5522

92N/14E & 15W

92N/14E, 15W

CITIES SERVICE MINERALS CORPORATION

1974 REPORT

#5522

ON THE

"PIN" CLAIMS

TATLA LAKE PROJECT, B.C.

1974 GEOPHYSICAL REPORT

ON THE

PIN CLAIM GROUP (PIN 1 - 106)

LOCATED NEAR TATLA LAKE, BRITISH COLUMBIA

IN THE

CARIBOO ~~CLINTON~~ MINING DIVISION

APPROXIMATELY

2½ MILES EAST OF PERKINS PEAK

AT COORDINATES 51°49' N. LAT. 125°02' W LONG.

OWNED BY

CITIES SERVICE MINERALS CORPORATION

WORK BY

MORRISON AND DEPAOLI

GEOPHYSICAL CONTRACTORS & CONSULTANTS

AND

J. W. MURTON, P. ENG.

TABLE OF CONTENTS

ILLUSTRATIONS -

#1a CLAIM LOCATION MAP
1b GRID LOCATION
1c CLAIM LOCATION

INTRODUCTION -

The Pin Claim Group is located on the east side of the Coast Range Mountains approximately 160 miles west southwest of Williams Lake, British Columbia. The property consist of 106 mineral claims owned by Cities Service Minerals Corporation and is currently being investigated for the possibility of a copper deposit. During the period August 12-17, 1974, a total of 4.4 line miles of induced polarization/resistivity surveying were completed over the property. The following report describes the instrumentation field procedure and results obtained from the survey.

The work was executed by Morrison and DePaoli I.P. Surveys upon the request of Cities Service Minerals Corporation and under the direct supervision of G. Salazar, M.A. and J.W. Murton, P. Eng.

LOCATION AND ACCESS -

The Tatla Area is located 200 miles north 25° west from Vancouver, B.C. or 142 miles west southwest from Williams Lake. Access to the property is firstly via highway 20, a gravel road connecting Williams Lake to Bella Coola. Secondly, via Kleena Kleene Gold Mine private road which departs south from highway 20 approximately 17 miles west of Tatla Lake. Final Access to the property is by foot or helicopter to the base of Perkins Peak which lies 2 miles south of the Kleena Kleene Gold Mine Road.

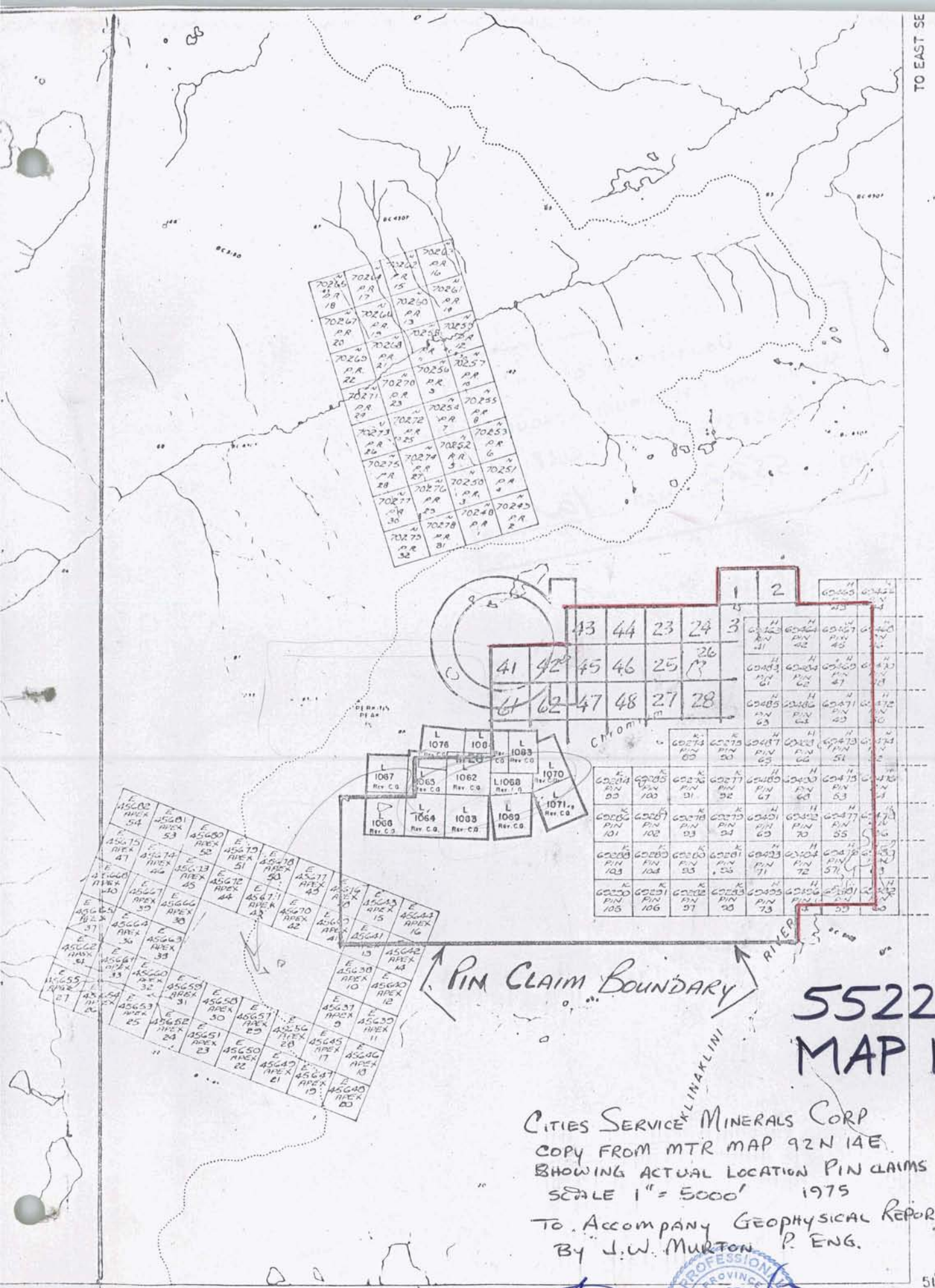
FIGURE No. 1: LOCATION MAP OF THE "PIN" GROUP OF CLAIMS

SCALE 1" = 34 Miles (Approximately)

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5522 MAP 1

5522
MAP 1



5522
MAP 1A

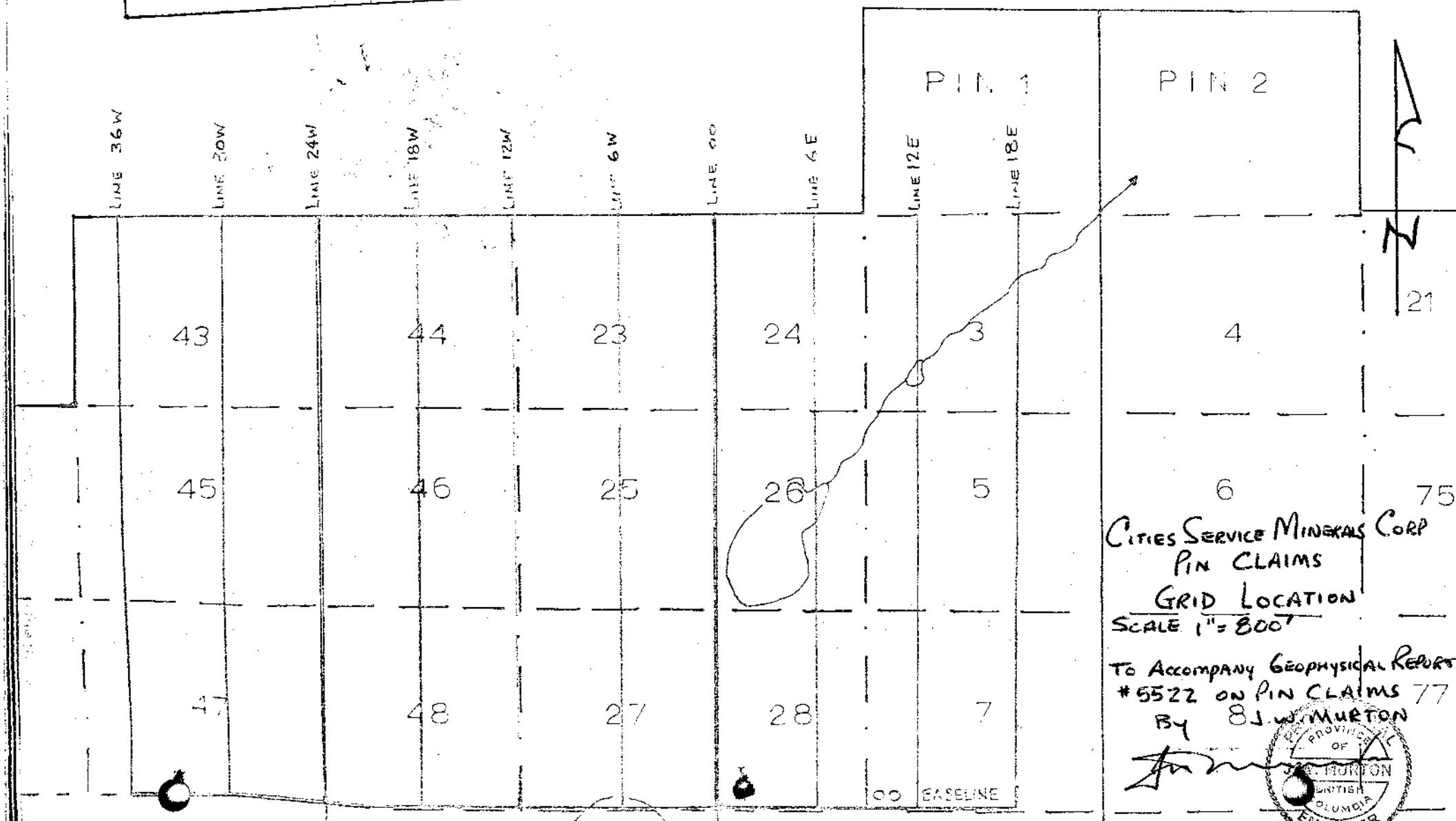
CITIES SERVICE MINERALS CORP
COPY FROM MTR MAP 92N 14E
SHOWING ACTUAL LOCATION PIN CLAIMS
SCALE 1" = 5000' 1975
TO ACCOMPANY GEOPHYSICAL REPORT
BY J.W. MURTON P. ENG.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. W. MURTON

