OCT 2 1978

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CAMPBELL CHIBOUGAMAU MINES LTD.

(NO PERSONAL LIABILITY)

EXPLORATION DIVISION

ASSESSMENT REPORT

RECONNAISSANCE GEOCHEMICAL SURVEY
SUNDOWN CLAIMS
105-M-13
135° 53', 63° 50', Mayo Area.
A.Woodsend

July 1978.

090391

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I. INTRODUCTION

The Sundown claims lie immediately to the south-west of Mount Haldane in the Mayo District, Yukon. The claims are held by C.Klippert of Mayo. The author, an employee of CCH Resources Ltd., a wholly-owned subsiduary of Campbell Chibougamau Mines Ltd., investigated the claims during July 1978.

2. METHODS

Five mineralised grab samples were taken from the bulldozer cuts at the showing on claims I & 4.

A stream sediment sample was taken from the creak draining the south-west part of the group.

A soil sample line was run along the base of the slope facing north-east. Samples were taken at 50m intervals from the B horizon. The -80 mesh fraction was analysed for Sn, W, Cu, Pb, Zn, Ag, Mo, As by Bondar-Clegg at their Whitehorse, Vancouver and Ottawa laboratories.

Sample locations and results are attached.

4. GEOLOGY

The claims lie on sericitic schists of the Yukon Group on the south limb of the McQuesten Anticline. The gossanous showing that has been opened-up by the bulldozer cuts lies on the contact of a quartz-biotite porphry dyke some 4m wide that strikes south-west and dips steeply south-east. The dyke is thoroughly altered by kaolinisation and sericitisation, carries abundant arsenopyrite, and is cut by chloritic veinlets. Fine tourmaline veinlets are probably associated with the chlorite but were not positively identified. Minor gossan has formed in patches along the dyke contacts.

5. RESULTS

The attached map shows the sample locations, and the table lists the results for each element.

Soil sample lines at the base of moderately steep slopes in the Central Yukon have been found to be most

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Soil Sample Results

Sample No	Sn	W	Cu	Pb	Zn	Ag	Mo	As
I709	4	L2	44	I4	40	0.5	4	I0
I7I0	3	L2	I9	I7	44	0.4	7	30
I7II	5	L2	3I	I4	44	0.5	4	I5
I7I2	7	L2	20	22	6I	0.4	3	50
I7I3	I0	L2	3I	I9	65	0.4	3	40
I7I4	I0	L2	I4	I6	56	0,4	4	27
I7I5	I5	L2	38	I5	73	0.5	2	32
I7I6	I3	L2	3I	65	I08	I.2	3	59
I7I7	5	L2	36	59	I00	2.0	4	45
I7I8	7	L2	I7	62	I05	2.8	2	53
I7I9	I3	L2	I9	38	70	I.I	3	80
I720	3	L2	27	55	I20	2.0	4	45
I72I	II	L2	2I	45	85	2.0	4	52
I722	6	L2	20	28	83	I.5	5	5I
I723	ND	L2	29	5I	II0	I.3	3	57
I724	I	L2	I9	40	60	I.6	2	60
I725	8	L2	28	5I	II0	0.7	ND	54
I726	I.S	L2	32	34	85	o.9	4	43
I727	I0	2	22	34	I00	0.7	ND	37
I728	II	L2	28	35	84	0.5	ND	53
I729	8	L2	26	40	73	0.7	4	55
I730	4	L2	4I	30	70	0.5	4	50
I73I	II	L2	36	35	80	0.7	ND	32
I732	8	L2	32	35	80	0.5	3	40
I733	4	L2	22	35	I00	0.7	5	52
I734	I0	L2	30	35	78	0.4	4	4I
I735	I3	L2	23	25	60	o.3	6	45
I736	I0	L2	30	34	70	0.3	4	37
I737	8	L2	22	25	56	ND	5	I2
I738	4	L2	I6	I9	58	0.2	3	22
I739	4	L2	24	25	69	0.2	3	25

All results in ppm. ND = not detectable, I.S = insufficient sample, L = less than.

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effective in tracing mineralisation present upslope. Especially useful in this regard are the more mobile elements, Zn and As particularly.

As can be seen from the results, though the samples downslope from the showing are enhanced in Pb, Ag, Zn, and As, the other elements are not anomalous, and extensions to the known mineralisation are unlikely.

