3417

KENNCO EXPLORATIONS, (WESTERN) LIMITED

REPORT

ON

SILT GEOCHEMICAL SURVEY

CHAPPELLE NO. 8 GROUP

(Chappelle Mineral Claims 50,55-62, 73-78, 91-93, 221-228, 239-244.
Saunders Mineral Claims 25,27,29,52,54,56)

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

57°18'N; 127°05'W

94E 16E

by

R. W. Stevenson, P. Eng.

Work done July 13, 1971

November 30, 1971

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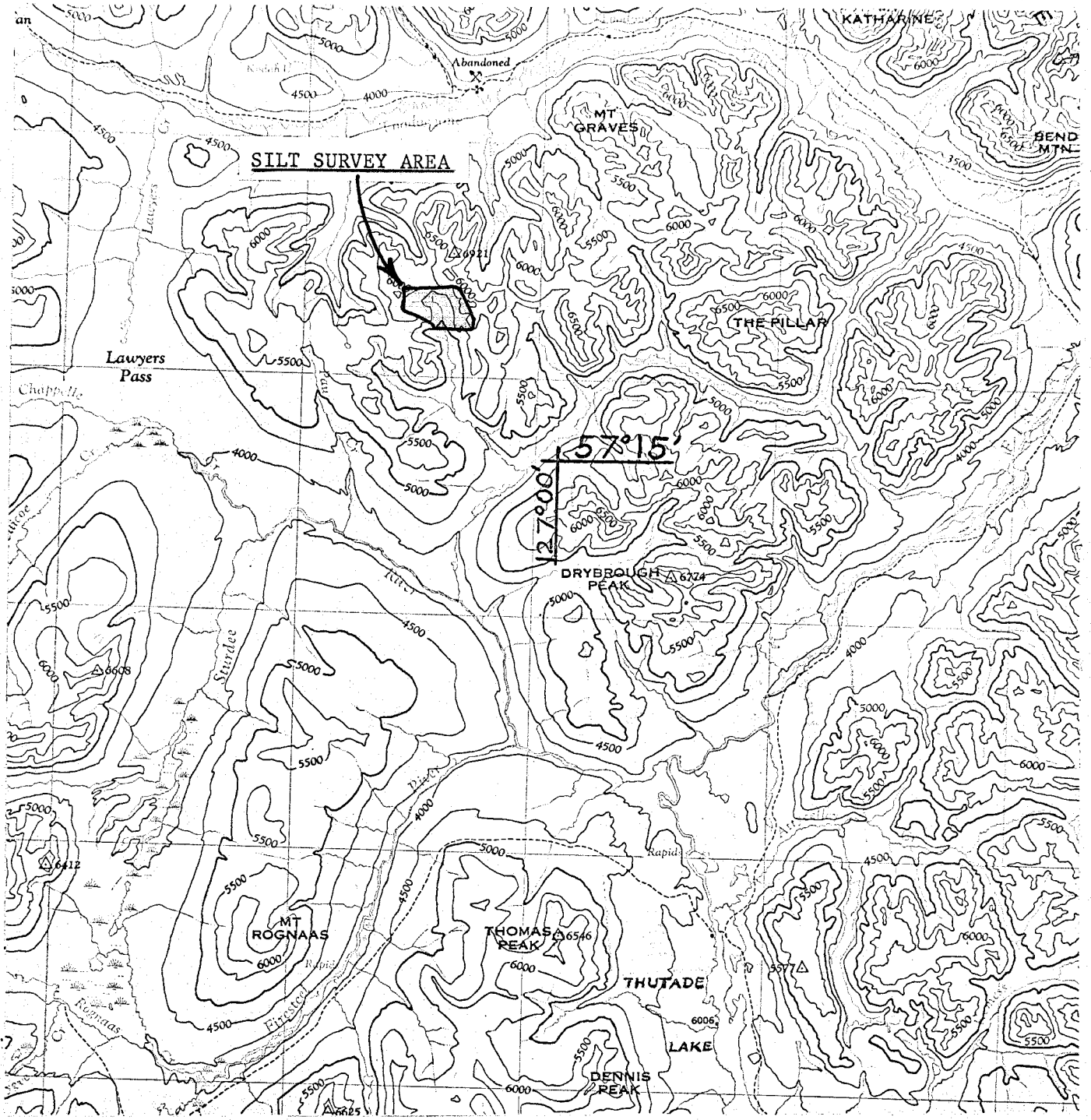


Kennco Explorations, (Western) Limited

CHAPPELLE AREA

Situated northwest of Thutade Lake

Omineca Mining Division
British Columbia

R. H. Stevenson

LOCATION MAP of
SURVEY AREA

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 silt geochemical survey. It was done on July 13, 1971, and was applied on claims having record dates of November 9 and 10.

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

LOCATION AND ACCESS

The property is situated at Latitude 57°18'N, Longitude 127°05'W, about 285 miles northwest of Prince George. This is about 17 miles northwest of Thutade Lake. The survey area is about 4800' to 6000' above sea level. Most of the area is above tree-line, and is grass-covered; but alpine fir grows along the valleys.

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. Local travel in the survey area is fairly easy, except for the difference in elevation between the lower parts of the streams, and their sources. Helicopter set-outs were used so as to minimize the travel time to the survey locations.

SILT GEOCHEMICAL SURVEY

Silt Survey Field Work

Sample Site Control

Sample sites were plotted in the field, on a topographic map having a scale of 1" = 2640'. These maps were obtained by enlarging portions of the 1:250,000 topographic map. Each sampling traverse was started from a point which could be identified easily on the topographic map. Sample site locations were plotted by pace and compass until another easily identifiable checkpoint was reached. The crew was set out by helicopter on each traverse so as to utilize as much as possible of the working day in sample collection. A drainage base map with a scale of 1" = 1320' was compiled for use in plotting the sample results for office interpretation.