MINES AND PETROLEUM RESOURCES

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5522 MAP 16

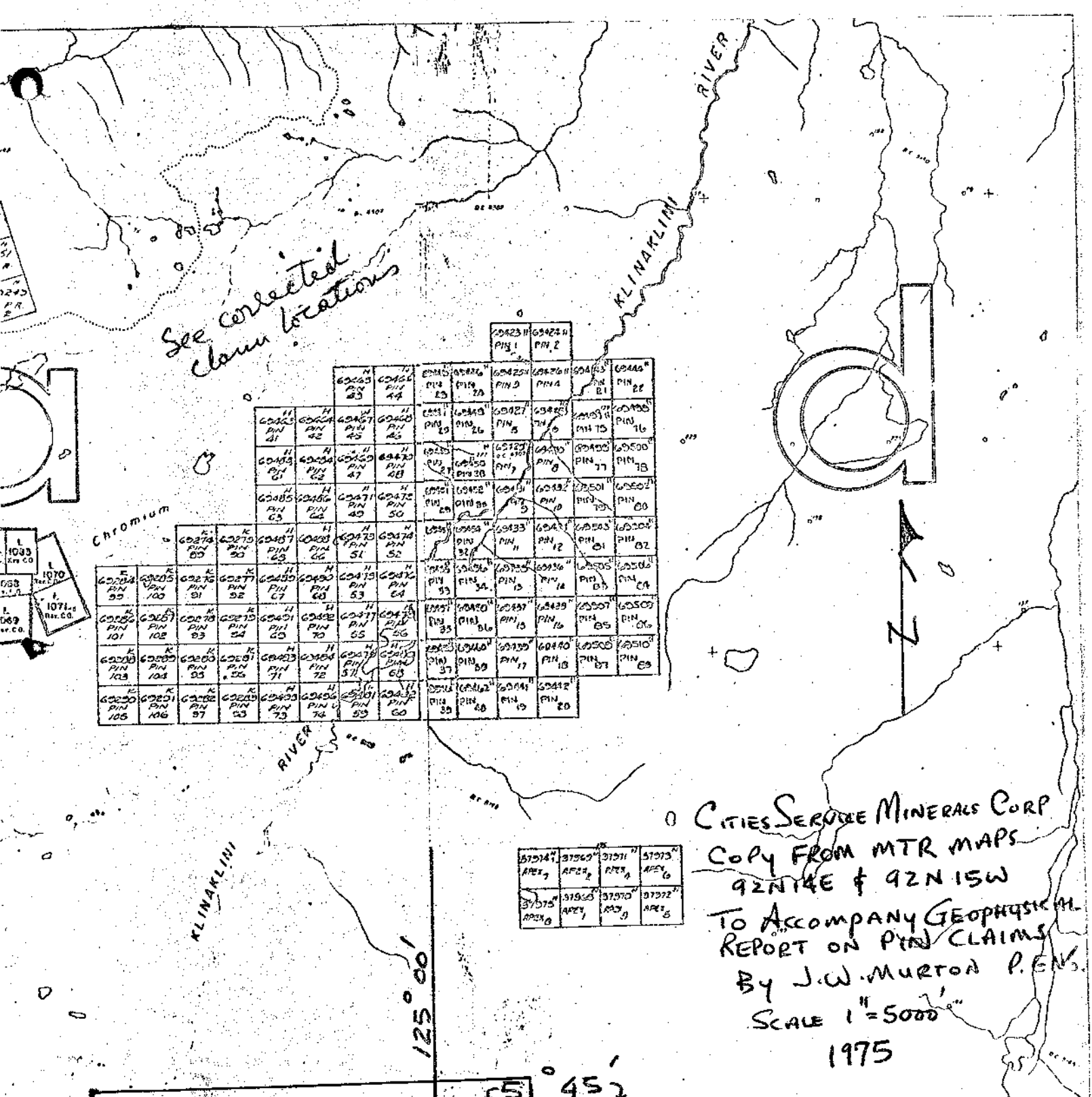
5522
MAP 16



CITIES SERVICE MINERALS CORP
PIN CLAIMS
GRID LOCATION
SCALE 1" = 800'

TO ACCOMPANY GEOPHYSICAL REPORT
#5522 ON PIN CLAIMS 77
BY J. W. MURTON

J. W. MURTON
PROVINCE OF BRITISH COLUMBIA



Cities Service Minerals Corp
Copy from MTR maps
92N14E & 92N15W
To Accompany Geophysical
Report on PIN Claims
By J.W. Murton P.Eng.
Scale 1" = 5000'
1975

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5522 MAP 1c

#5522

5522
MAP 1C

GRID CONTROL -

The control grid consists of 5.8 miles of cut, chained and flagged lines. The southern baseline is 5400 feet long and strikes east-west. The six perpendicular cross lines are spaced at 1200 foot intervals except for line 36 west. The lines are fill-in lines which were added to an existing grid.

GENERAL GEOLOGY -

Most of the property is underlain by andesite, tuffaceous andesite, maroon agglomerate and tuff and rhyolite-dacite. All of the above rock types are thought to be Cretaceous in Age. Andesite and tuffaceous andesite are mostly greenish gray and fine grained. Many of the outcrops are chloritized and contain veinlets of epidote.

A prominent shear trending north 70° east with moderate dips southeast occurs in the southern portion of the property. Rocks along the shear have been intensely altered, sericitized and slightly silicified. Cubic cavities with limonite are noted in weathered rocks, but finely disseminated grains of pyrite were observed in fresh sheared rock.

Interest on the property is focused on the presence of copper bearing float. Chalcopyrite, chalcocite, bornite and considerable malachite staining is noted in float scattered throughout the property.

INDUCED POLARIZATION SURVEY -

a) Introduction & Theory -

In order to further delineate a known induced polarization anomaly six lines of induced polarization/resistivity surveying were completed over the Pin Claims.

The term induced polarization means the electrical separation (i.e. separation of charges) induced by an applied electric field. The cause of this polarization is changes in the mobilities of ions within a rock, at the interface between zones of different mobilities, excesses or deficiences of ions occur; the concentration gradients developed oppose the current flow and cause a polarizing effect. When grains block the pore passages of rocks and a current is applied, a concentration of ions builds up at the electrolyte (water) - metal interface while awaiting an electrochemical reaction which must occur before the electric charge can be transferred from an ion in the electrolyte to a free electron in the metal. The forces which oppose the current flow are said to polarize the interface and the added voltage necessary to drive the current across this barrier is known as "over-voltage".

It takes a finite time to build up overvoltages and one finds that the impedances of these zones (Warburg Impedance) decreases with increasing frequency. In the frequency domain system that was employed the decrease in the Warburg Impedance was measured between current applied at 0.3 hertz (AC1) to current applied at 5.0 hertz (AC2).

b) Instrument & Procedure -

A multiple frequency McPhar Induced Polarization System, Model P660, was employed in measuring the polarization and resistivity parameters. The transmitter is a manually variable voltage source. The output current can be selected from both polarities and varies from direct current to automatically alternating output frequencies of 0.05, 0.1, 0.3, 1.25 and 5.0 hertz.

On this survey the low and high frequencies employed were 0.3 and 5.0 hertz. Power was obtained from a 2½ KW - 400 hertz motor generator. The maximum output current for the transmitting system is 5 amps while the maximum output voltage is 690 volts.

