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ACTION:		
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Diamond Drilling Report
on the
LOON PROPERTY

Omineca Mining Division
NTS: 093F/12

Latitude: 53° 38' N
Longitude: 125° 59' W

SUB-RECORDER
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DEC 06 1994
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VANCOUVER, B.C.

December 1994

Owner/Operator: Hudson Bay Exploration
& Development Co. Ltd.
405-470 Granville St.
Vancouver, B.C.
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FILMED

Author: Leonard Gal P. Geo.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,637

TABLE OF CONTENTS

	Page
SUMMARY	1
INTRODUCTION	2
LOCATION, ACCESS AND PHYSIOGRAPHY	2
CLAIM INFORMATION	2
WORK PERFORMED	5
EXPLORATION HISTORY	5
REGIONAL GEOLOGY	5
PROPERTY GEOLOGY	6
DIAMOND DRILLING	6
DRILLING RESULTS	7
CONCLUSIONS AND RECOMMENDATIONS	10
REFERENCES	11

LIST OF FIGURES

FIGURE 1	LOCATION MAP	3
FIGURE 2	CLAIM MAP	4
FIGURE 3	LOCATION OF DIAMOND DRILL HOLES	9
FIGURE 4	DRILL HOLE SECTIONS	back pocket

APPENDICES

APPENDIX 1	STATEMENTS OF QUALIFICATIONS
APPENDIX 2	STATEMENT OF EXPENDITURES
APPENDIX 3	DRILL LOGS
APPENDIX 4	ANALYTICAL RESULTS

Summary

The Loon Property is located 70 km south of Burns Lake, B.C. in the Omineca Mining Division. the property consists of one 4-post claim and five 2-post claims for a total of twenty-three units. Work on the property dates to 1989 and includes mapping, soil sampling, trenching and geophysical surveys. The Loon property is underlain mainly by Eocene Ootsa Lake Group felsic flows and tuffs. Gold and silver mineralization are found within breccia zones characterized by dark grey chakchedony, silicification and fine grained sulphides.

In 1994 two BQW diamond drill holes were drilled to test IP chargeability and resistivity anomalies that were outlined by a geophysical survey carried out earlier in the year. Hole Loon-94-2 intersected some anomalous gold and silver values, up to 440ppb Au over 3.5m and 3.4ppm Ag over 3m (in a seperate interval). Drill hole Loon-94-3 failed to intersect anomalous gold or silver.

Introduction

This report is a description of work conducted for and by Hudson Bay Exploration and Development Co. Ltd. during the period October 6 to November 1, 1994. Britton Brothers Drilling of Smithers, B.C. was contracted to drill 2 BQW (approximately 40.9 mm) size holes on the property.

Location, Access and Physiography

The Loon claims are located approximately 70 km south of Burns Lake B.C. in the Omineca Mining Division. The claims are centered at a latitude of 53 degrees 38 minutes north and a longitude of 125 degrees 59 minutes west, covered by NTS map sheet 93 F/12. The claims lie in the Windfall Hills northeast of Uduk Lake, just east of the boundary of Tweedsmuir Provincial Park, and are bounded on the east side by a small lake locally known as Wolf lake. Access to the claims is via float plane from Burns Lake. The Chief Louis spur of the Ootsa Main logging road passes along the east side of Wolf Lake, approximately 2km from the property.

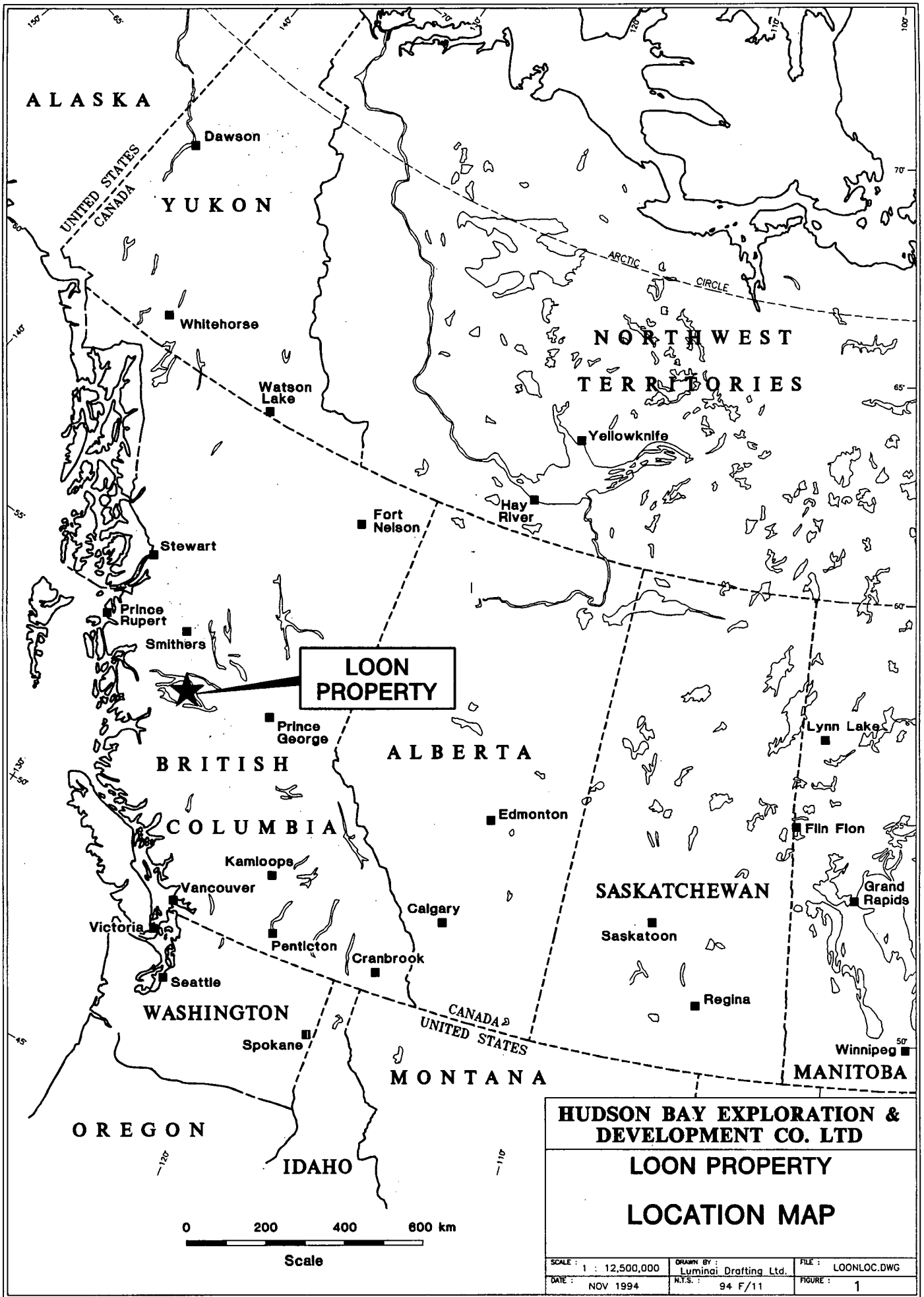
The Loon claim block features gentle topography, with elevation ranging from approximately 1189 to 1220 metres. Vegetation consists chiefly of pine flats with lesser spruce and fir, and open marshy meadows. Two lakes bound the property on east and west sides, and a small pond is situated in the southern portion of the claim block.

Claim Information

The Loon property comprises 1 4-post claim and 5 2-post claims, totalling 23 units, located in the Omineca Mining Division. The claims are owned by Hudson Bay Exploration and Development Co. Ltd. (HBED). Claim information is summarized below.

CLAIM NAME	UNITS	RECORD #	GOOD TO DATE *	OWNER
Loon 2	18	240032	July 19, 2004	HBED
Loon 3p	1	318551	June 23, 2004	HBED
Loon 4P	1	318552	June 23, 2004	HBED
Loon 5P	1	318553	June 23, 2004	HBED
Loon 6P	1	331041	Sept. 23, 2004	HBED
Loon 7P	1	331042	Sept. 23, 2004	HBED
	23			

* If assessment is accepted.



