

1991 Summary Report
on the
Ket 1 Group
(Ket 1, Ket 2, and Ket 3 Claims)

Greenwood Mining Division
British Columbia

North Latitude 49°01' West Longitude 118°58'

NTS 82E/2W

Prepared for
Crownex Resources (Canada) Ltd.

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V6C 1S4

Prepared by
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January 1992

2217A

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,174

1991 SUMMARY REPORT ON THE KET 1 GROUP

1.0 INTRODUCTION

1.1 Summary

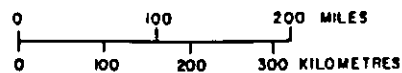
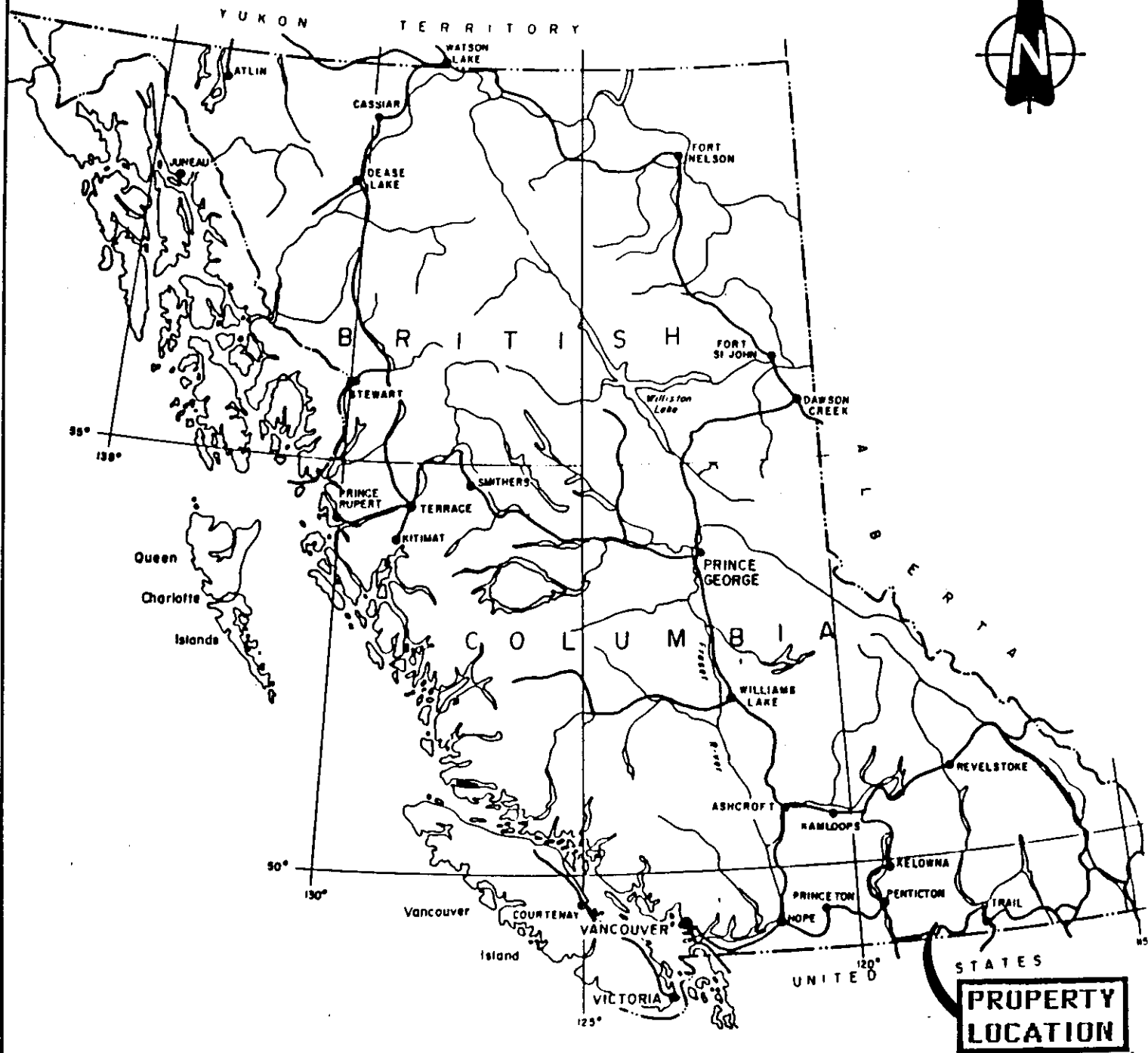
The 1991 exploration program on the Ket 1 group (Ket 1, 2 & 3 claims), was conducted during August and September, 1991. Work consisted of reconnaissance and detailed prospecting in conjunction with rock and soil sampling. The southwest portion of the Ket 3 claim and the middle-southwest part of the Ket 1 claim were the main targets for exploration. A traverse was run along the railbed where it passes through the northern portion of the Ket 2 claim in order to acquaint the crew with last years work.

Two rock samples (JK04R & JK22R) returned weakly anomalous values for gold and three spot anomalies were identified in the soils (2S:0+75, 2S:2+75 and 2S:08+50E). Samples taken in the northeast corner of Ket 1 were slightly anomalous in copper and zinc (CR48R & D62R) and showed barium and nickel enrichment.

Further work on the Ket 1 Group is recommended due to the close proximity to and similar lithology of the Crown Jewel deposit, located four kilometers to the south.

1.2 Location and Access

The Ket 1 group of claims is located between the Edelweiss Motel at Rock Creek, British Columbia, and the Canada-USA border, due south of the motel. The claims are centred at approximately 49°01' north latitude and 118°58' west longitude, in the extreme southwest



CROWN RESOURCES CORP.			
KET 1 GROUP			
PROPERTY LOCATION MAP			
GREENWOOD MINING DIVISION			
COAST MOUNTAIN GEOLOGICAL LTD.			
DRAWN BY: B.K.	NTS: 62E/2W	DATE: FEBRUARY, 1991	FIGURE: 1

corner of the NTS 82E/2 mapsheet (Figure 1).

Access to the claims is via the Starr Anchor Ranch Road, Dolomite Quarry Road, Myers Creek Forest Service Road, or the Harpur Ranch Road.

1.3 Physiography and Climate

Myers Creek flows in an easterly direction, dividing the claim group into two sections. South of Myers Creek, a conifer covered mountainous terrain slopes to the south, while the claims open up to grass covered rolling hills to the north of Myers Creek.

The climate is characterized by hot, dry summers and mild winters with little precipitation.

Local relief varies from an elevation of 700 meters at the motel near the Kettle River to approximately 1400 meters at a peak five kilometres south of the motel near the southern border of the Ket 1 claim.

1.4 Property Description

The Ket 1 group is located within the Greenwood Mining Division of southern British Columbia (Figure 2). It is comprised of three claims totalling 49 units, and covers an area of approximately 1225 hectares.



Bradesville 16 km

ROCK CREEK PROV PARK

KET 1 GROUP

KET 3
KET 2
KET 1

SCALE 1:50,000
500 0 500 1000 2000
METERS

CROWN RESOURCES CORP.
KET 1 GROUP
CLAIM MAP
GREENWOOD MINING DIVISION
UK **COAST MOUNTAIN GEOLOGICAL LTD.**

DRAWN BY: B.K.	NTS: 82E/2W	DATE: FEBRUARY, 1991	FIGURE: 2
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49°00'

119°00'

55'10

61

Crownex Resources (Canada) Ltd., a subsidiary of Crown Resources Corp. of Denver, Colorado, USA, is the registered owner of the claims. Table 1 summarizes the pertinent claim data.

TABLE 1 : CLAIM STATUS - KET 1 GROUP

<u>Claim Name</u>	<u>Tenure No.</u>	<u>Units</u>	<u>Expiry Date*</u>
Ket 1	215182	9	29/11/92
Ket 2	215183	20	29/11/92
Ket 3	215184	20	30/11/92

* Pending acceptance of this report.

1.5 Property History

Dolomite is presently being mined at the Mighty White Dolomite quarry located just outside of the eastern boundary of the Ket 2 claim.

The area in the vicinity of the claim group has a record of exploration dating back to the turn of the century. Many trenches, shafts and adits were dug by independent prospectors, and most are without any record of work. The most significant work in the area were the placer deposits of Rock Creek and McKinney Creek, and the mines of Camp McKinney, located 11 kilometers north of the subject property, and worked from 1894 to 1962.

In the 1960's and 1970's numerous magnetometer, VLF-EM and soil geochemistry surveys were carried out, concentrating primarily on Cu-Ni deposits. Later surveys in the area concentrated on attempting to locate and delineate potential vent areas in the

Kettle River Volcanics as a possible site for mineralization. In the late 1980's, exploration in the Buckhorn Mountain skarn system, to the south of the claims in Washington State, produced significant results.

A regional airborne magnetometer and VLF-EM survey was conducted over the area in 1989 by Terraquest Ltd. of Toronto, for Crown Resources Corp. (Basil, 1990).

No extensive metallic mines or prospects were noted on the claims, and the author is not aware of any records of such. The closest workings, known as the Bob Cowan prospects, are west of the Ket 1 claim to the east of the Harpur Ranch headquarters. Five kilometres south of Ket 1, on the American side of the border, lay the Magnetic Mine and the Crown Jewel gold skarn deposits.

1.6 1991 Work Program

A total of 11 field days were spent on the Ket 1 group performing the following work:

- a) Reconnaissance and detailed prospecting/rock sampling of the southwest portion of the Ket 3 and the middle-southwest part of the Ket 1 claims.
- b) Geological mapping
- c) Soil sampling on the Ket 1 claim

During the course of the program a total of 62 soil, 1 silt, and 43

rock samples were collected (Figures 6 & 7). Table 2 lists the Crown Resources and Coast Mountain Geological Ltd. personnel who worked on the property in the 1991 program.

TABLE 2: PERSONNEL

C.J. Ridley.....	Geological Technician/Prospector
J. Kemp.....	Prospector
R. Miller.....	Geologist
D. Ridley.....	Geological Technician/Prospector

2.0 GEOLOGY and GEOCHEMISTRY

2.1 Regional Geology

Metasedimentary, intrusive, and extrusive igneous rocks are found regionally ranging in age from late Palaeozoic to middle Eocene (Figure 3). Pleistocene and Recent till, sand, gravel, and silts are well developed in valley floors.

