

ANNUAL REPORT ON THE  
CHRISTINA JEAN PROPERTY  
OMINECA MINING DIVISION, B. C.

NTS 93 O/4

LATITUDE: 55 03 N

LONGITUDE: 123 50 W

OWNER/OPERATOR:

DAVID FORSHAW

BOX 419, MACKENZIE, B. C.

V0J 2C0

BY:

DAVID FORSHAW

SEPTEMBER, 2002

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT

26 960

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## LOCATION AND ACCESS

The property is located approximately 140 kilometers northwest of Prince George and 46 kilometers west of Mackenzie, B.C. on the Philip Forest Service Road. The Christina Jean claim is centered on 55° 03' north latitude and 123° 54" west longitude on NTS sheet 93 O/4. It is accessible by logging roads from spring to fall or by helicopter from Mackenzie.

## TOPOGRAPHY AND VEGETATION

The topography of the area is rolling hills ranging in elevation from 980 m. (2990 ft) above sea level (ASL) to 1250 meters (3800 ft) ASL covered with economic stands of spruce and fir and also poplar trees. The area is covered with a moderate to thick blanket of glacial till, in places greater than 30 meters. Outcrop exposure is limited to less than 1% with the best exposures found along road cuts and at higher elevations.

## PROPERTY STATUS

The property consists of 1 four-post mineral claim, Christina Jean mineral claim .  
Tenure Number 390809, date of record October 28, 2001.

## HISTORY

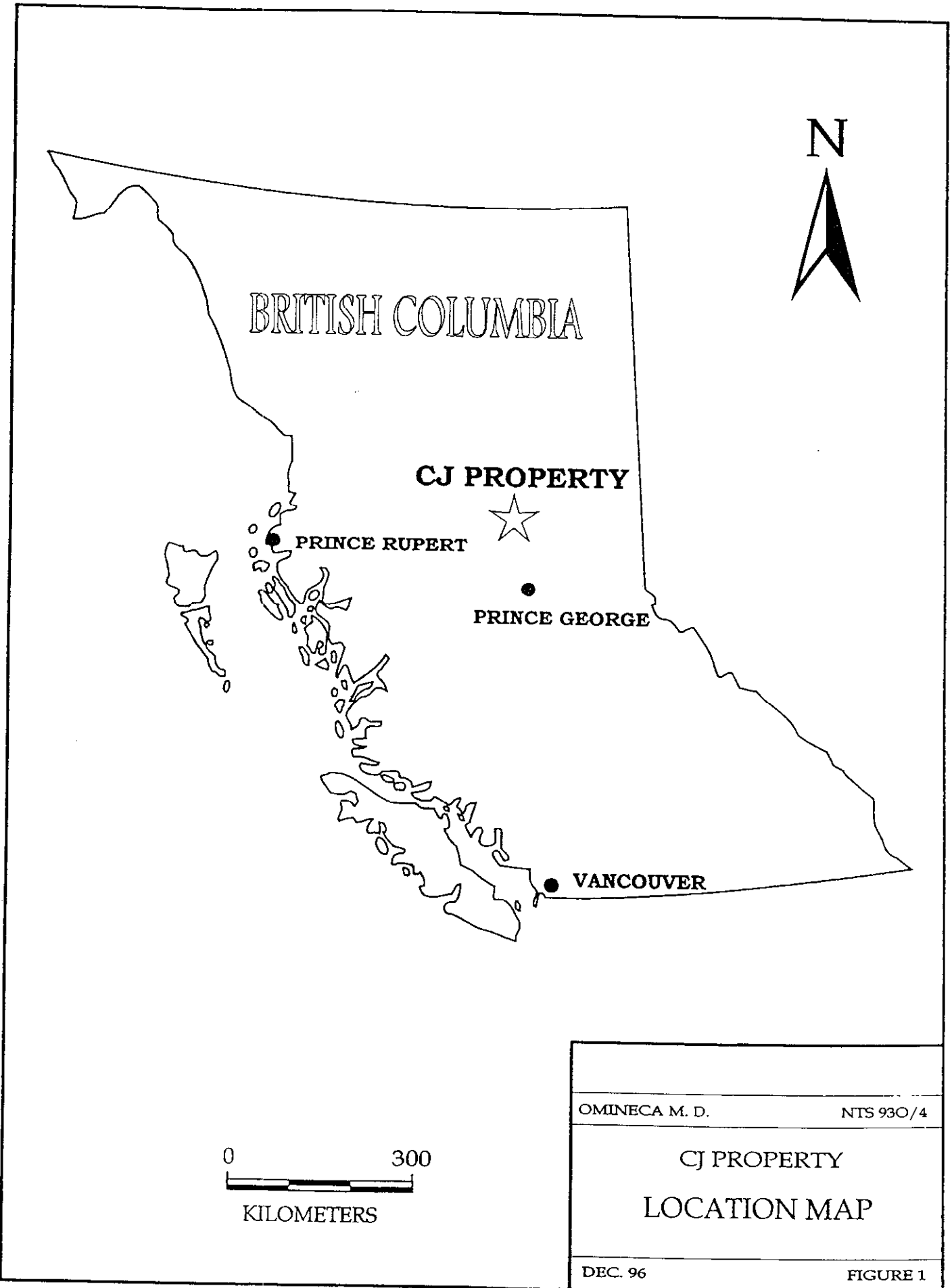
The property is located 10 kilometers southeast of Placer Dome's Mt. Milligan copper/gold porphyry deposit. The southern part of the property was explored by BGM Diversified Energy Inc. in 1991 (Leriché, 1991) following the exploration boom in the area associated with Mt. Milligan's discovery. An airborne magnetics and VLF survey was flown which highlighted two large east-west magnetic highs flanked by high contrast magnetic low. Coincident with the magnetic highs are three significant copper anomalies. Although a follow-up program was recommended, no further work was done and the claims were allowed to lapse.

