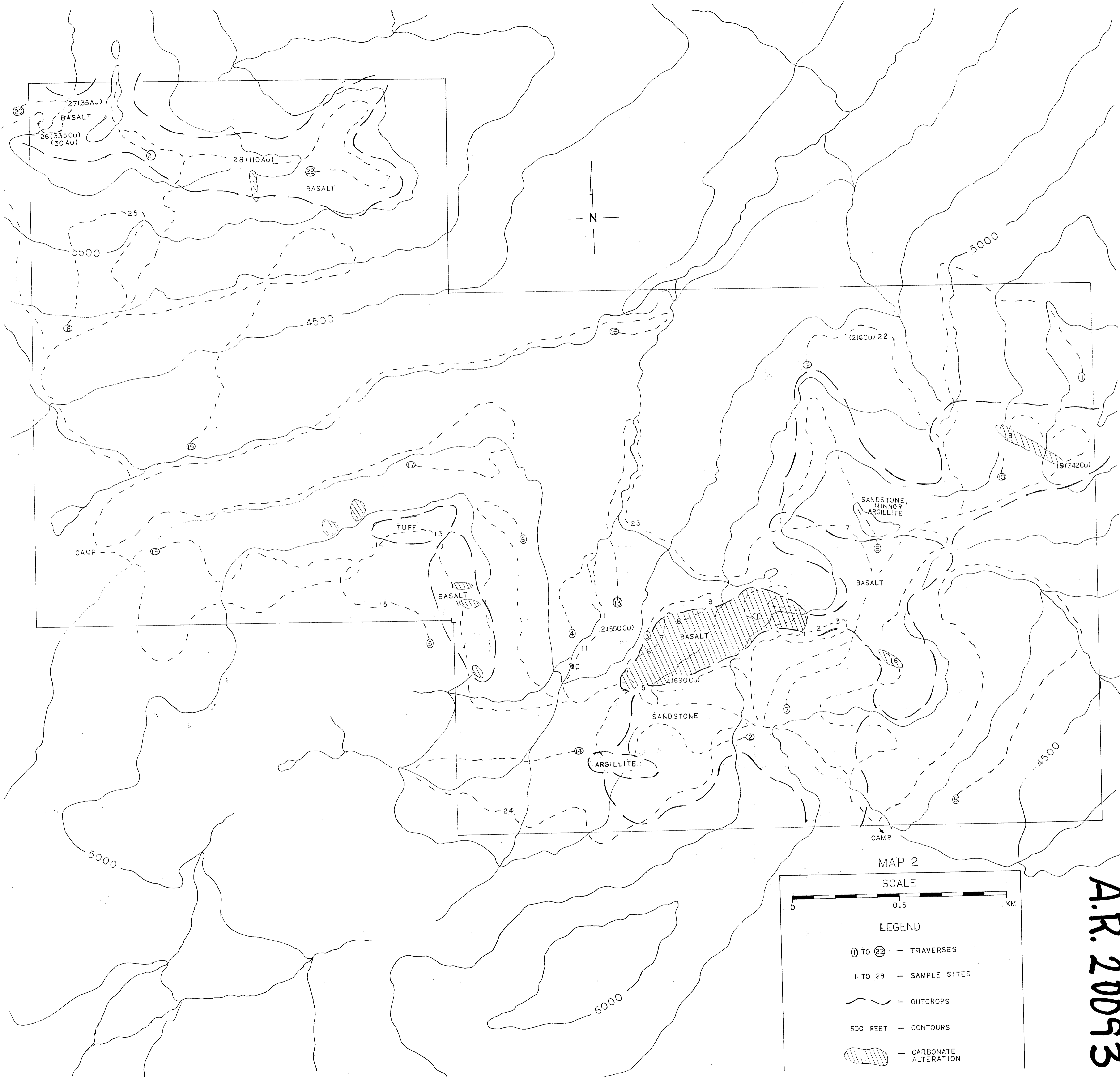
STATEMENT OF QUALIFICATIONS

I, John Telegus, of 38 Lewis Street, Victoria, B.C.
certify that:

- I have successfully completed;
 - i) basic prospecting coarse
 - ii) advanced prospecting coarse
 - iii) petrology coarse

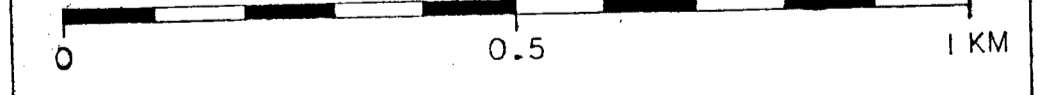
- I have been prospecting for 4 years with
over 12 months field experience.


John Telegus



MAP 2

SCALE



LEGEND

- ① TO ②② — TRAVERSES
- 1 TO 28 — SAMPLE SITES
- — — — — OUTCROPS
- — — — — 500 FEET — CONTOURS
- ▨ — CARBONATE ALTERATION

A.R. 20093