

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 92.08.21

ASSESSMENT REPORT 21665

MINING DIVISION: Osoyoos

PROPERTY: Lucky
LOCATION: LAT 49 06 00 LONG 120 19 15
UTM 10 5441810 695564
NTS 092H01W
CLAIM(S): Bill, Lucky
OPERATOR(S): Renning, M. Baldys, C.
AUTHOR(S): Renning, M.
REPORT YEAR: 1991, 25 Pages
COMMODITIES
SEARCHED FOR: Gold, Silver, Copper
KEYWORDS: Cretaceous, Kingsvale Group, Volcanics, Diatreme, Limonite
Chalcopyrite, Gold, Intrusives
WORK
DONE: Geochemical
SAMP 27 sample(s) ;ME
MINFILE: 092H

LOG NO: SEP 27 1991	RD.
ACTION:	
FILE NO:	

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,665

SUMMARY

1. From late April early September 1991, five property tours were given to major companies interested in the copper-gold discovery on the Bill claim. Additional efforts were made to seek out the source of the extremely high mercury value uncovered in a government regional geochemistry survey for map sheet 92H. In fact, it proved to be the highest value of the entire survey being over 5000ppb mercury.

2. Each tour started by foot from where the road is washed out at McBride Creek and continued through the Star and Amber claims to the two road accessible diatremes on the Bill and Lucky claims. The walk to the mineralized diatreme from this point takes a little over an hour at a brisk pace.

3. The five major companies given tours were: Placer Dome (Kamloops), Corona Corp., Kennecott, Rio Algom and Teck Explorations Limited. Other companies that visited the claims in this time (unaccompanied) were Lac Minerals Ltd. and Princeton Mining Corp. Other enquiries were made by Homestake Mineral Development Co. and Canamax Resources Inc. with no apparent visits to the property.

4. Placer Dome analyzed 102 feet of quartered core with each sample containing about 5 feet of core. Six of these samples returned values greater than 1000ppb Au and were fire assayed for precise results. For this work, Placer held a verbal first right of refusal for the Ashnola claims held by Renning/Amber Minerals Ltd. and Baldys. Placer later visited the claims to verify the source of the core and did not take any further samples.

5. Rock samples were collected by Corona Corp., Kennecott and Teck Explorations with results provided by only Kennecott and Teck Explorations Limited. In addition to the assay results, Teck also provided a field report which proved useful in determining that anomalous bismuth and lead values are found with the higher copper and gold values within the matrix of the breccia.

6. Results from earlier drill core sampling on the same diatreme, by Chris Baldys P.Eng., returned highly anomalous values in copper and gold. The results of this sampling led to the staking of much additional ground. The drill core was found to be exceptionally well stored and the dry climate ideal for preservation.

7. It seems probable that there will be one or several zones of economic copper-gold potential within or proximal to the Prism copper-molybdenum porphyry. The northwestern portion of the Lucky claim contains a 'bullet hole' target discovered from Murtec Resources Ltd. program of soil sampling, VLF-EM, and magnetometer surveying. At this location, there is a Fraser-filtered high of +42, a magnetic low of 56385 gammas and an anomaly of 13ppm Bi.

8. Epithermal altered zones, 'pebble dykes' or quartz-sericite-pyrite alteration relating to the centre of the copper/molybdenum porphyry on International Prism Resources property are also worthwhile exploration targets in this environment.

INTRODUCTION

Several property examinations carried out by major mining companies on the Star, Amber, Lucky and Bill claims during the summer of 1990, revealed that there is an enrichment within the matrix of the small copper/gold diatreme of bismuth and lead (up to 2880 ppm Bi and 1030 ppm lead described by A.I. Betmanis of Teck Explorations Limited, October 9, 1990). Perhaps more significantly, bismuth appears to show up well in the B-horizon soil sampling on the property in general. Well defined bismuth anomalies are easily observable in soil analysis contained in a report by John A. McClintock P.Eng., Feb. 6, 1988. The focus of this program revolved around gaining expert advise on how the property should be further explored.

The author undertook the property examinations in favorable weather conditions although the property was snow covered from the core shack and upwards in elevation until mid June.

Previous work on what is now covered by the Bill, Lucky, Amber and Star claims include stream and soil sampling, geological mapping, polarization surveys, trenching, drilling and road construction.

The earliest reported work in the Bill claim area was performed by D. Atkinson in September of 1972 when he discovered a limonite stained breccia pipe. Additional claims were immediately staked and by October of 1972 a polarization survey was carried out. This diatreme or, pipe breccia, is referred to as breccia #2 by John A. McClintock in his report to Murtec Resources Ltd. (1988), while it is referred to as the No. 1 Breccia Zone by R.W. Phendler in his report to the Mineral Mountain Mining Company in 1972. The diatreme which is the focus of this report was discovered in 1976 by prospecting and optioned by Santa Sarita in 1977 (referred to by McClintock as breccia #1). After only minor work the property was dropped and later acquired by Ashnola Mines Ltd. In 1979, Ashnola Mines Ltd. carried out a drilling program adjacent to International Prism Resources property under the supervision of J.H. Montgomery. During this time, an extensive access road was constructed to two known target areas, only one of which was drilled.

