

3343

KENNCO EXPLORATIONS, (WESTERN) LIMITED

REPORT

ON

SOIL GEOCHEMICAL SURVEY

CHAPPELLE NO. 4 GROUP

(Chappelle Mineral Claims 6,11-14,17-22,39,41,55,56,
87-90,98-100,109-111,117,119,245,246,256-263)

Situated 17 miles northwest of Thutade Lake,
Omineca Mining Division,
British Columbia

57°17'N; 127°07'W

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3343 MAP.....

By

R. W. Stevenson, P. Eng.

Work done on August 23, 1971

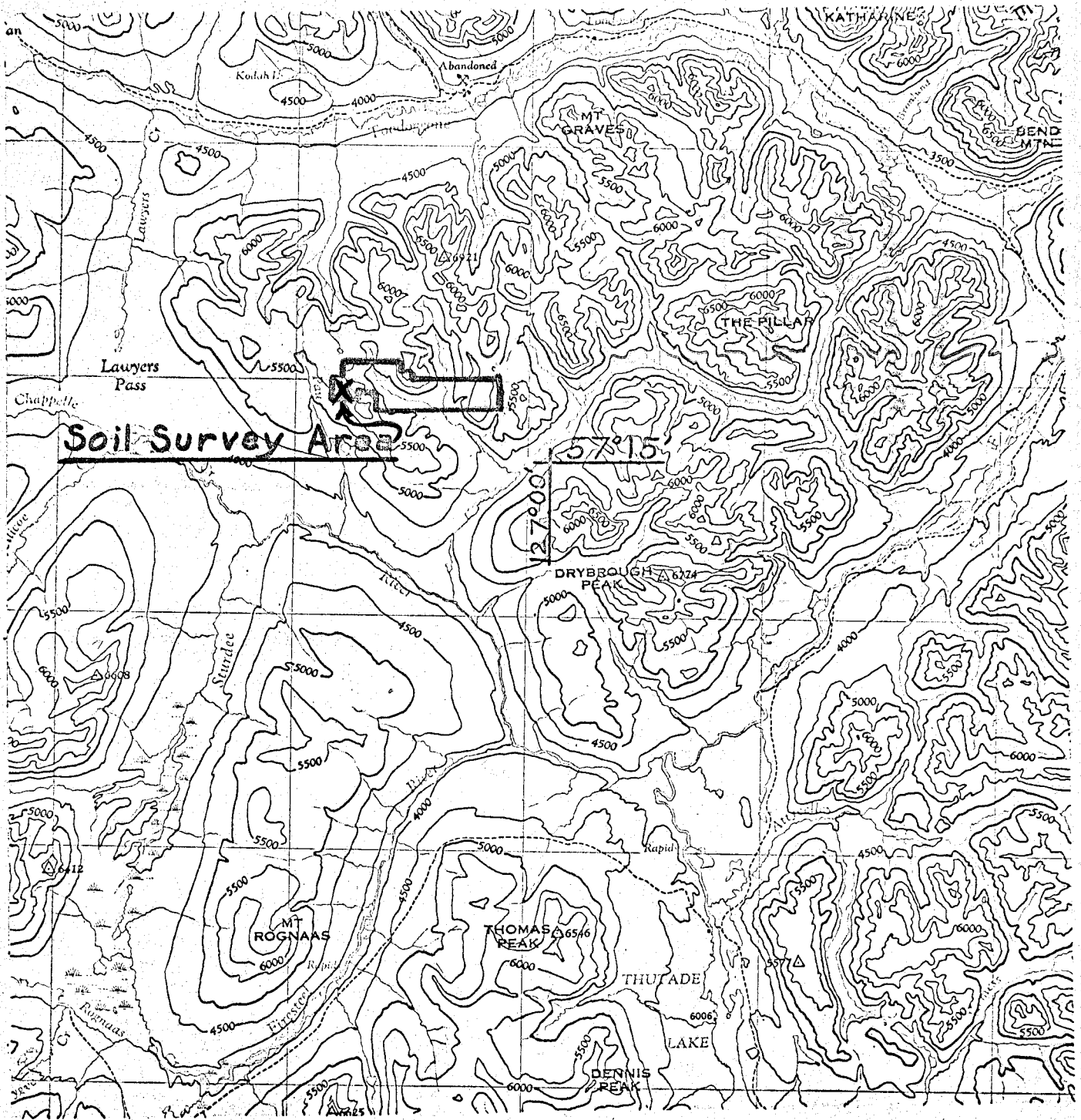
October 29, 1971

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Kennco Explorations, (Western) Limited

CHAPPELLE CLAIMS

Situated 17 miles northwest of Thutade Lake

Omineca Mining Division
British Columbia

57° 127° SE

LOCATION MAP

R. J. Stevenson

Scale:
1 : 250,000

INTRODUCTION

The mineral property discussed in this report is situated about 17 miles northwest of Thutade Lake, British Columbia. The exploration work on these claims consisted of a soil geochemical survey. The position of the survey area is shown on the Location Map. It is on Chappelle No. 4 Group of mineral claims.

The personnel employed are listed in the Statement of Costs Incurred. The work was done under the supervision of R. W. Stevenson, P.Eng.

LOCATION AND ACCESS

The property is situated at Latitude 57°17'N, Longitude 127°07'W, about 285 miles northwest of Prince George. This is about 17 miles northwest of Thutade Lake. The soil survey area is about 5500' above sea level, and is entirely above tree-line.

Access to the property is by fixed wing aircraft from Smithers to Black Lake, a distance of about 180 miles, and by helicopter from there.

SOIL SURVEY FIELD WORK

Control Survey Line

A control grid was established by chain and compass survey. Laths were used to mark the stations because the survey area is above tree-line. These were plotted on the base map at a scale of 1" = 400'.

Soil Sample Collection

The samples were taken at 100-foot intervals along the grid lines. They were taken from the top of the "B" (rusty) horizon.

The samples were collected by digging a small hole with a mattock or with a trenching tool type of spade. By this means it was possible to examine the soil horizon development. A note was made of the grid line location, the sample number, the depth of sample, the horizon sampled, the direction of drainage, the type of vegetation, and the soil type.

Packaging

The samples were placed in 3" x 4 1/2" brown paper envelopes on which the sample numbers had been marked. These were closed with a triangular triple fold. (The bags are not anomalous in trace metals).