The Carboniferous (Permian?) rocks are tightly folded and faulted along a regional northwest to northeast trend that is terminated, at times, by strong east-west faulting.

2.2 Property Geology

Greenstone, amphibolite, massive chert, argillite, quartzite, siltstone, dolomitic marble and minor conglomerate, all belonging to the Carboniferous or older Knob Hill Group, make up the majority of the rocks in the Ket 1 Group (Figure 7). The Knob Hill group is cut by granodiorite and minor diorite of the Jurassic-Cretaceous aged Nelson Batholith. The Nelson plutonic rocks intrude into the



SCALE 1 : 250,000



KILOMETERS

CROWN RESOURCES CORP.

KET 1 GROUP
REGIONAL GEOLOGY MAP

GREENWOOD MINING DIVISION

COAST MOUNTAIN GEOLOGICAL LTD. *WR*

DRAWN BY: B.K.	NTS: 82E/2W	DATE: FEBRUARY, 1991	FIGURE: 3
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- Ek** KITLEY LAKE FORMATION: massive, yellowish to buff, trachyte to trachyandesite; diopside and biotite gnomonocrysts to 3 cm (10% of the rock) in a fine crystalline groundmass; includes ash flow tuff and minor mudstone; includes undifferentiated intrusive equivalents. Church determined K-Ar ages between 52.9 (biotite) and 44.2 Ma (whole-rock)
- Eyl** YELLOW LAKE FORMATION: massive to thick, tabular flows of buff to light tan pyroxene-rich, mafic phonite locally with rhomb anorthoclase phenocrysts and primary andesite, abundant zeolite fills cracks and amygdalae; includes undifferentiated intrusive equivalents
- Esb** SPRINGBROOK FORMATION: poorly sorted, massive to thick bedded, immature, coarse boulder and pebble conglomerate. Clasts to 50 cm are rounded, but of low sphericity and are locally derived (chert, greenstone, granite, and other pre-Eocene rocks with fewer Maroon Group clasts, mainly Yellow Lake and Kitley formations). Near Rock Creek this unit consists of white to light grey, medium bedded, feldspathic sandstone, siltstone and shale with coaly partings, named the Little River Formation.
- CRETACEOUS AND OR JURASSIC**
- JKg** OKANAGAN BATHOLITH: massive, light grey weathering, medium- to coarse-grained, equigranular to porphyric, unfoliated to weakly foliated, fresh biotite granodiorite and granite; includes undifferentiated granodiorite of the Nelson suite; age poorly constrained
- MIDDLE JURASSIC**
- mJg** NELSON PLUTONIC ROCKS: massive, generally moderately foliated, medium grey weathering, medium- to coarse-grained, equigranular, hornblende-biotite granodiorite, quartz diorite and granite; includes undifferentiated biotite granite of the Valhalla suite; age poorly constrained
- CARBONIFEROUS OR PERMIAN**
- CPk** KNOCB HILL GROUP: massive "chert" (largely silicified greenstones), greenstone and amphibolite; minor limestone or marble, minor "sandstone"; age unknown
- CARBONIFEROUS OR OLDER**
- CPa** ANARCHIST GROUP: dark grey weathering, recessive, amphibolite, greenstone, quartz-chlorite schist, quartz diorite schist, minor serpenitine gneissite, "chert" breccia that resembles Trbc is locally included. CPa= gneissite and serpenitized equivalents. CPa= amphibolite; age unknown

PROPERTY LOCATION

lower southwest portion of the Ket 1 & 2 claims, and also appear as rare scattered dykes (?) throughout the claim group.

Dolomite and minor skarn of the Triassic age Brookline Formation appear along the middle eastern border of the Ket 2 claim - the Mighty White dolomite mine is situated in this unit just east of the property boundary.

Minor outcrops of Eocene age Marron Formation intrusive rocks are observed along the extreme eastern border of the Ket 1 & 2 claims. The intrusives tend to be mainly alkaline syenite, locally referred to as rhomb-porphry. Conglomerates, cherts and limestones of the Eocene age Kettle River Formation were observed in the northwest corner of the Ket 3 claim.

2.3 Structure

The predominant structural feature is the fairly consistent northerly dip of the Knob Hill Group rocks. The dip tends to be steep near the granodiorite contact and becomes less steep to the north away from the contact. Minor faulting can be observed in a north south drainage west of the dolomite quarry.

Based on the available geology and structural trends south of the international boundary on Buckhorn Mountain, the Ket 1 Group may cover the north dipping end of an antiform structure.

2.4 Mineralization and Associated Alteration

Disseminated and veinlet pyrite and/or pyrrhotite appears to be associated with greenstone and metasiltsstones. Magnetite occurrences correlate fairly well with rhomb-porphry intrusives. Disseminated pyrite is found in close proximity to the granodiorite contact aureole as mostly euhedral grains (usually but not exclusively in the hornfels). At the Buckhorn deposit to the south of the claims, the hornfels near the ore zone at the granodiorite contact return low (30 ppb) but consistent gold values.

Silicification along the granodiorite-metasediment contact and minor skarn development along the north west side of the dolomite quarry were noted.

2.5 Geochemistry

A total of 43 rocks, 62 soils, and 1 silt samples were collected from the property in 1991. The samples were shipped to Chemex Labs Ltd. in Vancouver B.C. for analysis. Analytical results and procedures are presented in Appendix D.

Soil Geochemistry

The area is characteristic of soil horizons found in semi-arid climates. Along the survey line, a thin humus layer above a poorly developed and leached 'C' horizon was characteristic for the bulk of the sample sites. Occasionally a thin, poorly developed 'B' horizon was encountered.

Three soil samples returned detectable gold values, the high being 30 ppb gold at station 2+75E (Figure 6). Spot anomalous values in zinc and arsenic also occur, yet appear to bear no relationship to gold values.

Rock Geochemistry

Two rock samples, JK04 and JK22, returned low anomalous values for gold. Samples taken in the northeast corner of the Ket 1 claim were slightly anomalous in copper and zinc (CR48 and D62), and showed barium and nickel enrichment.

3.0 DISCUSSION

The 1990 and 1991 exploration programs have demonstrated that the geology and geologic relationships at the Crown Jewel deposit on Buckhorn Mountain, some 4 to 6 kilometers south of the Ket 1 group, extend onto the property.

4.0 CONCLUSIONS and RECOMMENDATIONS

Surface rock and soil sampling to date have yielded inconclusive results, returning local slightly anomalous gold values. Test fixed line ground magnetics performed in 1990 generally supported the airborne magnetics with the exception that higher isolated ground magnetic signatures were obtained from areas where the airborne magnetic signatures were relatively uniform. This may suggest that deep seated magnetic bodies with low magnetic surface profiles could lie at depth. The following recommendation should

be implemented to determine the mineral potential of the Ket 1 Group:

i) A program of ground geophysics should be conducted over the granodiorite-metasediment contact. As the exploration target is a gold skarn and/or gold replacement type deposit at depth, a reconnaissance magnetometer/VLF-EM survey is recommended with a 200 metre line separation. A gradient magnetometer survey may be utilized to discern flat or slightly dipping targets at depth.

ii) Granodiorite from the Ket 1 claim should be dated (argon-argon method ?) to verify suspected age similarities with the Crown Jewel deposit to the south of the Canadian border.

iii) The skarn appearing along the eastern portion of the Ket 2 claim near the dolomite quarry should also be dated to see if it is contemporaneous with the Jurassic event responsible for the Crown Jewel skarn, or a result of a Tertiary event.

iv) Detailed structural and geological mapping should be conducted along the railbed and towards Myers Creek at the southwest corner of the Ket 1 claim to determine if there are any trends in the area preventing the geology of the

Crown Jewel deposit from continuing upwards into the Ket 1
Group.

Sincerely submitted,

A handwritten signature in black ink, appearing to read 'Willie Kushner', with a long horizontal flourish extending to the right.

Willie Kushner, B.Sc. Geology
Coast Mountain Geological Ltd.

APPENDIX A
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, WILLIAM R. KUSHNER, of P.O. Box 1, Station 'A', Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Geologist in the employment of Coast Mountain Geological Ltd. with offices at 1410-650 West Georgia Street, Vancouver, British Columbia.
2. THAT I am a graduate from the University of Alberta with a bachelor of Science degree in Geology (1987).
3. THAT my primary employment since graduation has been in the field of mineral exploration.
4. THAT this report is based on field work conducted by Coast Mountain Geological Ltd. on the Ket 1 Group property during August and September, 1991, and on information from government publications and reports filed with the Government of British Columbia.
5. THAT I did not work on the subject property.
6. THAT I do not own or expect to receive any interest in the property described herein, nor in any securities of any company rendered in the preparation of this report.

DATED at Vancouver, British Columbia, this 14th day of February, 1992.



William R. Kushner, B.Sc.
Geologist

APPENDIX B
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

PERSONNEL

Geologist: B. Miller, 2 days @ \$300/day	600.00
Geological Technicians:	
D. Ridley, 1 days @ \$240.00/day	240.00
C. Ridley, 4.5 days @ \$225.00/day	1012.50
Prospector: J. Kemp, 3.5 days @ \$190/day	665.00

VEHICLE

Truck Rental: 4.5 days @ \$35/day	157.50
Mileage: 105 kms. @ \$0.35/km	36.75

SAMPLE ANALYSIS

43 rocks @ \$15.00/sample	645.00
62 soils @ \$10.00/sample	620.00
1 silt @ \$10.00/sample	10.00

ROOM and BOARD

Accomodation	230.00
Food	125.00

EXPENSES

Communicaytions	8.25
Field Expendables	37.00

REPORT PREPARATION

615.00

Subtotal	5002.00
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13.5% MANAGEMENT FEE

675.27

7% GST

397.00

TOTAL COSTS	6074.68
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APPENDIX C
REFERENCES

REFERENCES

Basil, Chris, 1990. Airborne Magnetic and VLF-EM Survey Report on the Ket 1-22 and Ket 24-32 Mineral Claims, Assessment Report for Crown Resources Corp.

Geological Survey of Canada, Map 15-1961, Kettle River, British Columbia, Sheet 82E West Half Scale 1:253,440.