In 1991 the Geological Survey of Canada (GSC) conducted a high resolution airborne gamma ray spectrometric (AGRS) survey (Shives, R.B.K., Ballantyne, S.B. and Harris D.C., 1991) over the Mt. Milligan area. This survey delineated potassic halo "bulls-eyes" over the Mt. Milligan, Taylor, Wit, Chuchi and other known deposits and identified several new targets, one of which lies under the property known as the "K6" anomaly.

The property was restaked by David Forshaw, a local prospector, and optioned to Pacific Mariner Exploration Ltd., later renamed Abitibi Mining Corp., in February 1994. Additional ground was staked to cover the southern part of the potassic anomaly which included the BGM copper soil anomaly. Three diamond drill holes were completed in August of 1994 to test the core of the potassic anomaly at depth. The drilling returned low but significant values of copper and gold. Minor soil sampling was completed in 1995 for assessment work.

In 1996 Abitibi had 20 line kilometers of grid lines cut for an IP survey. The survey returned several moderate to strong chargeability highs in various parts of the property. In addition, 292 soil samples were collected on two separate grids (Southam, 1996). The results from the east grid on the east side of CJ lake identified strong copper mineralization, up to 1210 ppm, northwest of previously identified copper-in soil mineralization. 80 more samples were collected to determine the extent of the mineralized zone, an anomaly which is 1.3 kilometers long by 300 - 400 meters wide and trends northeast along the northwest edge of an airborne magnetic high anomaly. The core of this anomaly, a zone averaging above 175 ppm copper-in-soil, is 500 meters by 150 - 200 meters. In the fall of 1996 three diamond drill holes were completed on the property, totaling 442 meters.

Abitibi dropped the Christina Jean mineral claim. In October of 2001 it was restaked by David Forshaw.