The receiver employed was the A.C. P660 model. This is a potentiometer type where the amplified and filtered signal is compared with a reference voltage. It is powered by six 8V alkaline transitor batteries and draws 7.5 ma. Total weight including carrying case and batteries is 5 pounds. An in line dipole-dipole array was employed in the survey. The dipole length was 200 feet and measurements were taken to 4 separation (N=1,2,3,4). Survey procedure required the preparation of a "set-up" station near the center of each line. The transmitter and its motor generator power supply remained stationary at the set-up position and wires in increasing 200 foot intervals were strung out in both directions. Care was taken to ensure that the wires were well separated to prevent inductive coupling effects. The ends of the wires were connected to buried aluminum foil electrodes. Because of considerable talus and lack of soil some difficulty was encountered in transmitting currents. This was partially overcome by blasting electrode positions with dynamite, watering the site with a brine and buring heavy aluminum foil. Radio contact between the receiver and transmitter operators coordinated power "on" and "off" periods.

PRESENTATION OF DATA -

The data is plotted in seven pseudosections, Figure 3(a) - (g) after page 14. The pseudosections are vertical profile plots displaying apparent resistivities in $\rho a/2\pi$ ohm-feet, calculated metal

factors and percent frequency effect values. Contoured plan maps of the second separation (N=2), apparent resistivity and percent frequency effect data have also been prepared in Figures 4 and 5 respectively. An interpretation of the data is presented in Figure 6.

RESULTS & INTERPRETATION -

The presence of a linear induced polarization anomaly was further defined and its continuity was confirmed. The anomaly trends north 80° west between lines 36 W and 6 W then bends near the small lake to north 80° east between lines 6E and 18E. The anomaly is characterized by P.F.E. values ranging between 7.5 and 15% and apparent resistivity values ranging between 400-750 ohm-feet. The width of the polarizable source causing the anomaly is interpreted to range between 500 to 200 feet as shown in Figure 6. The northern edge of the anomaly returns to background P.F.E. values quite abruptly while the southern edge of the anomaly dissipates more slowly. A possible interpretation of this imbalance is that the source is dipping to the south.

The intensity of the percent frequency effect values would indicate that the source contains 3-5% polarizable material by volume. One detailed 50 foot dipole-dipole array (n=1,2,3,4) was carried out over the anomaly on line 18 W (Figure 3 (e)). This data would indicate that the intrinsic polarizability of the source is closer to 15-18% P.F.E. and that the source is 5% by volume of the mass. Depth to the source on line 18W is less than 50 feet.

A possibb fault has been located on Figure 6 on the basis of the drainage and its coincidence with a airphoto linear.

CONCLUSIONS -

The induced polarization anomaly is not characterized by an apparent resistivity low. Resistivity values are usually higher than 500 ohm-feet and sometimes are over 1000 ohm-feet in the anomaly. This would indicate that the host rock containing polarizable mineralization is quite hard and possibly silicified.

Some discouragement is noted in the observations that most of the mineralization seen in the immediate talus appears to be fresh pyrite and that no coincident copper geochemical soil sample results were obtained near the induced polarization anomaly.

However, the interesting float contains impressive copper and gold values and is associated with quartz veins. Possibly this fact alone warrants drill testing of the anomaly.

RECOMMENDATIONS -

Should drill testing of the anomaly occur, a site at 18W, 24N is recommended. This position has been well defined by the detailed 50 foot dipole-dipole array and it is in the middle of the widest portion of the anomaly. A second possible site might be considered between lines 6W and 6E within the "hinge" of the anomaly. Attention in this area is focused on the possible intersection of a portion of the north 70^{o} east shear zone with the anomaly.

Respectfully submitted,

G. M. DE PAOLI
Geophysicist, B.Sc.

Tatla Lake
August 19, 1974

C E R T I F C A T I O N

I, DENNIS F. MORRISON, of the City of Gravenhurst, in the Province of Ontario, hereby certify as follows:

1. That I have First Year University credits at the University of Waterloo, Waterloo Ontario.
2. That I was employed as an electronic technician during 1962-1966 for the Bell Telephone Company of Canada in Toronto.
3. That I was employed by McPhar Geophysics as an Induced Polarization Operator and Crew Chief during the period 1967-1971.
4. That I have been self-employed as an independent Induced Polarization Contractor from 1971-1974.
5. That I have comprehensive induced polarization operating experience in Newfoundland, Nova Scotia, Quebec, Ontario, Manitoba, B.C., Yukon Territories and Northwest Territories and Panama.
6. That I have no interest directly or indirectly in the Pin Claim Group nor do I expect to receive any.

D. F. MORRISON

Tatla Lake, B.C.
August 18, 1974

C E R T I F I C A T I O N

I, GARRY M. DEPAOLI, of the City of Burnaby, in the Province of British Columbia, hereby certify as follows:

1. That I am a graduate of the University of British Columbia, Vancouver, British Columbia with a Bachelor of Science Degree in combined honours, Geophysics and Geology (1969).

2. That I have practiced my profession as a Geophysicist continuously for the past 5 years in Northern Ontario, Quebec, Manitoba, Western U.S.A., Yukon Territories and British Columbia.

3. That I am a member in good standing of the Society of Exploration Geophysicists, the Geological Association of Canada, The Canadian Institute of Mining and Metallurgy, and the B.C. Society of Exploration Geophysicists.

4. That I have no interest directly or indirectly in the Pin Claim Group nor do I expect to receive any.

5. That the information contained herein was compiled as a result of an Induced Polarization Survey conducted during the period August 12 to 17, 1974.

G. M. DePaoli
Geophysicist, B.Sc.

Tatla Lake, B.C.
August 18, 1974

PIN CLAIMS

PIN GROUP # 1

Claim #	Record #	Assessment Due Dates	No. of Years Work Filed
Pin 1	69423	July 27, 1975	
2	4	" "	
3*	5	" 1978	2
4*	6	" 1976	
5*	7	" 1978	2
6*	8	" 1976	
7*	9	" "	
8*	30	" 1976	
9	31	" 1975	
10	2	" "	
11	3	" "	
12	4	" "	
13	5	" "	
14	6	" "	
15	7	" "	
16	8	" "	
17	9	" "	
18	40	" "	
19	1	" "	
20	2	" 1975	
21*	69443	" 1976	
22*	44	" "	
34	56	" 1975	
36	58	" "	
38	60	" "	
40	69462	" "	
75	67497	" 1976	
76	69498	" "	
77	99	" "	
78	500	" 1975	
79	01	" "	
80	02	" "	
81	03	" "	
82	04	" "	
83	05	" "	
84	06	" "	
85	07	" "	
86	08	" "	
87	09	" "	
88	10	" "	

PIN CLAIMS

PIN GROUP # 2

Claim #	Record #	Assessment Due Date	No. of Years Work Filed
Pin 23*	69445	July 27, 1976	
24*	6	" 1978	2
25*	7	" "	2
26*	8	" "	2
27*	9	" "	2
28*	50	" "	2
29	1	" 1975	2
30	2	" "	
31	3	" "	
32	4	" "	
33	5	" "	
35	7	" "	
37	9	" "	
39	61	" "	
44*	66	" 1978	
46*	68	" 1978	2
48*	70	" "	2
50	72	" 1976	2
52	4	" "	
54	6	" 1975	
55	77	" "	
56	78	" "	
57	79	" "	
58	80	" "	
59	81	" "	
60	82	" "	
69	91	" "	
70	92	" "	
71	93	" "	
72	94	" "	
73	95	" "	
74	96	" "	
95	69280	Aug. 8, 1975	
96	81	" "	
97	82	" "	
98	83	" "	
103	88	" "	
104	89	" "	
105	90	" "	
106	91	" "	

PIN CLAIMS

PIN GROUP # 3

Claim #	Record #	Assessment Due Date	No. of Years Work Filed
Pin 41	69463	July 27, 1975	
42	64	" "	
43*	65	" 1978	2
45*	67	" "	2
47	69	" 1975	
49*	71	" "	
51*	73	" 1976	
53*	75	" "	
61	69483	" 1975	
62	4	" "	
63	5	" "	
64	6	" "	
65	7	" 1976	
66	8	" "	
67	9	" "	
68	69490	" "	
89	74	Aug. 8, 1975	
90	5	" "	
91	6	" "	
92	7	" "	
93	8	" "	
94	9	" "	
99	84	" "	
100	85	" "	
101	86	" "	
102	87	" "	

* Grouped as Pin Group No. 4 in April, 1975.

Note: Assessment Due Dates" and "number of years work filed" are those in effect after filing and acceptance of this report in full.

