

ASSESSMENT REPORT '80-644-8265  
ON  
GEOCHEMICAL & GEOPHYSICAL SURVEYS  
PERFORMED BY  
SHELL CANADA RESOURCES LIMITED  
ON THE  
BALSAM 1 & 2 AND WINDY 2, 3 & 4 CLAIMS  
LIARD MINING DIVISION  
NTS 104P/5W

Latitude  $59^{\circ} 18' N$   
Longitude  $129^{\circ} 53' W$

CLAIMS OWNED BY: Bill Kuhn  
UNDER OPTION TO: Shell Canada Resources Limited

Gordon W. Moffat

November 1980

8265

## INTRODUCTION

During the period June 20 - August 12, 1980, field surveys including grid establishment, soil geochemistry and total field magnetics were carried out on the Balsam 1 & 2 and Windy 2, 3, & 4 claims of the McDame Tungsten Property.

The surveys represent part of Shell Canada's second field season on the property since optioning it from Bill Kuhn on September 17, 1979.

Presented in this report are the results of the field surveys specified above, which are to be applied as work credits to the Balsam 1 & 2 claims.

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## PROPERTY

The McDame Property is composed of 10 continuous claim groups totalling 109 units centered approximately 7 km north of the Town of Cassiar, B.C. in the Liard Mining Division, NTS 104P/5W.

The Balsam 1 & 2 and Windy 2, 3, & 4 claims form the southern portion of the property upon which most of the detailed field work of the 1980 season was concentrated.

Claim numbers, recording and expiry dates are tabulated below:

<u>Record Number</u>	<u>Claim Name</u>	<u>Recording Date</u>	<u>Assessment Due Date</u>	<u>Units</u>	<u>Hectares</u>
693	Balsam 1	Oct. 20/78	Oct. 20/80	12	300
694	Balsam 2	Oct. 20/78	Oct. 20/80	6	150
597	Windy 2	Aug. 1/78	Aug. 1/81	12	300
598	Windy 3	Aug. 1/78	Aug. 1/81	9	225
599	Windy 4	Aug. 1/78	Aug. 1/81	12	300

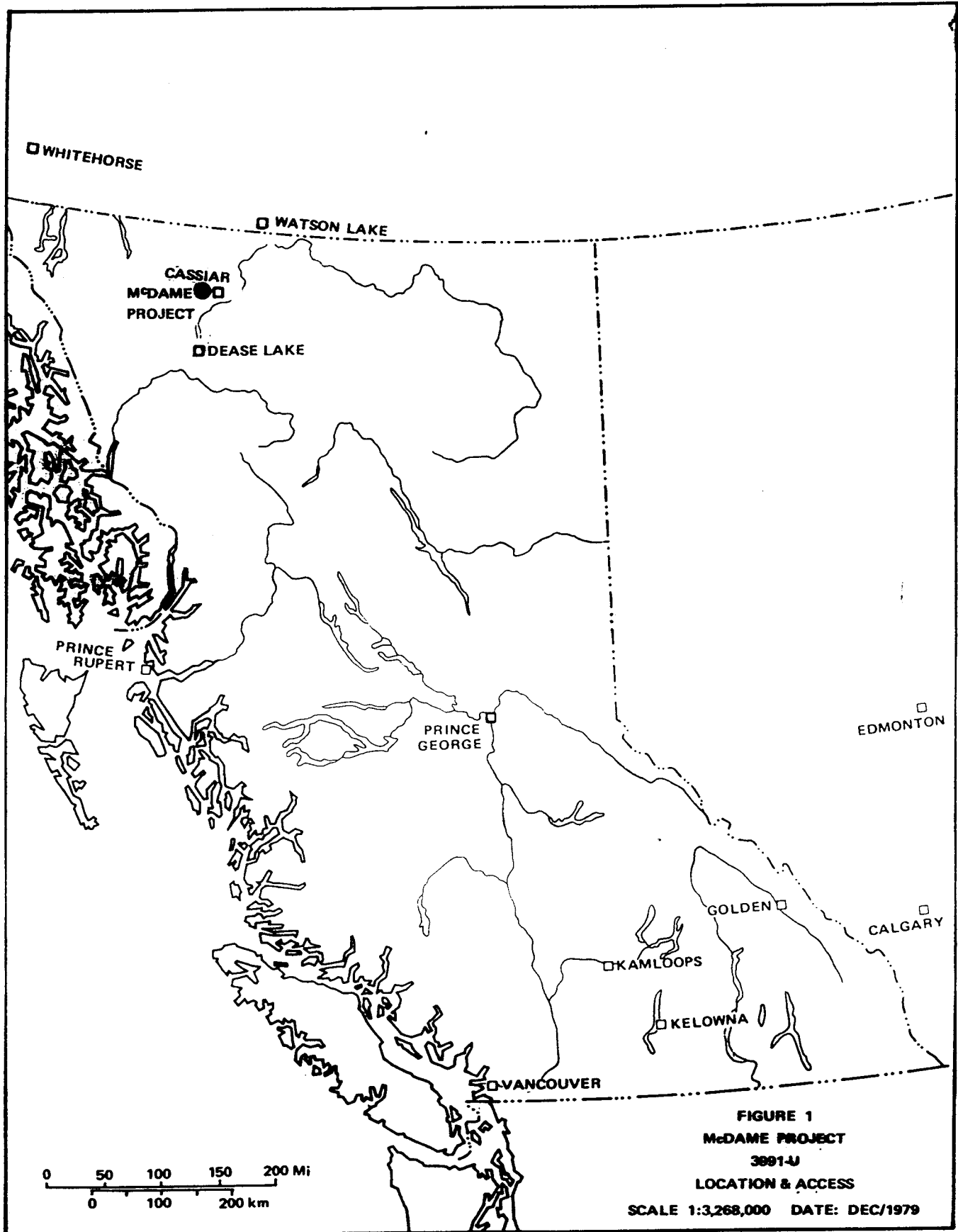


Figure 1

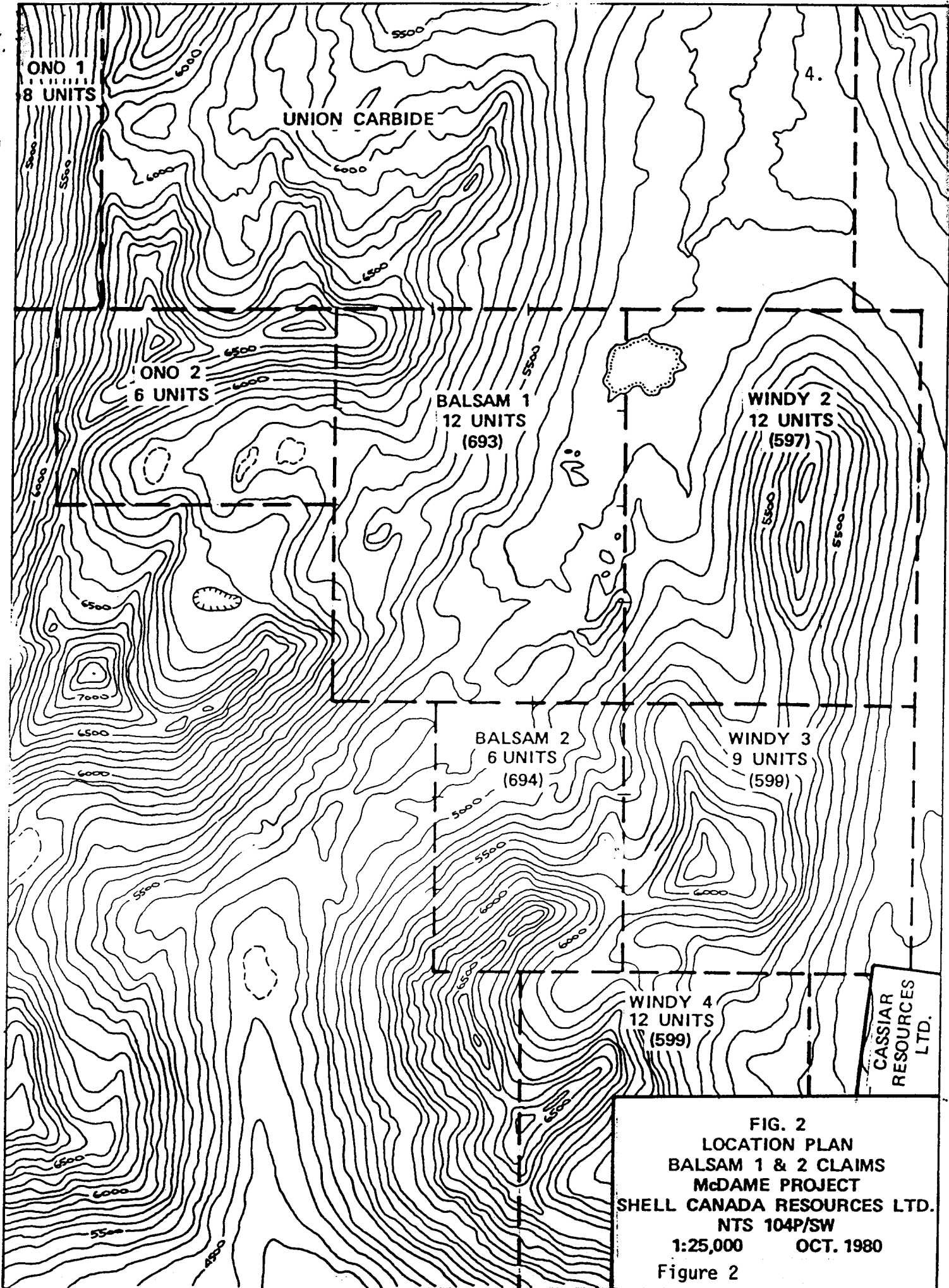
## ACCESS AND TOPOGRAPHY

The McDame Property is readily accessible by 4-wheel drive vehicle from the Town of Cassiar via the Cassiar Mine Valley Road which extends northward along the east side of the project area.

Approximately 10 km north of town, a rough tractor road branches southwest off the Mine Valley Road into the interior of the Windy 2 claims and within hiking distance of Windy 3, 4 and Balsam 1 & 2.

The claims lie within an area of rugged alpine relief with peaks reaching elevations of 1,950 m, a vertical rise of 600 m above the intervening valley floors. (Figure 2)

A northeast trending valley diagonally crosses the Balsam 1 claims.



4.

ONO 1  
8 UNITS

UNION CARBIDE

ONO 2  
6 UNITS

BALSAM 1  
12 UNITS  
(693)

WINDY 2  
12 UNITS  
(597)

BALSAM 2  
6 UNITS  
(694)

WINDY 3  
9 UNITS  
(599)

WINDY 4  
12 UNITS  
(599)

CASSIAR  
RESOURCES  
LTD.

FIG. 2  
LOCATION PLAN  
BALSAM 1 & 2 CLAIMS  
McDAME PROJECT  
SHELL CANADA RESOURCES LTD.  
NTS 104P/SW  
1:25,000 OCT. 1980  
Figure 2

## HISTORY OF PAST EXPLORATION

In 1961, Reliance Minerals carried out surface trenching and bulk sampling on the Contact Pb, Zn, showing along the western edge of the contact quartz monzonite stock underlying the Windy 4 claims.

H. Gabrielse mapped the stratigraphy and intrusives east of the Cassiar Batholith during 1950 - 54, recorded in GSC Memoir 319 (1963).

A. Panteleyev has more recently completed a study of the geology and mineralization associated with the Cassiar Stock. This is recorded in the Report of Activities for 1978.

There are no previous documented reports of Tungsten Exploration in the Upper Atan and Goodhope Limestone-Dolomitic Formations which underlie the Balsam 1 & 2 and Windy 2 & 3 claims.



## GENERAL PROPERTY GEOLOGY

The Balsam 1 & 2 claims straddle the eastern contact of the Cassiar Batholith, a Lower Cretaceous homogeneous to porphyritic Biotite Quartz Monzonite complex which forms the core of the Omineca Crystalline Belt in northern British Columbia.

The Batholith has intruded a north-northwest trending, easterly dipping sequence of Proterozoic to Middle Ordovician Carbonate and Pelitic sediments.