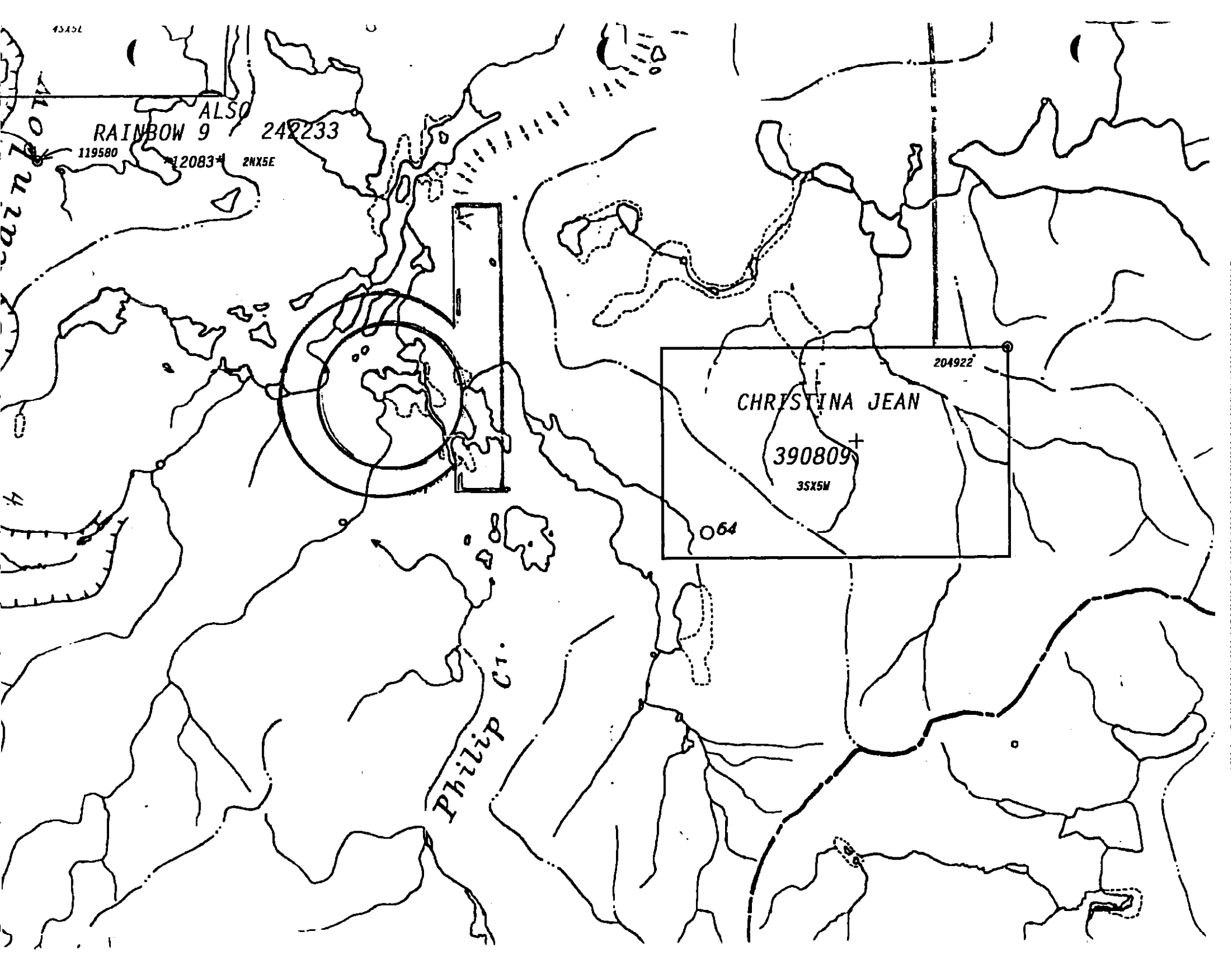
OMINECA M. D.

NTS 930/4

CJ PROPERTY  
LOCATION MAP

DEC. 96

FIGURE 1



4349L

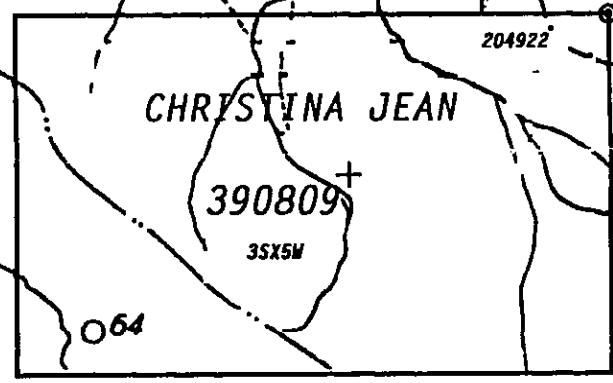
ALSO  
RAINBOW 9

242233

119580

12083+

2NX5E



204922

CHRISTINA JEAN

390809+

3SX5W

064

Philip Ct.