Kushner, W.R., 1991. Summary Report on the Ket 1 Group, Assessment Report for Crown Resources Corp.

Miller, B. and W. Kushner, 1991. 1990 Summary report on the Homestake and Daisy Fraction Claims, Assessment Report for Crown Resources Corp.

Templeman, Kluit, D.S., 1989. Geology, Penticton, British Columbia, Geological Survey of Canada, Map 1736A, 1:250,000 Scale.

APPENDIX D
CERTIFICATE OF ANALYSIS
and
ANALYTICAL PROCEDURES

SOIL SAMPLING and PREPARATION

The soil grid was measured using hip chains and topo-fill thread. It was not slope corrected. A mattock was used to dig a hole in the soil at each station; soil samples were taken from the 'B' soil horizon, approximately 10 - 15 centimetres deep, unless stated otherwise. The samples were collected in kraft gusseted paper bags and sent to Chemex Labs Ltd. of North Vancouver, B.C., for analysis. At Chemex, the samples were oven dried at 60°C and sieved to minus 80 mesh.

ROCK SAMPLING and PREPARATION

Rock samples were taken from bedrock, except in cases where the sample is identified as a float sample. The rock chips were collected in plastic bags and also sent to Chemex Labs, where they were crushed to 3/16 of an inch. A 250 gram specimen was split out and pulverized to 99% minus 100 mesh using a ring mill pulverizer.

ICP ANALYSIS

A 0.50 gram sample of the prepared pulp is digested with 3 millilitres of 3:1:2 HCl-HNO₃-H₂O at 95°C for one hour, diluted to 10 millilitres with water, and then analyzed for 30 elements.

GOLD ANALYSIS (Fire Geochem)

10 grams of pulp is ignited at 600°C for 4 hours and fused with F.A. flux. The dore bead is dissolved in aqua regia and analyzed by ICP.

GOLD ANALYSIS (AA)

A 10 gram sample is ignited at 600°C for 4 hours and digested with aqua regia at 95°C on the water bath for one hour. 50 millilitres aliquote is extracted into 10 millilitres of MIBK and analyzed by graphite furnace AA.



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: CROWN RESOURCE CORPORATION
SEVENTEENTH STREET PLAZA
1225 17TH ST., STE. 1500
DENVER, COLORADO
80202

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Certificate Date: 29-AUG
Invoice No. :191202
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Project : MIDWAY
Comments: ATTN: CHRIS HERALD CC: J. SHANNON CC: R. MILLER CC: M. SAWIUK

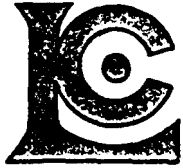
CERTIFICATE OF ANALYSIS

A9120287

SAMPLE DESCRIPTION	FREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91KT1 2S 0+00ES	201 298	< 5	< 0.2	1.44	10	200	< 0.5	< 2	0.62	< 0.5	5	12	20	1.46	< 10	< 1	0.09	10	0.24	104
91KT1 2S 0+25ES	201 298	< 5	< 0.2	1.57	< 5	160	< 0.5	< 2	0.55	< 0.5	6	22	19	1.78	< 10	< 1	0.23	20	0.37	43
91KT1 2S 0+50ES	201 298	< 5	0.2	1.51	5	130	< 0.5	< 2	0.69	< 0.5	7	22	24	1.98	< 10	< 1	0.23	20	0.41	39
91KT1 2S 0+75ES	201 298	10	< 0.2	2.22	15	200	< 0.5	< 2	0.58	0.5	8	20	22	2.28	< 10	< 1	0.28	20	0.44	86
91KT1 2S 1+00ES	201 298	< 5	0.4	1.53	10	140	< 0.5	< 2	1.32	< 0.5	8	28	23	2.13	< 10	< 1	0.23	20	0.45	43
91KT1 2S 1+25ES	201 298	< 5	< 0.2	2.58	15	160	< 0.5	< 2	0.58	1.0	8	14	18	2.98	< 10	< 1	0.17	10	0.51	157
91KT1 2S 1+50ES	201 298	< 5	< 0.2	1.85	< 5	160	< 0.5	< 2	0.57	0.5	8	32	20	2.41	< 10	< 1	0.29	20	0.59	77
91KT1 2S 1+75ES	201 298	< 5	< 0.2	1.46	< 5	270	< 0.5	< 2	0.69	0.5	5	16	20	1.47	< 10	< 1	0.11	10	0.23	112
91KT1 2S 2+00ES	201 298	< 5	< 0.2	2.17	5	170	< 0.5	< 2	0.40	< 0.5	8	28	18	2.28	< 10	< 1	0.21	20	0.41	50
91KT1 2S 2+25ES	201 298	< 5	0.2	2.02	90	130	< 0.5	< 2	0.63	0.5	8	26	22	2.16	< 10	< 1	0.19	20	0.40	51
91KT1 2S 2+50ES	201 298	< 5	< 0.2	1.18	5	160	< 0.5	< 2	0.88	0.5	8	17	31	1.44	< 10	< 1	0.13	10	0.25	42
91KT1 2S 2+75ES	201 298	30	< 0.2	1.44	5	100	< 0.5	< 2	0.59	< 0.5	9	37	37	2.82	< 10	< 1	0.12	20	0.60	32
91KT1 2S 3+00ES	201 298	< 5	< 0.2	1.48	< 5	160	< 0.5	< 2	0.72	0.5	9	24	36	1.89	< 10	< 1	0.13	20	0.33	40
91KT1 2S 3+25ES	201 298	< 5	< 0.2	1.45	5	160	< 0.5	< 2	0.67	< 0.5	10	35	42	2.63	< 10	< 1	0.21	20	0.54	40
91KT1 2S 3+50ES	201 298	< 5	< 0.2	1.98	5	180	< 0.5	< 2	0.42	0.5	12	32	35	3.01	< 10	< 1	0.20	20	0.55	47
91KT1 2S 3+75ES	201 298	< 5	< 0.2	1.95	5	180	< 0.5	< 2	0.41	0.5	9	24	26	2.52	< 10	< 1	0.20	20	0.44	45
91KT1 JK 11S	201 298	< 5	< 0.2	1.40	15	80	< 0.5	< 2	0.39	< 0.5	10	40	49	2.99	< 10	< 1	0.11	20	0.54	28
91KT1 JK 14S	201 298	< 5	< 0.2	1.29	< 5	130	< 0.5	< 2	0.59	< 0.5	5	18	23	1.59	< 10	< 1	0.11	20	0.29	23

CERTIFICATION:

B. Cough



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

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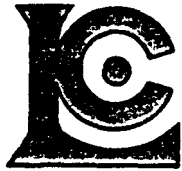
CERTIFICATE OF ANALYSIS

A9120287

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
91KT1 2S 0+00ES	201	298	< 1	0.04	4	1830	20	< 5	1	76	0.06	< 10	< 10	25	< 10	88
91KT1 2S 0+25ES	201	298	< 1	0.03	10	1010	6	< 5	2	66	0.08	< 10	< 10	31	< 10	50
91KT1 2S 0+50ES	201	298	< 1	0.02	12	950	8	< 5	3	87	0.08	< 10	< 10	35	< 10	56
91KT1 2S 0+75ES	201	298	< 1	0.03	10	1170	16	< 5	4	73	0.11	< 10	< 10	38	< 10	88
91KT1 2S 1+00ES	201	298	< 1	0.03	17	640	8	< 5	3	89	0.10	< 10	< 10	39	< 10	54
91KT1 2S 1+25ES	201	298	1	0.04	8	1430	34	< 5	4	77	0.09	< 10	< 10	32	< 10	106
91KT1 2S 1+50ES	201	298	< 1	0.04	13	1210	8	< 5	4	64	0.12	< 10	< 10	43	< 10	66
91KT1 2S 1+75ES	201	298	< 1	0.04	7	1610	10	< 5	2	78	0.07	< 10	< 10	25	< 10	118
91KT1 2S 2+00ES	201	298	< 1	0.03	17	950	4	< 5	4	59	0.12	< 10	< 10	41	< 10	72
91KT1 2S 2+25ES	201	298	< 1	0.03	15	550	8	< 5	3	75	0.11	10	< 10	36	< 10	60
91KT1 2S 2+50ES	201	298	1	0.03	15	1490	6	< 5	1	80	0.04	< 10	< 10	22	< 10	100
91KT1 2S 2+75ES	201	298	1	0.02	29	930	10	< 5	3	65	0.11	< 10	< 10	47	< 10	76
91KT1 2S 3+00ES	201	298	< 1	0.02	19	1800	6	< 5	1	67	0.06	10	< 10	28	< 10	96
91KT1 2S 3+25ES	201	298	< 1	0.01	27	1180	6	< 5	3	64	0.08	< 10	< 10	38	< 10	92
91KT1 2S 3+50ES	201	298	1	0.02	26	1010	6	< 5	3	63	0.09	< 10	< 10	41	< 10	104
91KT1 2S 3+75ES	201	298	< 1	0.02	22	1040	4	< 5	2	64	0.09	< 10	< 10	36	< 10	94
91KT1 JK 11S	201	298	1	0.01	35	450	4	< 5	4	60	0.13	< 10	< 10	51	< 10	110
91KT1 JK 14S	201	298	< 1	0.04	14	410	4	< 5	2	64	0.09	< 10	< 10	28	< 10	54

CERTIFICATION:

B. Cough



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: CROWN RESOURCE CORPORATION
 SEVENTEENTH STREET PLAZA
 1225 17TH ST., STE. 1500
 DENVER, COLORADO
 80202

Page Number :1-A
 Total Pages :1
 Certificate Date: 29-AUG
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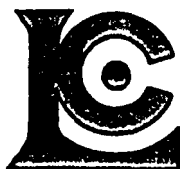
Project : MIDWAY
 Comments: ATTN: CHRIS HERALD CC:J. SHANNON CC:R. MILLER CC:M. SAWIUK