Sample Preparation

The samples were taken to base camp, and partly air-dried. They were then shipped to our laboratory in North Vancouver, where they were oven-dried at 80°C, and sieved through an 80-mesh size stainless steel screen. (These sieves do not show noticeable wear even after several thousand samples have been sifted.) The minus 80 mesh fraction was collected for all the analyses involved.

Analysis

The samples were analysed in the North Vancouver laboratory of Kennco Explorations, (Western) Limited, under the supervision of H. Goddard, laboratory manager. Total extraction from a weighed sample is achieved by digestion with concentrated nitric acid and 70% perchloric acid. Determination of the Cu, Mo, Zn, Pb, Ag, Co, Ni content is made by aspiration in a Techtron AA5 Atomic Absorption Spectrophotometer. To determine the gold content, a weighed sample is digested in aqua regia, filtered, and the gold removed by solvent-solvent extraction in an organic solvent, MIBK (methyl-isobutyl-keytone). This is aspirated in the Techtron AA5.

Interpretation

The depth of overburden varies from a few inches to probably about 20' over most of the areas sampled. Considering the type of soil, it would seem likely that soil geochemistry is a reliable technique on these parts of the property. The samples were analysed for total metal content in copper, molybdenum, zinc, lead, silver, gold, cobalt and nickel.

Sample stations that are considered to be background are uncoloured. Sample stations that are considered to be only weakly anomalous are coloured yellow. The weakly anomalous levels are 150 ppm to 299 ppm for copper, 10 ppm to 19 ppm for molybdenum, 200 ppm to 499 ppm for zinc, 70 ppm to 149 ppm for lead, 2.0 ppm to 3.9 ppm for silver, 0.10 ppm to 0.29 ppm for gold, 50 ppm to 99 ppm for cobalt, and 200 ppm to 499 ppm for nickel. Sample stations that are definitely anomalous are coloured red.

Silver is weakly anomalous over much of the survey area, and is strongly anomalous at three sample sites (35111, 35137, 35140). Gold is co-anomalous at one of these sites, and at one other where silver is not anomalous (35086). Lead, zinc, and molybdenum are not particularly anomalous except in the vicinity of Station 3+00S on Line 0+00E, where the effect of skarn mineralization in talus blocks has produced a strong anomaly. Copper, and cobalt are weakly anomalous at a few scattered sites. The low nickel values reflect the absence of basic rocks.

Vancouver, B. C.

October 29th, 1971


R. W. Stevenson, P.Eng.

STATEMENT OF COSTS INCURRED

The costs incurred on assessment work on the Chappelle No. 4 Group of mineral claims were as follows:

Soil Survey

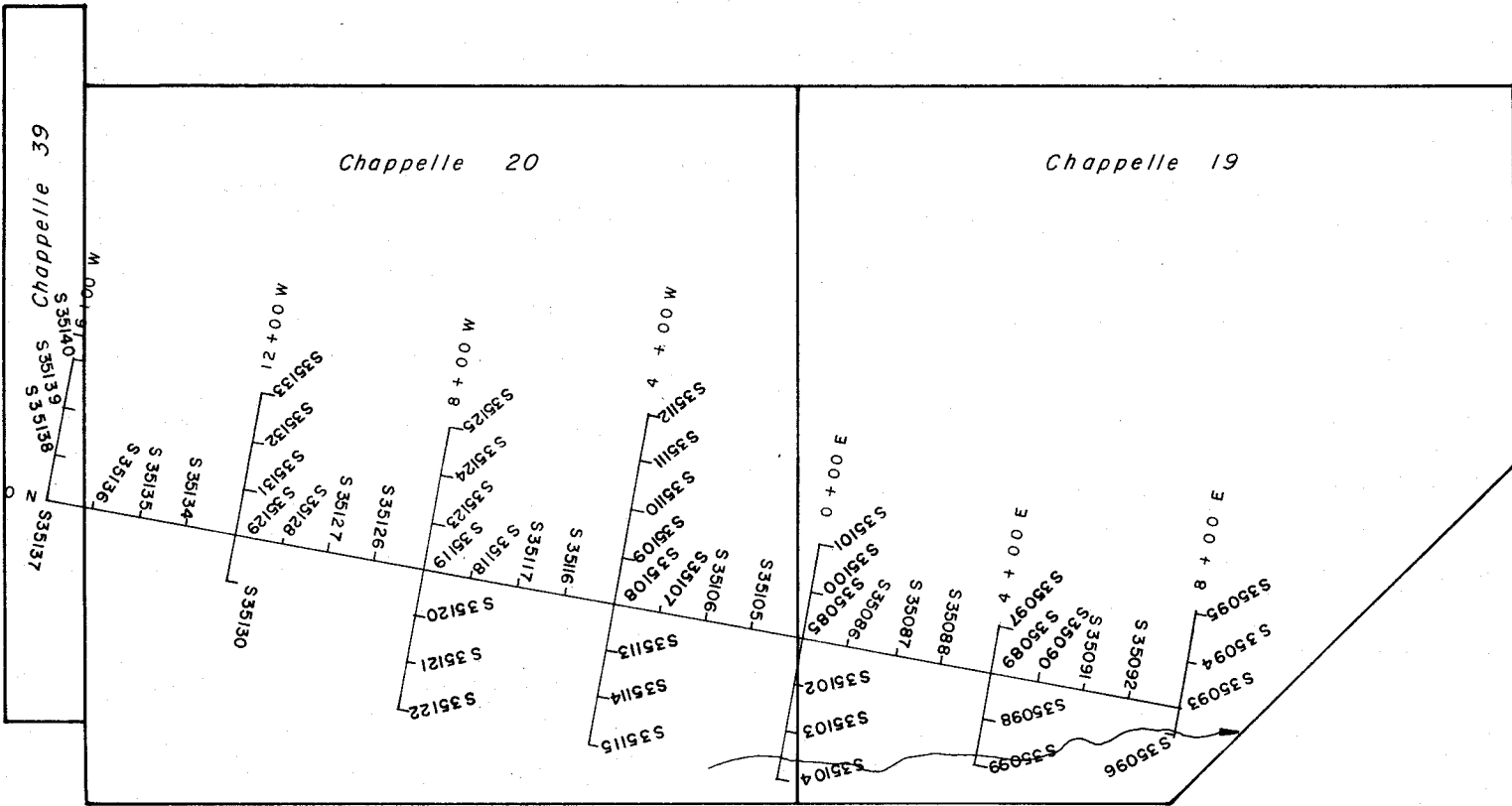
Analysis of 56 soil samples for Cu,Mo,Zn,Pb,Ag,Au,Co,Ni			\$308.00
Wages & Board:			
S.C. Gower	August 23	@ \$35.00 + \$10.00	45.00
P.R. Archibald	August 23	@ \$19.00 + \$10.00	29.00
C.P. Archibald	August 23	@ \$16.00 + \$10.00	26.00
Helicopter set-out on the property	0:30 hrs	@ \$175/hr	87.00
Drafting			<u>30.00</u>
		Total	= \$525.00

Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 3
day of November 1971, A.D.