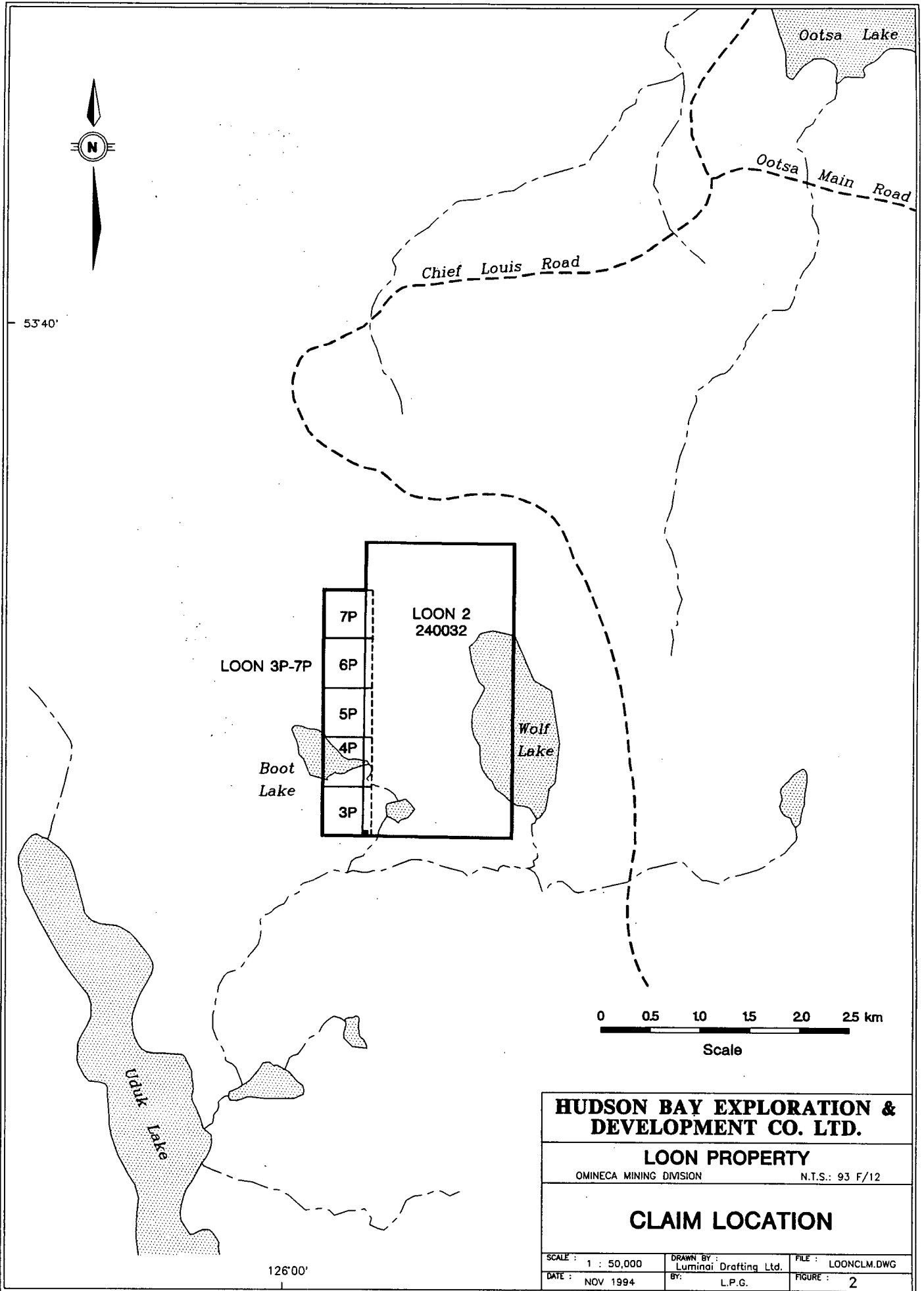
**LOON
PROPERTY**

**HUDSON BAY EXPLORATION &
DEVELOPMENT CO. LTD**

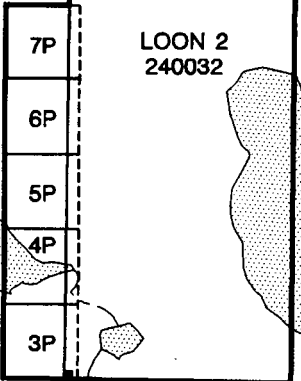
LOON PROPERTY

LOCATION MAP

SCALE : 1 : 12,500,000	DRAWN BY : Lumina Drafting Ltd.	FILE : LOONLOC.DWG
DATE : NOV 1994	R.T.S. : 94 F/11	FIGURE : 1



LOON 3P-7P



HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.		
LOON PROPERTY		
OMINECA MINING DIVISION		N.T.S.: 93 F/12
CLAIM LOCATION		
SCALE : 1 : 50,000	DRAWN BY : Luminai Drafting Ltd.	FILE : LOONCLM.DWG
DATE : NOV 1994	BY : L.P.G.	FIGURE : 2

Work Performed

During the period from October 6 to November 1 1994, Britton Brothers Drilling of Smithers B.C. completed diamond drilling on the Loon property on behalf of HBED. The results from 2 of these holes (Loon-94-02 Loon-94-03 are reported here. The drill core was logged, split in its entirety and sampled in maximum intervals of 3m. The core is stored on site, cross stacked with lids attached and covered with chicken mesh. The drill sites were reclaimed in accordance with government regulations.

Exploration History

In 1980 Amax Exploration staked claims in the Uduk Lake area just southeast of the Loon property. These claims, now known as the Duk claims are presently held by Pacific Comox resources under option to Pioneer Metals. In 1988, Mingold Resources exploration crews discovered mineralized epithermal vein and breccia float boulders south of Ootsa Lake. The boulder train was followed in the "up - ice" direction to similar rock in outcrop, and the ground staked as the Loon claims. Mingold Resources carried out resistivity surveys, soil sampling, mapping and trenching in 1989 and 1990. Mingold ceased operations in 1990, and the Loon 2 claim was transferred to HBED in June 1993. The Loon 3P, 4P and 5P claims were staked the same month, and the Loon 6P and 7P claims were staked in September 1994. In 1994 an IP survey was carried out over the property after good results on test lines were obtained.

Regional Geology

The Loon Property lies in the Nechako Plateau, in the south central part of the Intermontane Belt. Regional mapping by H. Tipper is published in GSC Memoir 324. The oldest rocks in the region are Mesozoic sediments and volcanics of an island arc and back arc affinity. These include the Upper Triassic Takla group and the Middle Jurassic Hazelton Group. The Mesozoic rocks are unconformably overlain throughout the region by Eocene Ootsa Lake Group flows, tuffs and domes of intermediate to felsic composition. The youngest rocks in the region are middle Tertiary Endako Group plateau basalts, which intrude and overly the Ootsa Lake Group. Regional mapping shows Takla Group and overlying Hazelton Group rocks are separated from Eocene Ootsa Lake Group rocks by a NW trending fault, just east of Wolf Lake. Northeast and north trending structural breaks are also present. A small Juro-Cretaceous intermediate intrusive has been mapped east of Uduk Lake and approximately 5 km south of the property.

Economically, the Ootsa Lake Group is an important host of epithermal gold - silver mineralization in the region, such as the Wolf Deposit approximately 55km to the SE.

Property Geology

Outcrops of rock on the property are very rare. Between Boot Lake and Wolf Lake a few north trending outcrops of silicified rhyolites stand a few feet above the surrounding terrain. Further outcrops occur on topographic highs south and southeast of Boot Lake. A small outcrop of Endako Group basalt occurs in the northeast part of the property, as well as on the small knoll north of Wolf Lake. Andesite, argillite and conglomerate of the Hazelton and Takla Groups occur south and east of Wolf Lake. A small plug of quartz monzonite, probably related to the Cretaceous - Tertiary Quanchus intrusives, outcrops 2km southeast of the south end of Wolf Lake.

Diamond Drilling

Britton Brothers Diamond Drilling of Smithers B.C. drilled 2 BQTW (approximately 40.9 mm diameter) holes, for a total depth of 934 feet (321.3 m). The drill was a JKS 300, and drill moves were performed by a Bell 206 Jet Ranger owned by Westland Helicopters of Burns Lake, B.C.

Recovery in the two holes was better than 95 percent. Hole Loon-94-02 was 497' (151m) and Loon-94-03 was 437' (133.2m). Overburden depth was 13m at Loon-94-02 and 6.1m at Loon-94-03.

Core was logged in a standard manner at the drill site. The entire core was split and sampled, at intervals of 3m or less. A skeletal core was assembled for both holes from representative samples of the lithologies encountered. The skeletal core samples are stored at the HBED warehouse in Surrey, B.C.

Drill core remaining on site was cross stacked at the edge of the drill pad sites, covered with lids and chicken mesh.

Split samples were shipped to Chemex Labs in North Vancouver B.C. for multi-element analysis by ICP, and AA for gold. A few selected samples from Loon-94-2 were screen assayed, a process that involves assaying of the entire -150 mesh fraction, and averaging the results in with the regular 30g ICP sample. This process is best for samples containing free gold larger than 150 mesh. Assay results are presented in Appendix 4 and discussed in the following section.

Drill hole coordinates (with respect to the established grid), elevations, dip and azimuth are summarized in the table below. An acid test to test the dip was taken at the bottom of each hole, and deviations from the declination were found to be minor.

<u>DDH</u>	<u>Coordinates</u>	<u>Elevation</u>	<u>Dip</u>	<u>Azimuth</u>	<u>Total Depth</u>
Loon- 94-2	53+00N 56+87E	1204m	-55	270	151.0m
Loon- 94-3	52+00N 52+00E	1212m	-55	270	133.2m

Drilling Results

Drill hole Loon-94-02 was drilled to test a N-S resistivity and chargeability anomaly, outlined by an I.P. survey carried out earlier in the season. It was also oriented to test for possible dip and strike extensions of mineralized breccia occurring at trenches located approximately 200m to the NW.

The hole cored mainly light grey, light green and pinkish rhyolite and felsic volcanoclastics of the Ootsa Lake Group. Dominant lithologies include banded rhyolite with cm - scale bands of alternating crystal rich (sanidine?) layers and glassy / tuffaceous layers. Subordinate to these were flow banded rhyolites with sparse crystals and thin mm scale laminations. Thin intervals of crystal ash tuff or tuffaceous rhyolite occur in the middle and near the base of the hole. An agglomerate bed with cm scale angular to subangular clasts occurs near the bottom of the hole.

Weak to moderate argillic alteration occurs throughout the hole, with a few thin horizons of extreme clay alteration that obliterates rock fabric and texture. Argillic alteration is also generally strong in the vicinity of fault or gouge zones. Moderate silicification occurs as well, often associated with breccia intervals where abundant chalcedony filled fractures randomly oriented and intersecting in a mesh texture form the matrix for angular rhyolite clasts, which generally remain clay altered. Slight hematite alteration was also observed (after pyrite?); slight to moderate propylitic alteration indicated by the marked green hue of the rhyolite in some intervals was also noted.

In addition to the light grey chalcedony fractures, thicker breccia veins also occur. Often the chalcedony is dark grey to black (some show a gradation of colours) with small angular silicified clasts and fine grained sulphides which often exhibit a banded texture. Sampling from surface trenches indicates that it is these dark grey or black chalcedony breccia veins that host gold mineralization. In Loon - 94-02, these breccia veins were not extensive, and generally 1-10cm thick.

Mineralization consists of sparse (1-2% by volume) disseminated tiny pyrite cubes, relatively coarse pyrite in

fractures and fine grained pyrite in chalcedony veins and fractures. Trace amounts of chalcopyrite and an as yet unidentified bluish red metallic mineral also occurs.

As stated above, the black chalcedony - fine sulphide breccia veinlets seem to hold the most promise. These were observed to cross cut light grey chalcedony breccia fractures as well as layer - parallel silicified horizons. In turn, these veinlets are post-dated by drusy clear to greyish white quartz (+ pyrite) fractures, and chlorite - pyrite - white clay fractues.