## REGIONAL GEOLOGY

The following has been culled from the capsule geology on Minfile number 093N 194 of the Mount Milligan deposit:

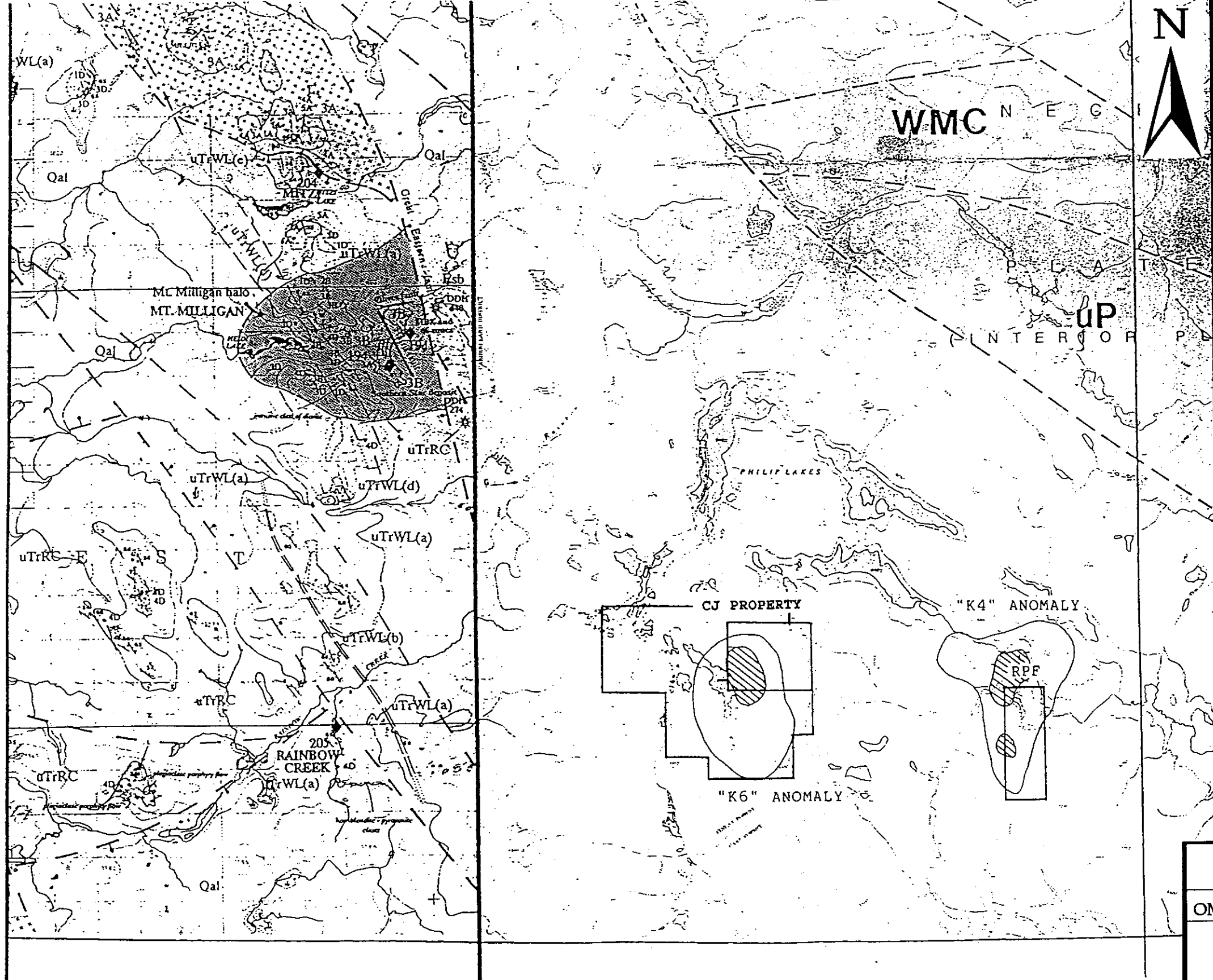
The claims lie within the Quesnel Belt, composed of Upper Triassic Takla Group andesitic to basaltic massive volcanic flows, sills and volcanoclastic rocks that have been metamorphosed to greenschist facies and intruded by intermediate to mafic subvolcanic and plutonic rocks. Lithologies within the Takla Group include augite and plagioclase porphyritic flows and tuffs and their subvolcanic equivalents, massive non-porphyritic flows and crystal lapilli tuffs. The intrusive suite includes a complex mix of syenite, monzonite, diorite/monzodiorite and gabbro/monzogabbro from the Late Triassic - Early Jurassic and Late Cretaceous granite.