WORK SUMMARY

4.4 Line miles of induced polarization surveying (August 12-17, 1974).

5.8 Line miles of line cutting and flagging (August 10-14, 1974).

PERSONNEL

		Time (Days)
1)	D. F. Morrison - I.P. Operator Morrison & DePaoli I.P. Surveys Box 418, Gravenhurst, Ontario	7
2)	G. M. DePaoli - Geophysicist Morrison & DePaoli I.P. Surveys 5305 E.Georgia, Burnaby, B.C.	7
3)	R. York - Geophysical Assistant 37C Miller Road Truro, Nova Scotia	7
4)	I. Cameron - Geophysical Assistant 3475 N. 20th Avenue Vancouver, B.C.	4
5)	J. Hasenohrl - Geophysical Assistant Tatlayoka, B.C.	7
6)	N. Jorgensen - Geologist	5
7)	T. Osterstock - Geological Assistant	6
8)	G. Salazar - Geologist (Office & Supervision) 1866 W. 36th Avenue Vancouver, B.C.	3
9)	J. W. Murton, P. Eng. (Office & Supervision) 405-1200 West Pender St. Vancouver, B.C.	2

STATEMENT OF EXPENDITURES FOR I.P. SURVEY AT PIN CLAIMS

1) Linecutting & Chaining

N. Jorgensen - Geologist, 5 days @ $50/day	$250.00
T. Osterstock - Geological assistant, 5 days @ $31/day	155.00

2) I. P. Survey

Morrison & DePaoli I. P. Surveys	
6 Operating Days @ $250/day	1,500.00
2 Travel days @ $100/day	200.00
R. Yorke - Geophysical Assistant, 7 days @ $28.40/day	198.80
I. Cameron - Geophysical Assistant, 4 days @ $28.40/day	113.60
J Hasenohrl - Geophysical Assistant, 7 days @ $28.40/day	198.80
G. Salazar, Geologist, Supervision, 3 days @$80/day	240.00

3) Camp Costs

46 Man days @ $15/man day	690.00

4) Transportation

Truck Rental: 2 Trucks @ $500/month (1000 x 7/30)	233.00
Gas & Oil:	28.00
Helicopter to property & return, 7.3 hours @ $130/hr.	949.00

5) Report writing & Draughting - J.W. Murton, P.Eng. 200.00

Total $4,956.20

VVVVVVVV

G. M. DePaoli

Declared Before me in
the City of Vancouver
this ____ day of _____, 1975.

G. Salazar S. M.A.

J. W. Murton, P. Eng.

PROVINCE OF BRITISH COLUMBIA
J.W. MURTON

CERTIFICATION

I, J. W. Murton, of North Vancouver, British Columbia, do hereby certify that:

I am a member of the Association of Professional Engineers of the Province of British Columbia, registered in 1972, No. 8324.

I am a graduate of the University of Manitoba with a B.Sc. in Geology.

I have been a practising Engineer and Geologist since 1960 in Manitoba, Saskatchewan, British Columbia, South Western U.S.A. and Alaska.

Vancouver, B. C.
April 22, 1975

J. W. Murton, P. Eng.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. W. MURTON

MORRISON & DEPAOLI I.P. SURVEYS
GEOPHYSICAL CONTRACTORS & CONSULTANTS

VANCOUVER (604) 299-4[illegible]
TORONTO (705) [illegible]
AUGUST 20, 1974.

CITIES SERVICE MINERALS CORP.,
#405 - 1200 WEST PENDER STREET,
VANCOUVER, B.C.

RE: Induced Polarization Survey over the PIN CLAIM GROUP near Tatla Lake, B.C.

6 Operating Days at $250.00 per day	$1,500.00
2 Travel Days at $100.00 per day	$200.00
Total Amount now due and payable	$1,700.00

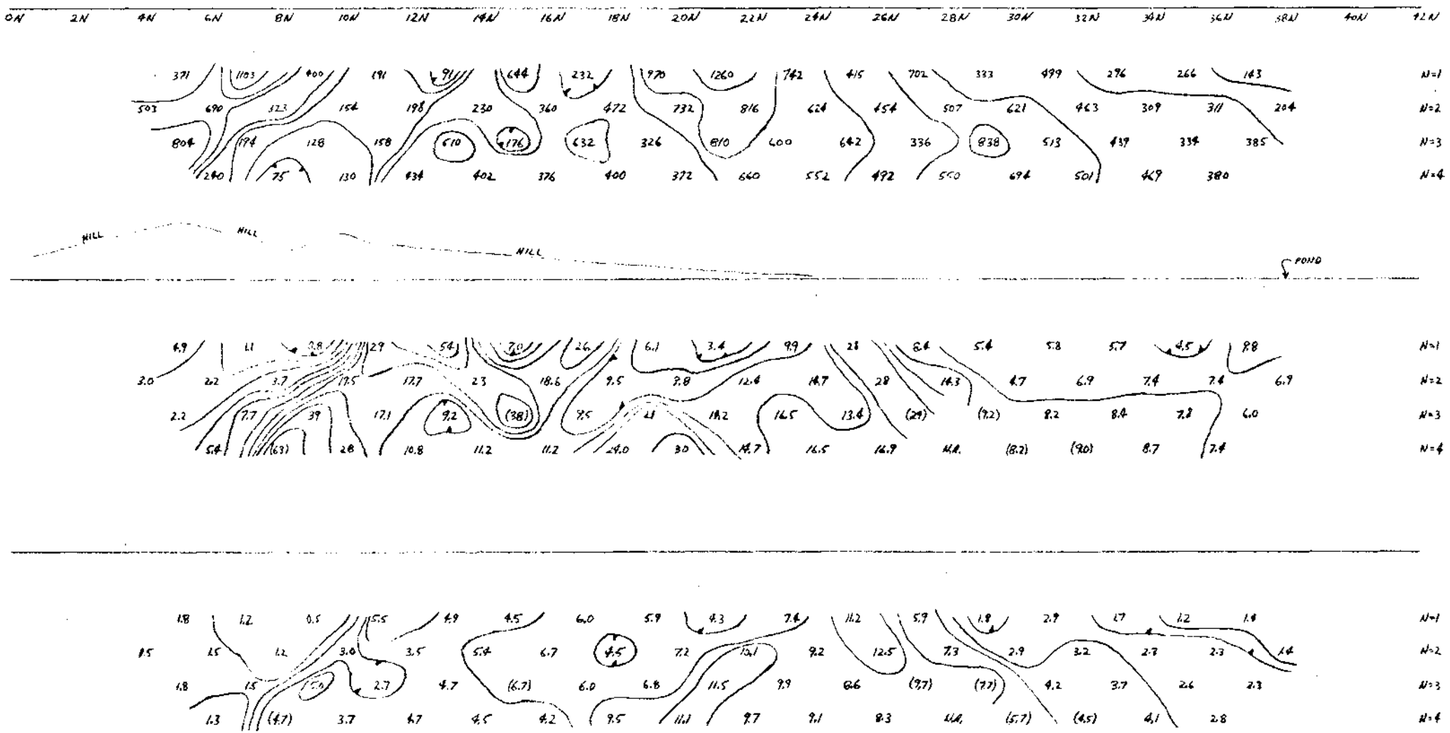
581 H-1 Certified

Yours very truly,

D.F. MORRISON

DFM/gmd

LINE 18E



$\rho_{(a)}/2\pi$ OHM FEET

CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
PIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 & 5.0 HZ
OPERATORS: MORRISON & DEPAOLI