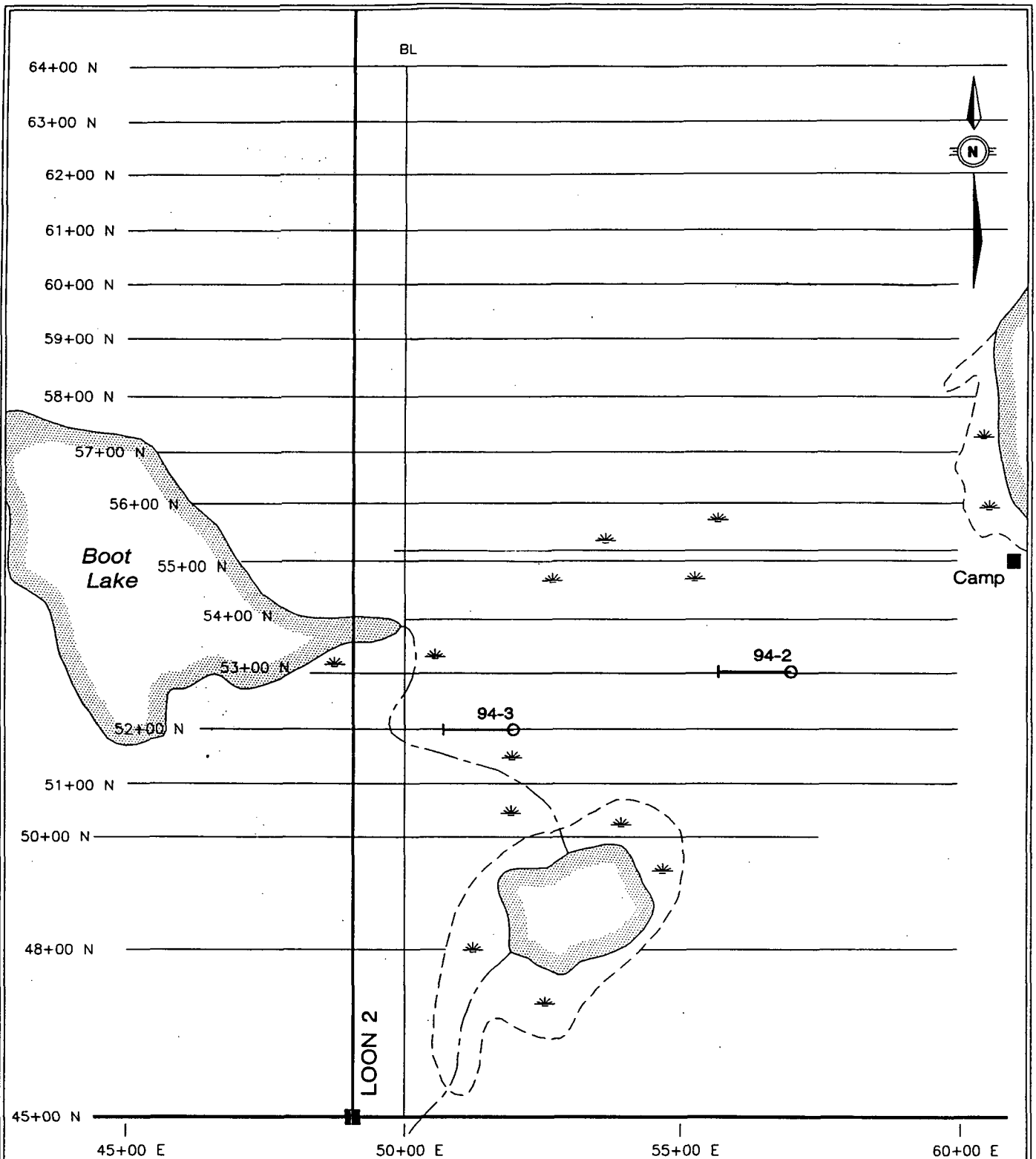
Anomalous gold values and slightly anomalous silver values were obtained over several intervals throughout the hole. The best assays were: 84.3ppb Au and 1.27ppm Ag from 48-56m, 440ppb Au and 1.6ppm Ag from 62-65.5m, 225ppb Au and 3.6ppm Ag from 89-92m, and 38.3ppb Au and 1.47ppm Ag from 145.5 to the bottom of the hole (151m).

Drill hole Loon-94-3 was set up to test a strong north south trending resistivity and accompanying chargeability anomaly. The hole cored Ootsa Lake Group rhyolites under 6m of overburden. The lithologies encountered were similar to the first hole although flow banded rhyolites predominated over the more coarsely banded rhyolite described above.

This hole was marked by very strong argillic alteration throughout the interval, evidenced by markedly soft rock and a slight greenish hue. Strong to extreme clay alteration occurred in intervals that exhibited shearing and many gouge horizons. Clay alteration was also strong in brecciated intervals that occurred at the very top, middle and near the base of the hole. In the lower half of the hole, the rhyolite textures are overprinted by abundant spherical silica nodules averaging 3mm in diameter. These are generally evenly distributed, but locally are concentrated along specific layers, probably due to original inhomogeneities in the rhyolite. Clay - chlorite and moderate silicification are also apparent at intervals.

Mineralization consists of 1-5% pyrite occurring as fairly coarse disseminations and in fractures. There is little fine grained pyrite and virtually no black chalcedony fracture veins, although there is considerable light grey chalcedony fractures.

The strong clay alteration, abundance of shear textures and stong resistivity suggest that the drill hole intersected a large scale fault structure. No anomalous gold or silver values were intersected in this hole.



LEGEND

94-1  1994 Drill hole

0 100 200 300 400 500 m

SCALE

HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

LOON PROPERTY

OMINECA MINING DIVISION

N.T.S.: 93 F/12

DRILL HOLE LOCATION

SCALE : 1 : 10,000	DRAWN BY : Lumina Drafting Ltd.	FILE : LOON.DWG
DATE : NOV 1994	REVISED :	FIGURE :

Conclusions & Recommendations

Two drill holes were drilled to test I.P. chargeability and resistivity anomalies on the Loon Property. Previous work indicated that high resistivities were associated with silicified zones, which locally hosted gold and silver bearing breccia veins.

Both drill holes intersected Ootsa Lake Group rhyolites with lesser tuffs and agglomerates, and displayed variable argillic and silica alteration. Light grey chalcedonic breccia was common in both holes, with locally developed dark grey chalcedony that often included fine grained and banded pyrite. Late stage fractures of pyrite + drusy quartz and chlorite - pyrite - clay post dated the breccia.

Drill hole Loon-94-2 had some intervals of anomalous gold and weakly anomalous silver, but no economically significant intercepts. Drill hole Loon-94-3 intersected no anomalous precious metal values. Strong clay alteration and development of shear fabrics suggest that the resistivity anomaly intersected was due to a structural break of some type.

Results from the drill program to date are being evaluated. Further trenching is suggested to test anomalous areas, as overburden is not too thick in most areas.

References

- Reynolds, P. (1993): Geochemical and Geophysical Report on the Loon Claims. Unreleased B.C. Assessment Report dated July 21, 1993
- Taylor, K.J. (1990): Geochemical and Geophysical Surveys, Mapping, Rock Sampling and Trenching on the Loon 1-3 Claims, Omineca Mining Division, B.C. B.C. Assessment Report # 20,123.
- Tipper, H. (1963): Nechako River Map Area (93 F), B.C., G.S.C. Memoir 324

APPENDIX 1

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Leonard Gal, of Kelowna, British Columbia hereby certify that:

- 1) I am a graduate of the University of British Columbia, with a B.Sc. in Geology (1986).
- 2) I am a graduate of the University of Calgary, with an M.Sc. in Metamorphic Petrology (1989)
- 3) I have practised my profession continuously since 1986.
- 4) I am currently employed as a Geologist for Hudson Bay Exploration And Development Co. Ltd.
- 5) The information in this report is based on published and unpublished reports on the property, and by work conducted by myself on the Loon Property for Hudson Bay Exploration.
- 6) I have no interest in the property or any other within a 10 km radius.
- 7) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.

Signed this day 7 of December, 1994.


Leonard Gal, P. Eng. & Geol.
Hudson Bay Exploration & Development



APPENDIX 2

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
LOON PROPERTY

OCTOBER 6 - NOVEMBER 1, 1994

<u>Diamond Drilling</u>	
2 holes (994 feet @ \$29.99/ft)	27084.93
<u>Personnel</u>	
Project Geologist @ \$250/day	2300.00
Cook @ \$155/day plus travel costs, accounting charges	902.13
Pad builders (2 men @ \$630/day)	2318.40
Core splitter @ \$185/day	1702.00
<u>Camp Costs</u>	
Food	836.02
Camp Rental	393.76
Camp Supplies	184.00
<u>Air support</u>	
Helicopter	5003.92
Beaver, Cessna 185	1225.97
<u>Analytical Charges</u>	
94 core samples (32 element ICP)	1400.25
<u>Miscellaneous</u>	
Core boxes	445.53
Geological supplies	73.60
Truck rental @ \$60/day	525.01
Mob / demob (Vancouver - Ft. St. James)	165.60
<u>Report Preparation</u>	
3 days @ \$250/day	750.00
Drafting, Secretarial	<u>250.00</u>
TOTAL EXPENDITURES	\$45561.12