The Mount Milligan deposit is underlain by coarse-grained labradorite diorite and biotite-bearing monzodiorite in the north, and central segment of quartz porphyritic and megacrystic feldspar porphyritic phases, and a southern segment of biotite quartz diorite. The pluton is complicated by several complex sheeted and pegmatitic dyke phases and xenoliths and rafts of biotite hornfels wallrock.

The dominant structural trend is north-northwest with most rock units subvertically oriented, probably due to block faulting and rotation. Faults and shear zones are mainly oriented northeast and northwest.

## PROPERTY GEOLOGY

Field observations on the Christina Jean property identified augite porphyritic volcanic of the Takla Group subcropping to the north of CJ Lake. The rocks are tinted pink and light green with potassic and epidote alteration due to a syenite intrusive subcropping to the northwest in the west - central part of the claim. The subcrop of syenite is located at the center of the "K6" anomaly identified by the AGRS survey.



**LEGEND**

**LAYERED ROCKS**

**QUATERNARY**

Qal UNCONSOLIDATED GLACIAL TILL AND ALLUVIUM

Qb OLIGOCENE-BEARING BASALT

**Eocene - Oligocene**

Esb VOLCANIC WACKE, PLANT-BEARING, VOLCANIC ASH-RICH MUDSTONE AND BASALT

**UPPER TRIASSIC (- JURASSIC)**

**TAKLA GROUP**

uTrCL CHUKCH LAKE FORMATION: (A) GREEN AND MAROON HETEROLYTHIC AGGLOMERATE; (B) PLAGIOCLASE PORPHYRY TRACHYTE FLOWS AND BRECCIAS; (C) INTERVOLCANIC SEDIMENTS

uTrWL WITCH LAKE FORMATION: (A) ALGITE (= PLAGIOCLASE + HORNBLENE) PORPHYRY AGGLOMERATE, LAPILLI TUFF AND EPICLASTIC SEDIMENTS; (B) TRACHYTE FLOWS AND TUFF-BRECCIAS; (C) PLAGIOCLASE (= ALGITE) PORPHYRY LATITE FLOWS AND AGGLOMERATES; (D) EPICLASTIC SEDIMENTS (SANDSTONES AND SLTSTONES) AND MINOR AMYGDALOIDAL TRACHYTE FLOWS; (E) AMPHIBOLITE AND METAMORPHOSED ALGITE PORPHYRY FLOWS, LAPILLI TUFF, AGGLOMERATE AND SEDIMENTS

uTrL WIZANA LAKE FORMATION: VOLCANIC SANDSTONE, SILTSTONE, MUDSTONE, ANGLITE, LAPILLI TUFF AND SEDIMENTARY BRECCIA

uTrRC RAINBOW CREEK FORMATION: GAZY SLATE, THIN BEDDED SILTSTONE, MINOR VOLCANIC SEDIMENTS

**INTRUSIVE ROCKS**

**LATE CRETACEOUS-EARLY TERTIARY**

1 GRANITE SUITE: (1A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR GRANITE; (1B) RHYODACITE/DIORITE

**LATE TRIASSIC-EARLY JURASSIC**

2 SYENITE SUITE: (2A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR SYENITE; (2B) CROWDED PLAGIOCLASE PORPHYRY SYENITE; (2C) MEGACRYSTIC SYENITE