Silt Sample Collection

In general, the samples were taken at 800 to 1000 foot intervals on the main streams, depending on where suitable silt could be found. More detail was added in areas containing side streams or seepages.

Samples were taken from "active" material; that is, under flowing water, either in streams or seepages. The samples were taken with a shovel. Fine-grained silt was selected. Care was taken to avoid high organic material, and well washed clay.

The sample site and number were then plotted on the field map. A note was made of the sample number; the width, depth, and speed of flow of the stream; the type of sediment sampled; and any peculiarities of nearby drainage, such as above or below a pond or swamp.

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. The samples 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 purpose of the silt survey was to explore the potential of this part of the property as a guide to further exploration work. The configuration of streams and seepages made this a practicable goal. The results are plotted on Plates 1 to 9.

Metal values in the silt samples over the entire survey are relatively low. Only one sample site is considered to be even weakly anomalous. It is sample number 14067 on Chappelle No. 78 mineral claim. It contains 265 ppm zinc, 62 ppm lead, 6 ppm molybdenum, 55 ppm cobalt, and 58 ppm copper.

R. W. Stevenson P. Eng.

R. W. Stevenson.

Vancouver, B.C.

November 30, 1971

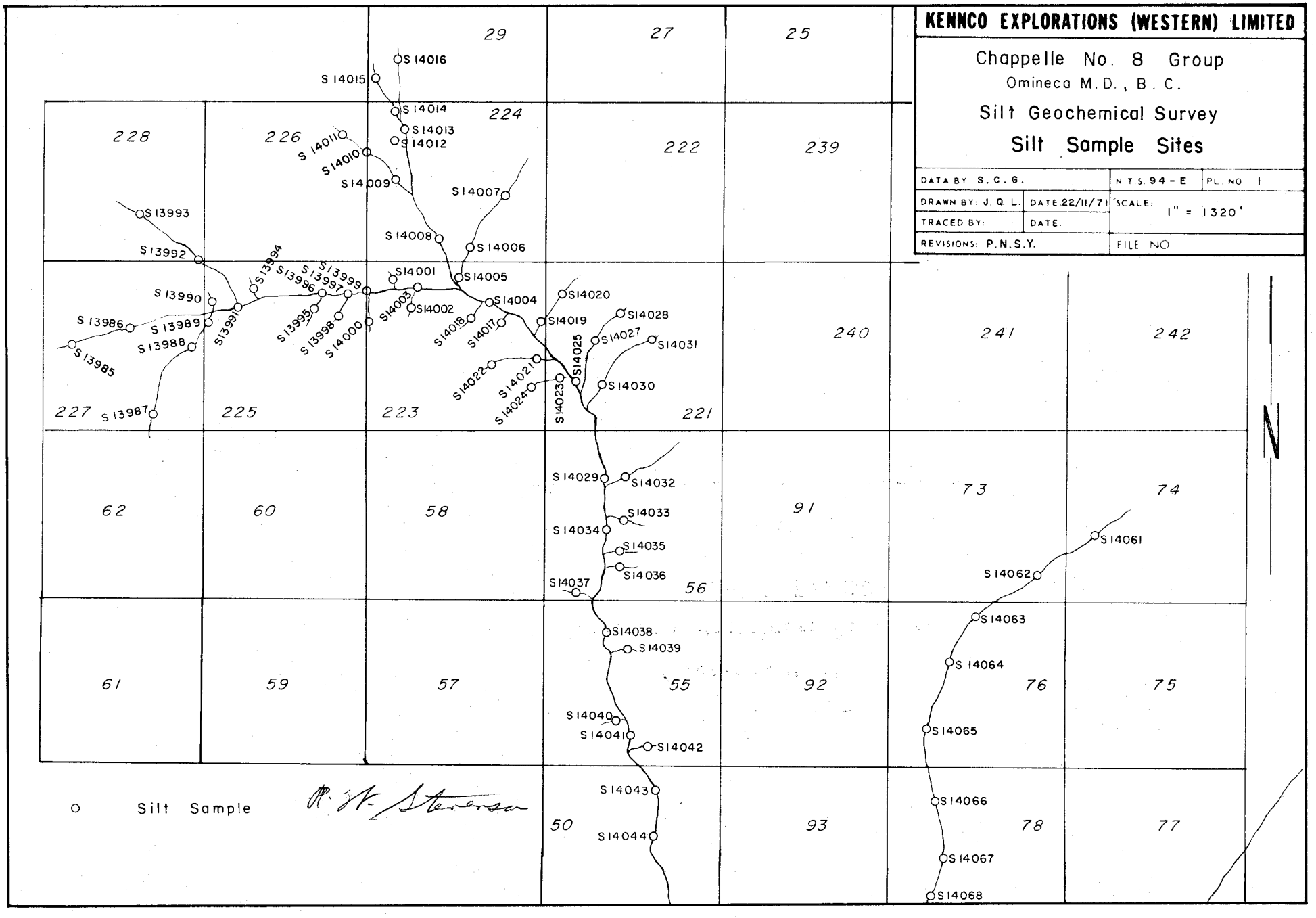
STATEMENT OF COSTS

The costs incurred on assessment work on the Chappelle No. 8 Group o- mineral claims were as follows:

Analysis of 64 silt samples for Cu,Mo, Zn,Pb,Ag,Au,Co,Ni	$352.00
Wages and Board:	
A.B. Flower, July 13 @ $21.00 +$10.00	31.00
B. Froebel July 13 @ $21.00 +$10.00	31.00
Helicopter setout on the property 0:30 hrs @ $175/hr.	87.00
Drafting & typing	30.00
Total	$531.00

R. W. Stevenson

R. W. Stevenson, P. Eng.


KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Silt Sample Sites
DATA BY S.C.G.
N.T.S. 94-E
PL. NO. 1
DRAWN BY: J.Q.L.
DATE 22/11/71
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TRACED BY:
DATE.
REVISIONS: P.N.S.Y.
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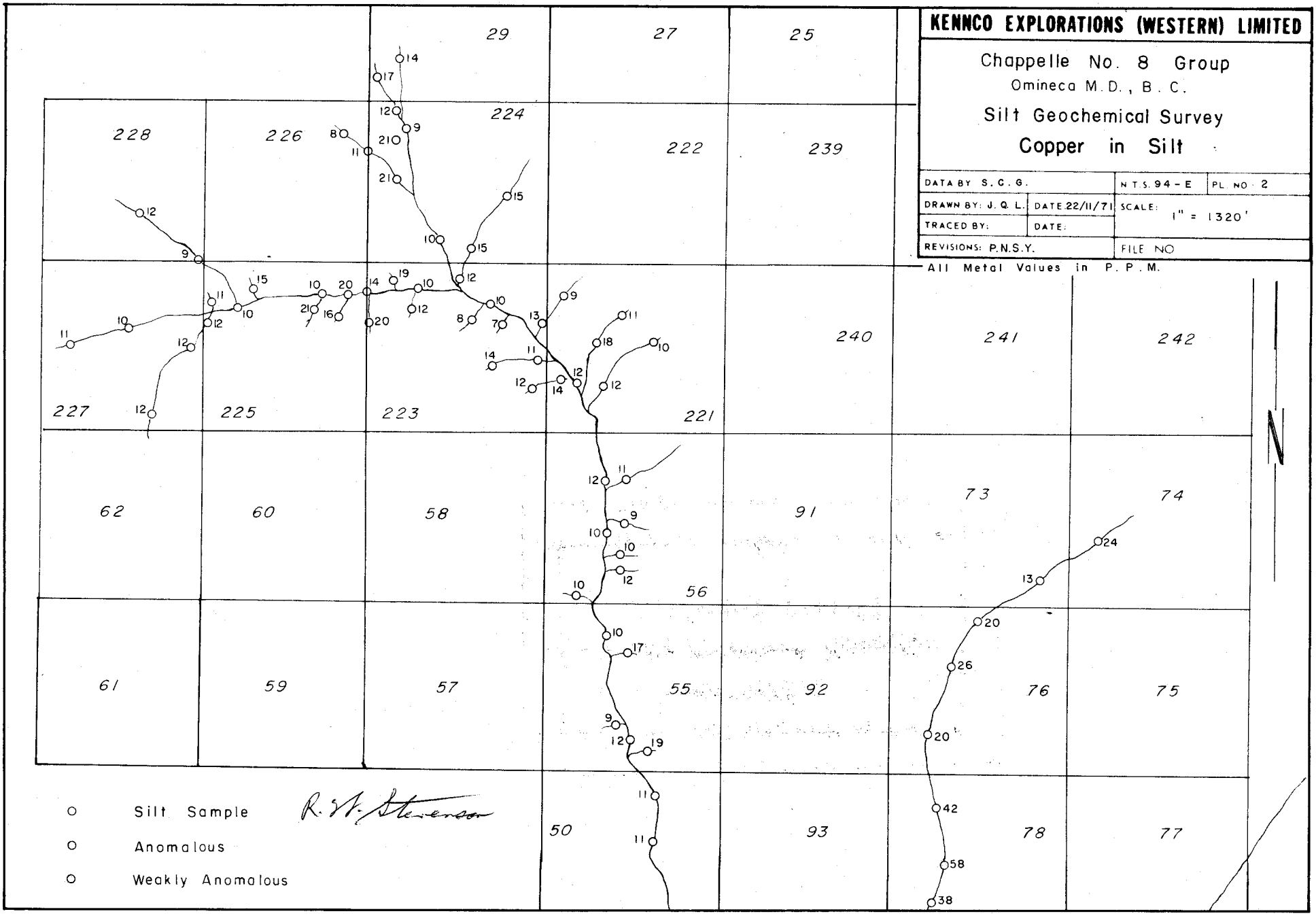
○ Silt Sample


KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Copper in Silt
DATA BY S.C.G.
N.T.S. 94-E
PL. NO. 2
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DATE:
REVISIONS: P.N.S.Y.
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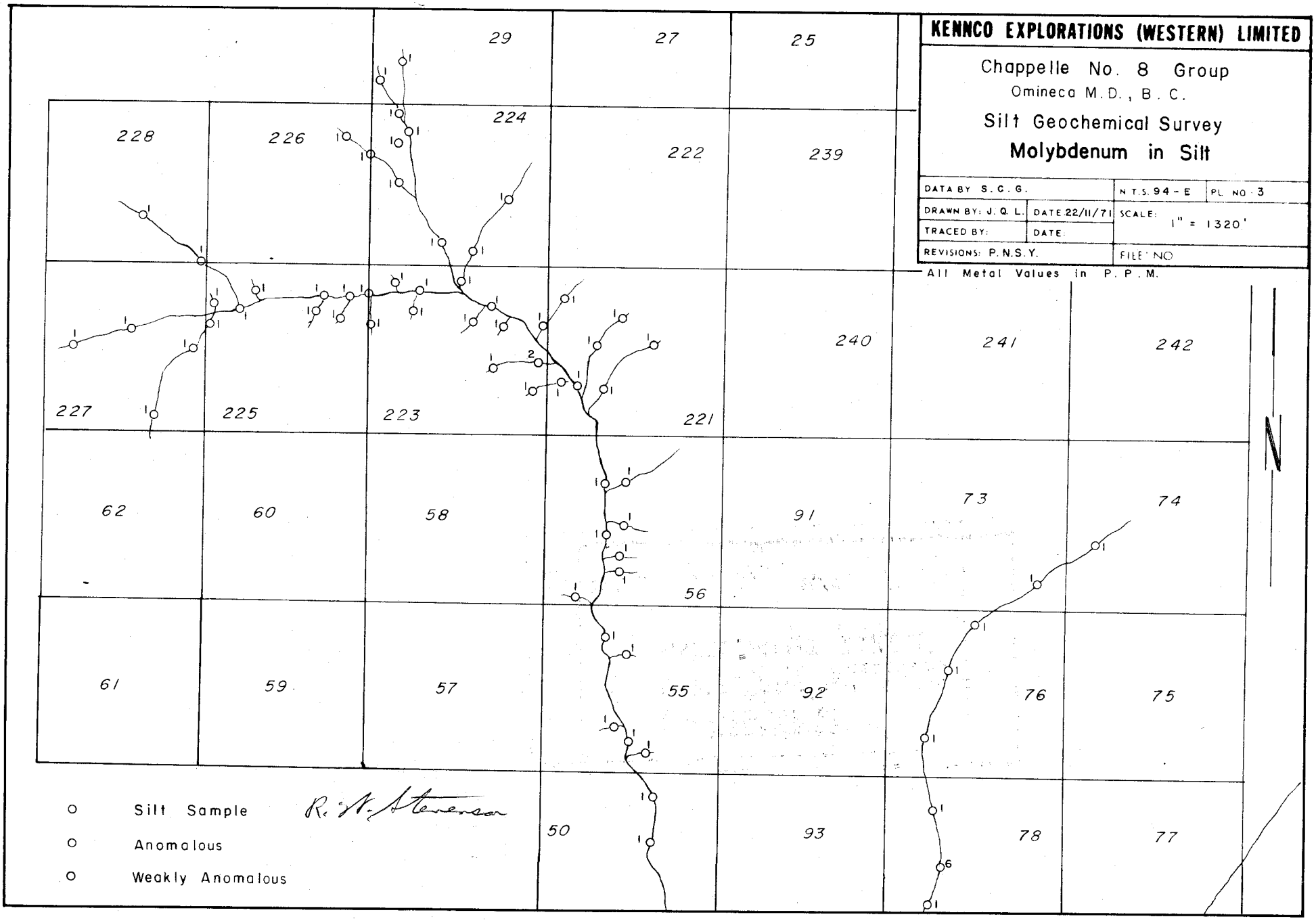
Silt Sample
Anomalous
Weakly Anomalous
R. V. Stevenson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Silt Sample
Anomalous
Weakly Anomalous
R. W. Stevenson
KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Molybdenum in Silt
DATA BY S.C.G.
N.T.S. 94-E
PL. NO. 3