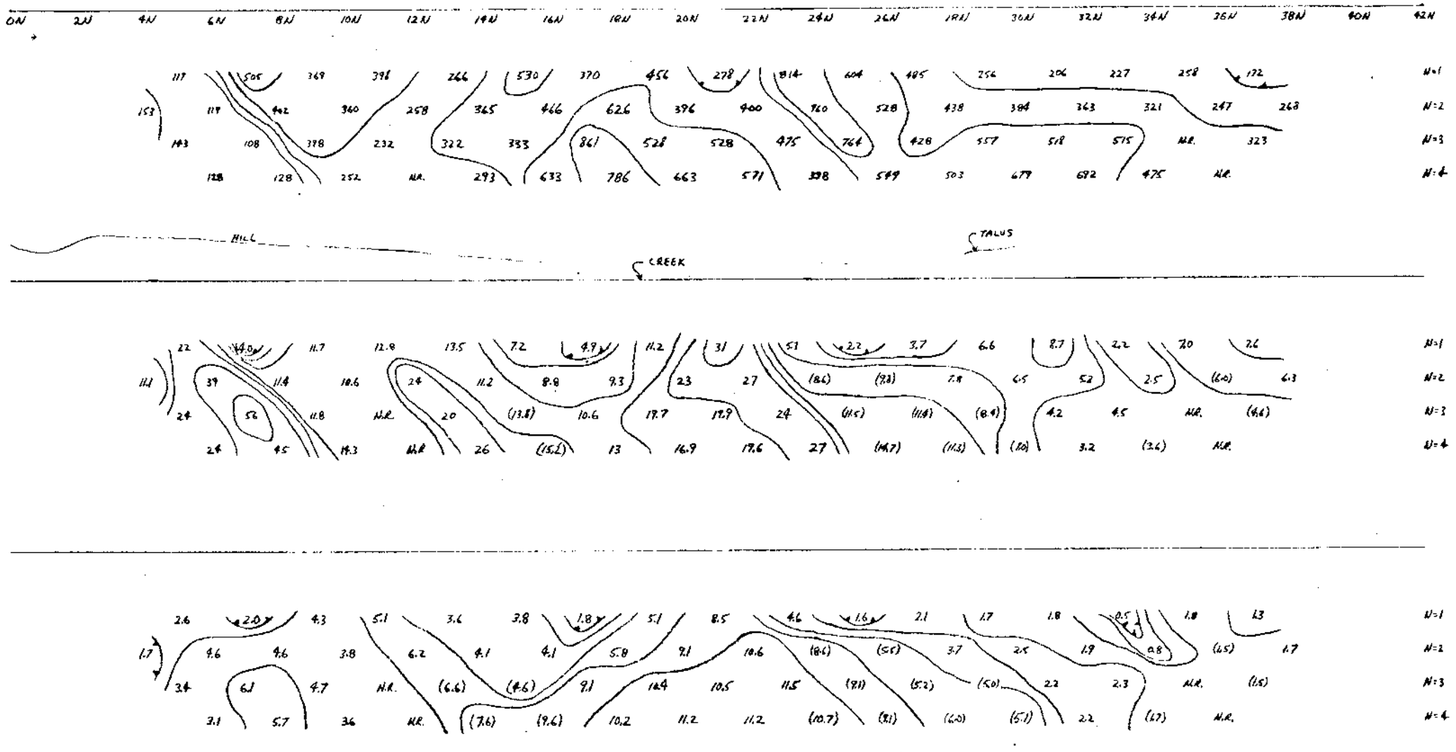
SCALE: 1"=400'
DATE: AUG. 12, 17 1974

LINE 18E.

FIGURE 3(a)

FIG: 3(a)

LINE 6E



$\rho_{(a)}/2\pi$ OHM-FEET

M.F

F.E.

CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
PIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 & 5.0 HZ.
OPERATORS: MORRISON & DEPAOLI

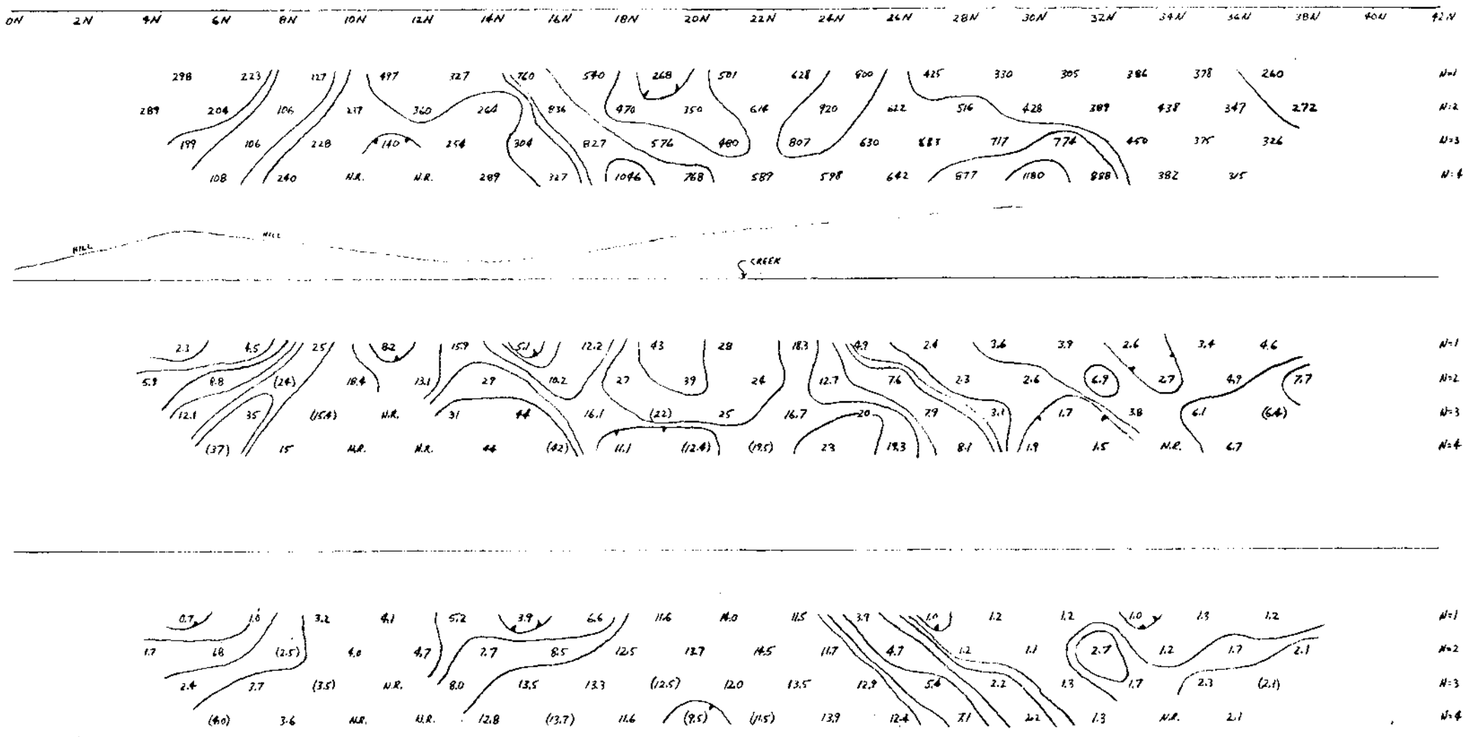
SCALE: 1"=400'
DATE: AUG. 13, 17 1974

LINE 6E

FIGURE 3(b)

FIG: 3(b)

LINE 6W



$\rho_a/2\pi$ OHM FEET

CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
PIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 + 5.0 HZ
OPERATORS: MORRISON + DEPAOLI

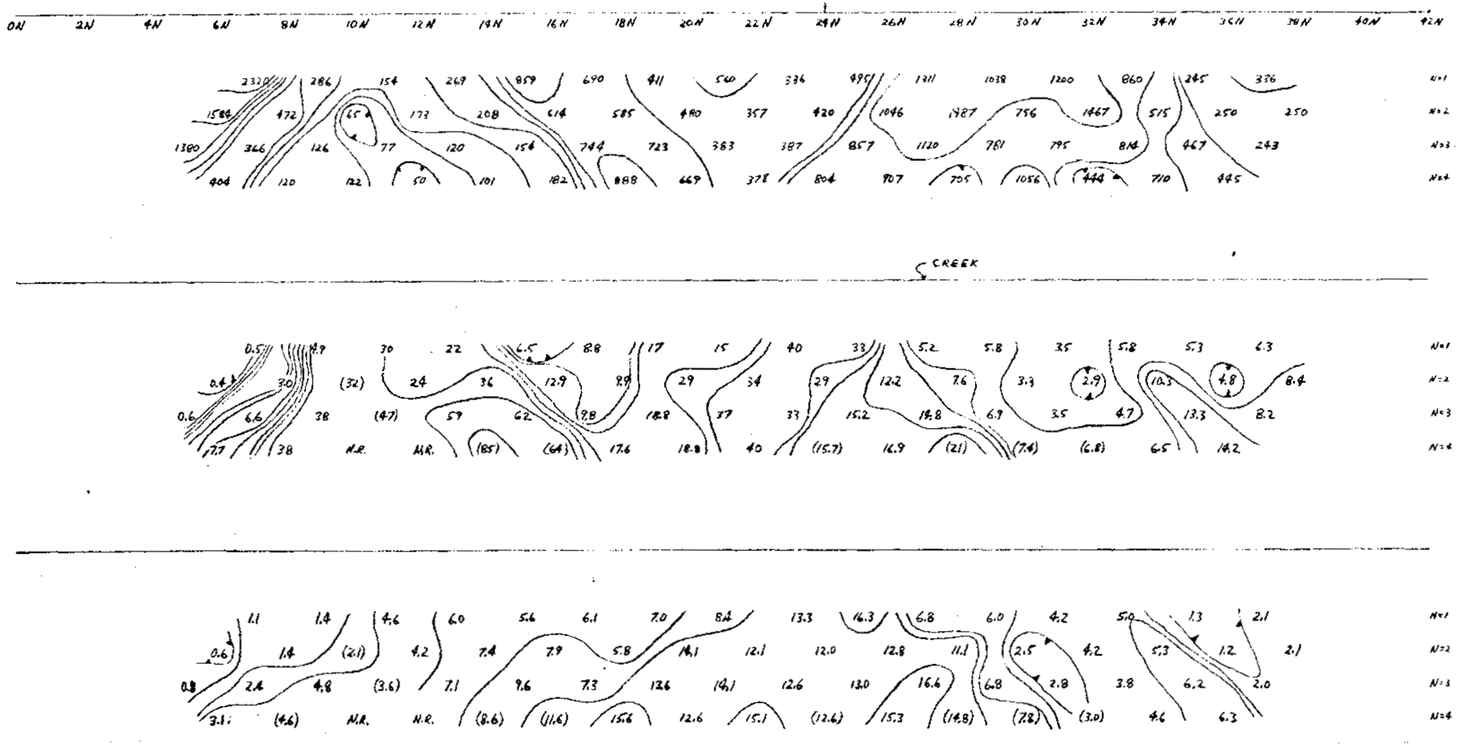
SCALE 1" = 400'
DATE: AUG. 13, 16 1974

LINE 6W

FIGURE 3(c)