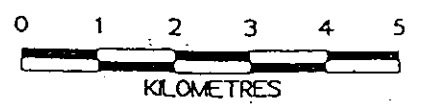
3 MONZONITE SUITE: (3A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR MONZONITE; (3B) CROWDED PLAGIOCLASE PORPHYRY MONZONITE; (3C) MEGACRYSTIC PLAGIOCLASE MONZONITE; (3D) SPARSELY PORPHYRY LATITE

4 DIORITE/MONZONODIORITE SUITE: (4A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR DIORITE/MONZONODIORITE; (4B) CROWDED PLAGIOCLASE PORPHYRY DIORITE; (4C) MEGACRYSTIC PLAGIOCLASE (= ALGITE) PORPHYRY DIORITE; (4D) SPARSELY PORPHYRY ANDESITE

5 GABBRO/MONZOCABBRO SUITE: (5A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR GABBRO/MONZOCABBRO

Geology Sources  
 93 N/2E BC-MEMPR of 1992-1994 J.L. Nelson et al.  
 93 N/1 BC-MEMPR of 1991-1993 J.L. Nelson et al.  
 93 O/4W BC-MEMPR Geological Highway Map No. 3

Scale = 1:100 000



OMINECA M.D., BC	NTS 930/4
<b>CJ PROPERTY</b>	
<b>REGIONAL GEOLOGY</b>	
FROM OPEN FILE 2535	
SCALE 1:100,000	
DEC. 96	FIGURE 3



## WORK PROGRAM

Three lines of soil samples were completed on the Christina Jean mineral claim. The first was run from where the west claim line intersects with CJ Lake, going south east on a line fifteen meters north of the lake. Soil samples were taken every fifty meters, over a distance of three hundred meters. One sample from this line was chosen for analysis, CJWL 230E.

The second line followed the western claim line from CJ Lake to the northwest corner, a distance of one thousand one hundred fifty meters, taking soil samples every fifty meters. Four samples were selected for analysis, (1) CJWL 114 N, (2) CJWL 420 N, (3) CJWL 600 N, and (4) CJWL 950 N.

The third line followed the northern claim line from the northwest corner to a point six hundred fifty meters to the east. Two of these samples were chosen for analysis, (1) CJWL 1150 N 100 E, and (2) CJWL 1150 N 210 E.