CERTIFICATE OF ANALYSIS A9120288

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91KT1 CR 03R	205 294	< 5	< 0.2	0.17	35	20	< 0.5	< 2	2.09	< 0.5	99	767	4	4.65	< 10	< 1	< 0.01	< 10	6.49	325
91KT1 CR 04R	205 294	< 5	0.6	1.32	< 5	150	< 0.5	< 2	11.25	< 0.5	11	35	33	4.12	< 10	< 1	0.15	< 10	1.53	1000
91KT1 CR 05R	205 294	< 5	0.4	0.45	< 5	410	< 0.5	< 2	0.11	< 0.5	2	308	14	0.72	< 10	< 1	0.20	< 10	0.24	60
91KT2 CR 01R	205 294	< 5	< 0.2	1.32	20	3790	< 0.5	< 2	0.16	< 0.5	3	221	70	2.09	< 10	< 1	0.14	10	0.62	90
91KT2 CR 02R	205 294	< 5	< 0.2	2.91	< 5	480	< 0.5	< 2	0.60	< 0.5	< 1	1705	91	9.86	< 10	1	0.99	10	1.38	370
91KET1 JK 05R	205 294	< 5	0.8	4.80	< 5	60	< 0.5	< 2	5.69	< 0.5	28	136	22	4.66	< 10	< 1	< 0.01	< 10	5.15	885
91KET1 JK 06R	205 294	< 5	< 0.2	2.75	10	390	< 0.5	< 2	0.44	< 0.5	16	93	71	5.45	< 10	< 1	0.40	< 10	2.01	465
91KET1 JK 07R	205 294	< 5	< 0.2	2.72	5	100	< 0.5	< 2	1.50	< 0.5	22	70	22	5.99	< 10	< 1	0.29	< 10	2.32	830
91KET1 JK 08R	205 294	< 5	< 0.2	1.54	< 5	90	< 0.5	< 2	0.82	< 0.5	4	93	2	2.32	< 10	< 1	0.57	20	0.93	420
91KET1 JK 09R	205 294	< 5	< 0.2	1.44	< 5	60	< 0.5	< 2	0.95	< 0.5	4	124	4	2.24	< 10	< 1	0.32	20	0.82	440
91KET1 JK 10R	205 294	< 5	0.8	1.33	< 5	110	< 0.5	< 2	2.44	< 0.5	4	85	1	2.02	< 10	< 1	0.31	30	0.68	585
91KET1 JK 12R	205 294	< 5	< 0.2	1.66	< 5	140	< 0.5	< 2	0.76	< 0.5	5	129	1	2.34	< 10	< 1	0.55	20	0.89	410
91KET1 JK 13R	205 294	< 5	< 0.2	1.62	< 5	600	< 0.5	< 2	0.28	< 0.5	7	86	68	2.51	< 10	< 1	0.31	10	0.87	165
91KET1 JK 15R	205 294	< 5	< 0.2	3.02	< 5	240	< 0.5	< 2	1.57	< 0.5	7	59	2	5.02	< 10	< 1	1.35	10	2.04	790
91KET1 JK 16R	205 294	< 5	< 0.2	3.59	25	200	0.5	< 2	3.00	< 0.5	10	34	38	5.97	< 10	< 1	0.51	10	2.05	1070
91KET1 JK 17R	205 294	< 5	< 0.2	2.64	265	210	1.5	< 2	0.46	0.5	8	79	3	4.98	< 10	< 1	0.65	30	1.55	1170
91KET1 JK 18R	205 294	< 5	0.4	1.97	< 5	70	< 0.5	< 2	1.65	< 0.5	13	269	28	2.39	10	< 1	0.41	10	1.88	350
91KET1 JK 19R	205 294	< 5	< 0.2	1.44	5	560	0.5	2	0.13	< 0.5	1	49	24	1.52	< 10	< 1	0.29	10	0.50	140
91KET1 JK 20R	205 294	< 5	< 0.2	3.11	< 5	140	1.5	< 2	0.39	< 0.5	14	97	42	4.97	< 10	< 1	0.17	10	1.84	400
91KET1 JK 21R	205 294	< 5	< 0.2	2.76	< 5	260	0.5	< 2	0.30	< 0.5	13	88	48	4.53	< 10	< 1	0.31	< 10	1.70	390
91KET1 JK 22R	205 294	15	< 0.2	2.62	< 5	210	1.0	< 2	1.49	< 0.5	6	79	< 1	3.87	10	< 1	1.07	20	1.60	700
91KET1 JK 23R	205 294	< 5	< 0.2	0.06	< 5	10	< 0.5	< 2	0.01	< 0.5	< 1	279	1	0.65	< 10	< 1	< 0.01	< 10	0.01	170
91KET1 JK 24R	205 294	< 5	< 0.2	1.85	< 5	280	1.0	< 2	1.76	< 0.5	8	43	3	4.39	< 10	< 1	0.61	20	0.93	1000
91KET2 JK 01R	205 294	< 5	0.2	0.60	< 5	640	< 0.5	4	0.04	< 0.5	1	228	18	1.49	< 10	< 1	0.14	< 10	0.48	70
91KET2 JK 02R	205 294	< 5	< 0.2	3.11	< 5	100	< 0.5	< 2	1.03	< 0.5	69	281	252	9.81	< 10	< 1	0.72	< 10	2.49	830
91KET2 JK 03R	205 294	< 5	0.6	1.88	< 5	40	0.5	4	10.30	< 0.5	24	95	58	2.98	< 10	< 1	0.06	< 10	0.59	1210
91KET2 JK 04R	205 294	20	0.4	0.43	5	1310	0.5	< 2	0.41	1.0	1	447	48	2.33	< 10	< 1	0.14	10	0.13	30

CERTIFICATION:

B. Cagli



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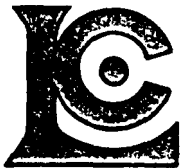
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Project : MIDWAY
 Comments : ATTN: CHRIS HERALD CC: J. SHANNON CC: R. MILLER CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9120288

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91KT1 CR 03R	205 294	< 1	< 0.01	1810	20	2	5	7	91	< 0.01	< 10	< 10	7	10	28
91KT1 CR 04R	205 294	< 1	0.04	19	1230	6	< 5	10	422	0.01	< 10	< 10	38	< 10	80
91KT1 CR 05R	205 294	< 1	< 0.01	19	70	6	< 5	1	10	0.04	< 10	< 10	29	< 10	20
91KT2 CR 01R	205 294	2	0.01	23	730	6	< 5	4	44	< 0.01	< 10	< 10	84	< 10	50
91KT2 CR 02R	205 294	1	0.03	12	1530	6	5	8	69	0.38	< 10	< 10	663	20	96
91KET1 JK 05R	205 294	< 1	0.01	57	70	2	< 5	37	54	0.06	< 10	< 10	138	< 10	56
91KET1 JK 06R	205 294	1	0.02	47	590	4	5	6	13	0.19	< 10	< 10	86	< 10	128
91KET1 JK 07R	205 294	< 1	0.02	10	410	6	5	10	45	0.40	< 10	< 10	238	< 10	76
91KET1 JK 08R	205 294	< 1	0.04	4	700	6	< 5	3	67	0.14	< 10	< 10	44	< 10	40
91KET1 JK 09R	205 294	< 1	0.04	6	670	10	< 5	3	45	0.03	< 10	< 10	32	< 10	42
91KET1 JK 10R	205 294	< 1	0.02	4	660	4	< 5	2	146	< 0.01	< 10	< 10	16	< 10	38
91KET1 JK 12R	205 294	< 1	0.06	5	740	8	< 5	4	84	0.20	< 10	< 10	45	< 10	46
91KET1 JK 13R	205 294	1	0.02	26	810	8	< 5	2	11	0.12	< 10	< 10	37	< 10	62
91KET1 JK 15R	205 294	< 1	0.02	3	1290	4	< 5	9	58	0.28	< 10	< 10	126	< 10	102
91KET1 JK 16R	205 294	< 1	0.01	2	1890	14	5	7	68	0.10	< 10	< 10	69	< 10	112
91KET1 JK 17R	205 294	1	0.01	2	1710	12	< 5	6	22	0.08	< 10	< 10	63	< 10	112
91KET1 JK 18R	205 294	< 1	0.15	42	1020	2	< 5	6	39	0.14	< 10	< 10	52	< 10	48
91KET1 JK 19R	205 294	6	0.03	8	370	16	< 5	1	21	0.11	< 10	< 10	39	< 10	80
91KET1 JK 20R	205 294	< 1	0.03	39	500	< 2	< 5	5	17	0.16	< 10	< 10	65	< 10	136
91KET1 JK 21R	205 294	4	0.03	39	550	10	< 5	4	10	0.18	< 10	< 10	57	< 10	106
91KET1 JK 22R	205 294	< 1	0.03	5	1030	10	< 5	6	74	0.25	< 10	< 10	70	< 10	86
91KET1 JK 23R	205 294	1	< 0.01	4	90	2	< 5	< 1	2	< 0.01	< 10	< 10	3	< 10	8
91KET1 JK 24R	205 294	2	0.03	2	1760	6	< 5	7	58	0.11	< 10	< 10	56	< 10	80
91KET2 JK 01R	205 294	1	0.01	5	130	4	< 5	2	8	< 0.01	< 10	10	43	< 10	10
91KET2 JK 02R	205 294	< 1	0.04	168	650	< 2	5	5	33	0.49	< 10	< 10	100	< 10	124
91KET2 JK 03R	205 294	86	0.01	76	1320	4	< 5	5	123	0.38	< 10	< 10	50	< 10	30
91KET2 JK 04R	205 294	39	< 0.01	15	3360	8	< 5	2	47	0.01	< 10	< 10	180	< 10	150

CERTIFICATION: B. Coughlin



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80202

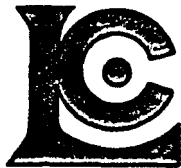
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Project : MIDWAY
Comments: ATTN: CHRIS HERALD CC:R. MILLER CC:J. SHANNON CC:M. SAWIUK

CERTIFICATE OF ANALYSIS A9120506

SAMPLE DESCRIPTION	PREP CODE		Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Pb
	FA+AA		ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
91KT1 2S:14+25E	201	298	< 5	< 0.2	1.34	< 5	250	< 0.5	< 2	0.26	< 0.5	6	22	4	1.67	< 10	< 1	0.10	10	0.24	33
91KT1 2S:14+50E	201	298	< 5	< 0.2	1.48	5	120	< 0.5	< 2	0.25	< 0.5	5	26	5	1.87	< 10	< 1	0.10	20	0.29	23
91KT1 2S:14+75E	201	298	< 5	< 0.2	1.43	< 5	160	< 0.5	< 2	0.31	< 0.5	7	21	5	1.68	< 10	< 1	0.09	10	0.25	33
91KT1 2S:15+00E	201	298	< 5	< 0.2	0.88	5	100	< 0.5	< 2	0.17	< 0.5	3	12	< 1	1.08	< 10	1	0.08	< 10	0.15	21
KT1 91-CR-07SS	201	298	< 5	< 0.2	0.71	< 5	70	< 0.5	< 2	1.05	< 0.5	5	27	42	1.28	< 10	< 1	0.07	20	0.30	13