APPENDIX 3

DRILL LOGS

STARTED: _____
 COMPLETED: _____
 CORE TYPES: _____

HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

D.D.H. No.: LOON 94-2
 LOGGED BY: _____
 DATE: _____
 ZONE: _____
 SHEET: 2 of 4

OVERBURDEN DEPTH: _____
 CASING DEPTH: _____
 FINAL DEPTH: _____

COLLAR COORDINATES: _____
 LAT: _____
 DEP: _____
 ELEV: _____

D.D.H. ORIENTATION:
 COLLAR: _____

AZMUTH: _____
 INCLINATION: _____

GRAPHIC LOG						DESCRIPTION	ALTERATION												MINERALIZATION											SAMPLING				ASSAY DATA			
GR SCALE	LITH	VEIN	FRAC	SHT FLT	TEXT		ROCK TYPE	S	C	P	OR	BO	CHL	EPH	GR	CHL	ANK	GY	SER	CP	BR	PY	MAG	HEM	LM	MLL	HAZ	NON	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	gwt AU	gwt AG	
40						40-43.2 m LT. GREEN SOFT RUPTOLITIC TUFF WITH BANDING PARALLEL SILICEOUS BANDS																							012195	53	56			45	0.4		
						43.2-43.5 m SOFT GREY ROCK WITH ABUNDANT CLAY FRACTURES.																								012196	56	59			<5	0.2	
45						43.5-46 m COARSELY BANDED GREENISH RUPTOLITE, PERHAPS 1% SULPHIDES, DISC AND IN FRAC (AS CORE MUSTLY). SOME HEMATITE ALIN.																								012197	59	62			<5	1.4	
						46-48 m MORE CRUMBLY AND MORE CLAY FRACTURES																								012198	62	65.5			440	1.6	
50						48-51.9 m SIMILAR ROCK WITH INCREASE IN SULPHIDES 2-3%, GREENISH COLOUR DECREASES.																								012199	65.5	67			<0.02	1.6	screen
						51.9-53.3 m SOFTER WHITISH ROCK, MANY CLAY-CHL-PY FRAC PARALLEL TO GRA.																								012200	67	69			<0.02	3.1	screen
55						53.3-60.1 m CRYSTAL RICH COARSELY BANDED TUFF ALTERNATING WITH GREENISH-PINKISH FRACTURELESS (FIM(?) - BANDING INCREASES BY 54 m. SULPHIDES REC 1%.																								012201	69	72			40	1.2	
60						60.1-65.7 m LIGHTER COLOURED, SOFTER, MORE CLAY ALIN. BUT BY 60.1 FRACTURES INCREASING CHALCEDONY WITH SULPHIDES, THOUGH NOT REALLY FINE GRAINED. SULPHIDES 2-4%.																								012202	72	75			20	1.0	
						65.7-66.9 m PRECIPITATED RUPTOLITE WITH LT. GRAY CHALCEDONY AND 3-4% CRUMBLY COPPER PY.																								012203	75	78			10	0.6	
65						66.9-68 m CRYSTAL RICH COARSE PINKISH TUFF. SAME ARECCLIA WITH SILICIFIED FRAGMENTS, BRUSHY LATE STAGE QUARTZ, SPECKLES OF CPY, PY AND A BLuish RED METALLIC @ 67.2 m.																								012204	78	81			<5	0.4	
70						68-75.5 m SIMILAR ROCK WITH MORE ARECCLIA, SULPHIDES INCREASE 3-6%, SOME FINE DARK CHALCEDONY FRACTURES CUT ACROSS LIGHT GREY CHALCEDONY BECCIA. ROCK LOOKS MOTTLED BUT IS QUITE SILICEOUS. SILICEOUS MARGINS ON FRAC. ALSO LOTS OF BRUSHY QZ FRAC WITH SULPHIDES AND CLAY IN CORES.																									012205	81	84			<5	3.4
						75.5-79.5 m SILICEOUS MOTTLED AND CRYSTAL RICH TUFF WITH WEAK BANDING, MANY BLEACHED ENVELOPES AROUND																								012206	84	86			<5	0.6	
75																													012207	86	89			<5	0.4		
																													012208	89	92			225	2.6		

HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

D.D.H. No.: Loon 94-3
 LOGGED BY: _____
 DATE: _____
 ZONE: _____
 SHEET: 2 of 4

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION										SAMPLING				ASSAY DATA							
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BD	CHL	EP	GAR	CA	AN	GP	SER	CP	BN	PY	MAG	HEM	LM	MA	NON	HAZ	ALU	SI	SO	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	gwt AU	gwt AG	
-45						44- Gouge - 2-5% py. - coarse.																						90	543192	41.6	44.6		<5	0.4			
						47.9-50.3-0 Rubble, clay gouge																							100	543193	44.6	47.9		<5	0.4		
						50.3-53.3 P. structure cream green col. vol. mottled type texture - H. gily silica.																								70	543194	47.9	50.3		<5	0.2	
						53.3-56.3 Same as above. Shall. pyrite. obs. clay frag. 1-2mm. size.																								100	543195	50.3	53.3		<5	<0.2	
						56.3-59.3 Breccia - frag supported clay soft. - gy-gn. colour.																								100	543196	53.3	56.3		<5	0.2	
-50						59.3-61.6 G. gy-gn. clay alt. vol. - contact with dk. gy-gn. vol. to 61.6 m. grad. type contact.																							100	543197	56.3	59.3		<5	0.2		
-55																													100	543198	59.3	61.6		<5	0.2		
																													100	543199	61.6	64.6		<5	0.2		
-60																													100	543200	64.6	67.6		<5	0.3		
						61.6 Change from cream-greyish gm. rhyolite to greenish black volc. to approx. 87.2 m. grad. not sharp contact, 1-3%.																							100	L929173	67.6	70.6		<5	<0.2		
-65						This new rock is likely altered rhyolite flows. - chlorite clay alt. occasional Mn bands. Spotted all with occasional chert. flows surround by chl. & clay alt. Very porous. leached appearance soft. Lamin. @ 40-45° to C. axis, some minor contortions.																							100	L929174	70.6	73.6		<5	<0.2		
																													100	L929175	73.6	76.6		<5	<0.2		
																													100	L929176	76.6	79.6		<5	<0.2		
-70																														012051	79.6	82.6		<5	0.4		
						64.6-67.6 Rhyolite frag. cement up in Gouge. - 3-5cm - remnant rhyolite?																								012052	82.6	85.6		<5	<0.2		
						71.8 R. starts to be softer clay alt. very alt mottled texture. green/grey. Flowband occ. i.e. gl.																								012053	85.6	88.6		<5	<0.2		
-75						77- Orbicular texture.																								012054	88.6	91.6		<5	<0.2		

HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

D.D.H. No.: Loon 94-3
 LOGGED BY: _____
 DATE: Oct. 19/99
 ZONE: _____
 SHEET: 3 of 4

GRAPHIC LOG							ROCK TYPE	DESCRIPTION	ALTERATION												MINERALIZATION							SAMPLING				ASSAY DATA		
(m) SCALE	LITH	VEIN	FRAC	SHR FLT	TEXT	OR			BO	CHL	EP	CR	CH	AN	OP	SER	CP	BN	PY	MAG	HEM	LM	HAU	AZU	SR	MLN	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	g/t AU	g/t AG
																	1-3 ↓										012055	91.6	94.6		<5	<2		
-85																										012056	94.6	97.6		<5	<2			
-90																										012057	97.6	100.6		<5	<2			
-95																										012058	100.6	103.6		<5	<2			
-100																										012059	103.6	106.6		<5	<2			
-105																										012060	106.6	109.6		<5	<2			
-110																										012061	109.6	112.6		<5	<2			
-115																										012062	112.6	115.6		<5	<2			
-120																										012063	115.6	118.6		<5	<2			
																										012064	118.6	121.6		<5	<2			
																										012065	121.6	124.6		<5	.4			
																										012066	124.6	127.6		<5	.2			
																										012067	127.6	130.6		<5	<2			
																										012068	130.6	133.6		<5	<2			

81.1-81.4. 40% recovery
 84: orbicular texture, wuggy silice orb
 84-118m: well more comb. py. clay
 fine, orbicular texture in place
 Gony c 84m - 45° to c-axis
 Mottled grey green rhyolite flows occasional
 Flow band at 20° to 45° to c-axis
 Mottled texture very prevalent c 81.4-86.8
 92.1: rubble for 0.2m
 93.5: Rhomboidal shape white frag flow band
 brown
 99.2: Hairline fracturing
 107.9: Flow band - wuggy in place
 108.2-112m: Qtz: pyg. veinlets primary c 10-15°
 to c-axis, some c 20° (late stage) col. veins
 pyg. wuggy veinlets in place - 8-10 veinlets in
 millim.
 110: Qtz veinlets, c 5cm, pyg. on walls
 Py. c high angle to core axis
 119.4-120.4: Breccia - H. columnar - green sub
 rounded to angular cream col. frag

APPENDIX 4

ANALYTICAL RESULTS



Chemex Labs Ltd.

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

To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

405 - 470 GRANVILLE ST.
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Page Number :2-A
Total Pages :2
Certificate Date: 31-OCT-94
Invoice No. :I9429414
P.O. Number :LOON 94-2
Account :T

Project : LOON
Comments: ATTN: LEONARD GAL CC: ED YARROW

CERTIFICATE OF ANALYSIS A9429414

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
012224	205 294	< 5	0.4	0.35	46	20	< 0.5	< 2	0.04	< 0.5	1	35	2	1.16	< 10	< 1	0.29	30	0.02	230
012225	205 294	< 5	0.2	0.79	32	40	< 0.5	< 2	0.04	< 0.5	1	37	4	1.46	< 10	< 1	0.43	30	0.04	325
012226	205 294	5	0.4	0.42	24	30	< 0.5	< 2	0.04	< 0.5	1	27	10	2.05	< 10	< 1	0.29	30	0.03	565
012227	205 294	< 5	0.2	0.63	22	40	< 0.5	< 2	0.05	< 0.5	1	54	4	1.15	< 10	< 1	0.46	30	0.01	210
012228	205 294	< 5	0.2	0.67	18	40	< 0.5	< 2	0.06	< 0.5	1	48	10	1.14	< 10	< 1	0.48	30	0.02	345
012229	205 294	50	2.4	0.29	178	20	< 0.5	< 2	0.03	< 0.5	2	37	8	2.99	< 10	< 1	0.24	30	0.01	355
012230	205 294	30	0.8	0.63	76	40	< 0.5	< 2	0.03	< 0.5	1	48	4	1.39	< 10	< 1	0.47	30	0.01	25
012231	205 294	25	1.2	0.24	84	20	< 0.5	< 2	0.02	< 0.5	1	33	3	1.34	< 10	< 1	0.24	30	< 0.01	10

CERTIFICATION: Hart Bichler



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Page Number :2-B
 Total Pages :2
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 Invoice No. :19429414
 P.O. Number :LOON 94-2
 Account :T

