GEOLOGICAL - GEOCHEMICAL REPORT
ON THE
SILENCE 2 AND 3 CLAIMS (SILENCE GROUP)
RAFT RIVER AREA,
KAMLOOPS M. D.
82 M 13

Latitude: 51°48'North
Longitude: 119°34'West

Claims owner: W. J. Coulter
Operator: W. J. Coulter
Consultant: H. M. Jones, P.Eng.
G. A. Noel & Associates, Inc.

Author: H. M. Jones, P.Eng.
W. Vanderpol

Date submitted: August 22, 1979

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SUMMARY

The Silence claim group is located in the Raft River area approximately 25 km. north-northeast of Vavenby, B. C. in the Kamloops Mining Division.

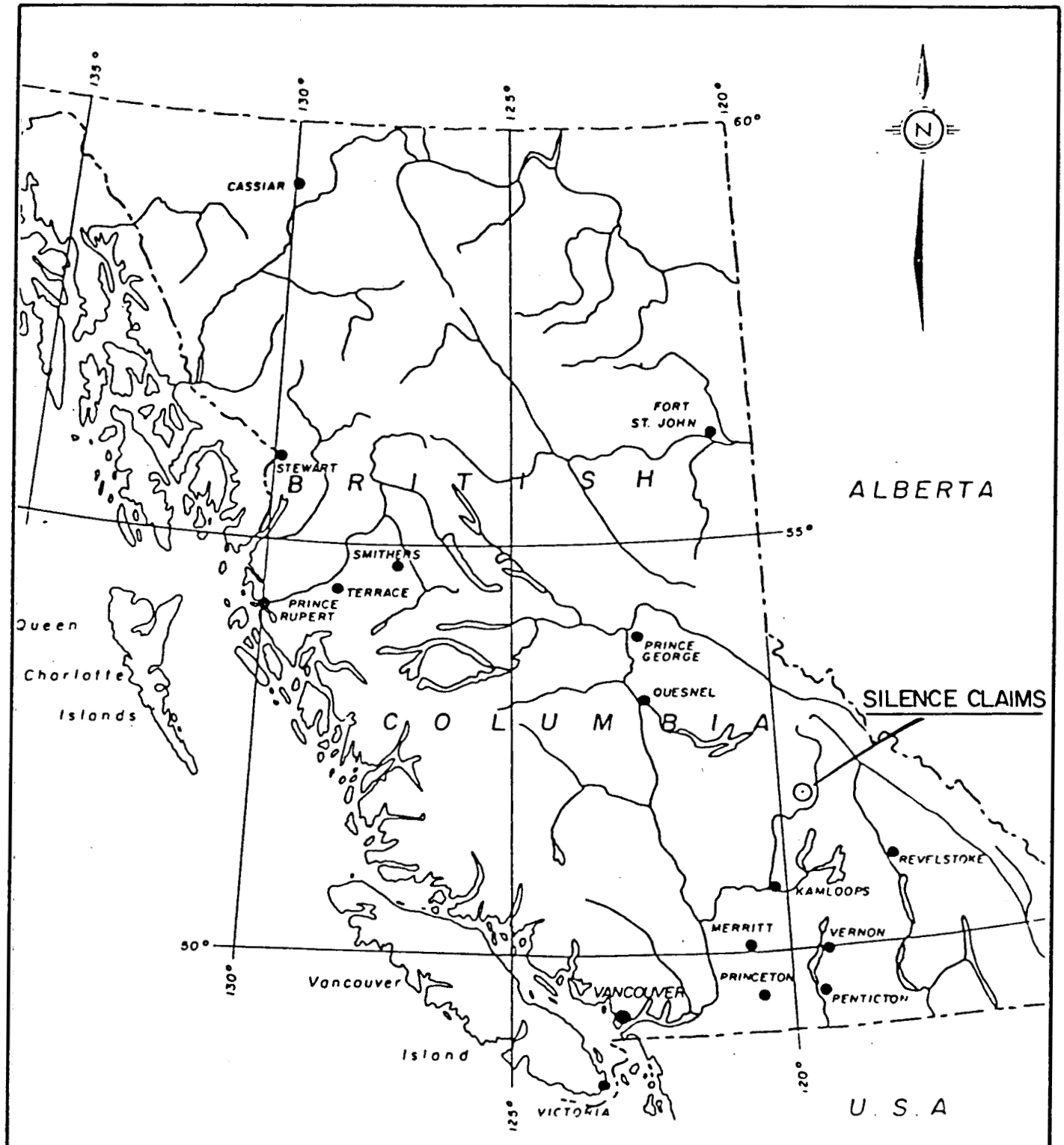
From July 8-15, 1979 a crew consisting of one geologist and two field assistants conducted a geological-geochemical program on the Silence claim group.

Geology of the claims consisted of schists of the Shuswap Metamorphic Complex intruded by a gneissic to pegmatitic diorite.

No mineralized zones were located. Geochemical sample results did not indicate any areas of interest.

No further work is recommended at the present time.

It is recommended that the costs of the program be applied as one year's assessment work on the Silence claim group.



G.A. NOEL & ASSOCIATES, INC. VANCOUVER, B.C.

LOCATION MAP
SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

SCALE : 1cm=87 Km	JULY 1979	FIG. 1
H. JONES		

INTRODUCTION

At the request of W. J. Coulter, G. A. Noel & Associates, Inc. conducted a geological-geochemical survey on the Silence claim group. This work was carried out July 8-15, 1979 by a crew consisting of one geologist and two field assistants.

Location

51°48'North latitude; 119°34'West longitude

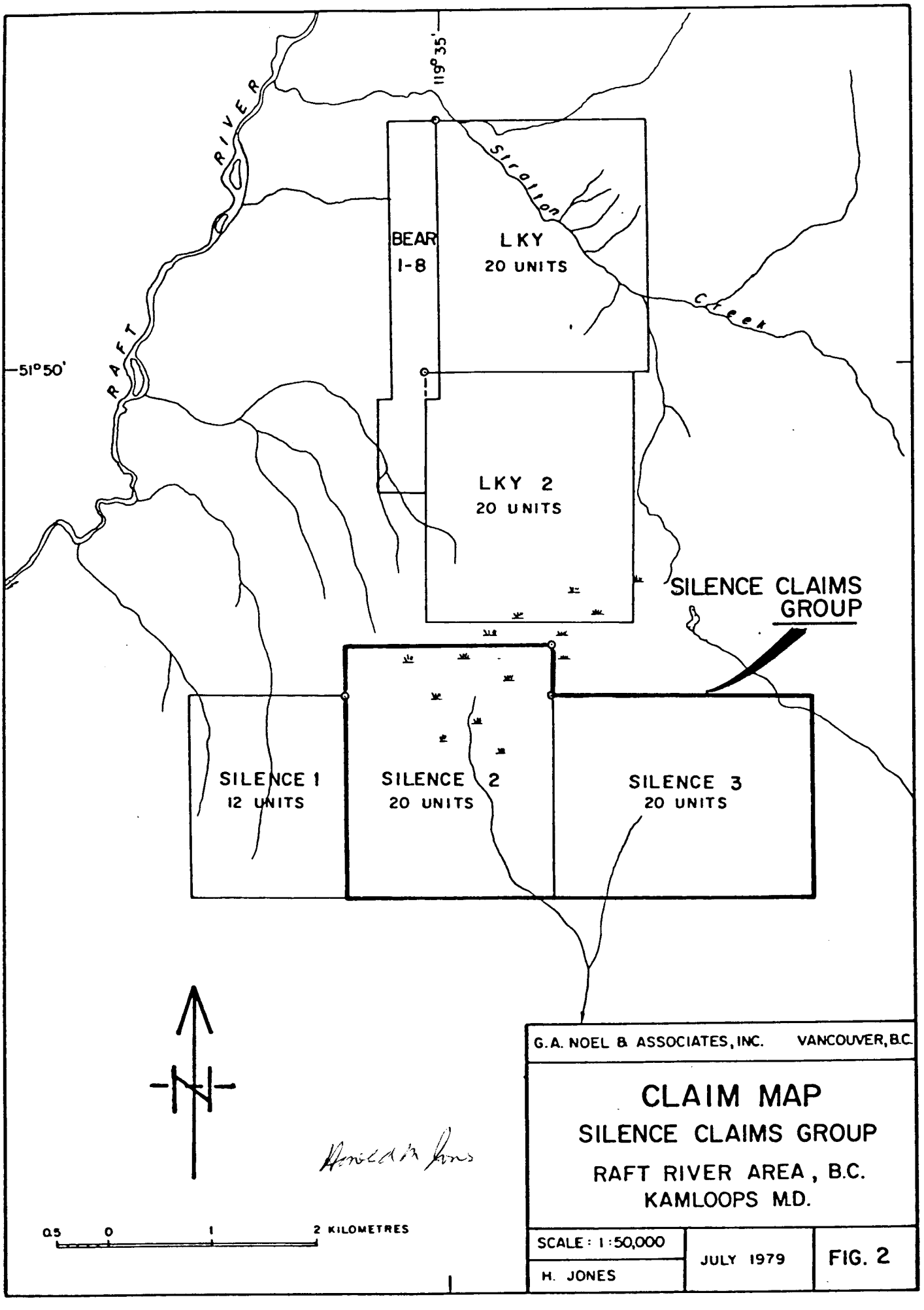
The Silence claim group is located 25 km. north-northeast of Vavenby, a small community situated on the North Thompson River 110 km. north-northeast of Kamloops (Figure 1).

The claims cover a part of the plateau between Raft and Mad Rivers, south of Stratton Creek. Relief is very moderate over most of the claim group with elevations commonly ranging from 1645 metres to 1770 metres.

Access

Excellent access is available to within several kilometres of the claims. British Columbia highway 5, an all weather road running north from Kamloops passes within 12 km. of the Silence claim group. Main logging roads leave this highway and follow northerly up Raft River and Mad River, each respectively 3 km. west and 3 km. east of the property.

A logging road, which branches of the Mad River road, follows the east fork of Martin Creek up to near its headwaters. This road presently


RAFT RIVER
119°35'
51°50'
Sircoton Creek
BEAR 1-8
LKY 20 UNITS
LKY 2 20 UNITS
SILENCE CLAIMS GROUP
SILENCE 1 12 UNITS
SILENCE 2 20 UNITS
SILENCE 3 20 UNITS
0.5 0 1 2 KILOMETRES
G.A. NOEL & ASSOCIATES, INC. VANCOUVER, B.C.
CLAIM MAP
SILENCE CLAIMS GROUP
RAFT RIVER AREA, B.C.
KAMLOOPS M.D.
SCALE: 1:50,000
H. JONES
JULY 1979
FIG. 2

terminates at the south boundary of the claim group. When completed it will give direct access to the claims.

Topography and Vegetation

The general area is characterized by deeply incised valleys and fairly high rugged mountain peaks. The Silence claim group covers a part of the higher plateau that lies between the Raft and Mad Rivers in this area. Relief is moderate throughout the claim group except on the south and east sides where the uplands give way to steep, rugged slopes.

Dense stands of balsam and spruce with lesser cedar cover most of the property except at the north end of Silence 2 claim where swampy meadows are common.

Property

The property consist of two claims (Figure 2). They are:

Claim Name	No. of Units	Record No.	Recording Date	Mining Division
Silence 2	20	1616	December 1, 1978	Kamloops
Silence 3	20	1617	"	"

The claims are owned by: William J. Coulter
310 - 885 Dunsmuir Street
Vancouver, B. C.

History

In 1973 boulders of massive sphalerite and galena were found by Mr. A. Horne while prospecting in the Raft River area. Trenching by Horne

in this area uncovered massive sphalerite mineralization on the slopes of McKlosky Creek approximately 10 km. north of the Silence claim group. The CK property was staked to cover the showings and the surrounding area. They were then optioned to Rio Tinto Exploration Ltd. who carried out extensive exploration on the property during 1974 and 1975. Their work located several small sulfide zones. They terminated their option in 1975.

In 1974 Mr. Horne prospected to the south of his discovery area. He conducted a silt and soil reconnaissance survey in the area which is now partially covered by the Silence claim group. Assay results from this survey showed anomalous zinc values in silts from streams which drained off of Silence 2 claim.

In 1976 Sicintine Mines Ltd. optioned the CK property. They conducted limited surface trenching and a magnetometer survey during the 1976 field season. They terminated their option in 1977.

Cominco Ltd. are currently exploring in the same vicinity as that covered by Rio Tinto. They are rumoured to have located a significant zone of sulfide mineralization.

There are no known mineral showings or workings on the Silence claim group. The present program will attempt to explain the 1974 anomalous silt samples taken by Mr. Horne.

FIELDWORK

Silt samples taken by prospector Horne in 1974 from the creek draining

the northwest corner of Silence 2 claim showed anomalous values in zinc. For this reason a geochemical soil survey was conducted in this area to search for the source of that mineralization.

A soil grid was laid out covering an area 1000 m. north-south by 900 m. east-west. The baseline was run from the northwest corner of Silence 2 claim for 900 m. east along the northern claim boundary. Grid lines were run due south from the baseline, at 100 m. intervals, for 1000 m. south. All lines were surveyed using a compass and hip chain and well marked with flagging tape.

Soil samples were collected from the "B" horizon at 50 m. intervals along each grid line. They were taken with a mattock, placed in a Kraft envelope upon which was placed the appropriate sample number and later packed in cartons for delivery to Acme Laboratories Ltd., Vancouver, for analysis of Pb, Zn, Cu, Mo, Ag and WO_3. A total of 209 soil samples were collected.