FIG : 3(C)

LINE 18 W



CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
HIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 + 5.0 H.E.
OPERATORS: MORRISON + DEPAOLI

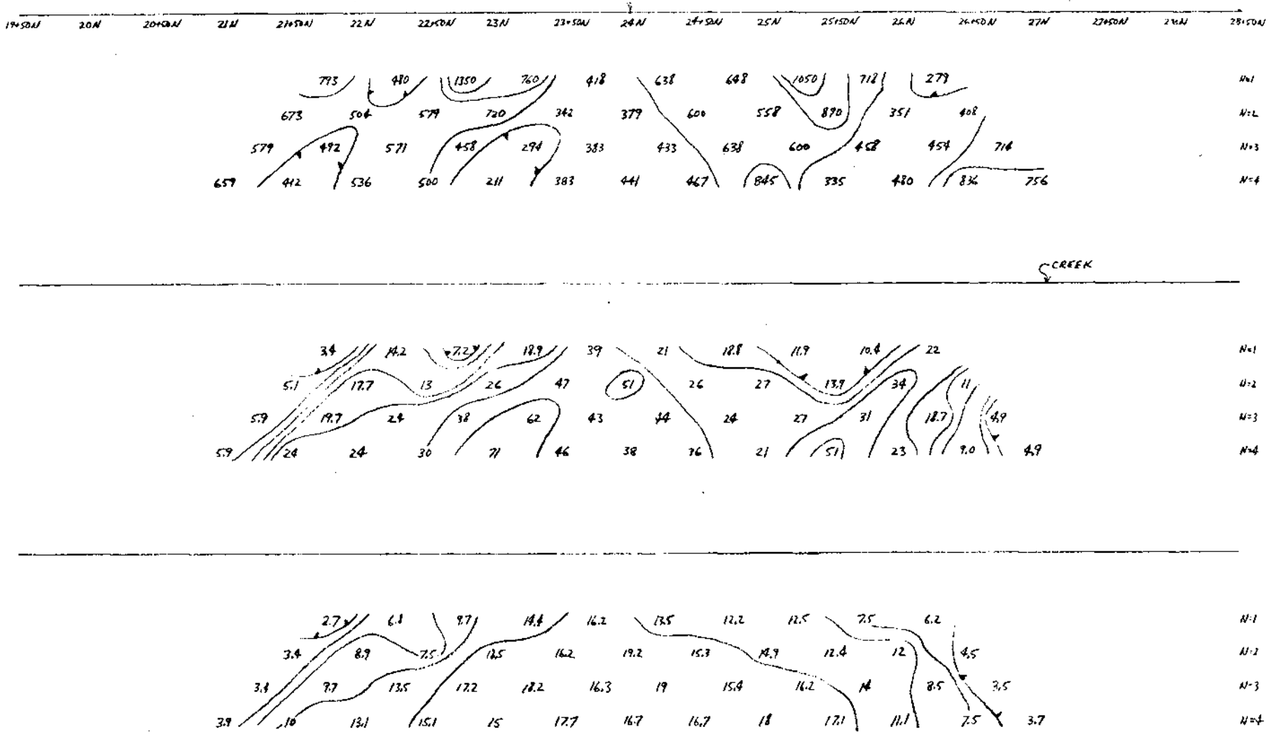
SCALE: 1"=400'
DATE: AUG. 14, 1974

LINE: 18 W

FIGURE 3(d)

FIG: 3(d)

LINE 18W DETAIL



CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
PIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 & 5.0 HZ.
OPERATORS: MORRISON & DEPAOLI

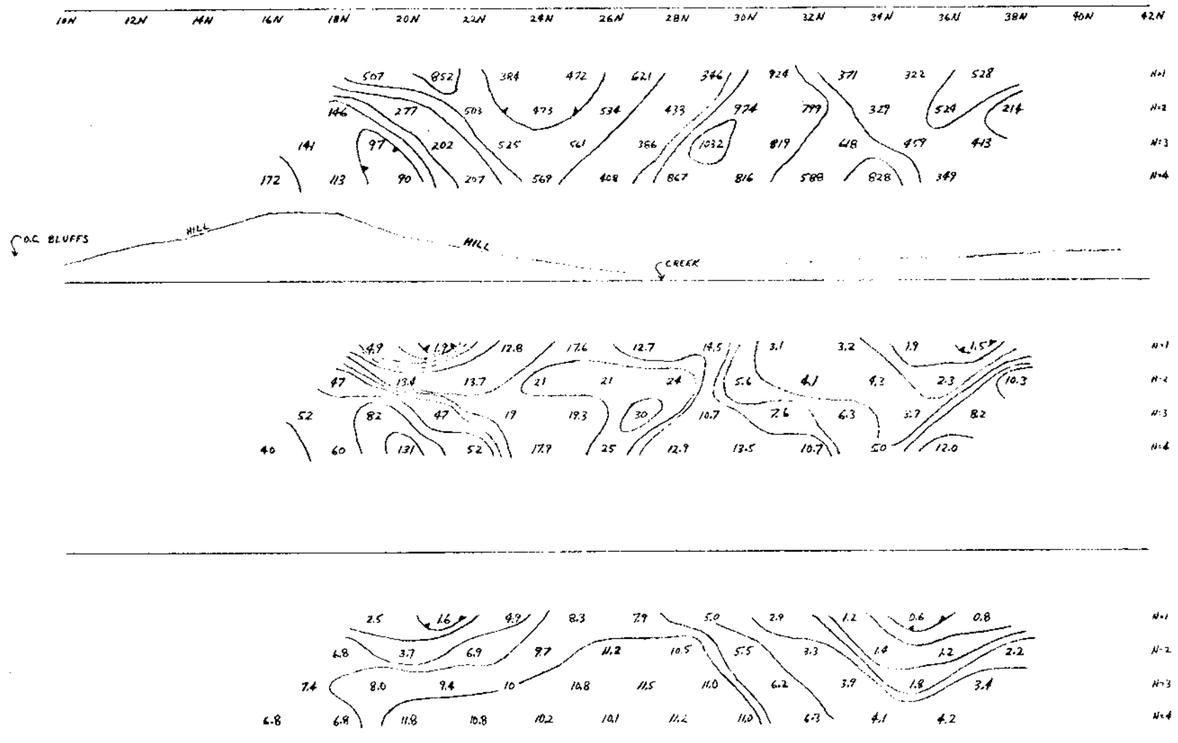
SCALE : 1" = 100'
DATE : AUG. 16, 1974

LINE 18W DETAIL

FIGURE 3(e)

FIG : 3e)

LINE 30W



$\rho_{(a)}/2\pi$ OHM FEET

M.F.

F.E.

CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
PIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 + 5.0 HZ
OPERATORS: MORRISON + DEPAOLI

