

23,205

1993 SUMMARY REPORT

on the

SPRUCE GROUP

(Spruce #1, #2, #3, #4, #5, #6, Spruce #7FR,
Spruce #8FR, Spruce #9FR,
Bonanza #3, #4, #5, #6, #9, #10)

Annual Work Approval Number KAM 92-0400366-1696
Reclamation Permit MX-14-15

GREENWOOD and TRAIL CREEK MINING DIVISIONS
British Columbia

North Latitude 49° 11' West Longitude 118° 04'

Map Sheet 082E 01E
UTM Zone 11

Prepared for

CROWN RESOURCES CORP.
1225 17th Street, Suite 1500
Denver, Colorado 80202

Prepared by

R.E. Miller B.Eng. Sci.
Crownex Resources (Canada) Ltd.
P.O. Box 2941
Grand Forks, B.C.
VOH 1H0

November 1993

LOG NO:	JAN 04 1994	RD.
ACTION:		
FILE NO:		

1993 SUMMARY REPORT

on the

SPRUCE GROUP

(Spruce #1. #2. #3. #4. #5. #6. Spruce #7FR.
Spruce #8FR. Spruce #9FR.
Bonanza #3. #4. #5. #6. #9. #10)

Annual Work Approval Number KAM 92-0400366-1696
Reclamation Permit MX-14-15

GREENWOOD and TRAIL CREEK MINING DIVISIONS
British Columbia

North Latitude 49° 11' West Longitude 118°

Map Sheet 082E 01E
UTM Zone 11

FILMED

GOVERNMENT AGENT NELSON
DEC 21 1993
TRANS. # _____

Prepared for

CROWN RESOURCES CORP.
1225 17th Street, Suite 1500
Denver, Colorado 80202

Prepared by

R.E. Miller B.Eng. Sci.
Crownex Resources (Canada) Ltd.
P.O. Box 2941
Grand Forks, B.C.
VOH 1H0

November 1993

TABLE OF CONTENTS

1.0 INTRODUCTION

- 1.1 Summary
- 1.2 Property and Ownership
- 1.3 Location, Access and Physiography
- 1.4 History

2.0 GEOLOGY

- 2.1 Regional Geology
- 2.2 Economic Geology

3.0 EXPLORATION

- 3.1 1991 Exploration Program
- 3.2 1992 Exploration Program
 - 3.2.1 Airborne Geophysics
 - 3.2.2 Ground Geophysics
 - 3.2.3 Geochemistry
 - 3.2.4 Drilling

4.0 CONCLUSION

5.0 RECOMMENDATIONS

APPENDICES

- Appendix A Statement of Qualifications
- Appendix B Statement of Expenditures
- Appendix C References
- Appendix D Certificate of Analysis & Analytical Procedures
- Appendix E Drill Hole Field Logs

LIST OF ILLUSTRATIONS

- Figure 1 Property Location Map
- Figure 2 Claim Map
- Figure 3 Historical Mining Camps
- Figure 4a & 4b Regional Geology Map
- Figure 5 Property Geology Plan
- Figure 6 Dighem Airborne Geophysical Coverage
Paulson Project
- Figure 7 Gold Soil Geochem Data and 1992 Drill Hole
Location - Spruce Grid (in pocket)
- Figure 8 Spruce Grid Ground Magnetometry Map (in
pocket)

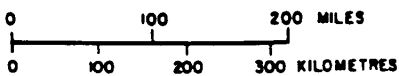
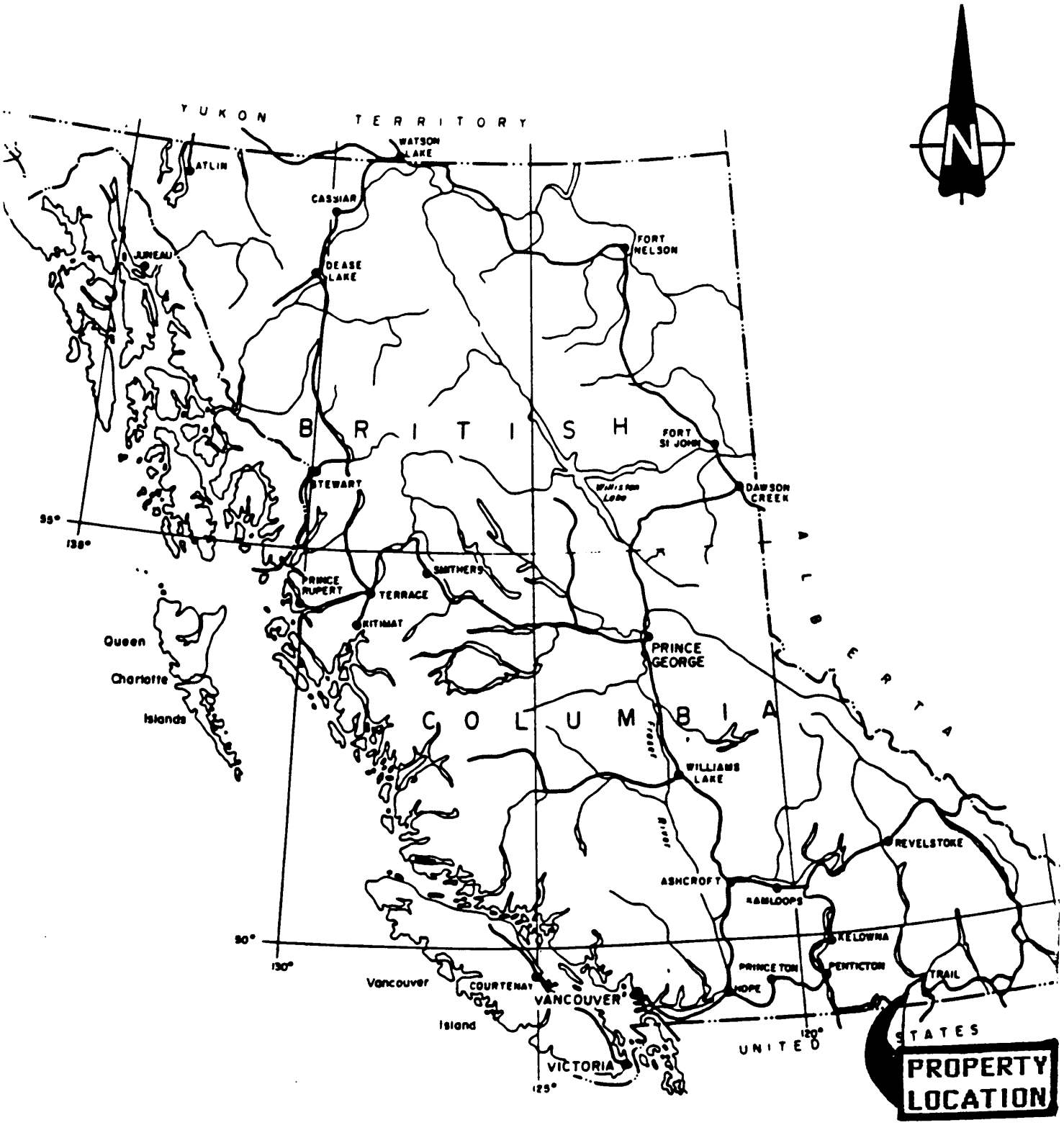
1.0 INTRODUCTION

This report describes the 1992 Spruce Mineral Claim Group mineral exploration program conducted by Crownex Resources Ltd., a wholly owned subsidiary of Crown Resources Corp., Seventeenth Street Plaza, 1225 17th Street, Suite 1500 Denver, Colorado 80202. Field data was gathered from April 1991 through December 1992, over the Spruce claim block which is located 40 km east of Grand Forks, B.C.. Exploration work consisted of airborne geophysics, ground magnetometry, gridding, soil sampling, and Reverse Circulation drilling.

1.1 SUMMARY

Literature search and reconnaissance geology, geochemistry, and ground geophysics in April and May 1991, prior to land acquisition, indicated that geology favorable to the development of bulk tonnage gold drill targets existed in the area around the old Canadian Pacific rail station at Paulson, some 40 km east of Grand Forks, B.C..

Minor high grade gold production west south west of Paulson, has been associated with sulfide and magnetite bearing, siliceous skarnification of select limestone beds. East of Paulson, gold silver ore has been obtained from quartz monzonite hosted quartz veins.



<i>CROWNEX RESOURCES</i>		
PROPERTY LOCATION MAP		
OSOYODS MINING DIVISION		
<i>SPRUCE GROUP</i>		
DRAWN BY: <i>R.M.</i>	NTS:	DATE: <i>NOV. 93</i>
		FIGURE: # 1

Dighems airborne geophysical survey was chosen as the most efficient initial exploration tool for the Paulson area as steep-rugged terrain, abundant overburden, heavy vegetation, and difficult local access hampered the ground based gold exploration data collection.

A number of well mineralized gold and base metal occurrences fall within the Paulson survey block, produced a comparative data base which aided in the interpretation and extrapolation of the Airborne geophysical information.

The Spruce claim group lies within the boundaries of Crown Resources larger Paulson Airborne geophysical survey block, details of which are found in Crown's Bonanza and Orion Group B.C. Assessment Reports.

1.2 PROPERTY AND OWNERSHIP

The Spruce properties are comprised of 9 (nine) two post claims and 6 M.G.S. claims totalling 95 units and are owned by Crownex Resources Ltd., a wholly owned subsidiary of Crown Resources Corp., 17th Street Plaza, 1225 Seventeenth Street, Suite 1500 Denver, Colorado 80202. The properties are located in the Greenwood and Trail Creek Mining Divisions. (Figure #1 & #2)

The following table summarizes the pertinent claim data.

SPRUCE GROUP

UNITS	CLAIM NAME	TENURE NUMBER	EXPIRY DATE*
1	Spruce #1	304690	Sept 28, 1994
1	Spruce #2	304691	"
1	Spruce #3	304692	"
1	Spruce #4	304693	"
1	Spruce #5	304694	"
1	Spruce #6	304695	"
1	Spruce #7 FR	304696	"
1	Spruce #8 FR	304697	"
20	Bonanza #3	303110	Aug 13, 1994
20	Bonanza #4	303111	"
4	Bonanza #5	303112	Aug 8, 1994
20	Bonanza #6	303113	Aug 15, 1994
18	Bonanza #9	303280	Aug 16, 1994
4	Bonanza #10	305204	Oct 9, 1994
1	Spruce #9 FR	312130	Aug 7, 1994

*Pending acceptance of this report

1.3 LOCATION, ACCESS AND PHYSIOGRAPHY

The Spruce claim group is situated in the Greenwood and Trail Creek Mining Divisions of Southern British Columbia near Bonanza Pass on Highway #3, 7.0 km east of Paulson, an old Canadian Pacific rail station. Grand Forks is approximately 40 km to the west and Castlegar is about 35 km to the east. Granville Mountain is near the northeast side of the property at Latitude 49° 11' N Longitude 118° 4' W. McRae Creek is near the west boundary of the property and Big Sheep Creek is near the east boundary edge.

Access is via the Bonanza Creek road off of Highway #3 some 7.0 km east of the Paulson Bridge. Numerous logging, mining and bush roads provide excellent access to most of the property.

Granville Mountain is the main topographical feature near the property at a height of 1800+ meters (5838 feet). The topographical low point near the property is located south of Paulson by the old railroad stop at Coryell where the elevation is 1025 meters (3177 feet) for an approximate local relief of 675 meters. Mount St. Thomas, just to the south of the property, is some 2100+ meters (6500+ feet) in elevation and is the most prominent point in the immediate area.

Topography varies from gentle rolling hills in the central up-lands, to precipitous cliffs south along Coryell Creek, east along Big Sheep Creek, and to the west along McRae Creek.

Vegetation consists mainly of conifers and scrub bush. Numerous old clear cut logging areas are located within the group.

1.4 HISTORY

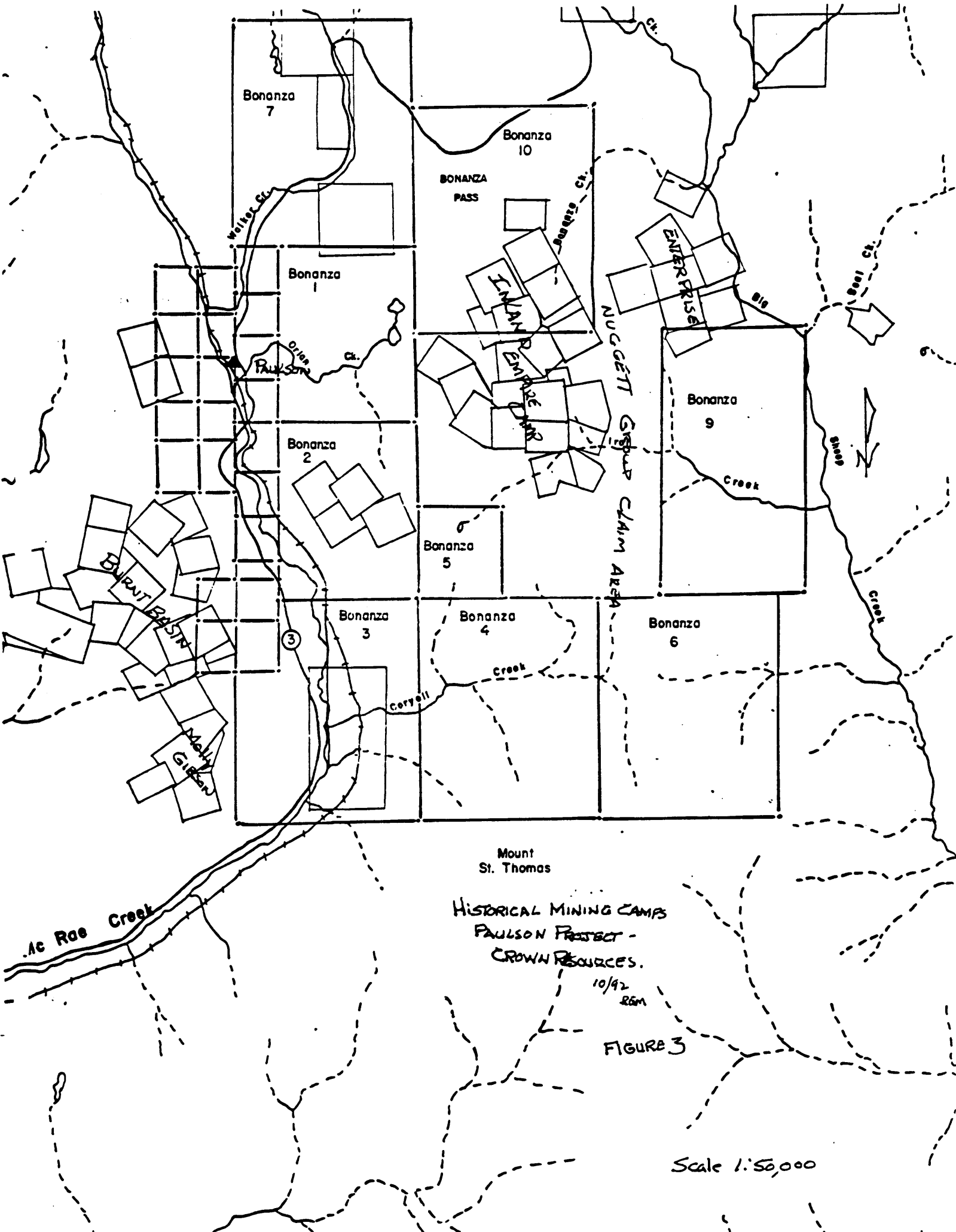
Most of the previous mineral work, near or within the

Spruce Claim Group, has been associated with the Burnt Basin and Inland Empire mining camps of which Paulson was the jumping off point along the old railroad. (Figure #3)

Historical mining efforts in the Burnt Basin Camp started in the late 1890's centering around: lead, zinc, silver, copper "replacement bodies" in the central portion of the camp along with gold mineralization at the Molly Gibson and Motherlode claims south and northwest of the central base metal showings.

Base metal production in the camp has been sporadic and no production records are readily apparent until 1948 when the Minister of Mines Report states that 14 tons of base metal ores were shipped from the Halifax claim to the smelter at Trail.

Direct shipments to off-site mills of mine run ore, mainly from the Eva Bell and Halifax claims were made from 1972-1977. Lack of concentration facilities on site to up-grade the mine run ore resulted in marginal economics and production ceased. The following table summarizes the recent base metal data, exploration efforts, and production history at Burnt Basin.



Mount
St. Thomas

HISTORICAL MINING CAMPS
PAULSON PROJECT -
CROWN RESOURCES.
10/92
RSM

FIGURE 3

Scale 1:50,000

TABLE I

1927	Minister of Mines Report: per ton Silver 10.8 oz; Lead 17.8%; Zinc 20.5%.
1948	Minister of Mines Report: 14 tons shipped: Silver 10.5 oz; Lead 18.1%; Zinc 18.3%, per ton.
1965	Christina Lake Mines - geological, geochemical and magnetometer surveys were completed. Some diamond drilling - data not available.
1968	Dalex Mines - an induced polarization survey, considerable stripping and trenching on Burnt Basin and Ajax claims. Geochemical survey, trenching and stripping and seven drill holes totalling 2,142 feet.
1972-75	Donna Mines, reports by E.O. Chisholm and H.H. Shear, line cutting and magnetometer surveys on the Eva Bell and Halifax, and five short diamond drill holes on the Eva Bell, cat trenching and percussion drilling. Shipped a total of 1,488 tons to Trail, H.B. Mines, Re-Mac Mines and Kam-Kotia.
1975-76	Alviiija Mines Ltd - produced 1,750 tons from the Eva Bell claim and shipped 535 tons yielding 3.1 oz. Ag/ton, 4.45% Pb, 6.75% Zn with 21.5% magnetite to the H.B. Mine at Salmo.
1977	Paulson Mines Ltd. completed 1,500 feet of diamond drilling on the Halifax claim and published intercepts of up to 6" grading 12.4 oz. Ag/ton, 19.7% Lead and 14.9% Zinc. (note: Details not available)
1978	Oliver Resources completed a vector Pulse E.M. Survey, I.P. Survey with about 10 km completed. Granges Exploration Ltd. completed 291 m of diamond drilling on the Eva Bell and BP No. 2 (adjoins Eva Bell to the east).
1986-87	West Rim Resources carried out extensive soil geochemical surveys in the Halifax-Eva Bell area.

The following Table II summarizes the gold exploration and
production history at Burnt Basin.

TABLE II

1909 - 1933	Shafts, tunnels and trenches on the Molly Gibson Group produced 260 tons containing 285 oz. gold and 119 oz. silver.
1909 - 1936	Molly Gibson Group an up-dated production total of 316 tons yielding 332 oz. gold.
1986 - 1987	West Rim Resources completed 420 meters of diamond drilling at the Motherlode prospect.
1988	John Worthing - Salt Lake City, Utah drilled at least 4 core holes on the Molly Gibson. (data unavailable)
1991	Orvana completed small geochemical grid on Molly Gibson.

Other gold claims in the Burnt Basin camp include the Kittie, Aldeen, Contact, Tammany and Tunnel group.

Historically, production in the Inland Empire camp, east of Paulson near Granville Mountain has been from small scale shafts, tunnels and open cuts which have produced limited tonnages of gold and silver ore. The following table lists some of the more pertinent data by claim.

TABLE III

INLAND EMPIRE GROUP:
Albion Claim

1950	shipped 25 tons containing 8 oz. gold and 38 oz. silver.
1962	shipped 152 tons containing 16 oz. gold, 147 oz. silver, 309 lbs. lead, and 309 lbs. zinc.
1964	shipped 25 tons containing 70 oz. gold, 23 oz. silver, 50 lbs. lead, and 50 lbs. zinc.

Alice L./Berlin Claims

1917	59 tons valued @ \$90-100 in gold and silver.
1918	142 tons assaying 3.0 oz/ton gold, 15.0 oz/ton silver, and 0.6% copper.
1919	65 tons containing 26 oz. gold, 83 oz. of silver and 117 lbs. copper.
1938	541 tons shipped containing 121 oz. gold, 1,142 oz. silver.
1939	467 tons yielding 80 oz. of gold and 145 oz. silver.

Inland (Inland Empire) Claim

1912	2,200 tons milled. 43 tons shipped.
------	-------------------------------------

Minor production has been reported from the Cascade - bonanza and Nugget claims on the south east side of the camp ;and in addition, the Enterprise group (Nugget 14) to the north east of Inland Empire also has recorded shipments, probably totalling less than 50 tons.

Recent efforts in the Spruce Claim Group area had centered around gold bearing quartz veins until Prominent Resources Corp's more comprehensive exploration in 1985 which focused on the viability of gold targets adjacent to the traditional camp, as well as trying to evaluate the quartz vein targets within the intrusive.