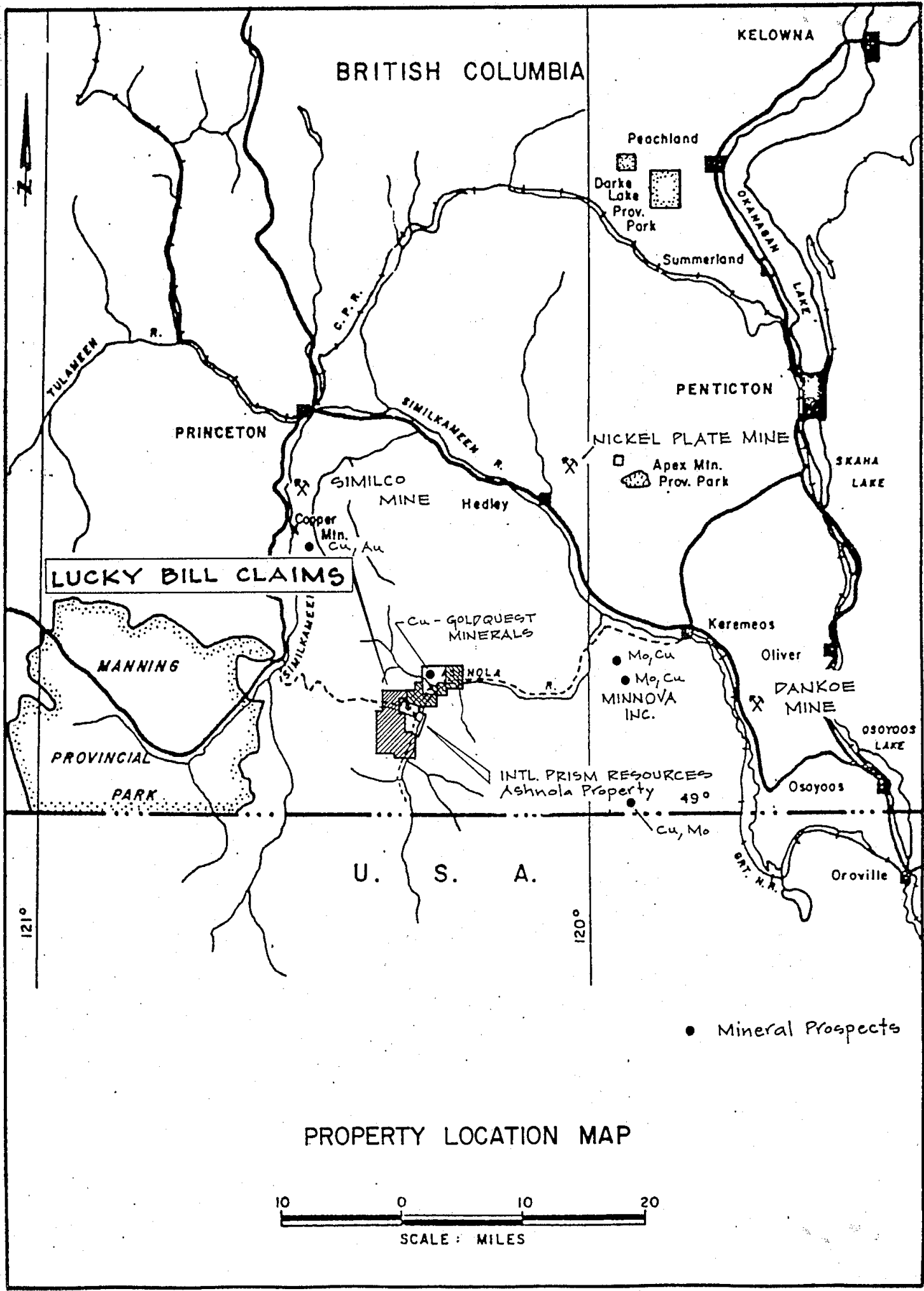
Over all the years of exploration, a preoccupation with base metal exploration did not allow for the analysis of gold. In June of 1990, a total of 12 rock (line) chip samples were collected by Teck Explorations Limited from the surface of diatreme-breccia #1 & 2 on the Lucky and Bill claims. Placer Dome assayed 21 drill core samples from the core shack of Ashnola Mines (1979) containing core from the diatreme-breccia #1.

LOCATION AND ACCESS

The property is located about 25 miles southwest of Keremeos B.C. Access is by the Ashnola river road or from the west over Placer Mountain on a good 4-wheel drive gravel road from the Hope/Princeton Highway.

TOPOGRAPHY AND VEGETATION

The area is characterized by rugged terrain with steep-walled glaciated valleys. However, at higher elevations there is no evidence of glaciation. Local relief is about 1500 feet. The region is abundantly forested, particularly in the valley bottoms and lower slopes, with lodgepole pine (*Pinus contorta*) and ponderosa pine (*Pinus ponderosa*).



BRITISH COLUMBIA

KELOWNA

Peachland

Darke Lake
Prov. Park

Summerland

PENTICTON

NICKEL PLATE MINE

Apex Mtn.
Prov. Park

SKAHA LAKE

PRINCETON

SIMILCO MINE

Hedley

Copper Mtn.
Cu, Au

LUCKY BILL CLAIMS

Cu - GOLDQUEST MINERALS

Keremeos

Oliver

DANKOE MINE

Mo, Cu
Mo, Cu
MINNOVA INC.

OSOYOOS LAKE

MANNING

PROVINCIAL
PARK

INTL. PRISM RESOURCES
Ashnola Property 49°

Cu, Mo

U. S. A.

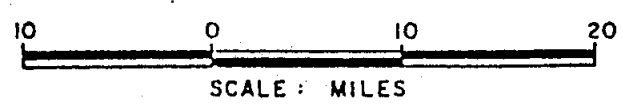
Oroville

121°

120°

• Mineral Prospects

PROPERTY LOCATION MAP



CLAIM STATUS

The Bill, Lucky and Amber claims presently grouped under the Group name Amber are all contiguous and consist of 42 units in total. All of the claims are located in the Osoyoos Mining Division and are illustrated on mineral titles reference map 92H/1W. Upon acceptance of this report for assessment purposes, the claims will have the new expiry date shown below.