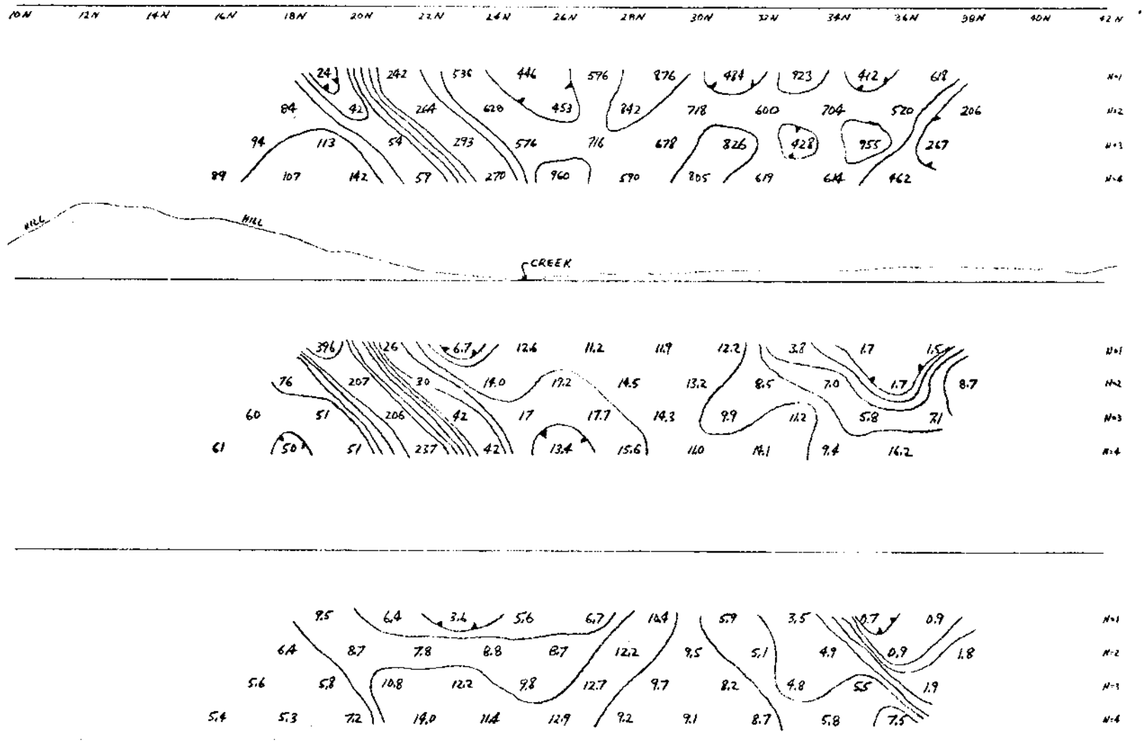
SCALE: 1" = 400'
DATE: AUG. 15, 1974

LINE 30 W

FIGURE 3 (f)

FIG: 3(f)

LINE 36W



CITIES SERVICE MINERALS CORP.
TATLA LAKE AREA
PIN CLAIMS

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 * 5.0 HZ
OPERATORS: MORRISON * DEPAOLI

SCALE: 1" = 400'
DATE: AUG. 15, 1974

LINE 36W

FIGURE 3(g)

FIG: 3(g)

LINE 36 W

LINE 30 W

LINE 18 W

LINE 6 W

LINE 6 E

LINE 18 E

BASELINE

BASELINE

LINE 36 W

LINE 30 W

LINE 18 W

LINE 6 W

LINE 6 E

LINE 18 E

N

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5522 MAP 5

LEGEND

CUT AND FLAGGED LINE

CENTERAL OUTLINE OF P.F.E. ANOMALY INTERPRETED TO REFLECT 3.0 - 5.0 % TOTAL SULPHIDES BY VOLUME

POSSIBLE FAULT

CREEK

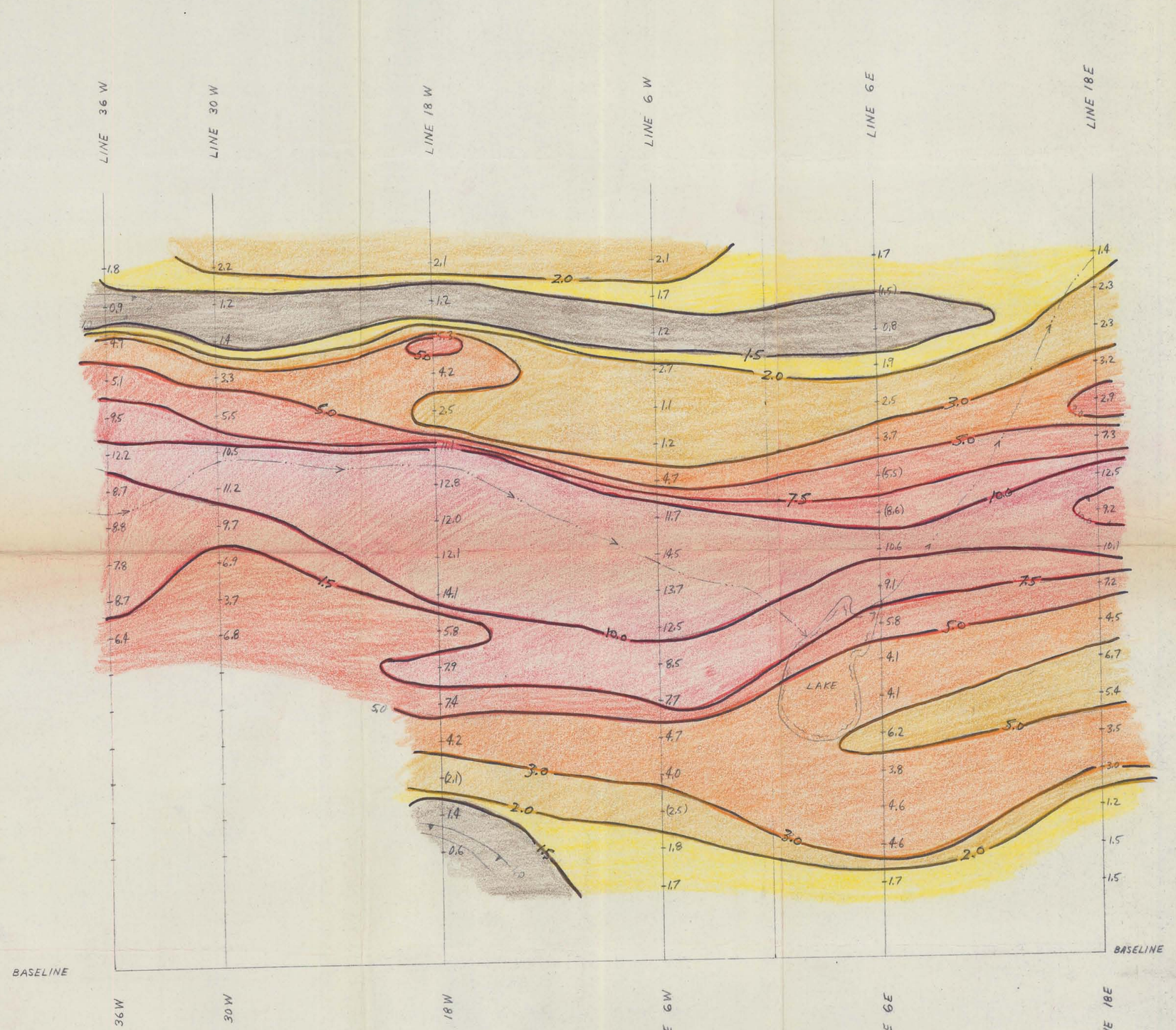
P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 + 5.0 HZ
OPERATORS: MORRISON + DEPAOLI

To accompany Geophysical Report on the PIN CLAIMS, Cariboo M.D.
By: J.W. Hurton P.Eng.
G. DePaoli B.Sc.
Dated: April 21/75

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J.W. MURTON

CITIES SERVICE MINERALS CORP. VANCOUVER B.C. CANADA	
PIN CLAIMS - TATLA LAKE AREA I.P. INTERPRETATION MAP N = 2	
SCALE IN FEET 0 200 400 800	
DATE: AUGUST, 1974	N.T.S. No.: 92 N 14E
DRAWN BY: G.M.D.	DRAWING No.: FIGURE 6
REVISON:	TO ACCOMPANY 1974 GEOPHYSICAL REPORT BY: G. DEPAOLI + J.W. MURTON

5522
MAP 5



N

LEGEND

- CUT AND FLAGGED LINE
- PERCENT FREQUENCY EFFECT
- 5.0 PERCENT FREQUENCY EFFECT CONTOURS C.I. – 1, 1.5, 2, 3, 5, 7.5, 10
- CREEK

P-660 FREQUENCY DOMAIN I.P.
DIPOLE – DIPOLE ARRAY
0.3 & 5.0 HZ.
OPERATORS: MORRISON & DEPAOLI

To accompany Geophysical report on the PIN CLAIMS, CARIBOO M.D.

By: J.W. Murton P.Eng.
G. De Paoli B.Sc.