Proterozoic to Lower Cambrian Goodhope Group limestones and contact diopside-garnet skarns and hornfels forms the dominant sedimentary unit underlying the central and eastern parts of the Balsam 1 and Balsam 2 claims.

Lower Cambrian quartzites, siltstones and biotite hornfels of the Upper Atan Formation overlies the Goodhope Group to the east on the Windy 2 & 3 claims.

The Windy and Contact stocks, two late phase differentiates of the Cassiar Batholith have intruded the sediments within 3 km of the eastern contact and diopside-garnet-(sulphide) skarns containing erratic scheelite, chalcopyrite and sphalerite are developed within their thermal aureoles.

## GRID ESTABLISHMENT

A metric grid having a baseline Azimuth of  $335^{\circ}$  was established over portions of the Balsam 1 & 2, and Windy 2, 3, & 4 claims which are underlain by Upper Atan and Goodhope Carbonate units.

The grid covers the eastern 2/3 of the Balsam 1, northeastern 3/4 of Balsam 2, southwest 1/2 of Windy 2, southern 3/4 of Windy 3 and southern 1/3 of the Windy 4 claims.

For assessment purposes, the following subdivision can be made:

<u>Claim</u>	<u># Line Km (Including Baseline)</u>	<u>% of Total</u>
Balsam 1	22,125 km	28%
Balsam 2	9.325 km	12%
Windy 2	19.150 km	24%
Windy 3	17.235 km	22%
Windy 4	<u>11.705 km</u>	<u>14%</u>
Total	79.54 km	100%

Wooden laths 2" x  $\frac{1}{2}$ " x 3' in size were used for station pickets.

Winglines were spaced at 100 m intervals and line stations 25 m apart.

The grid was established between the dates June 20 - July 3, 1980 by Shell Canada personnel.

## SOIL GEOCHEMISTRY

### A. Sampling Technique

Detailed soil and talus fine geochemistry was completed over much of the alpine slope areas covered by the Balsam 1 & 2 and Windy 2, 3 & 4 claims.

Sampling was not done through the valley crosscutting the Balsam 1 claims because of excessive dilution of residual metal anomalies by transported glacial material.

Talus fines were collected from the steeper alpine slopes and "B" horizon soil from the topographically lower areas.

Three quarters of a Kraft sample bag of material was collected at 50 m station intervals along established grid lines.

The samples were dried in camp and shipped to Chemex Labs, 212 Brooksbank Avenue, North Vancouver, for processing and analysis for W, Mo, and Zn.

A total of 1,106 samples were analyzed.

### B. Analytical Technique

In the lab the samples were dried a second time at 60° C and sieved, the -80 mesh fraction retained for analysis and the oversized stored.

The following analytical methods were used for quantitative metal determinations.

<u>Metal</u>	<u>Extraction</u>	<u>Determination</u>	<u>Detection Limit</u>
Tungsten	Sinter	Colorimetry	2 ppm
Molybdenum	Perchloric-	Atomic Absorption	1 ppm
Zinc	Nitric Acid	Spectrometry	

### C. Geochemical Results

The W, Mo and Zn analytical results are presented on the Geochemical Plans Figures 3, 4, & 5 and the raw data filed in Appendix 1.

Background W, Zn and Mo concentrations were calculated as the arithmetic mean ( $\bar{x}$ ) of the sample population of each element.

Tungsten	30 ppm
Zinc	185 ppm
Molybdenum	5 ppm

Secondary dispersion patterns of both tungsten and zinc in soils are spatially associated with the Upper Atan and Goodhope Carbonate formations.

Tungsten anomalies of greater than 400 ppm over a background of 30 ppm were outlined at 6 separate locations.

An anomalous trend 2,100 m in length can be traced along the Upper Atan Carbonate formation and its northern extension from L2S to L19N.

There is a slight smearing of the anomaly west due to hydromorphic dispersion downslope.

Three anomalies were also delineated between L5S and L15S within Upper Atan Carbonates.

Two of the anomalies are circular in shape, occupying the contact aureoles of two small quartz feldspar porphyry plugs centered over L7S and L13+5S.

The Goodhope Limestone formation exposed on the Balsam 2 claims produced a 200 m 100 - 400 ppm W anomaly directly overlying the Dead Goat Showing.

The origin of a second 225 - 400 ppm anomaly at the west end of L5S has not been investigated.

Zinc in soils produced a strong +400 ppm dispersion pattern over the south extension of the Upper Atan Carbonates between L6S and U5S.

There does not appear to be the same spatial affinity for the quartz-feldspar porphyry plugs as was shown by tungsten in soils.

Two anomalies further north coincide with the Western Contact of the Upper Atan limestone. The southern one situated between L1N - L2S directly overlies the Kuhn Showing.

Several zinc anomalies also appear to originate further upslope from within the Kechika calcareous and argillaceous siltstones.

An 800 m zinc anomaly was outlined over the Dead Goad Zone within Goodhope limestones. The highest sample values coincide with the two garnet-diopside-sulphide skarns developed along the east and west contacts.

Molybdenum was found in anomalous concentrations in several isolated areas, the most extensive associated with the eastern Upper Atan Carbonate contact between L4N and L5N.

Brecciated quartzitic siltstone talus rubble containing disseminated molybdenite was found by prospecting in this area.

There were no significant molybdenum anomalies detected around the quartz-feldspar porphyry plugs as one might have expected for late phase differentiates of this type.

Two 225 ppm anomalies are associated with the periphery of the Contact Stock exposed at the west ends of L3S and L10S.

## GEOPHYSICS - TOTAL FIELD MAGNETICS

A magnetometer survey was completed over the entire grid area covering the Balsam 1 & 2 and Windy 2 & 3 claims.

Only that portion of the survey covering the Balsam claims is being submitted at this time.

Readings were taken at 12.5 m station intervals along grid lines using a GM-122 Magnetometer. A total of 2,550 readings were recorded over the Balsam ground.

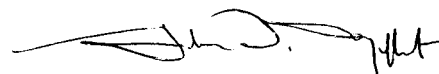
Diurnal magnetic drift was continuously monitored using a Barringer MR-10 Base Station Recorder and corrections made to the field data at the end of each day.

For data enhancement a constant factor of 50,000 gammas was subtracted from each total field reading and the resultant number multiplied by a factor of 10. The data was then computer contoured at 100 gamma intervals.

The data covering the Balsam 1 & 2 claims has been redrafted into the Total Field Magnetics Plan (Figure 6).

A subtle magnetic trend is developed over the Goodhope limestone unit and its projected northerly extension from L1S to L7N where it is buried by glacial cover.

The magnetic expression of the Balsam 1 claims further north was flat and added little to understanding the geology of this area.





Summary of Expenditures  
 McDame Project  
 (Cont'd)

3. Supplies

1,500 Kraft soil sample bags @ \$9.20/ea. \$ 138.00

4. Analytical Charges (Chemex Labs, Vancouver)

a) Preparation

1,242 samples @ \$0.50/sample \$ 621.00

b) Analysis (Cu, Mo, Zn & W)

1,242 samples @ \$6.80/sample \$8,445.60

Sub-Total (2) \$12,655.84

Magnetometer Survey (July 10 - July 20/80)

1. Wages

Bob Lo 10 days @ \$46.67/day \$ 466.70

2. Room and Board

10 mandays x \$45.00/day \$ 450.00

3. Equipment Rental

GM-122 Portable Magnetometer  
 2 weeks @ \$360.00/mo \$ 180.00

MR-10 Base Station Recorder  
 2 weeks @ \$1,200.00/mo \$ 600.00

Sub-Total (3) \$1,696.70

Report Writing and Map Preparation (November 3 - 14, 1980)

G. W. Moffat 10 days @ \$100.00/day \$1,000.00

Sub-Total (4) \$1,000.00

Transportation (Truck)

20% of total (subtotals 1+2+3+4)  
 20% x \$24,602.16 \$4,920.43

TOTAL EXPENDITURES \$29,522.59



## DISTRIBUTION OF SURVEY WORK

<u>WORK CREDIT</u>	<u>BALSAM 1</u>	<u>BALSAM 2</u>	<u>WINDY 2</u>	<u>WINDY 3</u>	<u>WINDY 4</u>
1. Grid Estab- lishment (\$9,249.62)	28% \$2,589.89	12% \$1,109.95	24% \$2,219.91	22% \$2,034.92	14% \$1,294.95
2. Geochemical Survey (\$12,655.84)	25% \$3,163.95	11% \$1,392.13	35% \$4,429.54	21% \$2,657.73	8% \$1,012.47
3. Magnetometer Survey (\$1,696.70)	28% \$ 475.08	12% \$ 203.60	24% \$ 407.21	22% \$ 373.27	14% \$ 237.54
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	\$6,228.92	\$2,705.68	\$7,056.66	\$5,065.92	\$2,544.96
4. Transporta- tion	\$ 984.09	\$ 984.09	\$ 984.09	\$ 984.09	\$ 984.09
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL:	\$7,213.01	\$3,689.77	\$8,040.75	\$6,050.01	\$3,529.05

## STATEMENT OF QUALIFICATIONS OF AUTHOR

I, Gordon W. Moffat, state that I am a Geologist with the Western Base Metals Department of Shell Canada Resources Limited of Calgary, Alberta.

I obtained a B. A. Sc. Degree in Geological Engineering from the University of Toronto (1974) and have practiced by profession for the past six years.

I am a registered Professional Engineer of the Province of Ontario.

I personally supervised the field work summarized in this report.



# CHEMEX LABS LTD.

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 CANADA V7J 2C1  
 TELEPHONE: (604)984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

Client: Shell Canada Resources Ltd.,  
 Box 160  
 Cassiar, B.C.  
 VOC 1E0

CERT. # : A8010024-002-A  
 INVOICE # : 38419  
 DATE : 30-AUG-80

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
10155	50	1	102	3
10156	42	1	70	7
10157	38	1	90	20
10158	24	2	64	150
10159	56	1	106	3
10160	36	1	62	2
10161	32	1	64	6
10162	44	2	84	5
10163	60	2	100	14
10164	42	3	110	20
10165	56	5	96	14
10166	54	6	158	13
10167	62	1	64	55
10168	42	1	295	65
10169	28	1	66	125
10170	40	1	86	1
10171	44	3	176	3
10172	30	1	194	6
10173	56	4	114	35
10174	12	6	60	28
10175	28	5	80	14
10176	76	2	94	8
10177	52	4	114	8
10178	30	6	92	20
10179	10	7	94	15
10180	54	10	116	50
10181	22	1	44	8
10182	106	5	66	9
10183	70	3	90	3
10184	72	2	84	55
10185	26	4	98	20
10186	30	4	76	11
10187	56	1	180	35
10188	72	3	142	65
10189	80	2	1600	150
10190	370	5	2400	175
10191	28	1	240	25
10192	44	1	78	1
10193	28	1	235	11
10194	66	7	146	55

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Box 160  
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VOC 1E0

CERT. # : A8010024-003-A  
INVOICE # : 38419  
DATE : 30-AUG-80

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
10195	122	4	82	45
10196	28	5	82	60
10197	28	5	78	85
10198	12	7	56	45
10199	10	10	62	35
10200	34	12	78	70
10201	20	1	56	14
10202	8	4	58	20
10203	8	13	68	30
10204	8	10	46	40
10205	22	9	84	35
10206	22	5	54	65
10207	62	18	196	30
10208	34	1	150	1
10209	920	225	78	>400
10210	460	8	265	400
10211	66	7	168	125
10212	34	2	190	300
10213	30	2	93	125
10214	42	11	94	20
10215	36	7	108	28
10216	54	2	104	5
10217	72	4	90	1
10218	50	4	64	4
10219	30	1	74	16
10220	38	9	100	90
10221	104	10	92	60
10222	96	6	80	50
10224	42	2	104	15
10226	50	15	192	25
10227	58	2	158	9
10228	20	2	134	12
10229	22	3	176	8
10230	26	1	114	9
10231	24	1	100	1
10232	30	1	198	1
10233	34	1	255	1
10234	62	9	120	65
10235	142	7	182	70
10236	160	8	540	>400



