MAR 19720010: BIGHORN

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SUPPLEMENTARY REPORT

ON

RECENT DISCOVERIES ON THE BIG HORN CLAIM GROUP

OF

KINTLA EXPLORATIONS LTD.

IN

SOUTHWEST ALBERTA

by

Prof. Roger D. Morton, B.Sc., Ph.D., P. Geol.

Consultant Geologist

Work performed on the Big Horn claims in southwest Alberta by personnel of Kintla Explorations Ltd. during May, 1972 has yielded the following new data and information which augment previously submitted observations on the economic potentials of the Company's properties within that region.

(1) Further surface exploration and preliminary sampling of the 3 to 8 feet thick Upper Grinnell cupriferous quartzite bed which outcrops between Yarrow and Smith Creeks (reference page 8, Morton report, 1971) has revealed that the mineralized sedimentary horizon is at least 1800 feet in length along strike. Grab assays of this quartzite show concentrations of 1.0 to 2.5% Cu over true widths of up to 8 feet. Occasional grab samples of this bed have yielded assays of up to 6% Cu.

(2) The mineralized dioritic sill which outcrops between Blind Canyon and Smith Creek (reference pages 8-9, Morton report, 1971) has now been traced on surface over a total strike length in excess of 3000 feet. The average thickness of the Cu bearing mineralized sector of the intrusion has been shown to be 6 to 8 feet with occasional thickening up to 15 feet. Grab samples have assayed at 2.0 to 2.5% Cu at the extremeties of this 3000 feet mineralized portion and the central area of the intrusion's outcrop have assayed at as much as 6.48% Cu over 6 feet.

(3) Exploration in the area of claim #13 in the Big Horn group has revealed a previously unknown and promising occurence of Pb-Ag mineralization, associated with argillaceous limestones of the Lower

Siyeh Formation. At this locality an open fold within the Siyeh limestones is cut by a younger dike. Adjacent to this dike, the limestones are extensively brecciated and cut by a stockwork of galena-bearing veins. This brecciated zone has so far been traced over an area of 40 feet by 1000 feet on surface. Initial sampling across the mineralized zone has shown 10 feet of brecciated limestone with 4.96% Pb and 0.12 oz/ton Ag, underlain by 5 feet of veined limestone with 3.38% Pb and 0.24 oz/ton Ag. A grab sample, representing a 4 feet thick, massive vein of galena which cuts the limestone breccia nearby, yielded an assay of 57.35% Pb and 2.35 oz/ton Ag.

It is therefore concluded that these new data clearly support the concept of a high economic potential for the Precambrian Belt-Purcell strata and associated intrusions within this region. The latest discovery of Pb-Ag mineralization within the rocks of the Siyeh Formation, above the Cu-Ag bearing members of the Grinnell Formation, indicate that the upper strata of the Precambrian Sequence should be considered to possess an economic potential at least equal to, if not greater than, that of the lower members of the sequence in the future.

CERTIFICATE

I, Roger D. Morton, of the City of Edmonton, in the Province of Alberta, hereby declare:

(1) That I am a registered Professional Geologist in the Province of Alberta.

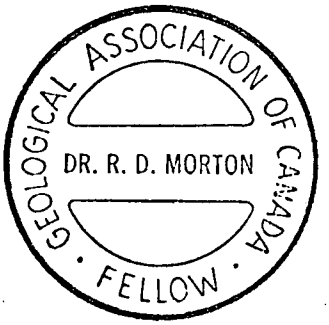
(2) That I am a graduate of the University of Nottingham, England with the degrees of Bachelor of Science (Honours Geology) 1956 and Doctor of Philosophy (Geology) 1959.