In addition to the soil survey, silt samples were taken from the major drainages on Silence 2 and Silence 3 claims. These were taken at approximately 100 to 200 m. intervals on the main drainages. One sample was also taken from each tributary stream. A total of 29 silt samples were collected.

Each sample was placed in a Kraft paper envelope upon which was marked the appropriate sample number, sun dried and then placed in a carton for delivery to Acme Laboratories Ltd., Vancouver. These were assayed for Pb, Zn, Cu, Mo, Ag and WO_3.

GEOLOGY

Regional Geology

The entire area between the Raft and Map Rivers in the general vicinity of the claims is underlain by rocks of the Shuswap Metamorphic Complex. This formation is of uncertain age but is placed by Campbell (G.S.C. Map 48-1963) between Proterozoic and lower Paleozoic. Campbell (1963) describes the Shuswap Metamorphic Complex as "a strongly foliated and lineated assemblage of metasedimentary gneisses and schists intruded by an enormous number of dykes, sills and small irregular bodies of granitic rocks. Pegmatite comprises more than 70 percent of the exposed rocks in some places ...."

Local Geology

The claims area is covered by a thin(?) mantle of overburden. Rock exposures are very poor, even in the creek beds.

The northern half of Silence 2 claim is underlain by muscovite-biotite-chlorite schists of the Shuswap Metamorphic Complex (Figure 3). Quartzites are also present but appear to be lower in the stratigraphic sequence than those seen to the north on LKY 2 claim.

Only one outcrop of the metamorphic rocks was seen on Silence 2 claim. It was located about midway along the western boundary of this claim.

Large, angular boulders, likely very local in origin, were observed near the common boundary of Silence 2 and 3 claims. They were composed of schistose to gneissic, calcite-rich amphibolite containing massive 2-4 cm.

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SOIL GEOCHEMISTRY GRID

BASELINE 0 1E 2E 3E 4E 5E 6E 7E 8E 9E

Camp

VT 1-1951

Soil profile V1, V2

L.C.P.

VT 3-1953

VT 2-1952

SILENCE 2

SILENCE 3

B282 B283 B284 B285 B286 B287 B288 B289 B290 B291 B292 B293 B294 B295 B296 B297 B298 B299

B300 B301 B302 B303 B304 B305 B306 B307 B308 B309 B310 B311

1a 1a,b 1a, b 1c 2 70°

N

0 1 Km.

LEGEND

2 Granite to granite gneiss ; incl. diorite phases

1 Metamorphic rocks of the Shuswap complex
a. biotite-muscovite-chlorite schists
b. quartzites
c. amphibolite gneiss

Outcrop
Geological contact, assumed
Fault
Strike, dip
x Float
o Soil, silt sample number
VT1-1951 Rock sample

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GEOLOGY & GEOCHEM. MAP

SILENCE CLAIMS GROUP
RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

SCALE 1:15,840
H. JONES
JULY 1979
FIG. 3

thick lenses of pyrrhotite with minor pyrite, chalcopyrite and galena(?). Several samples of the float were taken for assay.

The southern half of Silence 2 claim is underlain by an intrusive rock(?) which differs in age and composition from the quartz monzonite seen to the north on LKY 2 claim. On Silence 2 claim its texture varies locally from fine grained to pegmatite. Its biotite content varies from 5% - 20%, and amphiboles may or may not be present. The intrusive, locally, is strongly gneissic and in these exposures resembles some phases of the Shuswap Metamorphic rocks.

The contact between the metamorphics-intrusive is well defined. Large, unaltered fragments of the metamorphics occur in the intrusive near the contact.

Steep, north-south faulting is evident from slickensiding in the intrusive. The same fault may extend to the north, where brecciation occurs in the quartzites on LKY 2 claim.

GEOCHEMICAL RESULTS

Soil was well developed in the grid area. It consisted of 5-10 cm. of grey leached podzol-type soil underlain by a deep brown-red enriched "B" horizon. In the swampy areas the organic "A" horizon was often too deep to penetrate. In places the leached horizon is also very deep. Depending on the nature of the soil, sample depths varied from 15-40 cm.

All soil samples assayed by Acme Laboratories Ltd., 852 E. Hastings Street, Vancouver, B. C. Their treatment of samples was as follows for all of the elements tested except WO_3:

The samples were dried at 75°C, then seived to -80 mesh. A 0.50 gram portion of the sample was digested with dilute aqua regia in a boiling water bath. It was then diluted to 10 mls. with demineralized water. This solution was then analysed by Atomic Absorption.

For analysing WO_3, a 1 gram portion of the dried sample was fused with KCl, KNO_3 and $Na_2\ CO_3$ flux in a test tube, then leached with 10 mls. of demineralized water. An aliquot was used to develop a complex with $SnCl_2$, KSCN and HCl which was extracted by n-tributyl phosphate and carbon tetrachlorite.

The geochemical soil and silt sampling on the Silence claim group was part of a broader program which also explored the adjoining LKY and Bear claims. Since geology was similar on all claims it was decided to combine all assay results from the entire program to establish which values should be considered as anomalous. All assay results for samples from the Silence 2 and 3 claims accompany this report in Appendix I.

A frequency distribution and a cumulative percent frequency distribution graph was plotted for molybdenum, copper, zinc, lead and silver soil samples assays (Figures 11 - 20).

From these graphs the following values were obtained:

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SOIL GEOCHEMISTRY GRID

BASELINE 0 1E 2E 3E 4E 5E 6E 7E 8E 9E

Camp

VT 1-1951 .001%, .01%, .01%, -, .01%

Soil profile

2,18,18,58,.1 V1, V2 1,5,13,8,.2

L.C.P.

VT 3-1953
-, .01%, .01%, .01%, .01%

.001%, .01%, .01%, -, .01%

VT 2-1952

1,10,13,40,.4

1,37,39,118,.3

1,18,26,115,.4

1,15,18,116,.7

1,21,27,88,.3

1,56,34,245,.1

1,29,23,130,.3

1,17,22,76,.2

1,14,22,75,.1

1,16,36,142,.4

1,9,17,38,.4

1,15,21,65,.2

1,17,20,102,.3

1,16,22,76,.2

1,14,16,66,.1

1,16,20,78,.2

1,14,16,76,.1

1,18,22,100,.2

SILENCE 2

SILENCE 3

1,6,14,42,.1

1,10,15,60,.1

4,13,24,115,.1

1,13,21,90,.1

1,15,18,85,.1

2,14,20,82,.1

1,13,15,60,.1

1,19,19,76,.1

1,14,16,64,.1

1,16,12,40,.1

1,14,13,45,.1

0 1 Km.

LEGEND

- 2 — Granite to granite gneiss ; incl. diorite phases
- 1 — Metamorphic rocks of the Shuswap complex
  - a. biotite-muscovite-chlorite schists
  - b. quartzites
  - c. amphibolite gneiss

- Outcrop
- Geological contact, assumed
- Fault
- Strike, dip
- x Float
- Soil, silt sample
- VT1-1951 Rock sample

2,18,18,58,.1 — Mo, Cu, Pb, Zn, Ag in ppm

Silt sample values considered to be probably anomalous (shown by underline)

Mo	> 5.0 ppm
Cu	> 110 "
Pb	> 260 "
Zn	> 140 "
Ag	> 1.0 "

Harold M Jones

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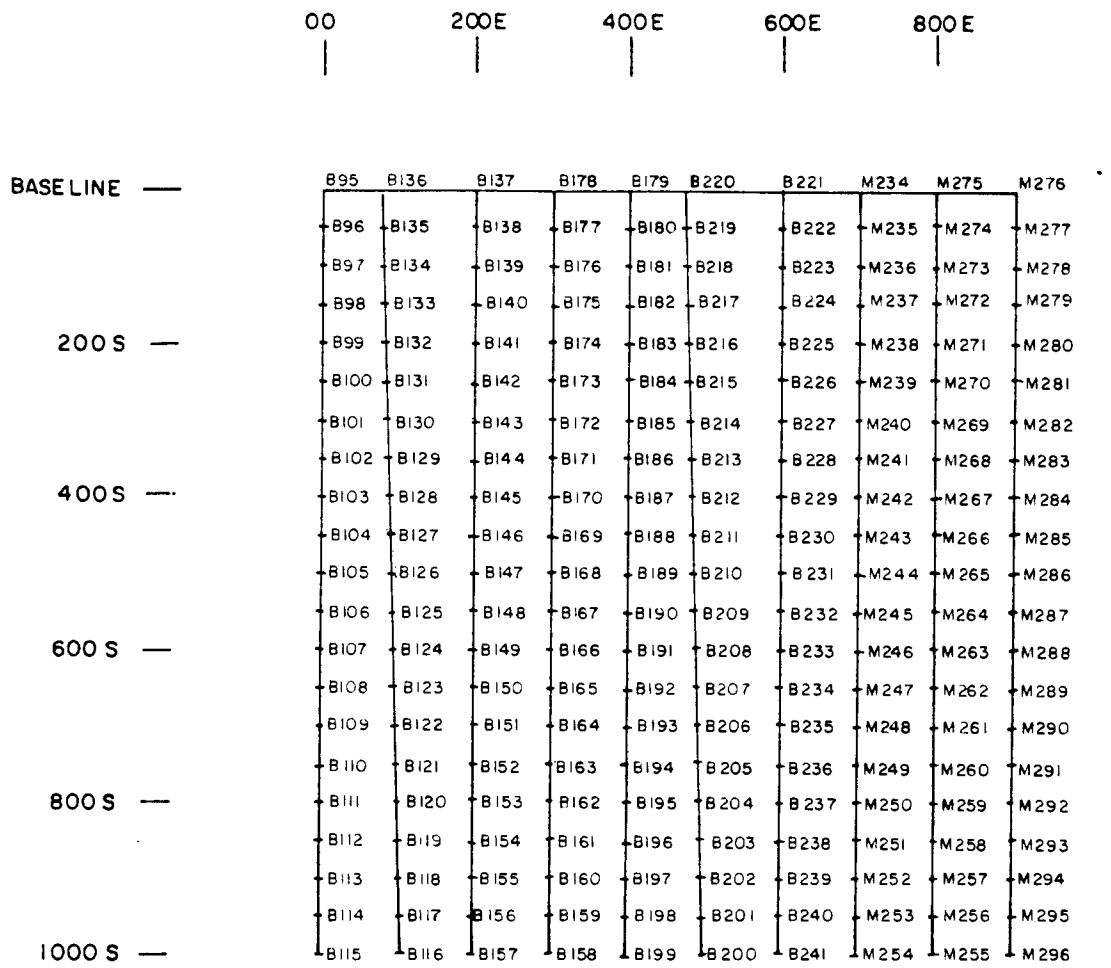
SILT GEOCHEM. MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.

KAMLOOPS M.D.

SCALE 1:15,840	JULY 1979	FIG. 4
H. JONES		



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M255 - Soil sample number

Harold M Jones

0 500 METRES

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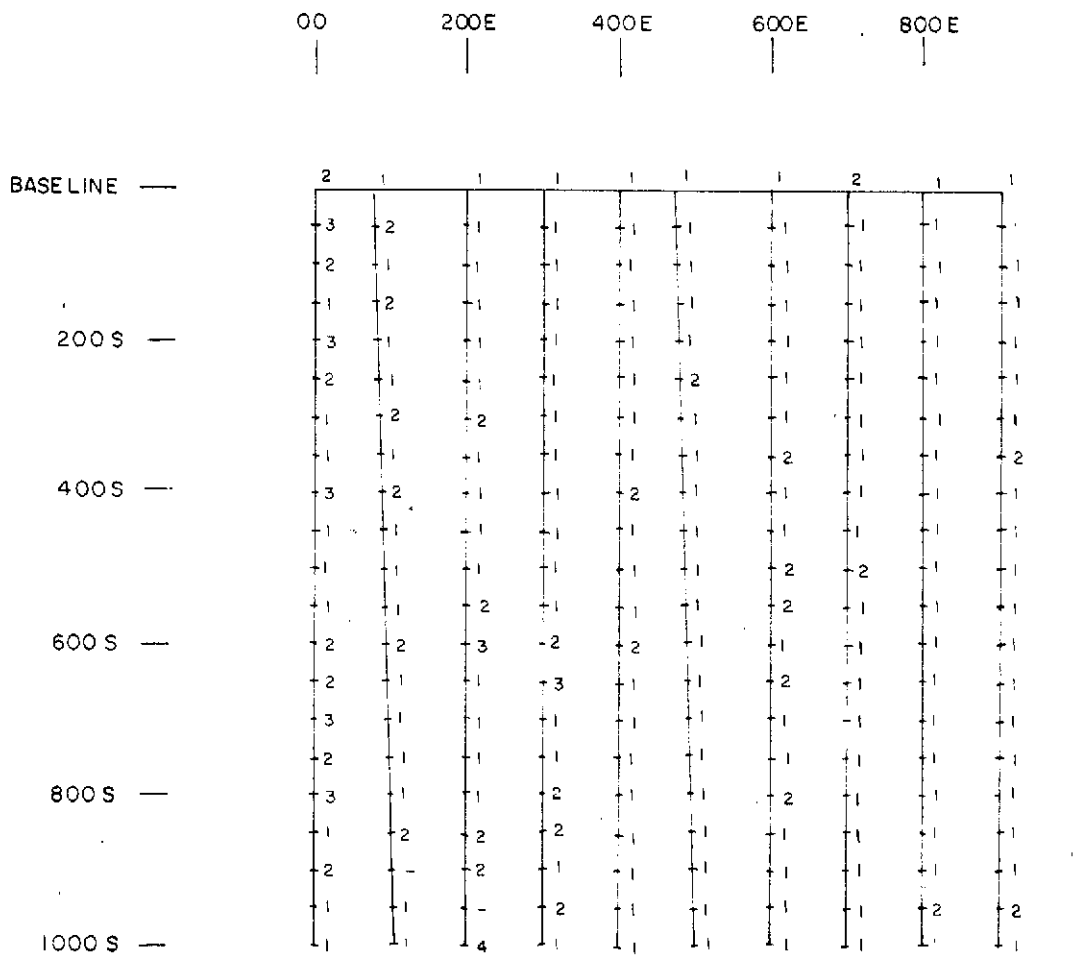
SAMPLE LOCATION MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