R. W. Stevenson

Jan Senechal
A Commissioner for taking Affidavits within British Columbia
A Notary Public in and for the Province of British Columbia

Sub-Mining Recorder



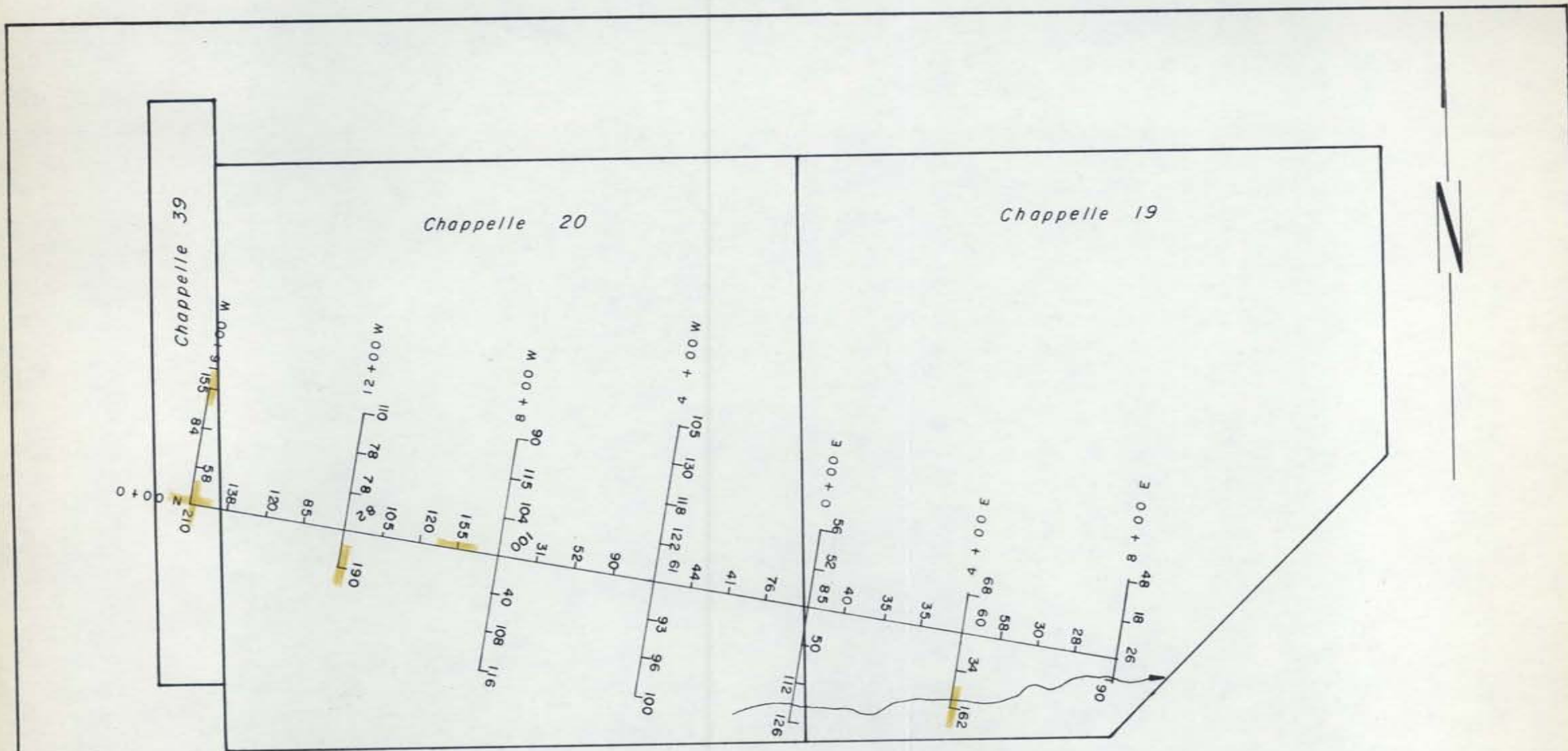
**Department of
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 NO. **3343** MAP **#2**

LEGEND

— Soil Sample

R. S. N. Stevenson

KENCO EXPLORATIONS (WESTERN) LIMITED			
Chappelle No. 4 Group Omineca M. D., B. C. Soil Geochemical Survey Soil Sample Sites			
DATA BY: S. C. G.		NTS. 94-E	PL NO: 1
DRAWN BY:	DATE:	SCALE: 1" = 400'	
TRACED BY: J. Q. L.		DATE: 7/10/71	
REVISIONS: P.N.S.Y.		FILE NO:	