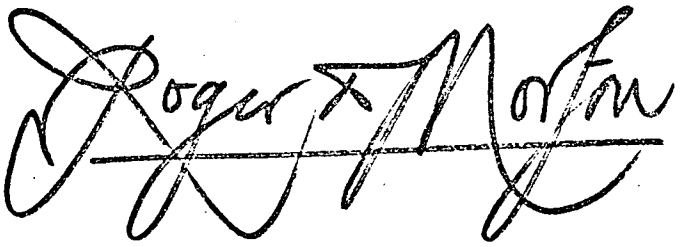
(3) That I hold the tenured position of Associate Professor of Geology at the University of Alberta and also serve the mining industry as a Consulting Geologist from my office at 9103-118 Street, Edmonton 61, Alberta.

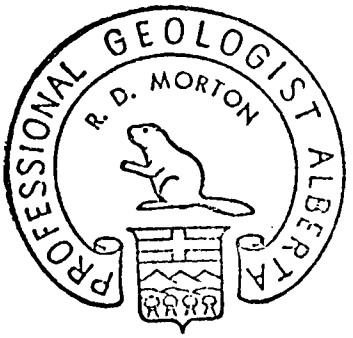
(4) That I have no interest, either direct or indirect in the properties described in this report nor any interest direct or indirect in Kintla Explorations Ltd.

(5) That this report is based upon both personal examination of most of the properties during 1969, 1970 and 1971 and upon information contained within those publications cited herein.