SCALE 1:10,000	JULY 1979	FIG. 5
H. JONES		

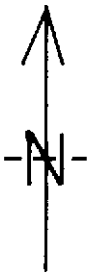


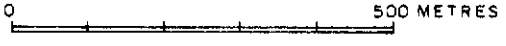
LEGEND

5 - 10 ppm - possible anomalous

>10 ppm - anomalous

Mo in ppm





Harold M Jones

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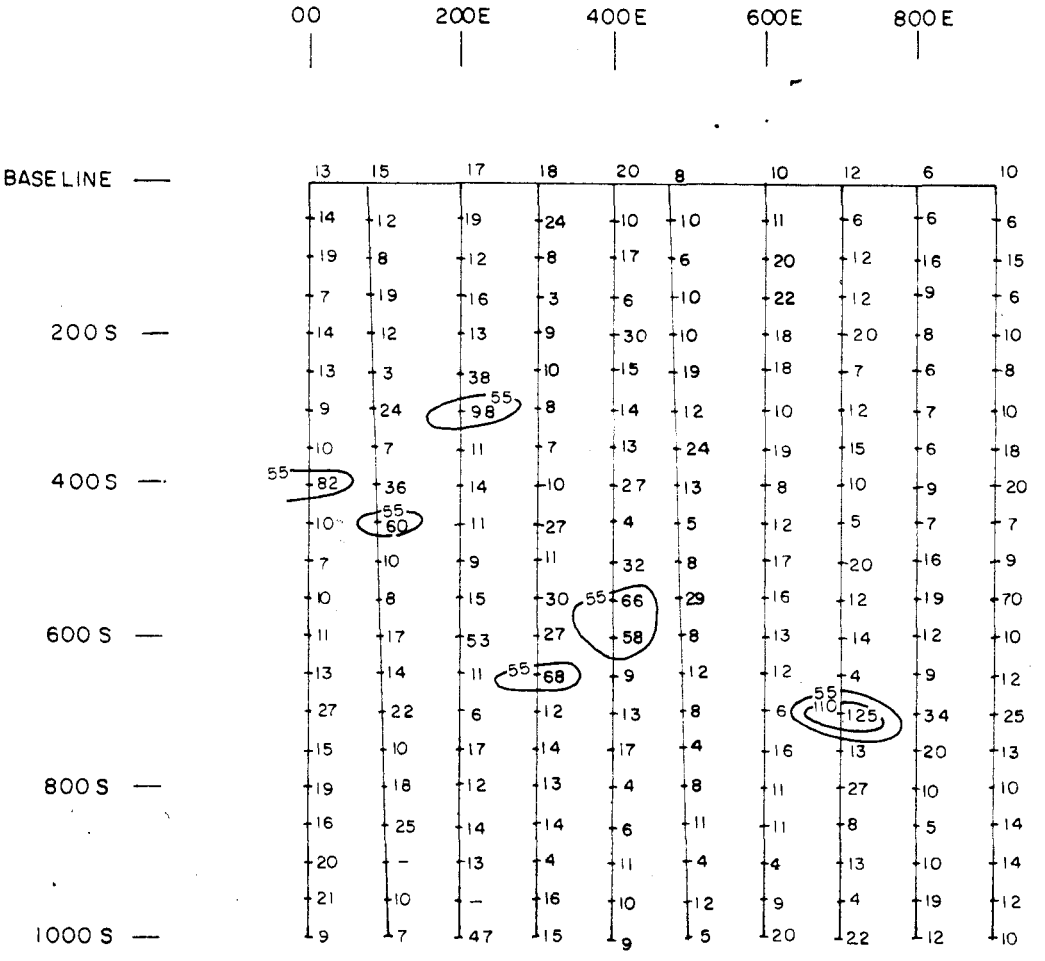
GEOCHEMISTRY MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.

KAMLOOPS M.D.

SCALE 1:10,000	JULY 1979	FIG. 6
H. JONES		



LEGEND

55 - 110 ppm — possible anomalous
110 - 220 " — probably "
> 220 " — definitely "

Cu in ppm

Howard M Jones

0 500 METRES

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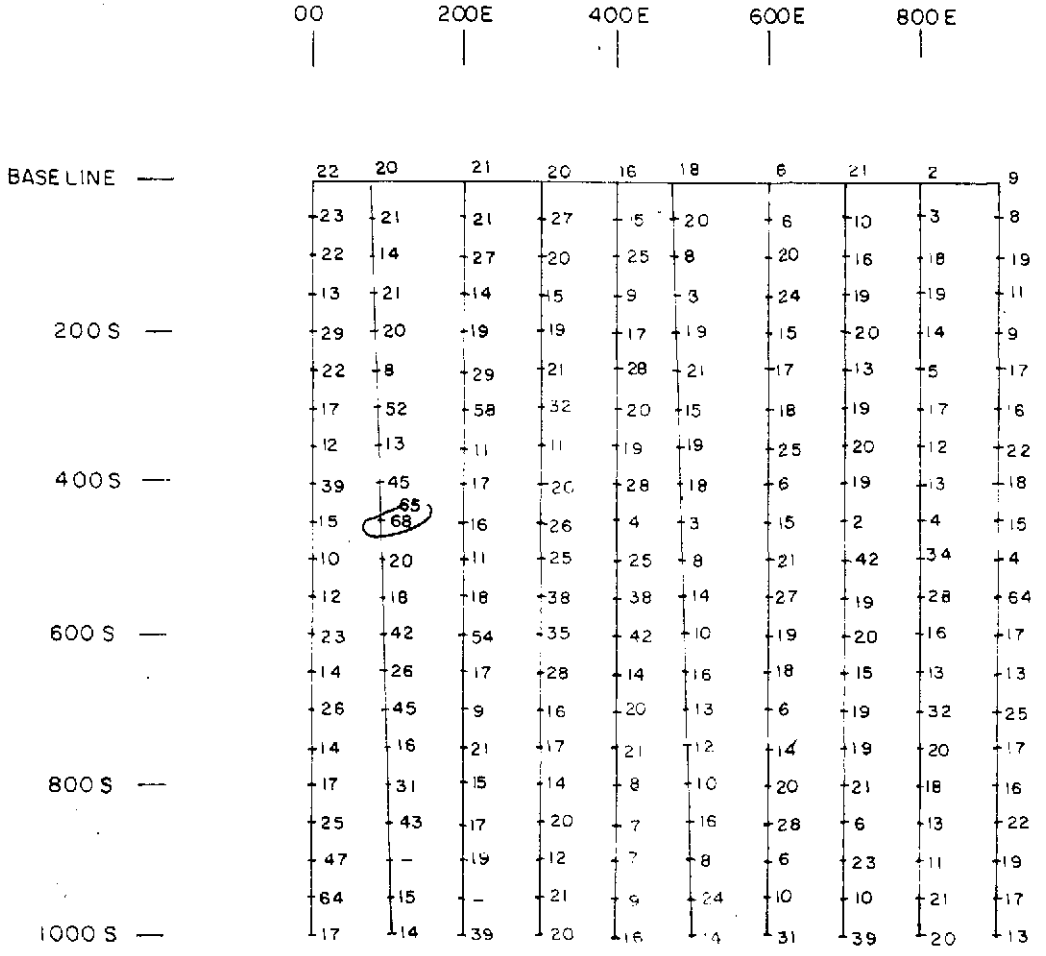
GEOCHEMISTRY MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

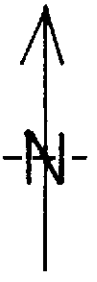
SCALE 1:10,000	JULY 1979	FIG. 7
H. JONES		



LEGEND

65-130 ppm – possibly anomalous
130-260 " – probably "
>260 " – definitely "

Pb in ppm



Ronald M Jones

0 500 METRES

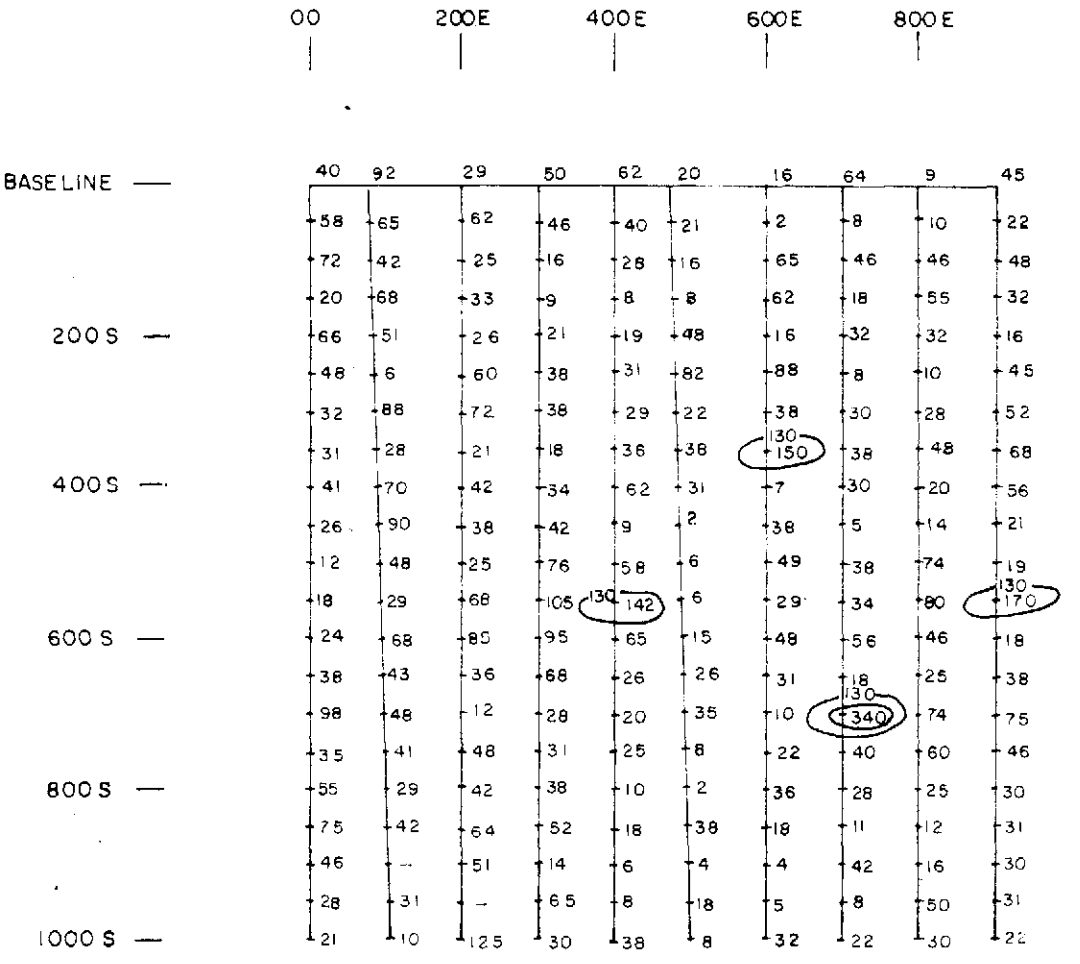
G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

GEOCHEMISTRY MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

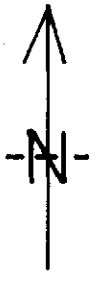
SCALE 1:10,000	JULY 1979	FIG. 8
H. JONES		

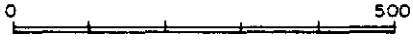


LEGEND

130 - 260 ppm — possibly anomalous
260 - 520 " — probably "
>520 " — definitely "

