

CANEX PLACER LIMITED

EXPLORATION DIVISION

700 BURRARD BUILDING

VANCOUVER 5, B.C. CANADA

GEOCHEMICAL REPORT

ANNIV CLAIMS

L05-I-12

PELLY RIVER HEADWATER, Y.T.

LATITUDE 62°34' LONGITUDE 129°31'

WORK DATES: 1st AND 3rd SEPTEMBER, 1972, JUNE 29th

JULY 2nd AND 3rd, AUGUST 3rd, 5th AND 6th, 1973

BY

B. AINSWORTH, M.A., M.A.E.G., P. ENG (B.C.)

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$4735.25

J.B. Craig

Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

[Signature]
Commissioner of Yukon Territory

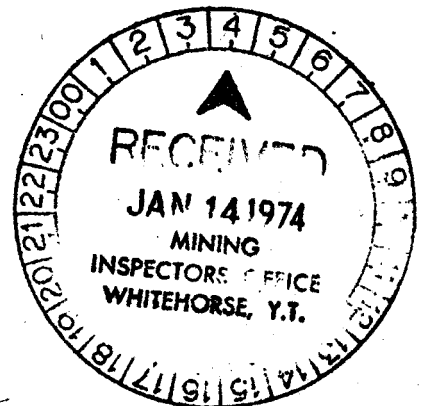
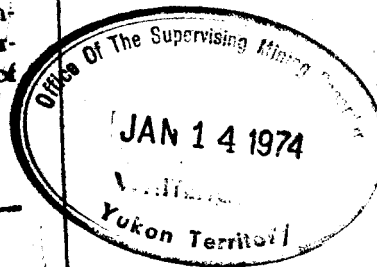
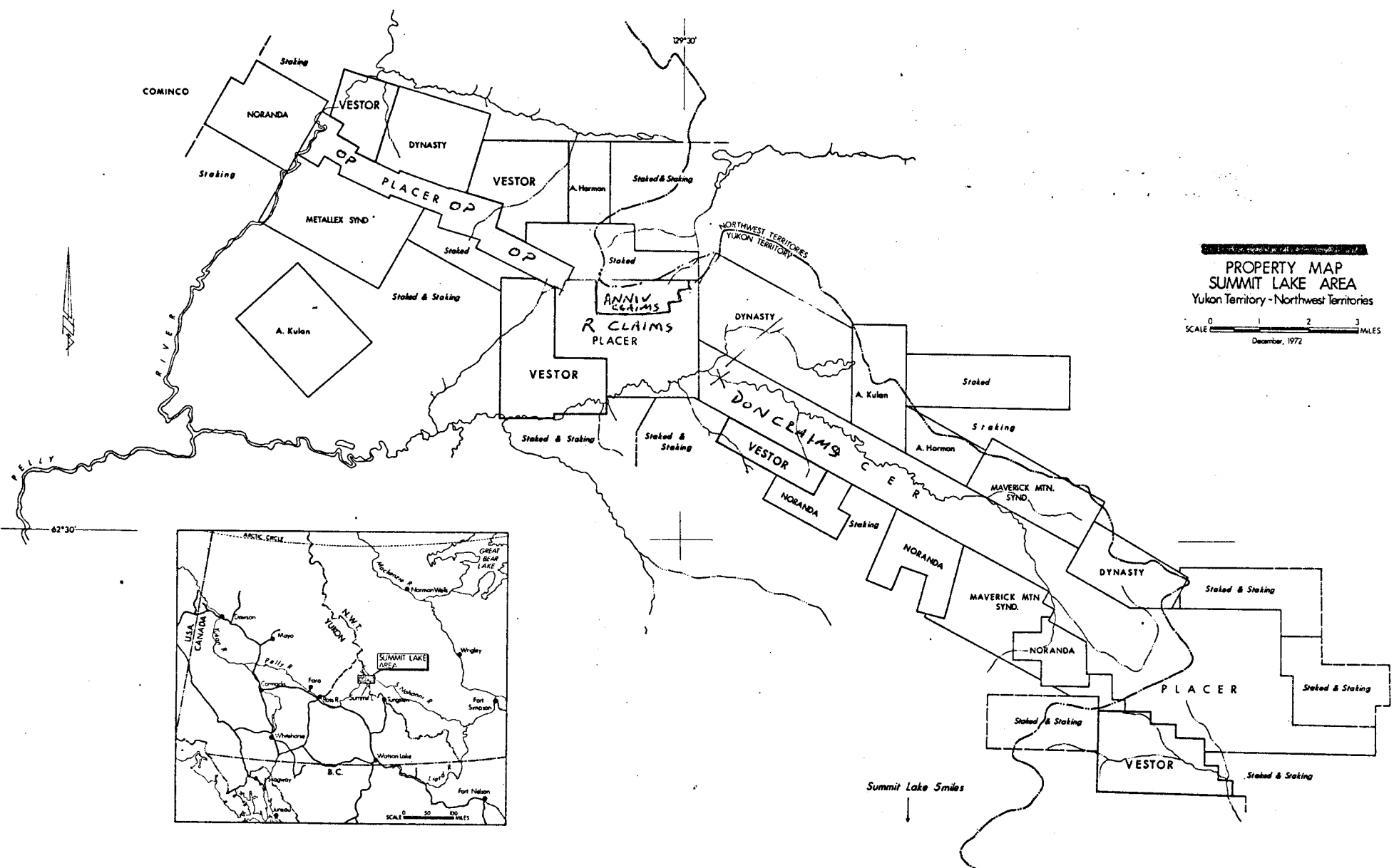
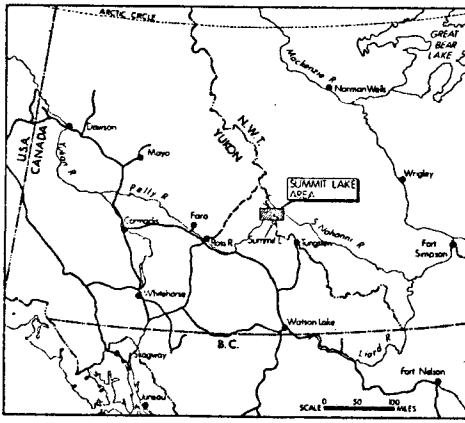


TABLE OF CONTENTS

	<u>Page</u>
Location Maps	
Statement of Expenditures	
Introduction	1
Topography, Vegetation and Climate	1
Surveying	1
Geochemical Survey:	1
: Sampling Method	1
Assay Method	2
Results and Conclusions	2
Recommendations	3
Statement of Qualifications	
<u>In Pocket</u>	
Geochemical Maps: Zinc in soils	
Lead in soils	
Cadmium in soils	
List of Claims	



PROPERTY MAP
 SUMMIT LAKE AREA
 Yukon Territory - Northwest Territories
 SCALE 0 1 2 3 MILES
 December, 1972



Summit Lake 5 miles

Parnell D.L.S
 JUN 1979

old border

			R 12	Anniv 2	Anniv 4	Anniv 6	Anniv 8	Anniv 10	Anniv 11	R 5
			R 4	Anniv 1	Anniv 3	Anniv 5	Anniv 7	Anniv 9	R 29	
			R 6	Anniv 12	Anniv 14	Anniv 15	Anniv 16	R 24	R 26	
				R 15	Anniv 13	R 20	R 19	R 23		

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Surveyed by

STATEMENT OF EXPENDITURES

The following is a breakdown of expenditures incurred for the geochemical survey on the area covered by the ANNIV mineral claims Y.T. The work dates in part pre-date the recording of these claims on July 4th, 1973. This expenditure is not submitted as representation work but is included for completeness.

EXPENDITURES FOR THE PERIOD SEPTEMBER 1st & 3rd, 1972

TRANSPORTATION OF PERSONNEL

Bell Jet-Ranger Helicopter - 1 hr. 20 min. @ \$225. per hr. \$ 300.00

SALARIES

B. Ainsworth - 2 days @ \$45. per day 90.00
700 Burrard Building
Vancouver 5, British Columbia

J.M. Kowalchuk - 2 days @ \$40. per day 80.00
800 - 1030 West Georgia Street
Vancouver 5, British Columbia

P.R. Hodgson - 1 day @ \$30. per day 30.00
800 - 1030 West Georgia Street
Vancouver 5, British Columbia

J. Irwin - 1 day @ \$40. per day 40.00
800 - 1030 West Georgia Street
Vancouver 5, British Columbia

CAMP COSTS

\$12. per day, per man - 6 man days 72.00

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ASSAYING

263 soil samples analyzed for	
Pb, Zn and Cd - @ \$2.25 each	\$ 591.75
	<u>TOTAL 1</u>
	<u>\$1,203.75</u>

EXPENDITURES FOR THE PERIOD JUNE 29th, JULY 2nd AND 3rd,
AUGUST 3rd, 5th AND 6th, 1973

TRANSPORTATION OF PERSONNEL

Hughes 500 Helicopter - 6 hours @ \$200. per hour	\$1,200.00
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SALARIES:

P.R. Hodgson - 4 days @ \$40. per day	160.00
800 - 1030 West Georgia Street	
Vancouver 5, British Columbia	

K. Wong - 6 days @ \$30. per day	180.00
800 - 1030 West Georgia Street	
Vancouver 5, British Columbia	

B. McDonald - 6 days @ \$30. per day	180.00
800 - 1030 West Georgia Street	
Vancouver 5, British Columbia	

J. Miller - 4 days @ \$30. per day	120.00
800 - 1030 West Georgia Street	
Vancouver 5, British Columbia	

H. Leitch - 2 days @ \$30. per day	60.00
800 - 1030 West Georgia Street	
Vancouver 5, British Columbia	

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CAMP COSTS

22 man days - @ \$12. per man day \$ 264.00

ASSAYING COSTS

1189 samples analyzed for Pb, Zn and Cd
@ \$2.25 per sample 2,675.25

DRAUGHTING AND OFFICE

4 man days - @ \$40. per day 160.00
TOTAL 2 \$4,735.25

TOTAL EXPENDITURES FOR 1972 AND 1973
(TOTAL No. 1 & TOTAL No. 2) \$5,939.00

Total 2 is submitted for representation work expenditure only.

INTRODUCTION

A geochemical soil survey was carried out on the area of the ANNIV mineral claims on the following dates: 1st and 3rd September, 1972, 29th June, 2nd and 3rd July, 3rd, 5th and 6th August, 1973. Soil samples were collected by two man crews camping close to the property using helicopter support for transportation. The samples collected were sent to the Canex Placer Laboratory in Vancouver, B.C., for analysis for lead, zinc and cadmium.

TOPOGRAPHY, VEGETATION AND CLIMATE

The ANNIV claims cover gently rolling hills with an elevation range of 4500' - 5500'. The area has an alpine meadow flora with scrub Balsam and Jackpine in the lower reaches. The usual precipitation is moderately high and the temperature ranges encountered are typical for the Central Yukon.

SURVEYING

The grid lines for the soil sample survey were established using a chain and compass survey. The grid established had lines 500' apart with stations every 50' and was tied in to the claim posts of the area surveyed.

GEOCHEMICAL SURVEY

Sampling Method:

Pits for soil samples were dug with a mattock and, where possible, samples were taken in the "B" horizon, a light brown to rusty brown horizon ranging from 6" to 18" in depth in the area sampled. An intermittent ash layer covers the area and all samples were taken below this layer. Samples with high organic content were avoided.

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Assay Method:

Samples were dried in a hot air drier at about 120°F. and then the -80 mesh fraction was sieved out for analyses. Portions of the -80 mesh fraction were digested in a hydrochloric/perchloric acid mixture. Aliquots of the digested sample were then analyzed with a Perkin Elmer 403 Atomic Absorption Spectrophotometer. Wavelengths used were:

Zinc	2139 A°
Lead	2170 A°
Cadmium	2288 A°

A background correction was made for Cadmium using an adjacent non-absorbing wavelength.

RESULTS AND CONCLUSION

Analyses for Zn, Pb and Cd are plotted separately on the 400 scale maps in the back pocket. Contouring has not been used to represent trends in metals distribution since values are somewhat erratic.

Lead values indicate a background range of less than 10 ppm to about 250 ppm. A linear distribution of anomalous values (1000 - 7500 ppm) occurs on claims R 23, R 19 and R 20 with a W.N.W. trend. This anomaly coincides with a marked linear of poisoned vegetation and probably represents the sulphide bearing member of the underlying Ordovician-Siluria black shales. A further linear distribution of anomalous lead values occurs on ANNIV 1, ANNIV 12 and ANNIV 14. The trend is broken by blank areas which correspond approximately to areas of thicker glacial till. Some mineralized float was noted in the vicinity of station 1500S on line 1.

Zinc values indicate a background range of 50 to 400 ppm. Individual high lead values are reflected by high zinc values particularly in the vicinity of line 1, station 1500S but there is not a strong correspondence in other anomalous zinc areas. The

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anomalous zinc on ANNIV 15 and ANNIV 5 are probably hydromorphic; the fact that these values align themselves along an intermittent drainage gives further support to this hypothesis.

The distribution of cadmium values correlates well with that of zinc. Background values are in the range of 0.1 - 1.0 ppm; anomalous values are in the range of 10 - 70 ppm.

RECOMMENDATIONS

Some limited bulldozer trenching should be carried out in the area of the linear lead anomalies to assess the potential of the shale horizons from which they are derived. Hand trenching of the anomalies has proven inadequate as a means of evaluating them.

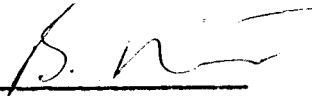
STATEMENT OF QUALIFICATIONS

I, B. Ainsworth, with business address at 700 Burrard Building, Vancouver 5, British Columbia, do hereby certify that I have supervised the field work and have assessed and interpreted the data resulting from this geochemical survey on the ANNIV mineral claims.

I also certify that:

1. I am a graduate of Oxford University (B.A. Geology, 1962, M.A. 1967).
2. I have engaged in mineral exploration since graduation.
3. I am a full member of the Association of Exploration Geochemists.
4. I am a Professional Engineer registered in the Province of British Columbia.

Respectfully submitted



B. Ainsworth

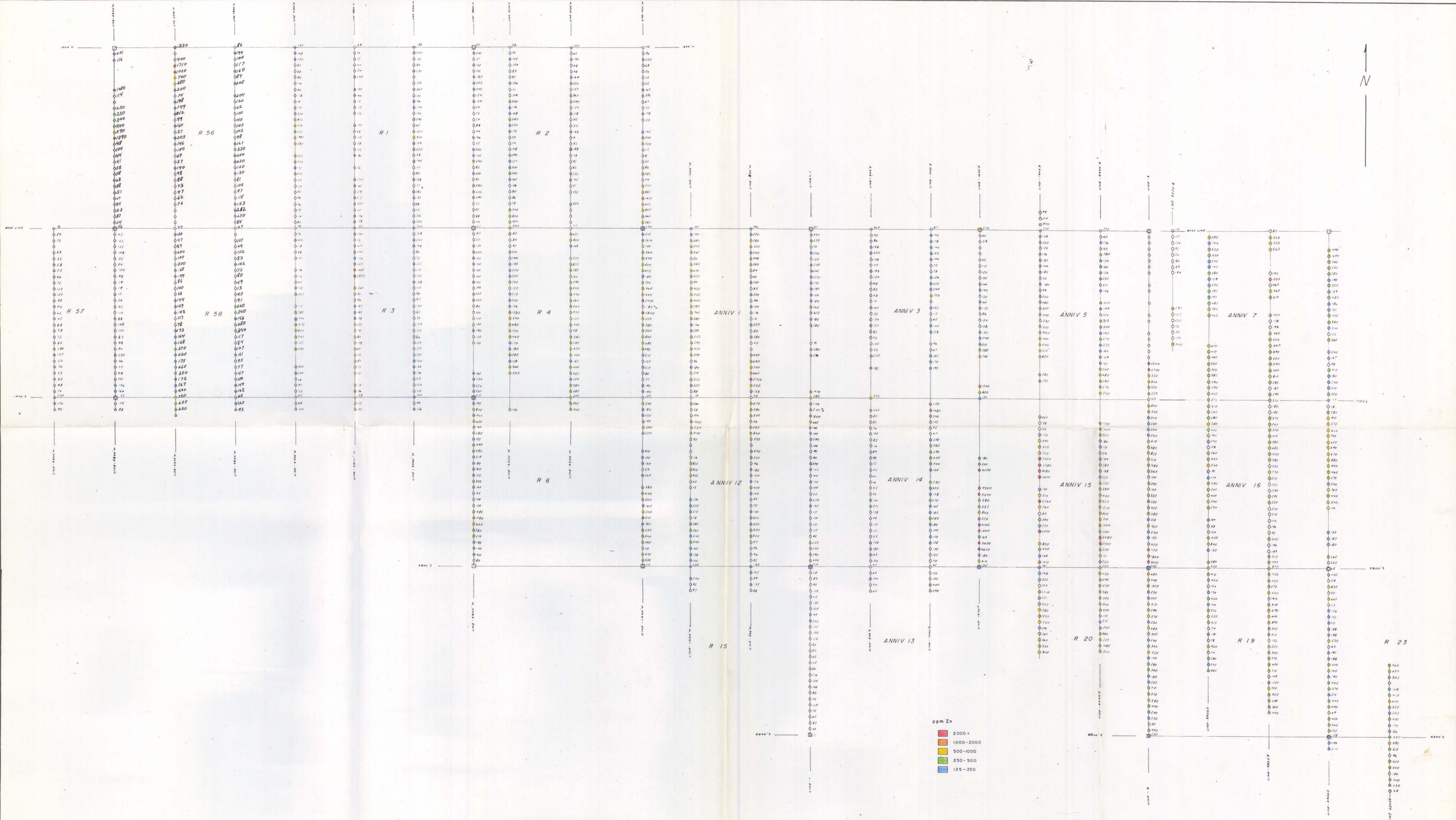
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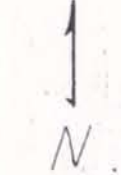
LIST OF CLAIMS

CLAIM NAME	GRANT NO.	RECORD YEAR	LOCATOR	ANNIVERSARY MONTH & DAY
ANNIV 1	Y73582	1973	D.A. Howard	July 4
2	Y73583	"	"	"
3	Y73584	"	"	"
4	Y73585	"	"	"
5	Y73586	"	"	"
6	Y73587	"	"	"
7	Y73588	"	"	"
8	Y73589	"	"	"
9	Y73590	"	J.M. Stephen	"
10	Y73591	"	"	"
11	Y73592	"	"	"
12	Y73593	"	"	"
13	Y73594	"	"	"
14	Y73595	"	"	"
15	Y73596	"	"	"
16	Y73597	"	"	"

All good to July 4, 1975



ppm Zn
2000+
1000-2000
500-1000
250-500
125-250



ppm Pb
1600 +
800-1600
400-800
200-400
100-200



ppm Cd
20+
10-20
5-10
2.5-5
1.3-2.5