Respectfully submitted,

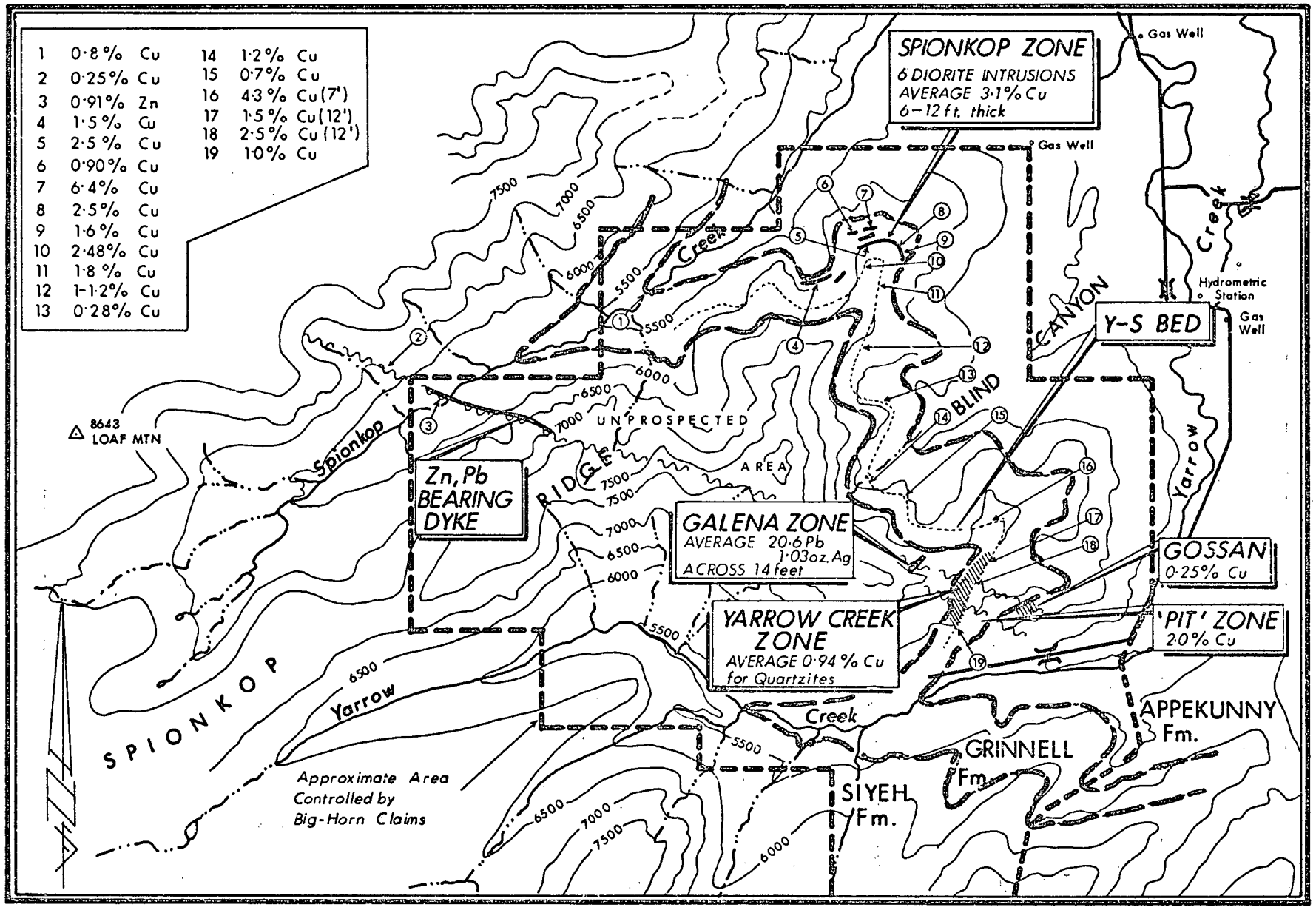






Roger D. Morton, B.Sc., Ph.D., P. Geol.
Consultant Geologist

Dated 14 June, 1972.