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LEGEND

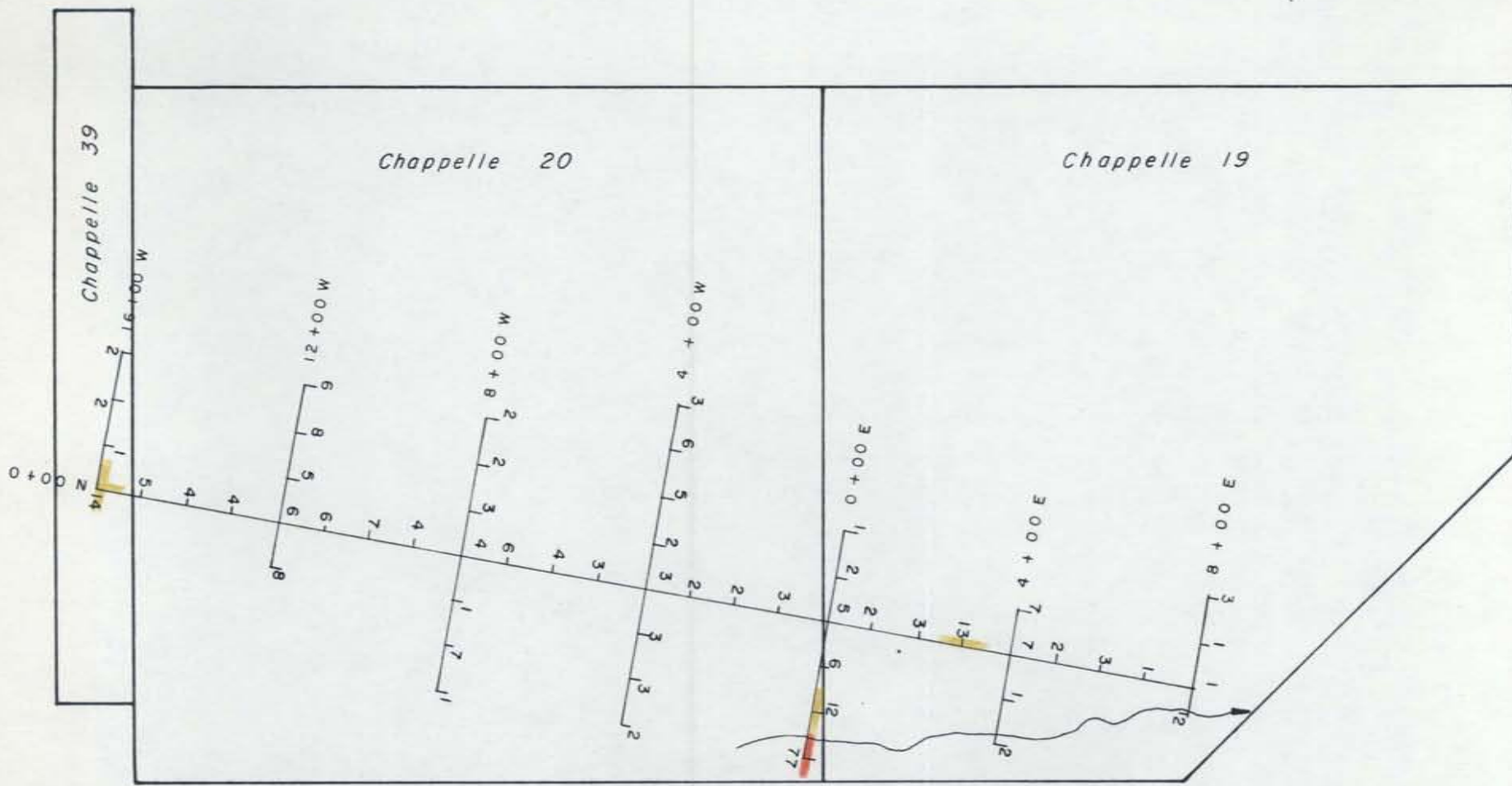
- Soil Sample
- Anomalous *R. V. Stevenson*
- Weakly Anomalous

All Metal Values in P. P. M.

KENCO EXPLORATIONS (WESTERN) LIMITED

Chappelle No. 4 Group
Omineca M. D., B. C.
Soil Geochemical Survey
Copper in Soil

DATA BY S. C. G.		M.T.S. 94-E PL. NO. 2	
DRAWN BY	DATE	SCALE	
TRACED BY J. Q. L.	DATE 7/10/71	1" = 400'	
REVISIONS: P.N.S.Y.		FILE NO	



LEGEND

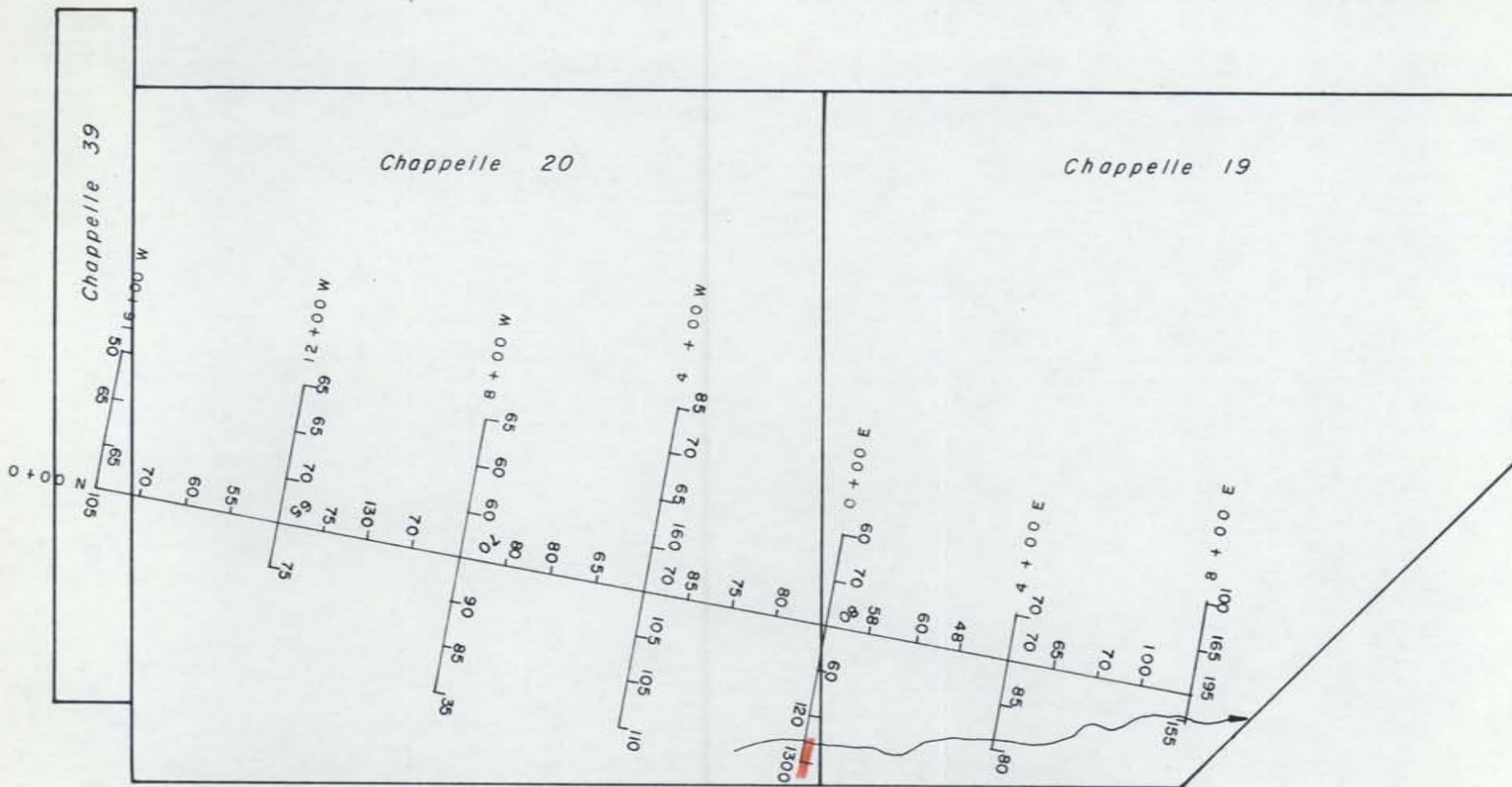
- Soil Sample
- Anomalous
- Weakly Anomalous

R. J. Stevenson

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All Metal Values in P. P. M.

