

84-#555 - #12479

A Geochemical and Geological Report

on the

WOOD CLAIMS, HORSEFLY, B.C.

CARIBOO MINING DIVISION

N.T.S. 93-A-03W

Latitude 52° 14' N

Longitude 121° 17' W

Owner and Operator: Placer Development Limited, Vancouver, BC

By W.S. Pentland **GEOLOGICAL BRANCH** July, 1984
ASSESSMENT REPORT

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INTRODUCTION

The WOOD 1 and 2 claims, totaling 40 units, are located 15 kms southwest of the village of Horsefly, B.C. in the Cariboo Mining Division. They are 8 kms northwest of Cossack Lake and immediately east of Woodjam Creek. The claims were staked in June 1983 on the basis of previous work done in the 1960's which indicated that low grade copper mineralization occurred in the area. It was thought there could be an association of gold with the copper.

The closest logging road lies 3.5 km to the northwest of the WOOD 1 claim. A helicopter was used for access to the property.

Slopes on the property are gentle to moderate with a maximum of 1200' change in elevation. The property overlies a broad hill peaking in the east central section and sloping downward to the south, west and north. The cover is moderate and consists mainly of lodgepole pine, balsam and spruce.

Outcrop on the property is quite limited and generally restricted to the central portion of the claims. Most of the overburden cover appeared to be glacial till.

Exploration work on the WOOD claims consisted of running four 2500 meter lines across the claims and collecting soil, stream and rock samples where applicable. Outcrops found on the lines were also noted.