SCALE 0 1 2 MILES

E. Goble July, 1972.

KINTLA EXPLORATIONS LTD

ZONES OF MINERALIZATION

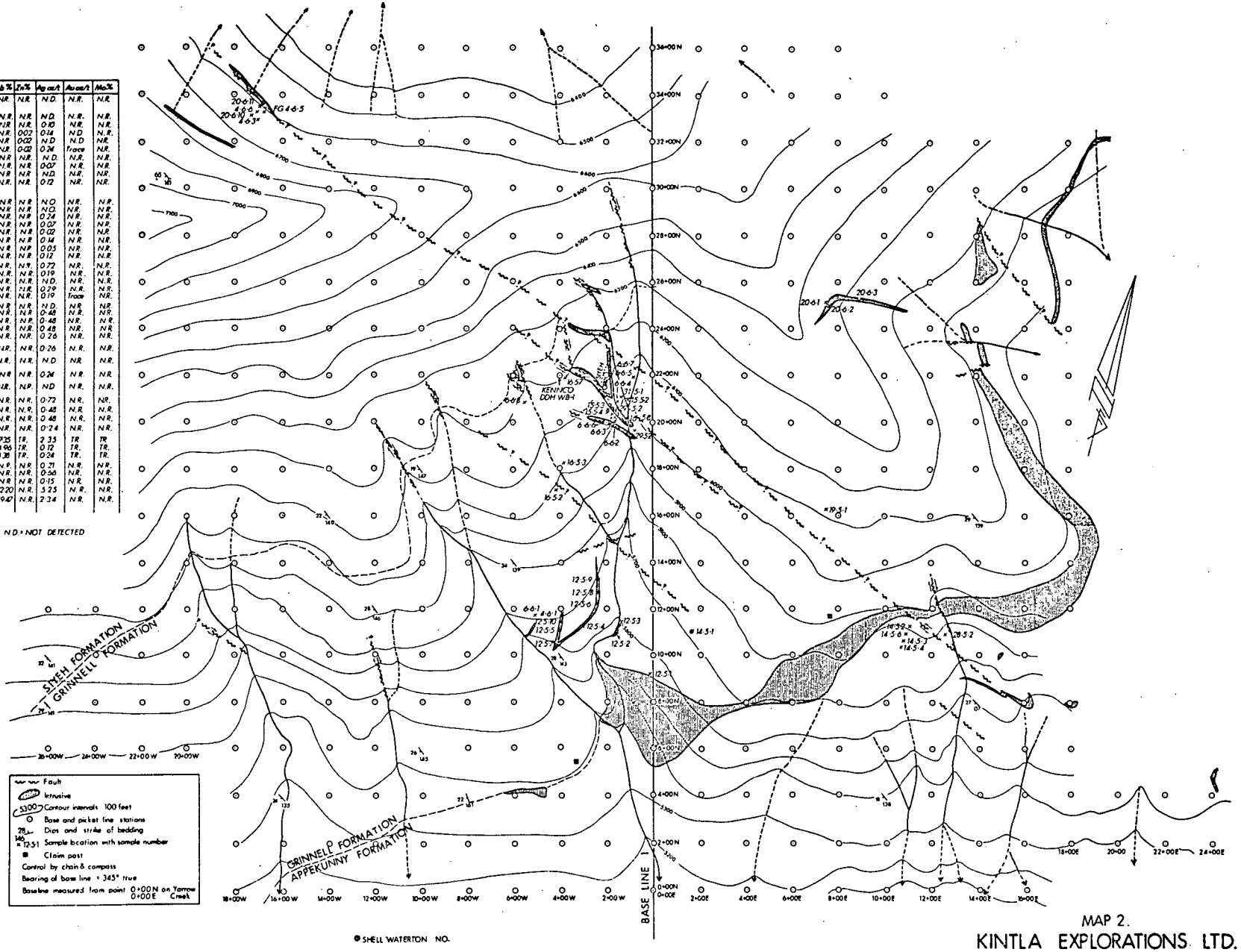
BIG-HORN CLAIMS

Map 1.

194 20 10.

Sample	Thick.	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	Mo %
6-6-1	9'	1·26	N.R.	N.R.	N.D.	N.R.	N.R.
12-5-2	10'	0·38	N.R.	N.R.	N.D.	N.R.	N.R.
12-5-3	5'	0·07	N.R.	N.R.	0·10	N.R.	N.R.
12-5-4	12'	1·30	N.R.	0·02	0·14	N.D.	N.R.
12-5-5	7'	0·40	N.R.	0·02	N.D.	N.D.	N.R.
12-5-6	7'	1·26	N.R.	0·02	0·24	Trace	N.R.
12-5-7	12'	0·97	N.R.	N.R.	N.D.	N.R.	N.R.
12-5-8	12'	0·52	N.R.	N.R.	0·07	N.R.	N.R.
12-5-9	7'	0·69	N.R.	N.R.	N.D.	N.R.	N.R.
12-5-10	10'	0·94	N.R.	N.R.	0·12	N.R.	N.R.
14-5-2		0·15	N.R.	N.R.	N.D.	N.R.	N.R.
14-5-2 #2	60'	0·13	N.R.	N.R.	N.D.	N.R.	N.R.
14-5-2 #4		0·11	N.R.	N.R.	0·24	N.R.	N.R.
14-5-2 #3		0·39	N.R.	N.R.	0·07	N.R.	N.R.
14-5-2 #5		0·21	N.R.	N.R.	0·02	N.R.	N.R.
		0·32	N.R.	N.R.	0·14	N.R.	N.R.
14-5-2 #6		0·26	N.R.	N.R.	0·05	N.R.	N.R.
14-5-3	10'	0·31	N.R.	N.R.	0·12	N.R.	N.R.
6-6-5	7'	1·20	N.R.	N.R.	0·72	N.R.	N.R.
14-5-1	8'	1·04	N.R.	N.R.	0·19	N.R.	N.R.
15-5-2	8'	0·84	N.R.	N.R.	N.D.	N.R.	N.R.
15-5-3	6'	1·06	N.R.	N.R.	0·29	N.R.	N.R.
15-5-4	6'	0·89	N.R.	N.R.	0·19	Trace	N.R.
16-5-2	7'	0·23	N.R.	N.R.	N.D.	N.R.	N.R.
6-6-6	10'	0·51	N.R.	N.R.	0·48	N.R.	N.R.
6-6-7	6'	0·32	N.R.	N.R.	0·48	N.R.	N.R.
6-6-8	10'	1·26	N.R.	N.R.	0·48	N.R.	N.R.
16-5-7	9'	0·45	N.R.	N.R.	0·26	N.R.	N.R.
19-5-1	12'	0·49	N.R.	N.R.	0·26	N.R.	N.R.
28-5-2	16'	0·11	N.R.	N.R.	N.D.	N.R.	N.R.
29-5-2	9'	1·39	N.R.	N.R.	0·24	N.R.	N.R.
31-5-1	20'	0·54	N.R.	N.R.	N.D.	N.R.	N.R.
6-6-1	10'	0·86	N.R.	N.R.	0·72	N.R.	N.R.
6-6-2	7'	1·84	N.R.	N.R.	0·48	N.R.	N.R.
6-6-3	6'	0·65	N.R.	N.R.	0·48	N.R.	N.R.
6-6-4	10'	0·82	N.R.	N.R.	0·24	N.R.	N.R.
4-6-6	4'	0·07	5935	TR.	2·35	TR	TR
4-6-5	10'	0·05	4·96	TR.	0·12	TR.	TR.
4-6-3	5'	0·02	3·38	TR.	0·24	TR.	TR.
20-6-1	3'	0·98	N.R.	N.R.	0·71	N.R.	N.R.
20-6-2	5'	4·80	N.R.	N.R.	0·36	N.R.	N.R.
20-6-3	5'	1·03	N.R.	N.R.	0·15	N.R.	N.R.
20-6-10	4'	N.R.	5220	N.R.	5·25	N.R.	N.R.
20-6-11	4'	N.R.	69·47	N.R.	2·34	N.R.	N.R.