Zn in ppm





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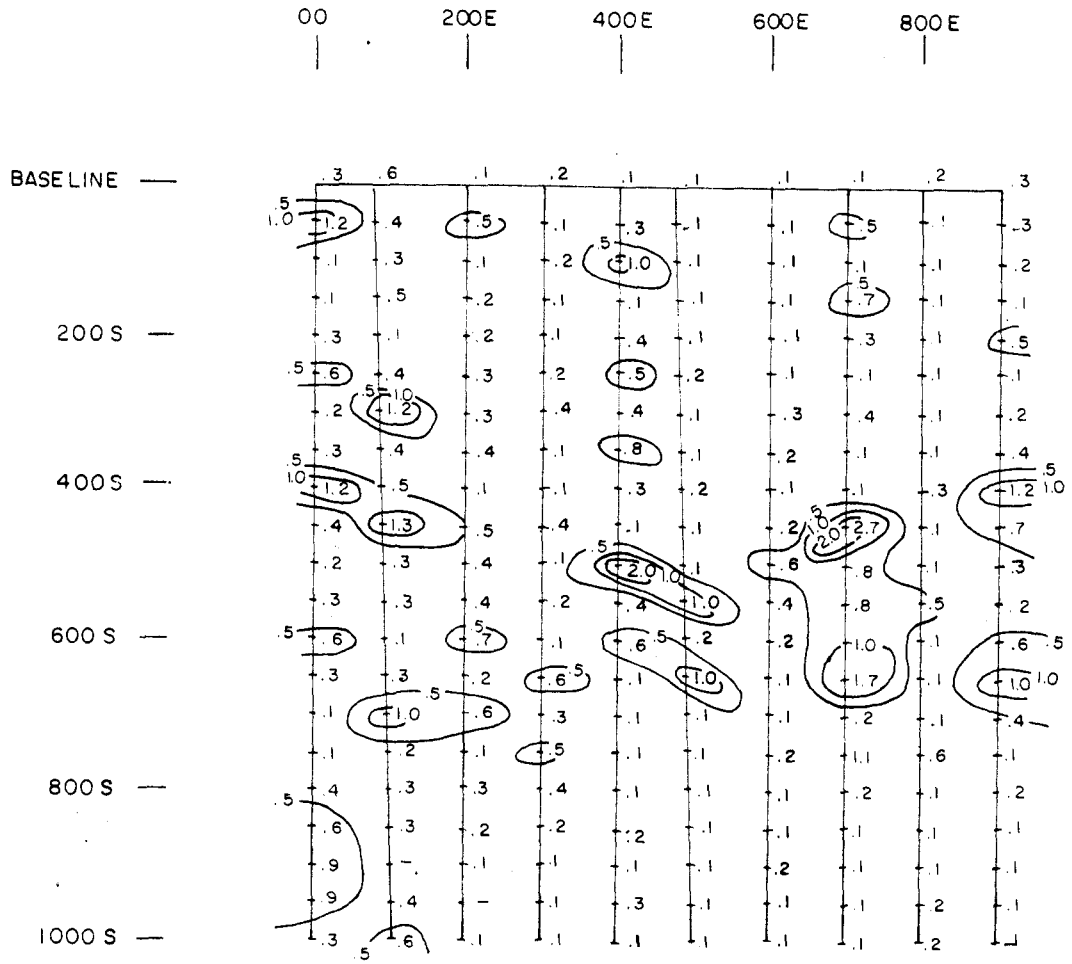
GEOCHEMISTRY MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

SCALE 1:10,000	JULY 1979	FIG: 9
H. JONES		



LEGEND

.5 - 1.0 ppm — possibly anomalous
1.0 - 2.0 " — probably "
> 2.0 " — definitely "

Ag in ppm

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

GEOCHEMISTRY MAP

SILENCE CLAIMS GROUP

RAFT RIVER AREA, B.C.
KAMLOOPS M.D.

SCALE 1:10,000	JULY 1979	FIG. 10
H. JONES		

Mo in ppm	Cu in ppm	Zn in ppm	Pb in ppm	Ag in ppm	Class feature
< 5	< 55	< 130	< 65	< 0.5	background
5-10	55-110	130-260	65-130	0.5-1.0	possibly anomalous
10-20	110-220	260-520	130-260	1.0-2.0	probably "
> 20	> 220	> 520	> 260	> 2.0	definitely "

No samples showed any WO_3 content, consequently this element was not included in the above studies, nor were they plotted on a map.

Silt assays were reviewed separately and, except for zinc, their distributions of elements were very similar to those for the soils.

From a plot of zinc silt assays the following values were obtained:

< 100 ppm background
100-140 ppm possibly anomalous
140-180 ppm probably "
> 180 ppm definitely "

A map was prepared of the grided area for each element and contoured according to the above soil values. (See Figures 5 - 10).

Silver is the only element showing any anomalous values. Several of these occur in the central part of the grid (see Figure 10). Other lower order silver anomalies are also present within the grid. These show a clustering in the central part of the grid, developing an east-west trending zone approximately 200 metres wide. Most of the anomalous values occur in samples taken from organic-rich soils or from swampy ground.

The zinc geochemical map (Figure 9) shows several possible anomalies and one probable anomaly, all of which are coincident with silver anomalies. These values are all low and may not be significant since they are in organic-rich soil.

No other elements showed any significant values.

Silt sample assays are shown on Figure 4. Two samples are probably anomalous in zinc, all other elements are in the background range.

Two samples of mineralized float were assayed. Both returned the same values 0.001% Mo, 0.01% Cu, 0.01% Pb, 0.01 oz/t Ag, and Tr WO_3.

CONCLUSIONS

The field work did not locate any mineralized zones nor did it find any indications that one might be present. The soil is well developed over most of the property and is thought to be shallow. This being the case, the geochemical sampling should have indicated the presence of a mineralized zone.

Mineralization, occurring as thin massive lenses 2-4 cm. thick, were seen in float. They were composed of pyrrhotite with minor pyrite, chalcopyrite and galena(?). Mineralization in this form could be the cause of the odd scattered weak anomalies.

It is concluded that these claims warrant no further work at the present time.

Recommendations

It is recommended that the work expenditures be applied as one year's assessment work on the Silence 2 and 3 claims (Silence Group).

STATEMENT OF COSTS

Office	- assembling all data, literature research	$ 100.00
Wages	- W. Vanderpol - 6 days @ $175/day	1,050.00
	- W.F. McKenzie - 5 " @ $50/day	250.00
	- W. Buckler - 5 " @ $50/day	250.00
Camp	- equipment, food, etc.	554.00
Transportation	- 4x4 truck, helicopter	941.20
Assays	- 239 samples @ $5.00/assay	1,195.00
Mobilization, Demobilization		200.00
Report and Map Preparation		
	H. M. Jones, P.Eng.	200.00
	W. Vanderpol	87.50
	F. Chong, drafting	150.00
	Secretarial - typing, xeroxing	50.00
		$5,027.50
		.70

Respectively submitted,

Harold M. Jones

HAROLD M. JONES, P.Eng.

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REFERENCES

Beckman, H. (1975) - C. K. Option, ULO, Raft and North Claims, Clearwater, B. C., Report on Geophysical Survey, Assessment Report by Rio Tinto Can. Expl'n. Ltd.

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Sanguinetti, M. H. (1976) - Report on the C. K. Option, private company report by Cordilleran Engineering Ltd.

Seraphim, R. H. (1974) - Report on the C. K. Claims, Raft River, Kamloops M.D., private company report.

Wheeler, J. O. (1965) - Big Bend Map area, B. C., Geol. Surv. Can., paper 64-32.

CERTIFICATE

I, Harold M. Jones, of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a Consulting Engineer, and a partner in the firm of G. A. Noel & Associates.
2. I am a graduate of the University of British Columbia in Geological Engineering, 1956.
3. I am a registered Professional Engineer of the Province of British Columbia and also a member of the Canadian Institute of Mining and Metallurgy.
4. I have practised my profession continuously since 1956 in mining exploration in British Columbia, Saskatchewan, Yukon and Northwest Territories, Alaska, Arizona and Australia.
5. I have reviewed all the data listed under References in this report.
6. I did not work on the property but I planned the work program and reviewed all of the results. I have not received, nor do I expect to receive any interest, direct or indirect in the Silence claim group.
7. W. J. Coulter is hereby given permission to reproduce this report, or any part of it, for the purposes of a financial prospectus; provided, however, that no portion may be used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

DATED at VANCOUVER, B. C. this 14th day of August, 1979.

Harold M. Jones

HAROLD M. JONES, P.Eng.

CERTIFICATE

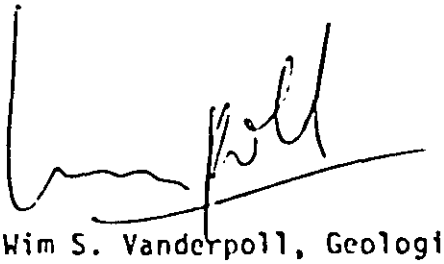
I, Wim S. Vanderpoll of West Vancouver, British Columbia, do hereby certify that:

1. I am a geologist, residing at 405, 2187 Bellevue Avenue, West Vancouver, B.C.

2. I am a graduate of the University of Tulsa - B.Sc. (1972), and a member of the Can. Institute of Mining. I have practised my profession for seven years in British Columbia, the Yukon and Northwest Territories, Saskatchewan and Alaska.

3. I am the co-author of this report which is based on the results of previous exploration programs as well as the program conducted during July of 1979 under my direction.

4. I have no direct or indirect interest in the property described in this report nor do I expect to receive any.



Wim S. Vanderpoll, Geologist

July 17, 1979

APPENDIX I

Geochemical Assays and Distribution Curves

FIGURE 11

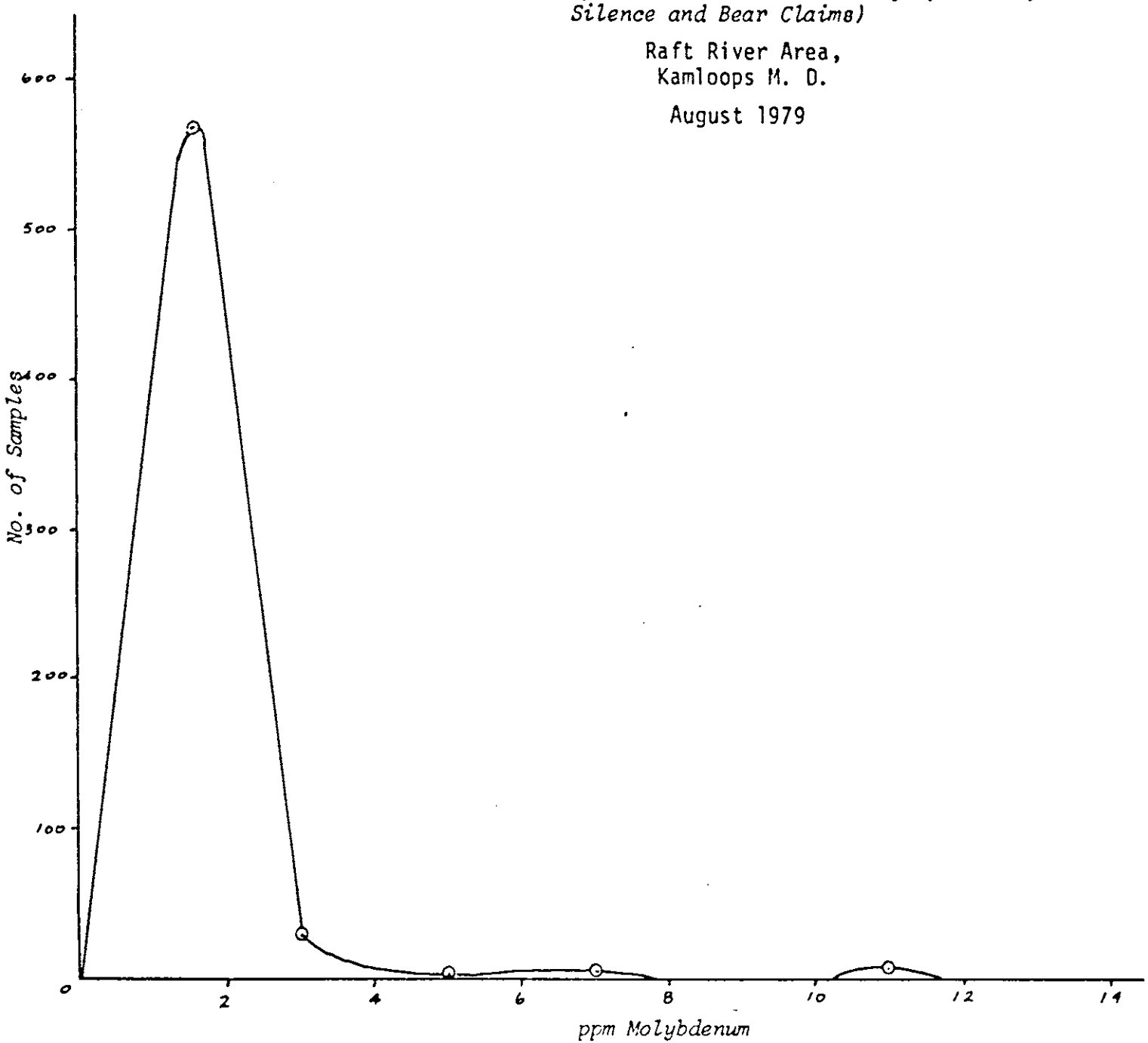
FREQUENCY DISTRIBUTION CURVE

Molybdenum in ppm

(From compilation of all soil assays from LKY, Silence and Bear Claims)

Raft River Area,
Kamloops M. D.