2.0 GEOLOGY

2.1 REGIONAL GEOLOGY

Carboniferous or older rocks, possibly equivalent in part to the Pennsylvanian-Permian Mt. Roberts Formation and Lower Jurassic Elise Formation of the Rosslund Group, have been intruded by Late Jurassic Early Cretaceous Nelson and Middle Eocene Coryell plutonic rocks. (Figure #4a & 4b).

Mt. Roberts Formation rocks form an elongate east west roof pendant in the central part of the project area. The pendant consists mainly of limestone, argillaceous limestone, chert, slate, pebble conglomerate and andesitic volcanics. Rocks within the pendant strike roughly north west 320° to 340° dipping 40° to 85° east and are cross cut by north trending shear zones.

Limestone and argillites are generally light gray to black in color and relatively unaltered except where skarned. Volcanic rocks are typically dark green and "intrusive



SPRUCE CLAIM
GROUP
AREA Fig 4a

Castlegar 33 km

Syringia Creek Prov. Park 11 km
Castlegar

118'00"
49'00"

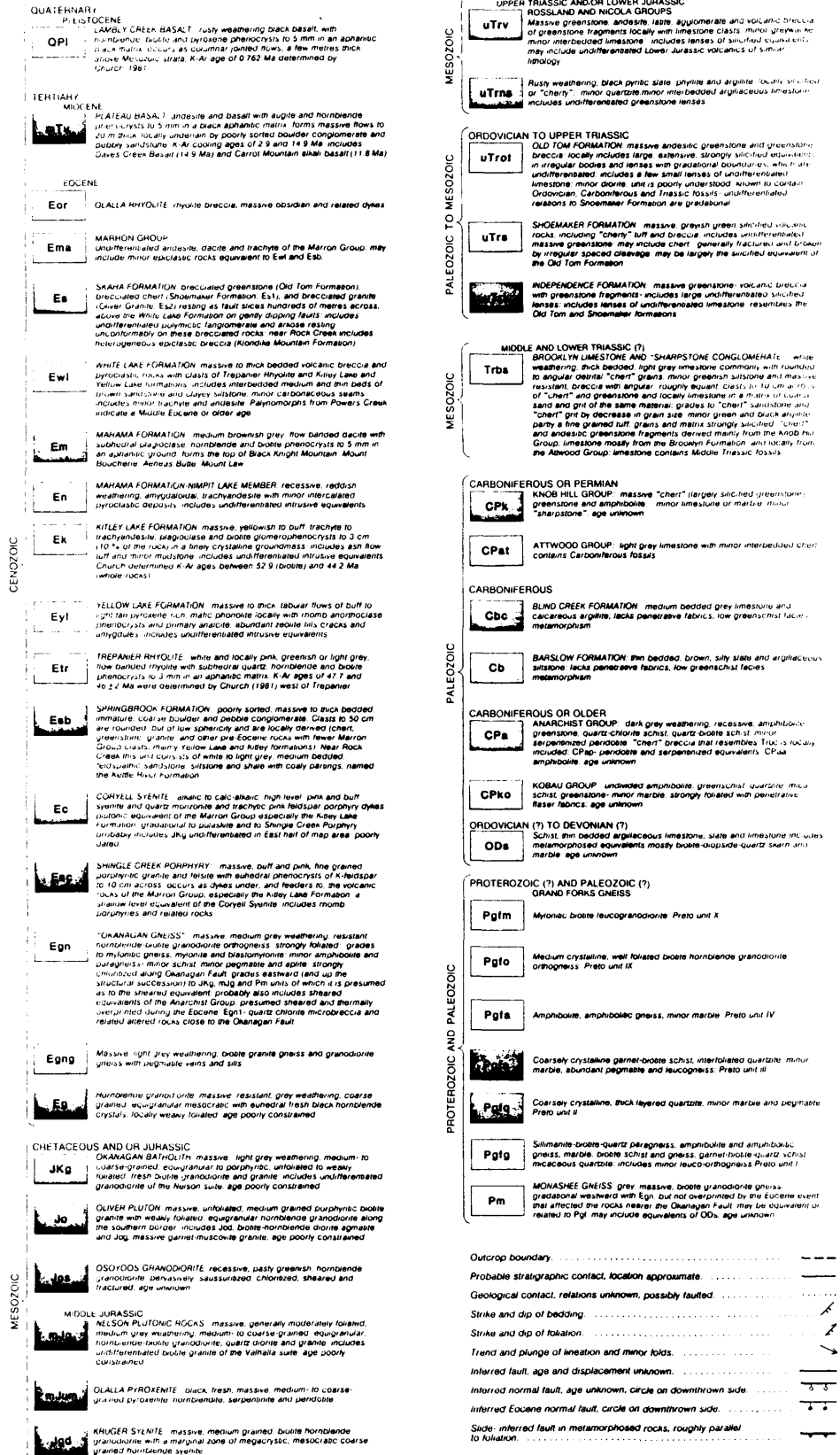
CPas CPap 30'

15'

15'

AMERICA

LEGEND



Recommended citation:
 Thompson-Kiut, D.J.
 1989. Geology, Penetion, British Columbia, Geological Survey of
 Canada, Map 1736A, scale 1:250,000.

dykes and sills" are typically light colored. Rocks equivalent? to the Rossland Group, consisting of flow breccias, volcanic breccias, andesites, basalts, agglomerates, tuffs, black laminated siltstones, and augite porphyry, outcrop throughout the property.

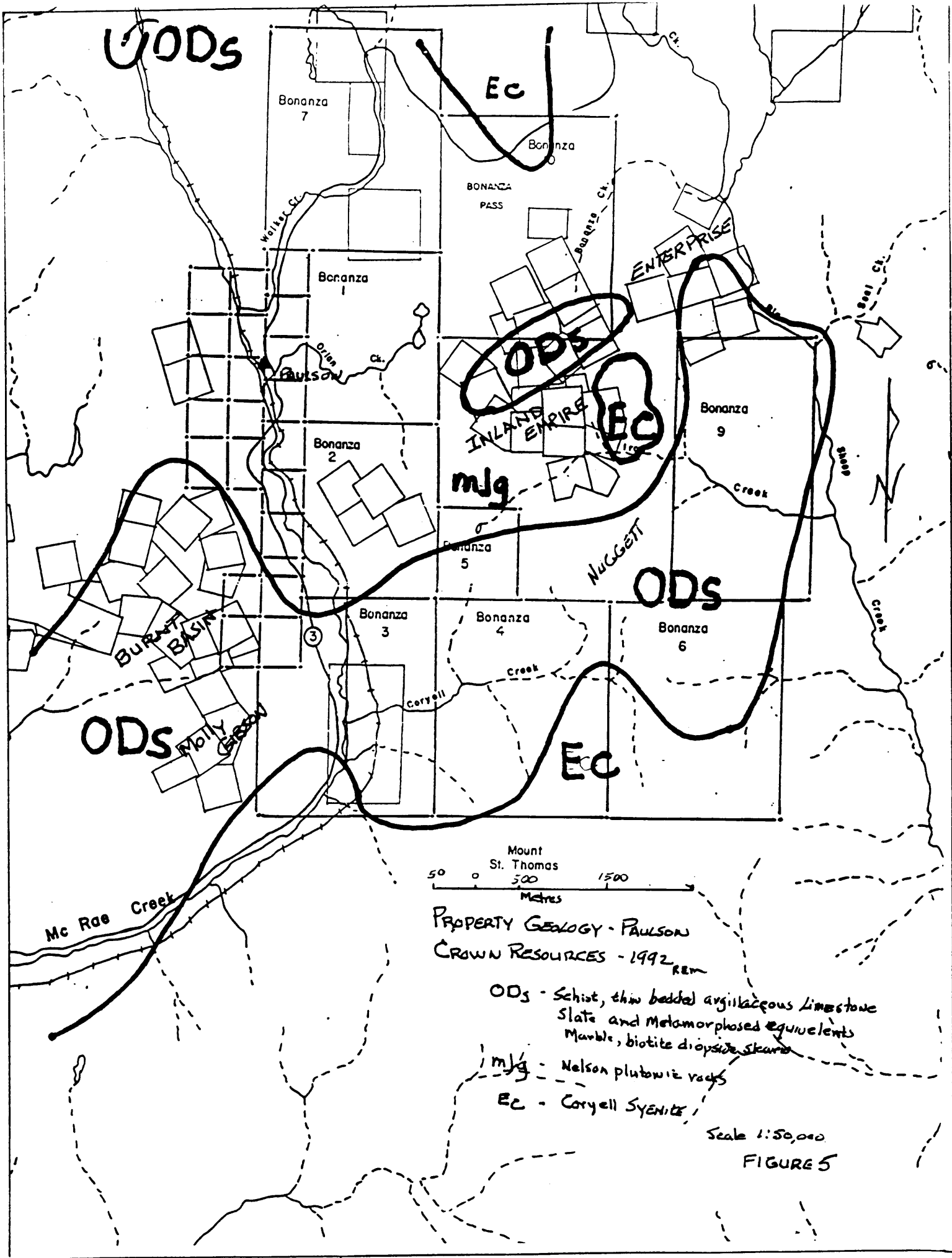
Biotite hornblende/granodiorite of the late Jurassic - Early Cretaceous Nelson intrusives cut both the Rossland Group and the Mt. Roberts Formation.

Nelson intrusive rocks have been subsequently intruded by Middle Eocene Coryell, coarse grained syenite, and quartz monzonite. Granites and monzonites of Coryell age are also common along with numerous hypabyssal prophyritic phases.

2.2 ECONOMIC GEOLOGY

Gold bearing fissure quartz veins have been found on the Burnt Basin side at the Motherlode, Kittie, Aldeen, Tammany and Tunnel group claims. Reported gold values have ranged from a trace to 22 grams per ton.

Most of the Burnt Basin (Figure #5) gold production has come from sulfide rich calc-silicate skarn bodies in a silicious limestone unit at the Molly Gibson group claims. Sulfides include pyrrhotite, pyrite and chalcopyrite. Magnetite is also present in the skarn aureole, but is



WOODS

EC

Bonanza 7

Bonanza

BONANZA PASS

ENTERPRISE

ODs

EC

Bonanza 9

mlg

Bonanza 2

Bonanza 5

NUGGETT

ODs

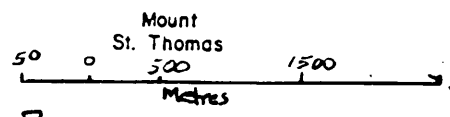
Bonanza 3

Bonanza 4

Bonanza 6

ODs

EC



PROPERTY GEOLOGY - PAULSON
CROWN RESOURCES - 1992 REM

ODs - Schist, thin bedded argillaceous limestone
Slate and Metamorphosed equivalents
Marble, biotite diopside skarn

mlg - Nelson plutonic rocks

EC - Coryell Syenite

Scale 1:50,000

FIGURE 5

usually a minor constituent except in the base metal "replacement" ore bodies where it forms bands of massive magnetite up to 2.0 meters thick.

East of Paulson the gold mineralization at the Inland Empire camp is related to north trending quartz veins cutting quartz monzonite and related intrusive bodies. These veins are usually: polymetallic, striking within 10 degrees of north, dipping steeply, faulted, and discontinuous along strike.

Alteration halos associated with the veins tend to be narrow and either propylitic or argillic. Some quartz veins exhibit epithermal banding and mineralogy while others appear to have mesothermal characteristics. Sulfide pods, disseminations, and disseminations within the quartz veins or at the vein wall rock contact, consist of all or one of the following: pyrite, arsenopyrite, chalcopyrite, galena, pyrrhotite, and sphalerite. Magnetite bearing quartz veins have been found within the Rossland? volcanics on the Spruce claims.

Skarn hosted mineralization that occurs along the south end of the limestone belt and within the Enterprise claim group (Nugget 14) to the north east, is predominantly base metal enriched. However, selective sampling of the skarn can

produce economic gold assays. Skarnification evidenced in the limestone of the Mt. Roberts Formation and Rosslund volcanic units, appears to be intensely telescoped. It is common to go from coarse marble to garnetite within a few meters along strike of the limey beds and from calcite epidote skarn to garnet magnetite skarn in less than one meter within the highly fractured volcanics.

3.0 EXPLORATION

3.1 1991 EXPLORATION PROGRAM

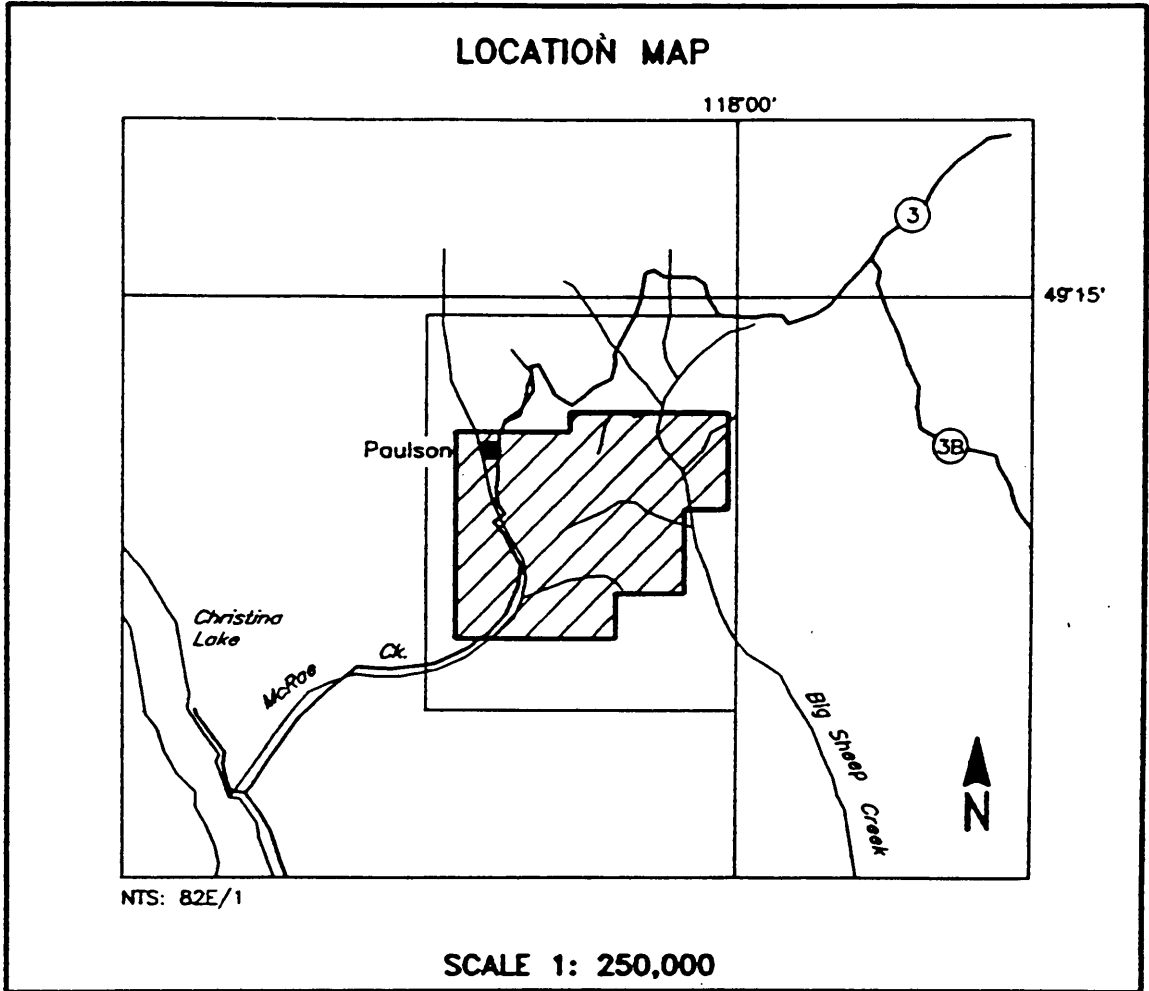
Following a literature review in March-April 1991, area wide field work began in May with geologic orientation and rock chip sampling. Samples were collected from the Molly Gibson and Eva Bell claims on the Burnt Basin side and the Inland, Washington, Saginaw FR, and Amazon claims of Granville Mtn. on the Inland Empire side (See 1992 Orion Group Assessment Report).

3.2 1992 EXPLORATION PROGRAM

Work consisted of: literature review, airborne geophysics, gridding, soil sampling, magnetometry and drilling.

3.2.1 AIRBORNE GEOPHYSICS

Dighem Surveys and Processing Inc. Mississauga, Ontario was contracted to conduct an airborne geophysical survey over



AIRBORNE GEOPHYSICAL
SURVEY AREA
PAULSON PROJECT
FIGURE 6
NW/93

Crown Resources Paulson Project in British Columbia which included the Spruce Claim Group. This survey was carried out from May 5 to May 11, 1992 covering 288 line-km and has been reported on in Crown Resources Orion Group and Bonanza Group Assessment Reports 1992.

The survey, centered at approximately $49^{\circ} 11'$ North Latitude and $118^{\circ} 4'$ West Longitude, employed the Dighem electromagnetic system with support equipment consisting of: magnetometer, radar altimeter, video camera, analog and digital recorders, a V.L.F. receiver, and an electronic navigation system. (Figure #6) Data developed from the airborne system, provided electromagnetic, resistivity, magnetic and V.L.F. coverage of the Paulson survey block, which includes the Spruce claim group.

3.2.2. GROUND GEOPHYSICS-MAGNETOMETRY

Total field intensity magnetic readings were obtained with a Geometrics Proton Magnetometer Model Number G-846, in the hand held position, at survey stations on the Spruce Grid. Stations are located every 50 meters along east-west lines that are 100 meters apart and approximately ten (10) kilometers of line were surveyed. (Map #8)

Localized magnetic highs, 57500+ gammas, in the central part of the Spruce Claims appear to correlate well with magnetite bearing intrusive float, most of which is

dioritic in composition. In some areas of increased magnetic response near the magnetic high dike-like feature, magnetite and pyrrhotite are both present in the greenstones and some syenetic dikes contain disseminated magnetite.

Other magnetic features observed to be associated with increased magnetic response include: magnetite in small discontinuous quartz veins, disseminated magnetite in greenstone, accessory minerals in some intrusives, and minor amounts of magnetite with lead zinc replacement pods near limestone-intrusive contacts.

3.2.3 GEOCHEMISTRY

Approximately one hundred and ninety-five (195) soil samples were collected along the Spruce claim group grid and the minus 80 mesh fraction of each sample was analyzed for geochem gold.

Gold in soil values were relatively weak with a high of 625 ppb within a fairly continuous anomaly as outlined by the 20 ppb gold contour. (Figure #7) West of the baseline (L-21800E) the topographic surface slopes very steeply to the west making soil sampling difficult and possibly causing some downhill dispersion of the gold in soil values.

North of L-47900N the anomalous gold in soil values are spacially located near dike and plug-like magnetic highs which in the field, appear to be the response from magnetite bearing intrusives. South of L-47900N and west of the base line (L-21800E) the high gold values fall near the east trending metasediment intrusive contact. In the same area but near the base line (L-21800E) the easterly trending metasediment-intrusive contact appears to be cut by a north easterly trending syenite dikes (?) and shear zone.

