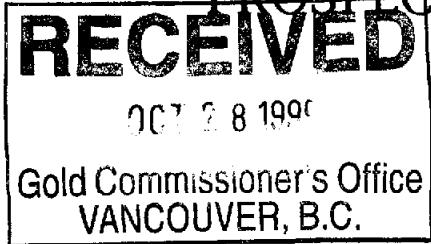


PROSPECTING REPORT - 1999



CUMMINS CREEK MINERAL PROPERTIES

Cummins #1	Record Number 681805
Cummins #2	Record Number 681806
Cummins #3	Record Number 681807

Omineca Mining District
Whitesail Range
93E11E

54 35 42 126 02 30

Owner: Bruce Holden
1111 North Central Road
Denman Island , B.C.
V0R 1T0

Authors: Bruce Holden
Randy Lord

October 11, 1999

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,060

Prospecting Report Cummins Creek Mineral Properties -1999

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PROSPECTING REPORT - CUMMINS CREEK - 1999

INTRODUCTION

Two prospectors examined the property for three days in the 1999 field season. Quartz veins were exposed and examined for enrichment and alteration zones and samples taken. Several hundred pounds of high quality quartz crystal specimens were recovered at the end of the season by helicopter.

LOCATION AND ACCESS

The Cummins Creek claims are located in the Omineca Mining District on the south flank of the Whitesail Mountain range some 95 km south of Houston, B.C. Copies of the current mineral titles reference maps and topographical map are attached as Appendix A. The claims are located at approximately 3,000 feet in elevation with snow cover from mid-September until July. Access to the area is by helicopter only from a pick up point reached by vehicle at the Tahtsa Reach barge crossing. The claims are in the steep canyons and mountainside along Cummins Creek.

PROPERTY HISTORY

In 1998 Bruce Holden staked three claims in the Cummins Creek area to cover a set of large quartz veins that had proven anomalous in earlier samples. Union Carbide and Canamax had explored the area briefly in the early 80's in a quest for epithermal gold deposits. The Cummins claims cover three units as follows:

<u>Claim</u>	<u>Record No.</u>	<u>Type</u>	<u>Units</u>	<u>Owner</u>	<u>Recording date</u>
Cummins #1	681805	2 post	1	B. Holden	August 27,1998
Cummins #2	681806	2 post	1	B. Holden	August 27,1998
Cummins #3	681807	2 post	1	B. Holden	August 27,1998

In 1998 grab samples were taken from a series of quartz veins and results although not dramatic indicated further assessment work was needed. In 1999 a three day field season resulted in further grab samples and several hundred pounds of specimen quartz crystal pieces. A copy of completed Notice of Work form is included as Appendix B.

REGIONAL/LOCAL GEOLOGY

The Cummins Creek properties are located in the west-central part of the Intermontaine belt of the B.C. cordillera along the southern margin of a major east northeast trending transverse tectonic belt known as the Skeena Arch. Rock units across the Intermontaine belt include upper Paleozoic to Miocene volcanics, sediments and intrusive rocks. The Hazelton group dominates the lithologies in this area. Volcanics of the upper cretaceous Kasalka and lower tertiary Ootsa Lake group were deposited in a series of basins across much of the area. This volcanic-tectonic episode is responsible for the development of many significant mineral deposits in west-central B.C.. Attached as Appendix C is a copy of a map of the mineral deposits/showings in the area.

On the Cummins claims numerous quartz veins in a northwest-southeast trending zone are exposed in the creekbed and along the canyons until they disappear into the mountain terrain. The veins are up to three meters in thickness, are exposed for lengths up to 100 meters and can be traced for distances up to three hundred meters. The best developed veins appear to strike generally northerly and dip vertically or at steep angles to the east. A map showing quartz veins and sample locations is attached as Appendix D