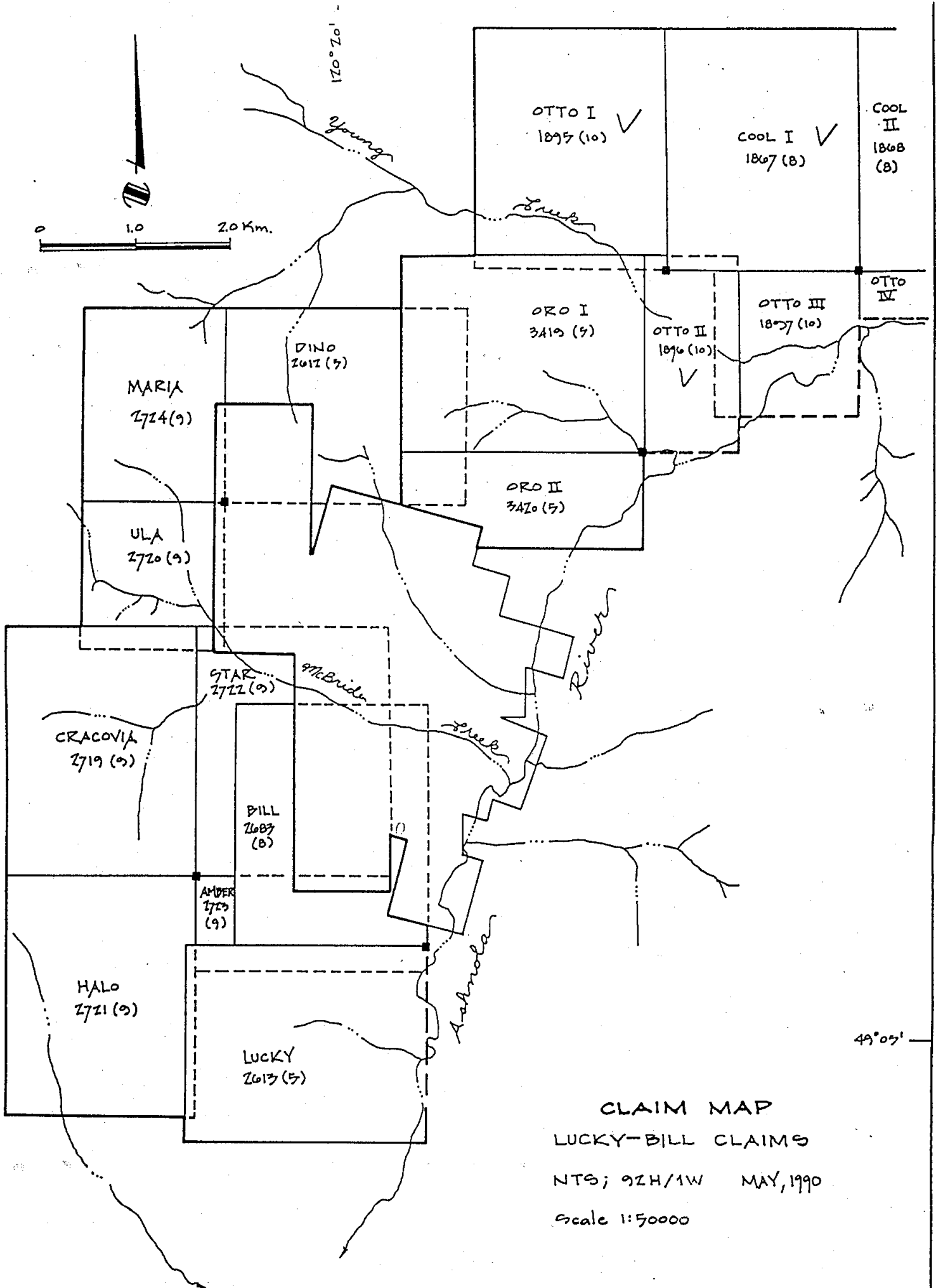
Claim Name	Record Number	No. of Units	Current Expiry Date	New Expiry Date
Amber	2723	2	Sept. 23, 1991	Sept. 23 1992
Bill	2683	20	Aug. 21, 1991	Aug. 21 1992
Lucky	2613	20	May 26, 1991	May 26, 1992

HISTORY AND PREVIOUS WORK

The Ashnola porphyry deposit located about 2 km to the north, received episodic exploration activity during the 1960s' and 1970's. At least eleven companies carried out programs that included geological mapping, stream sediment and soil surveys, geophysics, trenching and diamond drilling. During this time, emphasis was on base metal exploration, in particular for a Mo-Cu-W porphyry (Dr. A.J.Sinclair, P.Eng. July 20, 1978). One of the best intersections from the central zone in one of six holes drilled by Getty Mines Ltd. averaged 0.17% copper across 500 feet.

Since 1966, the area which is now covered by the Amber Group of claims has been part of a larger group of claims adjoining the Prism porphyry deposit to the north. Exploration on the claim group has been carried out by a total of four companies to date. Starting in 1972, with the discovery of the diatreme breccia #2 target by the Mineral Mountain Mining Co. Ltd., a program of Induced Polarization was undertaken immediately the same year. In 1976, the diatreme-breccia #1 was discovered and subsequently optioned to Santa Sarita (Mining?). After a minimal amount of work was performed, Ashnola Mines Ltd. picked up the option and carried out a program of soil sampling geological mapping, trenching and diamond drilling. A preoccupation with a base metal philosophy during these years gave enough encouragement to acquire the Amber Group of claims and other claims in the area.

The first reports of gold occurring in the area were from Minequest Exploration Associates where elevated gold, silver and arsenic values were found in feldspar porphyritic rhyolites in the northern area of the ORO claims, near Cool Creek. Minequest Exploration Associates were first attracted to the Cool Creek area after obtaining an encouraging heavy pan concentrate reported to be anomalous in gold and arsenic.



OTTO I
1895 (10) ✓

COOL I ✓
1867 (8)

COOL II
1868 (8)

ORO I
3419 (9)

OTTO II
1896 (10) ✓

OTTO III
1897 (10)

OTTO IV

MARIA
2724 (9)

DINO
2612 (5)

ORO II
3420 (9)

ULA
2720 (9)

STAR
2722 (9)

CRACOVIA
2719 (9)

BILL
2687 (8)

AMBER
2723 (9)

HALO
2721 (9)

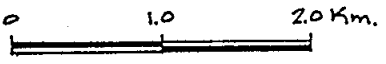
LUCKY
2613 (5)

CLAIM MAP

LUCKY-BILL CLAIMS

NTS; 92H/1W MAY, 1990

Scale 1:50000



120° 20'

49° 05'

REGIONAL GEOLOGY

The regional geology of the area is dominated by Upper Triassic - Lower Jurassic plutonic stocks of the coast Plutonic Complex. Late Cretaceous volcanic and sedimentary units of the Kingsvale Group occur in the region and are intruded by late Lightning Creek dykes. The Kingsvale Group contains a unique suite of volcanic rocks known as the Young Creek body and is unique to the Ashnola River area. The Amber claim group is located within the Young Creek Volcanic field just north of the underlying Jurassic Coast Range Intrusives. This contact was investigated within the Lucky claim and is likely the source of the large mercury value published in the governments regional geochemistry survey. A number of major northeast trending structures cross the region and are thought to control intrusive stock or dyke emplacement.

LOCAL GEOLOGY

The majority of the property is covered by volcanic rocks belonging to the Young Creek body. The bulk of the formation consists of lava and unsorted or poorly sorted crystal tuffs ranging in colour from brown, buff, purple-green, pale green and white. They all contain fragments of rocks and minerals but their presence is not always readily apparent. In general, the rocks are rhyolitic to dacitic and all conspicuously contain glassy quartz shards and occasionally feldspar 'ghosts'.