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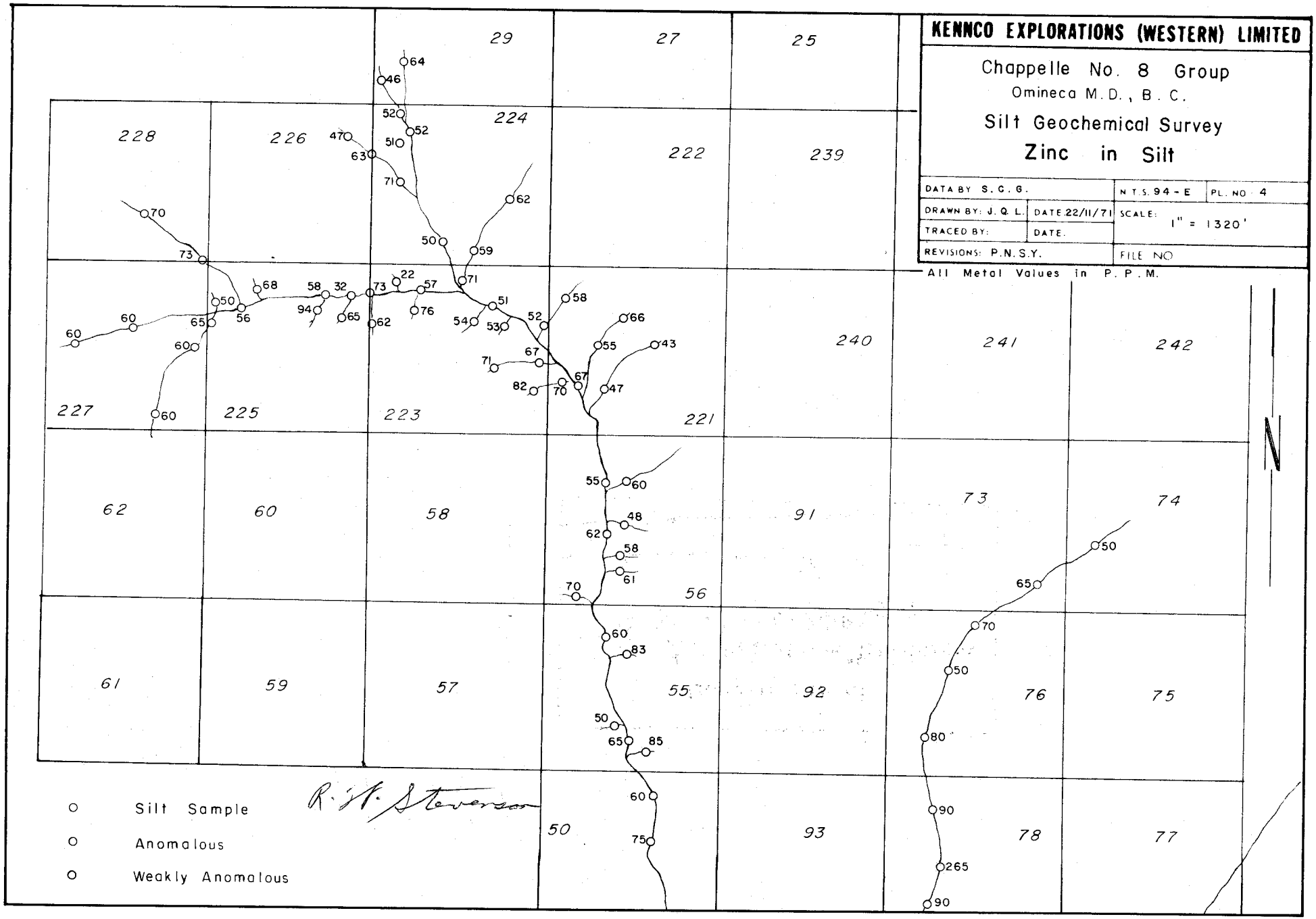
KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Zinc in Silt
DATA BY S.G.G.
N.T.S. 94-E
PL. NO 4
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DATE 22/11/71
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TRACED BY:
DATE.
REVISIONS: P.N.S.Y.
FILE NO
All Metal Values in P.P.M.
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Silt Sample
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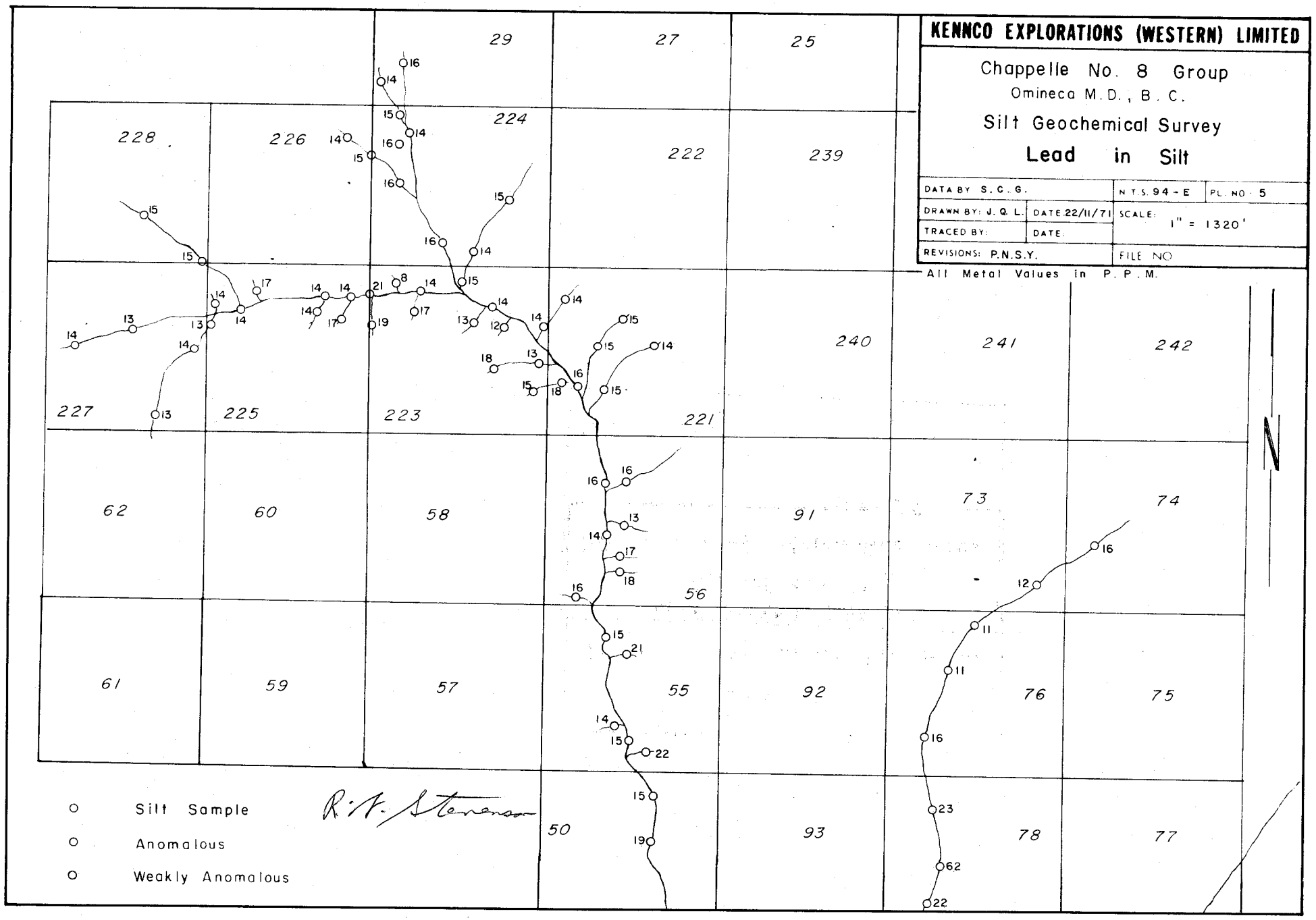
Weakly Anomalous
R. J. F. Stevenson


KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Lead in Silt
DATA BY S.C.G.
N.T.S. 94-E
PL. NO. 5
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REVISIONS: P.N.S.Y.
FILE NO
All Metal Values in P.P.M.
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Silt Sample
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Weakly Anomalous
R.A. Stevenson
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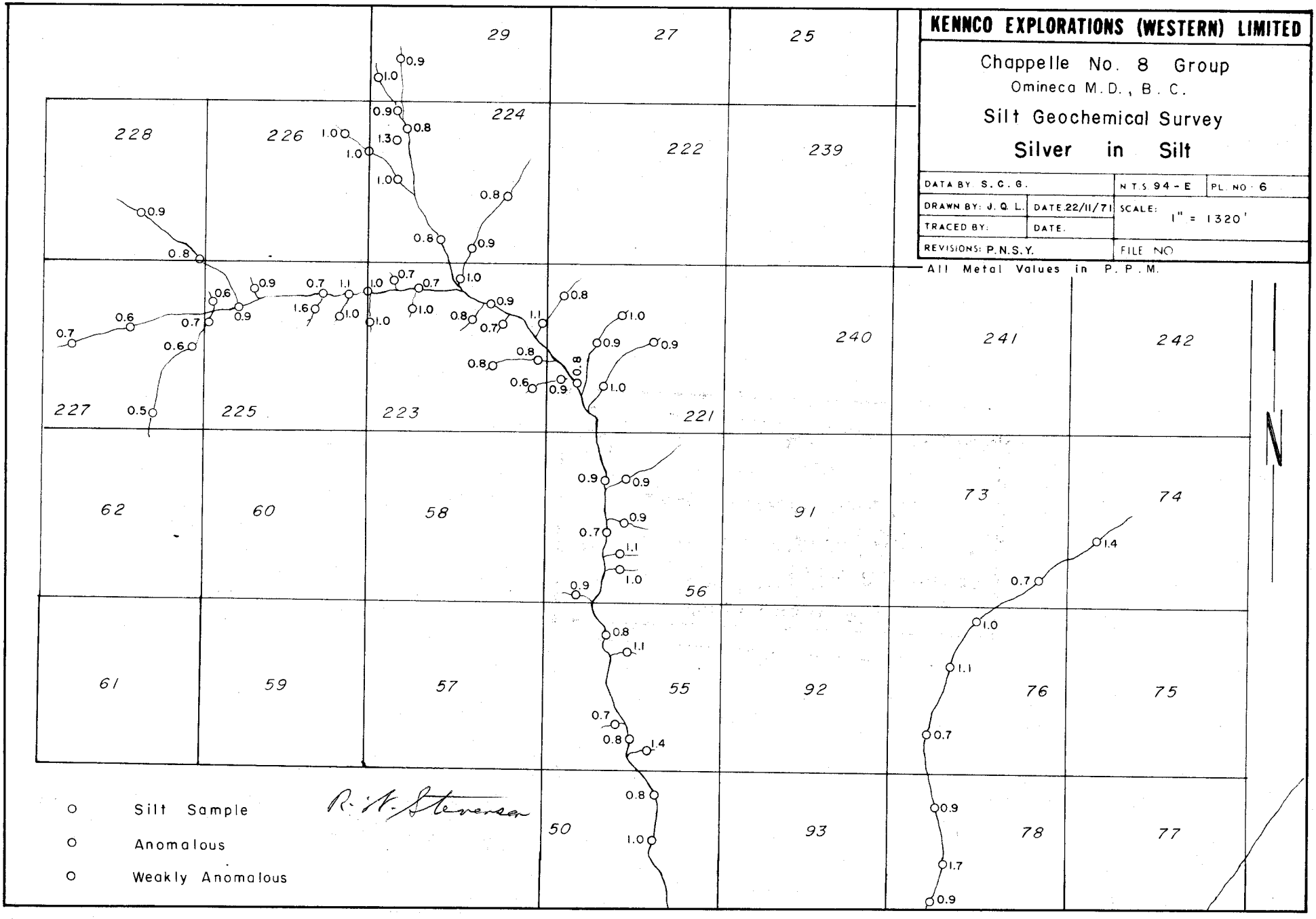
KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Silver in Silt
DATA BY: S.C.G.
NTS 94-E
PL. NO. 6
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DATE 22/11/71
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REVISIONS: P.N.S.Y.
FILE NO.
All Metal Values in P.P.M.
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Silt Sample
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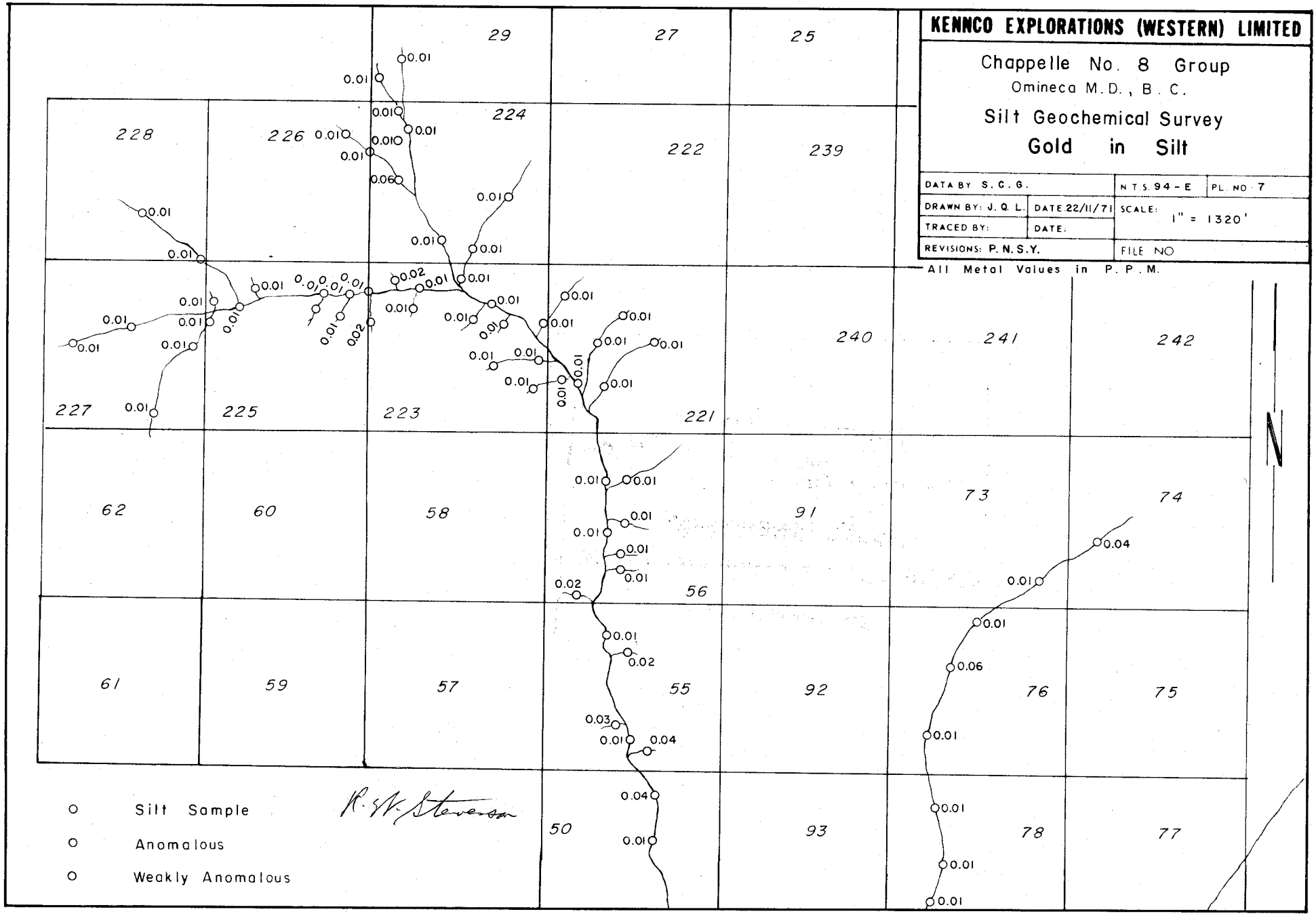
R. H. Stevenson


KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Gold in Silt
DATA BY S.C.G.
N.T.S. 94-E
PL. NO. 7
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DATE 22/11/71
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FILE NO
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Silt Sample
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R. W. Stevenson
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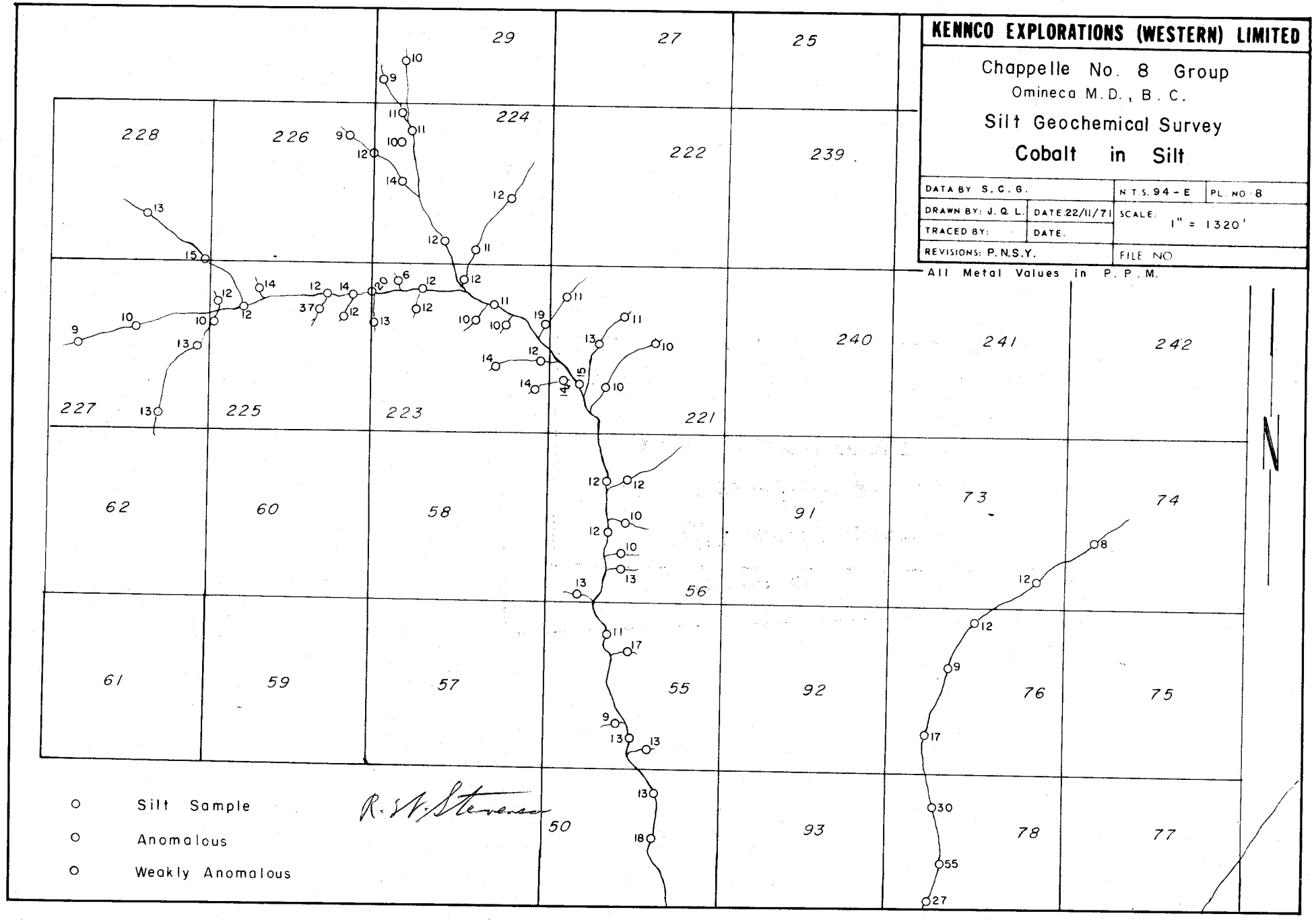
KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
Omineca M.D., B.C.
Silt Geochemical Survey
Cobalt in Silt
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Silt Sample
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R. N. Stevenson
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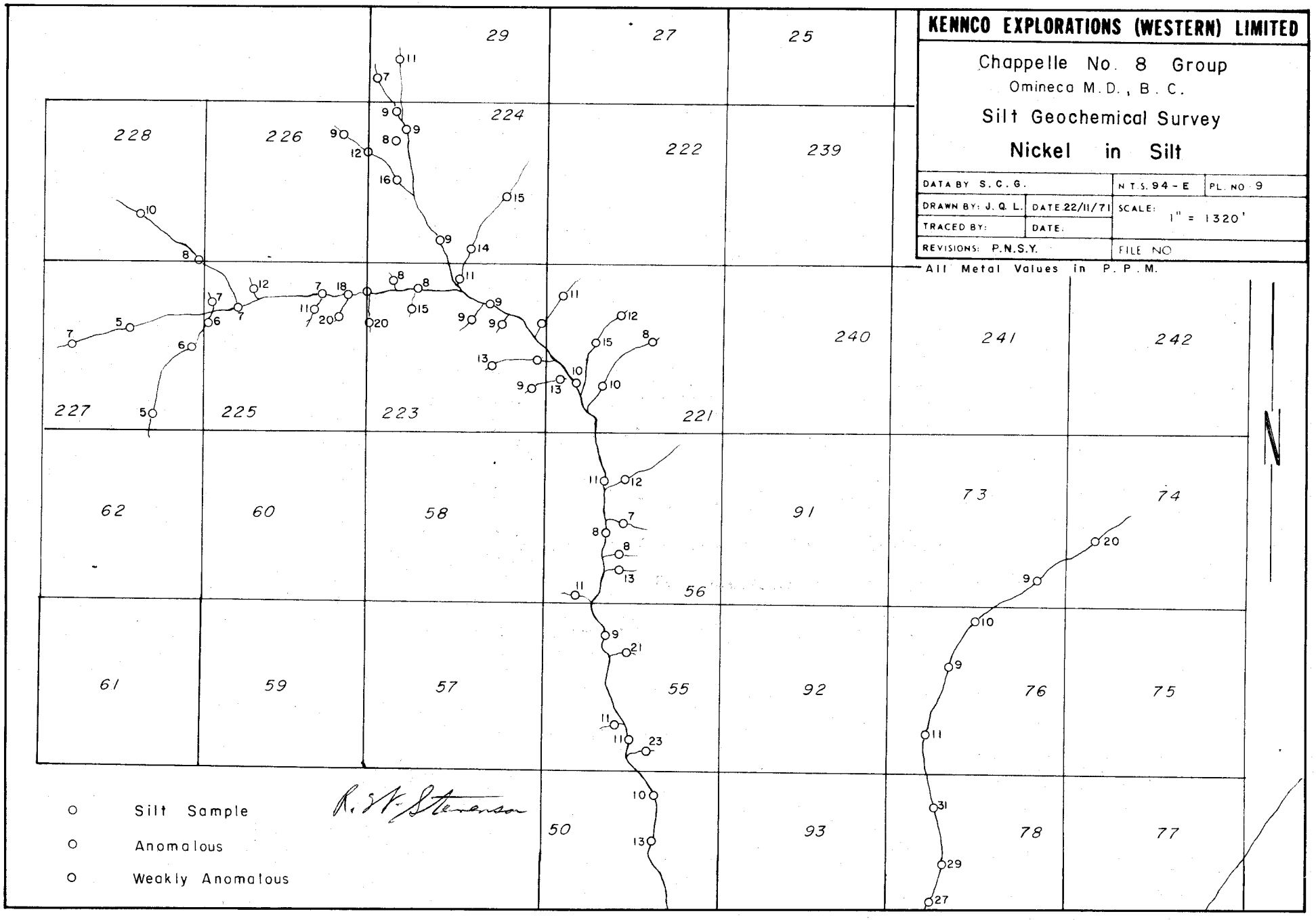
KENNCO EXPLORATIONS (WESTERN) LIMITED
Chappelle No. 8 Group
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Nickel in Silt
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PL. NO. 9
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