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## CERTIFICATE OF ANALYSIS

O : Shell Canada Resources Ltd.,  
 Box 160  
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 VOC 1E0

CERT. # : A8010024-004-A  
 INVOICE # : 38419  
 DATE : 30-AUG-80

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
10237	74	11	126	225
10238	54	6	112	20
10239	36	2	200	7
10240	14	1	280	1
10241	118	1	194	8
10242	26	1	164	12
10243	42	1	2000	65
10244	36	1	390	9
10245	44	1	174	8
10246	48	1	126	25
10247	54	1	84	13
10248	14	1	74	1
21 84	36	1	154	30
2 85	38	1	82	12
20386	48	1	88	30
20387	54	1	92	12
20388	78	5	134	14
20389	66	2	530	60
20390	86	6	340	90
20391	28	1	210	25
20392	64	2	625	130
20393	42	1	360	45
20394	26	1	260	45
20395	38	1	260	35
20396	295	1	2800	300
20397	158	1	3150	40
20398	50	1	540	15
20399	114	1	940	45
20400	66	3	760	70
20401	68	1	750	85
20402	40	1	182	3
20403	16	1	88	4
20404	44	1	240	13
20405	118	1	154	35
20406	58	1	395	65
20407	66	1	1550	35
20408	42	1	92	40
20409	3000	1	310	30
2 10	68	2	144	45
20411	400	2	2600	65

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Box 160  
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V0C 1E0

CERT. # : A8010024-005-A  
INVOICE # : 38419  
DATE : 30-AUG-80

Sample Description	Cu ppm	Mo ppm	Zn ppm	W ppm
0412	28	1	136	45
0413	44	2	370	40
0414	38	1	300	60
0408	10	23	44	14
0409	2	1	14	12
0410	4	1	22	11
0411	6	1	32	6
0412	4	1	34	4
0413	10	6	72	9
0414	4	5	32	8
0415	14	9	72	6
0416	14	17	56	35
0417	8	2	40	11
0418	6	1	48	12
0419	4	1	32	9
0420	10	1	48	10
0421	4	1	42	13
0422	4	1	48	75
0423	4	1	38	12
0424	2	1	36	45
0425	2	1	30	6
0426	4	1	28	6
0427	4	1	30	3
0428	14	5	94	7
0429	6	2	38	8
00430	6	1	38	8
00431	4	1	34	3
00432	2	1	24	4
00433	4	1	34	5
00434	8	3	44	3
00435	8	1	26	6
00436	10	4	52	5
00437	10	14	64	6
00438	8	9	36	7
00439	6	2	44	7
00440	2	1	18	6
00441	8	3	54	6
00442	4	1	22	10
00443	4	1	36	13
00444	6	1	46	13

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Box 160  
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VOC 1E0

CERT. # : A8010024-006-A  
INVOICE # : 38419  
DATE : 30-AUG-80

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
00445	10	3	60	6
00446	10	1	42	22
00447	6	1	32	5
00448	4	1	16	7
00449	6	1	38	10
00450	4	1	18	9
00451	2	1	18	11
00452	4	1	22	6
00453	6	1	42	13
00454	10	8	52	12
00455	4	1	22	35
00456	4	4	24	20
0' 177	6	6	32	30
( 58	6	1	32	6
00459	30	6	58	7
00460	106	3	74	50
00461	18	2	64	30
00462	24	4	82	7
00463	70	12	270	6
00464	33	17	98	7
00465	62	9	230	7
00466	144	4	76	15
00467	70	1	116	14
00468	38	2	110	6
00469	6	1	14	1
00470	18	1	32	1
00471	53	1	156	3
00472	40	1	80	20
00473	36	1	122	25
00474	34	1	104	13
00475	16	1	28	1
00476	30	1	64	1
00477	24	1	60	1
00478	18	1	84	20
00479	1350	32	44	250
00480	30	10	174	9
00481	24	3	102	30
00482	28	1	116	45
00483	18	1	120	25
00484	132	2	138	200

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V0C 1E0

CERT. # : A8010024-007-A  
INVOICE # : 38419  
DATE : 30-AUG-80

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
00485	26	1	74	1
00486	16	1	18	1
00487	22	1	108	30
00488	24	1	90	10
00489	38	1	88	10
00490	6	1	86	9
00491	8	1	86	10
00492	10	1	92	5
00493	10	1	54	6
00494	14	1	72	8
00495	6	1	46	9
00496	8	1	50	3
00497	6	1	76	2
00498	8	1	58	3
00499	2	1	42	1
00500	8	1	60	1
10225	56	25	122	13

Certified by *Hart Biddle*



MEMBER  
CANADIAN TESTING  
ASSOCIATION





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 53858  
 INVOICE NO. 36674  
 RECEIVED June 25/80  
 ANALYSED July 7/80

TO: Shell Canada Resources Ltd.  
 Box 160  
 Cassiar, B.C.  
 V0C 1E0  
 ATTN: Brad Cooke

PROJECT #3091 II

SAMPLE NO. :	PPM	PPM	PPM
	Cu	Mo	W
10018 ✓		6	13
10019 ✓		8	35
10020 ✓		11	250
10021 ✓		18	35
10022 ✓		53	30
10023 ✓		20	110
10024 ✓		5	15
10025 ✓		2	10
10026 ✓		5	60
10027 ✓		3	25
10028 ✓		6	80
10029 ✓		6	20
10030 ✓		3	20
10031 ✓		2	22
10032 ✓		4	25
10033 ✓		3	8
10034 ✓	24	2	1
10035 ✓	30	6	5
10036 ✓	26	3	2
10037 ✓	42	8	13
10038 ✓	38	4	5
10039 ✓	28	4	1
10040 ✓	24	14	1
10041 ✓	44	13	1
10042 ✓		6	
10043 ✓		10	
10044 ✓		8	
10045 ✓		3	
10046 ✓		1	
10047 ✓		1	
10048 ✓		1	
10049 ✓		2	
10050 ✓		1	
10051 ✓		2	
10052 ✓		1	
10053 ✓		1	
10054 ✓		6	
10055 ✓	76	8	25
10056 ✓	98	5	25
20001 ✓	120	21	400



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CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54898  
 INVOICE NO. 37506  
 RECEIVED July 23/80  
 ANALYSED Aug. 1/80

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta. T2P 2H5  
 P.O. #PM 927223  
 ATTN: Mr. Gordon Moffat CC: Brad Cooke Project #3091 U

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
20238	48	3	125	40
20239	130	8	80	70
20240	106	6	100	80
20241	8	1	10	5
20242	12	8	75	250
20243	10	4	85	60
20244	10	4	55	50
20245	24	3	115	175
20246	36	8	160	275
20247	8	2	60	12
20248	12	4	35	3
20249	8	2	55	1
20250	10	3	65	3
20251	10	3	60	5
20252	8	6	50	40
20253	46	6	215	50
20254	20	4	75	40
20255	34	8	140	35
20256	40	4	100	40
20257	38	6	115	20
20258	40	3	120	20
20259	34	6	90	25
20260	68	9	150	60
20261	78	6	140	20
20262	30	4	125	50
60001	26	2	70	45
60002	24	1	60	10
60003	24	1	70	7
60004	18	2	75	3
60005	26	1	85	1
60006	34	1	80	1
60007	42	2	120	7
60008	32	3	95	3
60009	60	3	100	3
60010	72	3	100	3
60011	48	3	100	3
60012	60	4	150	7
60013	50	7	185	25
60014	132	8	725	20
60015	52	4	150	5

*Hart Bickle*



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CERTIFIED BY: .....



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
 Box 160  
 Cassiar, B.C.  
 VOC 1E0

ATTN: Brad Cooke PROJECT #3091 U

CERTIFICATE NO. 53859  
 INVOICE NO. 36674  
 RECEIVED June 25/80  
 ANALYSED July 7/80

SAMPLE NO. :	PPM	PPM	PPM
	Cu	Mo	W
20002 ✓	50	12	150
20003 ✓	40	8	85
20004 ✓	50	5	65
20005 ✓	96	14	125
20006 ✓	52	14	35
20007 ✓	34	10	55
20008 ✓	20	7	7
20009 ✓	26	17	10
20010 ✓	32	59	8
20011 ✓	22	22	8
50001 ✓	6	3	5
50002 ✓	6	1	2
50003 ✓	12	1	5
50004 ✓	8	1	2
50005 ✓	8	1	2
50006 ✓	16	2	6
50007 ✓	16	2	8
50008 ✓	10	1	4
50009 ✓	30	2	1
50010 ✓	6	3	3
50011 ✓	40	2	2
50012 ✓	42	1	1
50013 ✓	34	1	4
50014 ✓	46	4	100
50015 ✓	10	2	15
50016 ✓	36	2	13
50017 ✓	36	3	1
50018 ✓	74	3	1
50019 ✓	52	3	1
50020 ✓	70	2	1
50021 ✓	66	1	1
50022 ✓	70	2	1
50023 ✓	8	3	1
50024 ✓	54	2	1



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 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 53857  
 INVOICE NO. 36674  
 RECEIVED June 25/80  
 ANALYSED July 7/80

TO: Shell Canada Resources Ltd.  
 Box 160  
 Cassiar, B.C.  
 VOC 1E0

ATTN: Brad Cooke PROJECT #3091 U

SAMPLE NO. :	PPM Cu	PPM Mo	PPM W
00001 ✓		12	
00002 ✓		6	
00003 ✓		11	
00004 ✓		20	
00005 ✓		6	
00006 ✓		1	
00007 ✓		5	
00008 ✓		5	
00009 ✓		2	
00010 ✓		9	
00011 ✓		2	
00012 ✓		3	
00013 ✓		1	
00014 ✓		1	
00015 ✓		6	
00016 ✓		2	
00017 ✓		7	
00018 ✓		4	
00019 ✓		4	
00020 ✓		5	
00021 ✓		1	
00022 ✓		6	
00023 ✓		5	
10001 ✓		1	
10002 ✓		2	
10003 ✓		3	
10004 ✓		1	
10005 ✓		1	
10006 ✓		1	
10007 ✓		1	
10008 ✓		1	
10009 ✓		1	
10010 ✓		1	
10011 ✓		2	
10012 ✓		1	
10013 ✓		1	
10014 ✓	16	25	15
10015 ✓		6	17
10016 ✓		8	13
10017 ✓		7	12



MEMBER

CERTIFIED BY: *Hart Biddle*

*Forward to Bernd Cooke.*

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597



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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54435  
INVOICE NO. 37088  
RECEIVED July 10/80  
ANALYSED July 21/80

TO: Shell Canada Resources Ltd.,  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta.  
cc: B. Cooke

ATTN: T2P 2J5 PROJ. 3091U PM# 927223

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
0024	6	7	52	5
0025	6	2	64	4
0026	16	2	56	4
0027	12	2	64	2
0028	16	2	64	4
0029	6	1	62	7
0030	6	1	66	5
0031	6	2	58	5
0032	8	6	66	10
0033	10	2	62	12
0034	8	1	62	5
0035	14	5	80	7
0036	20	4	94	3
0068	28	2	198	9
0069	68	3	124	13
0070	80	3	164	17
0071	116	4	104	15
0072	42	4	94	5
0073	102	4	122	25
0074	56	5	158	7
0075	80	7	98	12
0076	130	7	1000	200
0077	44	3	132	5
0078	66	3	138	12
0079	38	4	90	7
0080	38	2	92	5
0081	174	11	186	5
0082	36	2	148	2
0083	4	3	6	1
0084	52	4	104	10
0085	32	8	30	12
0086	30	8	38	5
0087	30	22	62	7
0088	64	2	58	10
0089	164	15	34	13
0090	66	5	72	5
0091	42	3	78	4
0092	50	5	76	7
0093	62	4	104	7
0094	52	4	78	5



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CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta.