Most of the Amber Group of claims is underlain by this massive rhyolite porphyry which is for the most part flat lying. This approximate flat lying nature is most easily observed at the diatreme-breccia #2 location. It can also be observed in a distinct display of columnar jointing to the southeast of the diatreme-breccia #1 area.

The rocks at the diatreme-breccia #2 location appear to be a much different composition than that of the light coloured rhyolites of the McBride Creek area. A.S. Fraser describes the rocks in this area to be part of the Tertiary, Princeton Group and describes them as generally being a dark grey andesite or basalt. Fraser managed to find small fragments of a lighter coloured rhyolite within the 'vent' breccia which the author, nor Rio Algom, was able to find on the one day investigation of the area. If, in fact, these rocks are Tertiary and if the diatreme-breccia #2 does prove to be a diatreme instead of a formational breccia feature, the age of the diatreme would prove to be even younger than Tertiary. At this point, there is not enough evidence to prove or disprove what it may be. In the analysis of two samples by Teck, the chemical 'signature' was too different for any comparison with the diatreme-breccia #1. However, with reference to the soil survey by Murtec Resources Ltd. in 1987, the diatreme-breccia #2 is anomalous in copper, bismuth and lead. The debate goes on.

The high point of the entire claim group is located just west of the Amber LCP and is believed to be a volcanic neck. This neck consists of a dark grey to brown andesite porphyry with notable hornblende.

DRILL CORE SAMPLE RESULTS

In early May of 1990, a core splitter was packed up to the core shack on a Trapper Nelson packboard. At this point, the author spent time sorting the complete set of core boxes for DDH79-1 and DDH79-2, followed by the quartering of 102 feet of core from DDH79-1.

The entire group of samples were sent to Placer Dome in Kamloops where they were subsequently assayed by Eco-Tech laboratories Ltd. Extremely anomalous gold and appreciable amounts of copper were returned from all of the samples. (see Appendix 1).

CONCLUSIONS AND RECOMMENDATIONS

The diatreme-breccia #1 was found to be consistently highly anomalous in gold-courtesy of the analysis by Placer Dome of Kamloops. Further property visits yielded more valuable information, specifically the discovery of enriched bismuth and lead in association with the copper and gold values in the diatreme-breccia #1. It has been suggested the breccia contains tellurides. Therefore, the key to finding other interesting zones of copper/gold enrichment may have been found.

At this time, the most favorable exploration targets on the Amber Group of claims are:

1. The coincident VLF-EM, bismuth and lead anomalies along the vicinity of L20+00W. This anomaly is of interest since it appears to trend toward the area of the diatreme-breccia #1.
2. The area surrounding L39+00W, 41+00S should be investigated by virtue of anomalous bismuth an exceptionally high VLF-EM response and an extremely low magnetic response.
3. The diatreme-breccia #1 and #2 should be mapped and sampled in detail and through a careful statistical analysis of bismuth, lead, copper and gold their potential be recognized.
4. A detailed study should be carried out on the diatreme-breccia #1 giving recommendations on how it could possibly be viewed as a viable economic target.

REFERENCES

Church, C. and Renning, M. 1991; Geology Of The ORO Claims; Assessment Report # (TO BE DETERMINED), B.C. Ministry of Energy, Mines and Petroleum Resources.

Hadley, M.G. and Hodgson, G.D., 1984; Geological Mapping and Rock Sampling on the Cool Creek claims; Report to Minequest Exploration Associates Limited; Assessment Report # 13370 B.C. Ministry of Energy, Mines and Petroleum Resources.

McClintock, J.A., 1988; Report On The Lucky Bill Property, Osoyoos Mining Division, British Columbia For Murtech Resources Ltd; Assessment Report # B.C. Ministry of Energy Mines and Petroleum Resources.

Montgomery J.H., Cochrane D.R. and Sinclair A.J., 1974; *Discovery and Exploration of Ashnola Porphyry Copper Deposit, Near Keremeos, B.C.: A Geochemical Case History*

Rice, H.M.A., 1947; Geology and Mineral Deposits of the Princeton Map Area, British Columbia; Geological Survey of Canada, Mem. 243

Sinclair, A.J., 1978; Rock Geochemistry Orientation, Ashnola Porphyry Deposit, Osoyoos Mining Division For Prism Resources Ltd.

APPENDIX 1

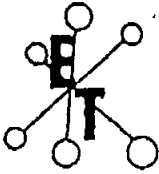
DRILL CORE ASSAY CERTIFICATES

LUCKY BILL PROPERTY

SAMPLES FROM DDH 79-1

- submitted by Michael Renning
of Amber Minerals Ltd.

<u>From (m)</u>	<u>To (m)</u>	<u>Sample No.</u>
4.6	7.6	80001
36.6	38.1	80002
38.1	39.6	80003
39.6	41.1	80004
41.1	42.7	80005
42.7	44.2	80006
44.2	45.7	80007
45.7	46.9	80008
46.1	48.1	80009
48.1	50.3	80010
62.5	64.0	80011
64.0	65.5	80012
65.5	67.1	80013
67.1	68.6	80014
68.6	70.1	80015
70.1	71.6	80016
71.6	73.2	80017
100.6	102.1	80018
102.1	103.6	80019
107.3	108.8	80020
108.8	111.3	80021



ECD-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4657

MAY 14, 1990

CERTIFICATE OF ANALYSIS ETK 90-104

Placer Dome Inc.
401, 1450 Pearson Place
KAMLOOPS, B.C.
VIS 1J9

DATE RECEIVED: MAY 8, 1990
PROJECT: GENERAL 1E
NUMBER SAMPLES: 21
TYPE SAMPLES: ROCK(CORE)

REJECTS: STORE
PULPS: STORE

NOTE: > = MORE THAN

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)
104 -	1 80001	285	7.5	584
104 -	2 80002	110	1.1	948
104 -	3 80003	210	.5	740
104 -	4 80004	325	.7	995
104 -	5 80005	305	3.1	>1000
104 -	6 80006	650	3.4	>1000
104 -	7 80007	410	4.9	>1000
104 -	8 80008	>1000	3.5	>1000
104 -	9 80009	65	.2	856
104 -	10 80010	320	4.3	>1000
104 -	11 80011	970	2.7	905
104 -	12 80012	150	2.7	>1000
104 -	13 80013	>1000	2.7	760
104 -	14 80014	>1000	2.6	645
104 -	15 80015	295	2.1	>1000
104 -	16 80016	>1000	9.1	500
104 -	17 80017	>1000	12.3	825
104 -	18 80018	>1000	2.0	>1000
104 -	19 80019	380	5.3	>1000
104 -	20 80020	30	.1	>1000
104 -	21 80021	140	3.8	>1000