CERTIFICATE OF ANALYSIS

A9429414

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
012224	205	294	2 < 0.01		1	80	12	< 2	< 1	7 < 0.01	< 10	< 10	< 1	< 10		66
012225	205	294	2 < 0.01	< 1		100	16	< 2	1	9 < 0.01	< 10	< 10	< 1	< 10		90
012226	205	294	16 < 0.01	< 1		100	8	< 2	1	8 < 0.01	< 10	< 10	1	< 10		114
012227	205	294	2 < 0.01	< 1		90	14	< 2	1	7 < 0.01	< 10	< 10	< 1	< 10		44
012228	205	294	3 < 0.01	< 1		80	14	< 2	1	8 < 0.01	< 10	< 10	< 1	< 10		114
012229	205	294	16 < 0.01	< 1		90	24	2	1	5 < 0.01	< 10	< 10	1	< 10		168
012230	205	294	7 < 0.01	< 1		80	16	< 2	1	8 < 0.01	< 10	< 10	1	< 10		118
012231	205	294	11 < 0.01	< 1		80	12	< 2	< 1	6 < 0.01	< 10	< 10	< 1	< 10		60

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CERTIFICATE OF ANALYSIS A9429414

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
			FA+AA																		
012181	205	294	< 5	0.2	0.55	44	50	< 0.5	< 2	0.04	< 0.5	1	58	8	0.73	< 10	< 1	0.41	30	0.02	15
012182	205	294	< 5	0.4	0.58	40	40	< 0.5	< 2	0.03	0.5	2	65	10	1.03	< 10	< 1	0.46	30	0.01	20
012183	205	294	25	0.2	0.51	30	40	< 0.5	< 2	0.03	0.5	2	53	4	0.76	< 10	< 1	0.45	30	0.01	15
012184	205	294	< 5	< 0.2	0.58	12	60	< 0.5	< 2	0.03	< 0.5	2	39	3	0.35	< 10	< 1	0.47	30	0.01	15
012185	205	294	5	0.4	0.55	76	40	< 0.5	< 2	0.04	< 0.5	2	49	3	1.09	< 10	< 1	0.45	30	0.01	20
012186	205	294	< 5	0.2	0.65	44	60	< 0.5	< 2	0.03	< 0.5	2	45	2	0.80	< 10	< 1	0.51	30	0.01	20
012187	205	294	< 5	0.4	0.62	56	60	< 0.5	< 2	0.03	< 0.5	1	43	2	0.73	< 10	< 1	0.50	30	0.01	15
012188	205	294	< 5	0.2	0.66	50	30	< 0.5	< 2	0.05	< 0.5	1	54	3	0.93	< 10	< 1	0.51	30	0.01	20
012189	205	294	< 5	0.2	0.58	56	30	< 0.5	< 2	0.04	< 0.5	1	54	3	0.80	< 10	< 1	0.49	30	0.01	15
012190	205	294	< 5	0.4	0.58	52	40	< 0.5	< 2	0.04	< 0.5	3	77	3	0.73	< 10	< 1	0.44	30	0.01	15
012191	205	294	< 5	0.4	0.56	86	40	< 0.5	< 2	0.04	< 0.5	1	50	4	1.07	< 10	< 1	0.40	30	0.02	20
012192	205	294	30	0.4	0.58	80	30	< 0.5	< 2	0.04	0.5	1	53	3	1.57	< 10	< 1	0.42	20	0.02	20
012193	205	294	125	2.0	0.44	130	30	< 0.5	< 2	0.03	< 0.5	1	63	4	2.30	< 10	< 1	0.32	30	0.01	15
012195	205	294	45	0.4	0.70	48	70	< 0.5	< 2	0.06	< 0.5	1	44	2	1.50	< 10	< 1	0.39	30	0.03	605
012196	205	294	< 5	0.2	0.62	38	80	< 0.5	< 2	0.08	< 0.5	1	42	3	1.78	< 10	< 1	0.44	30	0.03	765
012197	205	294	< 5	1.4	0.52	58	50	< 0.5	< 2	0.03	< 0.5	2	54	12	0.92	< 10	< 1	0.39	30	0.02	35
012198	205	294	440	1.6	0.46	86	50	< 0.5	< 2	0.04	< 0.5	2	65	6	1.50	< 10	< 1	0.33	30	0.02	15
012201	205	294	40	1.2	0.39	62	40	< 0.5	< 2	0.02	< 0.5	< 1	64	10	0.84	< 10	< 1	0.34	30	0.01	10
012202	205	294	20	1.0	0.38	70	40	< 0.5	< 2	0.02	< 0.5	1	59	8	1.19	< 10	< 1	0.33	30	0.01	10
012203	205	294	10	0.6	0.44	50	30	< 0.5	< 2	0.03	< 0.5	1	74	3	0.89	< 10	< 1	0.35	20	0.01	10
012204	205	294	< 5	0.4	0.46	44	40	< 0.5	< 2	0.02	< 0.5	< 1	83	4	0.68	< 10	< 1	0.38	20	0.01	10
012205	205	294	< 5	3.4	0.48	36	30	< 0.5	< 2	0.02	< 0.5	< 1	64	3	0.74	< 10	< 1	0.37	30	0.01	10
012206	205	294	< 5	0.6	0.57	54	30	< 0.5	< 2	0.03	< 0.5	1	76	3	1.42	< 10	< 1	0.42	30	0.02	15
012207	205	294	< 5	0.4	0.42	36	40	< 0.5	< 2	0.02	< 0.5	1	61	6	0.66	< 10	< 1	0.35	30	0.01	10
012208	205	294	225	3.6	0.28	86	80	< 0.5	< 2	0.01	< 0.5	1	62	30	1.10	< 10	< 1	0.32	20	< 0.01	5
012209	205	294	30	3.0	0.31	106	60	< 0.5	< 2	0.01	< 0.5	1	54	30	1.00	< 10	< 1	0.35	30	< 0.01	5
012210	205	294	10	1.0	0.27	70	50	< 0.5	< 2	0.01	< 0.5	< 1	52	8	0.67	< 10	< 1	0.32	30	< 0.01	5
012211	205	294	< 5	0.4	0.46	84	30	< 0.5	< 2	0.02	< 0.5	1	78	4	1.38	< 10	< 1	0.35	20	0.01	15
012212	205	294	< 5	0.2	0.49	24	40	< 0.5	< 2	0.03	< 0.5	1	73	5	0.66	< 10	< 1	0.37	30	0.01	20
012213	205	294	< 5	0.2	0.84	24	60	< 0.5	< 2	0.04	< 0.5	< 1	102	5	0.79	< 10	< 1	0.58	30	0.02	30
012214	205	294	< 5	1.2	0.64	32	80	< 0.5	< 2	0.04	< 0.5	1	79	20	0.80	< 10	< 1	0.52	30	0.02	40
012215	205	294	< 5	0.2	0.38	34	30	< 0.5	< 2	0.05	< 0.5	< 1	41	2	0.88	< 10	< 1	0.33	30	0.01	225
012216	205	294	< 5	0.8	0.58	24	60	< 0.5	< 2	0.03	< 0.5	1	69	9	0.98	< 10	< 1	0.44	20	0.02	265
012217	205	294	5	1.4	0.52	44	40	< 0.5	< 2	0.04	< 0.5	1	61	10	1.72	< 10	< 1	0.46	30	0.02	585
012218	205	294	70	0.2	0.74	10	50	< 0.5	< 2	0.06	< 0.5	1	45	3	1.69	< 10	< 1	0.55	30	0.03	790
012219	205	294	< 5	< 0.2	0.68	8	30	< 0.5	< 2	0.06	< 0.5	1	85	4	2.18	< 10	< 1	0.48	30	0.03	1030
012220	205	294	< 5	0.4	0.78	26	40	< 0.5	< 2	0.06	< 0.5	1	48	2	0.75	< 10	< 1	0.57	30	0.02	170
012221	205	294	35	0.2	0.48	56	30	< 0.5	< 2	0.05	< 0.5	< 1	28	14	1.50	< 10	< 1	0.40	40	0.02	350
012222	205	294	< 5	< 0.2	0.54	36	30	< 0.5	< 2	0.05	< 0.5	< 1	41	3	0.78	< 10	< 1	0.43	30	0.02	105
012223	205	294	< 5	< 0.2	0.40	18	30	< 0.5	< 2	0.05	< 0.5	1	33	12	0.82	< 10	< 1	0.35	30	0.02	215

CERTIFICATION:

Heidi Buchler



Chemex Labs Ltd.

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To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

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CERTIFICATE OF ANALYSIS A9429414