KENNCO EXPLORATIONS (WESTERN) LIMITED		
Chappelle No. 4 Group		
Omineca M. D., B. C.		
Soil Geochemical Survey		
Molybdenum in Soil		
DATA BY: S. C. G.	N. T. S. 94 - E	PL. NO. 3
DRAWN BY:	DATE	SCALE:
TRACED BY: J. Q. L.	DATE 7/10/71	1" = 400'
REVISIONS: P. N. S. Y.	FILE NO.	



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LEGEND

- Soil Sample
- Anomalous
- Weakly Anomalous

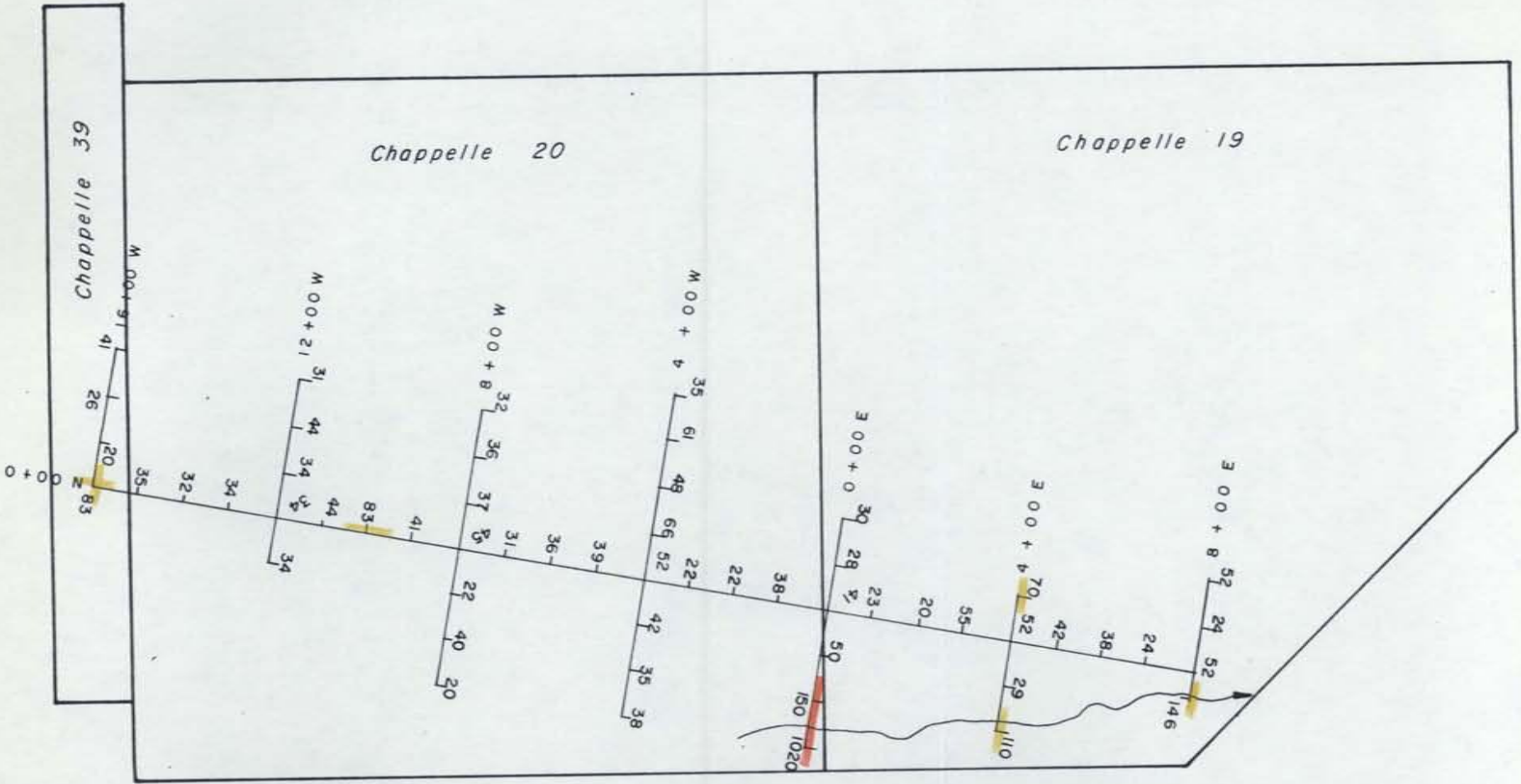
R. W. Stevenson

All Metal Values in P. P. M.

KENCO EXPLORATIONS (WESTERN) LIMITED

Chappelle No. 4 Group
 Omineca M. D., B. C.
 Soil Geochemical Survey
 Zinc in Soil

DATA BY: S.C.G.	MTS: 94-E	PL NO: 4
DRAWN BY:	DATE:	SCALE: 1" = 400'
TRACED BY: J.Q.L.	DATE: 7/10/71	
REVISIONS: P.N.S.Y.	FILE NO:	