N.R. = NOT REQUIRED , N.D. = NOT DETECTED
TR. = TRACE



MAP 2.

KINTLA EXPLORATIONS LTD.

SAMPLE LOCATION MAP
ZONE 1

Big Horn-Claims — Yarrow Creek Area
SW.-Alberta

SCALE 0 200 400 FEET

R.Gobb June 1972

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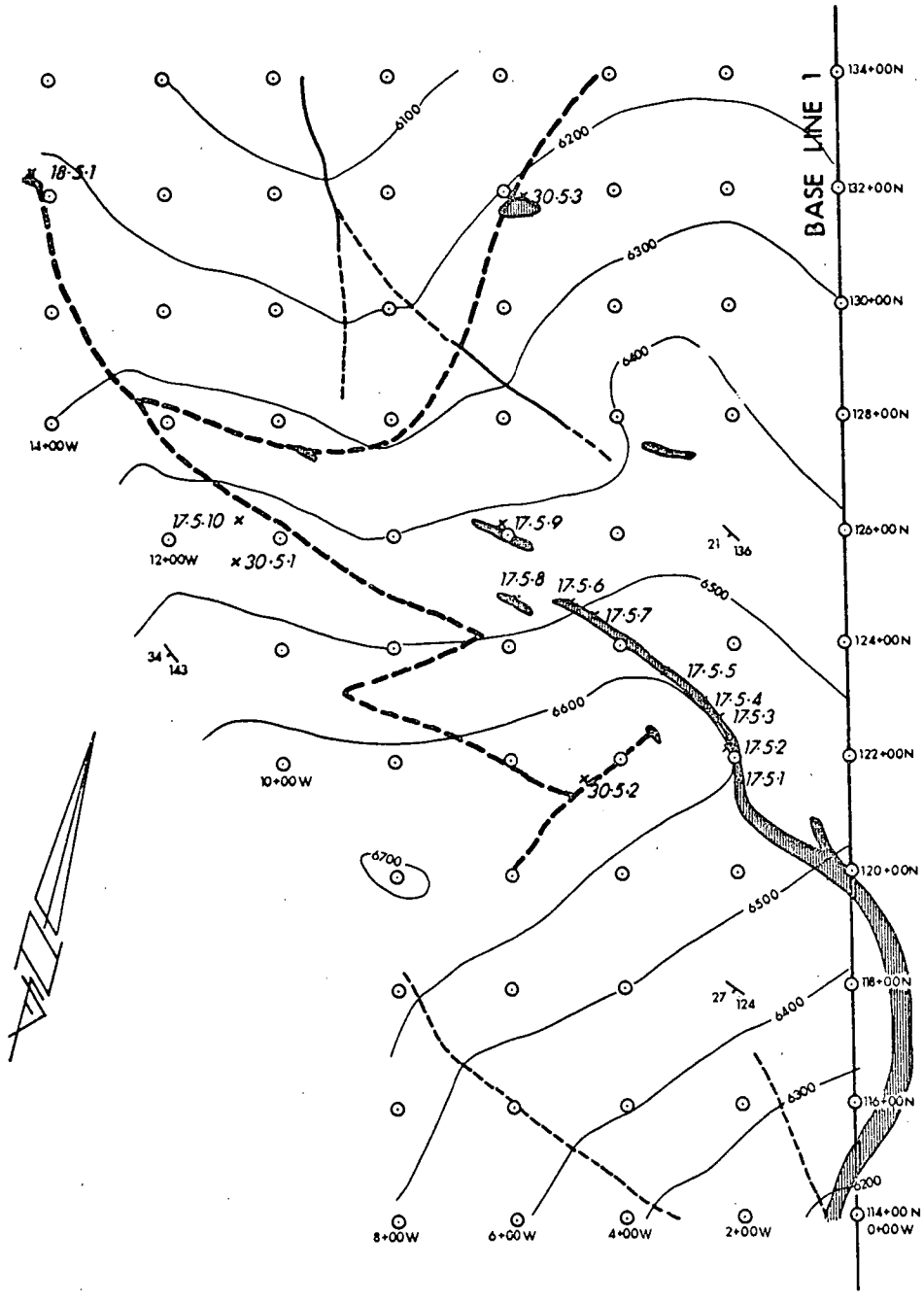