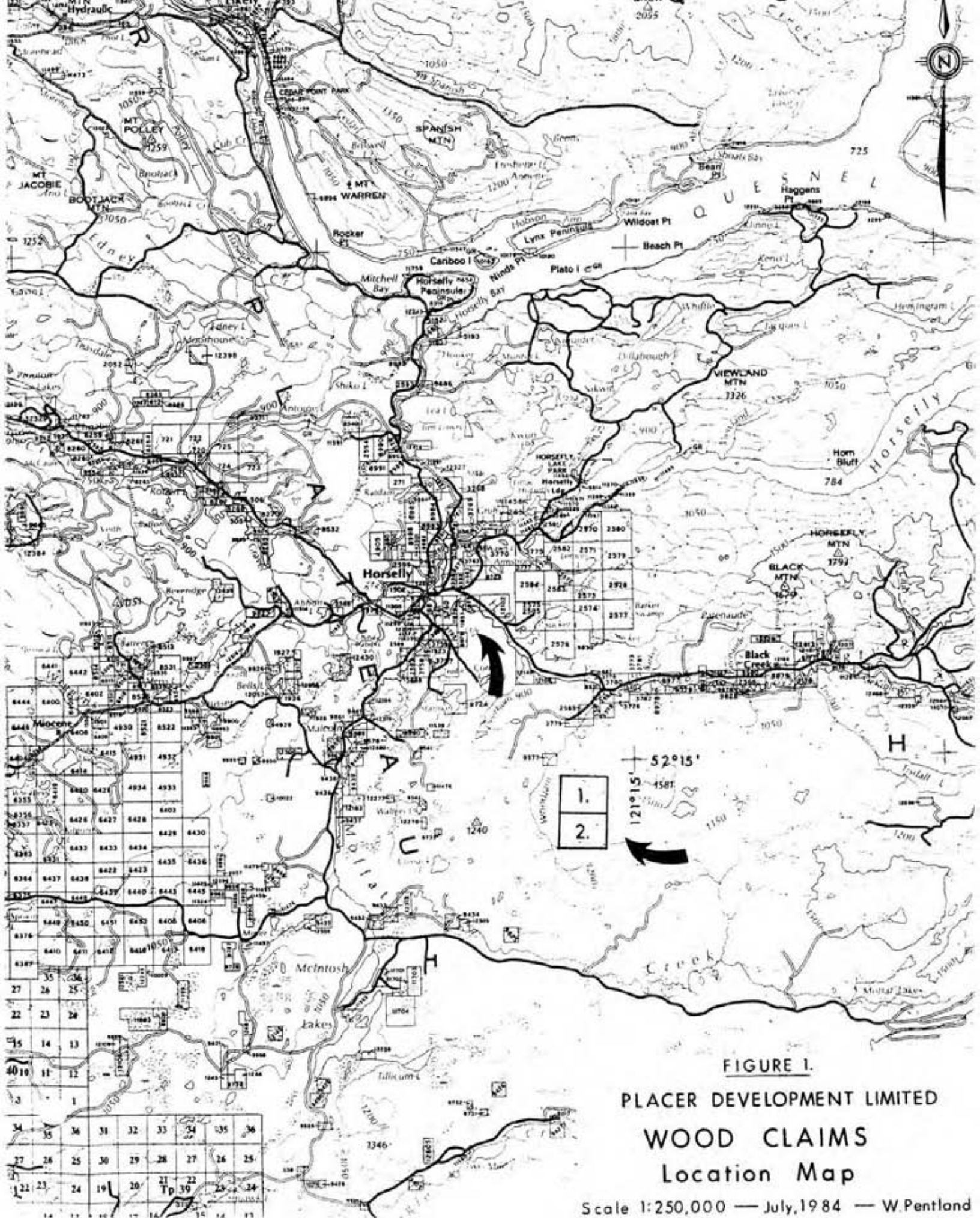


FIGURE 1.
 PLACER DEVELOPMENT LIMITED
 WOOD CLAIMS
 Location Map

Scale 1:250,000 — July, 1984 — W. Pentland

GEOLOGY (see Figures 2 and 3)

Mapping by the Geological Survey of Canada (O.F. 574) shows the WOOD 2 claim to be underlain by intrusive rocks corresponding to the TAKOMKANE batholith of Upper Triassic to Lower Jurassic age. Outcrops examined were composed of unaltered medium grained hornblende granodiorite.

The WOOD 1 claim to the north is mapped as Eocene and (?) Oligocene in age with most of the outcrops and float observed being a strongly magnetic basalt. One outcrop of volcanic sandstone and breccia was seen at the east end of line 132.

The airborne magnetics show a "high" on the Wood 2 claim with a corresponding "low" on the Wood 1 claim to the north. This is interpreted as a dipole effect and indicates that the overlying magnetic basalt is a thin layer on top of the intrusive.

SOIL SAMPLING PROGRAM

A total of 200 soil samples were collected at 50 m intervals on 4 lines 800 m apart. They were collected where possible from the "B" soil horizons but in some cases the soils were immature and the samples were a mixture of "B" and "C" horizons.

The samples were collected in Kraft paper bags and transported to the Placer Development Laboratory in Vancouver where samples of the -80 mesh fraction were geochemically assayed for gold, silver, copper and arsenic.

In addition to the soils four creek samples were collected and treated in similar fashion.