3.2.4 DRILLING

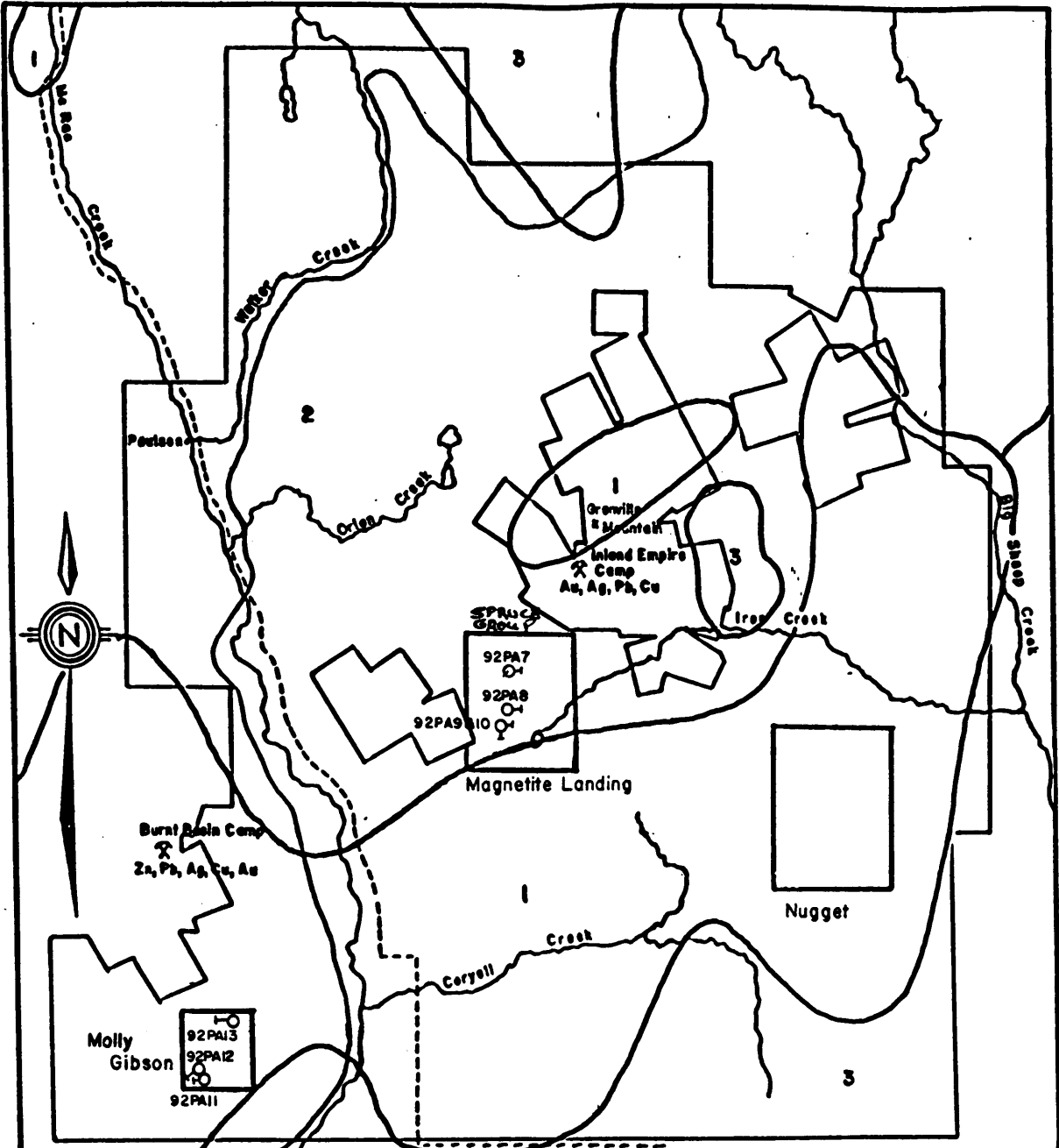
Four Reverse Circulation drill holes were located and completed on the 1992 Spruce grid to test anomalous gold related geologic parameters outlined during the 1992 field season. (Figure #9) Pertinent drill hole data for the Spruce claim group is as follows:

TABLE IV
Spruce Claim Group

1992 Reverse Circulation Drilling Engineering Data

HOLE NO.	ANGLE	BEARING	DEPTH (ft)/m
92PA #7	-45°	90°	320/97.53
92PA #8	-45°	90°	300/91.44
92PA #9	-45°	135°	250/76.20
92PA #10	-60°	90°	150/45.72

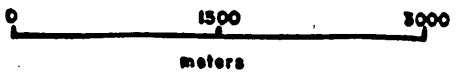
Drilling commenced in December and drill sites were selected more to physical convenience than geologic parameters



LEGEND

- 1992 RC Drilling
- TERTIARY**
- 3 MARRON GROUP—Syenite & Monzonite (Dikes & Sills)
- CRETACEOUS/JURASSIC**
- 2 Granite, Gneiss, & Diorite (Okanagan Batholith & Nelson Pluton)
- ORDOVICIAN TO TRIASSIC(?)**
- 1 ROSSLAND & ANARCHIST GROUPS(?)—Greenstone, Andesite, Schist, Argillaceous Limestone, & Limestone.

Greenwood Mining Division
Trail Creek Mining Division
Mi. St. Thomas



CROWN RESOURCES		3020 Orville Trade Creek Road Star Route 85 Orville, Washington 98844	
PAULSON PROJECT			
GEOLOGY			
TRAIL CREEK/GREENWOOD MINING DIVISION			
FIGURE 9			
SCALE:	COMPILED: JMA	REVISED:	
DATE: 7/1/93	DRAWN: RMA	DATE: 12/1/92	

Geochemical gold values of 20 ppb or greater from down hole drill cuttings were considered to be of interest in evaluating the gold in soil anomaly outlined on the Spruce claims. TABLE #IV which follows, summarizes the pertinent down hole geochemical gold values.

TABLE #V

HOLE	INTERVAL	Th. Ft.	Au (ppb)
92PA #7	0-5	5.	35 overburden
	70-75	5.	105 volcanic
	110-140	30.	302* volcanic
	145-170	25.	74 int/diorite
	205-210	5.	30 int/syenite
	215-275	60	324**int/vol/qtz
	* 1080 ppb Au from 125-130 ft		
	**1560 ppb Au from 225-230 ft		
92PA #8	0-60	60.	557* int/vol/qtz
	70-75	5.	25 volcanic
	95-100	5.	30 int/vol
	140-145	5.	30 vol/qtz
	165-170	5.	120 vol/int
	220-225	5.	25 vol/int/qtz
	*4860 ppb Au from 5-10 ft		
92PA #9	20-35	15.	120 int/vol
	45-60	15.	143 int/vol
	140-160	20.	54 volcanic
	180-200	20.	736* int/vol/qtz
	205-215	10.	62 intrusive
	220-230	10.	60 int/vol
	*2010 ppb Au from 180-185 ft		
92PA #10	0-5	5.	25 overburden
	15-20	5.	205 intrusive
	30-40	10.	48 intrusive
	70-75	5.	20 intrusive
	140-145	5.	190 intrusive

Work to date suggests that geochemical down hole gold values are related to:

1. Quartz veining (92 PA #8 5-10 feet 4860 ppb Au)
2. Contacts between syenitic dykes and volcanics (92 PA #8 225-230 feet 1560 ppb Au)
3. Epidote, garnet, calcite, magnetite skarn as patches and veinlets in altered volcanics and prophyllitically altered intrusives.

Observations, concerning the relationship between above background geochemical gold values and down hole geologic settings, from a Reverse Circulation drill hole program involving drill angles up to -45° degrees are at best, speculative.

4.0 CONCLUSION

Over one kilometer on strike and open to the south, the sinuous gold in soil anomaly appears to be related to a series of geologic parameters. On the surface, within the gold trend, mineralized quartz veining was noted along with north trending magnetite bearing intrusive rocks and shears. This appears to be structurally controlled.

Near the extreme south end of the gold anomaly, a more complicated geochemical pattern is starting to emerge and may be due to: the intersection of two mineralized trends, the intersection of the main mineralizing trend with the easterly trending metasediment roof pendant or the

dispersion of gold in soil values down a south facing slope which in turn could suggest an easterly dip to the main gold zone.

Based on drill cutting assays and observations, quartz veining, skarnification and intrusive-volcanic contacts appear to be the geologic settings that carry anomalous gold values. Downhole elevated gold assays appear to be significant enough to offer an explanation for the gold soil anomalies that lie above them and were drill tested.

Outcroppings in the vicinity of the gold in soil anomaly are scarce and reliable attitude measurements are rare. Field data from quartz veins cutting quartz monzonite on the south end of the grid, show a north-south strike and a dip of 65° - 70° to the east. Volcanic-intrusive contacts and intrusive dike-like bodies strike between 120° and 141° , and appear to be steeply dipping to vertical.

Based on the attitude of the quartz veins and the meta-sediment roof pendant, it is likely that the drill holes were at an angle sympathetic to the dip of the quartz veins.

5.0 RECOMMENDATIONS

Trace the geochemical gold in soil anomaly south to its

intersection with the east trending limestone, argillite, greenstone, meta-sediment roof pendant package.

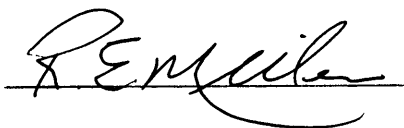
Exploration in this area would include the potential for gold skarn gold ore-bodies leading to the development of drill targets.

Continue to follow-up the Dighem airborne geophysical data as it relates to the Spruce claim mineralization.

Drill at least one Reverse Circulation drill hole due west at a shallow angle (-50° ?) from the height of land along the east side of the soil anomaly to evaluate the gold potential of an easterly dipping structure and/or quartz vein.

Continue to follow-up the Dighem airborne geophysical data as it relates to the Spruce claim mineralization.

Respectfully submitted



R.E. Miller

APPENDIX A
COST ESTIMATES

SPRUCE CLAIMS
STATEMENT OF COST

Manpower

Bob Miller - geologist 15 days \$250.00 x 15	\$ 3750.00
John Kemp - prospector 10 days \$175.00 x 10	1750.00
Kim Anshetz - helper 20 days \$100.00 x 20	2000.00
M. Fenwick-Wilson - helper 10 days \$100.00 x 10	1000.00
Stan Ruzicka - cat skinner 15 days \$110.00 x 15	1650.00

Vehicles

3 trucks x 27 x \$65.00	5265.00
Bulldozer rental 1/2 month @\$5000.00/month	2500.00
Fuel 150 gallons plus oil	450.00

Geophysics

Magnetometer rental \$15.00/day x 10 days	\$ 150.00
--	-----------

Drilling

1020 ft @\$12.50/ft	\$12,750.00
---------------------	-------------

Assays

195 soil @\$14.00	\$ 2730.00
204 drill cuttings @\$14.00	2856.00

Report, shipping, office etc	\$ 900.00
------------------------------	-----------

Total	\$37,751.00
-------	-------------

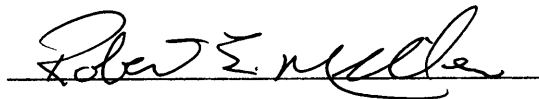
APPENDIX B
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I ROBERT E. MILLER, of Oroville, Washington U.S.A., DO
HEREBY CERTIFY:

1. THAT I am a geologist with Crown Resources Corporation,
with a business address of Star Route 85, Oroville,
Washington 98844.
2. THAT I am a graduate from Brigham Young University with
a Bachelor of Science degree in Geological Engineering
(1969).
3. THAT I have practised my profession continuously since
graduation.
4. THAT I personally conducted the 1992 exploration
program discussed in this report.

DATED this 29th day of November, 1993.



Robert E. Miller
Geological Engineer

APPENDIX C
REFERENCES

REFERENCES

- British Columbia Minister of Mines Annual Report, 1901: pg. 106, 1904: pg, 299.
- Crowe, Gregory G. M.Sc. P.Geol. and Forbes, Jonna R. B.Sc., 1985 Geological, Geochemical and Geophysical Report on the Granville Mountain Property of Prominent Resources Corporation B.C. Assessment Report 14733.
- Ruzicka, Stan. Personal communication. Maps, and Records 1991.
- Shear, H.H., 1973 Progress Report on Donna Mines. November 1973.
- Templeman-Kluit, D.J., 1989: Geology, Penticton, British Columbia. Geological Survey of Canada. Map 1736A. Scale 1:250,000.
- Von Einsiedel, C.A., 1989. Prospecting Report Josh Claim Group, Assessment Report 18560.
- Miller, R.E., 1992, Airborne Geophysical Survey on the Paulson Project, British Columbia. Assessment Report on the Bonanza Group.

APPENDIX D

ASSAYS



Chemex Labs Inc.

Analytical Chemists * Geochemists * Registered Assayers
 994 West Glendale Ave., Suite 7, Sparks,
 Nevada, U.S.A. 89431
 PHONE: 702-356-5395

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

A9122287

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

CERTIFICATE

A9122287

CROWN RESOURCE CORPORATION

Project: MIDWAY
 P.O.#:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 2-OCT-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	3	Dry, sieve to -80 mesh
298	3	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	3	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
922	3	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
921	3	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
923	3	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	3	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	3	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	3	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	3	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	3	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	3	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	3	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	3	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	3	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	3	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	3	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	3	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	3	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	3	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	3	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	3	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	3	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	3	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	3	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	3	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	3	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	3	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	3	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	3	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	3	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	3	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	3	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	3	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	3	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221

Telex: 04-352597

Fax: (604) 984-0218

Au (oz/T) : Code 398

Gold analysis is carried out by standard fire assay techniques. In the sample preparation stage the screens are checked for metallics which, if present, are assayed separately and calculated into the results obtained from the pulp assay.

A 0.5 assay ton sample is fused with a neutral flux inquarted with 2 mg of Au-free silver and then cupelled.

Silver beads for AA finish are digested for 1/2 hour in 1 ml HNO₃, then 3 ml HCl is added and digested for 1 hour. The samples are cooled and made to a volume of 10 ml, homogenized and run on the AAS with background correction.

Detection Limit 0.002 oz/T

Code 981 is the same as 398, but performed on a rush basis.

Gold FA-AA ppb - Chemex Code 100

A 10 gram sample is fused with a neutral flux inquarted with 6 mg of Au-free silver and then cupelled.

Silver beads for AA finish are digested for 1/2 hour in 0.5 ml HNO₃, then 1.5 ml HCl is added and digested for 1 hour. The samples are cooled and made to a volume of 5 ml, homogenized and run on the AAS with background correction.

Detection limit: 5 ppb



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 : 2
 Certificate Date: 08-DEC-92
 Invoice No. : 19225705
 P.O. Number :
 Account : JXX

Project : PAULSON
 Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225705

SAMPLE	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
92PA #7 000-005	205 274	35	0.2	2.21	6	120 < 0.5		4	0.61 < 0.5	16	77	84	3.87	< 10	< 1	0.19	10	1.09	685	
92PA #7 005-010	205 274	15	0.2	1.42	< 2	80 < 0.5		4	0.68 < 0.5	10	55	35	2.72	< 10	< 1	0.18	20	0.68	450	
92PA #7 010-015	205 274	10	0.2	1.16	2	80 < 0.5		6	0.72 < 0.5	7	77	19	2.41	< 10	< 1	0.19	20	0.52	350	
92PA #7 015-020	205 274	50	0.2	1.56	8	60 < 0.5		< 2	2.21 < 0.5	10	45	14	3.17	10	< 1	0.26	20	1.04	665	
92PA #7 020-025	205 274	< 5	0.2	1.76	< 2	80 < 0.5		4	2.30 < 0.5	8	77	14	3.49	10	< 1	0.29	20	1.19	680	
92PA #7 025-030	205 274	5	0.2	1.59	< 2	100 < 0.5		4	1.91 < 0.5	8	66	11	3.56	10	< 1	0.30	10	1.16	610	
92PA #7 030-035	205 274	< 5	0.2	1.73	< 2	100 < 0.5		< 2	2.08 < 0.5	9	91	16	3.64	10	< 1	0.31	20	1.20	665	
92PA #7 035-040	205 274	< 5	0.2	1.75	6	190 < 0.5		8	1.77 < 0.5	9	65	14	3.49	< 10	< 1	0.50	20	1.06	605	
92PA #7 040-045	205 274	< 5	0.2	1.82	2	240 < 0.5		2	1.60 < 0.5	8	101	15	3.52	< 10	< 1	0.63	20	1.27	620	
92PA #7 045-050	205 274	< 5	0.2	1.92	2	180 < 0.5		< 2	1.73 < 0.5	10	56	18	3.44	< 10	< 1	0.58	10	1.48	700	
92PA #7 050-055	205 274	< 5	0.2	2.38	6	280 < 0.5		< 2	1.52 < 0.5	14	57	41	4.30	< 10	< 1	1.04	< 10	2.00	780	
92PA #7 055-060	205 274	< 5	0.2	2.09	< 2	190 < 0.5		6	1.34 < 0.5	15	44	49	4.22	< 10	< 1	0.77	< 10	1.73	580	
92PA #7 060-065	205 274	< 5	0.2	2.05	14	150 < 0.5		4	2.21 < 0.5	15	65	59	4.42	< 10	< 1	0.55	< 10	1.62	765	
92PA #7 065-070	205 274	15	0.2	2.33	< 2	130 < 0.5		4	2.04 < 0.5	16	44	41	4.34	< 10	< 1	0.48	< 10	1.82	770	
92PA #7 070-075	205 274	105	0.2	2.38	4	100 < 0.5		< 2	2.35 < 0.5	16	46	46	4.52	< 10	< 1	0.43	< 10	1.98	850	
92PA #7 075-080	205 274	< 5	0.2	2.46	4	100 < 0.5		< 2	2.76 < 0.5	15	42	42	4.21	< 10	< 1	0.41	< 10	1.78	930	
92PA #7 080-085	205 274	< 5	0.2	2.07	4	60 < 0.5		4	3.29 < 0.5	16	52	71	4.39	< 10	< 1	0.32	< 10	1.49	980	
92PA #7 085-090	205 274	< 5	< 0.2	1.98	< 2	40 < 0.5		4	2.40 < 0.5	13	44	57	3.77	< 10	< 1	0.18	< 10	1.36	690	
92PA #7 090-095	205 274	< 5	0.2	2.56	< 2	110 < 0.5		10	1.99 < 0.5	15	78	51	4.18	< 10	< 1	0.46	< 10	1.81	690	
92PA #7 095-100	205 274	< 5	0.2	2.39	2	50 < 0.5		4	3.11 < 0.5	15	38	66	3.91	< 10	< 1	0.33	< 10	1.59	945	
92PA #7 100-105	205 274	10	< 0.2	2.45	6	40 < 0.5		2	1.97 < 0.5	16	50	60	4.40	< 10	< 1	0.24	< 10	1.81	800	
92PA #7 105-110	205 274	10	< 0.2	2.38	< 2	30 < 0.5		< 2	2.92 < 0.5	14	31	44	3.96	< 10	< 1	0.32	< 10	1.67	975	
92PA #7 110-115	205 274	595	0.6	1.87	< 2	30 < 0.5		2	2.99	1.0	15	45	63	3.93	< 10	< 1	0.31	< 10	1.35	1010
92PA #7 115-120	205 274	20	< 0.2	1.73	4	20 < 0.5		< 2	2.80 < 0.5	13	36	76	3.76	< 10	< 1	0.20	< 10	1.16	805	
92PA #7 120-125	205 274	20	0.2	2.30	2	20 < 0.5		< 2	3.06 < 0.5	15	43	68	4.00	< 10	< 1	0.18	< 10	1.33	845	
92PA #7 125-130	205 274	1080	1.4	2.43	< 2	30 < 0.5		< 2	2.32 < 0.5	16	40	79	4.58	< 10	< 1	0.22	< 10	1.40	740	
92PA #7 130-135	205 274	80	< 0.2	2.17	2	30 < 0.5		2	2.29 < 0.5	15	54	68	3.53	< 10	< 1	0.17	< 10	1.05	575	
92PA #7 135-140	205 274	20	< 0.2	2.31	< 2	80 < 0.5		2	1.65 < 0.5	14	37	46	3.89	< 10	< 1	0.31	< 10	1.20	500	
92PA #7 140-145	205 274	< 5	0.2	2.69	< 2	60 < 0.5		6	1.98 < 0.5	14	64	37	3.61	< 10	< 1	0.21	< 10	1.20	520	
92PA #7 145-150	205 274	155	< 0.2	2.56	< 2	70 < 0.5		2	2.16 < 0.5	15	40	55	3.75	< 10	< 1	0.31	< 10	1.32	585	
92PA #7 150-155	205 274	20	< 0.2	3.00	6	120 < 0.5		2	1.89 < 0.5	16	52	50	3.98	< 10	< 1	0.44	< 10	1.28	525	
92PA #7 155-160	205 274	80	0.2	2.69	4	40 < 0.5		< 2	2.09 < 0.5	15	50	104	3.90	< 10	< 1	0.20	< 10	1.14	455	
92PA #7 160-165	205 274	85	0.2	2.48	< 2	40 < 0.5		2	2.20 < 0.5	14	51	69	3.67	< 10	< 1	0.25	< 10	1.32	545	
92PA #7 165-170	205 274	30	< 0.2	2.16	< 2	100 < 0.5		< 2	1.44 < 0.5	14	49	32	3.58	< 10	< 1	0.31	< 10	1.61	510	
92PA #7 170-175	205 274	< 5	< 0.2	2.15	8	30 < 0.5		< 2	2.09 < 0.5	14	54	38	3.58	< 10	< 1	0.12	< 10	1.43	570	
92PA #7 175-180	205 274	< 5	< 0.2	2.19	< 2	210 < 0.5		2	1.36 < 0.5	15	49	33	4.01	< 10	< 1	0.55	< 10	1.61	530	
92PA #7 180-185	205 274	< 5	< 0.2	2.22	4	80 < 0.5		2	1.62 < 0.5	14	48	33	4.18	< 10	< 1	0.23	< 10	1.87	695	
92PA #7 185-190	205 274	< 5	< 0.2	2.31	< 2	140 < 0.5		< 2	1.91 < 0.5	15	67	28	4.51	< 10	< 1	0.41	< 10	2.04	850	
92PA #7 190-195	205 274	< 5	< 0.2	2.07	4	250 < 0.5		2	1.11 < 0.5	14	51	28	3.93	< 10	< 1	0.89	< 10	1.86	685	
92PA #7 195-200	205 274	< 5	< 0.2	1.72	< 2	210 < 0.5		2	1.37 < 0.5	10	51	18	3.37	< 10	< 1	0.62	10	1.29	615	