CERTIFICATION: B. Cough



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Report Num.: 2-B
Total Pages: 2
Certificate Date: 02-28-91
Invoice No.: I9120
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Project: MIDWAY
Comments: ATTN: CHRIS HERALD CC:R. MILLER CC:J. SHANNON CC:M. SAWIUK

CERTIFICATE OF ANALYSIS

A9120506

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
91KT1 2S:14+25E	201	298	< 1	0.02	12	1890	4	< 5	2	50	0.09	< 10	< 10	36	< 10	58
91KT1 2S:14+50E	201	298	< 1	0.03	14	940	6	< 5	2	39	0.11	< 10	< 10	44	< 10	50
91KT1 2S:14+75E	201	298	< 1	0.03	11	1820	4	< 5	2	54	0.10	< 10	< 10	37	< 10	52
91KT1 2S:15+00E	201	298	< 1	0.04	7	1080	6	< 5	1	28	0.07	< 10	< 10	26	< 10	34
KT1 91-CR-07SS	201	298	< 1	0.04	16	670	2	< 5	2	75	0.08	< 10	< 10	33	< 10	46

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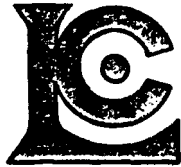
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Project : MIDWAY
Comments: ATTN: CHRIS HERALD CC:R. MILLER CC:J. SHANNON CC:M. SAWIUK

CERTIFICATE OF ANALYSIS A9120515

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91KET3:JK25R	205 294	< 5	< 0.2	1.60	20	100	< 0.5	< 2	1.47	< 0.5	11	218	37	2.65	< 10	< 1	0.27	10	0.80	33
91KET3:JK26R	205 294	< 5	< 0.2	0.40	< 5	50	< 0.5	< 2	0.06	< 0.5	4	228	36	0.99	< 10	< 1	0.04	< 10	0.22	15
91KET3:JK27R	205 294	< 5	0.2	0.49	< 5	110	< 0.5	< 2	>15.00	0.5	1	31	9	0.69	50	< 1	0.07	10	0.24	45
91KET3:JK28R	205 294	< 5	< 0.2	2.75	10	10	< 0.5	< 2	1.76	< 0.5	13	109	4	2.01	< 10	< 1	0.01	< 10	1.65	34
91KET3:JK29R	205 294	< 5	< 0.2	1.82	15	40	< 0.5	< 2	2.14	< 0.5	20	73	59	3.94	< 10	< 1	0.15	10	1.54	39
91KET3:JK30R	205 294	< 5	< 0.2	2.93	< 5	10	< 0.5	< 2	3.18	< 0.5	33	85	163	5.04	< 10	< 1	< 0.01	< 10	2.23	60
91KET3:JK31R	205 294	< 5	< 0.2	1.81	< 5	440	< 0.5	< 2	13.25	< 0.5	25	51	51	3.57	< 10	1	0.64	20	1.51	67
91KET3:JK32R	205 294	< 5	< 0.2	0.90	< 5	280	< 0.5	< 2	1.30	< 0.5	1	441	17	1.13	< 10	< 1	0.33	10	0.23	5
91KET3:JK33R	205 294	< 5	0.6	0.52	< 5	140	< 0.5	< 2	0.11	< 0.5	1	355	63	1.08	< 10	< 1	0.16	10	0.14	3
91KT1:CR-06R	205 294	< 5	< 0.2	3.67	5	330	< 0.5	< 2	0.25	< 0.5	16	99	55	5.27	< 10	< 1	0.35	10	1.84	38

CERTIFICATION: B. Coughlin



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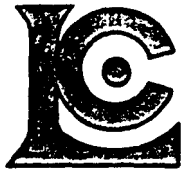
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CERTIFICATE OF ANALYSIS

A9120515

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91KET3:JK25R	205 294	< 1	0.03	32	670	14	< 5	5	30	0.06	< 10	< 10	51	10	50
91KET3:JK26R	205 294	< 1	< 0.01	14	150	< 2	< 5	1	4	0.01	< 10	< 10	22	< 10	22
91KET3:JK27R	205 294	< 1	< 0.01	5	1310	32	< 5	2	757	< 0.01	< 10	< 10	28	20	56
91KET3:JK28R	205 294	< 1	0.07	24	20	2	< 5	5	29	0.03	< 10	< 10	50	10	20
91KET3:JK29R	205 294	< 1	0.34	21	950	2	< 5	13	13	0.29	< 10	< 10	147	10	48
91KET3:JK30R	205 294	< 1	0.03	51	460	8	< 5	7	61	0.56	< 10	< 10	139	10	70
91KET3:JK31R	205 294	< 1	0.07	29	820	< 2	< 5	13	450	0.38	< 10	< 10	141	20	50
91KET3:JK32R	205 294	1	0.01	8	5440	8	< 5	2	56	0.01	< 10	< 10	56	< 10	38
91KET3:JK33R	205 294	11	< 0.01	15	600	< 2	< 5	1	12	< 0.01	< 10	< 10	90	< 10	64
91KT1:CR-06R	205 294	< 1	0.06	46	550	10	< 5	6	19	0.05	< 10	< 10	73	< 10	124

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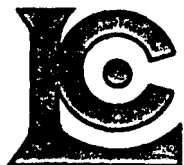
Project: MIDWAY
 Comments: ATTN: CHRIS HERALD CC:R. MILLER CC:J. SHANNON CC:M. SAWIUK

CERTIFICATE OF ANALYSIS A9120506

SAMPLE DESCRIPTION	PREP CODE		Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
91KT1 2S:04+00E	201	298	< 5	< 0.2	1.83	25	150	< 0.5	< 2	0.35	< 0.5	11	23	18	2.15	< 10	< 1	0.16	20	0.37	375
91KT1 2S:04+25E	201	298	< 5	< 0.2	1.67	< 5	180	< 0.5	< 2	0.45	< 0.5	9	25	20	2.10	< 10	< 1	0.22	20	0.39	475
91KT1 2S:04+50E	201	298	< 5	< 0.2	2.02	15	240	< 0.5	< 2	0.56	< 0.5	10	23	20	2.41	< 10	< 1	0.29	10	0.51	810
91KT1 2S:04+75E	201	298	< 5	< 0.2	2.35	< 5	210	< 0.5	< 2	0.34	< 0.5	9	19	12	2.38	< 10	< 1	0.19	10	0.45	800
91KT1 2S:05+00E	201	298	< 5	< 0.2	1.46	< 5	210	< 0.5	< 2	0.38	0.5	13	13	24	1.58	< 10	< 1	0.11	10	0.23	715
91KT1 2S:05+25E	201	298	< 5	< 0.2	1.62	30	180	< 0.5	< 2	0.41	< 0.5	12	14	46	2.36	< 10	< 1	0.09	10	0.24	795
91KT1 2S:05+50E	201	298	< 5	< 0.2	2.20	25	200	< 0.5	< 2	0.57	< 0.5	16	14	55	2.73	< 10	< 1	0.08	10	0.22	890
91KT1 2S:05+75E	201	298	< 5	< 0.2	1.14	< 5	210	< 0.5	< 2	0.77	< 0.5	11	12	35	1.53	< 10	< 1	0.08	10	0.21	740
91KT1 2S:06+00E	201	298	< 5	< 0.2	1.30	< 5	170	< 0.5	< 2	0.44	< 0.5	8	25	21	1.96	< 10	< 1	0.11	20	0.29	330
91KT1 2S:06+31E	201	298	< 5	< 0.2	1.30	20	240	< 0.5	< 2	0.34	< 0.5	8	22	21	1.89	< 10	< 1	0.17	20	0.27	410
91KT1 2S:06+50E	201	298	< 5	< 0.2	1.03	5	120	< 0.5	< 2	0.40	< 0.5	5	19	9	1.67	< 10	< 1	0.11	20	0.24	305
91KT1 2S:06+80E	201	298	< 5	< 0.2	1.65	5	170	< 0.5	< 2	0.40	< 0.5	7	20	16	1.83	< 10	< 1	0.10	20	0.26	370
91KT1 2S:07+00E	201	298	< 5	< 0.2	1.26	< 5	200	< 0.5	< 2	0.42	< 0.5	7	22	13	1.91	< 10	< 1	0.12	20	0.28	375
91KT1 2S:07+25E	201	298	< 5	< 0.2	1.41	< 5	200	< 0.5	< 2	0.40	< 0.5	8	22	18	2.16	< 10	< 1	0.08	20	0.29	445
91KT1 2S:07+60E	201	298	< 5	< 0.2	1.26	< 5	180	< 0.5	< 2	0.44	0.5	8	22	14	1.86	< 10	< 1	0.13	20	0.26	455
91KT1 2S:07+75E	201	298	< 5	< 0.2	1.07	< 5	140	< 0.5	< 2	0.37	< 0.5	8	24	11	1.85	< 10	< 1	0.13	20	0.27	365
91KT1 2S:08+00E	201	298	< 5	< 0.2	0.92	5	160	< 0.5	< 2	0.27	< 0.5	4	18	5	1.58	< 10	< 1	0.08	10	0.23	405
91KT1 2S:08+25E	201	298	< 5	< 0.2	1.03	10	230	< 0.5	< 2	0.38	< 0.5	7	22	8	1.86	< 10	< 1	0.12	10	0.26	540
91KT1 2S:08+50E	201	298	10	< 0.2	0.98	< 5	130	< 0.5	< 2	0.34	< 0.5	6	22	10	1.91	< 10	< 1	0.09	20	0.25	265
91KT1 2S:08+75E	201	298	< 5	< 0.2	1.09	10	180	< 0.5	< 2	0.36	< 0.5	7	20	5	1.84	< 10	< 1	0.14	20	0.22	365
91KT1 2S:09+00E	201	298	< 5	< 0.2	0.94	< 5	160	< 0.5	< 2	0.37	< 0.5	4	22	5	1.93	< 10	< 1	0.10	30	0.21	305
91KT1 2S:09+25E	201	298	< 5	< 0.2	1.01	10	220	< 0.5	< 2	0.36	< 0.5	7	21	4	1.76	< 10	< 1	0.07	20	0.22	320
91KT1 2S:09+50E	201	298	< 5	< 0.2	0.82	< 5	220	< 0.5	< 2	0.40	< 0.5	6	18	3	1.54	< 10	< 1	0.07	10	0.19	345
91KT1 2S:09+75E	201	298	< 5	< 0.2	0.95	< 5	300	< 0.5	< 2	0.55	< 0.5	5	15	5	1.44	< 10	< 1	0.14	10	0.20	650
91KT1 2S:10+00E	201	298	< 5	< 0.2	1.12	< 5	170	< 0.5	< 2	0.33	< 0.5	4	19	7	1.62	< 10	< 1	0.09	20	0.24	375
91KT1 2S:10+25E	201	298	< 5	< 0.2	0.98	< 5	110	< 0.5	< 2	0.39	< 0.5	5	21	6	1.76	< 10	< 1	0.11	30	0.26	265
91KT1 2S:10+50E	201	298	< 5	< 0.2	1.00	< 5	120	< 0.5	< 2	0.25	< 0.5	6	15	2	1.34	< 10	< 1	0.11	10	0.18	270
91KT1 2S:10+75E	201	298	< 5	< 0.2	0.91	5	110	< 0.5	< 2	0.26	< 0.5	4	16	4	1.46	< 10	2	0.15	10	0.19	345
91KT1 2S:11+00E	201	298	< 5	< 0.2	0.96	< 5	100	< 0.5	< 2	0.32	< 0.5	6	19	3	1.69	< 10	< 1	0.12	20	0.22	265
91KT1 2S:11+39E	201	298	< 5	< 0.2	1.25	5	130	< 0.5	< 2	0.35	< 0.5	6	23	5	1.92	< 10	< 1	0.10	20	0.27	295
91KT1 2S:11+50E	201	298	< 5	< 0.2	1.73	15	170	< 0.5	< 2	0.30	< 0.5	11	24	12	2.25	< 10	< 1	0.08	10	0.31	570
91KT1 2S:11+75E	201	298	< 5	< 0.2	1.71	< 5	170	< 0.5	< 2	0.32	< 0.5	10	21	11	1.99	< 10	< 1	0.10	10	0.28	515
91KT1 2S:12+00E	201	298	< 5	< 0.2	1.96	15	110	< 0.5	< 2	0.27	< 0.5	10	32	16	2.50	< 10	< 1	0.10	20	0.38	340
91KT1 2S:12+25E	201	298	< 5	< 0.2	1.46	10	150	< 0.5	< 2	0.28	< 0.5	6	24	8	1.87	< 10	< 1	0.12	10	0.28	190
91KT1 2S:12+50E	201	298	< 5	< 0.2	1.18	< 5	240	< 0.5	< 2	0.22	< 0.5	6	18	3	1.59	< 10	< 1	0.08	10	0.23	345
91KT1 2S:12+75E	201	298	< 5	< 0.2	1.19	10	340	< 0.5	< 2	0.19	< 0.5	4	21	3	1.79	< 10	< 1	0.09	10	0.24	580
91KT1 2S:13+00E	201	298	< 5	< 0.2	1.30	< 5	180	< 0.5	< 2	0.20	< 0.5	6	21	3	1.77	< 10	< 1	0.11	10	0.24	390
91KT1 2S:13+50E	201	298	< 5	< 0.2	1.58	10	410	< 0.5	< 2	0.30	< 0.5	8	26	10	1.73	< 10	< 1	0.13	10	0.29	515
91KT1 2S:13+75E	201	298	< 5	< 0.2	1.69	< 5	230	< 0.5	< 2	0.24	< 0.5	6	32	6	1.78	< 10	< 1	0.10	10	0.36	345
91KT1 2S:14+00E	201	298	< 5	< 0.2	1.43	< 5	310	< 0.5	< 2	0.25	< 0.5	6	24	4	1.73	< 10	< 1	0.12	10	0.29	430