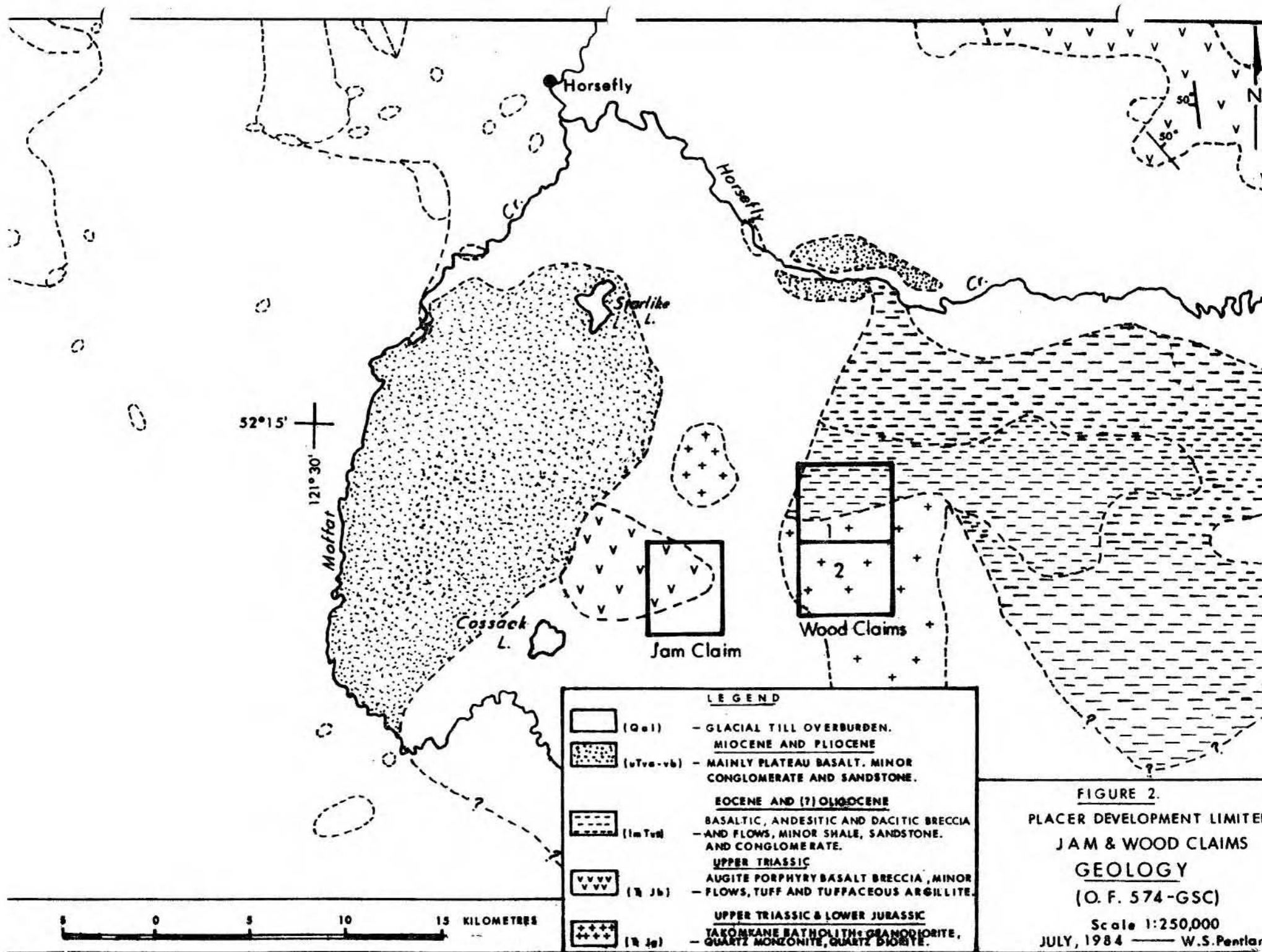


FIGURE 2.
 PLACER DEVELOPMENT LIMITS
 JAM & WOOD CLAIMS
 GEOLOGY
 (O. F. 574-GSC)
 Scale 1:250,000
 JULY, 1984 — W.S. Pentlar

SOIL SAMPLING RESULTS (see Figures 4 and 5)

The results for the elements gold, silver, copper and arsenic are very low and with the exception of a single soil value of 0.12 ppm Au show nothing that can be considered anomalous. While the line spread of 800 meters is too wide to permit a definite conclusion regarding the area all the evidence indicates a very low potential.

No further work is warranted at this time.



W.S. Pentland

WSP/dd
84.07.26

REFERENCES

- 1) Geology - O.F. 574 - Quesnel Lake
Geological Survey of Canada. 1964

- 2) Geology - Map 3-1961 - Quesnel Lake (west half)
Geological Survey of Canada. 1961

- 3) Airborne Magnetic Survey
Map 5234G Murphy Lake
Dept. of Energy, Mines and Resources. 1967

COST STATEMENT

1. *Labour - 4 men for 2 days	\$ 1,900.
2. Board and Room - 4 men @ \$50/man/day	400.
3. Helicopter - 2.8 hrs @ \$500/hour	1400.
4. **Assaying - 203 samples @ \$9.55/sample	<u>1,938.</u>
	TOTAL \$ 5,638.

* Labour - W. Pentland - Sr. Geologist	\$325./day
M. Gareau - Geologist	250./day
R. Boyce - Geologist	200./day
M. Chan - Student	150./day

** Assay Charges - Gold	- \$5.00
Silver	- .90
Copper	- 2.00
Arsenic	.90
Preparation	- .75

BP/dd
84.07.06

STATEMENT OF QUALIFICATIONS

I, W.S. Pentland, with a business address in Vancouver, British Columbia, and a residential address in Delta, British Columbia, hereby certify that:

1. I am a geologist graduating from the University of British Columbia, Vancouver, British Columbia, with a B.A. in 1951.
2. From 1951 to 1984, I have worked in mineral exploration in various parts of Canada.
3. I personally examined the area and have assessed the results of the work.