PROJ. 3091U PM # 927223

ATTN: cc: B. Cooke

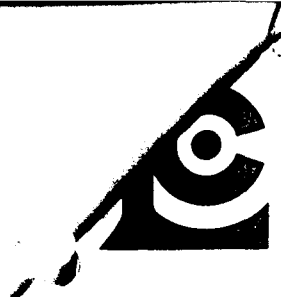
CERTIFICATE NO. 54436  
INVOICE NO. 37088  
RECEIVED July 10.80  
ANALYSED July 21/80

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
0095	40	5	94	5
0096	50	3	98	5
0097	44	2	505	10
0098	52	3	120	5
0099	34	3	72	7
0100	20	3	54	4
0101	64	3	96	10
0102	68	3	94	7
0103	98	4	380	15
0104	56	3	245	17
0105	66	6	82	7
0106	86	8	128	10
10057	80	135	570	5
10058	52	4	130	2
10059	46	3	108	1
10060	72	2	184	5
10061	250	2	102	2
10062	44	2	114	1
10063	62	3	98	2
10064	40	3	94	1
10065	16	3	38	1
10066	28	4	60	1
10067	12	3	14	1
20012	30	4	63	140
20013	28	4	475	10
20014	86	7	880	15
20015	54	3	122	12
20016	74	5	58	15
20017	122	6	52	12
20018	186	5	102	37
20019	108	5	90	39
20020	102	8	84	55
20021	100	5	98	15
20022	60	4	1200	23
20023	68	4	156	9
20024	106	8	550	60
20025	26	6	108	>400
20026	30	4	98	20
20027	72	6	160	50
20028	114	8	44	35



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CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54437  
INVOICE NO. 37088  
RECEIVED July 10/80  
ANALYSED July 21/80

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta.  
T2P 2H5  
PROJ. 3091 U PM 927223  
cc: B. Cooke

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
20029	62	4	50	1
20030	64	5	72	25
20031	148	5	128	60
20032	90	5	66	30
20033	74	5	82	10
20034	60	3	70	4
20035	88	4	44	2
20036	56	3	60	1
20037	56	4	80	7
20038	56	2	72	5
20039	156	9	94	50
20040	104	6	66	70
20041	96	6	64	45
20042	86	8	56	120
20043	68	4	154	70
20044	54	6	96	39
20045	38	4	196	10
20046	24	2	94	7



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CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604)984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : Shell Canada Resources Ltd.,  
Box 160  
Cassiar, B.C.  
V0C 1E0

CERT. # : A8010422-001-A  
INVOICE # : 38988  
DATE : 19-SEP-80

3091 U-McDAME PROJ.

Sample description	Prep code	Mo ppm	W ppm				
00600	201	2	2	--	--	--	--
00601	201	6	20	--	--	--	--
00602	201	5	20	--	--	--	--
00603	201	19	7	--	--	--	--
00604	201	11	3	--	--	--	--
00605	201	1	3	--	--	--	--
00606	201	11	1	--	--	--	--
00607	201	1	4	--	--	--	--
00608	201	1	1	--	--	--	--
00609	201	1	4	--	--	--	--
00610	201	1	3	--	--	--	--
00611	201	3	5	--	--	--	--
00612	201	8	6	--	--	--	--
00613	201	5	7	--	--	--	--
00614	201	10	7	--	--	--	--
00615	201	10	4	--	--	--	--
00616	201	32	4	--	--	--	--
00617	201	18	3	--	--	--	--
00618	201	4	4	--	--	--	--
00619	201	5	4	--	--	--	--
00620	201	13	3	--	--	--	--
00621	201	10	3	--	--	--	--
00622	201	1	2	--	--	--	--

Certified by *Hart Biddle*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54889  
 INVOICE NO. 37506  
 RECEIVED July 23/80  
 ANALYSED Aug. 1/80

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta. T2P 2H5  
 Mr. Gordon Moffat

P.O. #PM 927223  
 Project 3091 U  
 CC: Brad Cooke

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
00133 ✓	325	14	178	30
00134 ✓	120	2	130	20
00135 ✓	80	2	104	5
00136 ✓	108	2	146	8
00137 ✓	68	1	154	9
00138 ✓	120	5	225	14
00139 ✓	94	10	138	325
00140 ✓	132	5	200	34
00141 ✓	20	3	54	35
00142 ✓	34	2	104	175
00143 ✓	24	18	152	75
00144 ✓	34	2	610	25
00145 ✓	42	4	156	60
00146 ✓	46	5	62	300
00147 ✓	12	1	58	70
00148 ✓	26	5	142	75
00149 ✓	34	6	98	150
00150 ✓	42	5	84	160
00151 ✓	40	4	86	180
00152 ✓	34	4	106	125
00153 ✓	58	2	102	22
00154 ✓	84	2	140	8
00155 ✓	58	4	106	90
00156 ✓	134	6	138	25
00157 ✓	116	5	94	30
00158 ✓	270	8	198	75
00159 ✓	152	4	260	20
00160 ✓	148	4	142	30
00161 ✓	64	3	74	1
00612 ✓	48	3	48	5
00163 ✓	104	13	1200	2
00164 ✓	180	12	415	5
00165 ✓	156	16	1400	1
00166 ✓	110	4	100	1
00167 ✓	170	12	280	1
00168 ✓	118	7	885	1
00169 ✓	110	8	370	1
00170 ✓	80	3	124	11
00171 ✓	84	3	345	9
10084 ✓	44	4	72	1



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CERTIFIED BY: *Harold Biddle*

# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54890

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta.  
 ATTN: T2P 2H5 Mr. Gordon Moffat

P.O. #PM927223  
 Project #3091 U  
 CC: Brad Cooke

INVOICE NO. 37506

RECEIVED July 23/80

ANALYSED Aug. 1/80

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
10085	56	3	158	2
10086	42	2	142	1
10087	74	4	345	7
10088	92	3	610	25
10089	60	3	74	20
10090	112	9	250	10
10091	148	7	78	75
10092	192	7	240	25
10093	132	4	525	15
10094	154	6	450	13
10095	156	4	430	8
10096	132	4	180	25
10097	194	8	126	100
10098	230	7	118	60
10099	260	12	88	65
10100	245	10	96	60
00188	62	13	255	130
00189	10	2	42	35
00190	22	2	40	40
00191	28	10	98	275
00192	48	6	128	12
00193	18	3	92	75
00194	64	4	182	70
00195	52	5	98	35
00196	56	2	90	45
00197	82	5	200	2
00198	64	2	110	25
00199	88	3	152	15
00200	86	3	116	14
00201	70	4	108	30
00202	58	2	102	20
00203	54	3	94	22
00204	36	15	385	1
00205	106	4	168	3
00206	64	2	100	1
00207	84	4	100	1
00208	86	4	96	4
00209	76	2	82	1
00210	48	1	80	1
00211	54	2	96	30

*Hart Biddle*



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 ASSOCIATION

CERTIFIED BY: .....

# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta. T2P 2H5

P.O. #PM 927223  
 Project #3091 U  
 CC: Brad Cooke

CERTIFICATE NO. 54891  
 INVOICE NO. 37506  
 RECEIVED July 23/80  
 ANALYSED Aug. 1/80

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
00212 ✓	66	2	126	17
00213 ✓	54	1	114	5
00214 ✓	56	2	138	8
00187b	38	3	132	100
10068 ✓	32	6	70	60
10069 ✓	44	22	655	375
10070 ✓	14	3	64	13
10071 ✓	22	2	315	25
10072 ✓	36	1	128	11
10073 ✓	22	2	156	1
10074 ✓	106	4	106	20
10075 ✓	190	10	76	45
10076 ✓	166	11	64	35
10077 ✓	186	10	62	100
10078 ✓	230	16	70	75
10079 ✓	230	15	94	65
10080 ✓	150	6	150	60
10081 ✓	152	6	152	55
10082 ✓	108	3	245	25
10083 ✓	96	2	330	12
20047 ✓	12	2	40	17
20048 ✓	28	9	100	65
20049 ✓	44	12	610	225
20050 ✓	72	13	2000	60
20051 ✓	80	12	1700	40
20052 ✓	22	10	255	1
20053 ✓	88	11	350	150
20054 ✓	260	56	395	>400
20055 ✓	475	18	650	45
20056 ✓	250	10	190	65
20057 ✓	310	18	108	55
20058 ✓	144	6	245	37
20059 ✓	230	5	735	35
20060 ✓	220	12	120	35
00107 ✓	20	3	115	20
00108 ✓	14	2	60	1
00109 ✓	34	6	250	85
00110 ✓	120	9	205	90
00111 ✓	94	7	280	45
00112 ✓	126	2	255	30



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100

ATTN: Calgary, Alta. T2P 2H5 P.O. #PM 927223  
Mr. Gordon Moffat CC: Brad Cooke Project #3091 U

CERTIFICATE NO. 54892  
INVOICE NO. 37506  
RECEIVED July 23/80  
ANALYSED Aug. 1/80

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
00113 ✓	134	3	270	33
00114 ✓	112	2	185	30
00115 ✓	138	3	215	30
00116 ✓	310	7	170	80
00117 ✓	188	8	225	30
00118 ✓	144	2	120	22
00119 ✓	305	10	135	60
00120 ✓	24	2	50	225
00121 ✓	20	2	85	175
00122 ✓	54	12	190	45
00123 ✓	260	8	370	30
00124 ✓	194	8	160	32
00125 ✓	198	10	160	40
00126 ✓	126	5	280	35
00127 ✓	176	7	205	40
00128 ✓	150	4	245	20
00129 ✓	210	8	160	65
00130 ✓	140	4	65	25
00131 ✓	142	3	145	13
00132 ✓	290	8	220	35
10101 ✓	230	12	100	50
10102 ✓	90	5	70	28
10103 ✓	112	4	80	20
10104 ✓	158	9	105	25
10105 ✓	20	4	120	60
10106 ✓	64	6	115	20
10107 ✓	26	3	85	25
10108 ✓	14	6	60	20
10109 ✓	80	6	170	200
10110 ✓	36	5	95	20
10111 ✓	24	8	110	55
10112 ✓	48	5	115	15
10113 ✓	210	4	120	25
10114 ✓	98	6	375	20
20061 ✓	6	3	30	12
20062 ✓	8	2	55	13
20063 ✓	24	6	255	130
20064 ✓	8	3	35	35
20065 ✓	16	9	100	160
20066 ✓	12	5	45	120



MEMBER  
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ASSOCIATION

CERTIFIED BY: Hart Biddle



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta. T2P 2H5  
ATTN: Mr. Gordon Moffat CC: Brad Cooke  
P.O. #PM 927223  
Project #3091 U

CERTIFICATE NO. 54893  
INVOICE NO. 37506  
RECEIVED July 23/80  
ANALYSED Aug. 1/80

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
20067 ✓	104	6	160	10
20068 ✓	180	14	230	100
20069 ✓	112	8	170	18
20070 ✓	114	8	155	30
20071 ✓	245	8	255	30
20072 ✓	100	3	115	8
20073 ✓	46	2	40	1
20074 ✓	28	4	45	13
20075 ✓	56	9	200	1
20076 ✓	130	4	275	12
20077 ✓	92	8	280	1
00172 ✓	58	5	125	45
00173 ✓	22	5	80	65
00174 ✓	44	12	110	325
00175 ✓	50	4	45	75
00176 ✓	14	2	25	20
00177 ✓	44	5	150	90
00178 ✓	58	5	200	175
00179 ✓	22	4	100	80
00180 ✓	4	1	25	13
00181 ✓	8	2	40	14
00182 ✓	6	2	45	8
00183 ✓	12	4	60	5
00184 ✓	8	2	40	8
00185 ✓	4	1	25	4
00186 ✓	2	1	25	6
00187 ✓	4	2	30	10
20087 ✓	76	6	390	225
20088 ✓	42	7	345	65
20089 ✓	235	12	545	20
20090 ✓	280	23	165	60
20091 ✓	360	10	180	65
20092 ✓	300	12	110	70
20093 ✓	370	34	255	65
20094 ✓	260	12	100	80
20095 ✓	335	26	295	>400
20096 ✓	160	6	95	45
20097 ✓	270	20	115	40
20098 ✓	52	4	125	11
20099 ✓	270	34	45	8



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 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100