CERTIFICATION:

Jhai D Ma



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: 08-DEC-92
 Invoice No. : 19225705
 P.O. Number :
 Account : JXX

Project : PAULSON
 Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225705

SAMPLE	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
92PA #7 000-005	205	274	41	0.08	15	650	28	< 2	8	32	0.17	< 10	< 10	97	< 10	82
92PA #7 005-010	205	274	18	0.09	8	790	8	< 2	5	48	0.12	< 10	< 10	72	< 10	50
92PA #7 010-015	205	274	3	0.10	6	810	6	< 2	4	63	0.11	< 10	< 10	67	< 10	34
92PA #7 015-020	205	274	20	0.04	3	1190	2	< 2	6	63	0.02	< 10	< 10	69	10	50
92PA #7 020-025	205	274	155	0.08	3	1220	2	2	9	98	0.04	< 10	< 10	96	10	52
92PA #7 025-030	205	274	43	0.08	4	1120	8	< 2	9	87	0.08	< 10	< 10	103	10	48
92PA #7 030-035	205	274	12	0.11	5	1160	4	< 2	9	97	0.07	< 10	< 10	103	10	54
92PA #7 035-040	205	274	6	0.12	4	1150	4	< 2	10	120	0.10	< 10	< 10	105	10	48
92PA #7 040-045	205	274	11	0.15	8	1100	2	< 2	9	92	0.15	< 10	< 10	102	10	56
92PA #7 045-050	205	274	18	0.09	6	780	< 2	< 2	8	65	0.13	< 10	< 10	96	10	68
92PA #7 050-055	205	274	19	0.12	9	860	< 2	< 2	11	64	0.22	< 10	< 10	131	10	74
92PA #7 055-060	205	274	16	0.11	8	720	4	< 2	11	41	0.23	< 10	< 10	125	10	58
92PA #7 060-065	205	274	83	0.10	9	810	4	< 2	13	68	0.17	< 10	< 10	131	10	74
92PA #7 065-070	205	274	6	0.09	7	750	2	2	12	65	0.16	< 10	< 10	128	10	84
92PA #7 070-075	205	274	24	0.09	7	770	8	< 2	12	64	0.18	< 10	< 10	131	10	88
92PA #7 075-080	205	274	8	0.11	7	730	10	< 2	11	84	0.14	< 10	< 10	113	10	88
92PA #7 080-085	205	274	7	0.08	7	740	< 2	2	9	87	0.10	< 10	< 10	91	10	72
92PA #7 085-090	205	274	40	0.12	6	750	4	2	11	71	0.23	< 10	< 10	112	10	64
92PA #7 090-095	205	274	33	0.20	8	700	2	< 2	13	91	0.28	< 10	< 10	127	20	72
92PA #7 095-100	205	274	25	0.11	8	660	8	< 2	9	66	0.12	< 10	< 10	95	20	76
92PA #7 100-105	205	274	17	0.15	6	670	4	2	11	66	0.23	< 10	< 10	124	30	86
92PA #7 105-110	205	274	8	0.15	6	640	4	< 2	9	84	0.12	< 10	< 10	95	20	80
92PA #7 110-115	205	274	7	0.08	7	640	24	2	7	54	0.10	< 10	< 10	82	20	90
92PA #7 115-120	205	274	30	0.11	7	670	6	< 2	8	54	0.15	< 10	< 10	89	10	60
92PA #7 120-125	205	274	16	0.15	7	710	4	< 2	9	68	0.16	< 10	< 10	95	20	68
92PA #7 125-130	205	274	9	0.15	8	690	10	< 2	11	65	0.23	< 10	< 10	124	20	72
92PA #7 130-135	205	274	9	0.21	7	740	4	2	10	74	0.21	< 10	< 10	106	10	54
92PA #7 135-140	205	274	15	0.23	6	740	< 2	< 2	8	62	0.24	< 10	< 10	109	10	56
92PA #7 140-145	205	274	4	0.33	6	690	2	< 2	7	74	0.25	< 10	< 10	105	10	56
92PA #7 145-150	205	274	11	0.25	8	690	8	2	8	68	0.22	< 10	< 10	106	20	60
92PA #7 150-155	205	274	2	0.37	8	710	< 2	< 2	8	72	0.28	< 10	< 10	116	20	66
92PA #7 155-160	205	274	7	0.32	8	730	2	< 2	8	66	0.27	< 10	< 10	111	10	52
92PA #7 160-165	205	274	3	0.20	8	650	8	2	8	47	0.23	< 10	< 10	107	10	64
92PA #7 165-170	205	274	6	0.16	7	660	8	2	7	49	0.27	< 10	< 10	114	10	68
92PA #7 170-175	205	274	7	0.17	8	760	< 2	< 2	8	68	0.26	< 10	< 10	108	10	60
92PA #7 175-180	205	274	7	0.18	7	700	8	2	8	69	0.27	< 10	< 10	122	10	64
92PA #7 180-185	205	274	17	0.11	7	730	4	< 2	11	49	0.29	< 10	< 10	131	10	78
92PA #7 185-190	205	274	21	0.09	7	800	8	< 2	13	58	0.27	< 10	< 10	140	20	88
92PA #7 190-195	205	274	37	0.10	8	710	< 2	< 2	10	40	0.27	< 10	< 10	132	10	76
92PA #7 195-200	205	274	13	0.10	4	990	4	2	9	73	0.16	< 10	< 10	97	10	58

CERTIFICATION: _____

Phai D Ma



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 : 2-A
Total Pages : 2
Certificate Date: 08-DEC-92
Invoice No. : 19225705
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9225705

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	
92PA #7 200-205	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 205-210	205	274	30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 210-215	205	274	10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 215-220	205	274	580	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 220-225	205	274	705	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 225-230	205	274	1560	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 230-235	205	274	50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 235-240	205	274	20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 240-245	205	274	30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 245-250	205	274	135	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 250-255	205	274	90	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 255-260	205	274	120	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 260-265	205	274	80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 265-270	205	274	475	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 270-275	205	274	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 275-280	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 280-285	205	274	10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 285-290	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 290-295	205	274	10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 295-300	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 300-305	205	274	5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 305-310	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 310-315	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 315-320	205	274	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

CERTIFICATION:

Yhai D Ma



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

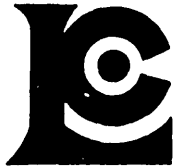
Page Number :2-B
Total Pages :2
Certificate Date: 08-DEC-92
Invoice No. :19225705
P.O. Number :
Account :JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225705

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
92PA #7 200-205	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 205-210	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 210-215	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 215-220	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 220-225	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 225-230	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 230-235	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 235-240	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 240-245	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 245-250	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 250-255	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 255-260	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 260-265	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 265-270	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 270-275	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 275-280	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 280-285	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 285-290	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 290-295	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 295-300	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 300-305	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 305-310	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 310-315	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----
92PA #7 315-320	205	274	----	----	----	----	----	----	----	----	----	----	----	----	----	----

CERTIFICATION: Yhai D'Ma



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 : 2
Certificate Date : 08-DEC-92
Invoice No. : 19225706
P.O. Number :
Account : JXX

Project : PAULSON ✓
Comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225706

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE	CODE	FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
92PA #8 000-005	205	274	425	1.0	2.49	24	90	< 0.5	2	0.29	2.0	17	43	63	4.32	< 10	< 1	0.43	10	1.64	1105
92PA #8 005-010	205	274	4860	22.6	1.93	8	80	< 0.5	6	2.93	6.0	11	76	117	3.21	< 10	< 1	0.40	< 10	1.16	1375
92PA #8 010-015	205	274	290	3.2	2.61	< 2	90	< 0.5	< 2	3.38	1.0	14	39	69	3.96	< 10	< 1	0.45	10	1.72	1295
92PA #8 015-020	205	274	330	1.6	2.20	4	60	< 0.5	2	3.85	0.5	17	81	78	3.56	< 10	< 1	0.40	< 10	1.61	1585
92PA #8 020-025	205	274	85	0.2	3.26	14	60	< 0.5	< 2	4.53	< 0.5	21	141	68	4.15	< 10	< 1	0.34	< 10	2.26	1530
92PA #8 025-030	205	274	105	0.2	2.92	4	70	< 0.5	4	4.27	7.0	19	112	67	3.64	< 10	< 1	0.44	< 10	2.12	1420
92PA #8 030-035	205	274	75	< 0.2	3.54	12	160	< 0.5	< 2	4.57	< 0.5	22	173	47	4.73	10	< 1	0.46	10	3.26	1375
92PA #8 035-040	205	274	25	< 0.2	3.39	2	200	< 0.5	2	4.62	< 0.5	21	153	22	4.98	10	< 1	0.35	30	3.41	970
92PA #8 040-045	205	274	35	< 0.2	3.67	4	260	< 0.5	4	4.52	< 0.5	23	171	31	4.98	10	< 1	0.50	20	3.30	1165
92PA #8 045-050	205	274	85	< 0.2	3.52	< 2	80	< 0.5	2	3.92	< 0.5	19	129	69	3.98	< 10	< 1	0.34	< 10	2.26	1400
92PA #8 050-055	205	274	275	1.4	2.29	4	60	< 0.5	< 2	4.13	4.5	18	146	261	4.15	< 10	< 1	0.42	< 10	1.86	1670
92PA #8 055-060	205	274	95	0.4	2.82	< 2	80	< 0.5	2	2.86	1.5	16	101	86	3.92	< 10	< 1	0.70	< 10	1.61	1125
92PA #8 060-065	205	274	< 5	< 0.2	2.63	10	180	< 0.5	4	1.91	< 0.5	16	60	48	4.44	< 10	< 1	0.68	< 10	1.72	660
92PA #8 065-070	205	274	10	< 0.2	2.41	2	80	< 0.5	4	1.44	< 0.5	18	51	71	4.81	< 10	< 1	0.88	< 10	1.48	480
92PA #8 070-075	205	274	25	< 0.2	2.77	< 2	110	< 0.5	2	1.93	< 0.5	18	85	48	4.07	< 10	< 1	0.78	< 10	1.71	585
92PA #8 075-080	205	274	< 5	< 0.2	2.72	< 2	70	< 0.5	< 2	1.73	< 0.5	17	50	42	4.31	< 10	< 1	0.89	< 10	1.59	625
92PA #8 080-085	205	274	< 5	< 0.2	2.30	< 2	100	< 0.5	4	1.43	< 0.5	16	71	43	4.16	< 10	< 1	0.86	< 10	1.45	535
92PA #8 085-090	205	274	< 5	< 0.2	1.91	< 2	130	< 0.5	< 2	1.71	< 0.5	15	50	51	3.25	< 10	< 1	0.62	< 10	1.10	490
92PA #8 090-095	205	274	15	< 0.2	2.03	8	120	< 0.5	4	2.00	< 0.5	14	68	47	3.67	< 10	< 1	0.45	< 10	1.13	480
92PA #8 095-100	205	274	30	< 0.2	1.99	4	90	< 0.5	4	1.91	< 0.5	15	55	40	3.92	< 10	< 1	0.34	< 10	1.47	535
92PA #8 100-105	205	274	< 5	< 0.2	1.84	6	110	< 0.5	2	1.86	< 0.5	16	78	37	3.79	< 10	< 1	0.36	< 10	1.30	510
92PA #8 105-110	205	274	< 5	< 0.2	1.90	4	70	< 0.5	2	1.76	< 0.5	16	42	43	3.63	< 10	< 1	0.28	< 10	1.37	570
92PA #8 110-115	205	274	< 5	< 0.2	1.55	< 2	20	< 0.5	2	2.49	< 0.5	17	64	51	3.04	< 10	< 1	0.15	< 10	0.99	620
92PA #8 115-120	205	274	< 5	< 0.2	2.57	< 2	200	< 0.5	6	1.58	< 0.5	17	76	48	4.00	< 10	< 1	0.72	< 10	1.54	550
92PA #8 120-125	205	274	< 5	< 0.2	2.31	4	200	< 0.5	6	1.56	< 0.5	17	87	39	4.06	< 10	< 1	0.60	< 10	1.48	520
92PA #8 125-130	205	274	< 5	< 0.2	2.21	< 2	240	< 0.5	2	1.39	< 0.5	17	66	39	3.78	< 10	< 1	0.75	< 10	1.37	545
92PA #8 130-135	205	274	< 5	< 0.2	2.67	8	110	< 0.5	4	2.33	< 0.5	16	53	37	4.05	< 10	< 1	0.38	< 10	1.72	760
92PA #8 135-140	205	274	10	< 0.2	2.38	4	80	< 0.5	4	1.98	< 0.5	15	46	34	3.71	< 10	< 1	0.28	< 10	1.44	595
92PA #8 140-145	205	274	30	< 0.2	2.62	2	80	< 0.5	4	2.03	< 0.5	15	44	38	4.02	< 10	< 1	0.22	< 10	1.35	515
92PA #8 145-150	205	274	< 5	< 0.2	2.48	< 2	20	< 0.5	< 2	2.74	< 0.5	16	54	49	4.10	< 10	< 1	0.11	< 10	1.31	545
92PA #8 150-155	205	274	< 5	< 0.2	3.07	< 2	20	< 0.5	6	2.77	< 0.5	16	33	40	4.05	< 10	< 1	0.11	< 10	1.49	520
92PA #8 155-160	205	274	< 5	< 0.2	2.58	< 2	150	< 0.5	2	1.75	< 0.5	16	55	46	3.92	< 10	< 1	0.48	< 10	1.62	515
92PA #8 160-165	205	274	< 5	0.2	2.31	12	120	< 0.5	4	1.83	< 0.5	15	87	52	3.94	< 10	< 1	0.44	< 10	1.36	485
92PA #8 165-170	205	274	20	< 0.2	1.94	< 2	30	< 0.5	4	2.58	< 0.5	16	55	62	3.39	< 10	< 1	0.14	< 10	0.69	420
92PA #8 170-175	205	274	< 5	< 0.2	2.40	6	60	< 0.5	6	2.85	< 0.5	15	72	48	3.72	< 10	< 1	0.23	< 10	0.88	560
92PA #8 175-180	205	274	< 5	< 0.2	2.59	4	80	< 0.5	6	1.80	< 0.5	20	61	64	5.15	< 10	< 1	0.59	< 10	1.61	580
92PA #8 180-185	205	274	< 5	< 0.2	2.26	4	110	< 0.5	2	3.17	< 0.5	14	58	46	3.49	< 10	< 1	0.47	< 10	1.41	630
92PA #8 185-190	205	274	< 5	< 0.2	1.47	2	70	< 0.5	4	1.97	< 0.5	14	96	46	3.09	< 10	< 1	0.28	< 10	0.93	430
92PA #8 190-195	205	274	< 5	< 0.2	2.08	< 2	190	< 0.5	2	1.96	< 0.5	15	66	39	3.55	< 10	< 1	0.60	< 10	1.37	530
92PA #8 195-200	205	274	< 5	< 0.2	1.67	2	230	< 0.5	2	1.36	< 0.5	15	75	35	3.24	< 10	< 1	0.60	< 10	1.16	440

CERTIFICATION:

Phai D Ma



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: 08-DEC-92
Invoice No. : 19225706
P.O. Number :
Account : JXX

Project : PAULSON
Comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9225706

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
92PA #8 000-005	205	274	11	0.05	7	700	22	2	12	22	0.01	< 10	< 10	98	10	124
92PA #8 005-010	205	274	18	0.02	6	430	164	< 2	7	33	0.01	< 10	< 10	63	10	138
92PA #8 010-015	205	274	20	0.07	6	600	40	< 2	11	54	0.05	< 10	< 10	109	20	102
92PA #8 015-020	205	274	33	0.06	16	590	38	< 2	10	78	0.04	< 10	< 10	87	10	94
92PA #8 020-025	205	274	46	0.16	29	770	10	< 2	16	97	0.12	< 10	< 10	131	20	98
92PA #8 025-030	205	274	11	0.12	26	710	14	2	14	85	0.10	< 10	< 10	114	20	196
92PA #8 030-035	205	274	2	0.13	30	1470	14	< 2	18	251	0.07	< 10	< 10	144	30	88
92PA #8 035-040	205	274	1	0.10	23	1980	12	< 2	18	305	0.06	< 10	< 10	153	30	82
92PA #8 040-045	205	274	20	0.15	27	1640	12	< 2	19	245	0.09	< 10	< 10	157	30	106
92PA #8 045-050	205	274	61	0.26	26	720	10	2	17	123	0.16	< 10	< 10	149	20	116
92PA #8 050-055	205	274	45	0.04	22	600	396	< 2	11	74	0.05	< 10	< 10	97	20	184
92PA #8 055-060	205	274	66	0.17	14	640	50	< 2	11	80	0.14	< 10	< 10	115	20	122
92PA #8 060-065	205	274	35	0.20	8	640	6	< 2	10	71	0.26	< 10	< 10	134	80	90
92PA #8 065-070	205	274	63	0.21	9	630	12	< 2	9	68	0.24	< 10	< 10	120	40	72
92PA #8 070-075	205	274	281	0.28	9	780	4	2	9	93	0.24	< 10	< 10	123	20	76
92PA #8 075-080	205	274	35	0.25	8	640	2	< 2	10	80	0.23	< 10	< 10	126	20	82
92PA #8 080-085	205	274	70	0.21	8	690	6	< 2	9	69	0.27	< 10	< 10	125	10	70
92PA #8 085-090	205	274	31	0.17	7	730	6	< 2	6	75	0.26	< 10	< 10	98	30	58
92PA #8 090-095	205	274	31	0.16	7	690	8	< 2	9	64	0.29	< 10	< 10	110	10	56
92PA #8 095-100	205	274	81	0.11	8	650	8	2	10	54	0.27	< 10	< 10	120	10	64
92PA #8 100-105	205	274	10	0.14	9	630	8	< 2	10	66	0.29	< 10	< 10	117	10	56
92PA #8 105-110	205	274	8	0.14	6	750	2	< 2	7	54	0.29	< 10	< 10	104	10	76
92PA #8 110-115	205	274	15	0.11	9	720	2	< 2	7	62	0.26	< 10	< 10	91	10	64
92PA #8 115-120	205	274	14	0.26	9	690	2	< 2	8	65	0.34	< 10	< 10	127	10	74
92PA #8 120-125	205	274	27	0.23	9	670	6	< 2	10	67	0.33	< 10	< 10	131	10	60
92PA #8 125-130	205	274	49	0.24	7	700	< 2	< 2	8	70	0.31	< 10	< 10	119	10	66
92PA #8 130-135	205	274	62	0.21	7	760	6	< 2	10	95	0.25	< 10	< 10	116	10	80
92PA #8 135-140	205	274	12	0.21	6	750	8	< 2	7	65	0.29	< 10	< 10	115	10	66
92PA #8 140-145	205	274	15	0.27	6	700	< 2	2	8	73	0.32	< 10	< 10	128	10	62
92PA #8 145-150	205	274	10	0.18	7	760	8	< 2	11	67	0.31	< 10	< 10	127	20	60
92PA #8 150-155	205	274	2	0.22	4	670	4	< 2	8	71	0.31	< 10	< 10	124	10	64
92PA #8 155-160	205	274	13	0.20	8	640	4	< 2	10	54	0.34	< 10	< 10	127	20	60
92PA #8 160-165	205	274	125	0.21	7	640	6	< 2	11	59	0.33	< 10	< 10	121	10	62
92PA #8 165-170	205	274	37	0.21	8	710	4	< 2	7	78	0.30	< 10	< 10	101	10	40
92PA #8 170-175	205	274	25	0.24	8	710	2	< 2	10	76	0.29	< 10	< 10	116	10	58
92PA #8 175-180	205	274	37	0.21	9	690	8	< 2	11	66	0.32	< 10	< 10	133	10	70
92PA #8 180-185	205	274	115	0.10	7	670	14	2	13	57	0.21	< 10	< 10	120	20	82
92PA #8 185-190	205	274	105	0.12	8	670	2	< 2	8	58	0.26	< 10	< 10	97	50	44
92PA #8 190-195	205	274	50	0.19	8	650	8	< 2	9	70	0.24	< 10	< 10	116	10	62
92PA #8 195-200	205	274	43	0.14	8	580	< 2	< 2	8	42	0.26	< 10	< 10	107	10	56

CERTIFICATION:

Jhai D Ma



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 : 2-A
Total Pages : 2
Certificate Date: 08-DEC-92
Invoice No. : 19225706
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9225706