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
012181	205	294	5 < 0.01	< 1	50	14	< 2	1	3 < 0.01	< 10	< 10	< 10	< 1	< 10	64	
012182	205	294	6 < 0.01	1	40	16	< 2	1	3 < 0.01	< 10	< 10	< 10	< 1	< 10	134	
012183	205	294	11 < 0.01	1	50	12	< 2	1	4 < 0.01	< 10	< 10	< 10	< 1	< 10	102	
012184	205	294	< 1 < 0.01	< 1	60	10	< 2	1	8 < 0.01	< 10	< 10	< 10	< 1	< 10	64	
012185	205	294	4 < 0.01	< 1	40	12	< 2	1	5 < 0.01	< 10	< 10	< 10	< 1	< 10	54	
012186	205	294	2 < 0.01	< 1	50	10	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	68	
012187	205	294	2 < 0.01	1	60	16	< 2	1	12 < 0.01	< 10	< 10	< 10	< 1	< 10	44	
012188	205	294	1 < 0.01	< 1	50	14	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	88	
012189	205	294	1 < 0.01	< 1	40	14	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	98	
012190	205	294	5 < 0.01	2	40	16	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	102	
012191	205	294	4 < 0.01	< 1	40	16	< 2	1	8 < 0.01	< 10	< 10	< 10	< 1	< 10	72	
012192	205	294	7 < 0.01	< 1	40	18	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	520	
012193	205	294	11 < 0.01	1	40	18	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	102	
012195	205	294	13 < 0.01	< 1	80	16	< 2	2	8 < 0.01	< 10	< 10	< 10	1	< 10	94	
012196	205	294	6 < 0.01	< 1	80	16	< 2	2	8 < 0.01	< 10	< 10	< 10	1	< 10	128	
012197	205	294	22 < 0.01	1	60	18	< 2	1	10 < 0.01	< 10	< 10	< 10	1	< 10	118	
012198	205	294	13 < 0.01	1	70	18	< 2	1	10 < 0.01	< 10	< 10	< 10	< 1	< 10	196	
012201	205	294	18 < 0.01	1	50	14	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	42	
012202	205	294	17 < 0.01	< 1	40	12	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	104	
012203	205	294	10 < 0.01	1	40	14	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	134	
012204	205	294	7 < 0.01	1	30	20	< 2	1	7 < 0.01	< 10	< 10	< 10	1	< 10	46	
012205	205	294	171 < 0.01	1	40	18	< 2	1	6 < 0.01	< 10	< 10	< 10	2	< 10	102	
012206	205	294	8 < 0.01	< 1	40	18	< 2	1	6 < 0.01	< 10	< 10	< 10	2	< 10	106	
012207	205	294	10 < 0.01	< 1	40	14	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	48	
012208	205	294	77 < 0.01	< 1	80	14	< 2	1	13 < 0.01	< 10	< 10	< 10	1	< 10	54	
012209	205	294	90 < 0.01	< 1	40	12	< 2	1	7 < 0.01	< 10	< 10	< 10	1	< 10	50	
012210	205	294	37 < 0.01	1	40	10	< 2	< 1	8 < 0.01	< 10	< 10	< 10	1	< 10	24	
012211	205	294	9 < 0.01	< 1	30	12	< 2	< 1	6 < 0.01	< 10	< 10	< 10	3	< 10	364	
012212	205	294	4 < 0.01	1	50	14	< 2	1	10 < 0.01	< 10	< 10	< 10	1	< 10	28	
012213	205	294	8 < 0.01	1	80	16	< 2	1	11 < 0.01	< 10	< 10	< 10	1	< 10	38	
012214	205	294	37 < 0.01	< 1	140	20	< 2	1	12 < 0.01	< 10	< 10	< 10	1	< 10	48	
012215	205	294	8 < 0.01	< 1	140	22	< 2	1	10 < 0.01	< 10	< 10	< 10	< 1	< 10	54	
012216	205	294	32 < 0.01	< 1	100	56	< 2	1	9 < 0.01	< 10	< 10	< 10	2	< 10	90	
012217	205	294	64 < 0.01	< 1	130	18	< 2	1	10 < 0.01	< 10	< 10	< 10	4	< 10	80	
012218	205	294	12 < 0.01	1	110	14	< 2	1	7 < 0.01	< 10	< 10	< 10	1	< 10	48	
012219	205	294	1 < 0.01	1	80	12	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	68	
012220	205	294	22 < 0.01	< 1	130	10	< 2	1	7 < 0.01	< 10	< 10	< 10	1	< 10	20	
012221	205	294	7 < 0.01	< 1	110	16	< 2	1	12 < 0.01	< 10	< 10	< 10	< 1	< 10	32	
012222	205	294	1 < 0.01	< 1	90	22	< 2	1	9 < 0.01	< 10	< 10	< 10	< 1	< 10	64	
012223	205	294	1 < 0.01	< 1	80	18	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	30	

CERTIFICATION:

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CERTIFICATE OF ANALYSIS

A9429416

SAMPLE	PREP CODE		Au tot	Au -	Au +	Wt. -	Wt. +	Ag ppm	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
	oz/T	oz/T	mg	grams	grams	Aqua	R	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
012194	207	294	0.002	0.002	< 0.002	300	6.15	1.4	0.45	178	20	< 0.5	< 2	0.04	< 0.5	1	33	13	2.80	< 10	< 1
012199	207	294	< 0.002	< 0.002	< 0.002	259	2.53	1.6	0.38	86	20	< 0.5	2	0.03	< 0.5	< 1	45	8	2.19	< 10	< 1
012200	207	294	< 0.002	< 0.002	< 0.002	296	2.51	3.1	0.31	80	30	< 0.5	< 2	0.02	< 0.5	1	38	37	1.07	< 10	< 1

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SAMPLE	PREP CODE		K	La	Mg	Mn	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	ppm	ppm
012194	207	294	0.26	10	0.02	135	34 < 0.01	4	50	20	2	1	6 < 0.01	< 10	< 10	< 1	< 10			92
012199	207	294	0.26	20	0.01	35	17 < 0.01	6	30	16	2	1	5 < 0.01	< 10	< 10	1	< 10			86
012800	207	294	0.26	20	0.01	25	82 < 0.01	4	40	16	2	1	6 < 0.01	< 10	< 10	< 1	< 10			68

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 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

405 - 470 GRANVILLE ST.
 VANCOUVER, BC
 V6C 1V5

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 15-NOV-94
 Invoice No. : 19430335
 P.O. Number : LOON-94-03
 Account : T

Project : LOON
 Comments : ATTN: LEONARD GAL CC: ED YARROW

CERTIFICATE OF ANALYSIS A9430335

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
	FA+AA																				
012051 70	205	294	< 5	0.4	0.35	8	20	1.0	< 2	0.08	< 0.5	< 1	50	5	0.55	< 10	< 1	0.29	20	0.02	220
012052	205	294	< 5	< 0.2	0.54	14	50	0.5	< 2	0.06	< 0.5	1	95	2	0.42	< 10	< 1	0.42	20	0.01	35
012053	205	294	< 5	< 0.2	0.54	30	40	0.5	< 2	0.05	< 0.5	< 1	91	3	0.62	< 10	< 1	0.42	20	< 0.01	35
012054	205	294	< 5	< 0.2	0.51	46	50	0.5	< 2	0.05	< 0.5	< 1	74	3	0.75	< 10	< 1	0.43	20	< 0.01	20
012055	205	294	< 5	< 0.2	0.31	12	20	0.5	< 2	0.04	< 0.5	< 1	42	1	0.48	< 10	< 1	0.32	20	< 0.01	90
012056	205	294	< 5	< 0.2	0.56	24	50	0.5	< 2	0.06	< 0.5	< 1	79	2	1.40	< 10	< 1	0.43	20	0.01	405
012057	205	294	< 5	< 0.2	0.61	4	60	0.5	< 2	0.06	< 0.5	< 1	50	2	1.53	< 10	< 1	0.41	20	0.02	900
012058	205	294	< 5	< 0.2	0.48	2	30	0.5	< 2	0.06	< 0.5	< 1	50	2	1.26	< 10	< 1	0.40	20	0.01	1140
012059	205	294	< 5	< 0.2	0.61	6	50	0.5	< 2	0.06	< 0.5	< 1	51	2	1.30	< 10	< 1	0.46	20	0.01	645
012060	205	294	< 5	< 0.2	0.46	2	30	0.5	< 2	0.07	< 0.5	< 1	37	2	1.27	< 10	< 1	0.40	20	0.02	635
012061	205	294	< 5	< 0.2	0.51	12	40	0.5	< 2	0.06	< 0.5	1	49	2	1.16	< 10	< 1	0.43	20	0.01	505
012062	205	294	< 5	0.2	0.28	4	30	0.5	< 2	0.08	< 0.5	2	33	2	3.21	< 10	< 1	0.19	20	0.03	2270
012063	205	294	< 5	< 0.2	0.50	2	40	0.5	< 2	0.06	< 0.5	< 1	52	2	1.07	< 10	< 1	0.32	20	0.01	560
012064	205	294	< 5	< 0.2	0.50	4	200	0.5	< 2	0.07	< 0.5	< 1	99	3	1.70	< 10	< 1	0.28	20	0.02	800
012065	205	294	< 5	0.4	0.30	6	80	0.5	< 2	0.08	< 0.5	< 1	42	6	2.38	< 10	< 1	0.28	30	0.04	1800
012066	205	294	< 5	0.2	0.48	< 2	60	1.0	< 2	0.11	< 0.5	< 1	37	4	1.74	< 10	< 1	0.30	20	0.04	1265
012067	205	294	< 5	< 0.2	0.34	26	40	0.5	< 2	0.14	0.5	1	30	4	3.71	< 10	< 1	0.17	20	0.08	2560
012068	205	294	< 5	< 0.2	0.61	< 2	50	0.5	< 2	0.26	0.5	1	22	1	4.53	< 10	< 1	0.13	20	0.26	3030
L929173	205	294	< 5	< 0.2	0.61	12	80	1.5	< 2	0.08	< 0.5	< 1	56	3	0.70	< 10	< 1	0.44	30	0.03	45
L929174	205	294	< 5	< 0.2	0.39	10	40	1.0	< 2	0.10	< 0.5	< 1	35	2	2.56	< 10	< 1	0.28	30	0.03	2040
L929175	205	294	< 5	< 0.2	0.57	8	50	1.0	< 2	0.10	< 0.5	< 1	69	3	2.12	< 10	< 1	0.38	30	0.04	1900
L929176	205	294	< 5	< 0.2	0.31	8	20	1.0	< 2	0.09	< 0.5	< 1	46	2	0.99	< 10	< 1	0.29	30	0.02	685

CERTIFICATION: *Haut-Bichler*



Chemex Labs Ltd.