ATTN: Mr. Gordon Moffat CC: Brad Cooke

P.O. #PM 927223  
 Project #3091 U

CERTIFICATE NO. 54894

INVOICE NO. 37506

RECEIVED July 23/80

ANALYSED Aug. 1/80

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
20100	230	10	825	50
20101	225	10	800	65
20102	174	5	230	70
20103	290	6	195	90
20104	250	8	175	60
20105	114	7	250	20
20106	78	4	170	10
20107	160	12	170	30
20108	88	4	610	100
20109	76	3	375	75
20110	196	10	655	100
20111	94	8	765	35
20112	56	10	70	45
20113	54	8	80	40
20114	72	6	150	125
20115	38	4	115	50
20116	26	4	90	25
20117	46	2	60	13
20118	26	3	75	5
20119	42	5	105	35
20120	22	4	110	1
20121	30	4	80	4
20122	22	4	115	3
20123	42	4	70	8
20124	58	4	90	30
20125	58	6	95	55
20126	52	8	95	40
20127	52	5	155	15
20128	64	4	100	20
20129	80	9	795	70
20130	58	8	305	65
20131	26	10	300	12
20131	40	5	360	55
20132B	20	4	90	85
20134	16	2	60	10
20135	18	2	65	6
20136	14	2	55	6
20137	14	2	50	7
20138	12	2	50	8
20139	14	4	55	10



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CANADA V7J 2C1  
TELEPHONE: 984-0221  
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TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54895  
INVOICE NO. 37506  
RECEIVED July 23/80  
ANALYSED Aug. 1/80

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta. T2P 2H5  
ATTN: Mr. Gordon Moffat CC: Brad Cooke  
P.O. #PM 927223  
Project #3091 U

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
20140 ✓	14	2	55	8
20141 ✓	12	8	40	14
20142 ✓	10	2	35	10
00215 ✓	58	7	130	15
00216 ✓	56	6	135	9
00217 ✓	52	4	135	16
00218 ✓	54	3	120	9
00219 ✓	50	4	110	12
00220 ✓	34	2	90	3
00221 ✓	40	2	100	3
00222 ✓	78	2	95	12
00223 ✓	52	2	100	50
00224 ✓	46	2	100	3
00225 ✓	36	4	80	1
00226 ✓	30	2	80	6
00227 ✓	30	3	80	5
00228 ✓	38	2	100	7
00229 ✓	40	4	110	12
00230 ✓	32	4	90	10
00231 ✓	26	2	65	8
00232 ✓	26	3	70	8
00233 ✓	26	2	85	14
00234 ✓	16	3	65	17
00235 ✓	12	3	65	10
00236 ✓	16	2	60	8
20165 ✓	26	1	85	6
20166 ✓	18	2	65	6
20167 ✓	14	1	60	12
20168 ✓	16	2	50	16
20169 ✓	14	1	50	12
20170 ✓	46	2	110	5
20171 ✓	34	2	85	5
20172 ✓	44	5	115	4
20173 ✓	30	3	100	12
20174 ✓	32	3	95	10
20175 ✓	42	4	100	1
20176 ✓	38	2	110	3
20177 ✓	36	3	95	12
20143 ✓	12	6	50	12
20144 ✓	16	5	55	8



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 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100

ATTN: Calgary, Alta. T2P 2H5 P.O. #PM 927223  
 Mr. Gordon Moffat CC: Brad Cooke Project #3091 U

CERTIFICATE NO. 54896  
 INVOICE NO. 37506  
 RECEIVED July 23/80  
 ANALYSED Aug. 1/80

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
20145✓	12	2	50	12
20146✓	12	2	45	12
20147✓	14	2	55	8
20148✓	14	2	45	7
20149✓	18	1	60	5
20150	18	2	65	14
20151	18	2	65	9
20152✓	12	3	50	12
20153✓	10	2	50	12
20154	14	1	55	1
20155	20	2	75	11
20156	22	2	80	14
20157	8	3	35	14
20158	16	3	55	9
20159	14	2	60	12
20160	20	22	80	14
20161	14	8	55	11
20162	12	2	55	11
20163	14	8	70	25
20164✓	6	3	35	11
20178✓	76	5	120	3
20179	92	5	130	11
20180	48	4	115	15
20181	64	4	115	5
20182✓	74	4	140	15
20183	14	1	40	12
20184	10	1	60	8
20185✓	12	1	35	15
20186	10	1	30	12
20187	12	1	40	16
20188	16	1	60	10
20189	8	1	15	9
20190	10	2	45	4
20191	4	1	20	13
20192	6	1	25	25
20193	12	5	65	12
20194	4	4	20	10
20195	10	2	55	1
20196	8	2	40	10
20197	4	1	20	9

*Hart Biddle*



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CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54897  
INVOICE NO. 37506  
RECEIVED July 23/80  
ANALYSED Aug. 1/80

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta. T2P 2H5  
ATTN: Mr. Gordon Moffat CC: Brad Cooke P.O. #PM 927223  
Project #3091 II

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
20198	8	1	40	12
20199	4	2	30	25
20200	10	5	60	80
20201	6	1	25	25
20202	6	1	30	30
20203	6	2	40	40
20204	14	2	65	50
20205	6	2	35	60
20206	30	2	115	70
20207	14	3	60	45
20208	16	8	55	75
20209	8	4	30	100
20210	6	1	30	65
20211	10	2	35	45
20212	6	1	25	12
20213	4	1	15	10
20214	8	1	45	3
20215	10	2	70	1
20216	10	3	40	8
20217	8	1	50	9
20218	18	3	55	12
20219	20	3	60	11
20220	14	3	45	45
20221	10	4	40	12
20222	2	6	10	50
20223	6	1	15	9
20224	14	5	40	40
20225	16	2	45	10
20226	14	8	70	15
20227	28	6	225	20
20228	52	3	110	14
20229	42	4	95	40
20230	48	3	110	14
20231	44	3	75	11
20232	54	5	115	50
20233	72	4	80	50
20234	118	18	225	70
20235	92	5	175	12
20236	36	3	130	50
20237	18	3	80	70



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CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta. T2P 2H5

ATTN: Mr. Gordon Moffat CC: Brad Cooke

P.O. #PM 927223  
Project #3091 U

CERTIFICATE NO. 54898  
INVOICE NO. 37506  
RECEIVED July 23/80  
ANALYSED Aug. 1/80

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
20238	48	3	125	40
20239	130	8	80	70
20240	106	6	100	80
20241	8	1	10	5
20242	12	8	75	250
20243	10	4	85	60
20244	10	4	55	50
20245	24	3	115	175
20246	36	8	160	275
20247	8	2	60	12
20248	12	4	35	3
20249	8	2	55	1
20250	10	3	65	3
20251	10	3	60	5
20252	8	6	50	40
20253	46	6	215	50
20254	20	4	75	40
20255	34	8	140	35
20256	40	4	100	40
20257	38	6	115	20
20258	40	3	120	20
20259	34	6	90	
20260	68	9	150	60
20261	78	6	140	20
20262	30	4	125	50
60001	26	2	70	45
60002	24	1	60	10
60003	24	1	70	7
60004	18	2	75	3
60005	26	1	85	1
60006	34	1	80	1
60007	42	2	120	7
60008	32	3	95	3
60009	60	3	100	3
60010	72	3	100	3
60011	48	3	100	3
60012	60	4	150	7
60013	50	7	185	25
60014	132	8	725	20
60015	52	4	150	5



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# CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 54899  
INVOICE NO. 37506  
RECEIVED July 23/80  
ANALYSED Aug. 1/80

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta. T2P 2H5  
P.O. #PM 927223  
Project #3091 U

ATTN: Mr. Gordon Moffat CC: Brad Cooke

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
60016	10	3	55	12
60017	12	2	50	3
60018	18	2	70	7
60019	18	3	80	10
60020	18	3	65	14
60021	14	4	60	15
60022	14	4	50	12
60023	18	24	55	15
60024	36	12	130	12
60025	22	8	65	45
60026	16	6	55	12
60027	6	2	30	40
60028	10	2	50	12
60029	6	2	40	12
60030	8	2	45	15
60031	8	2	55	14
60032	10	10	30	14
60033	12	8	50	14
60034	12	16	50	14
60035	8	7	45	12
60036	14	9	55	20
60037	16	10	90	17
60038	8	5	55	13
60039	14	5	70	15
60040	20	3	75	15
60041	18	2	60	10
60042	12	3	60	10
60043	16	3	55	12
60044	20	2	85	20
60045	12	2	45	17
60046	12	2	50	20
60047	16	2	65	1
60048	20	1	70	10
60049	38	4	110	10
60050	28	2	110	8
60051	28	2	115	7
60052	26	2	75	12
60053	42	4	110	7
60054	42	3	115	15
20078	340	6	250	20



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 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 55467

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta

INVOICE NO. 38021

RECEIVED Aug. 10/80

ATTN: PROJECT #3091-U P.O. #pm 927223

ANALYSED Aug. 20/80

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
00297	40	6	142	10
00298	18	4	48	40
00299	20	11	68	13
00300	22	9	98	10
00301	24	8	98	10
00302	16	5	76	8
00303	32	5	116	5
00304	26	2	68	75
00305	26	5	74	25
00306	22	10	58	35
00307	34	7	90	27
00308	38	6	126	27
00309	34	3	128	20
00310	32	1	22	5
00311	12	3	62	7
00312	20	2	68	10
00313	10	2	48	23
00314	18	4	66	12
00315	18	4	52	10
00316	20	4	54	12
00317	24	3	66	15
00318	18	3	54	10
00319	8	6	72	2
00320	12	2	68	13
00321	12	5	88	50
00322	8	2	64	5
00323	12	4	64	37
00324	26	45	94	15
00324	14	5	48	10
00325	10	9	56	15
00326	8	4	52	27
00327	18	7	74	35
00328	6	4	36	37
00329	6	3	40	7
00330	6	4	38	5
00331	8	2	52	5
00332	4	2	24	7
00333	12	2	40	7
00336	12	7	54	10
00338	10	14	44	10



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# CHEMEX LABS LTD.

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CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta.

ATTN: PROJECT #3091-U P.O. #PM 927223

CERTIFICATE NO. 55468  
INVOICE NO. 38021  
RECEIVED Aug. 10/80  
ANALYSED Aug. 20/80

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
00339	8	3	44	1
00340	6	8	32	7
00341	14	8	64	5
00342	8	5	38	13
00343	8	5	32	25
00343 <del>5</del>	20	14	68	15
00344	6	9	34	25
00346	10	5	46	10
00347	6	2	34	23
00348	28	17	112	20
00349	22	12	104	13
00350	6	4	46	7
00351	4	5	40	10
00352	6	4	34	12
00353	6	4	46	12
00354	6	2	34	5
00355	24	9	82	13
00356	8	7	62	10
00357	6	2	30	5
00358	6	2	26	12
00359	2	1	22	5
00360	4	3	28	10
00361	16	15	72	15
00362	14	33	74	17
00363	18	27	74	20
00364	8	17	56	15
00365	6	4	62	10
00366	4	2	46	5
00367	4	3	48	5
00368	16	9	62	17
00369	10	3	66	8
00370	6	4	40	17
00371	8	5	42	15
00372	6	3	50	15
00373	4	2	34	10
00374	12	6	66	13
00375	12	4	56	15
00376	8	2	72	7
00377	6	3	52	5
00378	6	3	62	25



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CERTIFIED BY:

*Hart Biddle*



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 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
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## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta.