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LEGEND

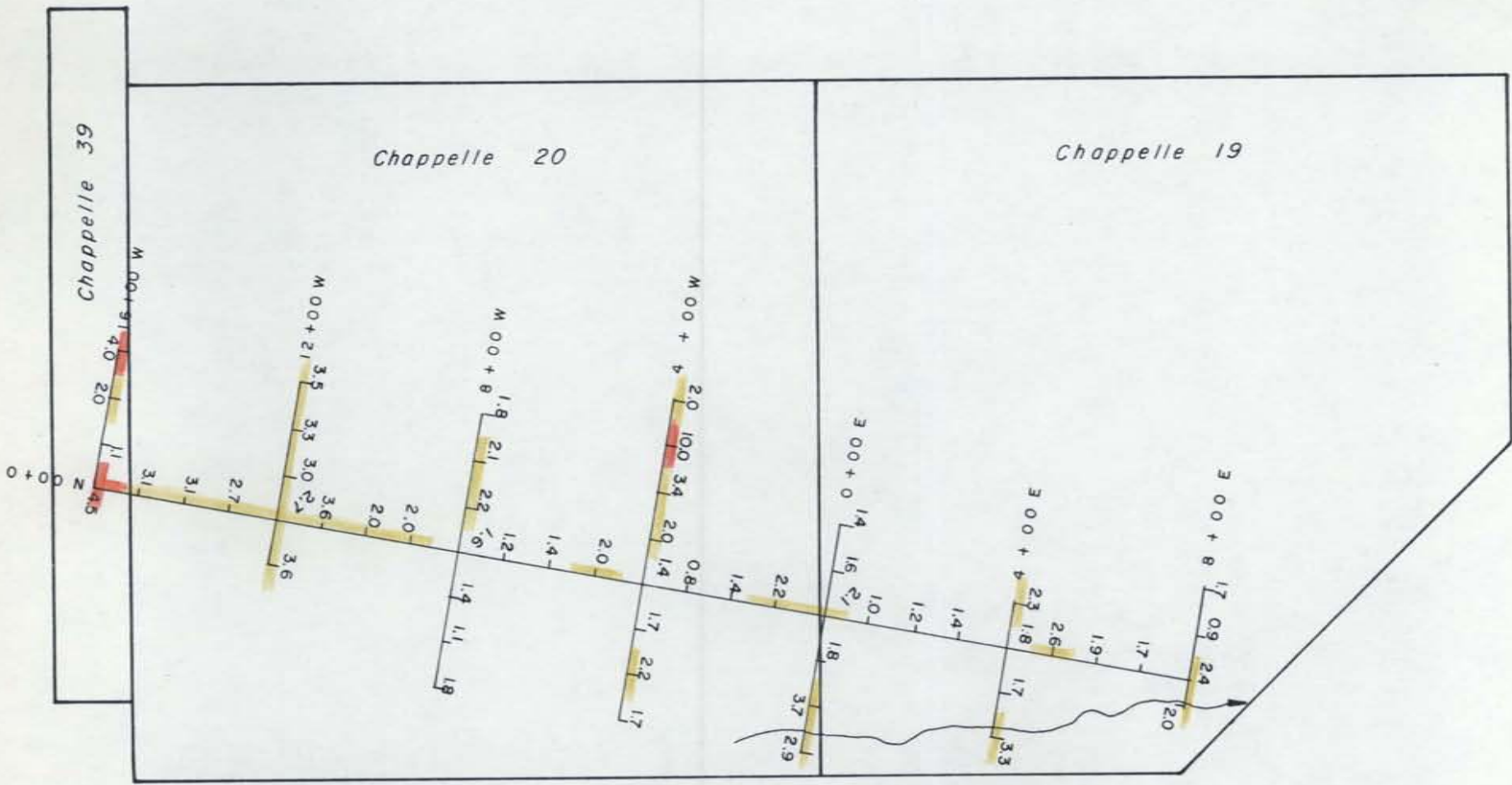
- Soil Sample
- Anomalous *R. St. Stevenson*
- Weakly Anomalous

All Metal Values in P. P. M.




KENCO EXPLORATIONS (WESTERN) LIMITED

Chappelle No. 4 Group
Omineca M. D., B. C.
Soil Geochemical Survey
Lead in Soil

DATA BY: S.C.G.	NTS. 94 - E	PL. NO. 5
DRAWN BY:	DATE	SCALE:
TRACED BY: J. Q. L.	DATE 7/10/71	1" = 400'
REVISIONS: P.N.S.Y.	FILE NO.:	



LEGEND

-  Soil Sample
-  Anomalous
-  Weakly Anomalous

R. S. V. Stevenson

All Metal Values in P. P. M.