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: CROWN RESOURCE CORPORATION
SEVENTEENTH STREET PLAZA
1225 17TH ST., STE. 1500
DENVER, COLORADO
80202

Page Number : 1-B
Total Pages : 2
Certificate Date: 02-SEI
Invoice No. : 191201
P.O. Number :

Project : MIDWAY
Comments: ATTN: CHRIS HERALD CC:R. MILLER CC:J. SHANNON CC:M. SAWIUK

CERTIFICATE OF ANALYSIS A9120506

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91KT1 2S:04+00E	201 298	< 1	0.03	19	780	6	< 5	3	55	0.11	< 10	< 10	41	< 10	68
91KT1 2S:04+25E	201 298	1	0.03	16	900	12	< 5	3	59	0.11	< 10	< 10	44	< 10	68
91KT1 2S:04+50E	201 298	< 1	0.03	14	1170	10	5	3	56	0.13	< 10	< 10	53	< 10	94
91KT1 2S:04+75E	201 298	< 1	0.04	13	950	14	< 5	4	38	0.14	< 10	< 10	60	< 10	74
91KT1 2S:05+00E	201 298	< 1	0.05	14	1030	4	< 5	2	43	0.08	< 10	< 10	36	< 10	80
91KT1 2S:05+25E	201 298	< 1	0.03	28	1580	12	< 5	2	51	0.07	< 10	< 10	36	< 10	134
91KT1 2S:05+50E	201 298	< 1	0.03	24	2180	12	< 5	2	72	0.08	< 10	< 10	35	< 10	138
91KT1 2S:05+75E	201 298	< 1	0.03	14	1130	8	< 5	1	82	0.06	< 10	< 10	27	< 10	88
91KT1 2S:06+00E	201 298	< 1	0.02	22	790	6	< 5	2	57	0.10	< 10	< 10	40	< 10	62
91KT1 2S:06+31E	201 298	< 1	0.02	20	1860	6	< 5	2	67	0.09	< 10	< 10	36	< 10	96
91KT1 2S:06+50E	201 298	< 1	0.02	15	710	4	< 5	2	51	0.09	< 10	< 10	36	< 10	50
91KT1 2S:06+80E	201 298	< 1	0.03	18	1680	< 2	< 5	3	48	0.10	< 10	< 10	37	< 10	88
91KT1 2S:07+00E	201 298	< 1	0.02	15	1320	6	< 5	3	62	0.10	< 10	< 10	42	< 10	74
91KT1 2S:07+25E	201 298	< 1	0.02	23	1860	6	< 5	2	61	0.09	< 10	< 10	43	< 10	86
91KT1 2S:07+60E	201 298	< 1	0.03	21	1470	8	< 5	2	58	0.10	< 10	< 10	38	< 10	96
91KT1 2S:07+75E	201 298	< 1	0.03	17	1020	4	< 5	2	59	0.11	< 10	< 10	40	< 10	62
91KT1 2S:08+00E	201 298	< 1	0.03	12	490	4	< 5	2	40	0.09	< 10	< 10	36	< 10	54
91KT1 2S:08+25E	201 298	< 1	0.02	14	1030	2	< 5	2	51	0.09	< 10	< 10	40	< 10	72
91KT1 2S:08+50E	201 298	< 1	0.01	14	1130	6	< 5	2	50	0.09	< 10	< 10	44	< 10	54
91KT1 2S:08+75E	201 298	< 1	0.02	10	1100	4	< 5	2	56	0.10	< 10	< 10	38	< 10	76
91KT1 2S:09+00E	201 298	< 1	0.02	11	1270	10	< 5	2	54	0.10	< 10	< 10	45	< 10	50
91KT1 2S:09+25E	201 298	< 1	0.03	10	1410	< 2	< 5	2	49	0.09	< 10	< 10	41	< 10	50
91KT1 2S:09+50E	201 298	< 1	0.04	10	880	4	< 5	1	47	0.09	< 10	< 10	38	< 10	42
91KT1 2S:09+75E	201 298	< 1	0.03	9	940	4	< 5	1	66	0.08	< 10	< 10	33	< 10	52
91KT1 2S:10+00E	201 298	< 1	0.03	10	1260	4	< 5	2	52	0.09	< 10	< 10	37	< 10	44
91KT1 2S:10+25E	201 298	< 1	0.03	12	1000	12	< 5	2	55	0.11	< 10	< 10	41	< 10	38
91KT1 2S:10+50E	201 298	< 1	0.04	11	690	< 2	< 5	2	47	0.09	< 10	< 10	30	< 10	40
91KT1 2S:10+75E	201 298	< 1	0.04	6	620	< 2	< 5	2	44	0.10	< 10	< 10	32	< 10	40
91KT1 2S:11+00E	201 298	< 1	0.02	8	900	4	< 5	2	54	0.10	< 10	< 10	39	< 10	36
91KT1 2S:11+39E	201 298	< 1	0.02	10	1210	< 2	< 5	2	54	0.11	< 10	< 10	44	< 10	46
91KT1 2S:11+50E	201 298	< 1	0.02	25	1450	6	< 5	2	44	0.11	< 10	< 10	48	< 10	114
91KT1 2S:11+75E	201 298	< 1	0.02	21	1300	< 2	< 5	2	45	0.11	< 10	< 10	43	< 10	100
91KT1 2S:12+00E	201 298	< 1	0.01	28	1390	6	< 5	3	43	0.13	< 10	< 10	54	< 10	104
91KT1 2S:12+25E	201 298	< 1	0.02	25	860	< 2	< 5	2	50	0.10	< 10	< 10	38	< 10	110
91KT1 2S:12+50E	201 298	< 1	0.02	14	1430	< 2	< 5	2	38	0.08	< 10	< 10	32	< 10	108
91KT1 2S:12+75E	201 298	< 1	0.01	12	1600	4	< 5	2	37	0.09	< 10	< 10	36	< 10	148
91KT1 2S:13+00E	201 298	< 1	0.02	14	1080	< 2	< 5	2	33	0.10	< 10	< 10	35	< 10	120
91KT1 2S:13+50E	201 298	< 1	0.03	16	2010	4	< 5	3	78	0.09	< 10	< 10	34	< 10	92
91KT1 2S:13+75E	201 298	< 1	0.03	21	1320	< 2	< 5	3	44	0.11	< 10	< 10	37	< 10	62
91KT1 2S:14+00E	201 298	< 1	0.03	15	1810	< 2	< 5	2	44	0.09	< 10	< 10	38	< 10	88