CERTIFICATE NO. 55469  
 INVOICE NO. 38021  
 RECEIVED Aug. 10/80  
 ANALYSED Aug. 20/80

PROJECT #3091-U P.O. #PM 927223

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
00379	8	3	50	2
00380	6	2	38	15
00381	8	6	50	12
00382	4	5	36	5
00383	10	3	94	5
00384	4	1	28	3
00385	2	4	28	3
00386	6	5	48	5
00387	12	4	54	10
00388	6	2	50	2
00389	4	2	38	8
00390	4	1	52	10
00391	6	2	48	12
00392	4	3	48	30
00393	4	1	34	15
00394	2	1	32	12
00395	10	6	56	7
00396	10	16	48	10
00397	10	17	60	7
00398	14	24	64	15
00399	16	8	56	25
00400	4	3	32	5
00401	4	2	30	5
00402	6	2	38	4
00403	2	1	18	7
00404	6	2	52	1
00405	8	5	50	7
00406	10	7	30	10
00407	2	1	34	1
70051	28	2	62	7
70052	32	2	94	7
70053	48	4	96	23
70054	58	4	88	70
70055	52	5	76	50
70056	1100	18	>10000	35
70057	132	5	6400	35
70058	76	4	2250	40
70059	16	1	475	30
70060	42	2	100	10
70061	30	2	62	20



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Biddle*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604)984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : Shell Canada Resources Ltd.,  
Box 160  
Cassiar, B.C.  
VOC 1E0

CERT. # : A8010002-002-A  
INVOICE # : 38413  
DATE : 30-AUG-80  
PROJ. 3091U

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
00541	28	1	215	1
00542	36	1	560	3
00543	34	1	94	2
00544	28	1	68	7
00545	20	2	6300	1
00546	26	1	7650	1
00547	22	1	245	5
00548	44	1	1750	23
00549	540	75	>10000	25
00550	74	4	165	2
00551	66	3	104	5
00552	74	5	92	4
00553	70	3	72	2
00554	66	1	80	5
00555	74	1	70	5
00556	54	1	66	5
00557	42	1	200	1
00558	20	1	192	1
00559	24	1	505	2
00560	22	2	245	5
00561	18	2	360	10
00562	86	4	280	10
00563	82	2	88	12
00564	58	1	84	5
00565	64	1	88	10
00566	52	1	88	5
00567	60	2	76	15
00568	--	--	--	--
10250	10	1	74	1
10251	10	1	88	1
10252	8	1	62	1
10253	16	2	118	1
10254	6	1	66	1
10255	6	1	138	1
10256	--	--	TO FOLLOW	--
10258	6	1	64	1
10260	4	1	76	1

*Hart Biddle*

Certified by .....







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212 BROOKSBANK AVE.  
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CANADA V7J 2C1  
TELEPHONE: (604)984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

O : Shell Canada Resources Ltd.,  
Box 160  
Cassiar, B.C.  
V0C 1E0

CERT. # : A8010002-001-A  
INVOICE # : 38413  
DATE : 30-AUG-80

PROJ. 3091U

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
00501	56	25	530	9
00502	62	25	460	15
00503	54	10	615	13
00504	84	2	80	1
00505	106	2	70	1
00506	52	1	34	2
00507	34	1	32	5
00508	22	1	30	15
00509	124	2	70	10
00510	100	2	58	1
00511	92	1	76	5
00512	88	2	82	2
00513	78	2	92	20
00514	30	3	118	5
00515	30	2	126	5
00516	24	3	150	5
00517	14	2	146	2
00518	26	6	152	25
00519	40	6	162	17
00520	16	5	300	15
00521	26	12	84	17
00522	38	30	104	13
00523	64	15	178	2
00524	56	7	134	12
00525	60	22	78	5
00526	42	20	102	7
00527	70	225	84	50
00528	54	7	130	5
00529	32	5	154	2
00530	36	1	146	1
00531	34	3	230	2
00532	20	3	250	3
00533	42	1	112	1
00534	20	1	52	5
00535	54	2	82	1
00536	66	2	74	7
00537	70	2	104	3
00538	64	2	82	5
00539	80	1	108	3
00540	84	1	104	2



Certified by *Harry Bickle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604)984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : Shell Canada Resources Ltd.,  
Box 160  
Cassiar, B.C.  
V0C 1E0

CERT. # : A8010374-001-A  
INVOICE # : 38888  
DATE : 18-SEP-80

McDAME PROJ. 30914A

Sample description	Cu ppm	Mo ppm	Zn ppm	W ppm
10262	38	7	310	55
10263	64	8	102	60
10264	30	4	88	35
10265	64	14	74	60
10266	66	38	40	70
10267	16	11	72	14
10268	10	13	54	17
10269	24	9	62	3
10270	12	14	76	4
10271	18	6	82	8
10272	94	3	470	14
10273	24	5	150	10
10274	54	5	146	3
10275	30	3	124	3
10276	26	2	94	5
10277	8	8	84	4
10278	10	47	98	2
10279	6	3	92	5
10280	6	2	76	15
10281	8	1	80	2
10282	8	1	46	4
10283	6	1	68	3
10284	4	1	86	7
10285	6	1	82	5
10286	8	1	310	4
10287	6	4	106	3
10288	10	1	48	2
10289	10	1	88	4
10290	4	1	20	5
10291	8	1	56	3
10292	10	1	66	2
10293	8	1	60	2
10294	4	1	66	3
10295	6	1	32	4
10296	6	1	40	3
10297	4	1	54	5
40002	70	145	420	2
40003	24	13	78	2
40004	38	17	118	1

Certified by *Hart Bickle*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604)984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

<b>CERTIFICATE OF ANALYSIS</b>
--------------------------------

TO : Shell Canada Resources Ltd.,  
 Box 160  
 Cassiar, B.C.  
 VOC 1E0

CERT. # : A8010373-001-A  
 INVOICE # : 38887  
 DATE : 18-SEP-80  
 CH:CORD.TIN 3091E

Sample description	Mo ppm	W ppm	Sn ppm	---
5200	--	5	5	--
5201	--	7	3	--
5202	--	20	3	--
5203	--	15	2	--
5204	--	27	2	--
5205	--	13	2	--
5206	--	13	1	--
5207	--	13	4	--
5208	--	25	12	--
5209	--	10	69	--
5210	--	15	1	--
5211	--	3	1	--
5212	--	8	3	--
5213	--	15	1	--
5214	--	4	11	--
5215	--	3	7	--
5216	--	3	7	--
5217	--	4	10	--
5218	--	23	4	--
5219	--	2	6	--
5220	--	1	5	--
5221	--	2	10	--
5222	--	1	--	--
90001	--	2	1	--
90002	--	5	1	--
90003	--	1	1	--
90004	--	1	1	--
90005	--	2	1	--
90006	--	3	1	--
90007	--	1	1	--
90008	--	1	1	--
90009	--	4	1	--
90010	--	2	5	--
90011	--	5	3	--
90012	--	4	9	--
5100	1	2	--	--
5101	1	1	--	--
5102	1	1	--	--
5103	1	3	--	--
5104	1	2	--	--

OBSY

Certified by *Hart Biddle* .....



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604)984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : Shell Canada Resources Ltd.,  
 Box 160  
 Cassiar, B.C.  
 VOC 1E0

CERT. # : A8010373-002-A  
 INVOICE # : 38887  
 DATE : 18-SEP-80

CH:CORD.TIN 3091E

Sample description	Mo ppm	W ppm	Sn ppm	
5105	1	3	--	--
5106	1	1	--	--
5107	1	1	--	--
5108	1	1	--	--
5109	1	2	--	--
5110	1	1	--	--
5111	1	1	--	--
5112	1	1	--	--
5113	1	1	--	--
5114	1	1	--	--
5115	1	1	--	--

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 55418

TO: Shell Canada Resources Ltd.,  
 Minerals Dept.,  
 P.O. Box 100  
 Calgary, B.C. T2P 2H5

c.c.- Brad Cooke  
 Cassiar, B.C.

INVOICE NO. 37950

RECEIVED August 8, 1980

ATTN: Gordon Moffat

ANALYSED August 19, 1980

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
00238	10	3	52	8
00238	14	3	50	1
00239	16	4	58	3
00240	18	2	62	6
00241	18	5	54	4
00242	20	4	56	6
00243	36	6	80	1
00244	18	2	66	3
00245	16	7	60	35
00246	12	10	74	12
00247	48	27	270	13
00248	68	29	188	14
00249	42	13	146	14
00250	28	6	48	25
00251	26	6	40	32
00252	14	6	28	37
00253	8	4	22	25
00254	8	3	18	16
00255	46	6	36	11
00256	12	6	52	14
00257	22	4	66	12
00258	14	3	46	8
00259	12	3	50	11
00260	6	3	38	12
00261	8	5	50	9
00262	8	3	40	12
00263	12	7	84	10
00264	8	3	48	7
00265	10	6	62	13
00266	38	3	54	70
00267	24	2	84	10
00268	4	5	68	20
00269	30	21	50	200
00270	30	1	74	18
00271	26	1	78	15
00272	22	1	72	35
00273	26	1	80	7
00274	40	4	62	8
00275	50	7	78	14
00276	28	2	74	10



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Harold Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.,  
 Minerals Dept.,  
 P.O. Box 100  
 Calgary, Alta. T2P 2H5

ATTN: Gordon Moffat

c.c.- Brad Cooke  
 Cassiar, B.C.

CERTIFICATE NO. 55419  
 INVOICE NO. 37950  
 RECEIVED August 8, 1980  
 ANALYSED August 19, 1980

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
00277	26	1	70	10
00278	28	1	74	20
00279	26	1	62	20
00280	22	2	70	30
00281	20	2	86	18
00282	34	15	78	55
00283	34	14	82	22
00284	36	8	86	65
* 00285	42	10	46	45
* 00286	106	20	174	50
00287	28	4	142	125
00288	44	36	72	30
00289	30	5	104	60
00290	30	5	126	30
00291	82	16	205	70
00292	26	3	68	12
00293	48	10	106	80
00294	32	2	92	7
00295	30	4	116	10
00296	30	2	88	11
* 20263	24	2	74	10
20264	14	4	56	12
20265	14	1	40	6
20266	14	2	54	7
20267	26	3	82	9
20268	12	2	52	10
20269	16	2	50	12
20270	22	3	74	5
20271	18	4	74	8
20272	12	2	42	5
20273	20	2	54	8
20274	22	1	70	7
20275	28	3	104	4
20276	26	2	78	9
20277	22	3	72	10
20278	30	2	82	8
20279	30	2	82	11
20280	48	2	96	5
20281	52	2	94	10
20282	70	4	102	7



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 55420

TO: Shell Canada Resources Ltd.,  
 Minerals Dept.  
 P.O. Box 100

c.c.- Brad Cooke

INVOICE NO. 37950

RECEIVED August 8, 1980

Calgary, Alta T2P 2H5

ANALYSED August 19, 1980

ATTN: Gordon Moffat Project #3091-U P.O. #927223

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
20283	80	3	132	7
70001	62	6	770	60
70002	10	3	106	2
70003	22	2	68	7
70004	14	2	86	5
70005	50	4	142	20
70006	22	1	20	8
70007	8	1	40	9
70008	28	2	62	12
70009	52	2	160	25
70010	28	4	64	14
70011	62	4	58	70
70012	22	1	34	13
70013	8	1	28	5
70014	12	2	38	7
70015	10	2	32	7
70016	26	2	220	9
70017	30	2	340	8
70018	52	2	660	33
70019	80	4	420	250
70020	80	6	1600	65
70021	20	6	92	14
70022	82	4	900	30
70023	32	4	340	18
70024	510	58	4600	450
70025	42	7	134	32
70026	8	1	38	1
70027	26	2	30	90
70028	68	3	144	20
70029	58	4	88	25
70030	12	2	18	13
70031	8	2	18	4
70032	54	4	98	15
70033	16	2	48	7
70034	8	2	48	1
70035	24	2	126	8
70036	46	3	285	20
70037	220	12	665	35
70038	108	5	680	125
70040	22	2	68	10



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.,  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta. T2P 2H5  
 ATTN: Gordon Moffat Project #3091-U P.O. #PM 927223

c.c.- Brad Cooke

CERTIFICATE NO. 55420-2  
 INVOICE NO. 37950  
 RECEIVED August 8, 1980  
 ANALYSED August 19, 1980

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
20324	14	6	54	60
20325	10	4	48	70
20326	24	2	112	14
20327	12	2	60	30
20328	28	4	60	35
20329	34	4	82	45
20330	26	12	200	28
20331	16	10	78	100
20332	14	7	94	75
20333	10	4	48	40
20334	14	4	64	65
20335	10	4	58	70
20336	14	6	84	175
20337	38	6	102	45
20338	14	4	70	60
20339	8	12	42	30
20340	74	5	114	55
20341	8	3	38	9
20342	8	3	38	8
20343	4	1	20	13
20344	4	2	22	8
20345	6	2	28	17
20346	6	2	40	25
20347	4	1	20	6
20348	12	4	58	8
20349	10	4	52	13
20350	10	6	52	20
20351	8	2	36	8
20352	6	2	28	7
20353	56	4	1100	20
20354	42	7	330	15
20355	38	4	250	11
20356	38	5	174	12
20357	56	4	220	9
20358	74	4	390	11
20359	68	4	230	9
20360	72	5	110	14
20361	58	4	94	8
20362	30	3	112	7
20363	18	4	78	2