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

To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

405 - 470 GRANVILLE ST.
 VANCOUVER, BC
 V6C 1V5

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 15-NOV-94
 Invoice No. : I9430335
 P.O. Number : LOON-94-03
 Account : T

Project : LOON
 Comments : ATTN: LEONARD GAL CC: ED YARROW

CERTIFICATE OF ANALYSIS A9430335

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
012051	205 294	2 < 0.01	< 1	200	18	< 2	< 1	9 < 0.01	< 10	< 10	< 1	< 10	48		
012052	205 294	2 < 0.01	1	180	16	< 2	< 1	15 < 0.01	< 10	< 10	< 1	< 10	54		
012053	205 294	2 < 0.01	1	170	14	< 2	1	9 < 0.01	< 10	< 10	< 1	< 10	52		
012054	205 294	< 1 < 0.01	< 1	170	10	< 2	< 1	10 < 0.01	< 10	< 10	< 1	< 10	70		
012055	205 294	< 1 < 0.01	< 1	150	12	< 2	< 1	6 < 0.01	< 10	< 10	< 1	< 10	50		
012056	205 294	1 < 0.01	1	170	14	< 2	1	8 < 0.01	< 10	< 10	< 1	< 10	62		
012057	205 294	< 1 < 0.01	< 1	180	14	< 2	1	9 < 0.01	< 10	< 10	< 1	< 10	80		
012058	205 294	< 1 < 0.01	< 1	160	12	< 2	1	7 < 0.01	< 10	< 10	< 1	< 10	70		
012059	205 294	1 < 0.01	< 1	180	14	< 2	1	9 < 0.01	< 10	< 10	< 1	< 10	116		
012060	205 294	1 < 0.01	< 1	180	12	2	1	8 < 0.01	< 10	< 10	< 1	< 10	94		
012061	205 294	2 < 0.01	1	180	16	< 2	1	10 < 0.01	< 10	< 10	< 1	< 10	96		
012062	205 294	1 < 0.01	< 1	150	8	< 2	3	6 < 0.01	< 10	< 10	< 1	< 10	92		
012063	205 294	< 1 < 0.01	< 1	180	12	< 2	1	7 < 0.01	< 10	< 10	< 1	< 10	86		
012064	205 294	< 1 < 0.01	1	170	10	< 2	1	10 < 0.01	< 10	< 10	< 1	< 10	58		
012065	205 294	2 < 0.01	1	170	10	< 2	< 1	13 < 0.01	< 10	< 10	< 1	< 10	48		
012066	205 294	< 1 < 0.01	< 1	160	24	< 2	< 1	19 < 0.01	< 10	< 10	< 1	< 10	50		
012067	205 294	3 < 0.01	< 1	130	20	< 2	1	20 < 0.01	< 10	< 10	< 1	< 10	96		
012068	205 294	3 < 0.01	1	130	10	< 2	2	27 < 0.01	< 10	< 10	< 1	< 10	126		
L929173	205 294	3 < 0.01	< 1	200	18	< 2	< 1	11 < 0.01	< 10	< 10	< 1	< 10	58		
L929174	205 294	1 < 0.01	< 1	190	14	< 2	< 1	10 < 0.01	< 10	< 10	< 1	< 10	98		
L929175	205 294	1 < 0.01	< 1	190	14	< 2	< 1	10 < 0.01	< 10	< 10	< 1	< 10	68		
L929176	205 294	2 < 0.01	< 1	200	20	< 2	< 1	10 < 0.01	< 10	< 10	< 1	< 10	46		

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.
 405 - 470 GRANVILLE ST.
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 V6C 1V5

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 02-NOV-94
 Invoice No. : 19429674
 P.O. Number : LOON 94-03
 Account : T

Project : LOON
 Comments : CC: ED YARROW

CERTIFICATE OF ANALYSIS A9429674

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
	FA+AA	Aqua R																			
543180	205	294	10	0.3	0.74	130	30	< 0.5	< 2	0.01	< 0.5	1	99	10	1.44	< 10	< 1	0.34	20	0.01	20
543181	205	294	< 5	0.2	0.60	64	40	< 0.5	< 2	0.01	< 0.5	< 1	144	6	1.07	< 10	< 1	0.38	20	0.01	20
543182	205	294	< 5	0.6	0.73	56	30	< 0.5	< 2	0.01	< 0.5	< 1	101	5	1.07	< 10	< 1	0.47	20	0.01	25
543183	205	294	< 5	0.2	0.52	16	40	< 0.5	< 2	0.06	< 0.5	< 1	91	3	1.16	< 10	< 1	0.44	40	0.01	355
543184	205	294	< 5	< 0.2	0.68	18	30	< 0.5	< 2	0.05	< 0.5	< 1	77	2	0.82	< 10	< 1	0.48	30	0.02	205
543185	205	294	< 5	< 0.2	0.75	14	30	< 0.5	< 2	0.02	< 0.5	< 1	72	2	0.31	< 10	< 1	0.50	30	0.01	15
543186	205	294	< 5	0.2	0.67	32	50	< 0.5	< 2	0.01	< 0.5	< 1	61	2	0.58	< 10	< 1	0.44	30	< 0.01	15
543187	205	294	< 5	0.2	0.59	56	50	< 0.5	< 2	0.01	< 0.5	< 1	62	6	0.82	< 10	< 1	0.44	30	0.01	20
543188	205	294	< 5	0.2	0.64	56	70	< 0.5	< 2	0.02	< 0.5	< 1	84	6	0.72	< 10	< 1	0.50	30	0.01	20
543189	205	294	< 5	0.2	0.68	38	40	< 0.5	< 2	0.03	< 0.5	< 1	96	6	0.87	< 10	< 1	0.49	30	0.01	30
543190	205	294	< 5	0.3	0.64	42	50	< 0.5	< 2	0.03	< 0.5	< 1	114	5	0.59	< 10	< 1	0.43	30	0.01	25
543191	205	294	< 5	0.5	0.57	88	30	< 0.5	< 2	0.03	< 0.5	1	95	4	0.95	< 10	< 1	0.42	30	0.01	25
543192	205	294	< 5	0.4	0.68	42	50	< 0.5	< 2	0.03	< 0.5	1	124	5	0.73	< 10	< 1	0.50	30	0.01	30
543193	205	294	< 5	0.4	0.60	32	60	< 0.5	< 2	0.03	< 0.5	< 1	78	4	0.46	< 10	< 1	0.47	30	0.01	20
543194	205	294	< 5	0.2	0.66	36	50	< 0.5	< 2	0.03	< 0.5	< 1	94	4	0.58	< 10	< 1	0.48	30	0.01	25
543195	205	294	< 5	< 0.2	0.69	24	60	< 0.5	< 2	0.03	< 0.5	< 1	77	3	0.36	< 10	< 1	0.52	30	0.01	25
543196	205	294	< 5	0.2	0.55	26	40	< 0.5	< 2	0.02	< 0.5	< 1	86	4	0.66	< 10	< 1	0.45	30	0.01	20
543197	205	294	< 5	0.2	0.58	36	40	< 0.5	< 2	0.02	< 0.5	< 1	82	2	0.66	< 10	< 1	0.45	30	0.01	30
543198	205	294	< 5	0.2	0.62	34	50	< 0.5	< 2	0.02	< 0.5	< 1	82	2	0.50	< 10	< 1	0.48	30	0.01	30
543199	205	294	< 5	0.2	0.77	22	750	< 0.5	< 2	0.05	< 0.5	< 1	70	2	0.46	< 10	< 1	0.57	30	0.02	35
543200	205	294	< 5	0.3	1.12	22	140	< 0.5	< 2	0.06	< 0.5	< 1	76	2	0.63	< 10	< 1	0.69	30	0.03	50

CERTIFICATION: Hart Bichler



Chemex Labs Ltd.

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

To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

405 - 470 GRANVILLE ST.
VANCOUVER, BC
V6C 1V5

Project : LOON
Comments: CC: ED YARROW

Page Number : 1-B
Total Pages : 1
Certificate Date: 02-NOV-94
Invoice No. : I9429674
P.O. Number : LOON 94-03
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CERTIFICATE OF ANALYSIS

A9429674

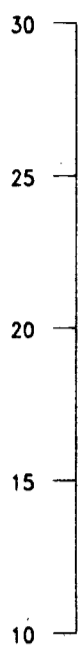
SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
543180	205	294	7 < 0.01		3	60	14	2	1	6 < 0.01	< 10	< 10	< 10	1	< 10	104
543181	205	294	4 < 0.01		2	40	12	< 2	1	4 < 0.01	< 10	< 10	< 10	1	< 10	72
543182	205	294	4 < 0.01		1	60	14	< 2	1	2 < 0.01	< 10	< 10	< 10	1	< 10	60
543183	205	294	3 < 0.01		1	160	16	< 2	1	10 < 0.01	< 10	< 10	< 10	< 1	< 10	64
543184	205	294	1 < 0.01		1	130	8	< 2	1	9 < 0.01	< 10	< 10	< 10	< 1	< 10	52
543185	205	294	1 < 0.01		1	60	16	< 2	1	5 < 0.01	< 10	< 10	< 10	< 1	< 10	82
543186	205	294	2 < 0.01		1	50	12	< 2	1	5 < 0.01	< 10	< 10	< 10	< 1	< 10	58
543187	205	294	4 < 0.01		2	40	12	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	78
543188	205	294	7 < 0.01		2	40	12	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	66
543189	205	294	5 < 0.01		3	60	14	< 2	1	6 < 0.01	< 10	< 10	< 10	< 1	< 10	78
543190	205	294	8 < 0.01		3	50	14	< 2	1	7 < 0.01	< 10	< 10	< 10	< 1	< 10	90
543191	205	294	4 < 0.01		3	50	14	2	1	4 < 0.01	< 10	< 10	< 10	< 1	< 10	76
543192	205	294	5 < 0.01		2	60	16	< 2	1	8 < 0.01	< 10	< 10	< 10	< 1	< 10	54
543193	205	294	3 < 0.01		1	60	14	< 2	1	11 < 0.01	< 10	< 10	< 10	< 1	< 10	54
543194	205	294	2 < 0.01		1	40	14	< 2	1	4 < 0.01	< 10	< 10	< 10	< 1	< 10	42
543195	205	294	2 < 0.01		1	50	14	< 2	1	8 < 0.01	< 10	< 10	< 10	< 1	< 10	34
543196	205	294	4 < 0.01		2	40	14	< 2	1	5 < 0.01	< 10	< 10	< 10	< 1	< 10	50
543197	205	294	7 < 0.01		2	40	14	< 2	1	4 < 0.01	< 10	< 10	< 10	< 1	< 10	46
543198	205	294	4 < 0.01		2	40	14	< 2	1	4 < 0.01	< 10	< 10	< 10	< 1	< 10	50
543199	205	294	6 < 0.01		1	140	14	< 2	< 1	8 < 0.01	< 10	< 10	< 10	< 1	< 10	72
543200	205	294	3 < 0.01		1	150	16	< 2	1	9 < 0.01	< 10	< 10	< 10	< 1	< 10	54

CERTIFICATION:

Hart Buchler

CHARGEABILITY PROFILE

CHARGEABILITY
(millivolts/volt)

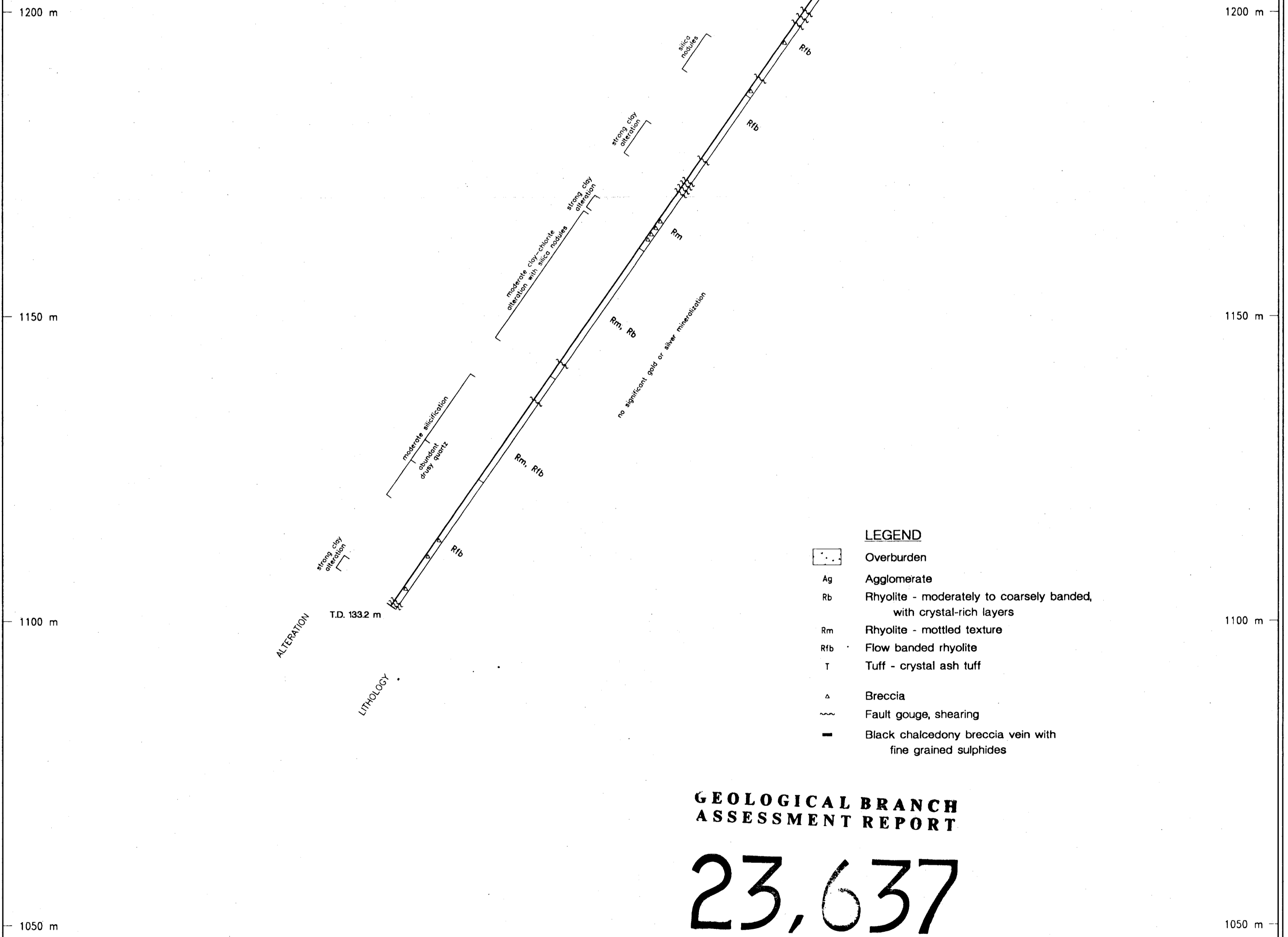


51+00E 51+25E 51+50E 51+75E 52+00E 52+25E 52+50E

WEST

(LINE OF SECTION 52+00N - FACING NORTH)

EAST



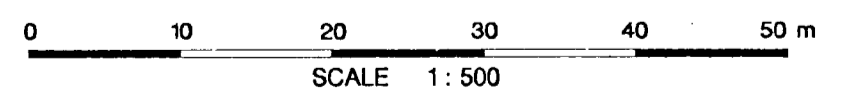
LOON 94-3 Collar Grid coordinates 52+00N, 52+00E
Collar Elev. Approx. 1212 m

LEGEND

- Overburden
- Agglomerate
- Rb Rhyolite - moderately to coarsely banded, with crystal-rich layers
- Rm Rhyolite - mottled texture
- Rfb Flow banded rhyolite
- T Tuff - crystal ash tuff
- Breccia
- Fault gouge, shearing
- Black chalcodony breccia vein with fine grained sulphides

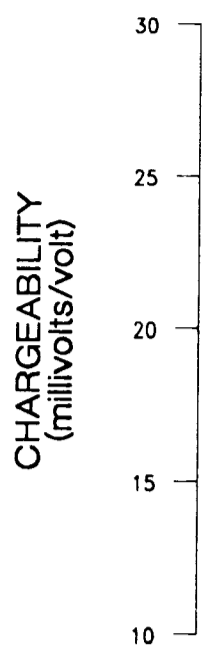
GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,637



HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.		
LOON PROPERTY		
OMINECA MINING DIVISION, B.C.		N.T.S.: 93 F/12
DRILL SECTION		
DDH LOON 94-3		
SCALE : 1 : 500	DRAWN BY : Luminal Drafting Ltd.	FILE : LO9403.DWG
DATE : NOV 1994	BY : L.P.G.	FIGURE : 4b

CHARGEABILITY PROFILE



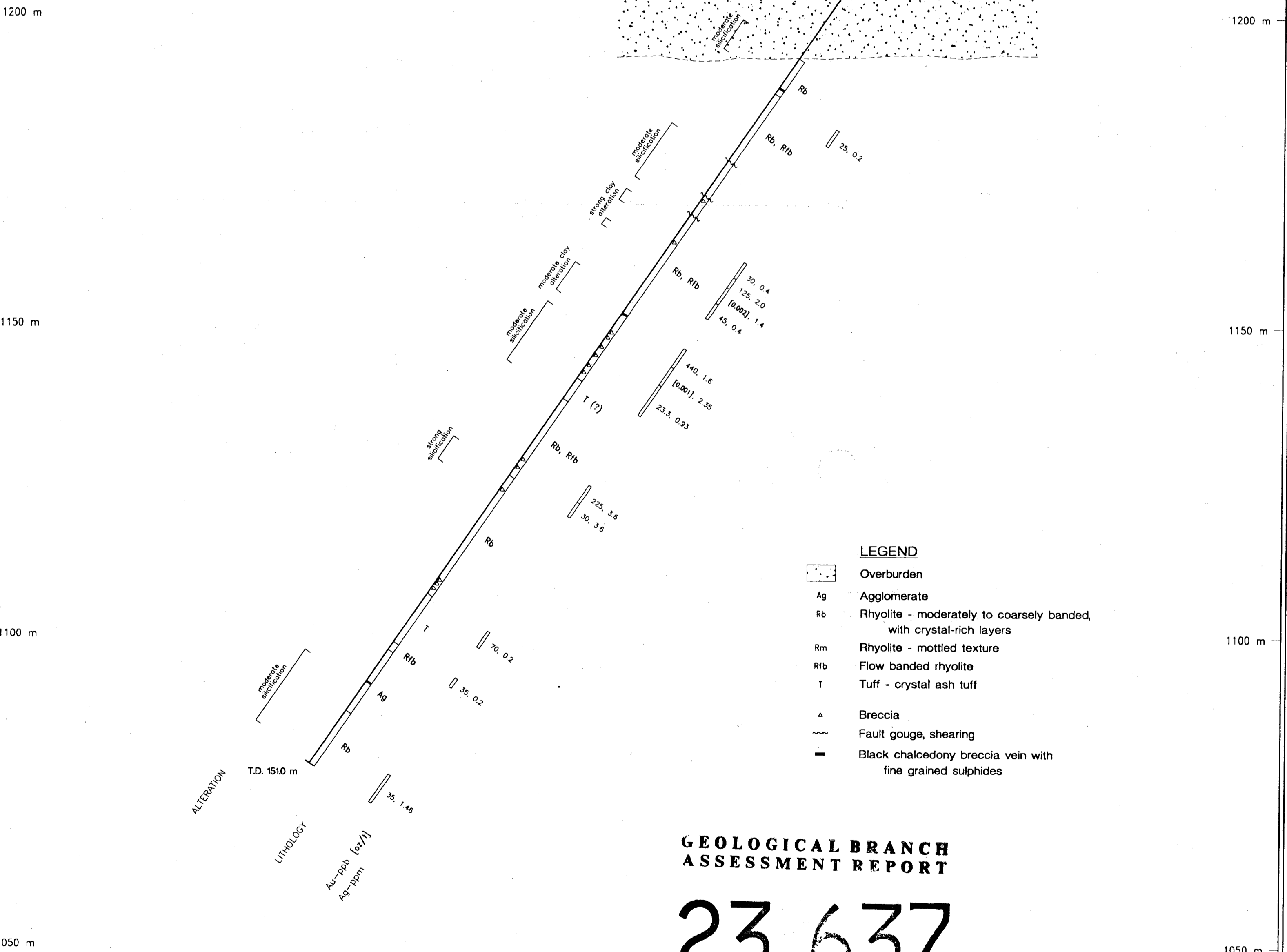
56+00E 56+25E 56+50E 56+75E 57+00E 57+25E

WEST

(LINE OF SECTION 53+00N - FACING NORTH)

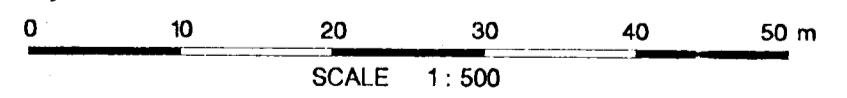
EAST

LOON 94-2 Collar Grid coordinates 53+00N, 56+87E
Collar Elev. Approx. 1204 m



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,637



HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.		
LOON PROPERTY		
OMINECA MINING DIVISION, B.C.		N.T.S.: 93 F/12
DRILL SECTION DDH LOON 94-2		
SCALE: 1: 500	DRAWN BY: Luminal Drafting Ltd.	FILE: LO9402.DWG
DATE: NOV 1994	BY: L.P.G.	FIGURE: 4a