Sample	Thick.	Cu %	Zn %	Au oz/t	Ag oz/t.
17-5-1	7'	2-52	N.R.	N.R.	0-02
17-5-2	30'	2-32	N.R.	N.R.	0-10
17-5-3	2'	6-48	N.R.	N.R.	N.D.
17-5-4	6'	2-44	N.R.	N.R.	N.D.
17-5-5	7'	1-88	N.R.	N.R.	N.D.
17-5-6	4'	2-68	N.R.	N.R.	0-22
17-5-7	9'	2-36	N.R.	N.R.	0-10
17-5-8	5'	1-60	N.R.	N.R.	0-07
17-5-9	8'	0-90	N.R.	N.R.	0-12
17-5-10	8'	2-48	N.R.	N.R.	0-12
18-5-1	5'	0-32	N.R.	N.R.	N.D
30-5-1	8'	0-86	N.R.	N.R.	0-12
30-5-2	7'	1-78	N.R.	N.R.	0-24
30-5-3	10'	0-62	N.R.	N.R.	N.D.

N.R. = NOT REQUIRED
N.D. = NOT DETECTED

Intrusive
6400 Contour intervals 100 ft.
Base and picket line stations
21 / 136 Dips and strike of bedding
17-5-8 Sample location with sample number
4 wheel drive road

Control by chain & compass
Bearing of base line = 345° true
Base line measured from point 0+00N on Yarrow 0+00E Creek

MAP 3.

KINTLA EXPLORATIONS LTD.