MEMBER  
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 ASSOCIATION

CERTIFIED BY: *Hart Biddle*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 55420-3  
INVOICE NO. 37950  
RECEIVED August 8, 1980  
ANALYSED August 19, 1980

TO: Shell Canada Resources Ltd.,  
Minerals Dept.,  
P.O. Box 100  
Calgary, Alta. T2P 2H5  
ATTN: Gordon Moffat Project #3091-U P.O. #PM 927223  
c.c.- Brad Cooke

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
20364	20	4	78	7
20365	24	4	106	5
20366	20	4	132	5
20367	178	4	98	35
20368	40	5	82	11
20369	34	4	54	12
20370	66	6	200	18
20371	34	4	340	13
20372	200	9	2950	25
20373	80	4	2800	70
20374	106	6	2300	12
20375	112	5	3200	28
20376	120	6	1600	45
20377	50	2	82	8
20378	42	5	82	9
20379	22	4	68	11
20380	4	1	28	1
20381	22	2	104	13
20382	22	4	72	45
20383	28	2	116	32



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:

*Hart Biddle*

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 55421

TO: Shell Canada Resources Ltd.,  
 Minerals Dept.  
 P.O. Box 100

c.c.- Brad Cooke

INVOICE NO. 37950

Calgary, Alta. T2P 2H5

RECEIVED August 8, 1980

ATTN: Gordon Moffat Project #3091-U P.O. #PM 927223

ANALYSED August 19, 1980

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
70041	26	2	62	10
70042	24	2	58	9
70043	24	2	60	7
70044	24	2	60	8
70045	34	1	46	1
70046	32	1	62	4
70047	44	1	64	7
70048	18	7	58	11
70049	28	4	62	13
70050A	28	2	68	10
70050B	32	2	66	7
70067	12	1	40	1
70068	22	2	68	1
70069	24	3	24	8
70070	40	2	40	12
70071	34	6	66	25
70072	46	7	158	30
70073	158	4	660	35
70074	44	2	765	30
80001	68	6	102	6
80002	70	12	88	1
80003	24	5	62	20
80004	18	6	60	20
80005	20	4	58	8
80006	38	3	92	9
80007	14	2	60	7
80008	26	2	68	8
80009	60	4	345	100
80010	24	2	88	18
80011	16	1	58	11
80012	22	2	62	20
80013	30	2	66	12
80014	24	1	68	30
80015	38	2	82	7
80016	34	1	64	6
80017	38	2	48	65
80018	230	2	96	>400
80019	26	2	60	1
80020	42	2	68	2
80021	34	2	78	8



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Bielle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221  
AREA CODE: 604  
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 55422  
INVOICE NO. 37950  
RECEIVED August 8, 1980  
ANALYSED August 19, 1980

TO: Shell Canada Resources Ltd.,  
Minerals Dept.  
P.O. Box 100  
Calgary, Alta. T2P 2H5  
ATTN: Gordon Moffat  
c.c.- Brad Cooke

SAMPLE NO. :	PPM Cu	PPM Mo	PPM Zn	PPM W
80022	32	1	66	3
80023	52	4	128	15
80024	46	2	74	55
80025	52	8	98	35
80026	20	13	62	12
80027	16	2	102	9
80028	58	4	112	15
80029	12	3	38	2
80030	20	3	154	9
80031	44	2	250	13
80032	24	2	66	14
80033	22	3	174	13
80034	20	3	94	11
80035	36	2	124	12
80036	26	3	92	9
80037	210	52	630	70
80038	34	2	56	1
80039	66	6	44	10
80040	30	3	68	14
80041	48	6	96	65
80042	64	4	136	16
80043	48	3	124	20
80044	16	2	104	13
80045	20	1	164	13
80046	12	3	58	6
80047	4	2	12	1
80048	34	5	62	8
80049	44	6	74	14
80050	46	8	58	35
80051	48	9	68	35
80052	56	8	38	20
80053	72	9	74	50
80054	42	12	86	30
80055	22	10	24	11
80056	24	8	50	7
80057	22	8	60	6
80058	18	5	52	1
80059	12	7	34	3
80060	18	4	36	6
80061	22	2	54	3



CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Shell Canada Resources Ltd.,  
 Minerals Dept.  
 P.O. Box 100  
 Calgary, Alta. T2P 2H5  
 c.c.- Brad Cooke

ATTN: Gordon Moffat Project #3091-U P.O. #927223

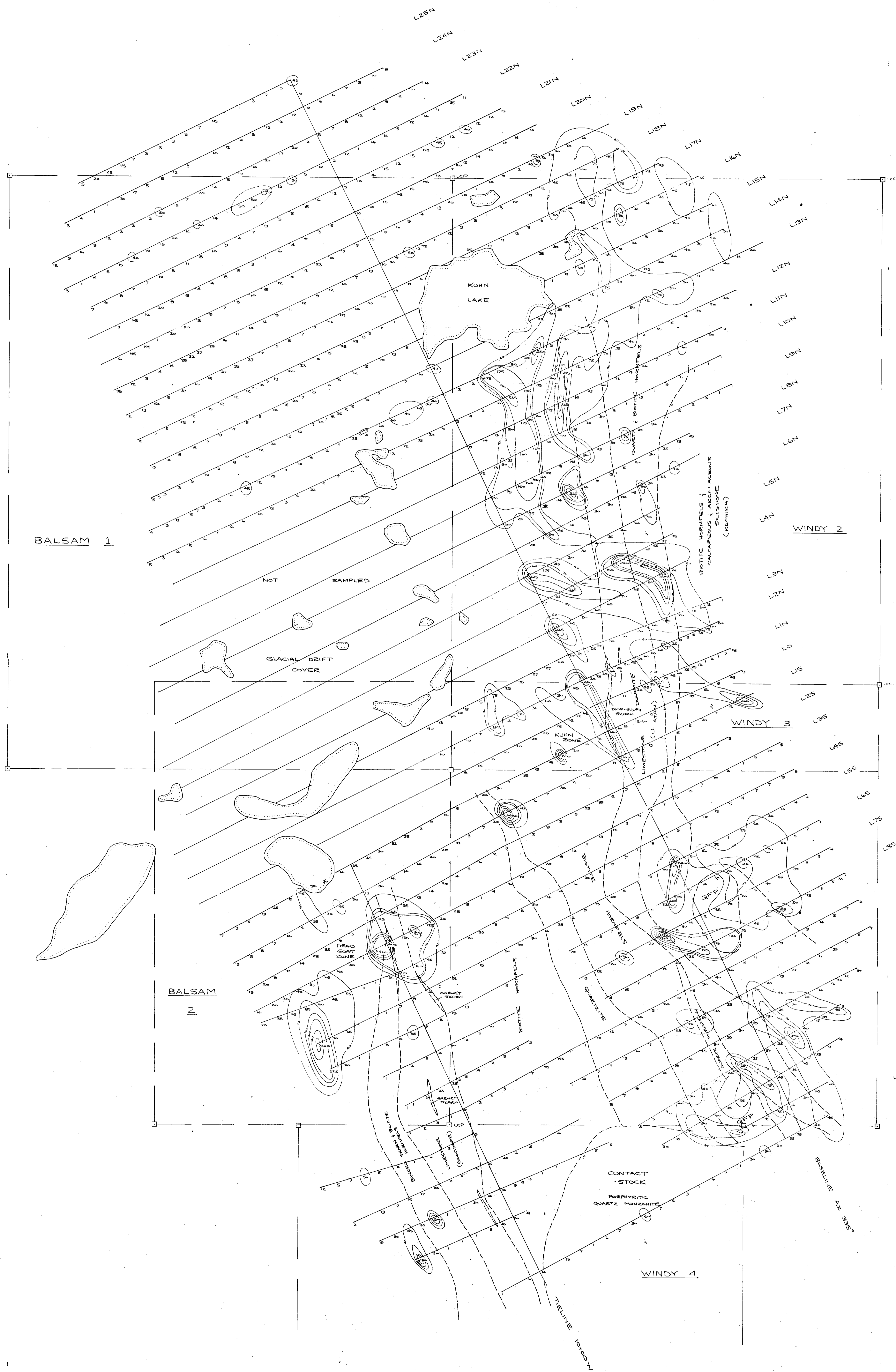
CERTIFICATE NO. 55423  
 INVOICE NO. 37950  
 RECEIVED August 8, 1980  
 ANALYSED August 19, 1980

SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Mo	Zn	W
80062	20	2	64	5
80063	32	2	68	13
80064	22	7	48	40
80065	30	2	30	30
80066	36	5	58	40
80067	32	3	40	20
80068	24	2	28	20
80069	154	16	490	250
80070	24	3	220	35
80071	28	2	134	50
80072	82	2	420	45
80073	340	6	240	175
80074	40	5	54	40
80075	48	4	58	25
80076	48	6	34	25
80077	82	4	50	60
80078	90	6	68	90
80079	38	4	44	70
80080	44	3	48	35
80081	46	3	46	30
80082	162	7	30	100
80083	62	8	78	60
80084	72	4	104	45
80085	98	4	168	75
80086	30	4	118	14



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Biddle*

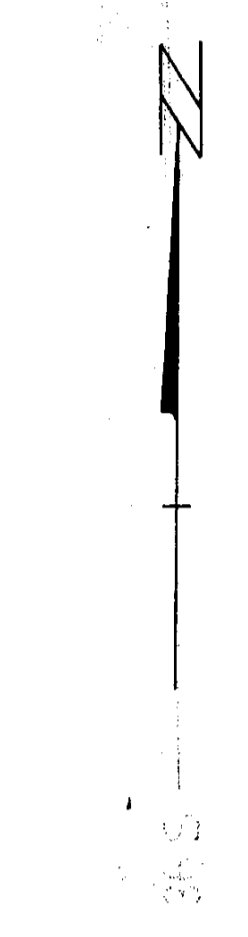
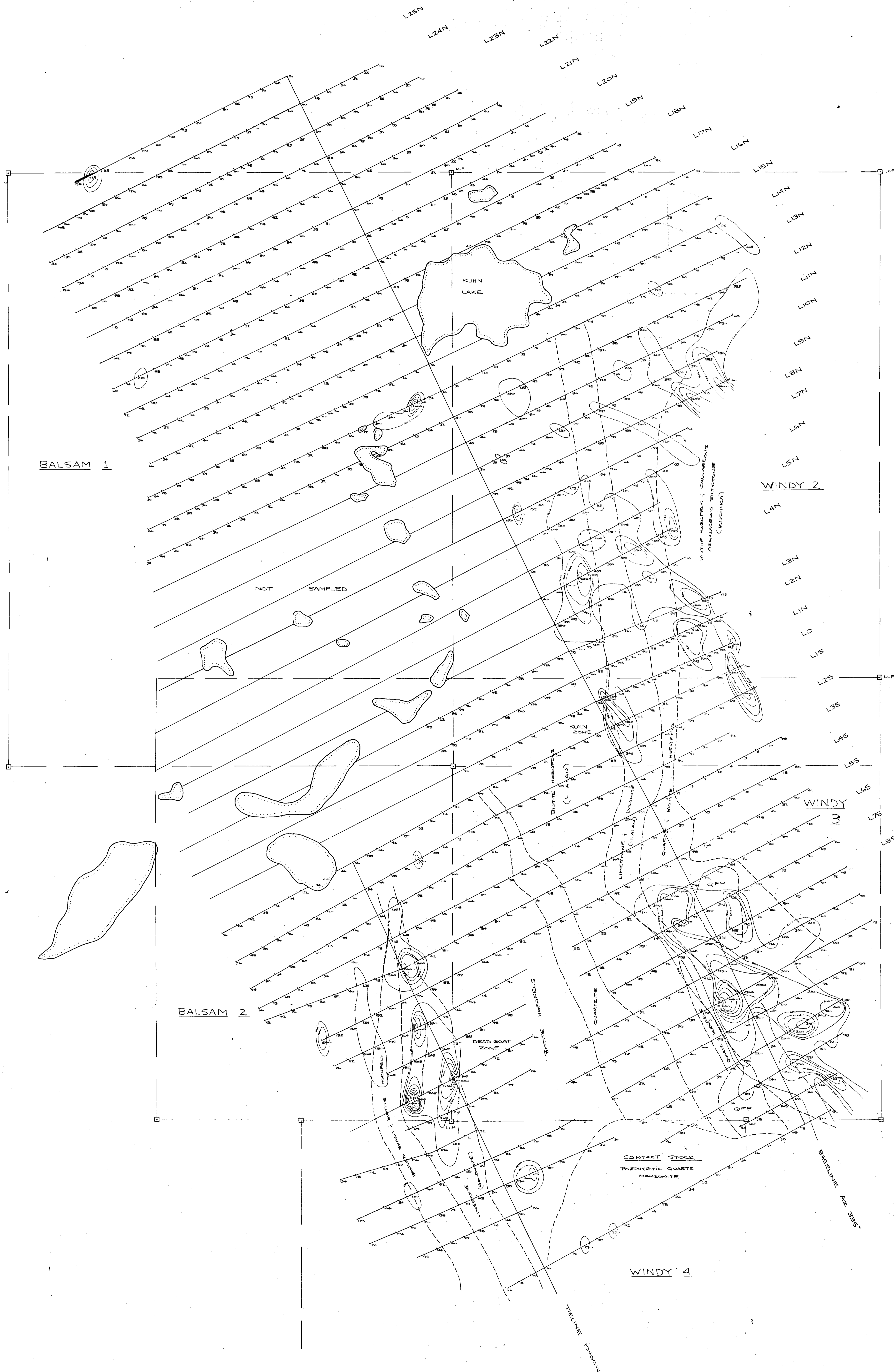