SAMPLE	PREP		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
92PA #8 200-205	205	274	< 5	< 0.2	1.78	< 2	100	< 0.5	2	2.09	< 0.5	16	62	40	3.38	< 10	< 1	0.32	< 10	1.10	540
92PA #8 205-210	205	274	< 5	< 0.2	2.09	< 2	120	< 0.5	4	1.76	< 0.5	16	74	30	3.57	< 10	< 1	0.35	< 10	1.05	445
92PA #8 210-215	205	274	< 5	0.2	3.52	4	130	< 0.5	< 2	2.57	< 0.5	16	57	34	3.78	< 10	< 1	0.59	< 10	1.47	815
92PA #8 215-220	205	274	< 5	0.2	4.02	< 2	90	< 0.5	< 2	3.10	< 0.5	16	54	34	4.03	< 10	< 1	0.64	< 10	1.68	925
92PA #8 220-225	205	274	25	< 0.2	2.70	2	70	< 0.5	4	3.33	< 0.5	16	56	44	3.47	< 10	< 1	0.30	< 10	1.43	750
92PA #8 225-230	205	274	< 5	< 0.2	3.07	10	150	< 0.5	4	2.45	< 0.5	17	62	39	3.88	< 10	< 1	0.60	< 10	1.56	690
92PA #8 230-235	205	274	< 5	0.2	3.52	< 2	150	< 0.5	4	2.41	< 0.5	17	50	44	4.01	< 10	< 1	0.74	< 10	1.67	710
92PA #8 235-240	205	274	< 5	0.2	2.72	6	170	< 0.5	4	1.89	< 0.5	18	72	42	3.74	< 10	< 1	0.67	< 10	1.47	510
92PA #8 240-245	205	274	< 5	0.2	2.28	< 2	140	< 0.5	4	1.79	< 0.5	16	71	41	3.63	< 10	< 1	0.55	< 10	1.13	485
92PA #8 245-250	205	274	< 5	< 0.2	2.34	4	140	< 0.5	< 2	1.78	< 0.5	16	52	36	3.95	< 10	< 1	0.57	< 10	1.43	525
92PA #8 250-255	205	274	< 5	0.2	2.57	< 2	160	< 0.5	4	2.25	< 0.5	16	59	36	3.61	< 10	< 1	0.48	< 10	1.27	545
92PA #8 255-260	205	274	< 5	< 0.2	3.17	4	240	< 0.5	< 2	1.74	< 0.5	15	51	33	4.38	< 10	< 1	0.90	< 10	1.92	570
92PA #8 260-265	205	274	< 5	0.2	2.89	2	180	< 0.5	2	1.60	< 0.5	17	50	40	4.53	< 10	< 1	0.98	< 10	2.10	605
92PA #8 265-270	205	274	< 5	< 0.2	2.55	2	80	< 0.5	4	2.14	< 0.5	17	44	50	3.84	< 10	< 1	0.30	< 10	1.14	505
92PA #8 270-275	205	274	< 5	< 0.2	2.56	2	30	< 0.5	4	2.70	< 0.5	15	54	47	3.77	< 10	< 1	0.12	< 10	0.66	480
92PA #8 275-280	205	274	< 5	< 0.2	2.45	6	30	< 0.5	2	2.68	< 0.5	16	43	53	3.57	< 10	< 1	0.09	< 10	0.75	515
92PA #8 280-285	205	274	< 5	< 0.2	3.07	6	40	< 0.5	4	2.86	< 0.5	14	39	35	4.55	< 10	< 1	0.16	< 10	2.12	815
92PA #8 285-290	205	274	< 5	< 0.2	2.73	< 2	30	< 0.5	2	2.62	< 0.5	14	32	43	3.81	< 10	< 1	0.11	< 10	1.84	695
92PA #8 290-295	205	274	< 5	< 0.2	2.64	< 2	150	< 0.5	4	2.04	< 0.5	13	41	42	3.37	< 10	< 1	0.49	< 10	1.46	575
92PA #8 295-300	205	274	< 5	< 0.2	2.62	4	200	< 0.5	< 2	2.03	< 0.5	14	41	28	4.21	< 10	< 1	0.63	< 10	1.96	785

CERTIFICATION: *Jhai D Ma*



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 : 2-B
Total Pages : 2
Certificate Date: 08-DEC-92
Invoice No. : 19225706
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9225706

SAMPLE	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
92PA #8 200-205	205 274	7	0.25	7	720	4	< 2	10	79	0.26	< 10	< 10	112	10	46
92PA #8 205-210	205 274	8	0.26	7	700	2	2	8	95	0.25	< 10	< 10	125	20	48
92PA #8 210-215	205 274	21	0.40	8	660	2	< 2	12	94	0.26	< 10	< 10	127	10	168
92PA #8 215-220	205 274	28	0.32	7	680	2	< 2	13	86	0.25	< 10	< 10	127	20	206
92PA #8 220-225	205 274	58	0.21	7	610	20	< 2	12	93	0.15	< 10	< 10	109	10	106
92PA #8 225-230	205 274	22	0.35	7	660	8	2	13	103	0.23	< 10	< 10	128	10	80
92PA #8 230-235	205 274	29	0.28	6	660	12	< 2	12	67	0.29	< 10	< 10	129	20	76
92PA #8 235-240	205 274	65	0.29	7	620	4	2	10	79	0.29	< 10	< 10	124	10	60
92PA #8 240-245	205 274	32	0.28	8	660	4	< 2	10	84	0.32	< 10	< 10	120	10	50
92PA #8 245-250	205 274	30	0.21	6	630	6	< 2	10	62	0.26	< 10	< 10	105	10	56
92PA #8 250-255	205 274	20	0.29	7	700	8	< 2	11	94	0.25	< 10	< 10	102	10	50
92PA #8 255-260	205 274	26	0.28	2	770	< 2	< 2	13	84	0.28	< 10	< 10	122	10	70
92PA #8 260-265	205 274	62	0.19	7	730	6	< 2	14	66	0.29	< 10	< 10	139	10	72
92PA #8 265-270	205 274	57	0.27	8	660	4	< 2	9	79	0.22	< 10	< 10	104	10	48
92PA #8 270-275	205 274	105	0.29	6	730	< 2	< 2	8	105	0.22	< 10	< 10	100	10	38
92PA #8 275-280	205 274	65	0.27	8	690	6	< 2	8	87	0.22	< 10	< 10	95	10	40
92PA #8 280-285	205 274	35	0.16	7	700	4	2	15	63	0.24	< 10	< 10	136	20	76
92PA #8 285-290	205 274	74	0.13	5	670	8	< 2	13	61	0.22	< 10	< 10	115	10	64
92PA #8 290-295	205 274	13	0.22	4	660	2	< 2	9	83	0.25	< 10	< 10	94	10	54
92PA #8 295-300	205 274	30	0.16	6	690	< 2	< 2	13	67	0.27	< 10	< 10	126	10	70

CERTIFICATION:

Phai D Ma



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 :2
Certificate Date: 08-DEC-92
Invoice No. :19225707
P.O. Number :
Account :JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225707

SAMPLE	PREP CODE		Au ppb	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
	205	274	PA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
92PA #9 000-005	205	274	15	0.2	3.04	4	130	< 0.5	2	0.66	2.5	16	62	42	4.05	< 10	< 1	0.22	< 10	1.22	1030
92PA #9 005-010	205	274	< 5	0.4	2.58	14	110	< 0.5	< 2	0.71	1.0	15	56	43	3.93	< 10	< 1	0.24	< 10	1.40	755
92PA #9 010-015	205	274	< 5	0.2	2.09	10	80	< 0.5	6	0.70	0.5	15	63	40	3.94	< 10	< 1	0.24	< 10	1.42	680
92PA #9 015-020	205	274	10	0.2	2.86	2	70	< 0.5	4	1.10	< 0.5	18	44	40	4.69	< 10	< 1	0.25	< 10	2.09	880
92PA #9 020-025	205	274	265	< 0.2	2.73	< 2	80	< 0.5	2	2.89	< 0.5	16	43	51	4.37	< 10	< 1	0.32	< 10	1.84	885
92PA #9 025-030	205	274	20	< 0.2	2.52	< 2	60	< 0.5	< 2	3.31	< 0.5	15	33	28	4.10	< 10	< 1	0.27	< 10	1.84	860
92PA #9 030-035	205	274	75	0.4	1.54	4	40	< 0.5	2	3.19	1.0	16	50	47	3.35	< 10	< 1	0.28	< 10	1.17	965
92PA #9 035-040	205	274	5	0.2	1.78	< 2	60	< 0.5	6	2.16	< 0.5	15	70	27	3.08	< 10	< 1	0.23	< 10	1.62	725
92PA #9 040-045	205	274	10	0.2	1.66	< 2	80	< 0.5	8	1.92	< 0.5	16	60	49	3.58	< 10	< 1	0.26	< 10	1.23	640
92PA #9 045-050	205	274	100	0.2	1.81	< 2	30	< 0.5	6	2.54	< 0.5	15	48	41	3.28	< 10	< 1	0.18	< 10	1.13	680
92PA #9 050-055	205	274	180	0.2	1.81	< 2	50	< 0.5	< 2	2.99	1.0	17	75	66	3.89	< 10	< 1	0.37	< 10	1.24	950
92PA #9 055-060	205	274	150	0.4	2.12	4	60	< 0.5	4	3.28	0.5	15	52	59	3.82	< 10	< 1	0.40	< 10	1.39	830
92PA #9 060-065	205	274	10	0.4	1.88	6	40	< 0.5	2	1.90	< 0.5	17	77	57	3.48	< 10	< 1	0.21	< 10	0.91	445
92PA #9 065-070	205	274	15	0.4	1.75	< 2	40	< 0.5	2	2.39	< 0.5	16	61	48	3.22	< 10	< 1	0.25	< 10	1.07	620
92PA #9 070-075	205	274	< 5	0.2	2.74	8	210	< 0.5	6	3.34	< 0.5	18	37	20	5.03	10	< 1	0.22	20	2.32	835
92PA #9 075-080	205	274	< 5	0.2	2.60	< 2	200	< 0.5	2	2.65	< 0.5	16	45	31	4.42	< 10	< 1	0.33	10	1.82	720
92PA #9 080-085	205	274	< 5	0.2	2.29	< 2	90	< 0.5	8	2.28	< 0.5	14	52	41	3.47	< 10	< 1	0.37	< 10	1.21	620
92PA #9 085-090	205	274	< 5	0.2	2.26	4	140	< 0.5	< 2	2.35	< 0.5	14	56	37	3.39	< 10	< 1	0.45	< 10	1.39	515
92PA #9 090-095	205	274	< 5	< 0.2	2.19	< 2	90	< 0.5	< 2	5.39	< 0.5	16	51	31	3.22	< 10	< 1	0.29	< 10	1.37	870
92PA #9 095-100	205	274	< 5	0.2	2.43	8	90	< 0.5	< 2	4.06	< 0.5	17	51	44	3.26	< 10	< 1	0.18	< 10	1.13	700
92PA #9 100-105	205	274	10	< 0.2	2.13	20	60	< 0.5	2	2.43	< 0.5	16	41	30	3.46	< 10	< 1	0.23	< 10	1.26	595
92PA #9 105-110	205	274	< 5	0.2	2.60	< 2	100	< 0.5	< 2	2.51	< 0.5	17	41	29	4.46	< 10	< 1	0.32	< 10	1.66	700
92PA #9 110-115	205	274	< 5	0.2	2.32	< 2	90	< 0.5	6	2.00	< 0.5	16	55	40	3.86	< 10	< 1	0.33	< 10	1.45	515
92PA #9 115-120	205	274	10	0.2	1.81	< 2	20	< 0.5	2	2.03	< 0.5	17	35	39	3.21	< 10	< 1	0.11	< 10	1.11	460
92PA #9 120-125	205	274	15	0.2	2.02	< 2	20	< 0.5	4	2.44	< 0.5	15	69	33	3.18	< 10	< 1	0.12	< 10	1.22	525
92PA #9 125-130	205	274	15	0.2	2.41	14	30	< 0.5	< 2	2.52	< 0.5	16	51	36	3.69	< 10	< 1	0.14	< 10	1.39	525
92PA #9 130-135	205	274	10	0.4	2.46	4	20	< 0.5	4	2.54	< 0.5	16	63	51	3.19	< 10	< 1	0.15	< 10	1.07	475
92PA #9 135-140	205	274	5	0.2	2.97	< 2	30	< 0.5	6	3.02	< 0.5	13	39	31	3.01	< 10	< 1	0.16	< 10	1.01	485
92PA #9 140-145	205	274	120	0.2	2.51	< 2	70	< 0.5	6	2.24	< 0.5	15	66	46	4.08	< 10	< 1	0.29	< 10	1.38	680
92PA #9 145-150	205	274	40	0.4	2.83	4	70	< 0.5	4	4.04	< 0.5	13	41	30	3.69	< 10	< 1	0.37	< 10	1.56	880
92PA #9 150-155	205	274	35	0.2	2.75	2	290	< 0.5	2	1.38	< 0.5	15	52	35	4.63	< 10	< 1	0.94	< 10	1.88	590
92PA #9 155-160	205	274	20	0.2	2.28	< 2	90	< 0.5	4	2.54	< 0.5	14	59	41	3.42	< 10	< 1	0.31	< 10	1.35	565
92PA #9 160-165	205	274	< 5	0.2	1.58	8	60	< 0.5	< 2	1.77	< 0.5	16	76	47	3.30	< 10	< 1	0.25	< 10	1.15	470
92PA #9 165-170	205	274	< 5	< 0.2	2.34	4	80	< 0.5	6	2.93	< 0.5	15	46	30	4.23	< 10	< 1	0.31	< 10	1.71	740
92PA #9 170-175	205	274	20	< 0.2	2.38	< 2	80	< 0.5	< 2	2.63	< 0.5	15	46	29	4.18	< 10	< 1	0.35	< 10	1.65	720
92PA #9 175-180	205	274	< 5	0.2	2.02	6	80	< 0.5	4	2.12	< 0.5	17	59	35	4.05	< 10	< 1	0.29	< 10	1.33	605
92PA #9 180-185	205	274	2010	1.0	1.98	12	30	< 0.5	< 2	3.92	5.0	15	42	59	3.62	< 10	< 1	0.28	< 10	1.55	1225
92PA #9 185-190	205	274	715	0.6	1.96	12	70	< 0.5	2	3.09	< 0.5	13	34	37	3.49	< 10	< 1	0.29	< 10	1.38	845
92PA #9 190-195	205	274	145	0.4	2.12	4	40	< 0.5	4	3.04	0.5	16	54	73	3.94	< 10	< 1	0.33	< 10	1.31	1105
92PA #9 195-200	205	274	75	0.4	1.84	16	40	< 0.5	2	3.55	5.5	13	85	52	4.16	< 10	< 1	0.42	< 10	1.27	1340

CERTIFICATION:

Phai D Ma



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: 08-DEC-92
Invoice No. : 19225707
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9225707

SAMPLE	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
92PA #9 000-005	205 274	8	0.09	9	1120	30	< 2	8	34	0.20	< 10	< 10	109	< 10	208
92PA #9 005-010	205 274	8	0.10	12	900	36	< 2	9	38	0.16	< 10	< 10	107	< 10	150
92PA #9 010-015	205 274	10	0.10	10	850	6	< 2	9	47	0.14	< 10	< 10	107	< 10	110
92PA #9 015-020	205 274	7	0.13	10	830	8	< 2	12	48	0.19	< 10	< 10	131	< 10	132
92PA #9 020-025	205 274	4	0.14	6	770	4	< 2	11	89	0.12	< 10	< 10	110	< 10	90
92PA #9 025-030	205 274	2	0.09	6	670	4	< 2	10	79	0.06	< 10	< 10	103	< 10	90
92PA #9 030-035	205 274	8	0.06	8	690	12	< 2	8	66	0.10	< 10	< 10	76	< 10	104
92PA #9 035-040	205 274	62	0.10	9	860	2	< 2	11	50	0.24	< 10	< 10	108	< 10	86
92PA #9 040-045	205 274	7	0.07	10	630	4	< 2	10	40	0.13	< 10	< 10	98	< 10	70
92PA #9 045-050	205 274	10	0.13	8	630	4	< 2	10	62	0.23	< 10	< 10	102	< 10	80
92PA #9 050-055	205 274	14	0.06	8	650	8	2	8	52	0.09	< 10	< 10	87	< 10	116
92PA #9 055-060	205 274	7	0.08	7	650	6	2	9	72	0.15	< 10	< 10	90	< 10	98
92PA #9 060-065	205 274	6	0.17	8	720	2	< 2	9	73	0.30	< 10	< 10	110	< 10	46
92PA #9 065-070	205 274	3	0.13	9	670	4	< 2	8	60	0.24	< 10	< 10	88	< 10	70
92PA #9 070-075	205 274	< 1	0.15	4	1810	12	2	15	198	0.18	< 10	< 10	162	< 10	90
92PA #9 075-080	205 274	3	0.21	4	1290	4	< 2	13	171	0.26	< 10	< 10	142	< 10	72
92PA #9 080-085	205 274	3	0.21	6	700	8	< 2	9	80	0.24	< 10	< 10	102	< 10	68
92PA #9 085-090	205 274	3	0.20	7	630	2	< 2	10	73	0.22	< 10	< 10	104	< 10	62
92PA #9 090-095	205 274	13	0.10	7	560	4	< 2	10	113	0.06	< 10	< 10	76	< 10	72
92PA #9 095-100	205 274	1	0.15	8	660	8	< 2	10	107	0.13	< 10	< 10	89	< 10	76
92PA #9 100-105	205 274	< 1	0.16	6	600	6	< 2	12	75	0.14	< 10	< 10	108	< 10	78
92PA #9 105-110	205 274	< 1	0.16	7	650	< 2	< 2	14	86	0.13	< 10	< 10	125	< 10	84
92PA #9 110-115	205 274	6	0.17	8	700	< 2	< 2	9	72	0.24	< 10	< 10	112	< 10	70
92PA #9 115-120	205 274	3	0.15	7	680	4	< 2	8	55	0.27	< 10	< 10	97	< 10	50
92PA #9 120-125	205 274	2	0.16	8	650	8	2	10	59	0.27	< 10	< 10	99	< 10	60
92PA #9 125-130	205 274	3	0.17	6	630	12	< 2	12	72	0.28	< 10	< 10	112	< 10	72
92PA #9 130-135	205 274	< 1	0.24	6	720	8	< 2	9	98	0.31	< 10	< 10	101	< 10	54
92PA #9 135-140	205 274	8	0.20	4	710	12	2	9	179	0.24	< 10	< 10	89	< 10	64
92PA #9 140-145	205 274	4	0.23	7	840	6	< 2	12	97	0.30	< 10	< 10	109	< 10	132
92PA #9 145-150	205 274	< 1	0.17	3	710	6	< 2	11	91	0.21	< 10	< 10	88	< 10	108
92PA #9 150-155	205 274	3	0.18	7	850	8	< 2	11	53	0.28	< 10	< 10	130	< 10	104
92PA #9 155-160	205 274	39	0.22	7	730	8	< 2	8	76	0.29	< 10	< 10	107	< 10	90
92PA #9 160-165	205 274	34	0.14	9	730	8	< 2	10	47	0.29	< 10	< 10	111	< 10	58
92PA #9 165-170	205 274	15	0.09	7	670	2	< 2	11	57	0.14	< 10	< 10	105	< 10	80
92PA #9 170-175	205 274	14	0.08	6	750	8	< 2	10	47	0.07	< 10	< 10	97	< 10	84
92PA #9 175-180	205 274	19	0.13	7	760	6	< 2	11	44	0.19	< 10	< 10	113	< 10	72
92PA #9 180-185	205 274	4	0.06	6	710	14	< 2	10	50	0.13	< 10	< 10	85	< 10	154
92PA #9 185-190	205 274	12	0.10	7	730	8	2	9	62	0.14	< 10	< 10	91	< 10	108
92PA #9 190-195	205 274	15	0.11	8	770	6	2	10	56	0.19	< 10	< 10	104	< 10	102
92PA #9 195-200	205 274	3	0.07	8	620	12	2	8	44	0.11	< 10	< 10	81	< 10	190

CERTIFICATION:

Yhai J Ma



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 : 2-A
Total Pages : 2
Certificate Date: 08-DEC-92
Invoice No. : 19225707
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225707