August 1979



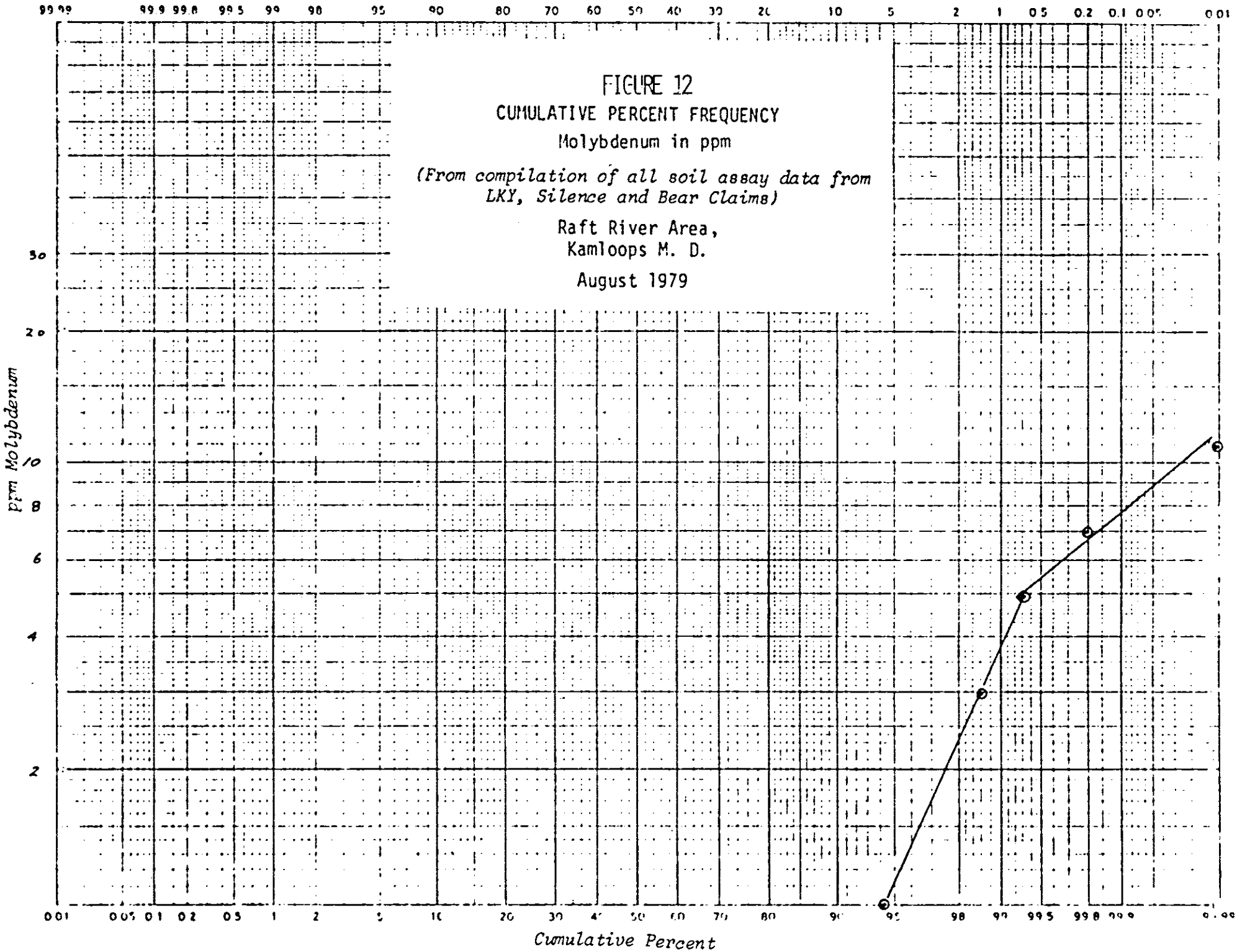


FIGURE 12
CUMULATIVE PERCENT FREQUENCY
Molybdenum in ppm
(From compilation of all soil assay data from LKY, Silence and Bear Claims)
Raft River Area,
Kamloops M. D.
August 1979
ppm Molybdenum
Cumulative Percent

FIGURE 13

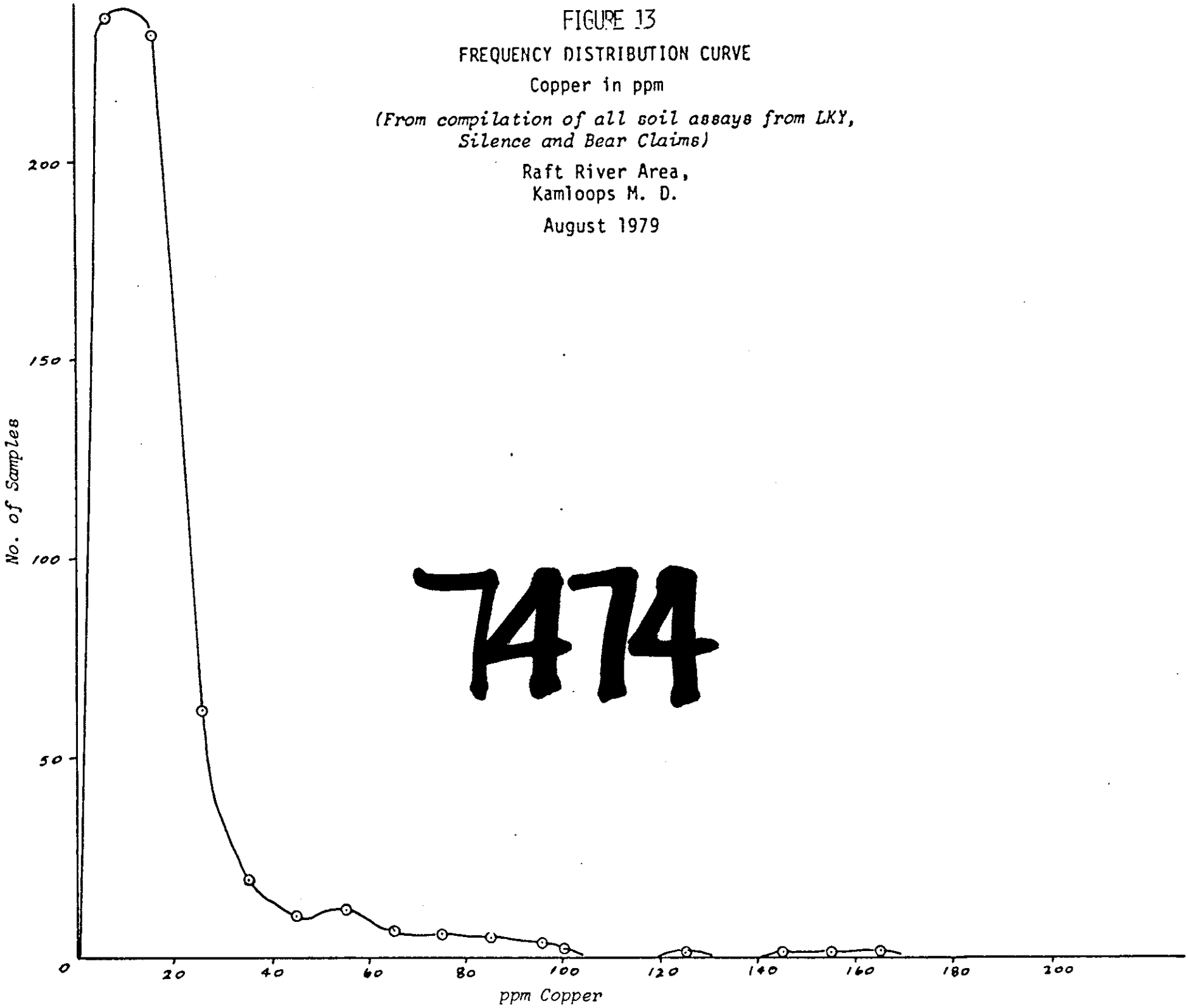
FREQUENCY DISTRIBUTION CURVE

Copper in ppm

(From compilation of all soil assays from LKY, Silence and Bear Claims)

Raft River Area,
Kamloops M. D.

August 1979



7474

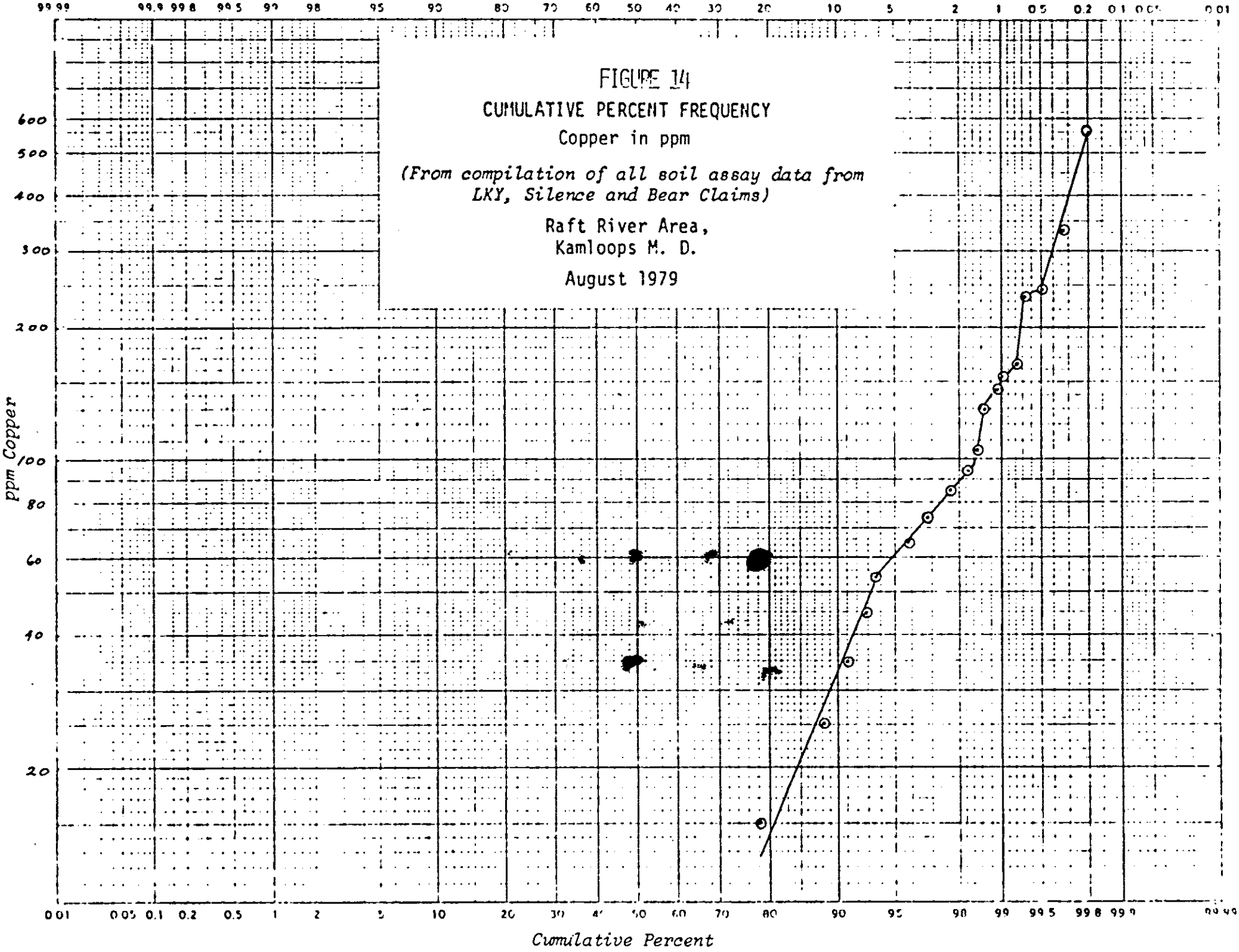


FIGURE 14
CUMULATIVE PERCENT FREQUENCY
Copper in ppm
(From compilation of all soil assay data from LKY, Silence and Bear Claims)
Raft River Area,
Kamloops M. D.
August 1979
ppm Copper
Cumulative Percent

FIGURE 15

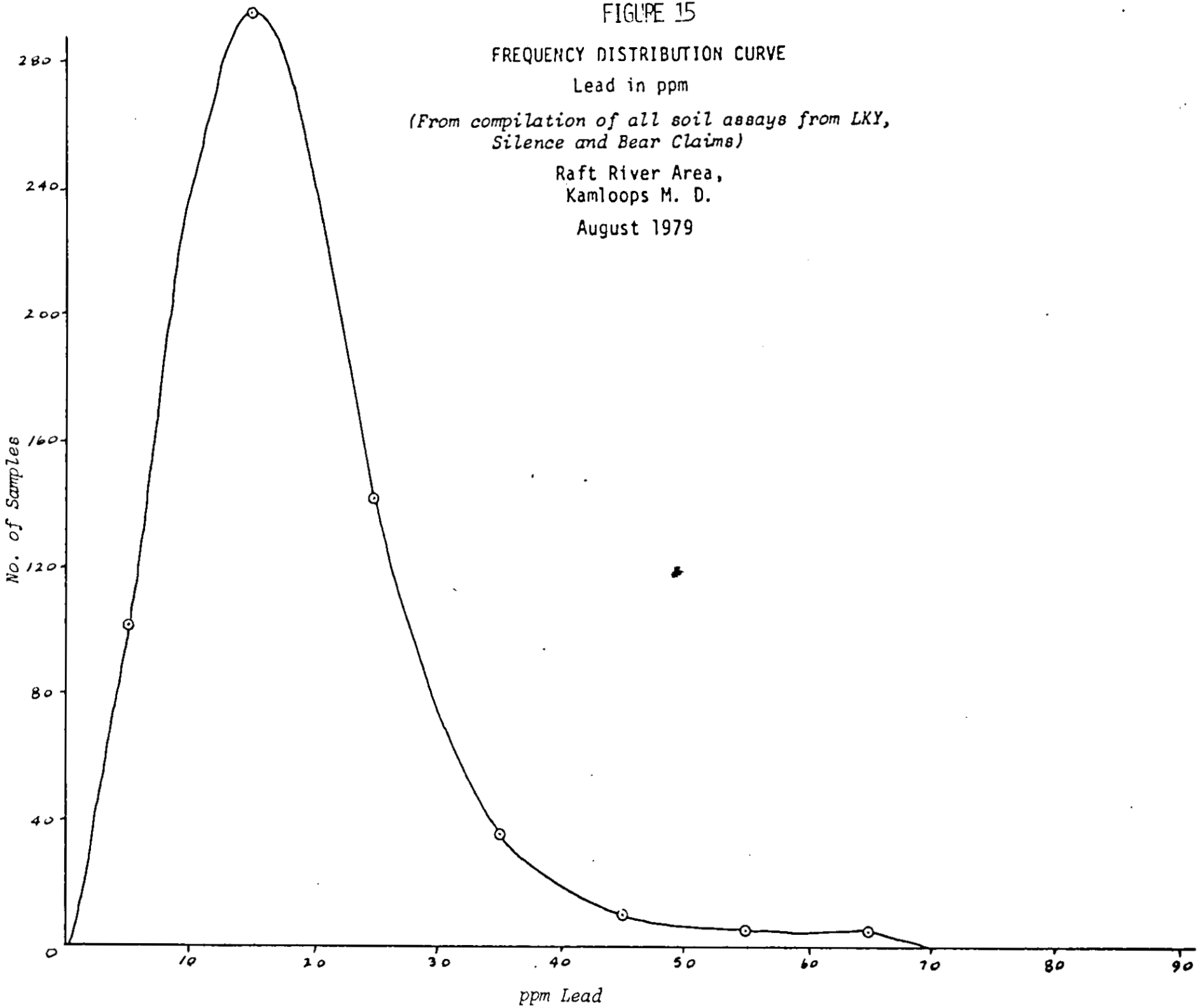
FREQUENCY DISTRIBUTION CURVE

Lead in ppm

(From compilation of all soil assays from LKY, Silence and Bear Claims)

Raft River Area,
Kamloops M. D.

August 1979



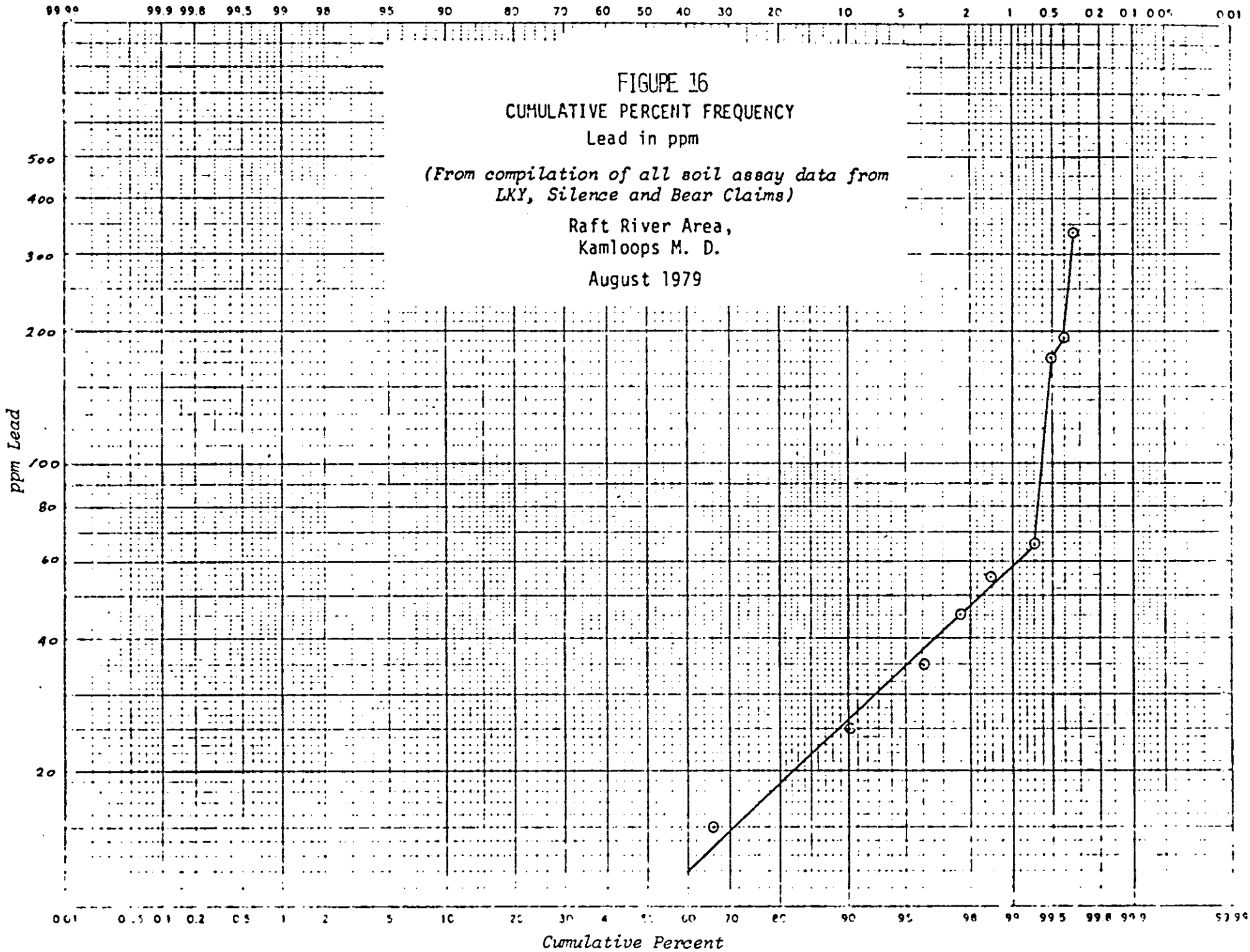

FIGUPE 16
CUMULATIVE PERCENT FREQUENCY
Lead in ppm
(From compilation of all soil assay data from LKY, Silence and Bear Claims)
Raft River Area,
Kamloops M. D.
August 1979
ppm Lead
Cumulative Percent

FIGURE 17

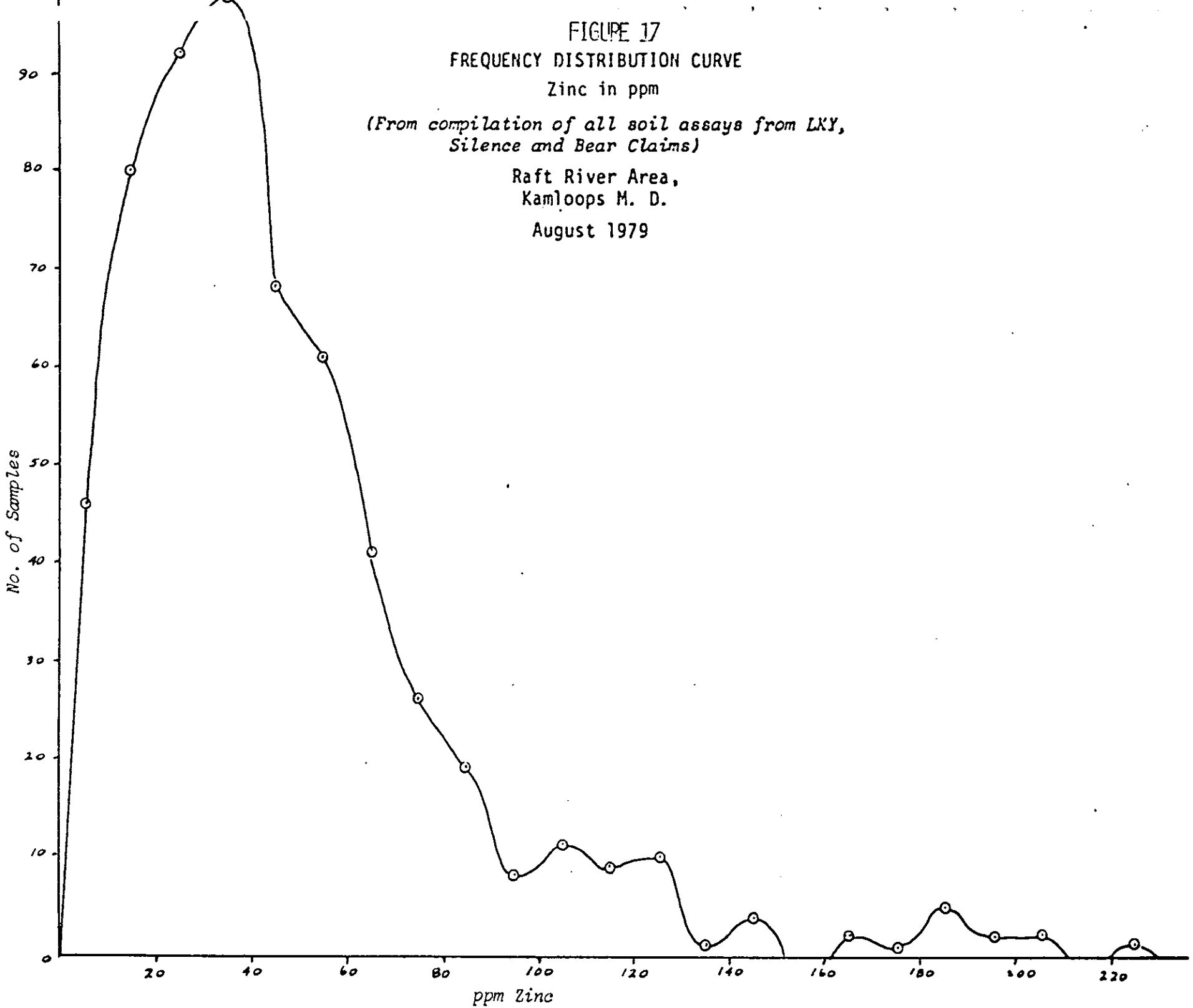
FREQUENCY DISTRIBUTION CURVE

Zinc in ppm

(From compilation of all soil assays from LKY, Silence and Bear Claims)

Raft River Area,
Kamloops M. D.

August 1979



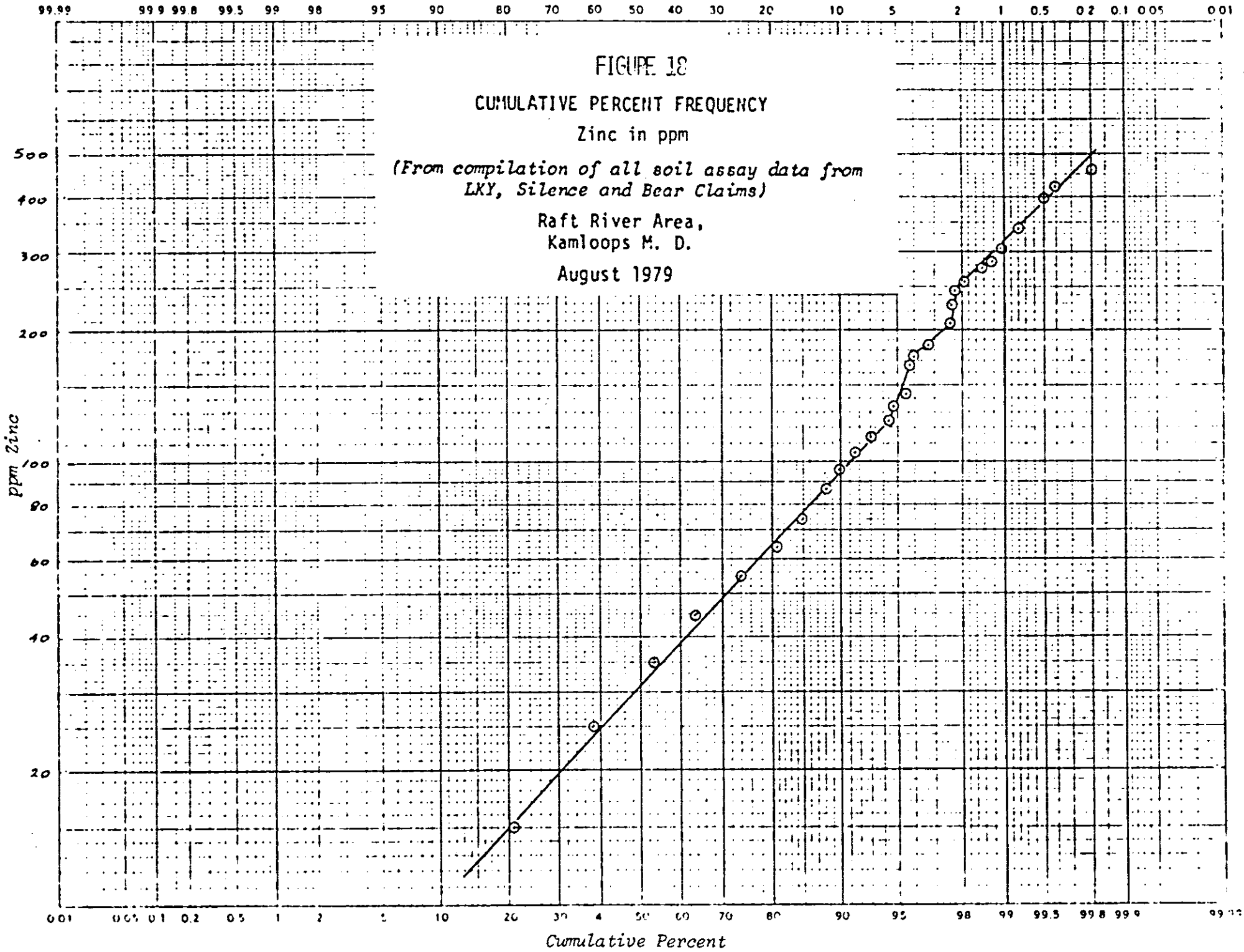


FIGURE 18
CUMULATIVE PERCENT FREQUENCY
Zinc in ppm
(From compilation of all soil assay data from LKY, Silence and Bear Claims)
Raft River Area,
Kamloops M. D.
August 1979
ppm Zinc
Cumulative Percent

FIGURE 19

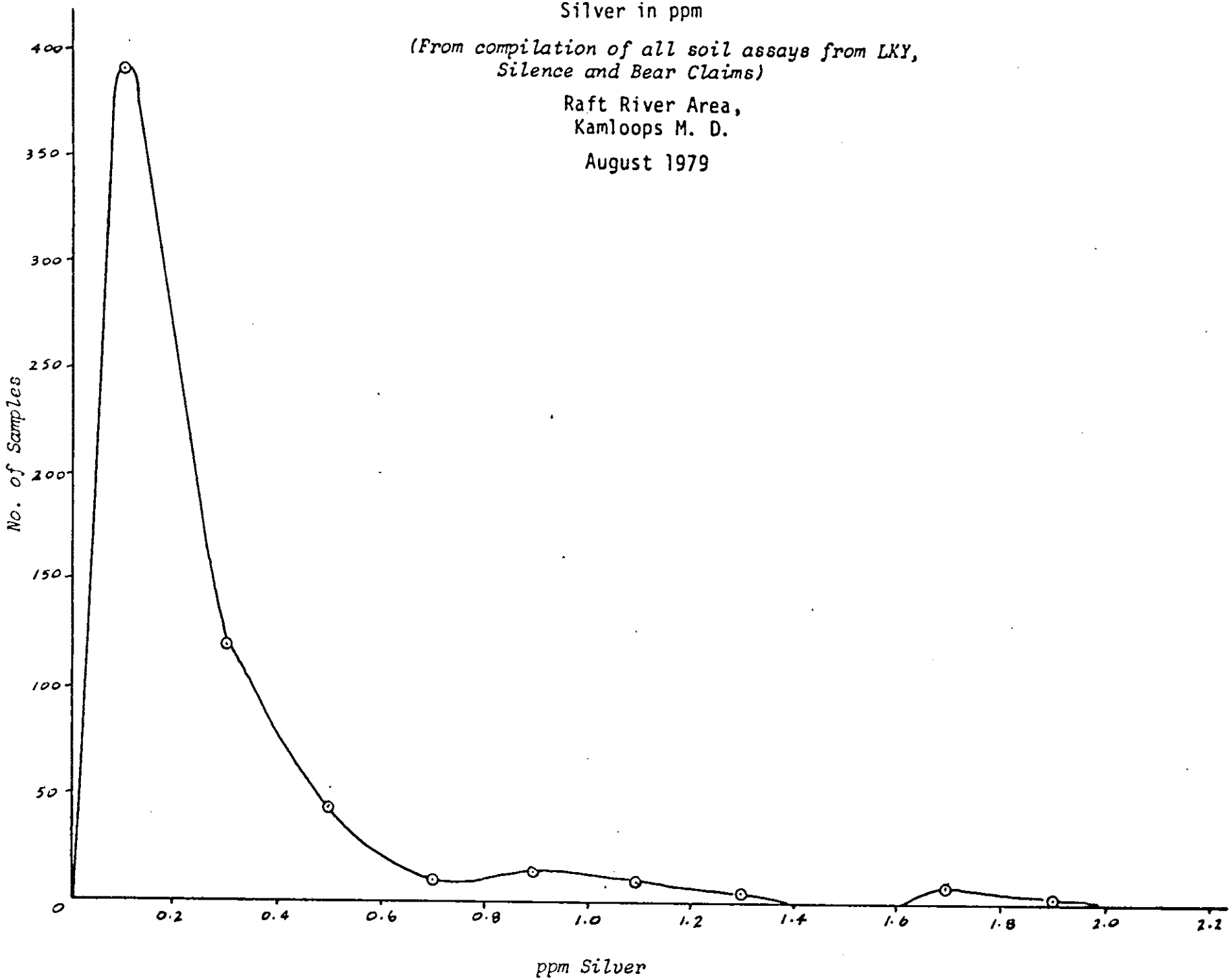
FREQUENCY DISTRIBUTION CURVE

Silver in ppm

(From compilation of all soil assays from LKY, Silence and Bear Claims)

Raft River Area,
Kamloops M. D.

August 1979



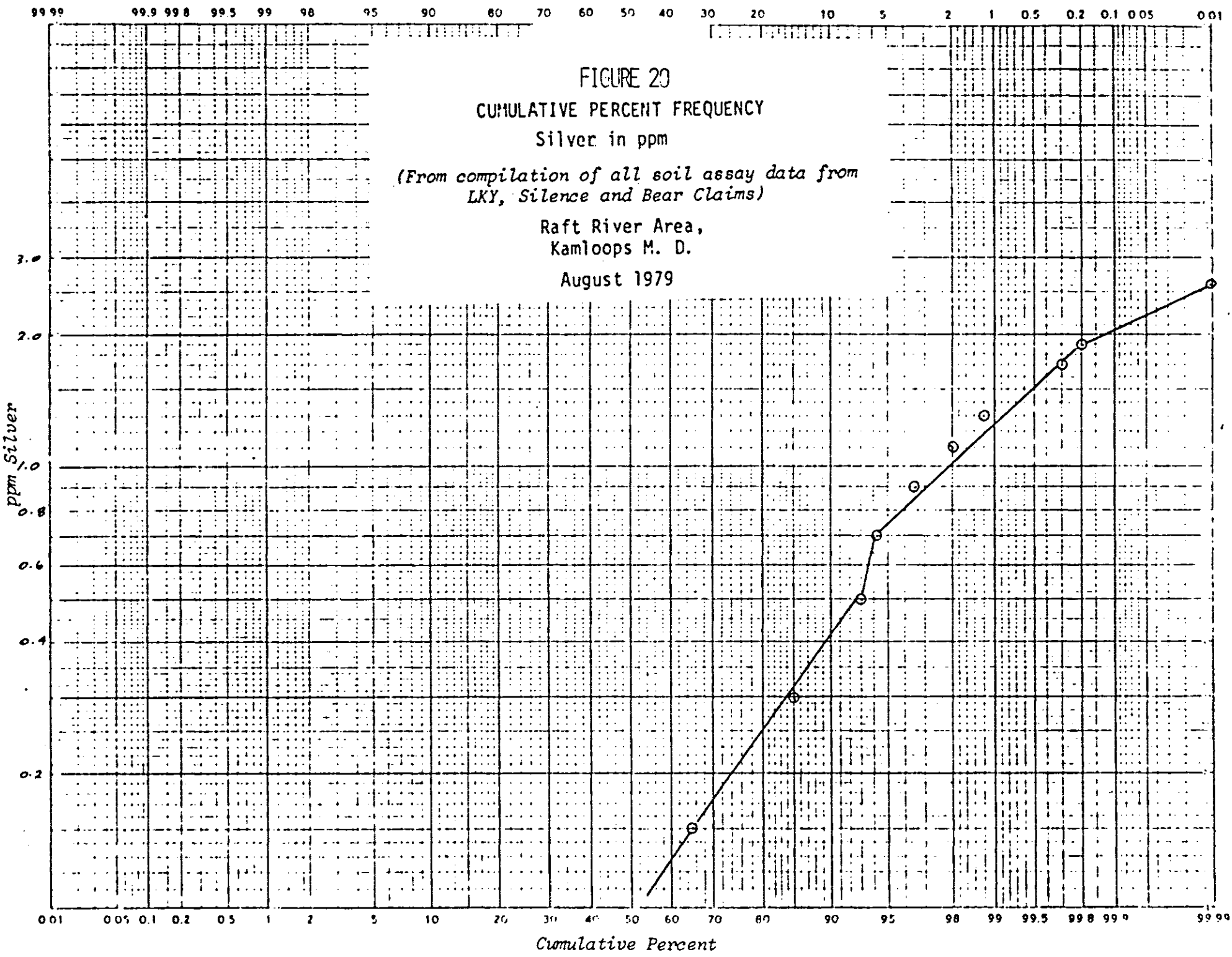


FIGURE 20
CUMULATIVE PERCENT FREQUENCY
Silver in ppm
(From compilation of all soil assay data from LKY, Silence and Bear Claims)
Raft River Area,
Kamloops M. D.
August 1979
ppm Silver
3.0
2.0
1.0
0.8
0.6
0.4
0.2
99.99 99.9 99.8 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01
0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99
Cumulative Percent

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V6B 1L8

File No. 0276
Type of Samples Rock
Disposition Page 1 of 19

ASSAY CERTIFICATE

No.	Sample	Mo%	Cu%	Pb%	Zn%	Ag oz/ton	W%		No.
1	001951	.001	.01	.01		.01	Trace	SILENCE	1
2	001952	.001	.01	.01		.01	Trace	CLAIM	2
3	001953		.01	.01	.01	.01		GROUP	3
4									4
5									5
6									6
7									7
8									8
9									9
10									10
11									11
12									12
13									13
14									14
15									15
16									16
17									17
18									18
19									19
20									20

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DATE REPORTS MAILED July 24, 1979
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File No. 0276
Type of Samples Soil
Disposition Page 2 of 19

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W
V 1	2	18	18	58	.1	0
V 2	1	5	13	8	.2	0
B 1	1	2	2	7	.1	0
2	2	10	17	32	.1	0
3	2	26	22	52	.1	0
4	2	17	25	60	.2	0
5	1	14	18	32	.2	0
6	1	2	2	8	.1	0
7	1	8	15	28	.2	0
8	2	14	18	50	.3	0
9	No Sample					
10	1	14	13	36	.1	0
11	1	11	15	25	.1	0
12	1	16	16	85	.1	0
13	1	14	13	29	.1	0
14	1	16	16	38	.2	0
15	1	10	15	21	.2	0
16	2	12	15	32	.1	0
17	1	16	16	42	.2	0
18	2	13	15	42	.3	0
19	2	11	15	30	.1	0
20	1	14	13	41	.2	0
21	1	8	10	35	.1	0
22	1	10	13	30	.5	0
23	2	18	17	72	.4	0
24	1	15	19	62	.1	0
25	1	3	4	17	.1	0
26	1	6	8	20	.2	0
27	2	12	17	56	.2	0
28	2	18	18	64	.3	0
29	2	12	17	48	.1	0
30	1	5	20	12	.1	0
31	1	17	23	40	.3	0
32	1	13	24	48	.4	0
33	2	550	340	605	1.3	0
34	2	16	24	56	.7	0
B 35	2	23	23	51	.4	0

} SILENCE CLAIM GROUP

↓

FROM LKY CLAIM GROUP

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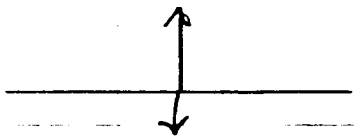
Type of Samples Soil
Disposition page 4 of 19

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W
B 74	2	10	21	50	.1	0
75	2	16	20	60	.1	0
76	2	13	15	52	.2	0
77	3	27	16	58	.2	0
78	2	12	35	55	.5	0
79	1	14	18	44	.1	0
80	3	16	30	205	.1	0
81	1	11	13	51	.1	0
82	1	4	14	20	.1	0
83	1	5	9	15	.1	0
84	3	22	22	60	.1	0
85	3	23	20	112	.2	0
86	2	17	28	102	.3	0
87	1	6	8	11	.1	0
88	3	11	11	38	.1	0
89	1	4	2	11	.1	0
90	4	19	15	62	.6	0
91	3	16	23	78	.1	0
92	3	20	24	95	.2	0
93	2	17	22	64	.1	0
94	1	72	194	290	.4	0
95	2	13	22	40	.3	0
96	3	14	23	58	1.2	0
97	2	19	22	72	.1	0
98	1	7	13	20	.1	0
99	3	14	29	66	.3	0
100	2	13	22	48	.6	0
101	1	9	17	32	.2	0
102	1	10	12	31	.3	0
103	3	82	39	41	1.2	0
104	1	10	15	26	.4	0
105	1	7	10	12	.2	0
106	1	10	12	18	.3	0
107	2	11	23	24	.6	0
108	2	13	14	38	.3	0
109	3	27	26	98	.1	0
110	2	15	14	35	.1	0
B 111	3	19	17	55	.4	0

LKY GROUP



FROM SILENCE GROUP

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Type of Samples Soil
Disposition page 5 of 19

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
B 112	1	16	25	75	.6	5	1
113	2	20	47	46	.9	0	2
114	1	21	64	28	.9	0	3
115	1	9	17	21	.3	0	4
116	1	7	14	10	.6	0	5
117	1	10	15	31	.4	0	6
118	NO Sample						7
119	2	25	43	42	.3	0	8
120	1	18	31	29	.3	0	9
121	1	10	16	41	.2	0	10
122	1	22	45	48	1.0	0	11
123	1	14	26	43	.3	0	12
124	2	17	42	68	.1	0	13
125	1	8	18	29	.3	0	14
126	1	10	20	48	.3	0	15
127	1	60	68	90	1.3	0	16
128	2	36	45	70	.5	0	17
129	1	7	13	28	.4	0	18
130	2	24	52	88	1.2	0	19
131	1	3	8	6	.4	0	20
132	1	12	20	51	.1	0	21
133	2	19	21	68	.5	0	22
134	1	8	14	42	.3	0	23
135	2	12	21	65	.4	0	24
136	1	15	20	92	.6	0	25
137	1	17	21	29	.1	0	26
138	1	19	21	62	.5	0	27
139	1	12	27	25	.1	0	28
140	1	16	14	33	.2	0	29
141	1	13	19	26	.2	0	30
142	1	38	29	60	.3	0	31
143	2	98	58	72	.3	0	32
144	1	11	11	21	.4	0	33
145	1	14	17	42	.1	0	34
146	1	11	16	38	.5	0	35
147	1	9	11	25	.4	0	36
148	2	15	18	68	.4	0	37
B 149	3	53	54	85	.7	0	38
							39
							40

1474

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Type of Samples Soil

Disposition Page 6 of 19

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
B 150	1	11	17	36	.2	0	1
151	1	6	9	12	.6	0	2
152	1	17	21	48	.1	0	3
153	1	12	15	42	.3	0	4
154	2	14	17	64	.2	0	5
155	2	13	19	51	.1	0	6
156	No Sample						7
157	4	47	39	125	.1	0	8
158	1	15	20	30	.1	0	9
159	2	16	21	65	.1	0	10
160	1	4	12	14	.1	0	11
161	2	14	20	52	.2	0	12
162	2	13	14	38	.4	0	13
163	1	14	17	31	.5	0	14
164	1	12	16	28	.3	0	15
165	3	68	28	68	.6	0	16
166	2	27	35	95	.1	0	17
167	1	30	38	105	.2	0	18
168	1	11	25	76	.1	0	19
169	1	27	26	42	.4	0	20
170	1	10	20	34	.1	0	21
171	1	7	11	18	.1	0	22
172	1	8	32	38	.4	0	23
173	1	10	21	38	.2	0	24
174	1	9	19	21	.1	0	25
175	1	3	15	9	.1	0	26
176	1	8	20	16	.2	0	27
177	1	24	27	46	.1	0	28
178	1	18	20	50	.2	0	29
179	1	20	16	62	.1	0	30
180	1	10	15	40	.3	0	31
181	1	17	25	28	1.0	0	32
182	1	6	9	8	.1	0	33
183	1	30	17	19	.4	0	34
184	1	15	28	31	.5	0	35
185	1	14	20	29	.4	0	36
186	1	13	19	36	.8	0	37
B 187	2	27	28	62	.3	0	38
							39
							40

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Type of Samples ~~Soil~~

Disposition page 2 of 9

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
B 188	1	4	4	9	.1	0	1
189	1	32	25	58	2.0	0	2
190	1	66	38	142	.4	0	3
191	2	58	42	65	.6	0	4
192	1	9	14	26	.1	0	5
193	1	13	20	20	.1	0	6
194	1	17	21	25	.1	0	7
195	1	4	8	10	.1	0	8
196	1	6	7	18	.2	0	9
197	1	11	7	6	.1	0	10
198	1	10	9	8	.3	0	11
199	1	9	16	38	.1	0	12
200	1	5	14	8	.1	0	13
201	1	12	24	18	.1	0	14
202	1	4	8	4	.1	0	15
203	1	11	16	38	.1	0	16
204	1	8	10	2	.1	0	17
205	1	4	12	8	.1	0	18
206	1	8	13	35	.1	0	19
207	1	12	16	26	1.0	0	20
208	1	8	10	15	.2	0	21
209	1	29	14	6	1.0	0	22
210	1	8	8	6	.1	0	23
211	1	5	3	2	.1	0	24
212	1	13	18	31	.2	0	25
213	1	24	19	38	.1	0	26
214	1	12	15	22	.1	0	27
215	2	19	21	82	.2	0	28
216	1	10	19	48	.1	0	29
217	1	10	3	8	.1	0	30
218	1	6	8	16	.1	0	31
219	1	10	20	21	.1	0	32
220	1	8	18	20	.1	0	33
221	1	10	6	16	.1	0	34
222	1	11	6	2	.1	0	35
223	1	20	20	65	.1	0	36
224	1	22	24	62	.1	0	37
B 225	1	18	15	16	.1	0	38
							39
							40

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DIGESTION:

DETERMINATION:

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Type of Samples Soil
Disposition page 1 of 1

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
B 226	1	18	17	88	.1	0	1
227	1	10	18	38	.3	0	2
228	2	19	25	150	.2	0	3
229	1	8	6	7	.1	0	4
230	1	12	15	38	.2	0	5
231	2	17	21	49	.6	0	6
232	2	16	27	29	.4	0	7
233	1	13	19	48	.2	0	8
234	2	12	18	31	.1	0	9
235	1	6	6	10	.1	0	10
236	1	16	14	22	.2	0	11
237	2	11	20	36	.1	0	12
238	1	11	28	18	.1	0	13
239	1	4	6	4	.2	0	14
240	1	9	10	5	.1	0	15
241	1	20	31	32	.1	0	16
242	9	22	28	70	.3	0	17
243	5	20	28	65	.3	0	18
244	5	18	27	51	.1	0	19
245	8	6	21	40	.1	0	20
246	8	20	26	68	.6	0	21
247	8	16	21	50	.2	0	22
248	7	19	20	51	.1	0	23
249	1	6	12	20	.1	0	24
250	4	12	17	60	.1	0	25
251	2	31	24	78	.1	0	26
252	2	18	6	8	.1	0	27
253	4	16	18	62	.1	0	28
254	1	9	16	49	.3	0	29
255	1	10	14	50	.3	0	30
256	1	7	13	48	.1	0	31
257	2	7	18	52	.4	0	32
258	2	13	24	60	.4	0	33
259	2	7	19	51	.1	0	34
260	2	10	13	58	.1	0	35
261	1	6	10	39	.2	0	36
262	1	2	5	19	.1	0	37
B 263	1	12	16	51	.1	0	38
							39
							40

SILENCE GROUP

SILENCE 1 CLAIM

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DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED July 18, 1979

DATE REPORTS MAILED July 25, 1979

ASSAYER Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To:
G. A. Noel & Associates

File No. 0276
Type of Samples Soil
Disposition page 2 of 3

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
B 264	2	14	37	68	.3	0	1
265	1	10	20	32	.4	0	2
266	1	6	13	10	.1	0	3
267	1	4	5	5	.1	0	4
268	1	3	11	8	.1	0	5
269	1	8	12	23	.1	0	6
270	1	4	10	6	.1	0	7
271	1	6	8	14	.1	0	8
272	1	6	11	19	.1	0	9
273	2	10	21	20	.5	0	10
274	1	9	13	25	.4	0	11
275	1	7	16	34	.2	30	12
276	1	12	174	42	1.8	20	13
277	2	17	49	102	.1	0	14
278	2	16	23	92	.1	0	15
279	3	18	26	30	.1	0	16
280	1	18	20	19	.2	0	17
281	1	7	19	14	.3	0	18
282	1	10	13	40	.4	0	19
283	1	37	39	118	.3	0	20
284	1	18	26	115	.4	0	21
285	1	15	18	116	.7	0	22
286	1	21	27	88	.3	0	23
287	1	56	34	245	.1	0	24
288	1	29	23	130	.3	0	25
289	1	17	22	76	.2	0	26
290	1	16	36	142	.4	0	27
291	1	14	22	75	.1	0	28
292	1	9	17	38	.4	0	29
293	1	17	20	102	.3	0	30
294	1	15	21	65	.2	0	31
295	1	16	22	76	.2	0	32
296	1	14	16	66	.1	0	33
297	1	16	20	78	.2	0	34
298	1	14	16	76	.1	0	35
299	1	18	22	100	.2	0	36
300	1	14	13	45	.1	0	37
B 301	1	16	12	40	.1	0	38
							39
							40

SILENCE 1 CLAIM
FROM SILENCE GROUP

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To: G. A. Noel & Associates

File No. 0276
Type of Samples Soil
Disposition Rejects 6 C9

GEOCHEMICAL ASSAY CERTIFICATE

F 9

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
B 302	1	14	16	64	.1	0	1
303	1	19	19	76	.1	0	2
304	1	13	15	60	.1	0	3
305	2	14	20	82	.1	0	4
306	1	13	21	90	.1	0	5
307	1	15	18	85	.1	0	6
308	1	10	15	60	.1	0	7
309		No Sample					8
310	4	13	24	115	.1	0	9
B 311	1	6	14	42	.1	0	10
							11
M 1	1	18	16	34	.1	0	12
2	1	14	22	70	.1	0	13
3	1	16	20	62	.5	0	14
4	1	16	19	58	.2	0	15
5	1	20	18	52	.2	0	16
6	1	9	22	26	.1	0	17
7	1	16	21	51	.3	0	18
8	1	7	22	29	.2	0	19
9	1	5	14	12	.1	0	20
10	1	7	17	21	.5	0	21
11	1	22	17	72	.1	0	22
12	1	4	15	20	.1	0	23
13	1	84	30	106	.4	0	24
14	1	10	12	34	.1	0	25
15	1	16	19	45	.2	0	26
16	1	14	12	52	.1	0	27
17	1	35	26	98	.2	0	28
18	1	10	12	28	.2	0	29
19	1	58	25	88	.4	0	30
20	1	32	19	68	.2	0	31
21	1	12	10	35	.1	0	32
22	1	12	17	44	.2	0	33
23	1	38	12	86	.1	0	34
24	1	4	5	18	.1	0	35
25	1	30	8	19	.2	0	36
26	1	8	9	22	.2	0	37
M 27	1	9	17	29	.5	0	38
							39
							40

SILENCE GROUP
↑
FROM LKY CLAIM GROUP
↓

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To:

G.A. Noel & Associates

File No. 0276
Type of Samples Soil
Disposition Reject 19

GEOCHEMICAL ASSAY CERTIFICATE

P 15

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
M 217	1	2	8	8	.1	2	1
218	3	22	23	56	.2	5	2
219	1	8	11	18	.2	0	3
220	1	6	19	21	.3	0	4
221	1	62	26	38	1.2	0	5
222	1	78	25	48	.6	0	6
223	1	170	32	345	.2	0	7
224	1	8	19	36	.2	0	8
225	1	6	13	12	.1	0	9
226	2	18	18	58	.1	0	10
227	2	14	19	42	.5	0	11
228	2	32	27	70	.2	0	12
229	1	7	18	38	.1	0	13
230	1	10	20	24	.4	0	14
231	2	17	21	56	.2	0	15
232	1	16	22	30	.2	0	16
233	1	14	19	38	.2	0	17
234	2	12	21	64	.1	0	18
235	1	6	10	8	.5	0	19
236	1	12	16	46	.1	0	20
237	1	12	19	18	1.7	0	21
238	1	20	20	32	.3	0	22
239	1	7	13	8	.1	0	23
240	1	12	19	30	.4	0	24
241	1	15	20	38	.1	0	25
242	1	10	19	30	.1	0	26
243	1	5	2	5	.1	0	27
244	2	20	42	38	2.7	0	28
245	1	12	19	34	.8	0	29
246	1	14	20	56	.8	0	30
247	1	4	15	18	1.0	0	31
248	1	125	19	340	1.7	0	32
249	1	13	19	40	.2	0	33
250	1	27	21	28	1.1	0	34
251	1	8	6	11	.2	0	35
252	1	13	23	42	.1	0	36
253	1	4	10	8	.1	0	37
M 254	1	22	39	22	.1	0	38
							39
							40

LKY CLAIM GROUP

FROM SILENCE GROUP

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To:
G.A. Noel & Associates

File No. 0276
Type of Samples Soil
Disposition pulp left

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
M 255	1	12	20	30	.2	0	1
256	2	19	21	50	.2	0	2
257	1	10	11	16	.1	0	3
258	1	5	13	12	.1	0	4
259	1	10	18	25	.1	0	5
260	1	20	20	60	.1	0	6
261	1	34	32	74	.6	0	7
262	1	9	13	25	.1	0	8
263	1	12	16	46	.1	0	9
264	1	19	28	80	.1	0	10
265	1	16	34	74	.5	0	11
266	1	7	4	14	.1	0	12
267	1	9	13	20	.1	0	13
268	1	6	12	48	.3	0	14
269	1	7	17	28	.1	0	15
270	1	6	5	10	.1	0	16
271	1	8	14	32	.1	0	17
272	1	9	19	55	.1	0	18
273	1	16	18	46	.1	0	19
274	1	6	3	10	.1	0	20
275	1	6	2	9	.2	0	21
276	1	10	9	45	.3	0	22
277	1	6	8	22	.3	0	23
278	1	15	19	48	.2	0	24
279	1	6	11	32	.1	0	25
280	1	10	9	16	.5	0	26
281	1	8	17	45	.1	0	27
282	1	10	16	52	.2	2	28
283	2	18	22	68	.4	0	29
284	1	20	18	56	1.2	0	30
285	1	7	15	21	.7	0	31
286	1	9	4	19	.3	0	32
287	1	70	64	170	.2	0	33
288	1	10	17	18	.6	0	34
289	1	12	13	38	1.0	0	35
M 290	1	25	25	75	.4	0	36
							37
							38
							39
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File No. 0276
Type of Samples --Soil----
Disposition-- Rejects of 19

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	W	
M 291	1	13	17	46	.1	0	1
292	1	10	16	30	.2	0	2
293	1	14	22	31	.1	0	3
294	1	14	19	30	.1	0	4
295	2	12	17	31	.1	0	5
296	1	10	13	22	.1	0	6
297	1	32	20	155	.1	0	7
298	1	29	28	98	.3	0	8
299	1	16	23	90	.1	0	9
300	3	40	55	128	.1	0	10
301	2	22	29	80	.1	0	11
302	1	34	40	135	.3	0	12
303	1	40	31	105	.3	0	13
304	1	70	36	116	.3	0	14
305	1	56	39	165	.2	0	15
306	1	76	40	180	.1	0	16
307	1	62	25	160	.1	0	17
308	1	58	27	106	.2	0	18
309	1	18	20	94	.1	0	19
310	1	31	29	84	.1	0	20
311	1	19	17	86	.1	0	21
312	1	6	11	30	.1	0	22
313	1	4	9	22	.1	0	23
314	1	2	4	18	.1	0	24
315	1	6	6	21	.1	0	25
316	1	8	16	38	.1	0	26
317	1	12	22	120	.1	0	27
318	1	6	17	60	.1	0	28
319	1	13	22	115	.1	0	29
320	2	16	36	108	.1	0	30
321	1	16	12	55	.1	0	31
322	1	7	18	62	.1	0	32
323	1	10	13	58	.1	0	33
324	1	14	18	72	.1	0	34
325	1	6	19	65	.1	0	35
326	1	58	31	185	.1	0	36
327	1	52	29	150	.2	0	37
M 328	1	13	17	75	.1	0	38
							39
							40

SILENCE GROUP
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FROM BEAR GROUP

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