Jutta Jealouse
ECD-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

F A X
SC90/PLACER1

GEOCHEMICAL/ASSAY CERTIFICATE

Kennco Canada File # 90-1909

1609 - 8 King St., Toronto ON M5C 1B5 Submitted by: JOHN THOMPSON

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W Au**	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm oz/t	
68806 B Dectron	5	607	14	66	1.8	4	1	42	1.76	33	5	ND	8	16	.2	71	66	1	.06	.017	20	5	.02	95	.01	10	.28	.01	.17	1	.003
68807 B "	3	403	164	45	2.6	7	1	29	3.70	30	5	ND	7	10	.2	185	562	1	.01	.005	19	12	.01	35	.01	9	.28	.01	.20	2	.004
68808 B 2nd Bx	1	166	8	49	.1	55	25	341	2.22	2	8	ND	1	114	.2	2	2	68	.57	.025	16	38	.25	111	.09	2	1.33	.08	.09	1	.001
68809 B "	1	41	2	63	.1	147	33	1606	3.42	13	5	ND	1	98	.2	2	2	52	.70	.068	9	136	.26	81	.07	2	1.24	.15	.10	1	.001
68810 B (Bottom drill pad)	1	50	11	124	.4	626	47	1279	10.59	12	6	ND	3	112	1.5	2	2	100	.67	.114	14	89	.39	229	.10	4	1.36	.08	.09	1	.001
68811 B } access road	37	33	4	5	.1	11	1	26	3.05	12	5	ND	1	37	.2	7	7	2	.02	.005	3	5	.02	67	.01	4	.21	.01	.14	1	.001
68812 B }	2	34	4	53	.1	4	1	47	1.04	18	5	ND	6	27	.2	5	2	2	.06	.012	19	4	.02	934	.01	4	.37	.01	.14	1	.001
68813 B pit Prism	142	2360	5	332	.3	14	8	1468	1.24	60	5	ND	4	15	4.3	12	2	8	.37	.053	12	9	.20	312	.02	4	.47	.02	.15	1	.001
68814 B "	3	66	2	17	.1	22	2	242	1.43	2	5	ND	4	8	.2	2	2	3	.14	.006	13	9	.03	27	.01	5	.19	.02	.05	1	.001
68815 B "	22	727	4	27	.3	10	5	206	1.45	2	5	ND	5	24	.2	2	2	22	1.16	.059	10	12	.67	268	.04	6	.86	.02	.17	1	.001
STANDARD C/AU-1	18	58	36	130	7.1	72	32	1019	4.07	42	18	7	36	52	18.5	16	17	56	.51	.086	37	58	.93	181	.09	35	1.95	.06	.14	11	.104

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Rock AU** BY FIRE ASSAY FROM 1 A.T.

DATE RECEIVED: JUN 21 1990 DATE REPORT MAILED: *June 27/90* SIGNED BY: *C. Leong* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

RECEIVED

JUL 2 - 1990

KENNECOTT EXPLORATION
 Salt Lake City, Utah

APPENDIX 2

**FIELD REPORT BY
A.I. BETMANIS OF
TECK EXPLORATIONS LIMITED
OCTOBER 9, 1990**

INTERNAL MEMORANDUM

COMPANY: Teck Explorations Limited
DATE: June 15, 1990
TO: W. Meyer
FROM: A.I. Betmanis

LOG NO: SEP 11 1991	RD. ✓
ACTION:	
FILE NO:	

SUBJECT: ASHNOLA RIVER DIATREME PROSPECT, KEREMEOS AREA, B.C.
(NTS 92H/1W) - AMBER MINERALS LTD. CHRIS BALDY AND
INTERNATIONAL PRISM EXPLORATION LTD.

The Amber Minerals Ltd. - Chris Baldy property is located west of Ashnola River and surrounds International Prism's McBride Creek copper-molybdenum prospect. The property was visited May 30 and 31, 1990 with Michael Renning, prospector, who staked the claims. Two diatremes occur within the claims and one occurs on Prism's ground but is partly covered by an alleged fraction included in Renning's staking. The controversial diatreme has dimensions of approximately 130 metres by 75 metres and carries low copper and gold values predominantly in the breccia matrix. One of the other diatremes examined has no economic mineralization.

Location and Access

The main part of the property is located between McBride and Duruisseau Creeks west of Ashnola River. Access to the property is by the Ashnola River Road 44 kilometres from its junction with Highway 3 to McBride Creek. A currently unusable road has been constructed to two of the diatremes from Prism's McBride Creek main access road. The east side of Ashnola River and a small area west of Ashnola River south of the mineralized diatreme is occupied by the Cathedral Provincial Park. Any mining activity on Prism's or Renning's properties would be directly exposed to the park. The area has no facilities for waste or tailings disposal.

Previous Work

The mineralized diatreme (Diatreme A) was examined by W.R. Bergey and J.M. Carr for Teck in 1977. Their sampling, mainly of the better mineralized edges of the diatreme, gave an arithmetic average of 0.006 oz/ton Au, 0.05 oz/ton Ag, and 0.10% Cu. The diatreme appeared to have a non-brecciated and poorly mineralized core.

In the late 1970's or early 1980's Ashnola Mines Ltd. constructed drill access roads to two of the diatremes (Diatremes A and B) and drilled two holes on Diatreme A. Diatreme B was not drilled. Drilling encountered very finely weakly disseminated chalcopyrite and

limonite stain in silicified diatreme. Recent assaying by Placer Dome of a section from the first hole averaged 646 ppb Au and 1565 ppm Cu (0.65 g/t Au, 0.16% Cu).

In late 1980's Michael Renning completed grid soil and VLF-EM surveys northwest of diatremes A and B but not quite covering the diatremes. VLF-EM indicated possible weak discontinuous conductors. Soil sampling gave only a possible weak zinc anomaly near diatreme A.