CERTIFICATION: B. Coughlin

APPENDIX E
ROCK SAMPLE DESCRIPTIONS

Sampler J. KEMP
 Date AUG. '91
Property MET # 1 GP:NTS 82E/2

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn
91KT2 JK 01R	-	CHERT			1303 m. W ON RAILWAY (BED) FROM 3N I.D. ^{post}	<5	0.2	18	4	10
91KT2 JK 02R	-	INTR.	chlorite		672 m. W ON RAILBED FROM 3N	<5	<0.2	252	<2	124
91KT2 JK 03R	-	GRANITE	SKARN		726 m. W. ON RAILBED FROM 3N	<5	0.6	58	4	30
91KT2 JK 04R	float	argillite		CPY	- very graphitic 1384 m. W. ON RAILBED FROM 3N	20	0.4	48	8	150
91KT1 JK 05R	-	schist	qtz. chlorite		- calcareous - W. side of repeater str.	<5	0.8	22	2	56
91KT1 JK 06R	-	volcanic	biotite		andesite 50 m. N of 05R	<5	<0.2	71	4	128
91KT1 JK 07R	-	schist			62 m. S.E. (on 140°) FROM 153W I.D. pt.	<5	<0.2	22	6	76
91KT1 JK 08R	-	DIORITE			@ 100 m. S.E. OF I.D. POST	<5	<0.2	2	6	40
91KT1 JK 09R	-	DIORITE			@ 200 m. S.E. OF I.D. POST	<5	<0.2	4	10	42
91KT1 JK 10R		DIORITE	chlorite calcite		@ 300 m. S.E. OF I.D. POST	<5	0.8	1	4	38
91KT1 JK 12R		DIORITE			@ 500 m. S.E. OF I.D. POST	<5	<0.2	1	8	46
91KT1 JK 13R		DIORITE			@ 600 m. S.E. (ON 145°) FROM I.D. POST	<5	<0.2	68	8	62
91KT1 JK 15R		DIORITE			@ 800 m. S.E. FROM I.D. POST	<5	<0.2	2	4	102
91KT1 JK 16R		FAULT GEOUR			@ 985 m. S.E. FROM I.D. POST	<5	<0.2	38	14	112
91KT1 JK 17R		ALT DIORITE		BIOTITE MICA	@ 1100 m. S.E. FROM I.D. POST	<5	<0.2	2	12	112

DOC SAMPLE SHEET

Sampler J. KEMP
Date AUG. /91

Property KET 1 GROUP

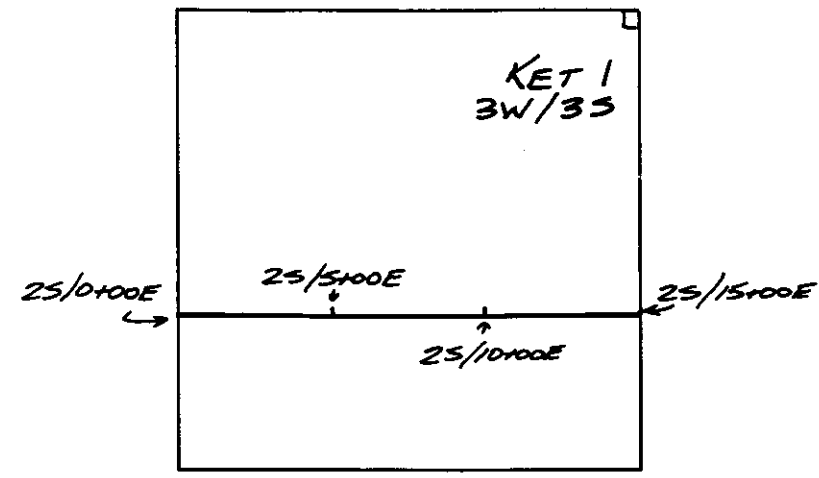
NTS 8ZE/2

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn
91KT1 JK18R	-	BRNSTNE			150 m. N of 35 1W	<5	0.4	28	2	48
91KT1 JK19R	2m.	cherty argillite			SEE MAP FOR SAMPLE LOCATIONS:	<5	<0.2	24	16	80
91KT1 JK20R		QTZITE				<5	<0.2	42	<2	136
91KT1 JK21R		ANDESITE				<5	<0.2	48	10	106
91KT1 JK22R		DIORITE				15	<0.2	<1	10	86
91KT1 JK23R		QTZ. VEIN				<5	<0.2	1	2	8
91KT1 JK24R		ALT. DIORITE				<5	<0.2	3	6	80
91KT3 JK25R		conglo merate	silica		50 m. E of KT 3 2N post	<5	<0.2	37	14	50
91KT3 JK26R		Chert	silica		66 m. E. "	<5	<0.2	36	<2	22
91KT3 JK27R		LST			240 m. E. "	<5	0.2	9	32	56
91KT3 JK28R		DIORITE			967 m. E. "	<5	<0.2	4	2	20
91KT3 JK29R		ANDESITE			-SLIGHTLY MAGNETIC	<5	<0.2	59	2	48
91KT3 JK30R	FLDAT	ANDESITE	EPIDOTE		IN CR. BOTTOM	<5	<0.2	163	8	70
91KT3 JK31R		ALT. ANDESITE	CALCITE			<5	<0.2	51	<2	50
91KT3 JK32R		QTEZITE				<5	<0.2	17	8	38

25/5+00E

ID POST	88	50	56	88	54	106	66	118	72	60	100	76	96	92	104	94	68	68	94	74	80	Zn (ppm)
3W/25	12	22	22	20	28	14	32	16	28	26	17	37	24	35	32	24	18	20	20	12	24	Cu (ppm)
	<5	<5	<5	10	<5	<5	<5	<5	<5	<5	<5	30	<5	<5	<5	<5	<5	<5	<5	<5	<5	Au (ppb)
	10	<5	5	15	10	15	<5	<5	5	90	5	5	<5	5	5	5	25	<5	15	<5	<5	As (ppm)

25/0+00E



25/10+00E

	80	134	138	88	64	96	50	88	74	86	96	62	54	72	54	76	55	50	42	52	44	Zn (ppm)
	24	46	55	32	21	21	9	16	13	18	14	11	5	8	10	5	5	4	3	5	7	Cu (ppm)
	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10	<5	<5	<5	<5	<5	<5	<5	Au (ppb)
	<5	30	25	<5	<5	20	5	5	<5	<5	<5	<5	5	10	<5	10	<5	10	<5	<5	<5	As (ppm)

25/5+00E

25/15+00E

	44	38	40	40	36	46	114	100	104	110	108	148	120	92	62	88	58	50	52	34	46	Zn (ppm)
	7	6	2	4	3	5	12	11	16	8	3	3	3	10	6	4	4	5	5	<1	42	Cu (ppm)
	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	Au (ppb)
	<5	<5	<5	5	<5	5	15	<5	15	10	<5	10	<5	10	<5	<5	<5	5	<5	5	<5	As (ppm)

25/10+00E

NOTE: SILT SAMPLE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,174

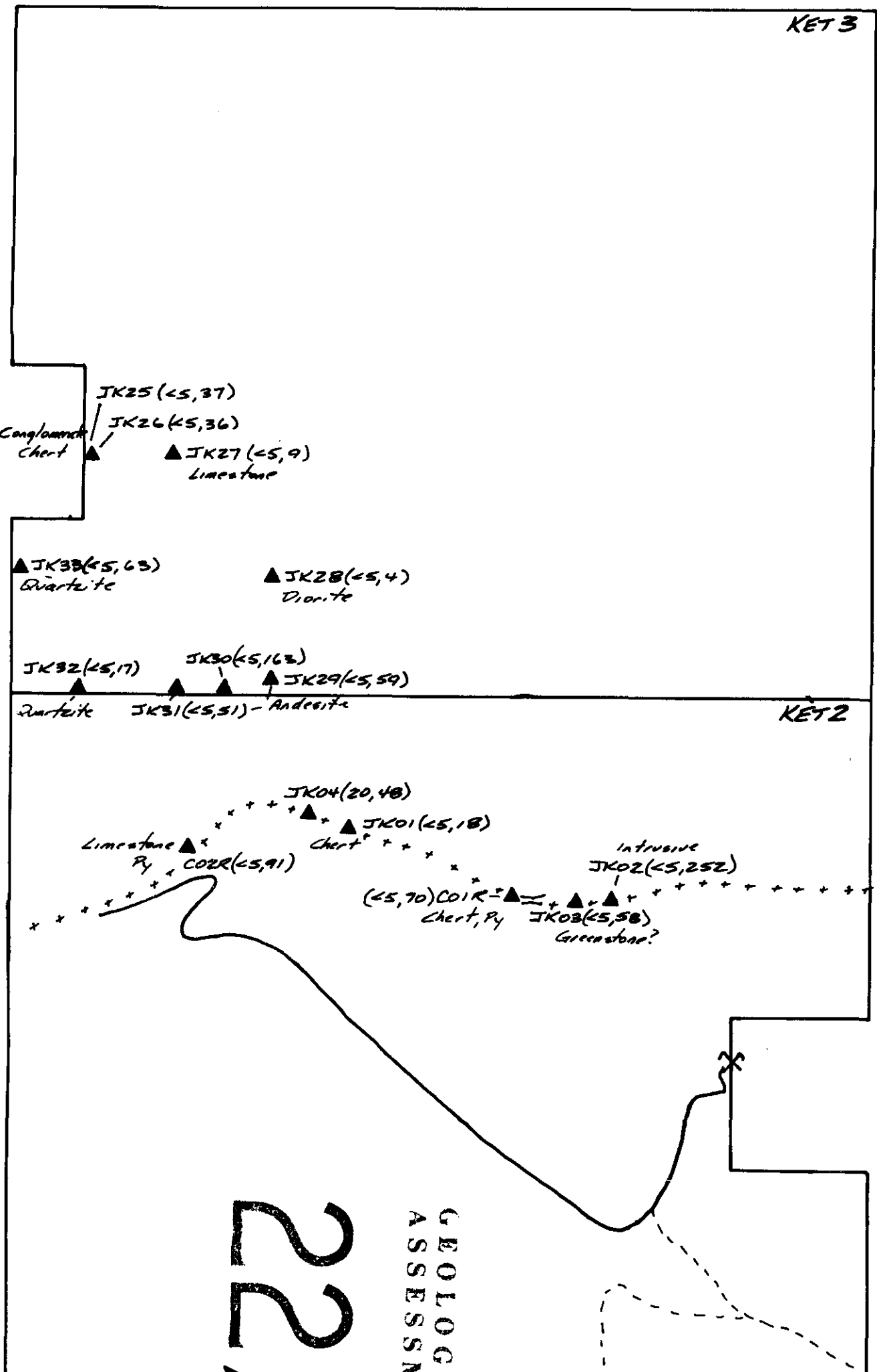
CROWN RESOURCES CORP.