Respectfully submitted,

W. Pentland
W.S. Pentland

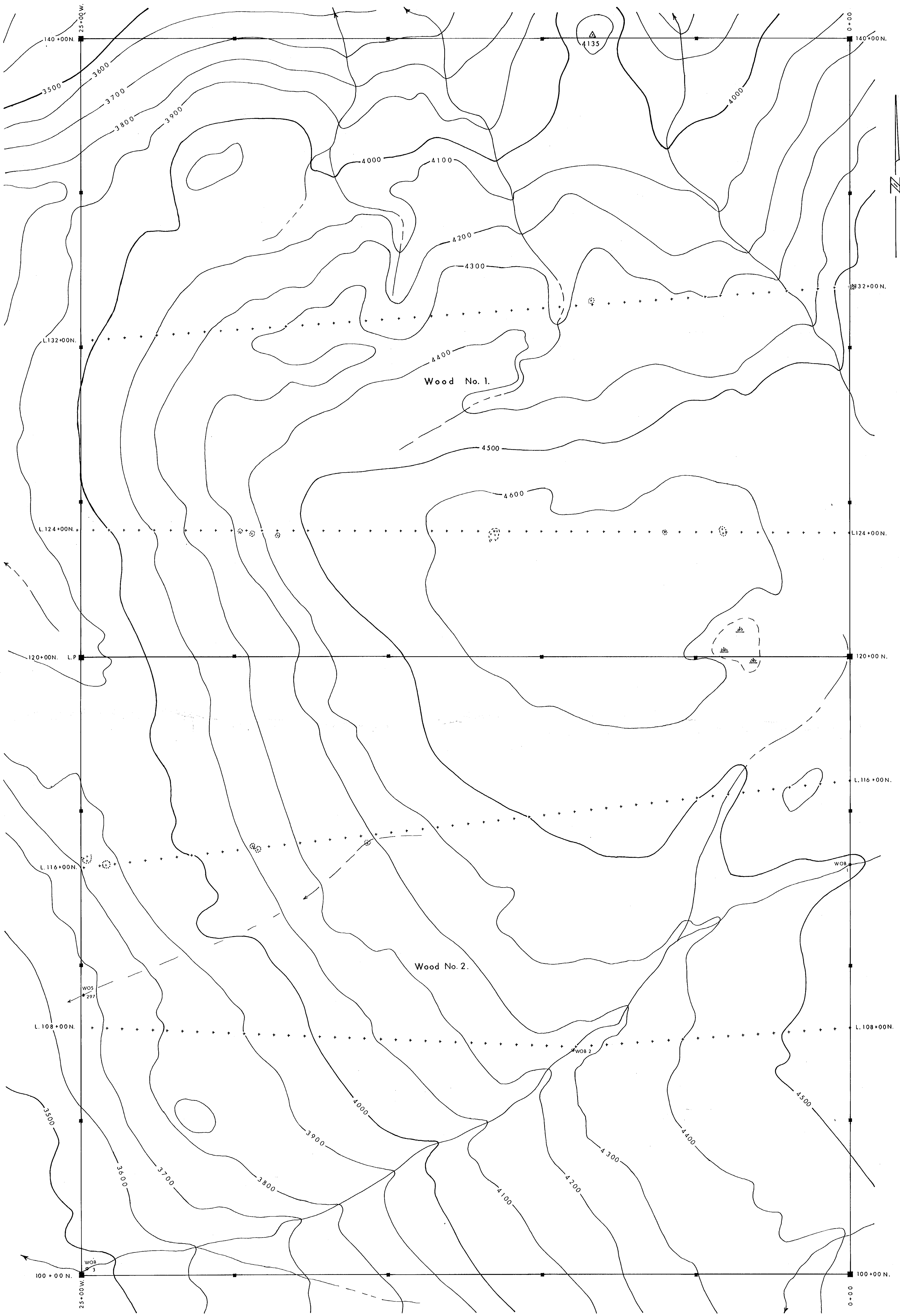
Dated this 25th day of July 1984,
Vancouver, British Columbia

4 APPENDIX






STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
 ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
 ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
 SAMPLE NUMBERS FOLLOWED BY * ARE DUPLICATE ANALYSES.