SAMPLE	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
92PA #9 200-205	205 274	10	< 0.2	1.68	< 2	120	< 0.5	< 2	1.68	< 0.5	14	59	43	3.60	< 10	< 1	0.40	< 10	1.21	720
92PA #9 205-210	205 274	20	< 0.2	2.52	< 2	100	< 0.5	< 2	2.38	< 0.5	14	58	31	4.29	< 10	< 1	0.45	< 10	1.82	820
92PA #9 210-215	205 274	105	< 0.2	2.74	< 2	40	< 0.5	< 2	2.18	< 0.5	16	54	34	4.64	< 10	< 1	0.33	< 10	2.17	1245
92PA #9 215-220	205 274	5	0.2	1.88	< 2	130	< 0.5	2	1.77	< 0.5	16	77	41	3.82	< 10	< 1	0.42	< 10	1.27	690
92PA #9 220-225	205 274	50	< 0.2	2.07	2	190	< 0.5	2	1.60	< 0.5	15	77	49	4.17	< 10	< 1	0.58	< 10	1.53	575
92PA #9 225-230	205 274	70	< 0.2	2.04	< 2	270	< 0.5	< 2	1.62	< 0.5	15	55	41	4.38	< 10	< 1	0.74	< 10	1.55	565
92PA #9 230-235	205 274	10	< 0.2	1.83	< 2	300	< 0.5	< 2	1.16	< 0.5	16	53	35	4.12	< 10	< 1	0.73	< 10	1.31	435
92PA #9 235-240	205 274	< 5	< 0.2	1.88	< 2	190	< 0.5	< 2	1.84	< 0.5	16	45	33	3.84	< 10	< 1	0.52	< 10	1.41	640
92PA #9 240-245	205 274	< 5	< 0.2	2.34	< 2	180	< 0.5	< 2	2.29	< 0.5	16	51	29	4.80	< 10	< 1	0.49	< 10	1.90	775
92PA #9 245-250	205 274	< 5	< 0.2	2.23	2	190	< 0.5	2	2.11	< 0.5	14	52	28	4.14	< 10	< 1	0.54	< 10	1.56	635

CERTIFICATION:

Yhai D Ma



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 : 2-B
Total Pages : 2
Certificate Date: 08-DEC-92
Invoice No. : 19225707
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225707

SAMPLE	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
92PA #9 200-205	205 274	12	0.10	7	750	6	< 2	8	41	0.22	< 10	< 10	110	< 10	68
92PA #9 205-210	205 274	26	0.09	6	800	4	< 2	11	39	0.19	< 10	< 10	120	< 10	86
92PA #9 210-215	205 274	22	0.07	6	770	16	< 2	13	30	0.09	< 10	< 10	120	< 10	136
92PA #9 215-220	205 274	33	0.12	8	780	8	< 2	10	42	0.18	< 10	< 10	115	< 10	88
92PA #9 220-225	205 274	7	0.12	8	790	8	< 2	9	31	0.22	< 10	< 10	126	< 10	136
92PA #9 225-230	205 274	27	0.11	7	800	8	< 2	9	36	0.21	< 10	< 10	124	< 10	104
92PA #9 230-235	205 274	12	0.14	8	770	8	< 2	7	39	0.23	< 10	< 10	123	< 10	68
92PA #9 235-240	205 274	10	0.10	7	720	< 2	< 2	8	44	0.17	< 10	< 10	104	< 10	84
92PA #9 240-245	205 274	15	0.10	7	770	< 2	< 2	12	61	0.14	< 10	< 10	129	< 10	96
92PA #9 245-250	205 274	9	0.16	7	830	2	< 2	10	73	0.19	< 10	< 10	119	< 10	80

CERTIFICATION:

Phai D'Ma



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: 08-DEC-92
Invoice No. : 19225708
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9225708

SAMPLE	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
92PA#10 000-005	205 274	25	< 0.2	1.74	< 2	80	0.5	< 2	0.52	0.5	11	38	43	3.18	< 10	< 1	0.16	10	1.00	570
92PA#10 005-010	205 274	10	0.2	1.90	< 2	70	< 0.5	2	0.80	1.5	15	34	44	3.61	< 10	< 1	0.20	10	1.30	660
92PA#10 010-015	205 274	< 5	< 0.2	2.41	< 2	70	< 0.5	< 2	2.01	< 0.5	17	41	43	4.57	< 10	< 1	0.20	< 10	1.91	795
92PA#10 015-020	205 274	205	0.2	1.69	< 2	40	< 0.5	< 2	3.93	< 0.5	14	36	44	3.87	< 10	< 1	0.23	< 10	1.38	1330
92PA#10 020-025	205 274	10	< 0.2	2.09	< 2	10	< 0.5	< 2	2.64	< 0.5	12	42	28	3.04	< 10	1	0.07	< 10	1.58	785
92PA#10 025-030	205 274	15	< 0.2	2.05	< 2	30	< 0.5	< 2	2.07	< 0.5	14	39	42	3.50	< 10	< 1	0.16	< 10	1.60	630
92PA#10 030-035	205 274	40	0.2	2.41	< 2	60	< 0.5	2	2.61	< 0.5	16	33	72	4.22	< 10	< 1	0.22	< 10	1.65	805
92PA#10 035-040	205 274	55	0.2	2.08	< 2	40	< 0.5	< 2	4.01	< 0.5	15	34	53	4.06	< 10	< 1	0.23	< 10	1.49	1160
92PA#10 040-045	205 274	< 5	0.2	2.28	< 2	40	< 0.5	< 2	2.82	< 0.5	17	38	93	4.09	< 10	< 1	0.20	< 10	1.65	835
92PA#10 045-050	205 274	10	< 0.2	2.19	4	90	< 0.5	< 2	2.15	< 0.5	17	40	43	4.34	< 10	< 1	0.32	< 10	1.69	670
92PA#10 050-055	205 274	< 5	< 0.2	1.76	< 2	50	< 0.5	< 2	2.04	< 0.5	15	44	35	3.76	< 10	< 1	0.23	< 10	1.35	605
92PA#10 055-060	205 274	< 5	0.2	1.87	2	80	< 0.5	< 2	1.74	< 0.5	17	50	49	3.87	< 10	< 1	0.31	< 10	1.41	545
92PA#10 060-065	205 274	< 5	< 0.2	2.22	< 2	140	< 0.5	< 2	2.02	< 0.5	15	34	47	3.72	< 10	< 1	0.50	< 10	1.38	710
92PA#10 065-070	205 274	15	0.2	2.44	< 2	130	< 0.5	< 2	2.46	< 0.5	16	29	61	3.44	< 10	< 1	0.45	< 10	1.27	685
92PA#10 070-075	205 274	20	0.2	1.79	< 2	60	< 0.5	< 2	1.94	< 0.5	16	42	48	3.24	< 10	< 1	0.28	< 10	1.06	595
92PA#10 075-080	205 274	< 5	0.2	1.69	< 2	30	< 0.5	< 2	3.44	1.5	16	46	44	3.72	< 10	< 1	0.29	< 10	1.25	965
92PA#10 080-085	205 274	5	< 0.2	1.86	< 2	80	< 0.5	< 2	2.61	< 0.5	18	57	50	3.98	< 10	< 1	0.32	< 10	1.23	715
92PA#10 085-090	205 274	< 5	< 0.2	2.39	< 2	120	< 0.5	< 2	2.05	< 0.5	18	55	46	3.78	< 10	< 1	0.45	< 10	1.27	495
92PA#10 090-095	205 274	< 5	< 0.2	1.85	< 2	30	< 0.5	< 2	1.68	< 0.5	15	41	45	3.18	< 10	< 1	0.24	< 10	0.98	390
92PA#10 095-100	205 274	< 5	< 0.2	2.30	< 2	130	< 0.5	< 2	1.76	< 0.5	17	48	44	3.76	< 10	< 1	0.46	< 10	1.21	475
92PA#10 100-105	205 274	< 5	< 0.2	2.61	< 2	80	< 0.5	< 2	2.89	< 0.5	20	72	38	4.39	10	< 1	0.29	10	2.09	785
92PA#10 105-110	205 274	15	< 0.2	2.65	2	100	< 0.5	2	4.25	< 0.5	18	32	23	4.72	10	< 1	0.22	20	2.23	930
92PA#10 110-115	205 274	< 5	< 0.2	2.65	< 2	90	< 0.5	< 2	3.27	< 0.5	19	43	21	4.62	10	< 1	0.14	20	2.04	765
92PA#10 115-120	205 274	< 5	< 0.2	2.76	8	80	< 0.5	< 2	2.24	< 0.5	19	71	42	4.03	< 10	< 1	0.31	< 10	1.97	600
92PA#10 120-125	205 274	< 5	< 0.2	2.13	< 2	100	< 0.5	2	1.67	< 0.5	18	63	36	3.85	< 10	< 1	0.36	< 10	1.40	425
92PA#10 125-130	205 274	< 5	< 0.2	2.08	< 2	80	< 0.5	6	1.85	< 0.5	17	68	30	3.68	< 10	< 1	0.26	< 10	1.38	420
92PA#10 130-135	205 274	< 5	< 0.2	2.26	< 2	50	< 0.5	< 2	2.02	< 0.5	18	74	35	3.46	< 10	< 1	0.19	< 10	1.20	505
92PA#10 135-140	205 274	< 5	< 0.2	2.18	< 2	40	< 0.5	< 2	3.12	< 0.5	16	55	45	3.47	< 10	< 1	0.16	< 10	1.46	770
92PA#10 140-145	205 274	190	0.2	2.40	< 2	30	< 0.5	< 2	5.01	< 0.5	15	53	34	4.02	< 10	< 1	0.24	< 10	2.20	1045
92PA#10 145-150	205 274	< 5	0.2	2.48	< 2	40	0.5	< 2	4.73	< 0.5	16	46	28	4.06	< 10	< 1	0.26	< 10	2.00	1000

CERTIFICATION:

Jhai D Ma



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 : 1
Certificate Date: 08-DEC-92
Invoice No. : 19225708
P.O. Number :
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9225708

SAMPLE	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
92PA#10 000-005	205	274	8	0.05	10	790	20	< 2	6	37	0.10	< 10	< 10	81	< 10	84
92PA#10 005-010	205	274	6	0.08	8	790	12	< 2	8	39	0.13	< 10	< 10	93	< 10	148
92PA#10 010-015	205	274	11	0.10	9	740	4	< 2	10	57	0.15	< 10	< 10	117	< 10	108
92PA#10 015-020	205	274	51	0.05	7	650	4	< 2	7	82	0.07	< 10	< 10	73	< 10	80
92PA#10 020-025	205	274	15	0.11	7	770	8	< 2	9	86	0.15	< 10	< 10	84	< 10	70
92PA#10 025-030	205	274	48	0.09	6	670	8	< 2	9	68	0.19	< 10	< 10	93	< 10	74
92PA#10 030-035	205	274	8	0.12	4	690	< 2	< 2	11	75	0.16	< 10	< 10	100	< 10	84
92PA#10 035-040	205	274	21	0.07	6	620	4	< 2	9	89	0.09	< 10	< 10	80	< 10	108
92PA#10 040-045	205	274	17	0.10	7	800	6	< 2	11	71	0.18	< 10	< 10	113	< 10	82
92PA#10 045-050	205	274	38	0.06	8	600	< 2	< 2	11	52	0.12	< 10	< 10	106	< 10	92
92PA#10 050-055	205	274	14	0.04	10	570	4	< 2	8	48	0.11	< 10	< 10	83	< 10	72
92PA#10 055-060	205	274	51	0.06	9	600	2	< 2	11	41	0.15	< 10	< 10	103	< 10	68
92PA#10 060-065	205	274	6	0.14	8	640	10	< 2	7	57	0.19	< 10	< 10	98	< 10	80
92PA#10 065-070	205	274	9	0.23	6	700	2	< 2	7	81	0.20	< 10	< 10	90	< 10	78
92PA#10 070-075	205	274	4	0.14	8	630	4	< 2	7	64	0.19	< 10	< 10	81	< 10	72
92PA#10 075-080	205	274	9	0.04	7	640	12	2	7	53	0.07	< 10	< 10	74	< 10	144
92PA#10 080-085	205	274	1	0.11	9	720	6	< 2	9	57	0.17	< 10	< 10	101	< 10	104
92PA#10 085-090	205	274	14	0.19	9	700	< 2	< 2	8	74	0.24	< 10	< 10	103	< 10	64
92PA#10 090-095	205	274	11	0.16	9	650	< 2	< 2	6	57	0.23	< 10	< 10	82	< 10	52
92PA#10 095-100	205	274	15	0.20	8	680	< 2	< 2	7	63	0.27	< 10	< 10	106	< 10	62
92PA#10 100-105	205	274	25	0.12	14	1050	4	< 2	12	98	0.12	< 10	< 10	123	< 10	102
92PA#10 105-110	205	274	6	0.06	6	1670	6	< 2	10	159	0.02	< 10	< 10	108	< 10	124
92PA#10 110-115	205	274	2	0.16	6	1470	4	2	12	189	0.09	< 10	< 10	139	< 10	82
92PA#10 115-120	205	274	35	0.17	15	690	2	< 2	11	83	0.24	< 10	< 10	132	< 10	92
92PA#10 120-125	205	274	39	0.15	10	590	2	< 2	9	73	0.26	< 10	< 10	119	< 10	60
92PA#10 125-130	205	274	7	0.11	7	620	< 2	< 2	9	82	0.28	< 10	< 10	114	< 10	58
92PA#10 130-135	205	274	35	0.18	9	690	4	< 2	10	99	0.28	< 10	< 10	109	< 10	64
92PA#10 135-140	205	274	5	0.14	8	620	< 2	< 2	11	76	0.23	< 10	< 10	105	< 10	68
92PA#10 140-145	205	274	28	0.05	6	530	< 2	2	10	92	0.06	< 10	< 10	85	< 10	90
92PA#10 145-150	205	274	10	0.06	7	520	4	< 2	11	130	0.07	< 10	< 10	84	< 10	78

CERTIFICATION:

Yhai J Ma



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-994-0221

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

Pa umber :1
Total Pages :1
Certificate Date: 06-AUG-92
Invoice No. :19218440
P.O. Number :0770
Account :JXX

Project : PAULSON ✓
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9218440

SAMPLE	PREP CODE	Au ppb FA+AA										
48400W 21800E	201 --	15										
48400W 21850E	201 --	80										
48400W 21900E	201 --	10										
48400W 21950E	201 --	25										
48400W 22000E	201 --	5										
48400W 22050E	201 --	35										
48400W 22100E	201 --	20										
48400W 22150E	201 --	10										
48400W 22200E	201 --	10										
48400W 22250E	201 --	15										
48400W 22300E	201 --	< 5										
48500W 21350E	201 --	< 5										
48500W 21400E	201 --	< 5										
48500W 21450E	201 --	< 5										
48500W 21500E	201 --	< 5										
48500W 21550E	201 --	380										
48500W 21600E	201 --	< 5										
48500W 21650E	201 --	< 5										
48500W 21700E	201 --	< 5										
48500W 21750E	201 --	< 5										
48500W 21800E	201 --	5										
48500W 21850E	201 --	20										
48500W 21900E	201 --	< 5										
48500W 21950E	201 --	< 5										
48500W 22000E	201 --	< 5										
48500W 22050E	201 --	< 5										
48500W 22100E	201 --	30										
48500W 22150E	201 --	15										
48500W 22200E	201 --	< 5										
48500W 22250E	201 --	< 5										
48600W 22300E	201 --	10										
48600W 21300E	201 --	5										
48600W 21350E	201 --	15										
48600W 21500E	201 --	5										
48600W 21550E	201 --	15										
48600W 21600E	201 --	< 5										
48600W 21650E	201 --	25										
48600W 21700E	201 --	20										
48600W 21750E	201 --	15										
48600W 21800E	201 --	< 5										

C. R. Miller
P.O. Box 2041
General Del
Grand Forks BC
VOM 1110

CERTIFICATION: *Thak Vank*



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
Total Pages : 2
Certificate Date: 06-AUG-92
Invoice No. : 19218341
P.O. Number : 0700
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9218341

SAMPLE	PREP CODE	Au ppb FA+AA										
48000W 21600E	201 --	60										
48000W 21650E	201 ---	45										
48000W 21700E	201 ---	10										
48000W 21750E	201 ---	< 5										
48000W 21800E	201 --	< 5										
48000W 21850E	201 --	< 5										
48000W 21900E	201 ---	< 5										
48000W 21950E	201 ---	10										
48000W 22000E	201 ---	10										
48000W 22050E	201 ---	< 5										
48000W 22100E	201 ---	< 5										
48000W 22150E	201 ---	25										
48000W 22200E	201 ---	< 5										
48000W 22250E	201 ---	< 5										
48000W 22300E	201 ---	< 5										
48100W 21300E	201 ---	< 5										
48100W 21350E	201 ---	< 5										
48100W 21400E	201 ---	25										
48100W 21450E	201 ---	20										
48100W 21500E	201 ---	10										
48100W 21550E	201 --	55										
48100W 21600E	201 ---	< 5										
48100W 21650E	201 ---	< 5										
48100W 21700E	201 ---	< 5										
48100W 21750E	201 ---	< 5										
48100W 21900E	201 ---	< 5										
48100W 21950E	201 ---	< 5										
48100W 22000E	201 ---	< 5										
48100W 22050E	201 ---	< 5										
48100W 22100E	201 ---	< 5										
48100W 22150E	201 ---	< 5										
48100W 22200E	201 ---	< 5										
48100W 22250E	201 ---	< 5										
48100W 22300E	201 ---	< 5										
48200W 21300E	201 ---	35										
48200W 21350E	201 ---	< 5										
48200W 21400E	201 ---	< 5										
48200W 21450E	201 ---	< 5										
48200W 21500E	201 ---	35										
48200W 21600E	201 ---	< 5										

CERTIFICATION: *Frank Vank*



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
Total pages :1
Certificate Date: 07-AUG-92
Invoice No. :19218586
P.O. Number :0906
Account :JXX

Project : PAULSON
Comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9218586

SAMPLE	PREP CODE	Au ppb FA+AA											
48700N 21300E	201 --	< 5											
48700N 21350E	201 --	< 5											
48700N 21400E	201 --	25											
48700N 21450E A	201 --	< 5											
48700N 21450E B	201 --	< 5											
48700N 21500E	201 --	< 5											
48700N 21550E	201 --	< 5											
48700N 21600E	201 --	< 5											
48700N 21650E	201 --	< 5											
48700N 21700E	201 --	< 5											
48700N 21750E	201 --	< 5											
48700N 21800E	201 --	< 5											
48700N 21850E	201 --	< 5											
48700N 21900E	201 --	< 5											
48700N 21950E	201 --	< 5											
48700N 22000E	201 --	< 5											
48700N 22050E	201 --	< 5											
48700N 22100E	201 --	< 5											
48700N 22200E	201 --	< 5											
48700N 22250E	201 --	< 5											
48700N 22300E	201 --	< 5											
48800N 21800E	201 --	< 5											
48800N 21900E	201 --	< 5											
48800N 21950E	201 --	< 5											
48800N 22000E	201 --	< 5											
48800N 22050E	201 --	< 5											
48800N 22100E	201 --	< 5											
48800N 22150E	201 --	< 5											
48800N 22200E	201 --	< 5											
48800N 22250E	201 --	< 5											
48800N 22300E	201 --	< 5											

CERTIFICATION: *Theresa Vank*



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 : 1
Total Pages : 2
Certificate Date: 10-AUG-92
Invoice No. : 19218774
P.O. Number : 1072
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9218774

SAMPLE	PREP CODE	Au ppb FA+AA																	
48600N 21850E	201	--	< 5																
48600N 21900E	201	--	< 5																
48600N 22000E	201	--	< 5																
48600N 22050E	201	--	5																
48600N 22100E	201	--	15																
48600N 22150E	201	--	< 5																
48600N 22200E	201	--	< 5																
48600N 22300E	201	--	< 5																
48800N 21300E	201	--	< 5																
48800N 21350E	201	--	< 5																
48800N 21400E	201	--	< 5																
48800N 21450E	201	--	< 5																
48800N 21500E	201	--	< 5																
48800N 21550E	201	--	< 5																
48800N 21600E	201	--	< 5																
48800N 21650E	201	--	< 5																
48800N 21700E	201	--	< 5																
48800N 21750E	201	--	< 5																
48850N 21800E	201	--	< 5																
48900N 21300E	201	--	< 5																
48900N 21350E	201	--	< 5																
48900N 21400E	201	--	< 5																
48900N 21450E	201	--	< 5																
48900N 21500E	201	--	< 5																
48900N 21550E	201	--	< 5																
48900N 21600E	201	--	< 5																
48900N 21650E	201	--	< 5																
48900N 21700E	201	--	< 5																
48900N 21750E	201	--	< 5																
48900N 21800E	201	--	< 5																
48900N 21850E	201	--	< 5																
48900N 21900E	201	--	< 5																
48900N 21950E	201	--	< 5																
48900N 22000E	201	--	< 5																
48900N 22050E	201	--	< 5																
48900N 22150E	201	--	< 5																
48900N 22200E	201	--	< 5																
48900N 22250E	201	--	< 5																
48900N 22300E	201	--	< 5																
49000N 21400E	201	--	5																

*cc. R. Miller
P.O. Box 2941
General Delivery
Grand Forks, B.C.
VCH 1H0*

CERTIFICATION: *Theresa Vink*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221

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

Page 1 of 2
Total Pages : 2
Certificate Date: 10-AUG-92
Invoice No. : 19218774
P.O. Number : 1072
Account : JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9218774