WORK DONE

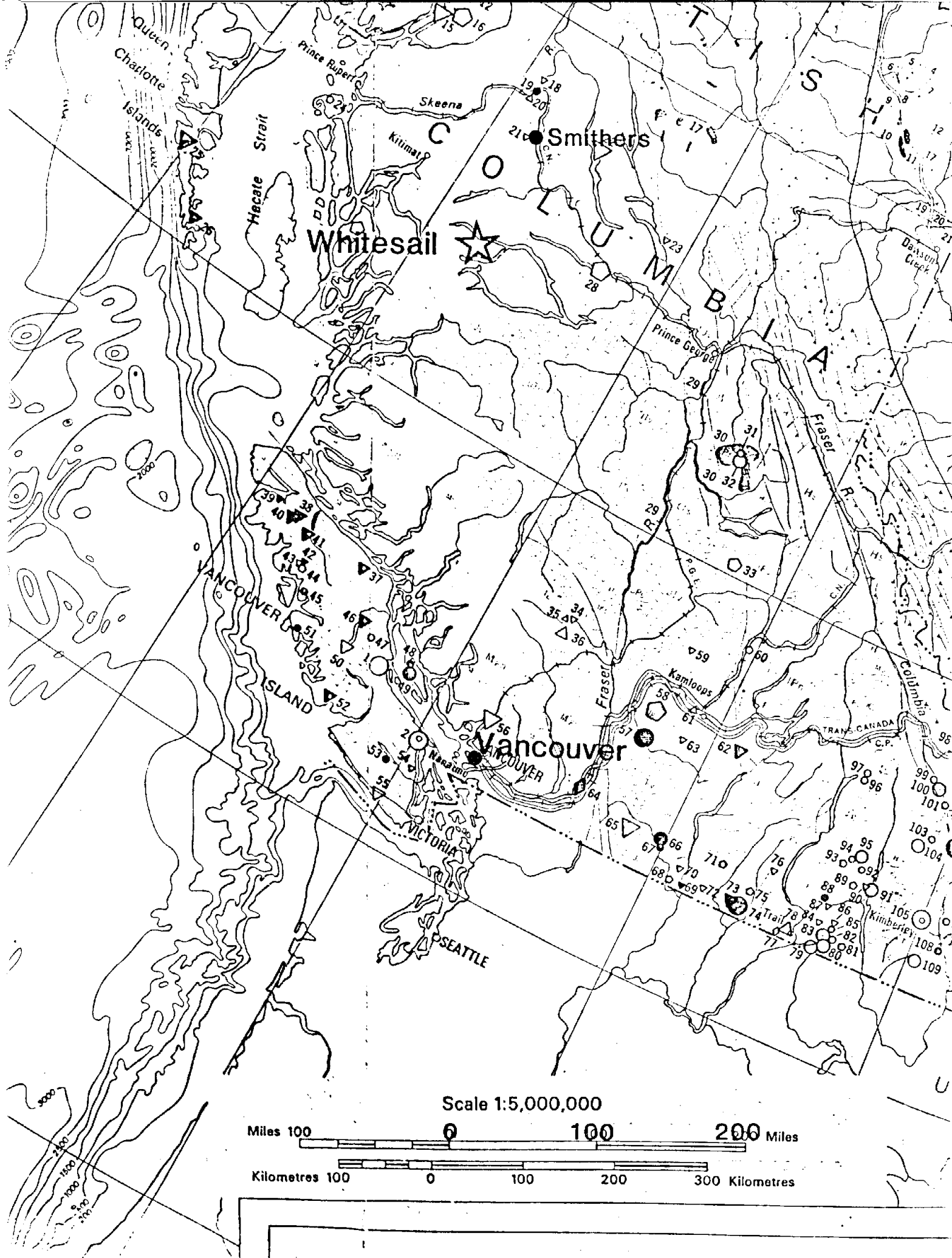
Prospectors Randy Lord and Bruce Holden spent three days each from August 13 to 15 collecting samples and mapping veins. Access to the property this season came via a traverse from our main camp and surface exposures along route were examined. A topographical map showing these traverses is included in Appendix A. Prospecting in the Cummins Creek drainage upstream from the property yielded minor float specimens. No quartz veins were noted. The next day the quartz veins on each of the claims were examined and sampled as required.