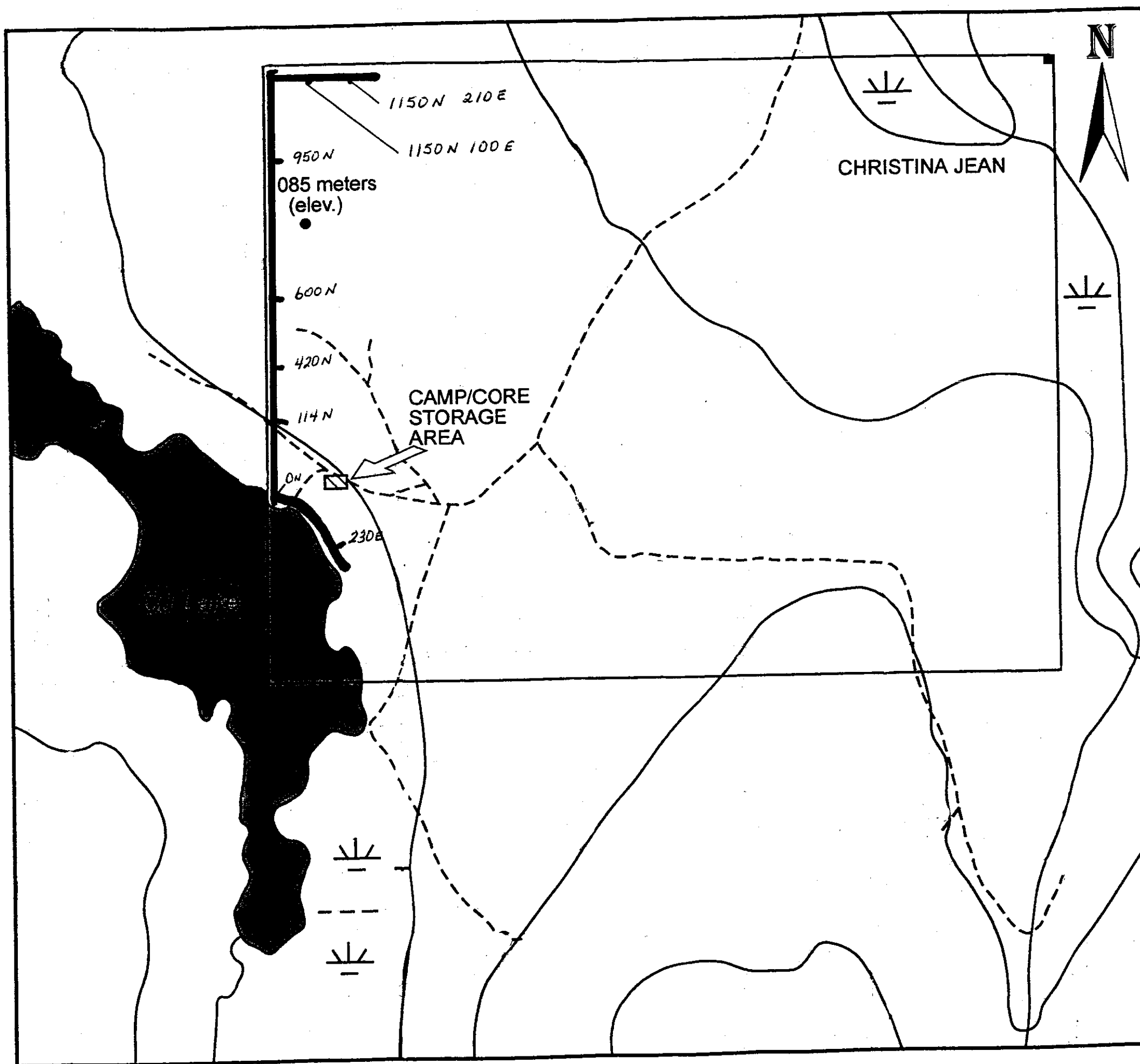
The area of work was chosen due to the encouraging results of the 1997 I.P. Survey, which indicated potential in the northwest corner of the Christina Jean mineral claim. All samples taken were from areas previously untested.

## GEOCHEMICAL SURVEY METHODS

The soil samples were taken primarily from areas where logging had occurred but soil structure was still intact. Sample stations are at fifty meter intervals and marked with flagging tape. Soil samples were taken from the "B" horizon, found at depths of five to forty centimeters, using a spade. The samples were placed in Kraft soil sample bags and dried prior to shipping to Acme Analytical Laboratories for analysis. Each sample was tested for gold, copper, iron, arsenic, and potassium using I.C.P.

## GEOCHEMICAL SURVEY RESULTS

The results of the survey on the Christina Jean mineral claim this year were only weekly anomalous in gold and copper, with highs of 37.7 ppb and 37.2 ppm respectively. The soil samples collected previously in the vicinity of the southern claim line returned significantly higher results in both gold and copper.



**LEGEND**

CJWL SAMPLE POINTS 

ROAD 



OMINECA M.D., BC **CJ PROPERTY** NTS 93-0-4W

**CJWL**  
SOIL SAMPLING GRID MAP

SCALE 1:10,000

DATE: Oct. 15/02  
BY: RDF

FIGURE

## SUMMARY AND CONCLUSIONS

The Christina Jean mineral claim is underlain by rocks of the Quesnel Belt which are known to host a number of copper - gold porphyry deposits associated with alkalic magnetism including the Mount Milligan deposit which lies just ten kilometers to the northwest. A potassic anomaly covers the mineralized areas found on the Mount Milligan deposit. A potassic anomaly also exists on the Christina Jean claim. The geochemical sampling program shows that weakly anomalous copper/gold exists at the north and west part of the claim which warrants follow up work.