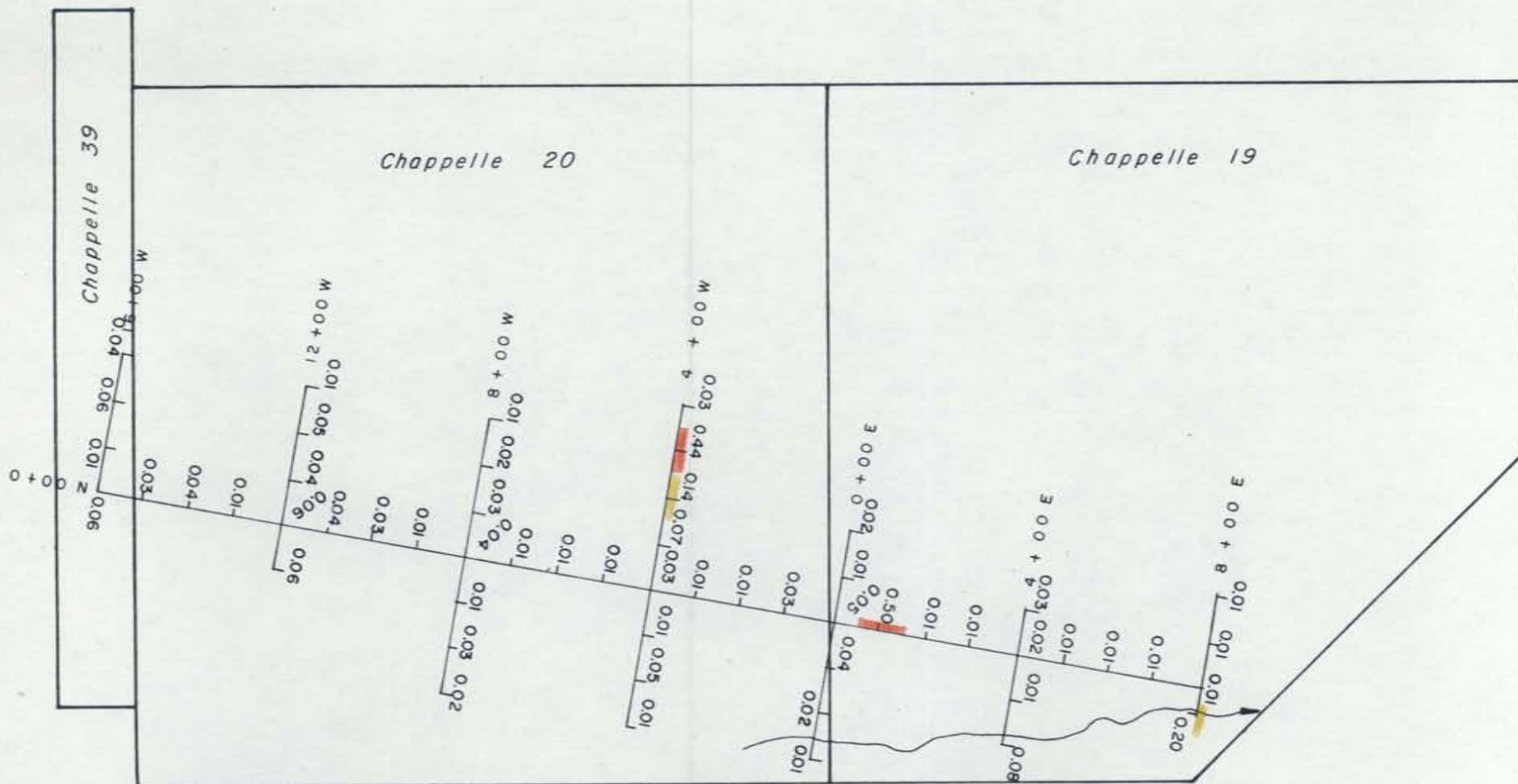
KENCO EXPLORATIONS (WESTERN) LIMITED

Chappelle No. 4 Group
Omineca M. D., B. C.
Soil Geochemical Survey
Silver in Soil

DATA BY: S. C. G.		N.T.S. 94-E	PL. NO. 6
DRAWN BY:	DATE	SCALE: 1" = 400'	
TRACED BY: J. Q. L.	DATE 7/10/71		
REVISIONS: P.N.S.Y.		FILE NO	




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LEGEND

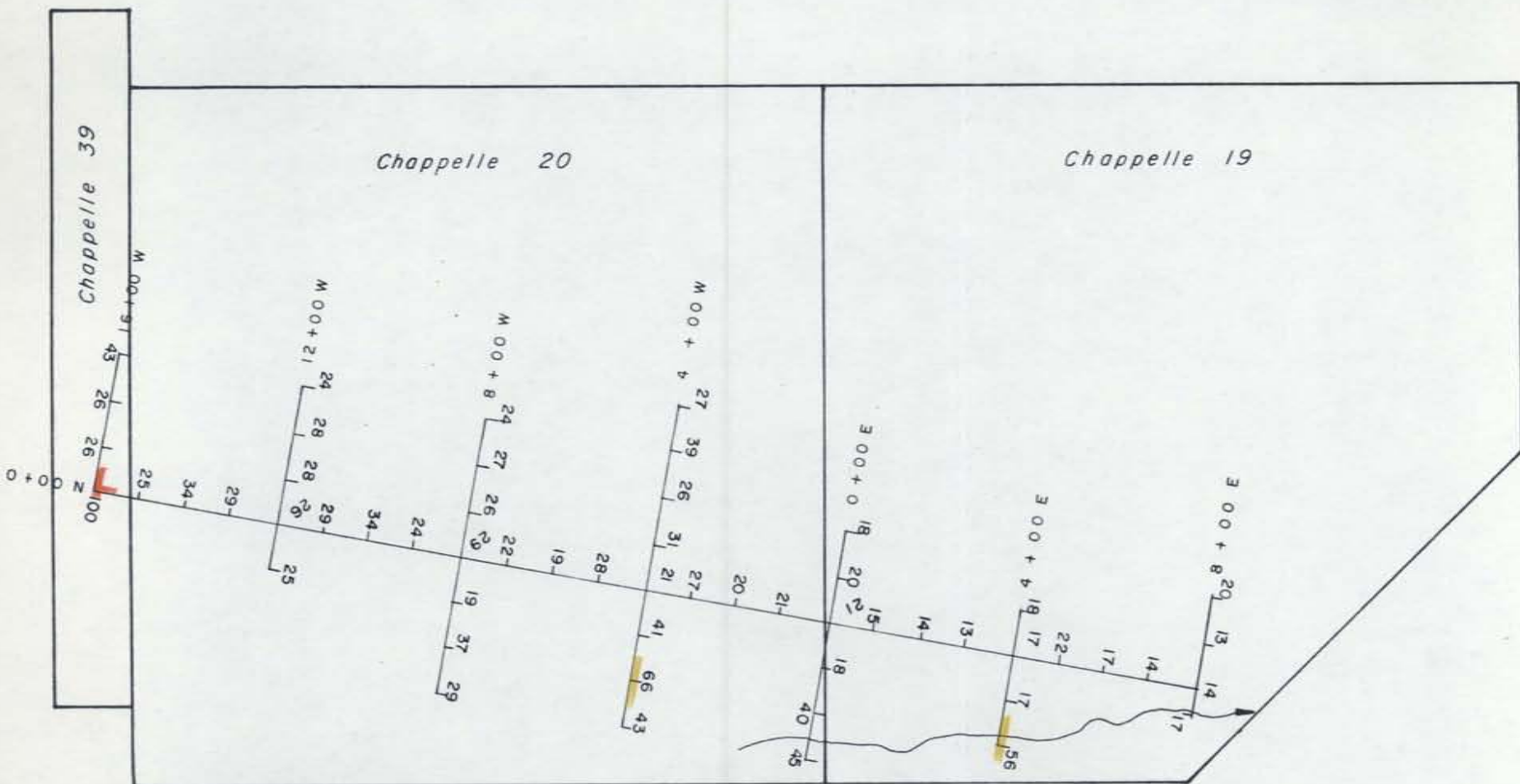
-  Soil Sample
-  Anomalous *R. J. Stevenson*
-  Weakly Anomalous

All Metal Values in P. P. M.