KET 1 GROUP
MIDWAY PROJECT
SOIL GEOCHEMISTRY
PLAN

DATE: Nov. 91 NTS: B2E 2/3 FIGURE: 6

wk

COAST MOUNTAIN GEOLOGICAL

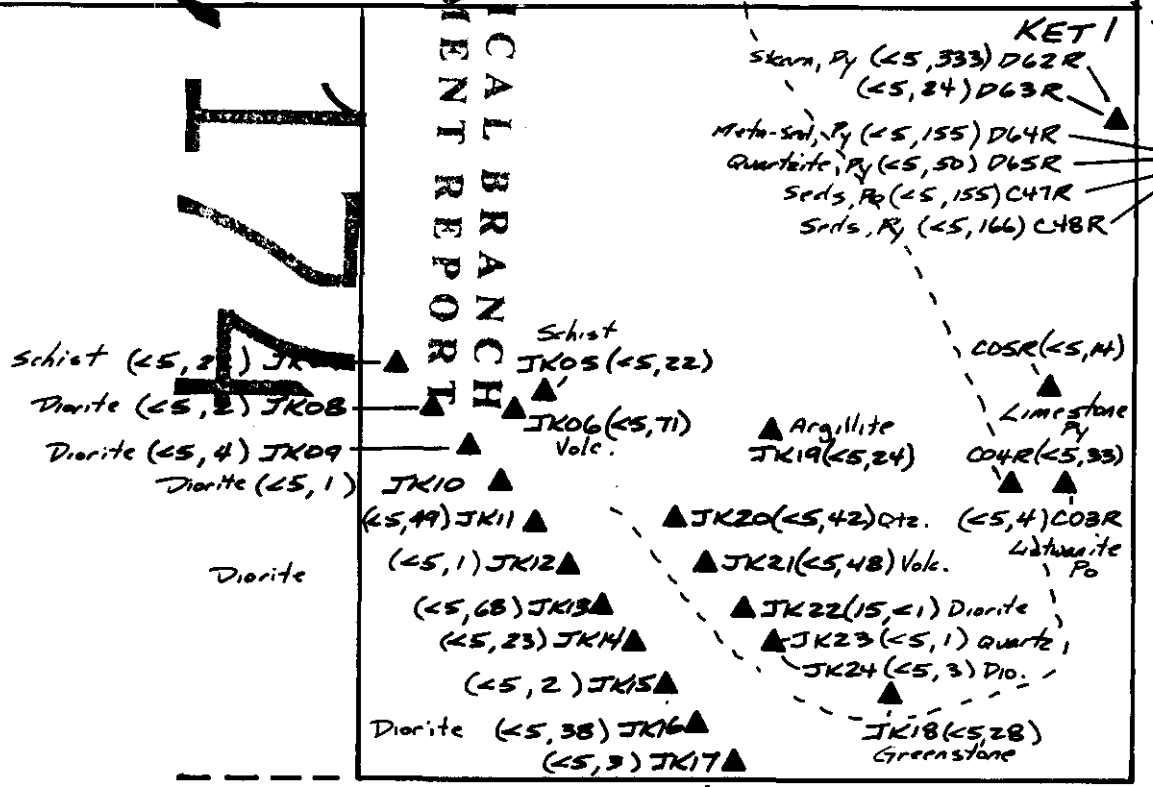
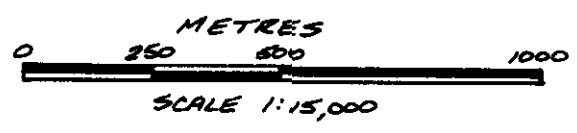


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GEOLOGICAL BRANCH ASSESSMENT REPORT

- ▲ BEDROCK CHIP SAMPLE
- ++++ RAIL BED
- = RAIL TUNNEL
- X MINE
- MAIN ROAD
- - - SKID ROAD

GEOCHEMICAL VALUES EXPRESSED AS FOLLOWS:
SAMPLE# (Au,ppb, Cu,ppm)



US/CANADA BORDER

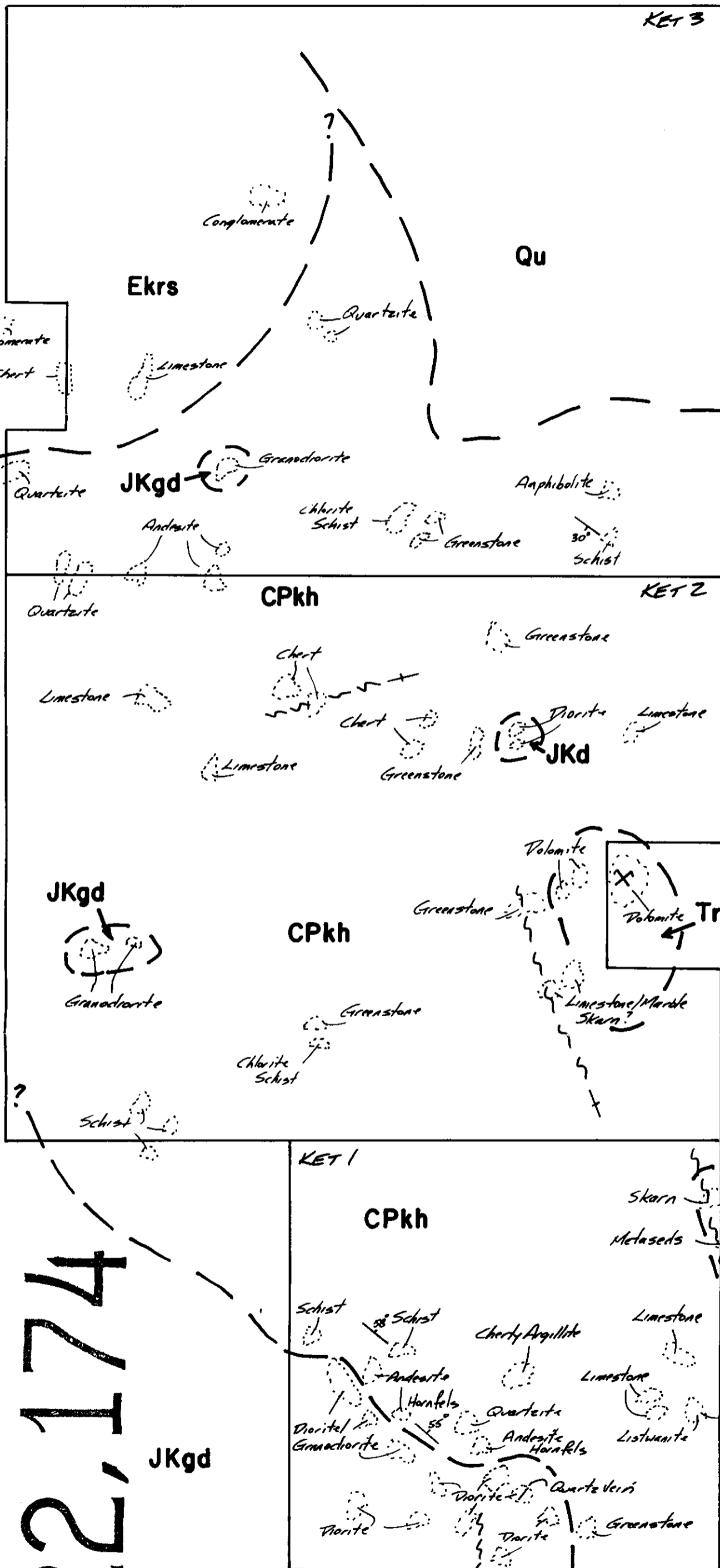
CROWN RESOURCES CORP.

KET 1 GROUP MIDWAY PROJECT ROCK SAMPLE PLAN

DATE: Nov. '91 NTS: 82E 2/3 FIGURE: 5

COAST MOUNTAIN GEOLOGICAL

JKgd

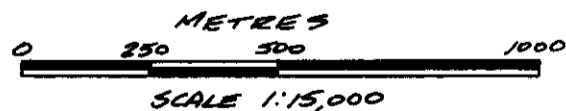


LEGEND

- APPROXIMATE LITHOLOGICAL CONTACT
- OUTCROP
- FAULT, STRIKE + DIP
- BEDDING, STRIKE + DIP

LITHOLOGY

- Qu - QUATERNARY: UNCONSOLIDATED SEDIMENTS, TILL
- TERTIARY**
- Eocene**
- Ekrs - KETTLE RIVER FORMATION: CONGLOMERATE, CHERT, LIMESTONE
- JURASSIC AND/OR CRETACEOUS**
- JKgd - NELSON PLUTONIC ROCKS: GRANODIORITE, DIORITE
- TRIASSIC**
- Trbs - BROOKLINE FORMATION: SHARPSTONE CONGLOMERATE, MARBLE, DOLOMITE, SKARN
- CARBONIFEROUS OR PERMIAN**
- CPkh - KNOB HILL GROUP: CHERT, GREENSTONE, MARBLE, LIMESTONE, AMPHIBOLITE, QUARTZITE



CROWN RESOURCES CORP.

KET 1 GROUP
MIDWAY PROJECT
GEOLOGY PLAN

DATE: Nov '91 WYS: B2E2/3 FIGURE: 4

COAST MOUNTAIN GEOLOGICAL