	UNITS	T.C	ATTACK USED	TIME	RANGE	METHOD
MO	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	ATOMIC ABSORPTION
CU	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	ATOMIC ABSORPTION
ZN	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	ATOMIC ABSORPTION
PPB	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	A.A. BACKGROUND COR.
CD	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	A.A. BACKGROUND COR.
NI	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	ATOMIC ABSORPTION
CO	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	1-10000	ATOMIC ABSORPTION
AG1	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	0.2-2000	A.A. BACKGROUND COR
AU	PPM	1.0	ALUA REGIA	2HRS	0.02-2.00	A.A. SOLVENT EXTRACT.
U	PPM	1.0	DIL HNO ₃	2HRS	1.0-10000	FLUORIMETRY SOLV. EX.
V	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	5-10000	ATOMIC ABSORPTION
W	PPM	1.0	C HF/HNO ₃ /HCL/H ₂ SO ₄	4HRS	5-5000	A.A. SOLVENT EXTRACT.
F	PPM	1.0	Na ₂ CO ₃ /KNO ₃ FUSION	30MIN	0.0-20000	SPECIFIC ION ELECTRODE
AS	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	2-10000	A.A. BACKGROUND COR.
SB	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	2-10000	A.A. BACKGROUND COR.
SI	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	2-20000	A.A. BACKGROUND COR.
NI	PPM	1.0	C HClO ₄ /HNO ₃	4HRS	2-10000	ATOMIC ABSORPTION
FE	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.02-10000	ATOMIC ABSORPTION
EG	PPM	1.0	DIL HNO ₃ /HCL	2HRS	5.0-20000	A.A. COLD VAPOR GEN.
BA	PPM	1.0	C HF/HI/OXALIC	4HRS	0.02-10000	ATOMIC ABSORPTION
MA	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.02-10000	ATOMIC ABSORPTION
N	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.02-10000	ATOMIC ABSORPTION
S	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	0.02-10000	ATOMIC ABSORPTION
S	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	10.0-10000	ATOMIC ABSORPTION
S	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	10.0-10000	ATOMIC ABSORPTION
S	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	10.0-10000	ATOMIC ABSORPTION
S	PPM	1.0	C HF/HClO ₄ /HNO ₃ /HCL	6HRS	10.0-10000	ATOMIC ABSORPTION
S	PPM	1.0	NH ₄ I FUSION	15MIN	1-5000	A.A. SOLVENT EXTRACT.
LOI	%	1.0	ASH ACC DEG C	2HRS	0.02-99%	WEIGH RESIDUE



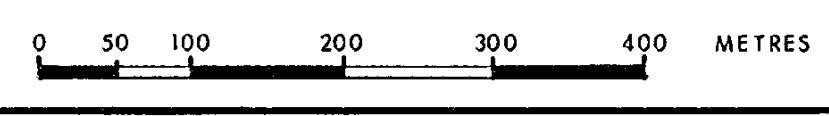
LEGEND

-  EOCENE AND (?) OLIGOCENE
-  VOLCANIC SANDSTONE AND BRECCIA
-  BASALT
-  UPPER TRIASSIC AND LOWER JURASSIC
-  TAKOMKANE BATHOLITH: GRANODIORITE, QUARTZ MONZONITE, QUARTZ DIORITE.