Geology

Regionally the area is shown as being underlain by Jurassic Coast Intrusions covered by Lower Cretaceous Kingsvale Group andesite and basalt porphyry, and overlain to the west by Miocene Princeton Group andesite and basalt. Diatreme A should be in the Kingsvale volcanics and Diatreme B should be close to the contact of the Coast Intrusions and Kingsvale volcanics. The Prison copper-moly porphyry is related to a quartz monzonite plug intruding volcanics.

The property examination indicates that most of the area from the south part of Prism's property and to at least Diatreme B is fairly flat lying dacite, rhyolite, and lesser andesite volcanics. They are weakly limonite stained locally, with staining restricted to fractures. No primary sulphides were seen.

Diatreme A is oval shaped with dimensions of 130 metres by 75 metres. It is on a steep slope overlooking Ashnola River. Fragments are dacite porphyry, rounded to angular, and vary in size from a few centimetres to one metre. The matrix is moderately silicified rock flour.

Diatreme B is largely talus covered. It contains andesitic fragments similar to Diatreme B with a limonite cemented rock flour matrix. The size was not determined but estimated at approximately 200 to 250 metres diameter. It lacks the silicification of Diatreme A.

Mineralization

Although variable weak limonite stain occurs on fractures of the country rock volcanics, no sulphides or copper stain were seen. No definite association between limonite stain in volcanics and the diatremes was found.

Diatreme A has limonite stain mainly in the matrix. Although limonite staining occurs in surrounding volcanics, there is a noticeable decrease of limonite outside the diatreme. The limonite is mainly jarositic with weak hematite. Copper mineralization in outcrop is malachite and chrysocolla coating and staining fragments and impregnating the matrix, and chrysocolla staining in secondary quartz in the matrix. Drill core shows pervasive jarositic limonite stain, minor very finely disseminated chalcopyrite, and scarce copper stain in the matrix and on the fragments. The fragments themselves are not mineralized. A four metre section of diatreme was sampled with samples of matrix and fragments taken separately.

	Au	Ag	Cu	Pb	As	Hg	Bi	Fe
Matrix	310	3.0	373	82	38	110	446	2.67
Fragments	45	1.0	72	40	3	40	83	0.74

Two other samples were taken from the diatreme, one a select sample of mainly matrix with secondary quartz, and the other of outcrop with a deposit of chrysocolla in the matrix and on fragments (see photo):

	Au	Ag	Cu	Pb	As	Hg	Bi	Fe
Select	2530	4.0	786	1030	34	100	2880	4.43
1.4m Chip	255	2.0	851	124	18	50	326	1.32

Copper and gold values occur mainly in the matrix material, and gold is likely associated with introduced silica. There is a strong gold-bismuth association. Normally bismuth rarely exceeds 10 ppm, but can be closely associated with gold in secondary enrichment.

Diatreme B primary mineralization is indicated only by strong hematitic limonite staining. Two grab samples taken analysed:

	Au	Ag	Cu	Pb	As	Hg	Bi	Fe
No. 369	<5	<0.5	202	4	1	10	10	2.54
No. 370	<5	<0.5	172	<2	1	10	8	2.96

Apparently the only significant mineralization in Diatreme B is pyrite.

Apart from the lack of silicification, copper and gold mineralization in Diatreme B, the two diatremes are quite distinct and have a very different trace element signature, including Bi, Ca, Co, K, Mg, Mn, Ni, P, Pb, Sr, Ti, V, Zn, As and Hg (see analysis). It is unlikely that economic grades of mineralization will be found in Diatreme B.

Silt Sampling

Three silt samples (ASH 1 to 3) were collected from main streams draining the Amber-Baldy claims. They do not indicate economic mineralization or the trace element assemblage of the mineralized diatreme.

Diatreme A Land Position

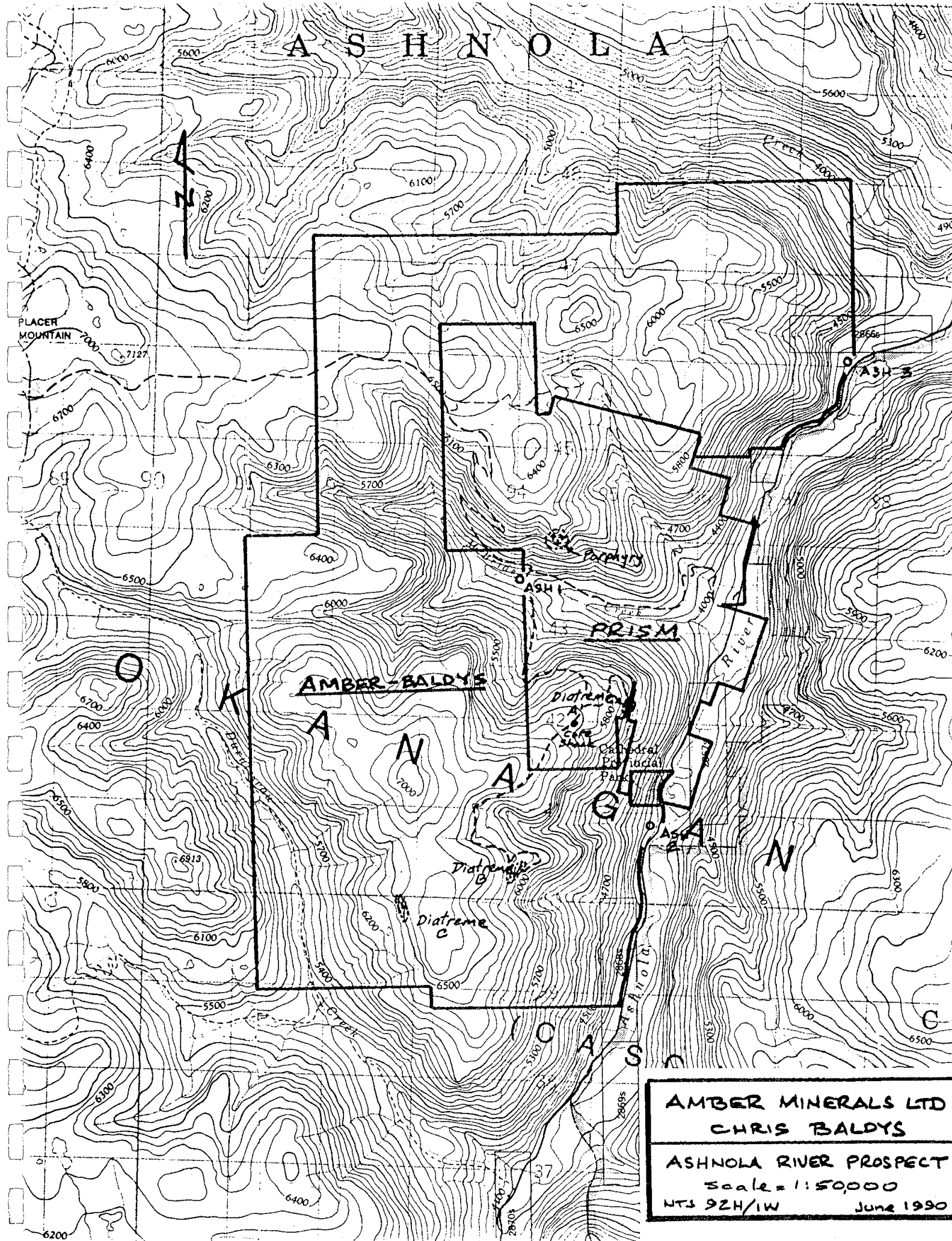
Renning believes that he has staked about one third of the diatreme, based on initial and final post tags and the wording for the direction of the location lines. Apparently the final post is missing from one claim and because of the wording on the initial post, may cause a technical fraction between two claims. Whether the fraction exists is debatable, and the diatreme may be entirely within Prism's ground.