SAMPLE	PREP CODE	Au ppb FA+AA										
49000N 21450E	201 --	< 5										
49000N 21500E	201 --	< 5										
49000N 21550E	201 --	< 5										
49000N 21600E	201 --	< 5										
49000N 21650E	201 --	< 5										
49000N 21700E	201 --	< 5										
49000N 21750E	201 --	< 5										
49000N 21800E	201 --	< 5										
49000N 21850E	201 --	< 5										
49000N 21900E	201 --	20										
49000N 21950E	201 --	< 5										
49000N 22000E	201 --	< 5										
49000N 22050E	201 --	< 5										
49000N 22100E	201 --	< 5										
49000N 22150E	201 --	10										
49000N 22200E	201 --	< 5										
49000N 22250E	201 --	< 5										
49000N 22300E	201 --	< 5										

CERTIFICATION:

[Handwritten signature]



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
Total Pages : 2
Certificate Date: 19-AUG-92
Invoice No. : 19219125
P.O. Number : 0051
Account : JXX

Project : PAULSON
Comments : ATTN: C. HERALD R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9219125

SAMPLE	PREP CODE	Au ppb FA+AA										
20500E 48800N	201 --	< 5										
20500E 48850N	201 --	< 5										
20500E 48900N	201 --	< 5										
20500E 48950N	201 --	< 5										
20500E 49000N	201 --	< 5										
20500E 49050N	201 --	< 5										
20500E 49100N	201 --	< 5										
20500E 49150N	201 --	< 5										
20500E 49200N	201 --	< 5										
20500E 49250N	201 --	< 5										
20500E 49300N	201 --	< 5										
20500E 49350N	201 --	< 5										
20500E 49400N	201 --	< 5										
20500E 49450N	201 --	< 5										
20500E 49500N	201 --	< 5										
20500E 49550N	201 --	< 5										
20500E 49600N	201 --	< 5										
20500E 49650N	201 --	< 5										
20600E 48700N	201 --	< 5										
20600E 48750N	201 --	< 5										
20600E 48800N	201 --	< 5										
20600E 48850N	201 --	< 5										
20600E 48900N	201 --	< 5										
20600E 48950N	201 --	< 5										
20600E 49000N	201 --	< 5										
20600E 49050N	201 --	< 5										
20600E 49100N	201 --	< 5										
20600E 49150N	201 --	< 5										
20700E 48900N	201 --	< 5										
20700E 48950N	201 --	< 5										
20700E 49000N	201 --	< 5										
20700E 49050N	201 --	< 5										
20700E 49100N	201 --	< 5										
20700E 49150N	201 --	< 5										
20800E 48700N	201 --	< 5										
20800E 48750N	201 --	< 5										
20800E 48800N	201 --	< 5										
20800E 48850N	201 --	< 5										
20800E 48900N	201 --	< 5										
20800E 48950N	201 --	< 5										

CERTIFICATION: Shuk Vank



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 : 2
Total Pages : 2
Certificate Date : 19-AUG-92
Invoice No. : 19219125
P.O. Number : 0051
Account : JXX

Project : PAULSON
Comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9219125

SAMPLE	PREP CODE	Au ppb FA+AA										
20800E 49000N	201 ---	< 5										
20800E 49050N	201 ---	< 5										
20800E 49100N	201 ---	< 5										
20800E 49150N	201 ---	< 5										
20900E 49200N	201 ---	< 5										
20900E 49250N	201 ---	< 5										
20900E 49300N	201 ---	< 5										
20900E 49350N	201 ---	< 5										
20900E 49400N	201 ---	< 5										
20900E 49450N	201 ---	< 5										
20900E 49500N	201 ---	< 5										
20900E 49550N	201 ---	< 5										
20900E 49600N	201 ---	< 5										
20900E 49650N	201 ---	< 5										
20950E 49700N	201 ---	< 5										
21000E 49200N	201 ---	< 5										
21000E 49250N	201 ---	< 5										
21000E 49300N	201 ---	< 5										
21000E 49350N	201 ---	< 5										
21000E 49400N	201 ---	< 5										
21000E 49450N	201 ---	< 5										
21000E 49500N	201 ---	< 5										
21000E 49550N	201 ---	< 5										
21000E 49600N	201 ---	< 5										
21000E 49650N	201 ---	< 5										
21000E 49700N	201 ---	< 5										

CERTIFICATION:



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
Total Pages : 1
Certificate Date: 19-AUG-92
Invoice No. : 19219393
P.O. Number :
Account : JXX

Project : PAULSON
Comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS

A9219393

SAMPLE	PREP CODE	Au ppb FA+AA									
21800E 48000N	201 --	< 5									
21800E 48100N	201 --	< 5									
21800E 48150N	201 --	< 5									
48000N 21400E	201 --	< 5									
48000N 21450E	201 --	140									
48000N 21500E	201 --	30									
48000N 21550E	201 --	25									
48000N 21600E	201 --	< 5									
48000N 21650E	201 --	< 5									
48000N 21700E	201 --	< 5									
48100N 21400E	201 --	< 5									
48100N 21450E	201 --	< 5									
48100N 21500E	201 --	< 5									
48100N 21550E	201 --	< 5									
48100N 21600E	201 --	< 5									
48300N 21800E	201 --	< 5									
48300N 21850E	201 --	< 5									
48300N 21900E	201 --	< 5									
48300N 21950E	201 --	< 5									
48300N 22000E	201 --	< 5									
48300N 22050E	201 --	< 5									
48300N 22100E	201 --	< 5									
48300N 22150E	201 --	< 5									
48300N 22200E	201 --	< 5									
48300N 22250E	201 --	< 5									
48300N 22300E	201 --	< 5									

CERTIFICATION: *John Von*

PC

CHEMEX LABS W.O. # : A9221147

client : CROWN RESOURCE CORPORATION

of samples : 24

received date : 10-SEP-92

project : PAULSON

comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

Sample Au ppb
description FA+AA

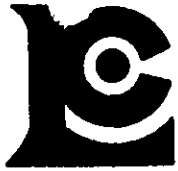
47700N 21300E	<5
47700N 21350E	<5
47700N 21400E	<5
47700N 21450E	<5
47700N 21500E	<5
47700N 21550E	15
47700N 21600E	95
47700N 21650E	10
47700N 21700E	135
47700N 21750E	45
47700N 21800E	35
47750N 21800E	15
47800N 21300E	<5
47800N 21350E	<5
47800N 21400E	<5
47800N 21450E	<5
47800N 21500E	100
47800N 21550E	75
47800N 21600E	<5
47800N 21650E	<5
47800N 21700E	<5
47800N 21750E	<5
47800N 21800E	45
47850N 21800E	50

PC

Memory: 129k Layout: Left Indent: None ESC MENU F1 HELF
 1: Line 1 of Page 1 Style: Normal Insert
 Typeface: 1: Pica 10 cpi Spacing: 1.00 Hyphen: Off
 <.....1.1.....1...2...1.....3.1.....1.....1.5.....1...6...1.....7.....R1

CHEMEX LABS W.O. # : A9220316
 client : CROWN RESOURCE CORPORATION
 # of samples : 11
 received date : 26-AUG-92
 project : PAULSON
 comments : ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

Sample description	Au ppb	FA+AA
47900N 21300E	<5	
47900N 21350E	<5	
47900N 21400E	<5	
47900N 21450E	195	
47900N 21500E	80	
47900N 21550E	<5	
47900N 21600E	<5	
47900N 21650E	<5	
47900N 21700E	<5	
47900N 21750E	5	
47900N 21800E	<5	



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-684-0221

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

Page Number :2
Total Pages :2
Certificate Date: 08-AUG-92
Invoice No. :19218341
P.O. Number :0700
Account :JXX

Project : PAULSON
Comments: ATTN: C. HERALD CC: R. MILLER CC: J. SHANNON CC: M. SAWIUK

CERTIFICATE OF ANALYSIS A9218341

SAMPLE	PREP CODE	Au ppb FA+AA										
48200W 21950W	201 --	< 5										
48200W 22000W	201 --	< 5										
48200W 22050W	201 --	< 5										
48200W 22100W	201 --	35										
48200W 22150W	201 --	< 5										
48200W 22200W	201 --	< 5										
48200W 22250W	201 --	< 5										
48200W 22300W	201 --	< 5										

CERTIFICATION: *[Signature]*



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
Total Pages : 2
Certificate Date: 29-OCT-91
Invoice No. : I9123718
P.O. Number :

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

CERTIFICATE OF ANALYSIS A9123718

SAMPLE	PREP CODE	Au ppb FA+AA										
21800E 47400N	201	---	<	5								
21800E 47450N	201	---	<	5								
21800E 47500N	201	---	<	5								
21800E 47700N	201	---	<	5								
21800E 47750N	201	---	<	5								
21800E 47800N	201	---	<	5								
21800E 47850N	201	---	<	5								
21800E 47900N	201	---	<	5								
21800E 47950N	201	---	<	5								
21800E 48000N	201	---	<	5								
21800E 48050N	201	---	<	5								
21800E 48100N	201	---	<	5								
21800E 48150N	201	---	<	5								
21800E 48200N	201	---	<	5								
21800E 48250N	201	---	<	5								
21800E 48300N	201	---	<	5								
47800N 21300E	201	---	<	5								
47800N 21350E	201	---	<	5								
47800N 21450E	201	---	10									
47800N 21500E	201	---	625									
47800N 21550E	201	---	<	5								
47800N 21600E	201	---	<	5								
47800N 21650E	201	---	<	5								
47800N 21700E	201	---	185									
47800N 21750E	201	---	<	5								
47800N 21800E	201	---	<	5								
47800N 21850E	201	---	<	5								
47800N 21900E	201	---	<	5								
47800N 21950E	201	---	<	5								
47800N 22000E	201	---	<	5								
47800N 22050E	201	---	<	5								
47800N 22100E	201	---	<	5								
47800N 22150E	201	---	<	5								
47800N 22200E	201	---	<	5								
47800N 22250E	201	---	<	5								
47800N 22300E	201	---	<	5								
47800N 22350E	201	---	<	5								
47800N 22400E	201	---	<	5								
47800N 22450E	201	---	<	5								
47800N 22500E	201	---	<	5								

CERTIFICATION: *Jack Vank*



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 :2
Total Pages :2
Certificate Date: 29-OCT-91
Invoice No. :19123718
P.O. Number :

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

CERTIFICATE OF ANALYSIS A9123718

SAMPLE	PREP CODE	Au ppb FA+AA											
47800N 22550E	201	--	< 5										
47800N 22600E	201	--	< 5										
47800N 22650E	201	--	< 5										
47800N 22700E	201	--	< 5										
47800N 22750E	201	--	< 5										
47800N 22800E	201	--	< 5										
47800N 22850E	201	--	< 5										
47800N 22900E	201	--	< 5										
47800N 22950E	201	--	< 5										
47800N 23000E	201	--	< 5										
47800N 23050E	201	--	< 5										
47800N 23100E	201	--	< 5										
47800N 23150E	201	--	15										
47800N 23200E	201	--	20										
47800N 23300E	201	--	< 5										
47800N 23350E	201	--	10										
47800N 23400E	201	--	< 5										
47800N 23450E	201	--	< 5										
47800N 23500E	201	--	35										
47900N 21350E	201	--	< 5										
47900N 21400E	201	--	< 5										
47900N 21450E	201	--	< 5										
47900N 21500E	201	--	130										
47900N 21550E	201	--	15										
47900N 21600E	201	--	< 5										
47900N 21650E	201	--	10										
47900N 21700E	201	--	< 5										
47900N 21750E	201	--	< 5										

CERTIFICATION: *Theresa Vank*



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
Total Pages : 1
Certificate Date: 18-NOV-91
Invoice No. : 19124870
P.O. Number :
Account : APSB

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

CERTIFICATE OF ANALYSIS

A9124870

SAMPLE	PREP CODE	Au ppb FA+AA										
47000N 23350E	201 --	< 5										
47000N 23375E	201 --	< 5										
47000N 23425E	201 --	< 5										
47000N 23475E	201 --	< 5										
47150N 23500E	201 --	< 5										
47200N 23275E	201 --	< 5										
47200N 23325E	201 --	< 5										
47200N 23375E	201 --	< 5										
47300N 23525E	201 --	< 5										
47300N 23575E	201 --	< 5										
47300N 23625E	201 --	< 5										
47300N 23675E	201 --	10										
47300N 23725E	201 --	45										
47700N 21550E	201 --	5										
47700N 21600E	201 --	20										
47700N 21650E	201 --	70										
47700N 21700E	201 --	< 5										
47700N 21750E	201 --	< 5										

CERTIFICATION: *Theresa Vornh*

APPENDIX E
FIELD DRILL LOGS

Spence

CROWN RESOURCE

LOCATION: PAULSON

DRILL HOLE 92 PA #7

Coords. _____

LITHOLOGY

ALTERATION (1-5)

Total Depth _____

N. _____

CLASTIC

CLAY

Collar Elev. _____

E. _____

LIMESTONE

SKARN

Angle _____

Date: _____

DIORITE

OXIDATION

Bearing _____

Collared _____

GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 1 of 4

	LITH	ALT	COLOR	% Py	% Po	% AsPy	% Mag	% CuPy	% Cal Cite	% Oliv Chips	% Gnt	% Ept	COMMENTS	PPb Au	Prob. Lith	Other	Angle
05			brn wh. to gray				Tr			1.0			Regolith	35			3.0
10							Tr			Tr				15			5.0
15							Tr		0.5					10			5.0
20	X	X	marked blue-gray	1.0			Tr+						leucocratic feld spar porphyry?	25	X	X	10.0
25	++	++					Tr+						fine K feld granodiorite (10% qtz)	5	+	+	15.0
30	++	++		Tr			Tr						Proxylite	25	+	+	20.0
35	++	++		Tr			Tr+							25	+	+	15.0
40	++	++		Tr			Tr							25	+	+	20.0
45	++	++	wh. to blue		?		Tr		Tr+					25	+	+	20.0
50	++	++	dk gray	1.0						3.0			SAA with pink qtz	25	+	+	40.0
55	---	---		Tr+									w/50% biotite	25	---	---	7.0
60	---	---		2.0	Tr		Tr+						Horobls	25	---	---	5.0
65	---	---		1.0	Tr							0.5		25	---	---	5.0
70	++	++		Tr+					0.5	Tr++			very fine gr. calcite rich	15	---	---	5.0
75	✓	✓		1.0	Tr		Tr			Tr			Volcanic? Ling Tuff?	105	✓	✓	1.0
80	✓	✓		1.0	Tr		Tr			Tr			SAA	25	✓	✓	5.0
85	✓	✓		3.0	Tr		Tr		Tr++	Tr			SAA	25	✓	✓	10.0
90	✓	✓		1.0					Tr	Tr			SAA	25	✓	✓	2.0
95	✓	✓		1.0						Tr			SAA	25	✓	✓	2.0
100	✓	✓		2.0	?				Tr+	Tr			SAA	25	✓	✓	trace

CROWN RESOURCE

LOCATION: 600

DRILL HOLE 92 PA #7

Coords. _____

LITHOLOGY

ALTERATION (1-5)

Total Depth _____

N. _____

CLASTIC

CLAY

Collar Elev. _____

E. _____

LIMESTONE

SKARN

Angle _____

Date: _____

DIORITE

OXIDATION

Bearing _____

Collared _____

GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 2 of 4

	LITH	ALT	COLOR	% Py	% Po	% As	% Py	% Mg	% Cu	% Py	Cal Cite	O ₂ Syn Chips	Gnt	Ept	COMMENTS	Au	Rel. Zth	Other
105	✓		light greenish gray	.5%							.5%	tr			altered volcanic with silty?	10	✓✓	5.°
110	✓			1%							1%				partings	10	✓✓	1.°
115	✓			.5%								tr				5%	✓✓	10.°
120	✓			1%								tr ⁺⁺				20	✓✓	5.°
125	✓			1%							3%	tr				20	✓✓	5.°
130	✓			.5%	tr ⁺		tr						tr	tr ⁺		1000	✓✓	1.°
135	✓			.5%			tr ⁺				.5%	tr		tr	50% SAS 50% altered	80	✓✓	15.°
140	✓		dark greenish gray	2%	tr ⁺		tr ⁺				tr			tr ⁺	fine grained intrusive dike(?)	20	✓✓	12.°
145	✓			2%			tr ⁺					tr		tr	SAS 50% 50% biotite hornfels	<5	✓✓	12.°
150	✓			.5%											increasing fine grained intrusive fragments	155	✓	12.°
155	✓			.5%			tr	tr								20	✓	12.°
160	✓			1%			tr									80	✓	15.°
165	✓			tr ⁺			tr									85	✓	20.°
170	✓			tr			tr ⁺					tr				30	✓	25.°
175	✓			tr	tr ⁺		tr ⁺								+volcanic	45	✓	25.°
180	✓			tr	.5%		tr									45	✓	30.°
185	✓			tr			tr									45	✓	30.°
190	✓			tr							.5%					45	✓	30.°
195	✓		x mottled	tr ⁺							1%					45	✓	35.°
200	✓			tr			tr ⁺					tr			altered suevite	45	✓	25.°

CROWN RESOURCE

LOCATION: _____

DRILL HOLE 92 PA #=

Coords. _____

LITHOLOGY

ALTERATION (1-5)

Total Depth _____

N. _____

CLASTIC

CLAY

Collar Elev. _____

E. _____

LIMESTONE

SKARN

Angle _____

Date: _____

DIORITE

OXIDATION

Bearing _____

Collared _____

GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 3 of 4

	LITH	ALT	COLOR	% Py	% Po	% AsPy	% Moo	% CuPy	% Cal Cite	% Qtz Chips	% Gnt	% Ept	COMMENTS	Au	Rel. Zinc	Other
205	X		noted erosion water				Tr		Tr				Decorative fine x/mic biotite (chlorite) 5% qtz	25	XX	10°
210	X						Tr+		Tr					30	XX	10°
215	X						2.°		Tr					10	XX	15°
220	X		↓	1.°			Tr		Tr					580	XX	15°
225	X		white to H ₂ O stain	2.°			Tr+		3.°	1.°				705	XX	7°
230	X		plus dk gray ↓	2.°			Tr		1.°	Tr			↓ volcanic?	1560	XX	3°
235	X		very dark gray				3.°		5.°				volcanic? V ₂ O ₅ x/mic Mo ₂ O ₃	50	V	40°
240	X		↓				1.°		2.°				intrusive (hornblende)	20	V	80°
245	X		↓ pale white gray				Tr+		Tr+					30	V	20°
250	X						Tr		Tr+				SA 225-225' w/ Argillite alteration	135	XX	25°
255	X						Tr		Tr	Tr			W ₂ O in gr. Intr. hornblende	90	XX	60°
260	X		↓				Tr		Tr+				Continued	120	XX	60°
265	XX		↓ Salmon pink						Tr				Perte K-spar Syenitic dykes	80	XX	1.°
270	XX												less than 196 Mudstone	475	XX	1.°
275	XX		↓											40	XX	3.°
280	XX		↓ Specimen gray				Tr		Tr	Tr			Intrusive SA 225-230	25	XX	15°
285	XX		↓ and white	2.°			Tr		1.°				w/ sphalerite alteration	10	XX	15°
290	XX						Tr		Tr+				Pyrophyllite	25	XX	15°
295	XX						Tr		Tr+					10	XX	15°
300	XX		↓				0.5		2.°	Tr+				25	XX	15°

CROWN RESOURCE

LOCATION: _____

FIELD LOG

DRILL HOLE 92 PA #8

Coords. _____

LITHOLOGY

ALTERATION (1-5)

Total Depth _____

N. _____

CLASTIC

CLAY

Collar Elev. _____

E. _____

LIMESTONE

SKARN

Angle _____

Date: _____

DIORITE

OXIDATION

Bearing _____

Collared _____

GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 1 of 3

Depth (ft)	LITH	ALT	COLOR	Py	Po	AsPy	Mgq	CuPy	Col Cite	% Oliv	% Chl	% Gnt	% Ept	COMMENTS	PPb Au	Rb. Lith	Other
05	✓ X		light gray							Tr ⁺				volcanic?	425	✓	15°
10	qtz qtz		white	Tr						97%				qz vn	486b	Q	Tr
15	X X		dk gray	Tr ⁺					Tr ⁺					K-spar	290	X	40°
20	X X			0.5					Tr ⁺					volcanic or volcanic xtra extensive magnetite?	330	X	30°
25	X X			0.5					Tr ⁺						85	X	35°
30	X X			Tr ⁺					Tr ⁺					Magnetite(?)	105	X	20°
35	X X		dk gray + bl	Tr ⁺	Tr		Tr		Tr						75	X	30°
40	X X			Tr			Tr		Tr						25	X	55°
45	X X			Tr			Tr		Tr	Tr					35	X	55°
50	X X		dk gray + bl	1.0	Tr		Tr	Tr?	Tr ⁺	Tr					85	X	50°
55	X X	SK	dk gray + bl	3.0				Tr	Tr ⁺	2.0		Tr ⁺		Some Trace whl, garn	275	✓	30°
60	X X	SK		4.0					Tr ⁺	Tr		Tr ⁺	Tr ⁺	↓ ↓ skarn	95	✓	35°
65	✓ ✓	SK	dk brn	2.0				Tr	Tr	Tr		Tr	Tr ⁺	↓ ↓	45	✓	40°
70	✓ ✓			3.0	Tr					Tr				vol-	10	✓	45°
75	✓ ✓			5.0											25	✓	45°
80	✓ ✓			4.0									Tr	Tr	25	✓	45°
85	✓ ✓			1.0	Tr								Tr	Tr	25	✓	30°
90	X X	SK	dk brn	Tr ⁺					Tr					intense	15	X	20°
95	X X	SK		Tr ⁺										volc limn	15	X	35°
100	X X	SK	dk grn gray	Tr				Tr	Tr ⁺					skarn	30	X	50°

0-60 of 557ppbda.