SAMPLE LOCATION MAP

ZONE 2

Big Horn - Claims — Spionkop Ridge Area

SW.-Alberta

SCALE 0 200 400 FEET

R. Goble — June 1972

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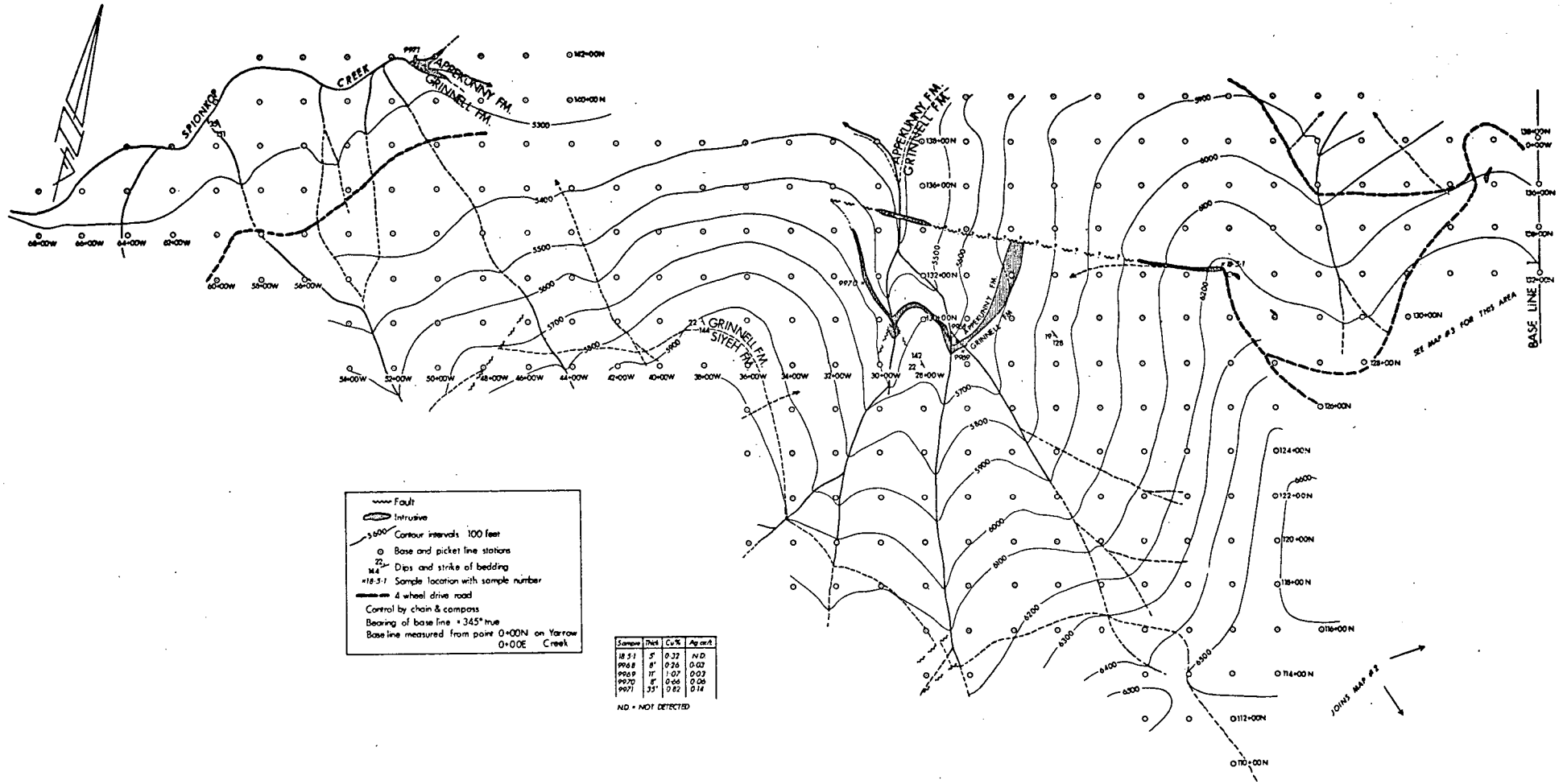

Sample	Thick	Cu%	Ag oz/t
18 5-1	5'	0.32	N.D.
9968	8'	0.26	0.02
9969	11'	1.07	0.03
9970	8'	0.66	0.06
9971	35'	0.82	0.14

MAP 4.

KINTLA EXPLORATIONS LTD.

SAMPLE LOCATION MAP

ZONE 2

Big Horn - Claims — Spionkop Creek Area

SW.-Alberta

SCALE 0 200 400 FEET

R. Goble - July, 1972

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