Veins were examined for enrichment with hand exposure wherever possible however very wet and slippery conditions precluded thorough examination of the steeper areas. The work this year was to take rock samples of quartz veins and country rock alteration zones where breccia quartz flooding was noted. The weather conditions were very poor but surface prospecting down the canyon and up slope was accomplished where safely possible.

This led to the discovery of crystalline quartz in several veins. A large amount of unusual specimen material was extracted and left beside the vein as no method was available to remove the pieces from the location they were in. Choice specimens were taken by backpack and at the end of our field season we recovered the extracted specimens by helicopter. Interest from collectors and museums has prompted us to clean and prepare specimens for display and sale. An itemized cost statement is included as Appendix E and the authors qualifications as Appendix F.

CONCLUSIONS

The results from ICP and fire assay analysis of the grab samples recovered this season, attached as Appendix G, are encouraging and indicate further assessment work is needed on these largely unexplored properties. The discovery of high quality and unusual quartz crystals has attracted considerable interest however due to the remoteness of the area they are likely to remain rare as well. An accelerated road building program by Houston Forests Product to respond to bug kill in the Whitesails could result in road access into the nearby area in the next several years allowing easier access for mineral exploration. We thank the Ministry of Employment and Investment for their financial support through the 1999 Prospectors Assistance Program and plan to continue to evaluate this interesting property .



Map grid with section numbers:
100 010 200 010 300 010
100 020 200 020 300 020
100 030 200 030 300 030
100 040 200 040 300 040
100 050 200 050 300 050
100 060 200 060 300 060
100 070 200 070 300 070
100 080 200 080 300 080
100 090 200 090 300 090
100 100 200 100 300 100

238417
3734°
55891

238597
OX EAST
FOX
240237
100081
100082
100083

MAP 093E11E
FEB 1988

R
A
N
G
E

Scattered
Snow

TROTTA
PK.

NORTHERN LIGHTS
360572
RAZORBACKS



NORTHERN LIGHTS
360572
100084
100085

CUMMIS NORTH
250540
100086
100087

CUMMIS

0
100
200
300
400
500
600
700
800
900
1000

3000'

TROTTSA
PK.

365269 365268

CUMMINS NORTH

238550

4570

4NX4W

46912

46911

CUMMINS #3

CUMMINS #2

CUMMINS #1

46910

JESSE

238551

4571

4SX4E

CUMMINS SOUTH

238549

4569

4SX4W

Cummins Cr.

3000'