Dated: April 21/75

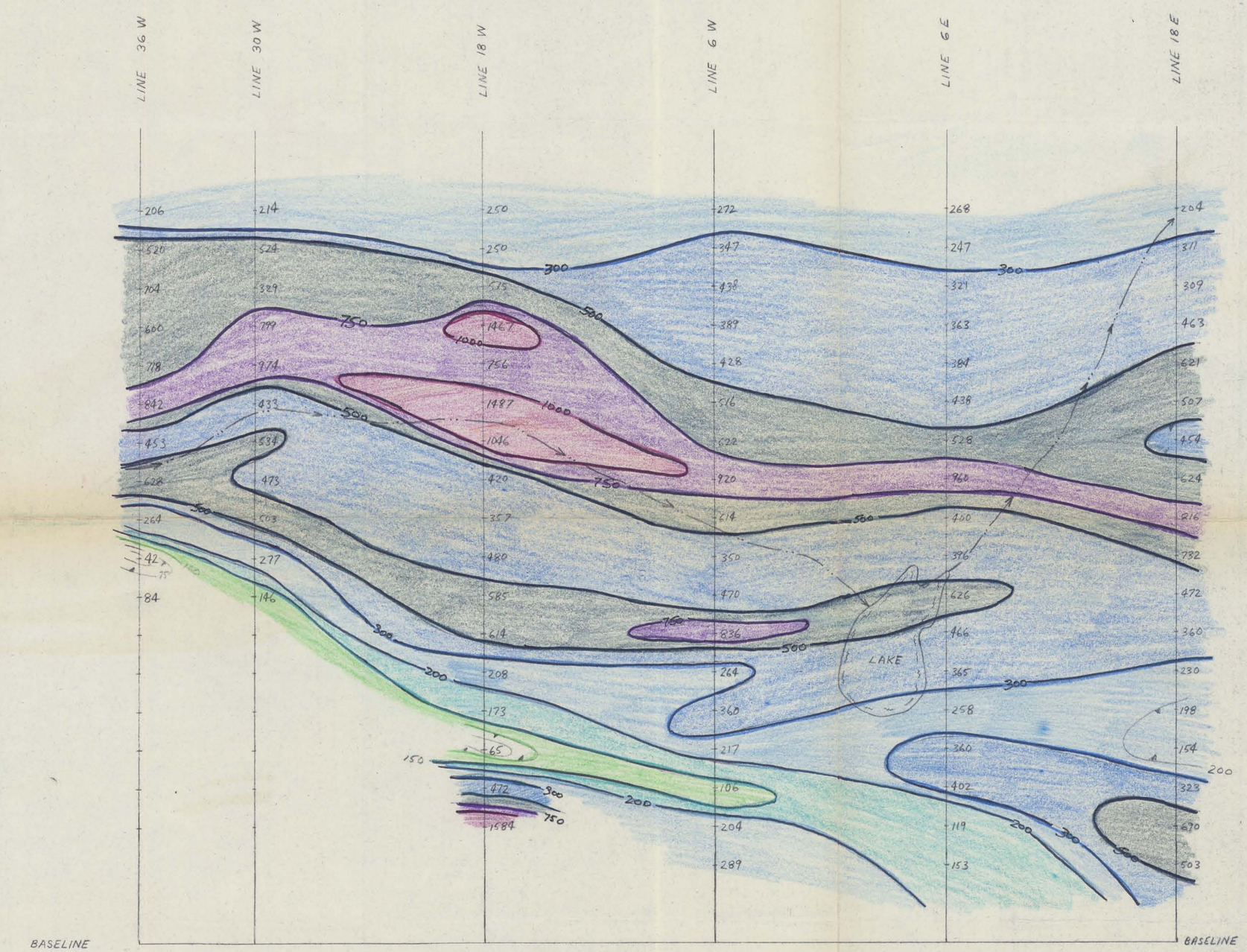
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J.W. MURTON

CITIES SERVICE MINERALS CORP.
VANCOUVER B.C. CANADA

PIN. CLAIMS - TATLA LAKE AREA
CONTOURED PLAN P.F.E. N=2

SCALE IN FEET 0 200 400 800	
DATE: AUGUST, 1974	N.T.S. No.: 92 N 14E
DRAWN BY: G.M.D.	DRAWING No.: FIGURE 5
REVISON:	TO ACCOMPANY 1974 GEOPHYSICAL REPORT BY: G. DEPAOLI & J.W. MURTON

5522
MAP 4



N

LEGEND

- CUT AND FLAGGED LINE
- APPARENT RESISTIVITY IN $\rho_a/2\pi$ OHM FEET
- —500— APPARENT RESISTIVITY CONTOURS
  C.I. — 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30, 50, 75, 100
- CREEK

P-660 FREQUENCY DOMAIN I.P.
DIPOLE - DIPOLE ARRAY
0.3 + 5.0 HZ.
OPERATORS: MORRISON + DEPAOLI

To accompany Geophysical Report on the
PIN CLAIMS, Cariboo, M.D

By: J. W. Morton P.Eng.
G. Depaoli B.Sc.

Dated: April 21/75

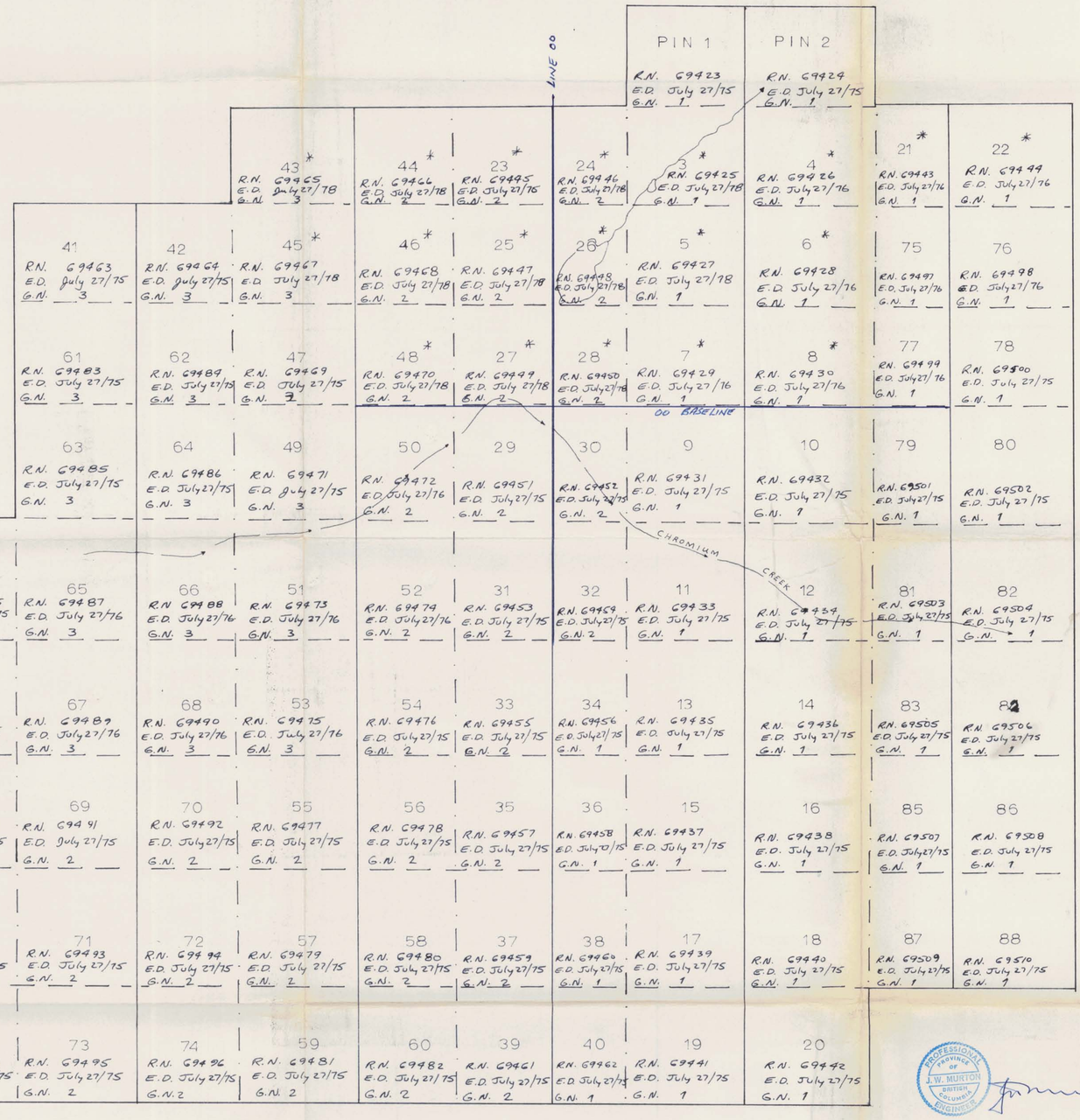
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. W. MURTON

CITIES SERVICE MINERALS CORP.
VANCOUVER B.C. CANADA

PIN CLAIMS - TATLA LAKE AREA
CONTOURED PLAN RESISTIVITY N=2

SCALE IN FEET 0 200 400 800	
DATE: AUGUST, 1974	N.T.S. No.: 92 N 14E
DRAWN BY: G.M.D.	DRAWING No.: FIGURE 4
REVISON:	TO ACCOMPANY 1974 GEOPHYSICAL REPORT BY: G. DEPAOLI + J.W. MURTON

5522
MAP 3



Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5522 MAP 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J.W. MURTON

5522
MAP 2

Updated to include assessment work filed with this report.

* Grouped as PIN GROUP #4 in April, 1975.

To accompany Geophysical report on the PIN CLAIMS, CARIBOO M.D.

BY: J.W. Murton P.Eng.
G. DePaoli B.Sc.

Dated: April 21/75

CITIES SERVICE MINERALS CORP.
VANCOUVER B.C. CANADA

PIN CLAIM GROUP
TATLA LAKE AREA

SCALE IN 1"= 800'	800 400 0 800 1600
DATE: NOVEMBER 1973	N.T.S. No.: 92N - 14E
DRAWN BY: W.B.L.	DRAWING No.: 2
REVISON:	