The following grab samples are from the bulldozer cuts-:

	Sn	W	Cu	Pb	Zn	Ag	Mo	As
33505	ND	L2	I0	900	2600	I5.5	4	920
33506	22	L2	8	I680	525	2I.0	ND	760
33507	ND	L2	ND	38	I08	I.0	2	GI000
33508	I9	3	I	3050	I30	58.0	ND	GI000
33509	ND	4	7	220	90	5.2	ND	GI000

Sample I074 was taken from the tributary draining the south-west part of the claim group. This ran Sn ND, W L2, Cu 9, Pb I7, Zn 48, Ag 0.3, Mo I, As I6. None of these elements are anomalous, and it therefore seems unlikely that any significant mineralisation would be found south-west of the ridge.

(Note: ND = not detectable, L= lessthan, G= greater than. All results are in ppm.)

Conclusions

in view of the results no further work is recommended.

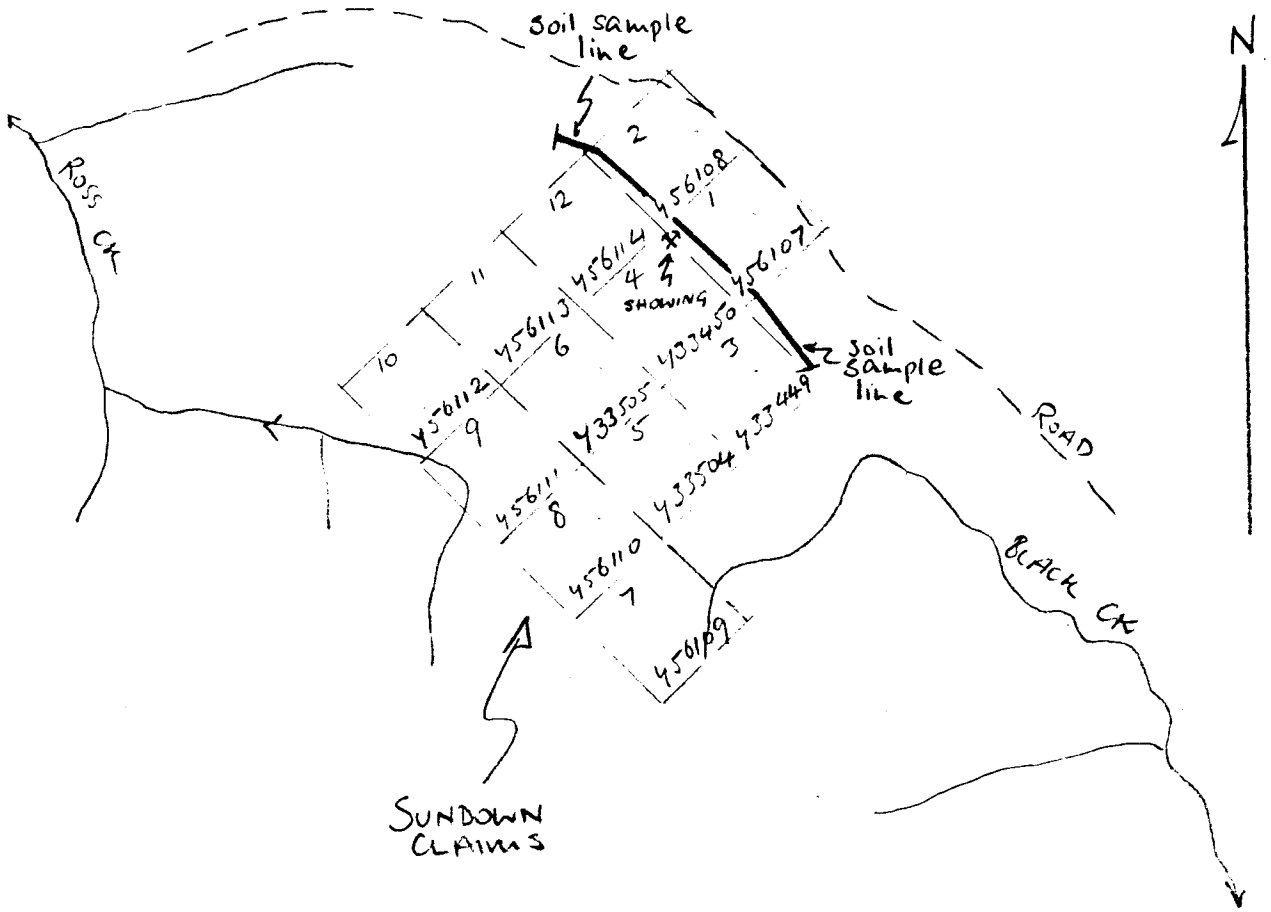
McQuesten River,
I0 September I978.