Conclusions and Recommendations

Diatreme A has subeconomic but significant gold and copper mineralization in its matrix. However, it has limited tonnage potential, is poorly positioned relative to the Cathedral Provincial Park, and lies on the boundary of the Prism ground. Any exploration of it would have to be done jointly with Prism.

Diatreme B has no significant mineralization and none should be expected.

Due to the limited potential, uncertain land position, and location adjacent to a park boundary, the property cannot be recommended.



AMBER MINERALS LTD
CHRIS BALDYS
ASHNOLA RIVER PROSPECT
Scale = 1:50,000
NTS 92H/IW June 1990



Chemex Labs Ltd.

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

To: TECK EXPLORATIONS LIMITED
 11TH FLOOR
 1199 W. HASTINGS STREET
 VANCOUVER, B.C.
 V6E 2K5

Page Number : 1-A
 Total Pages : 1
 Invoice Date: 08-JUN-90
 Invoice No. : I-9016172
 P.O. Number :

Project : Mc BRIDE-21
 Comments: ATTN:W.MEYER CC:A.I. BETMANIS

CERTIFICATE OF ANALYSIS A9016172

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
365 } DIATREME #A 366 } 367 } 368 }	212 294	1520	4.0	5.34	670	< 0.5	2880	0.04	1.0	1	65	786	4.43	3.63	0.09
	212 294	310	3.0	5.90	810	< 0.5	446	0.03	0.5	2	66	373	2.67	3.82	0.10
	212 294	45	1.0	6.29	840	< 0.5	82	0.02	< 0.5	2	54	72	0.74	4.21	0.09
	212 294	255	2.0	6.02	780	< 0.5	326	0.02	< 0.5	3	64	851	1.32	3.83	0.09
369 } DIATREME #B 370 }	212 294	< 5	< 0.5	8.33	470	< 0.5	10	2.82	0.5	21	88	202	2.54	1.37	0.60
370 } #B	212 294	< 5	< 0.5	7.87	440	< 0.5	8	2.75	0.5	16	93	173	2.96	1.31	0.53
SAMPLE DESCRIPTION	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	As ppm	Hg ppb	Au FA oz/T
365 Grab	212 294	35	4	0.32	< 1	190	1030	36	0.04	< 1	< 10	50	34	100	0.042
366 Matrix	212 294	45	2	0.39	4	210	82	46	0.05	< 1	< 10	30	38	110	-----
367 Frags. } 4m	212 294	30	< 1	0.63	2	160	40	47	0.05	< 1	< 10	26	3	40	-----
368 I-4m	212 294	45	2	0.43	5	180	124	45	0.05	< 1	< 10	34	18	50	-----
369 } Grabs	212 294	230	1	2.38	45	790	4	606	0.44	93	< 10	74	1	10	-----
370 } Grabs	212 294	455	1	2.19	47	730	< 2	586	0.41	90	< 10	106	1	10	-----

ROCK SAMPLES
 Diatremes A and B
 - see map for locations
 - see text for descriptions

CERTIFICATION: B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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VANCOUVER, B.C.
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Page Number : 1-A
Total Pages : 1
Invoice Date: 08-JUN-90
Invoice No. : I-9016173
P.O. Number :

Project : Mc BRIDE-21
Comments: ATTN:W. MEYER CC: A.I. BETMANIS

CERTIFICATE OF ANALYSIS A9016173

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
ASH-1	203 205	< 5	< 0.5	7.21	1050	2.0	8	0.81	4.0	15	32	226	4.22	2.44	0.42
ASH-2	203 205	< 5	< 0.5	7.44	820	1.0	2	2.30	1.5	13	195	18	4.82	1.76	1.04
ASH-3	201 232	< 5	< 0.5	6.93	900	1.5	2	1.03	2.0	6	16	50	2.17	2.21	0.41

SAMPLE DESCRIPTION	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	As ppm	Hg ppb
ASH-1	203 205	2240	1	1.77	10	940	40	308	0.13	35	< 10	606	13	30
ASH-2	203 205	1145	< 1	2.20	11	740	8	341	0.34	140	< 10	86	2	40
ASH-3	201 232	1095	< 1	1.80	5	600	36	265	0.16	26	< 10	332	9	60

*SILT SAMPLES
- See map for locations*

CERTIFICATION :

B. Coughlin

To: Teck Corp.