KENCO EXPLORATIONS (WESTERN) LIMITED

Chappelle No. 4 Group
 Omineca M. D., B. C.
 Soil Geochemical Survey
 Gold in Soil

DATA BY: S.C.G.		MTS 94-E	PL NO 7
DRAWN BY:	DATE:	SCALE: 1" = 400'	
TRACED BY: J.Q.L.	DATE: 7/10/71		
REVISIONS: P.N.S.Y.	FILE NO:		



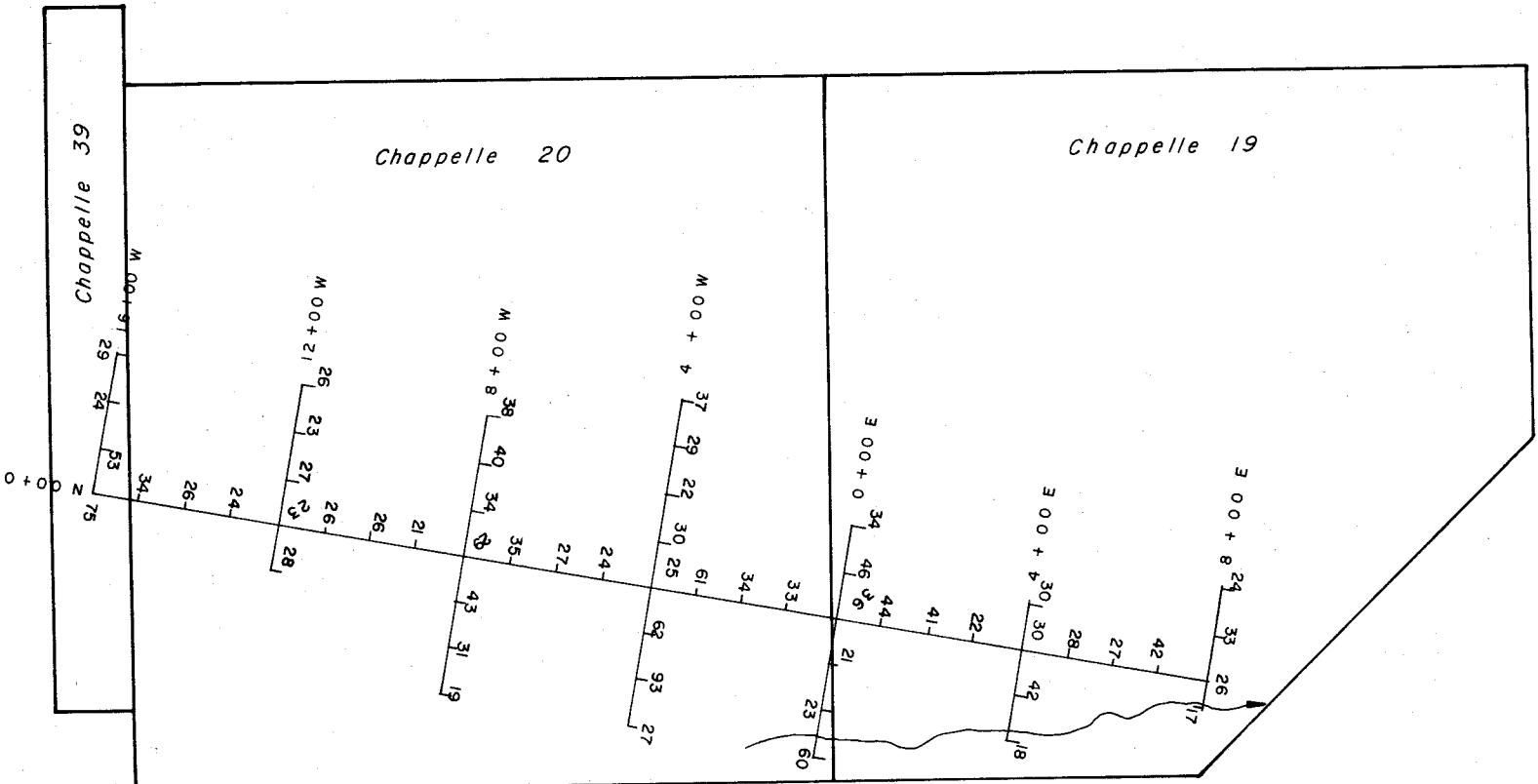
Department of
Mines and Petroleum Resources
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NO. 3343 MAP #9

LEGEND

- Soil Sample
- Anomalous *R.S.V. Stevens*
- Weakly Anomalous

All Metal Values in P. P. M.

KENCO EXPLORATIONS (WESTERN) LIMITED		
Chappelle No. 4 Group		
Omineca M. D., B. C.		
Soil Geochemical Survey		
Cobalt in Soil		
DATA BY: S. C. G.	N.T.S. 94-E	PL NO 8
DRAWN BY:	DATE	SCALE:
TRACED BY: J. Q. L.	DATE 7/10/71	1" = 400'
REVISIONS: P.N.S.Y.	FILE NO	



**Department of
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ASSESSMENT REPORT

NO. 3343 M.P. #10

LEGEND

- Soil Sample
- Anomalous *R. V. Stevens*
- Weakly Anomalous

All Metal Values in P. P. M.

KENCO EXPLORATIONS (WESTERN) LIMITED		
Chappelle No. 4 Group Omineca M. D., B. C. Soil Geochemical Survey Nickel in Soil		
DATA BY: S. C. G.	M.T.S. 94 - E	PL. NO: 9
DRAWN BY:	DATE	SCALE: 1" = 400'
TRACED BY: J. Q. L.	DATE: 7/10/71	
REVISIONS: P.N.S.Y.	FILE NO	

Mineral Occurrence Indicated? New Card Started? *No* Map No.

Property Name: Property No.

Location: 17 mi. NW of Thutade Lake H.T.S.: *402/60* M.D.: Omineca

Metals: Ref.:

Claims reported on: CHAPPELLE

Owner: KENNCO EXPLORATIONS (WESTERN) LIMITED

Address: 730-505 BARRARD ST., VANCOUVER 1, B. C.

Principal: Same

Address:

Authors: R.W. Stevenson, P. Eng. Co-signer:

Geol.: Geophys.: Geochem.: X. L.C.: Topo.: (Other)

Dates work done: Aug. 23/71

Affidavit submitted: Nov. 3/71 To C.M.B.: Nov. 12/71

Attention: ~~W.C. Carter~~

Total amount of work: \$ 500

Certificates of work claimed: \$ 500

Comment: Acceptable for \$500.

G. P. Eastwood - Nov. 19 '71

C

accepted

John D. Woodard
Chief, Mineralogical Branch

Acceptance Date: 24/11/71

FINAL AMOUNT OF WORK APPROVED: \$ 500.00 Assessment Report No. 3343