A.Woodsend,
Geologist.

SUNDOWN CLAIMS.
CLAIM SKETCH & sample line location

MOUNT HALDANE

Scale 1/2 mile = 1 inch.



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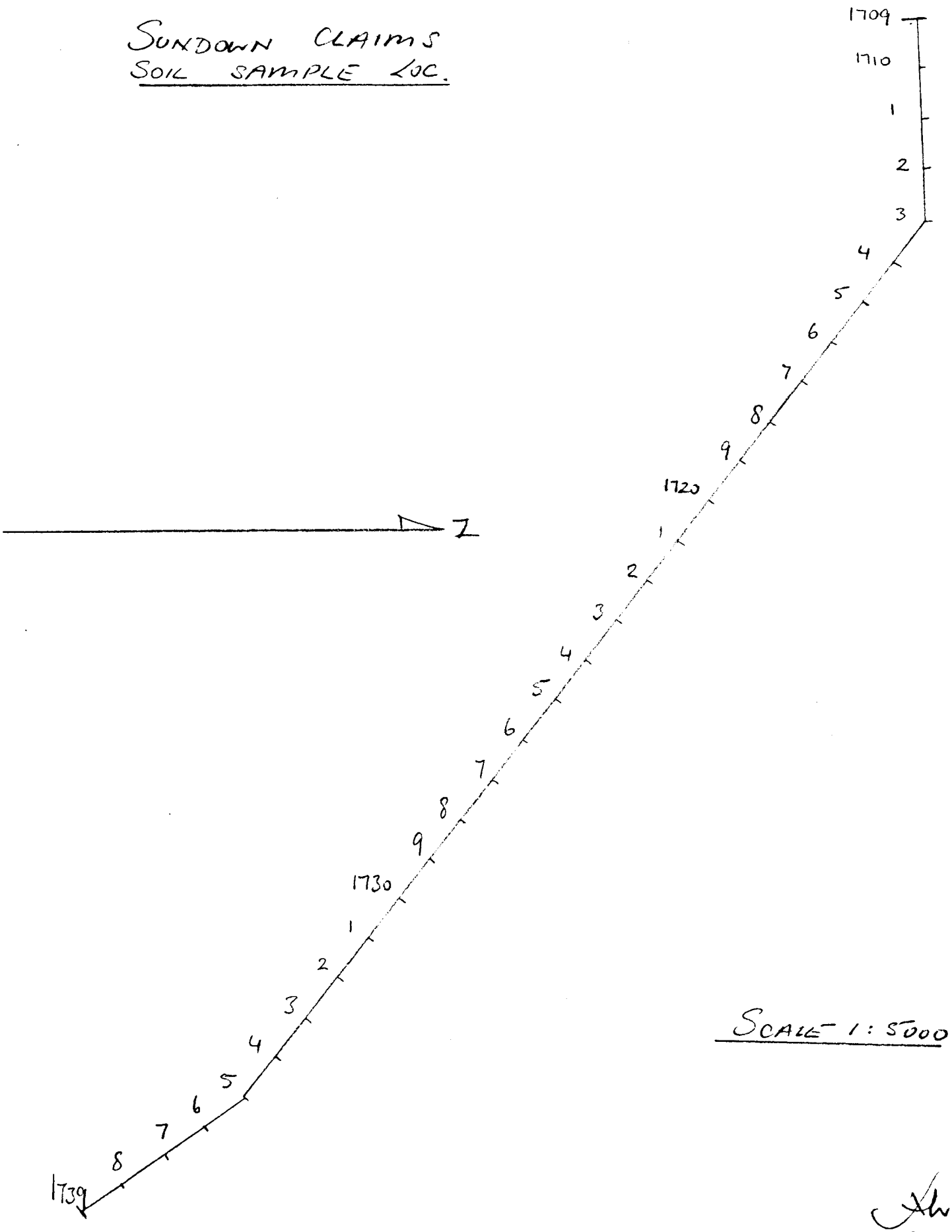
SUNDOWN CLAIMS
SOIL SAMPLE LOC.



SCALE 1:5000

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