CROWN RESOURCE

 LOCATION: P

 DRILL HOLE 92 PA #2

Coords. _____

LITHOLOGY

ALTERATION (1-5)

Total Depth _____

N. _____

 CLASTIC

 CLAY

Collar Elev. _____

E. _____

 LIMESTONE

 SKARN

Angle _____

Date: _____

 DIORITE

 OXIDATION

Bearing _____

Collared _____

 GRANODIORITE

 BLEACHING

Logged by _____

Completed _____

 Page 2 of 3

Elev	LITH	ALT	COLOR	% Py	% Po	% AsPy	% Mn	% CuPy	% Calc	% Oliv	% Chl	% Gnt	% Ept	COMMENTS	Au	Zn	Other	Grade
105	X	4r	Bluish green	Tr					Tr	Tr			0.5	biotite hornfels volcanic?	45	✓		15°
110	X			0.5					↓	↓			Tr ⁺	volcanic		✓		25°
115	X	SK	yellow green	Tr ⁺					Tr ⁺				3.0	SAs + epidote skarn volcanic biotite		✓		10°
120	X		dark gray	Tr ⁺⁺									Tr			✓		30°
125	X		bluish green	Tr									Tr			✓		35°
130	X			Tr ⁺⁺						Tr			Tr	Silver mineral (SAs) steel gray Tr in site vein		✓		40°
135	X			↓					Tr				Tr	Galena?		✓		35°
140	X			Tr	Tr		Tr		↓				Tr		10	✓		50°
145	X			↓			↓			Tr				9300	30	✓		55°
150	X			↓					Tr ⁺	Tr ⁺			0.5		45	✓		30°
155	X		+white	Tr ⁺⁺					Tr	Tr			Tr ⁺⁺			✓		70°
160	X			Tr					↓	Tr ⁺⁺						✓		35°
165	X			Tr ⁺⁺					1.0	Tr						✓		35°
170	XX	KN	yellow green	0.5			Tr		↓				0.5	epidote skarn around felsic intrusion	120	XX		10°
175	XX	SK	gray salmon pink	0.5					2.0				0.5	skarn	45	XX		10°
180	X		dark gray	Tr ⁺⁺	Tr				1.0				Tr	volcanic continuation to 604		✓		25°
185	X		dark gray blue	↓					Tr	Tr			Tr			✓		25°
190	X		green white	Tr					1.0	0.5			Tr	Sill like intrusion?		XX		15°
195	X		very dark gray	0.5					Tr ⁺	Tr				duct		✓		40°
200	X	SK	blue green	Tr					Tr ⁺				Tr			✓		35°

CROWN RESOURCE

LOCATION: _____

 DRILL HOLE 92 PA #8

Coords. _____ LITHOLOGY

ALTERATION (1-5)

Total Depth _____

 N. _____ CLASTIC

 CLAY

Collar Elev. _____

 E. _____ LIMESTONE

 SKARN

Angle _____

 Date: _____ DIORITE

 OXIDATION

Bearing _____

 Collared _____ GRANODIORITE

 BLEACHING

Logged by _____

 Completed _____

 Page 3 of 3

	LITH	ALT	COLOR	% Py	% Po	% AsPy	% Mg	% CuPy	% Calcite	% Qtz	% Chl	% Gnt	% Ept	COMMENTS	Au	Prob. 2 nd	Other
205	V	X	dk brown gray	Tr	Tr				Tr					biotite horn fcls/vol	<5	✓	35°
210	V	X	+ white	↓	↓		Tr		Tr					+ igneous part	<5	✓	40°
215	V	X							Tr ⁺	Tr			Tr		<5	✓	40°
220	Sk	Sk	+ orange white						1°	Tr ⁺	Tr	Tr	Tr	+ g ₂ up + skarn up	<5	Q	30°
225	V	X	↓	Tr ⁺					3°	Tr ⁺	Tr			+ g ₂ up	25	✓	15°
230	V	X		↓					Tr ⁺						<5	✓	35°
235	V	X		Tr					Tr						<5	✓	40°
240	V	X	+ orange	Tr ⁺						Tr ⁺	Tr	Tr ⁺	Tr ⁺	Pyrite is finely divided and may be greater by volume than indicated + igneous part	<5	✓	25°
245	V	X		Tr ⁺⁺									Tr	Volume than indicated + igneous part	<5	✓	30°
250	V	X	+ salmon pink	0.5°									Tr		<5	✓	30°
255	V	X		↓									Tr ⁺⁺		<5	✓	30°
260	V	X		2°									Tr		<5	✓	35°
265	V	X		3.0°					Tr				Tr		<5	✓	40°
270	V	X	bluish green brown	0.5°					Tr ⁺				Tr	dyke - chlorite intrusion	<5	✓	40°
275	V	X	+ white	1°			Tr			Tr		Tr ⁺⁺	Tr	500 dark w/vol.	<5	✓	45°
280	V	X		0.5°			Tr ⁺		Tr			Tr	Tr		<5	✓	50°
285	V	X		↓			Tr		2°				Tr		<5	✓	55°
290	V	X	+ white	↓					Tr ⁺	Tr					<5	✓	45°
295	V	X		↓	Tr				Tr				Tr		<5	✓	30°
300	V	X		↓	↓					Tr				volcano	<5	✓	55°

Spruce

CROWN RESOURCE

LOCATION: Paulson

DRILL HOLE 92 PA #9

Coords. _____ LITHOLOGY

ALTERATION (1-5)

Total Depth 250'

N. _____ CLASTIC

CLAY

Collar Elev. _____

E. _____ LIMESTONE

SKARN

Angle -45°

Date: _____ DIORITE

OXIDATION

Bearing 135°

Collared _____ GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 1 of 3

	LITH	ALT	COLOR	% Py	% Po	% As	% Py	% Mag	% Cu	% Py	Cal Cite	% Syn	% Gnt	% Ept	COMMENTS	PA Au	PA 2.5th	Other
05	X		Pink Brown Gray												Soil			
10	X														↓			
15												Tr			Regolith	15	X	10°
20	X														Volcanic? very fine grained andesitic intrusives	10	X	15°
25	X		Greenish to brown light gray	2°							.5°				diorite	265	X	25°
30	X			↓							↓	Tr				20	X	30°
35	X			↓							5°					75	X	35°
40	V		dark gray	5°							Tr				Volcanic	5	V	80°
45	X		gray + light gray	1°							1°	Tr			very fine grained feldspar rich diorite	10	X	25°
50	X	SK		Tr+			Tr				↓	↓	Tr?	Tr++		100	X	30°
55	X			1°							2°	.5°			bleached	180	X	10°
60	V			Tr+							↓	Tr++			Volcanic very fine grained intrusives	150	X	25°
65	V	SK		↓							.5°		Tr+			10	V	30°
70	V	SK		Tr							1°		Tr			15	V	35°
75	V		dark gray				Tr				Tr+				volcanic or mafic granulite intrusives	25	V	75°
80	V			Tr							Tr							80°
85	V	SK	dark gray to brownish gray	Tr+							1°		Tr		skarn hornfels? becomes increasingly skarn with depth (epidote skarn)			70°
90	X			Tr							↓		Tr				X	65°
95	X		brown to grayish green	↓							2°		Tr++	1°			X	50°
100	V			.5°							3°		1°	3°	endo skarn		X	50°

CROWN RESOURCE

 LOCATION: Paulson

 DRILL HOLE 92 PA #9

Coords. _____ LITHOLOGY

ALTERATION (1-5)

Total Depth _____

 N. _____ CLASTIC

 CLAY

Collar Elev. _____

 E. _____ LIMESTONE

 SKARN

Angle _____

 Date: _____ DIORITE

 OXIDATION

Bearing _____

 Collared _____ GRANODIORITE

 BLEACHING

Logged by _____

 Completed _____

 Page 2 of 3

	LITH	ALT	COLOR	% Py	% Po	% AsPy	% Mg	% CuPy	% Cal Cite	% Oliv Chips	% Gnt	% Ept	COMMENTS	Au	Bl. Lith	Other
105	X		dark greenish gray				Tr		1.°				Volcanic? u/f g intrusive diorite	10	X	15.°
110	X								↓					15	X	15.°
115	X	Sk							↓			.5°		15	X	25.°
120	X			Tr+					Tr+		Tr	Tr		10	X	25.°
125	X								1.°		Tr	Tr		15	X	25.°
130	X			Tr+					↓		Tr	Tr+		15	X	30.°
135	X		plus white	↓	Tr		Tr		Tr+	Tr		Tr+		10	X	30.°
140	X		↓	Tr			Tr		↓	↓		Tr+		5	X	25.°
145	X			↓	Tr		Tr		Tr			Tr		120	X	70.°
150	X		plus gray	↓			Tr		.5°	Tr		Tr		40	X	35.°
155	X			.5°					Tr				Volcanic u/f g volcanic	35	V	80.°
160	X	Sk	plus mottled	Tr+					.5°	Tr	Tr	Tr	u/f g feldspar intrusive volcanic?	20	X	75.°
165	X			↓					Tr				intrusive texture diorite	15	X	60.°
170	X			↓					↓					15	X	55.°
175	X								↓					20	X	40.°
180	X			Tr+					↓					15	X	45.°
185	X		plus mottled	.5°					3.°			Tr		20	X	25.°
190	X			Tr++	Tr				↓				limy volcanic? qtz veining some intrusive text.	7/5	V	50.°
195	X			Tr+					↓	.5°	Tr+	Tr		145	X	45.°
200	X		pale green and gray w/white	2.°					↓	Tr+	Tr	Tr		75	X	10.°

CROWN RESOURCE

LOCATION: Paulson

DRILL HOLE 92 AA # 9

Coords. _____

LITHOLOGY

ALTERATION (1-5)

Total Depth _____

N. _____

CLASTIC

CLAY

Collar Elev. _____

E. _____

LIMESTONE

SKARN

Angle _____

Date: _____

DIORITE

OXIDATION

Bearing _____

Collared _____

GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 3 of 3

Depth	LITH	ALT	COLOR	% Py	% Po	% As	% Py	% Mg	% Cu	% Py	% Calc	% Oliv	% Chl	% Gnt	% Ept	COMMENTS	Au	Ag	Cu	Zn	Pb	Other	
																							City
205	X		dark greenish gray	Tr	Tr ⁺						.5			Tr?	Tr	intrusive 2-30% feldspar crown with some quartz	10						30°
210	X		↓	Tr ⁺⁺	↓						↓					↓	20						40°
215	X		pale greenish gray	1.°	Tr						↓					intrusive feldspar	105						20°
220	XX		dark gray	Tr	↓			Tr			↓					↓	5						25°
225	X		waxy matrix	Tr ⁺				↓			↓					mix feldspar intrusive dark volcanic	50						40°
230	X			Tr				↓			1.°	Tr					70						60°
235	X			Tr ⁺				Tr ⁺			Tr						10						50°
240	X			Tr ⁺	Tr			Tr			↓						25						35°
245	✓			Tr	Tr ⁺⁺			Tr ⁺			.5					Volcanic	25						50°
250	✓		↓	↓	Tr			.5			Tr					↓	25						65°
55																EDW							
60																							
65																INTERVALS GREATER THAN TWICE THE DETECTION LIMIT.							
70																							
75																							
80																							
85																							
90																							
95																							
00																							

95/250 = 38%

CROWN RESOURCE

LOCATION: _____

DRILL HOLE 92 PA #10

Coords. _____ LITHOLOGY

ALTERATION (1-5)

Total Depth 150

N. _____ CLASTIC

CLAY

Collar Elev. _____

E. _____ LIMESTONE

SKARN

Angle -60

Date: _____ DIORITE

OXIDATION

Bearing East

Collared _____ GRANODIORITE

BLEACHING

Logged by _____

Completed _____

Page 1 of 2

*Quick log
Hand lens
Rev*

Depth	LITH	ALT	COLOR	% Py	% Po	% AsPy	% Mg	% CuPy	% Calc	% Oliv	% Chl	% Gnt	% Ept	COMMENTS	Au	Ag	Zn	Other
05	/														25			
10	/														10			
15	X		dk grey lt green	Tr					1.0					with x line pyritic diorite	45	X		
20	X			Tr					3.0						205	X	X	
25	X			Tr+					2.0						10	X	X	
30	X			0.5					2.0	Tr					15	X	X	
35	X			0.5					5.0						40	X	X	
40	X			1.0					5.0	Tr					55	X	X	
45	X			1.0					2.0						45	X	X	
50	X			1.0					2.0						10	X	X	
55	X			2.0					3.0	Tr					45	X	X	
60	X			0.5					3.0						45	X	X	
65	X			3.0	Tr+				1.0						45	X	X	
70	X			0.5	Tr				1.0						15	X	X	
75	X			1.0					2.0	Tr					20	X	X	
80	X		dk grey lt grey	5.0	Tr+				5.0						45	X	X	
85	X		dk brown lt grey	0.5	Tr				Tr+					Altered Volcanic	5	X		
90	X			0.5	Tr			Tr	Tr+						45	X		
95	V			2.0	Tr			Tr	Tr+						45	V	V	
100	V			0.5	Tr				Tr+						45	V	V	

*Pyritic
Oxidation
Bleaching*

Other

REVISIONS	BY

PAULSON PROJECT - SPRUCE GROUP - TRAIL CREEK MINING DIVISION B.C.
 -80 MESH GOLD IN SOIL GEOCHEM ASSAYS IN P.P.B.
 1992 REVERSE CIRCULATION DRILL HOLE COLLARS AND NUMBERS

FIG #7

Date	
Scale	1:400
Drawn	REM
Job	PAULSON SPRUCE
Sheet	1
Of	1 Sheets

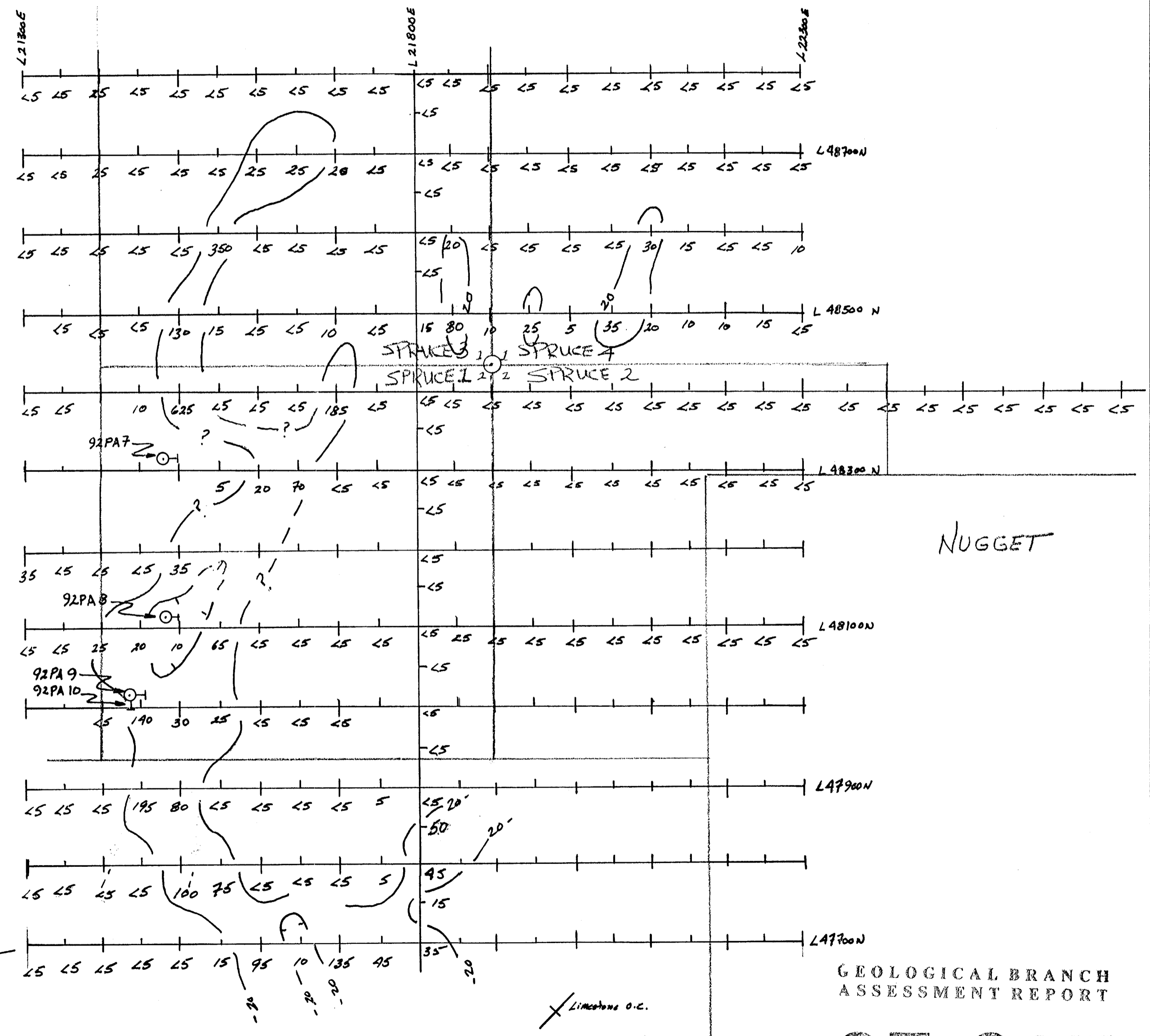
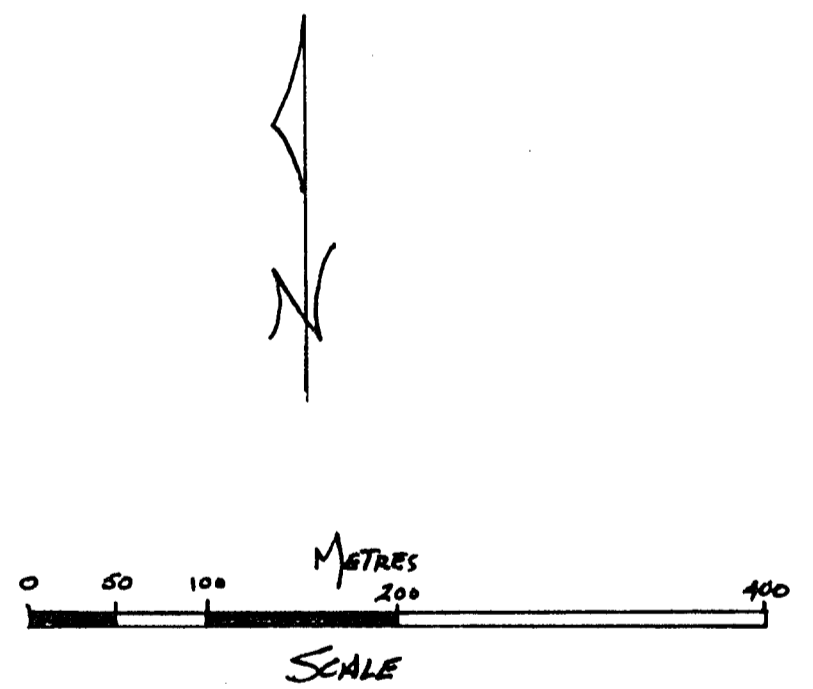
LEGEND

Grid line photo. gold in P.P.B. 150

gold Value Contour 20

drill hole collar w/direction of hole Number 92PA7

Claim line & Corner



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

23,203

REVISIONS	BY

PAULSON PROJECT - SPRUCE GROUP - TRAIL CREEK MINING DIVISION BC.
TOTAL FIELD MAGNETIC READINGS IN GAMMAS

FIG #8

Date	
Scale	1:400
Drawn	REM
Job	PAULSON SPRUCE
Sheet	1
Of	1 Sheets

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23.203

L-47700N

L-21800E

NUGGET