**LEGEND**  
 BACKGROUND W : 30 ppm  
 CONTOUR INTERVAL : 40, 75, 100, 200, 300, 400 ppm  
 TOTAL SAMPLE POPULATION : 1237

FIGURE 3.

SHELL CANADA RESOURCES LIMITED EXPLORATION - MINERALS			
SOIL GEOCHEMISTRY TUNGSTEN			
McDAME PROJECT 2001U			
NTS 104/SW			
AUTHOR: G.W. HOFFPAT	SCALE: 1:5000	DRAWING NO.:	
DATE: 1997	REVISED:	ENCLOSURE NO.:	

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8265**

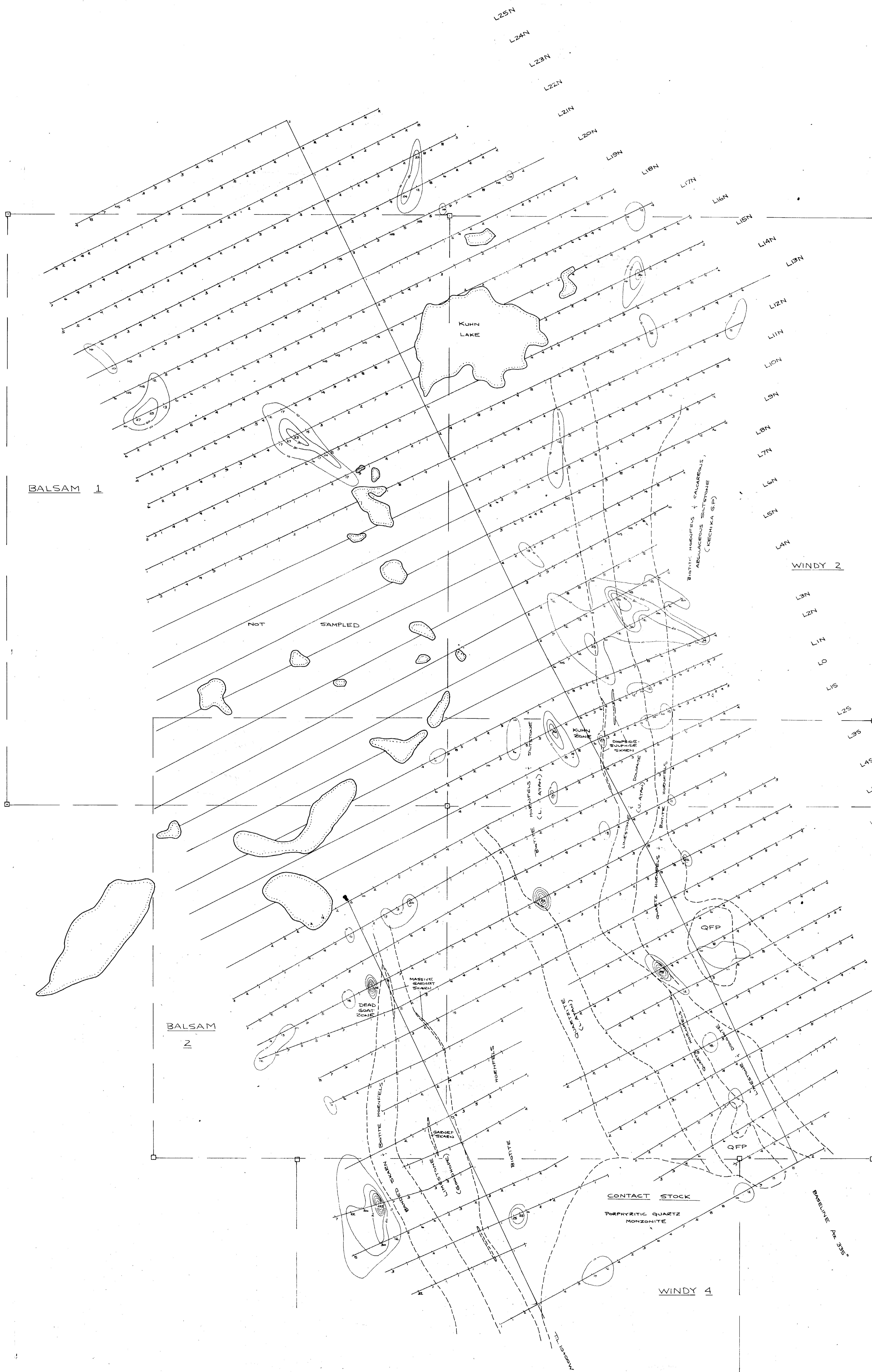


**LEGEND**  
 BACKGROUND Zn : 185 ppm  
 CONTOUR INTERVAL : 200, 400, 600, 800, 2000 ppm  
 TOTAL SAMPLE POPULATION : 1237

FIGURE 4.

SHELL CANADA RESOURCES LIMITED EXPLORATION - MINERALS			
SOIL GEOCHEMISTRY ZINC			
McDAME - PROTECT			
NTS 10419/SW			
AUTHOR: G.W.MORFAT	SCALE: 1:5000	DRAWING NO.:	
DATE: 1990	REVISED:	ENCLOSURE NO.:	

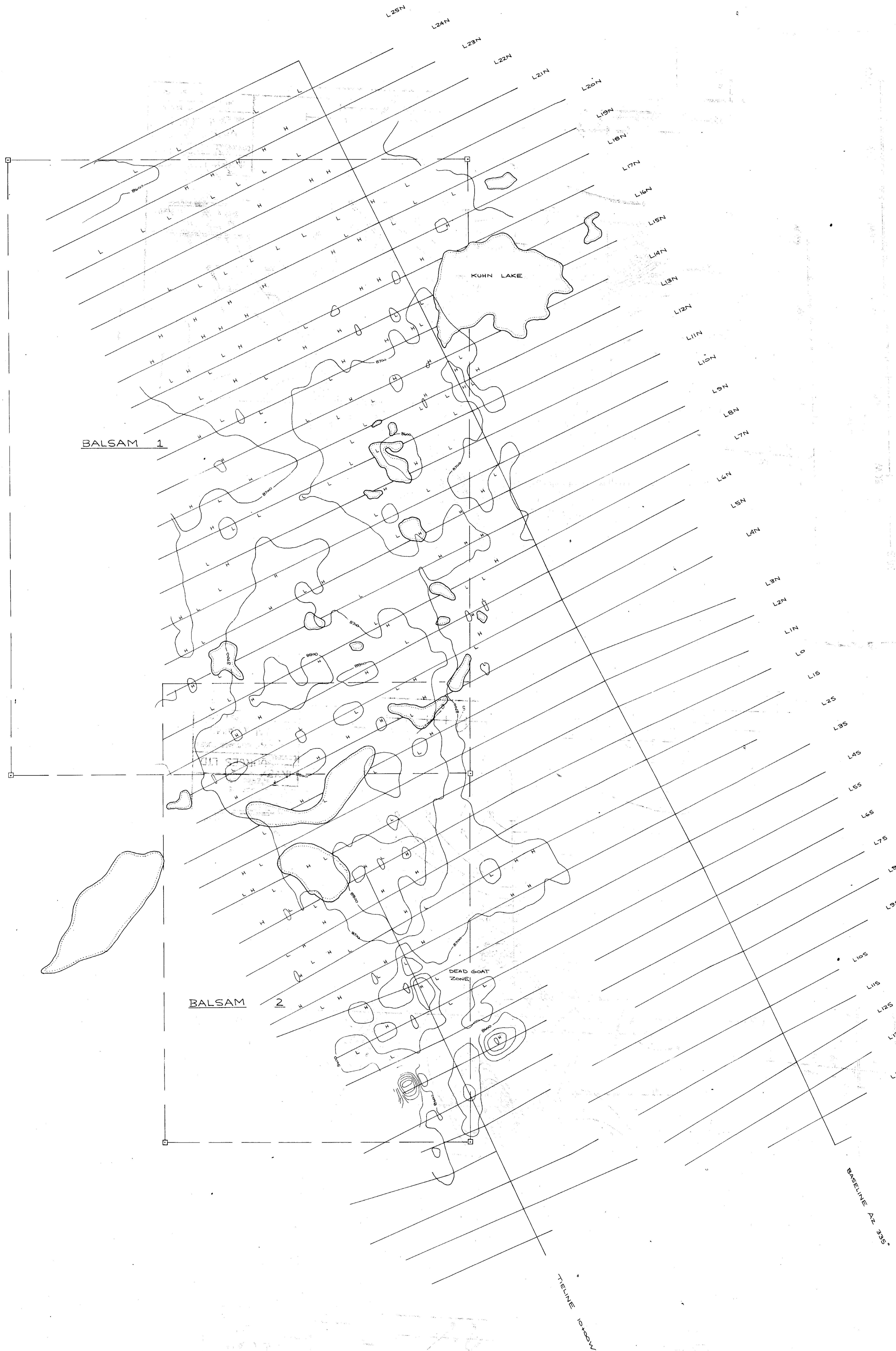
MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8265**



**LEGEND**  
 BACKGROUND: 5 ppm  
 CONTOUR INTERVAL: 10, 20, 30, 40, 50, 100 ppm  
 TOTAL SAMPLE POPULATION: 1237

FIGURE 5  
 SHELL CANADA RESOURCES LIMITED  
 EXPLORATION - MINERALS  
 SOIL GEOCHEMISTRY  
 MOLYBDENUM  
 McDAME PROJECT  
 30914  
 NTS 104P/SW  
 AUTHOR: G.W. HOPKINSON SCALE: 1:50,000 DRAWING NO.:  
 DATE: NOV. 1982 REVISION: 10/82 SHEET NO.:  
 BY: A. J. BROWN

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**8265**  
 NO.



LEGEND  
 CONTOUR INTERVAL: 100 Z  
 TOTAL NO. READINGS: 2560

FIGURE 6.

SHELL CANADA RESOURCES LIMITED  
 EXPLORATION - MINERALS  
 TOTAL FIELD MAGNETICS  
 BALSAM 1 & 2 CLAIMS  
 M. DAME PROJECT  
 3091 U  
 NTS 104 P/SW

AUTHOR: G.W. HOFFERT SCALE: 1:50,000 DRAWING NO.:  
 DATE: 1967-1968 REVISION: ENCLOSURE NO.:  
 BY: Assembly

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8265**  
 NO.