It is recommended that the remaining samples that were collected in the 2002 program will be analyzed and the grid extended to the east five hundred meters.



SAMPLE#	Cu ppm	Fe %	As ppm	Au ppb	K %
G-1	1.9	1.76	.5	.7	.44
CJWL 230E	16.0	1.09	2.3	4.9	.06
CJWL 114N	25.7	3.45	12.9	37.3	.06
CJWL 420N	57.5	3.03	7.1	3.8	.07
CJWL 600N	24.7	3.67	8.5	<.5	.06
CJWL 950N	37.2	4.00	13.0	1.4	.22
CJWL 1150N 100E	38.9	2.80	13.0	.9	.11
CJWL 1150N 210E	30.9	2.85	9.7	3.8	.08
RE CJWL 1150N 210E	30.9	2.89	9.4	1.5	.08
<del>GRM 1000N 225E</del>	<del>10.6</del>	<del>2.27</del>	<del>5.5</del>	<del>.5</del>	<del>.04</del>
<del>GRM 1000N 450E</del>	<del>146.3</del>	<del>3.80</del>	<del>21.6</del>	<del>8.5</del>	<del>.05</del>
<del>GRM 900N 75E</del>	<del>21.5</del>	<del>3.00</del>	<del>11.6</del>	<del>2.4</del>	<del>.04</del>
<del>GRM 900N 375E</del>	<del>65.3</del>	<del>2.94</del>	<del>11.1</del>	<del>1.3</del>	<del>.03</del>
<del>GRM 900N 600E</del>	<del>90.5</del>	<del>4.21</del>	<del>11.8</del>	<del>1.7</del>	<del>.15</del>
STANDARD DS3	123.0	3.11	32.6	19.8	.16

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date Received by Acme Analytical Laboratories : Aug 08, 2002.

Date Mailed by " " " : Aug 16, 2002. DF

**CHRISTINA JEAN -- EXPENDITURES**

**SALARIES**

Dave Forshaw 3 man days @ 150/day 440.00

**REPORT PREPARATION**

Dave and Valerie Forshaw 180.00

**LOGISTICAL COSTS**

Food and Lodging 150.00  
Vehicle, Fuel and Maintenance 300.00

**ANALYSIS - SOIL TESTING**

7 Samples @ 7.50 (Group IDX-5 Elements) 52.50  
7 SS80 Soil Preparation @ 1.50 10.50  
Tax 4.41

**EQUIPMENT COSTS**

Chain Saw 150.00

**FILING FEES** 150.00

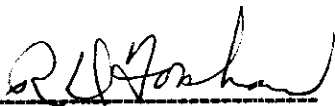
**SUBTOTAL** 1437.41

**ADMINISTRATION FEE (15%)** 215.61

**TOTAL** 1653.02

## **STATEMENT OF QUALIFICATIONS**

1. Twenty-four years of active prospecting experience.
2. I have completed courses in the following: Basic Prospecting, Advanced Prospecting, Drift Prospecting, Radiometrics, Geochemical, Placer, Industrial Minerals and Carlin-Type Au Deposits. I have attended the Cordilleran Roundup Mining Convention in Vancouver and the Minerals North Conference each year. I have also attended a great number of talks given by specialists in the mining field.
3. I have organized and assisted in twelve Basic Prospecting Courses, one Advanced Prospecting Course, one Placer Course, and instructed one Basic Prospecting Course.
4. I am the mining consultant for the District of Mackenzie Economic Development Advisory Committee.
5. I represented the B. C. & Yukon Chamber of Mines in the Mackenzie L.R.M.P. process.
6. I assist teachers in Mackenzie and Prince George Elementary and High Schools with their Geology related subjects, in the classroom and on field trips. I now do this through the CAST Program (Scientists & Innovators in the Schools).
7. I am a member of the Omineca Exploration Group and actively work to bring the prospectors in our area educational courses, field trips, and interesting speakers from all aspects of the mining field.
8. I have also taken courses in Holistic Forestry and other forest related courses to further my understanding of our environment and for reclamation purposes, if ever needed.



**Dave Forshaw**

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