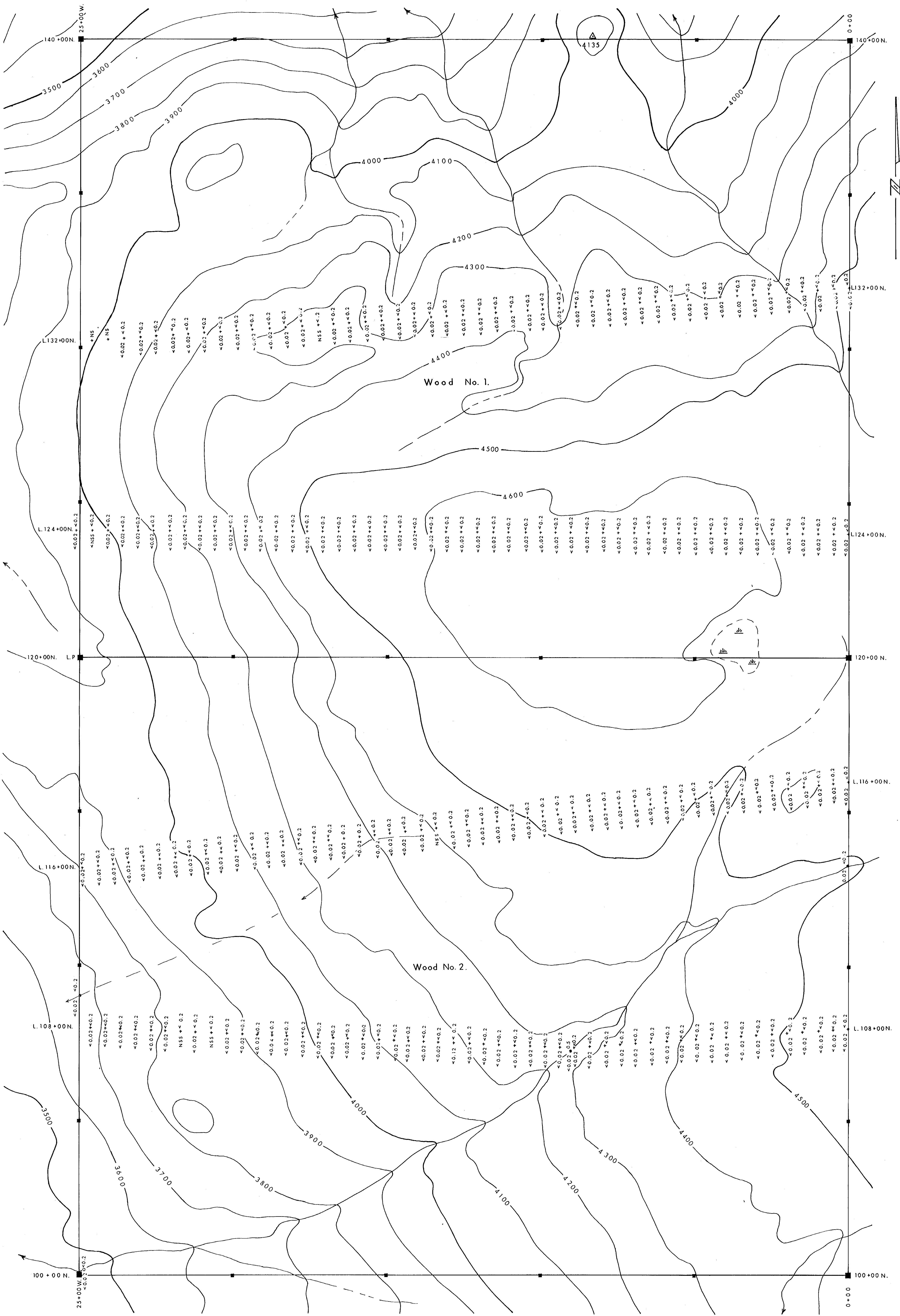
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FIGURE 3

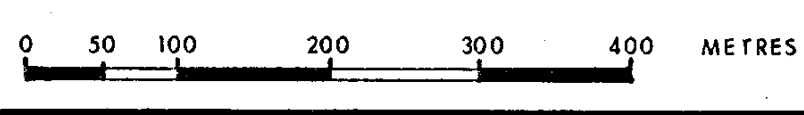


DRAWN: W.S.P.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	OUTCROP MAP
DRAFTING: A.K.	DATE: JULY, 1984	WOOD CLAIMS	
APPROVED:	REVISED:	93-A-03 — CARIBOO M. D.	
			FILE No.:



LEGEND

- Au + Ag
- NS — No Sample
- NSS — Not Sufficient Sample
- — Stream Sample

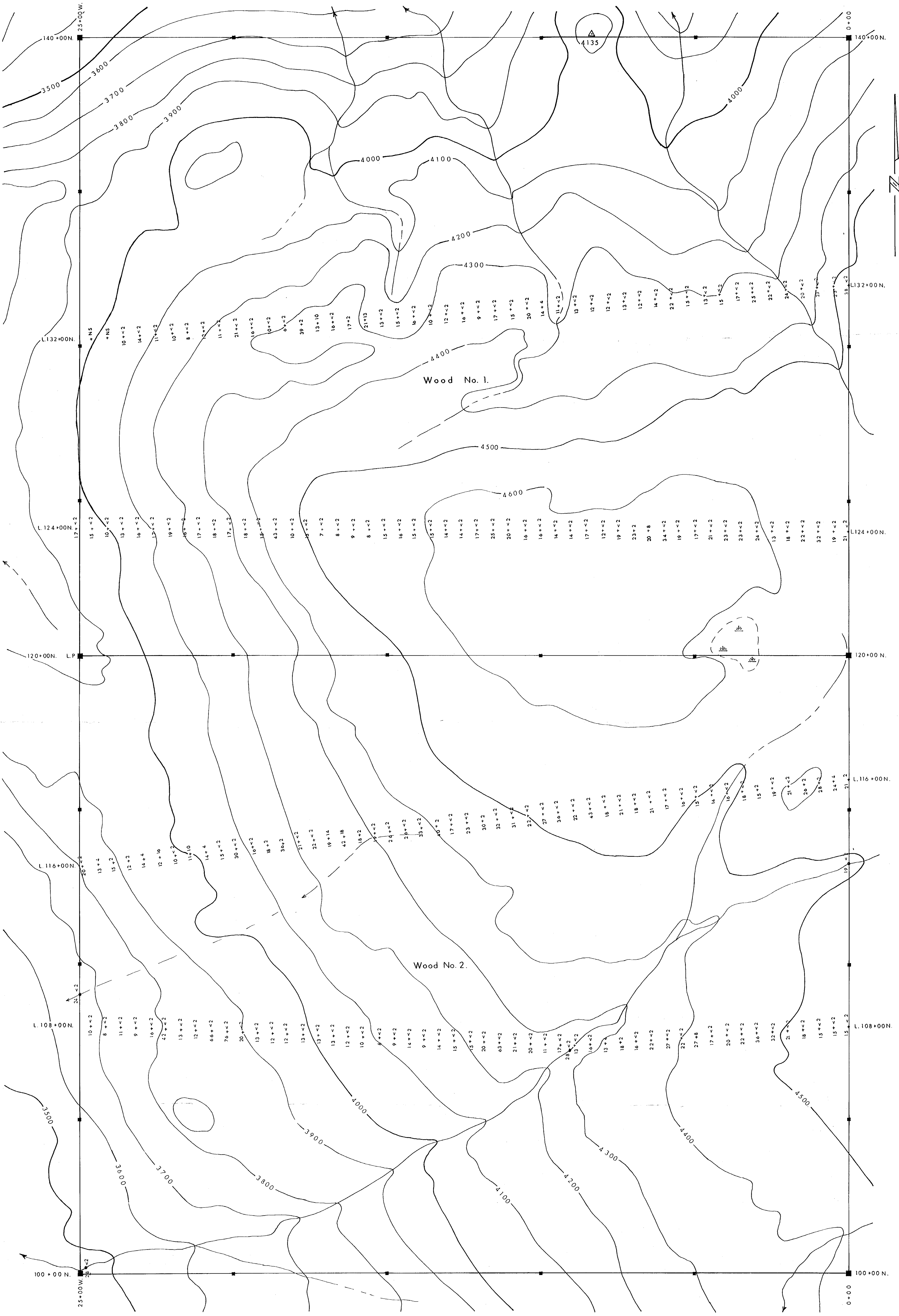


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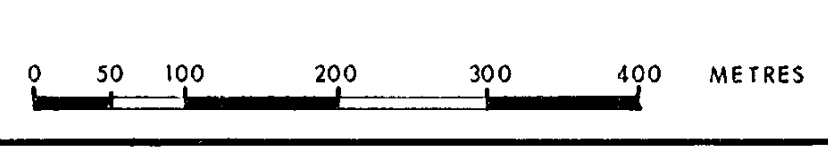
FIGURE 4

DRAWN: W.S.P.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	Soil Sample Results Au—Ag in ppm
DRAFTING: A.K.	DATE: JULY, 1984	WOOD CLAIMS	
APPROVED:	REVISED:	93-A-03 — CARIBOO M.D.	
			FILE No.:



LEGEND

- Cu + As
- NS - No Sample
- - Stream Sample



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FIGURE 5.

DRAWN: W.S.P.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	Soil Sample Results Cu - As in ppm
DRAFTING: A.K.	DATE: JULY, 1984	WOOD CLAIMS	
APPROVED:	REVISED:	93-A-03 - CARIBOO M.D.	

FILE No.: