

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.06.23

ASSESSMENT REPORT 17506

MINING DIVISION: Omineca

PROPERTY: Yara

LOCATION: LAT 54 15 28 LONG 125 06 00

UTM 10 6014021 363202

NTS 093K06E

CLAIM(S): Yara

OPERATOR(S): Cazador Ex.

AUTHOR(S): Ainsworth, B.

REPORT YEAR: 1988, 18 Pages

COMMODITIES

SEARCHED FOR: Silver, Lead, Zinc, Copper

GEOLOGICAL

SUMMARY: Endako Group and Tertiary Ootsa Lake Group volcanics overlie
Topley Intrusions.

WORK

DONE: Geochemical

SOIL 41 sample(s) ;AG,AS,CU,MO,PB,ZN,HG,AU

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Telephone (604) 684-6463

Geochemical Report
Yara and Clea Claims
of
Cazador Resources Ltd
Omenica Mining Division
NTS 93/K/3E, 93/K/6E
Latitude 54° 15'N
Longitude 125° 05'W

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,506

B. AINSWORTH, P. ENG.

17th June 1988

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INTRODUCTION:

A soil sample orientation survey was attempted on the Yara claims near Hanson Lake during the period June 2nd 1988 and June 4th 1988. Two lines of soil samples were taken across an area of very anomalous silver and base metals values identified in earlier work carried out by Endako Mines Ltd.

Two lines were run NW-SE and NE-SW across an area of old trenching where soils values of greater than 200 ppm silver was reported by earlier work. The soil samples were taken using an auger in order to obtain a profile at each sample site. The very bouldery nature of the soils prevented a systematic sampling of the area under investigation. A number of the sample sites were sampled at different depths but it was unlikely that the subcrop-bedrock soils were sampled: in the earlier work this environment had the highest metals values.

Trenches made during the previous campaign of work were water filled at this time, precluding resampling for mineral species studies.

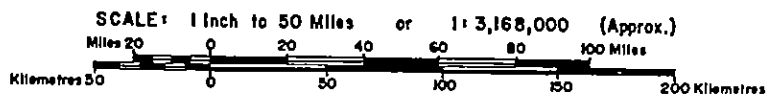
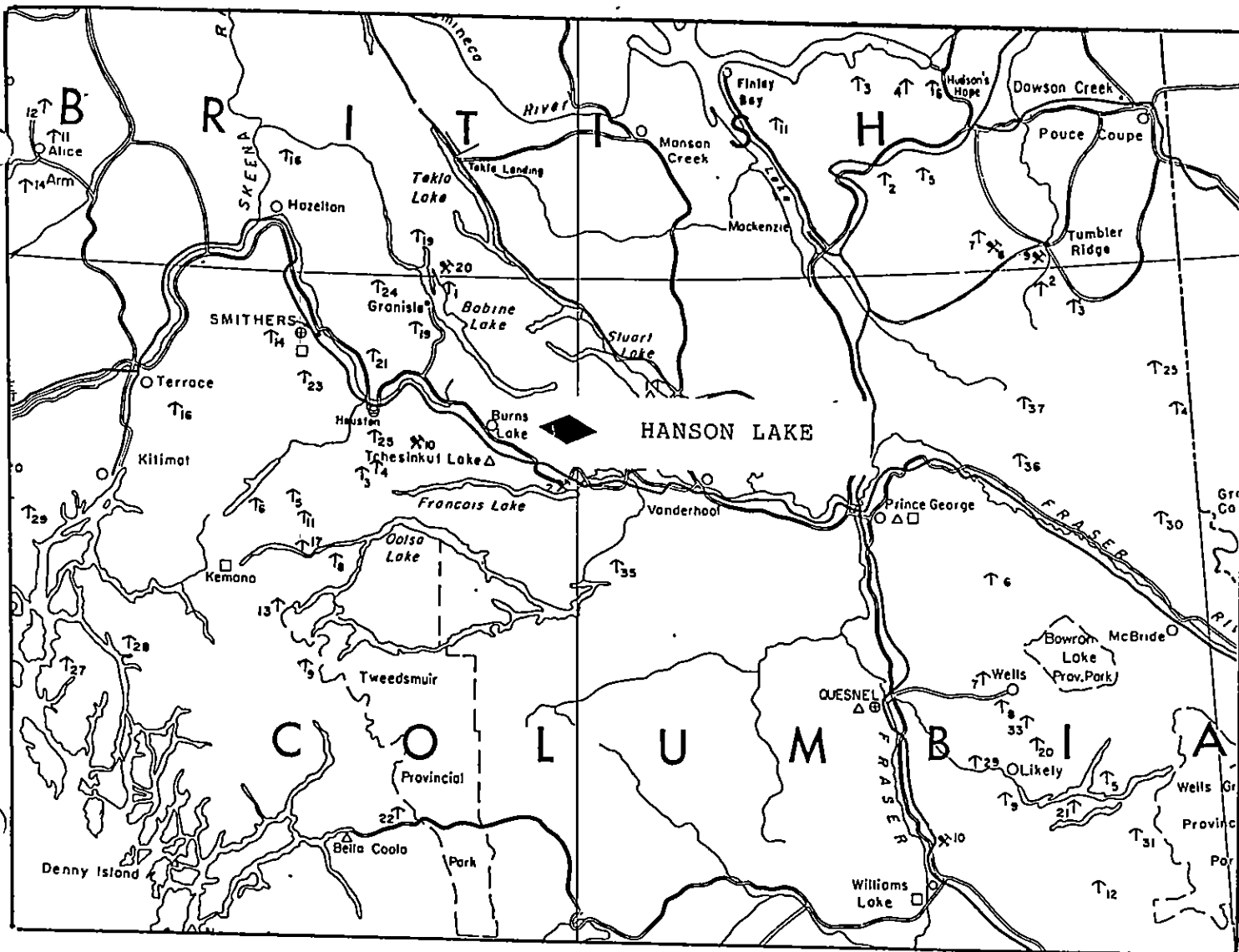
Property -Location and Access

The property is between Hanson and Helene Lakes in the Omenica Mining Division. Access is by logging road from Highway 16 between Burns Lake and the village of Endako. Year round access is now possible, although active logging has made it difficult to maintain identifiable grid lines and claim lines on the property.

The claims on the property include the Yara and the Clea claims, both of 20 units each. Both claims were recorded in June 1987 as:

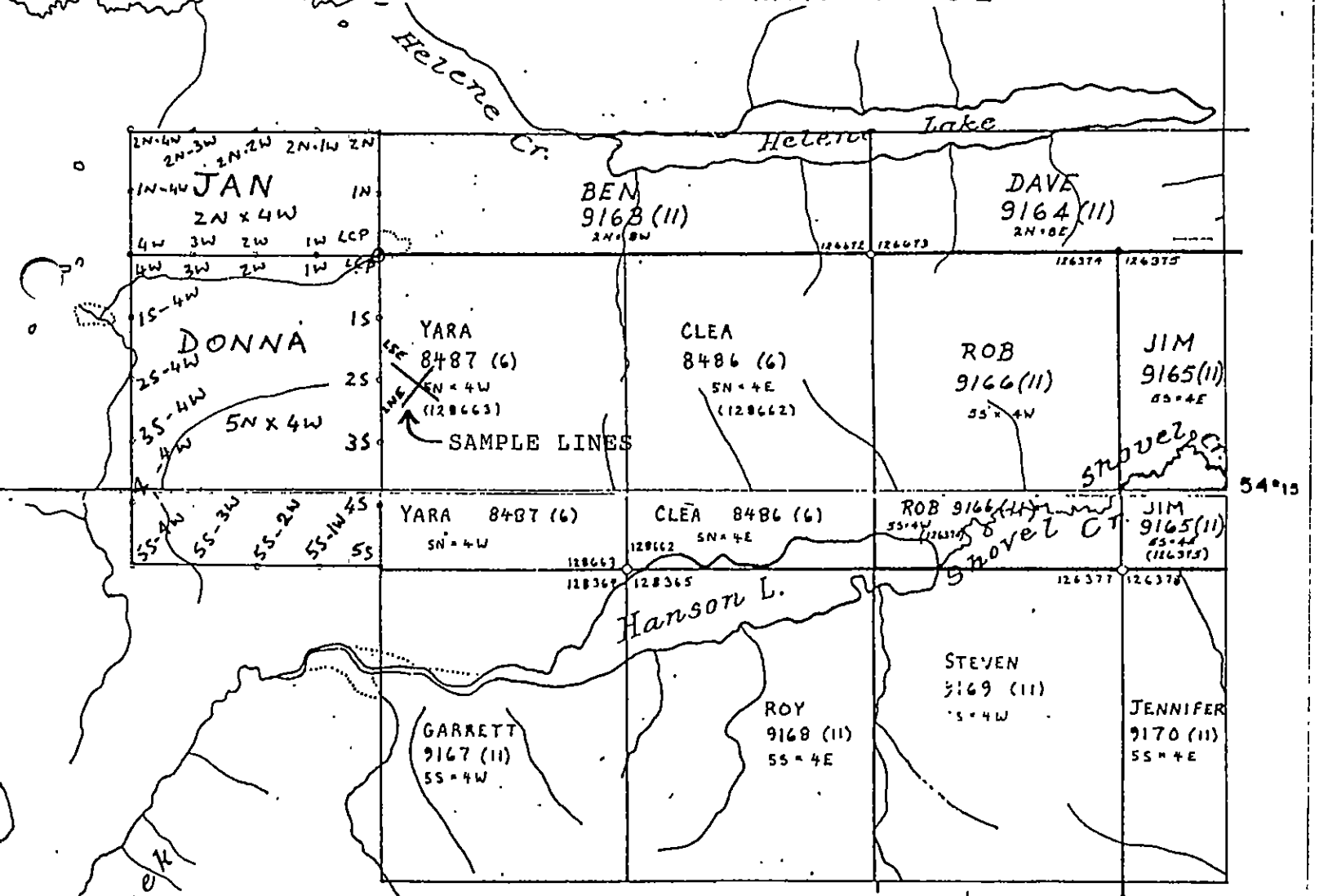
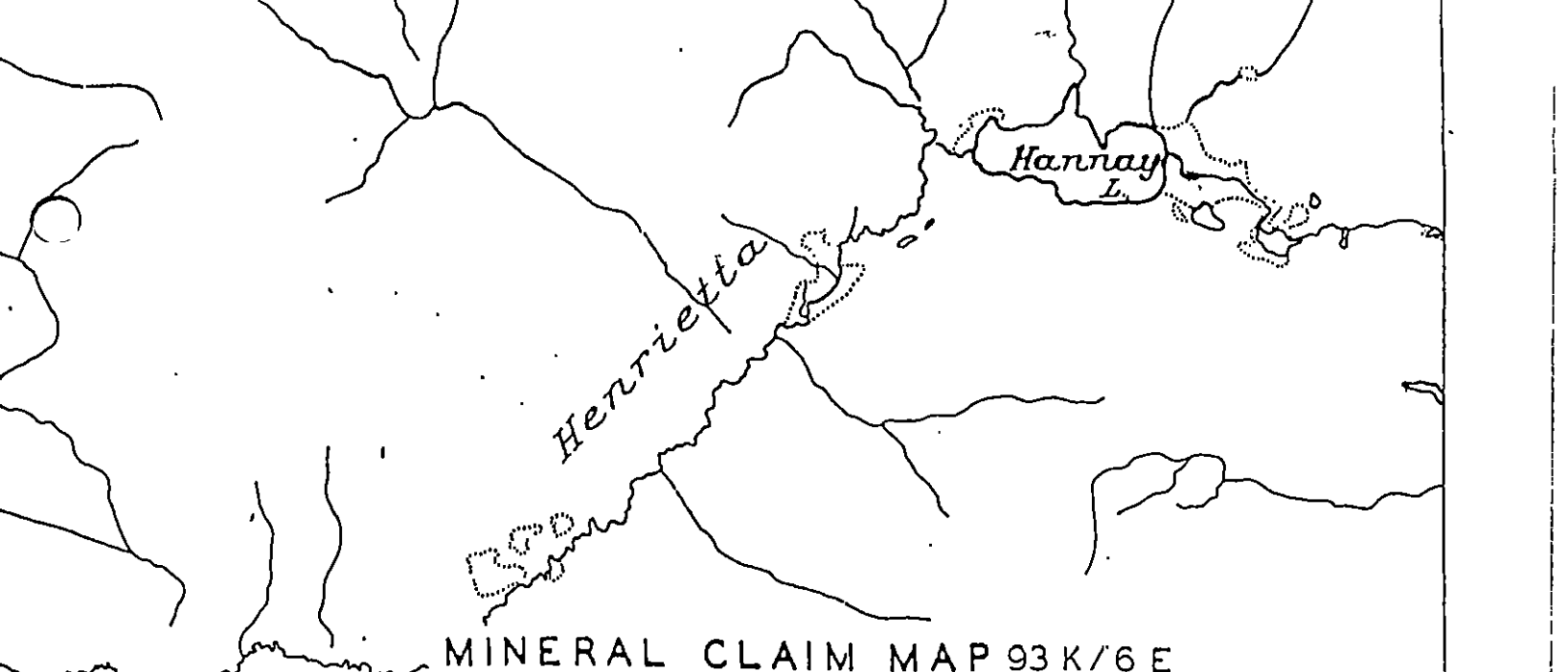
Yara	Clea
8467 (6)	8486 (6)
5N x 4W	5N x 4E
(128663)	(128662)

Both claims are held in the name of Cazador Exploration subject to an option agreement with other parties.

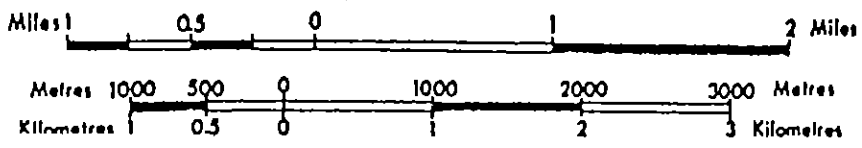


Location Map Yara and Clea

Claims



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources



This map is prepared to serve as a guide to the positions of located mineral claims and Placer Mining Leases only. Unsurveyed claims and leases are plotted from loc. sketches and are not guaranteed. Letters C & B indicate claim is Crown-Granted

General Geology

The Hanson lake area is underlain by four major rock units:

1. Volcanic rocks of the Middle Tertiary Endako Group.
2. Volcanic rocks of the Upper Cretaceous to Early Tertiary Ootsa Lake Group.
3. Plutonic rocks of the Middle to Upper Jurassic Topley
3. Hornblende schists of indeterminate age.

In the claim area, the oldest suite of rocks, the Hornblende schists are intruded by the Topley Intrusions which area comprised mainly of pyritic quartz diorite. These are in turn intruded by a younger granitic to quartz monzonitic phase of the Topley intrusions.

The older volcanic rocks are represented by rhyolitic flows and pyroclastics that are exposed in the North shore of Hanson Lake. Float of altered vesicular andesite was found in abundance along the height of land in the northern sector of the Yara Claim. This rock type is similar to the younger Ootsa volcanics seen in the vicinity of Burns Lake.

A number of basic and acid dykes are reported in the area.

Previous Work

The Endako Mines Division of the predecessor company to Placerdome Inc carried out extensive broad scale geochemical and geophysical surveys throughout the area, including coverage of the Yara and Clea Claims. The objective of that work was principally large low grade porphyry type mineralization and as a result the line spacing used in these surveys was designed to be cost effective for these large targets; sampling was carried out on lines 1000 feet apart over most of the property and 2000 feet in areas where the geochemistry was less anomalous.

A small diamond drill programme was carried out to test the geophysical anomalies, supported by a limited percussion drill programme. Some copper values were noted in drilling on the Yara Claim but no record is evident of any gold analyses of the drill samples. The presence of widespread metal values in soils and the lack of systematic investigation for smaller, precious metals deposits in this environment allow the possibility that economic mineralization may have been missed by the earlier work.

Presentation of Results

Two lines, in the form of a cross centered on the most anomalous part of the West Copper anomaly identified by Endako Mines NPL, were sampled using an auger in an attempt to obtain sample material from the subcrop-till interface. Earlier work had shown very high silver and base metal values at this interface and had been largely discounted as being due to enrichment rather than nearby sources of mineral in bedrock. This work hoped to obtain sample material that could be used for distinguishing the mineral species causing the anomalies.

The till encountered was very blocky and the auger was only able to penetrate to a limited depth despite frequent attempts to reach the target in different sites at each sample location. A sample was collected from the "B" horizon at each site and, where possible, samples were taken at intervals down the hole when possible. The samples were numbered with a depth indicator, in inches, in those cases where samples were taken down the hole. Samples with the letter identifier LNSE were collected from the same line as those with the letter identifier LSE. In view of the problems encountered with the auger sampling further evaluation would be better carried out with a backhoe or similar equipment.

Trenches from earlier work were waterfilled and could not be sampled at this time in order to confirm the values reported by the earlier work.

The samples were analyzed for silver, arsenic, copper, molybdenum, lead, zinc, mercury, and gold by Min-En Laboratories of North Vancouver. Samples were processed by standard procedures, screening to -80 mesh after drying. With the exception of gold, all elements were run by ICP spectrometry after a multiple acid extraction. Gold was analysed by atomic absorption spectrometry after dissolution with aqua regia and complexing with MIBK reagent.

Discussion of Results

The data do not show the strongly anomalous values encountered by the earlier workers but this is believed to be due to the shallow level of sampling achieved. The till in the area sampled could have a significant contribution of diluant materials that would result in the relatively low values encountered. No clear trends are identified but values for several elements are anomalous for the type of till environment sampled. Silver values range between 1.1 ppm and 2.6 ppm with the higher values generally associated with higher gold values in the 10 to 30 ppb range. Arsenic, molybdenum, copper and mercury show no concordant variation with the precious metals but lead and zinc tend to have highest values in the same samples that have

high silver and gold values, as in sample numbers LNE 0+00 18", LNE 4+34 18" and LSE 4+32 18". The depth correlation for these samples does not indicate enrichment at depth since some deeper samples show relatively low values.


Conclusions and Recommendations

This study was not able to confirm the data from the earlier work or generate comparable sample values because the samples were collected from shallow depths. The auger sampling approach is ineffective in this area because of the very blocky nature of the till.

Further evaluation is necessary using a backhoe or an excavator in order to explore the subcrop environment.

17th June 1988

Signed:


B.Ainsworth, P.Eng


Statement of Expenditures

Wages for the period 31st May to 6th June 1988:

Dan Legrandeur 7 days @ \$200/diem	1,400
David Detel 7 days @ \$200/diem	1,400
Truck rental	627
Gasoline	134.10
Accommodation: 6 nights for 2 men @ \$43/night	258
Meals 2 men 7days @\$27/day	324
Analyses	907.13
Total	\$5,050.23

17th June 1988

Signed:


B. Ainsworth, P. Eng

9 Graduate University of Oxford
1962 B.Sc. Geology

APPENDIX

COMPANY: METAMIN ENTERPRISES INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: HANSON

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-6915/P1+2

ATTENTION: BEN AINSWORTH

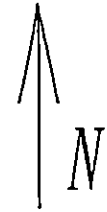
(604)980-5814 OR (604)988-4524

TYPE SOIL GEOCHEM # DATE: JUNE 13, 1988

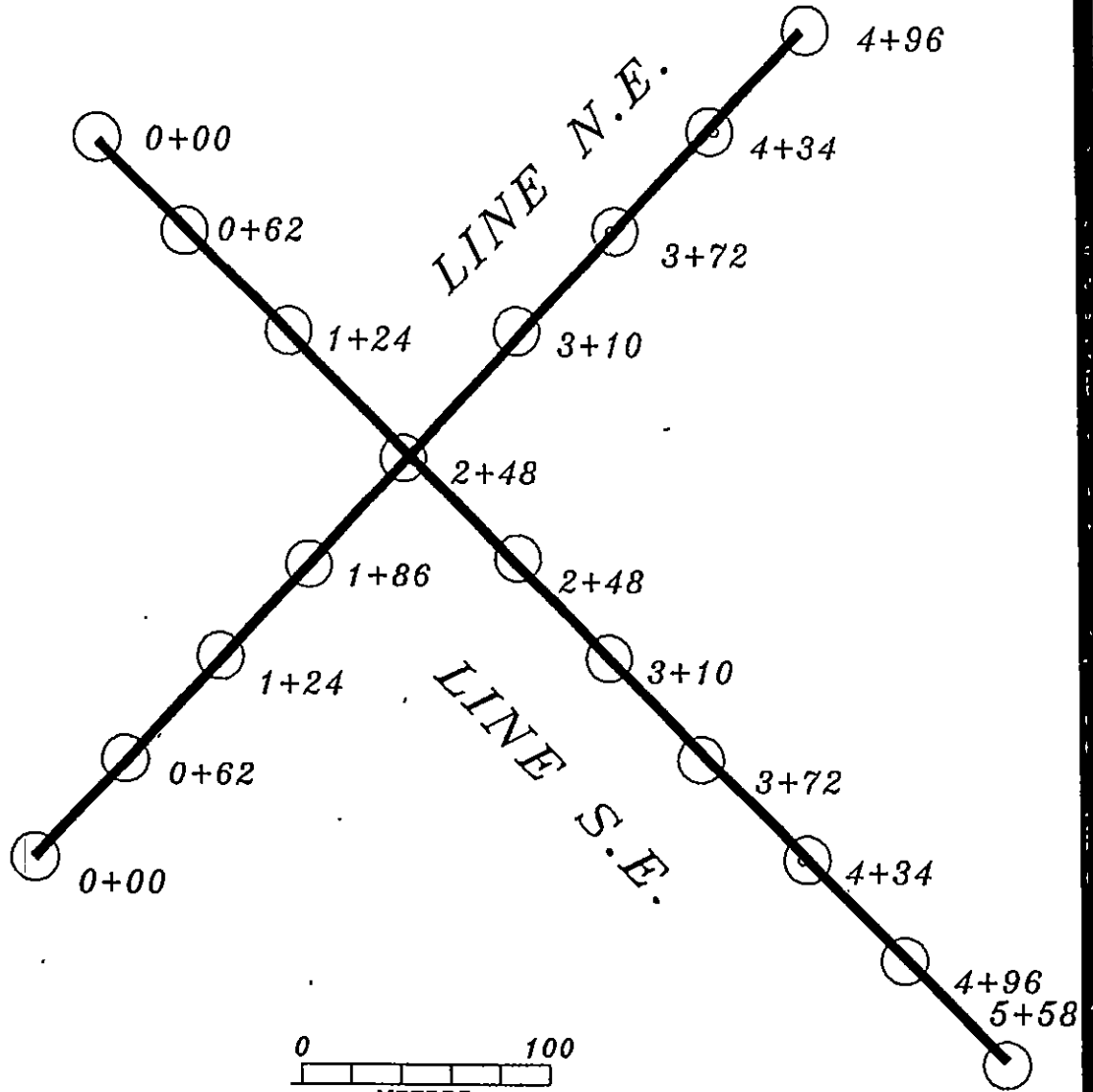
(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	HG-PPB	AU-PPB
LNE 0+00	2.1	22	10	7	37	228	40	5
LNE 0+62	2.4	26	6	8	34	417	40	5
LNE 1+24	1.9	34	5	9	31	167	35	5
LNE 1+86	2.5	34	7	9	23	136	35	5
LNE 2+48	2.6	31	11	8	8	96	20	10
LNE 3+10	2.3	31	8	8	14	118	35	5
LNE 3+72	2.2	32	36	10	19	164	30	5
LNE 4+34	1.6	29	6	8	30	287	25	5
LNE 4+96	1.6	27	5	7	29	175	20	5
LSE 0+00	2.0	32	5	8	20	117	15	5
LSE 0+62	2.3	31	3	8	19	138	35	5
LSE 1+24	2.1	32	110	8	22	136	10	5
LSE 2+48	2.3	31	4	8	22	112	25	10
LSE 3+10	1.7	25	13	7	15	190	35	10
LSE 3+72	1.8	23	14	8	7	96	15	5
LSE 4+32	2.1	28	3	8	21	205	15	5
LSE 4+96	2.0	31	1	8	24	183	20	25
LSE 5+58	1.7	25	6	8	25	242	35	10
LNE 0+00 18"	2.6	28	26	8	56	347	30	30
LNE 0+62 17" 40M	1.8	25	3	7	29	392	35	5
LNE 1+24 28"	1.6	30	8	8	26	139	30	5
LNE 1+24 33"	1.8	32	14	9	29	131	25	5
LNE 1+86 25"	2.0	35	7	8	30	125	15	10
LNE 1+86 32"	1.7	30	14	8	27	102	20	15
LNE 2+48 18"	1.5	30	15	8	31	121	10	5
LNE 3+10 18"	1.7	33	6	8	33	175	45	5
LNE 4+34 18"	2.0	36	20	8	39	203	20	25
LNE 4+96 19"	2.0	35	47	9	40	327	25	5
LNSE 0+00 26"	1.6	28	8	8	19	76	5	5
LNSE 0+00 32"	1.7	23	10	8	24	82	20	10
LNSE 0+00 42" 40	1.4	23	13	7	20	87	15	5
LNSE 0+62 25"	1.7	26	8	8	19	92	10	5
LNSE 1+24 29"	1.8	27	37	8	17	96	1	5
LNSE 1+24 37"	1.5	24	42	7	18	94	15	10
LNSE 1+24 51" 40	1.5	25	64	8	19	97	15	5
LSE 2+48 27"	1.3	29	16	7	30	111	10	5
LSE 3+10 17"	1.1	26	17	7	37	152	25	5
LSE 3+27 20" 40M	1.8	29	18	8	30	157	40	5
LSE 4+32 18"	1.8	31	12	8	34	164	20	15
LSE 4+96 18"	1.6	28	5	7	31	188	10	10
LSE 5+58 18"	1.4	26	13	8	33	165	15	5

DONNA CLAIM

YARA CLAIM



25 POST
3N, 4W



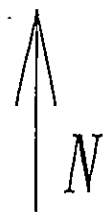
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HANSON LAKE PROJECT
AUGER
SAMPLE SITES

JUNE 18, 1988

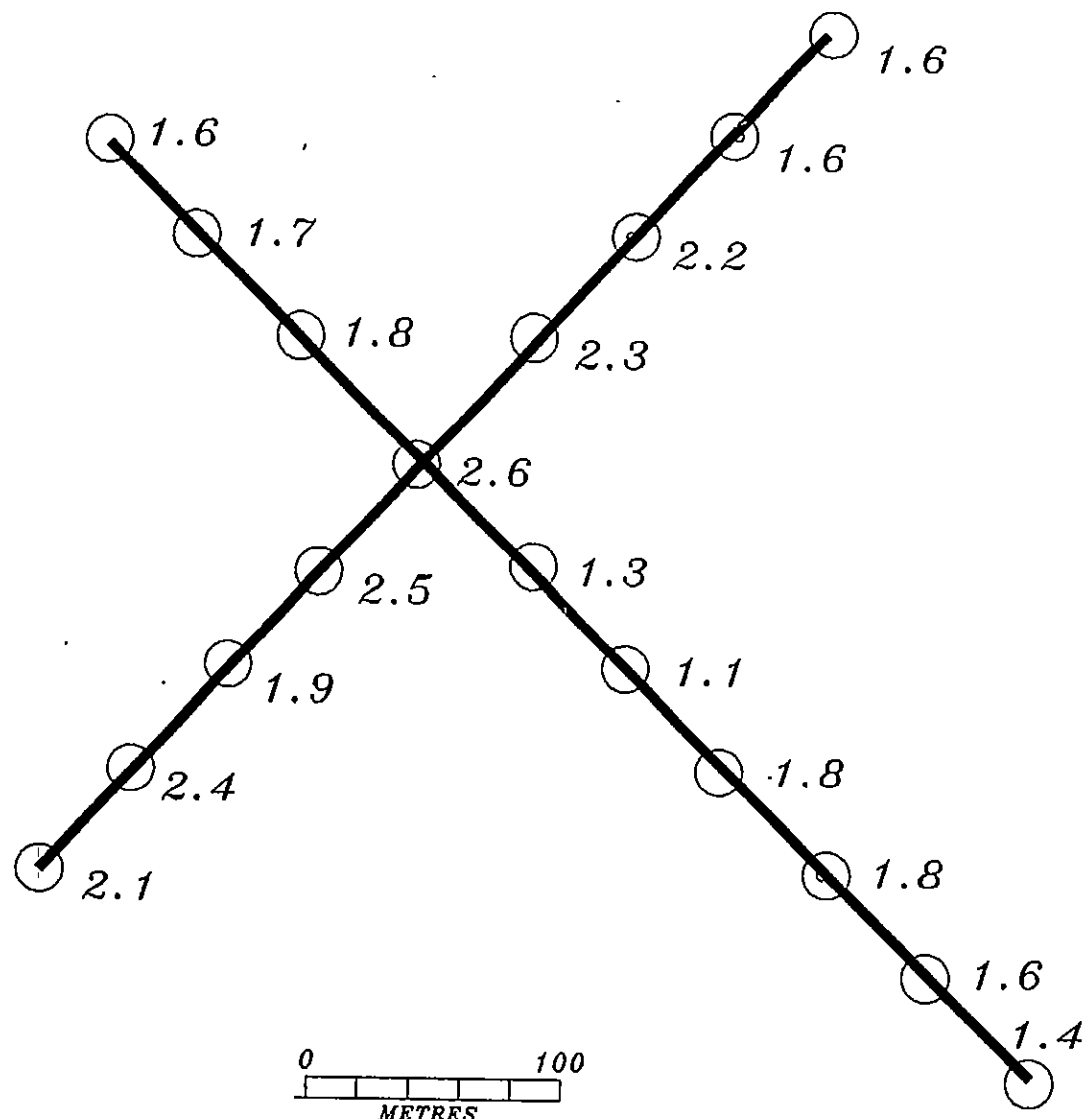
B. AINSWORTH P.ENG.

DONNA CLAIM

YARA CLAIM



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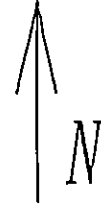


CAZADOR EXPLORATIONS LTD.
HANSON LAKE PROJECT
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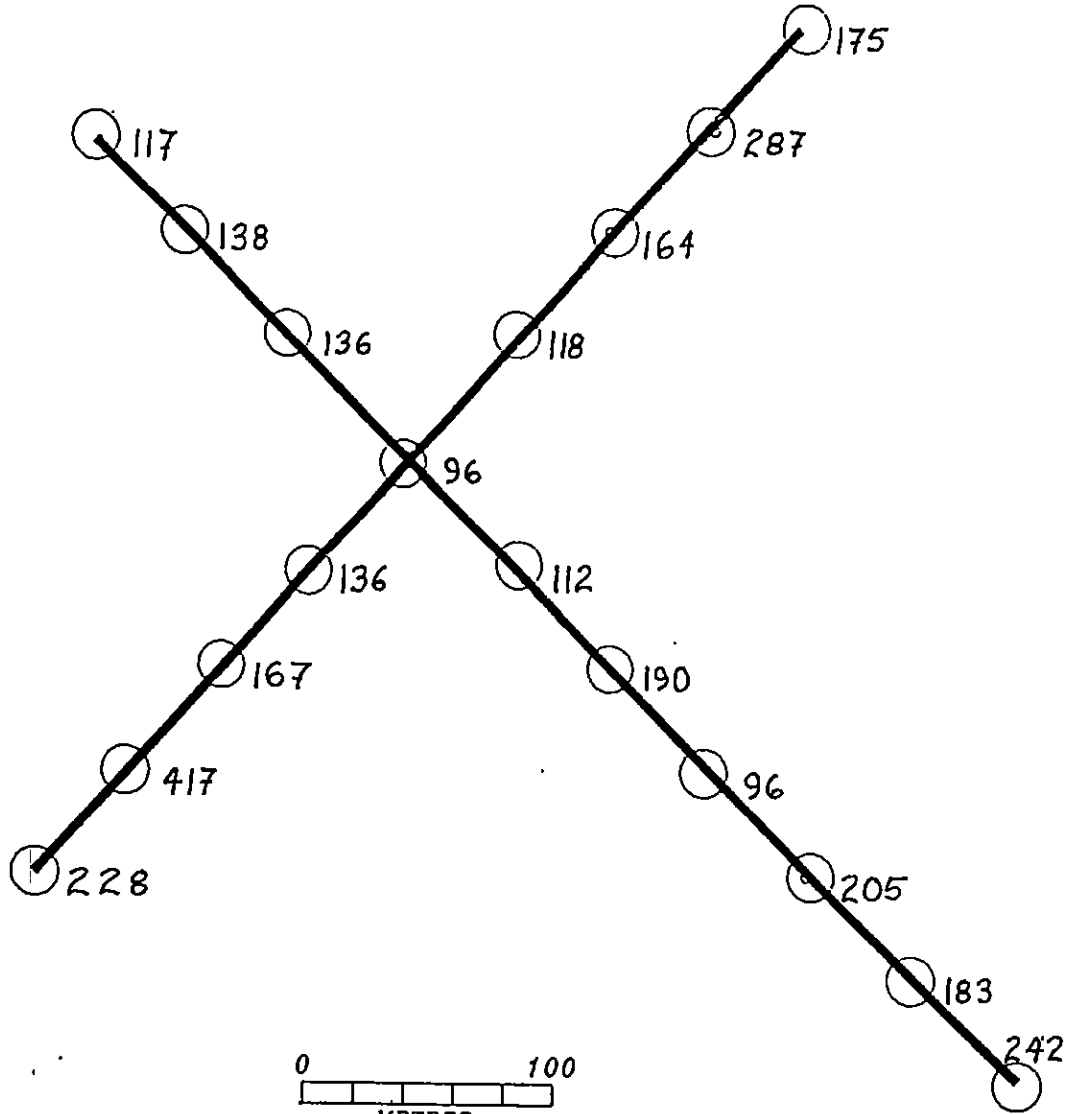
JUNE 18, 1988 B. AINSWORTH P.ENG.

DONNA CLAIM

YARA CLAIM



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METRES

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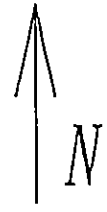
ZINC IN PPM

JUNE 18, 1988

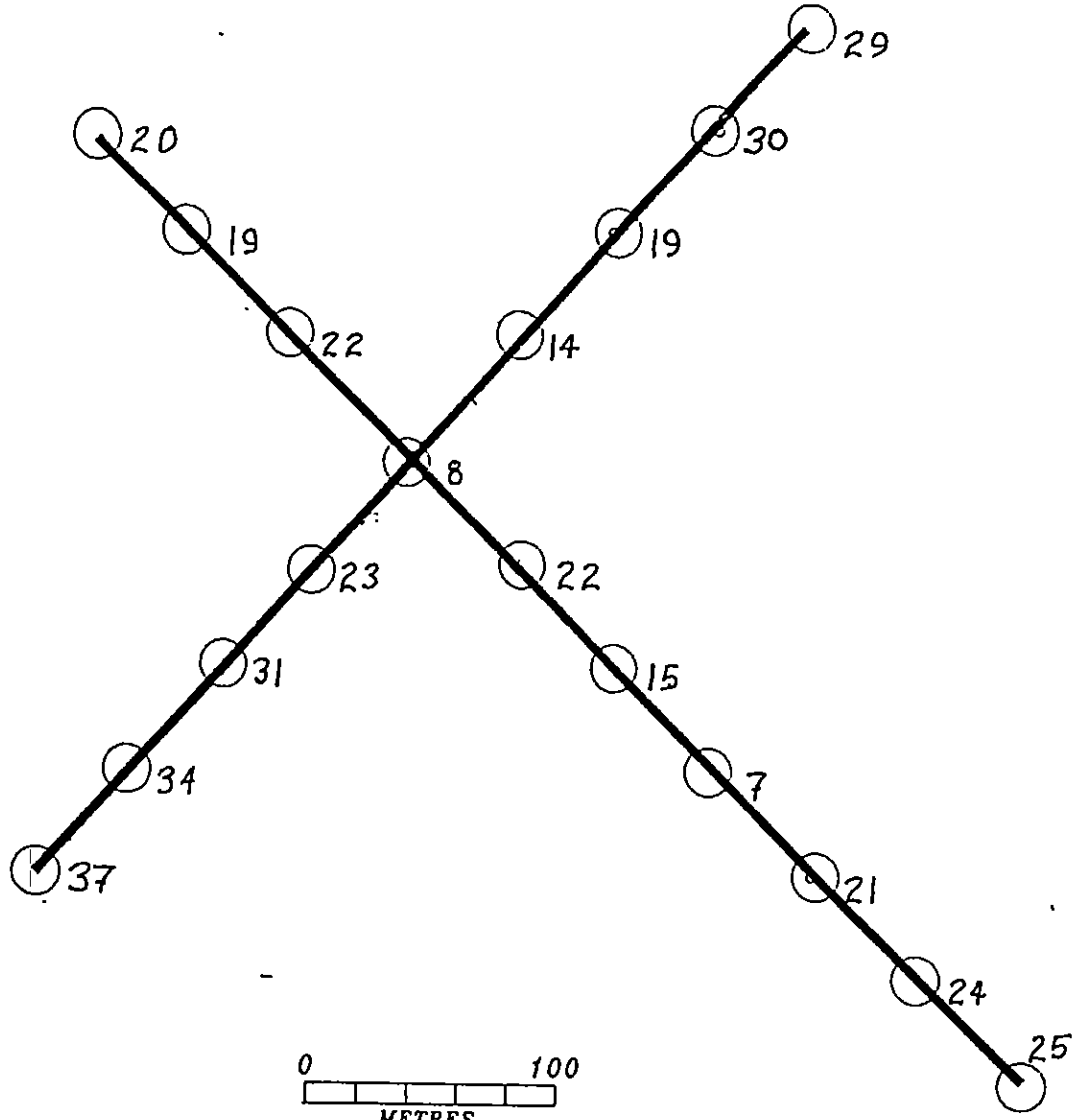
B. AINSWORTH P.ENG.

DONNA CLAIM

YARA CLAIM



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HANSON LAKE PROJECT

LEAD IN PPM

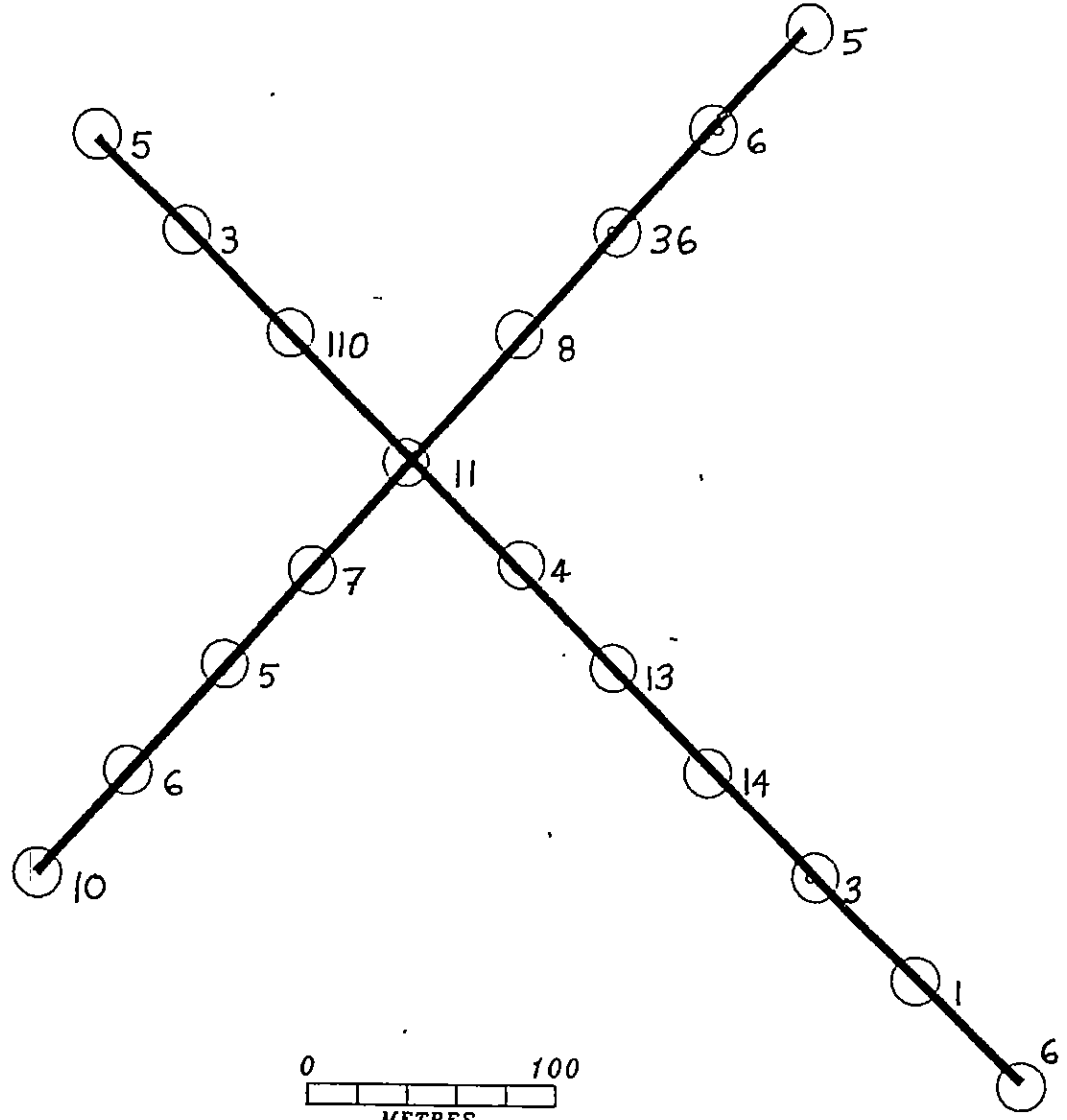
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DONNA CLAIM

YARA CLAIM



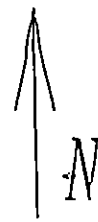
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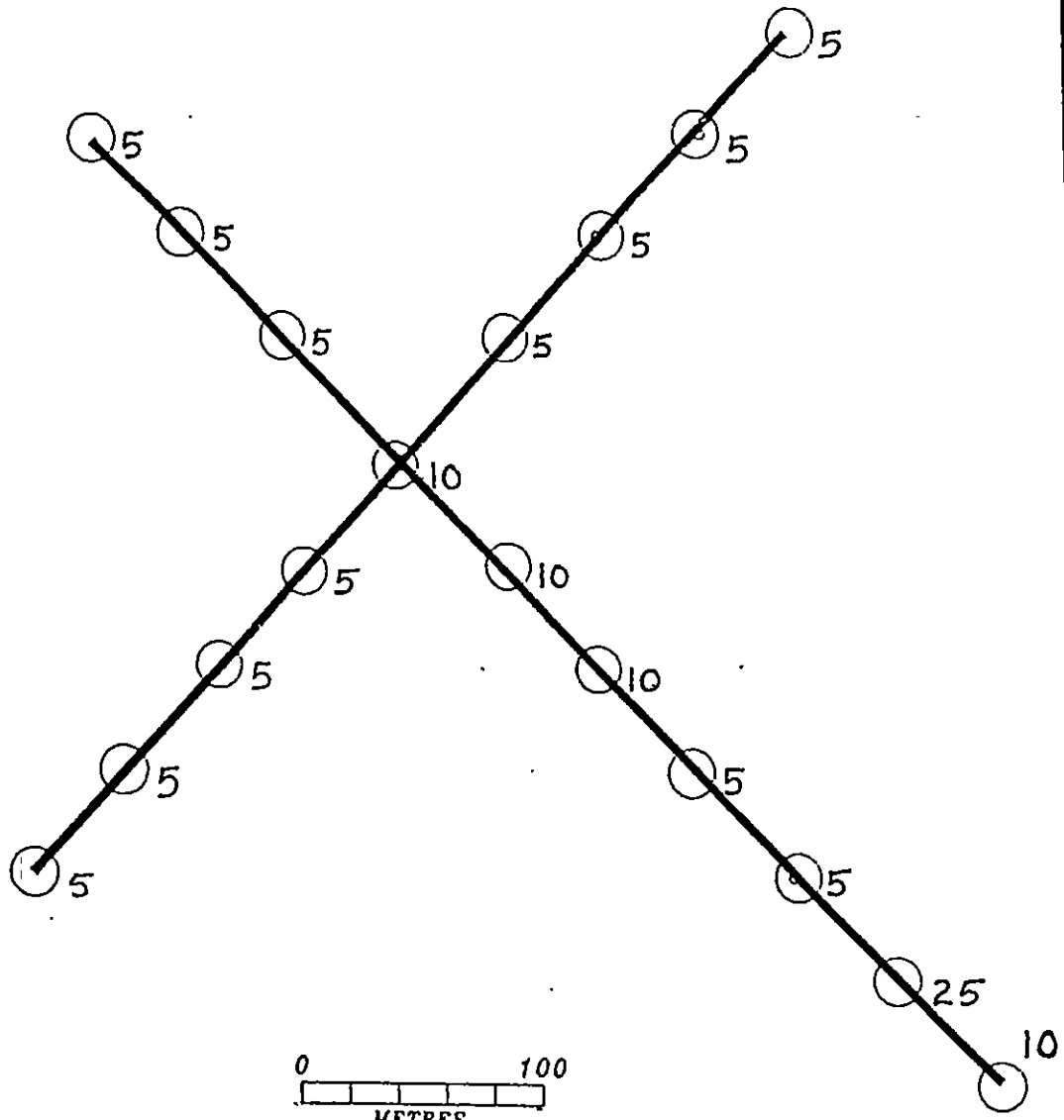
CAZADOR EXPLORATIONS LTD.
HANSON LAKE PROJECT
COPPER IN PPM
JUNE 18, 1988 B. AINSWORTH P.ENG.

DONNA CLAIM

YARA CLAIM



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3N, 4E



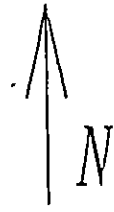
CAZADOR EXPLORATIONS LTD.
HANSON LAKE PROJECT