REPORT No A27 - 188

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: May 25, 1977

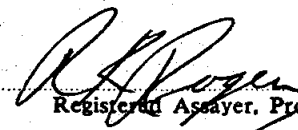
1199 West Hastings Street
Vancouver, B.C. V6E 2K5

Samples submitted: May 18, 1977
Results completed: May 25, 1977

CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu							TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
7652 SS-1	0.008		0.11	0.13							
7653 SS-2	0.004		0.03	0.07							
7654 SS-3	0.005		0.03	0.14							
7655 SS-4	0.004		0.04	0.02							
7656 SS-5	0.005		0.04	0.10							
7657 SS-6	0.010		0.07	0.12							


Registered Assayer, Province of British Columbia

APPENDIX 3

COST BREAKDOWN

COST BREAKDOWN

Personel

Michael Renning, Prospector 14 field days @ \$300.00/day	\$ 4,200.00
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Property Visits Providing Property Data By Major Companies

Betmanis, A.I., October 1991; Ashnola River Property, B.C., Teck Explorations Limited

2 field days @ \$400.00/day	800.00
Sample analysis 12 rock samples	200.00
Truck rental, 2 days @ \$50.00/day	100.00
Food, fuel and misc. expenses	100.00
Report writing and preparation	300.00

Estimated Value of Property Visit	1,500.00
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Pease, R., May 1990; Placer Dome Inc., 1 field day @ \$400.00/day	400.00
Truck rental, 1 day @ \$50.00/day	50.00
Food, fuel and misc. expenses	50.00
Diamond drill core analysis	450.00

Estimated Value Of Property Visit	950.00
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Other independent visits accompanied by the author were made by Kennecott, Rio Algom Exploration Inc. and Corona Corp.

Report Writing and Preparation

Michael Renning, Prospector 5 office days @ \$100.00/day	300.00
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Meals & Accommodation

10 nights at motel in Keremeos	480.00
Meals in Hope and Keremeos	110.00
Groceries purchased in Keremeos	275.00

Transportation

Station wagon 14 days @ \$35.00/day	490.00
Fuel	<u>220.00</u>

GRAND TOTAL	<u>\$ 8,525.00</u>
--------------------	---------------------------

**SUB-RECORDER
RECEIVED**

SEP 19 1991

M.R. # \$.....
VANCOUVER, B.C.

GEOLOGICAL FIELD TRIPS AND DRILL CORE

**ANALYSIS ON THE
LUCKY AND BILL CLAIMS**

Osoyoos Mining Division

NTS 92H/1W

**BY
Michael Renning, Prospector**

August 1991

693000E

694000

695000

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5439000 N

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5442000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,665

2868S

PARK

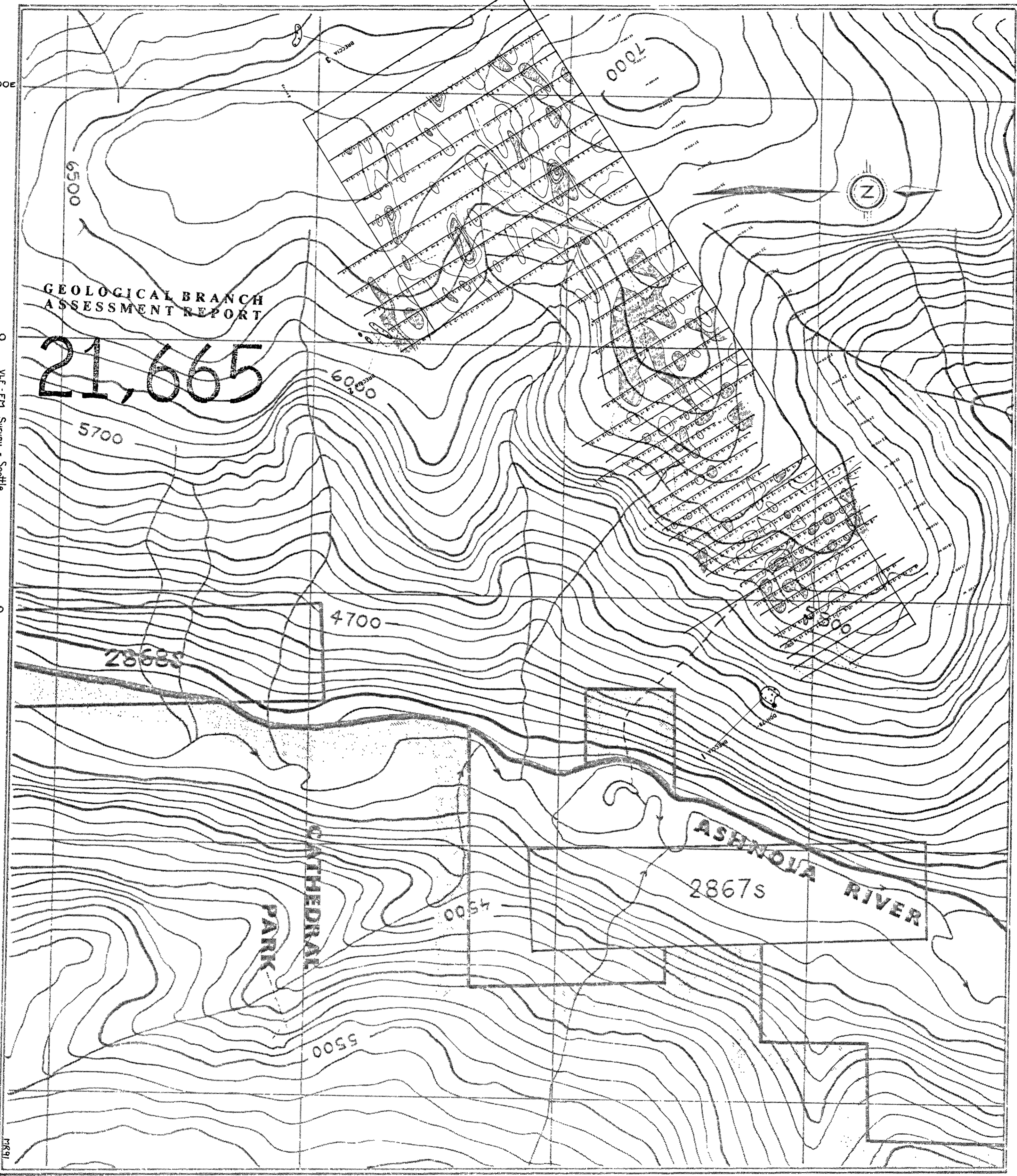
CATHEDRAL

ASHNOIA RIVER

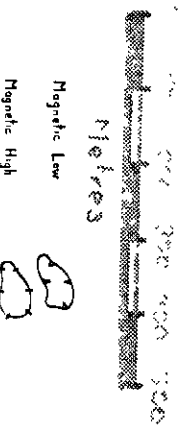
2867S



Scale: 1:10,000



1989



693000E

694000

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696000

697000

5439000N

5440000

5441000

5442000

1987 Magnetometer Survey
by Murtec Resources Ltd
shown on 1:10,000 scale topography

GEOPHYSICAL BRANCH
ASSESSMENT REPORT

2867s
2867s
2867s