MINERAL & PLACER RESERVE

DIC 300 10000

1911
+
OITSA
EAK

ICEFIELD

ICEFIELD

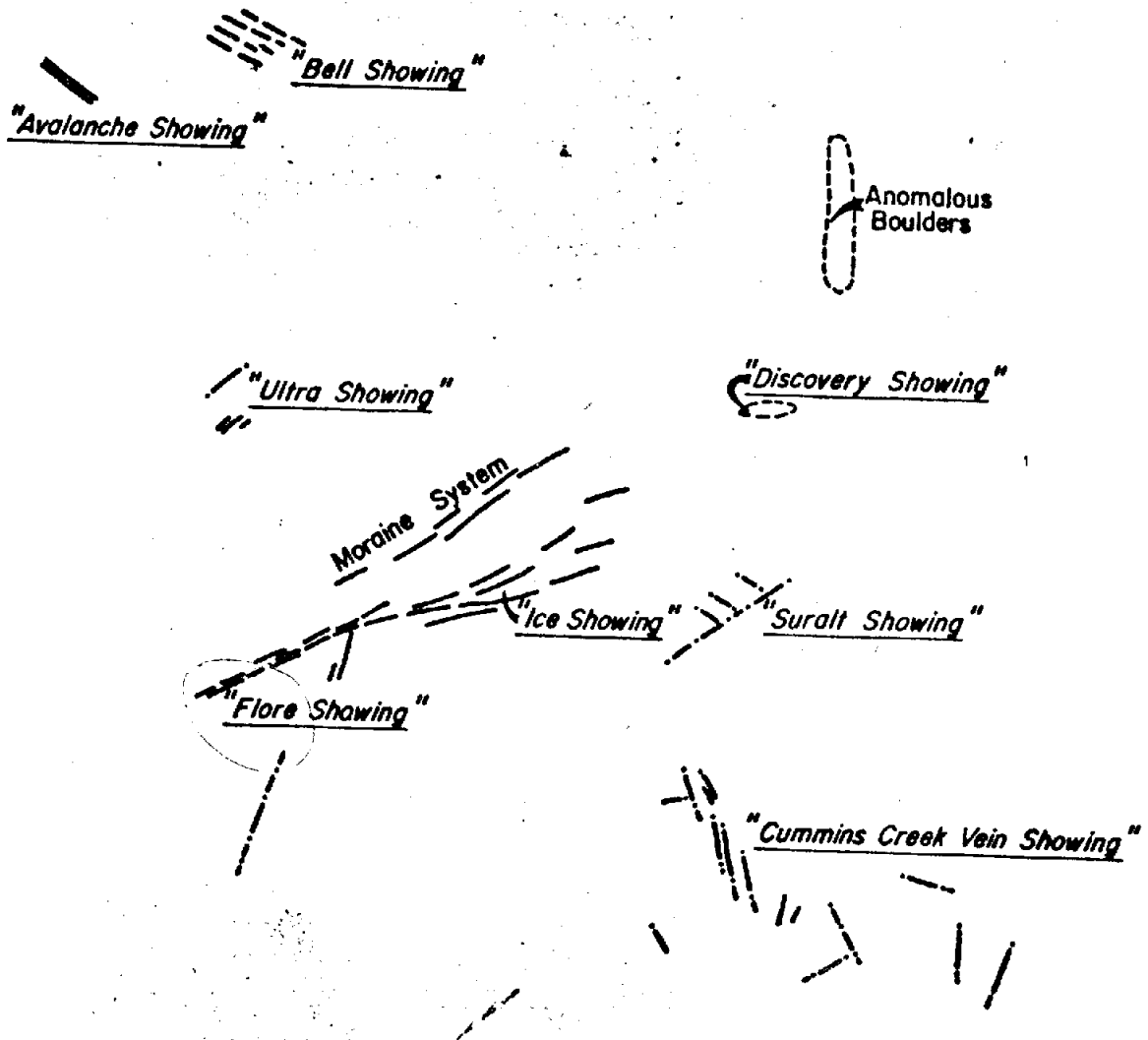
TRAVERSE

WHITE R. CAMP

Cummins

Camp

MINERALIZED SHOWINGS, SYSTEMS AND OCCURRENCES
WHITESAIL RANGE, BRITISH COLUMBIA



Camp

X

SLIDE

Qtz
vein
xstals

Qtz vein
xstals

C#4

Qtz vein
xstals

Qtz
vein
xstals

//

C#3

Qtz vein

C#2

C#1

ITEMIZED STATEMENT OF COSTS - CUMMINS CREEK - 1999

Number of days - 3

Number of prospectors - 2

Rate per day - \$100.00

Dates - August 13,14,15 1999

plus recovery of specimens August 28,1999 (no labour cost included)

food/accomodation costs - \$25 per day per man

Helicopter rate - \$750 per hour

Labour costs = 2 men x 3 days x \$100	=	\$600.00
Food accomodation = 6 x \$25	=	300.00
Grab Samples ICP and Fire Assay	=	131.00
Helicopter expense (pro rated @ 50%)	=	<u>500.00</u>
Total	=	\$1531.00

Personnel Biographies:

Bruce Holden

Completed advanced prospectors course in 1981. Has worked throughout the Northwest including the Toodoggone and Iskut regions. Involved in prospecting and staking for minerals and metals as a main occupation for 19 years. Co-founded Atna Resources with Tom Richards and has performed extensive field work. Presently resides on Denman Island, B.C. and while exploring independently and supplying mineral and fossil specimens to the wholesale trade remains dedicated to the exploration industry.

Randy Lord

Has worked in petroleum exploration and development in over 8 countries around the world and holds 2 Magna Cum Laude diplomas from BCIT. *Started collecting rocks and minerals 39 years ago and learned lapidary skills at the largest Vancouver based club 25 years ago.* Has extensive knowledge of BC locations and currently resides in Burnaby , B.C.