GOLD IN PPB

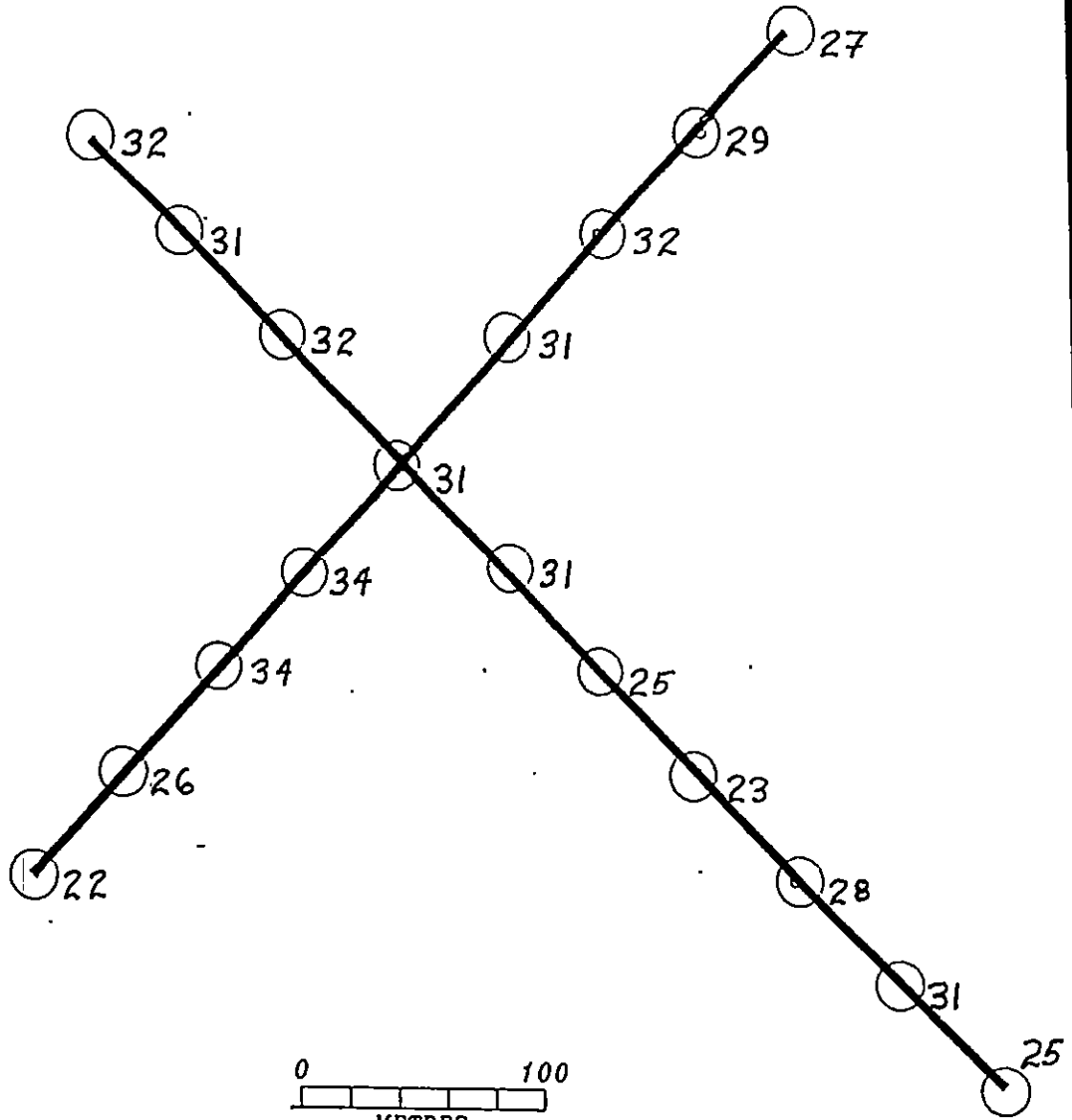
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DONNA CLAIM

YARA CLAIM



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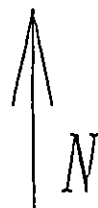
As IN PPM

JUNE 18, 1988

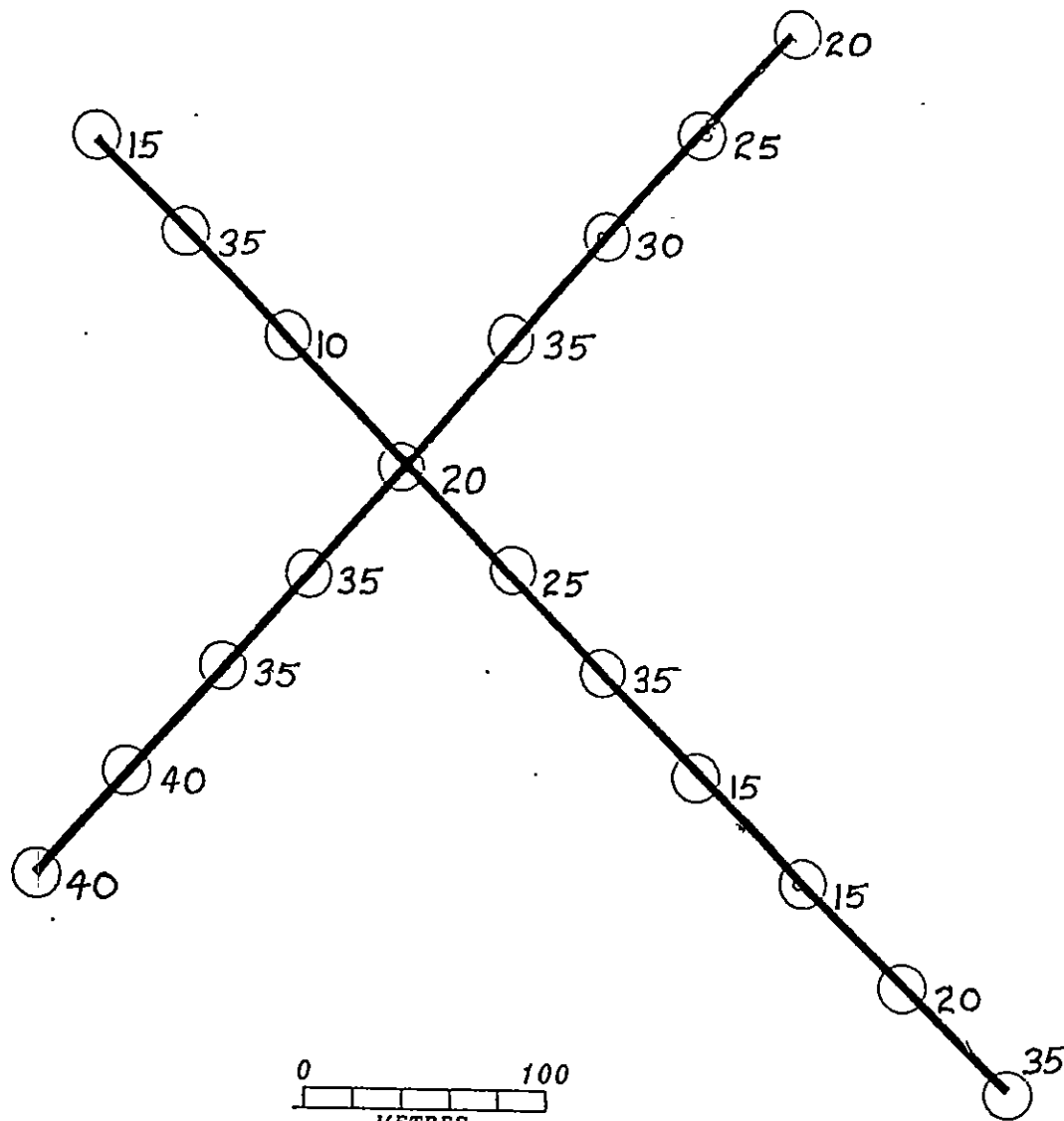
B. AINSWORTH P.ENG.

DONNA CLAIM

YARA CLAIM



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2S 3N, 4E



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METRES

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HANSON LAKE PROJECT

Hg IN PPB

JUNE 18, 1988

B. AINSWORTH P.ENG.