GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

LOON CLAIMS

OMINECA MINING DIVISION
BRITISH COLUMBIA

N.T.S. 93F/12
LATITUDE: 53° 38' N
LONGITUDE: 125° 59' W

For

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD.
405-470 Granville Street
Vancouver, B.C.
V6C 1V5

by

P. REYNOLDS, B.Sc., P.Geo.
JULY 21, 1993.

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1. SUMMARY

1.1 During the 1993 field season, Hudson Bay Exploration and Development Company Ltd., carried out a soil geochemistry and resistivity survey on the Loon claims. Minor trench re-sampling was also completed. A total of 260 soil samples and 13 rock samples were collected and subsequently analyzed at Pioneer Laboratories in New Westminster, B.C.

1.2 Three areas with anomalous arsenic in soil values partially coincident with resistivity highs were defined in the central part of the claim block.

1.3 Re-interpretation of the geophysical results by a qualified geophysicist is necessary to ensure the resistivity anomalies indeed reflect changes in bedrock and are not merely a function of overburden depth. Furthermore the geophysicist should recommend a more suitable geophysical survey to help define areas that may contain gold-silver mineralization within quartz veins and breccia zones.

2. INTRODUCTION

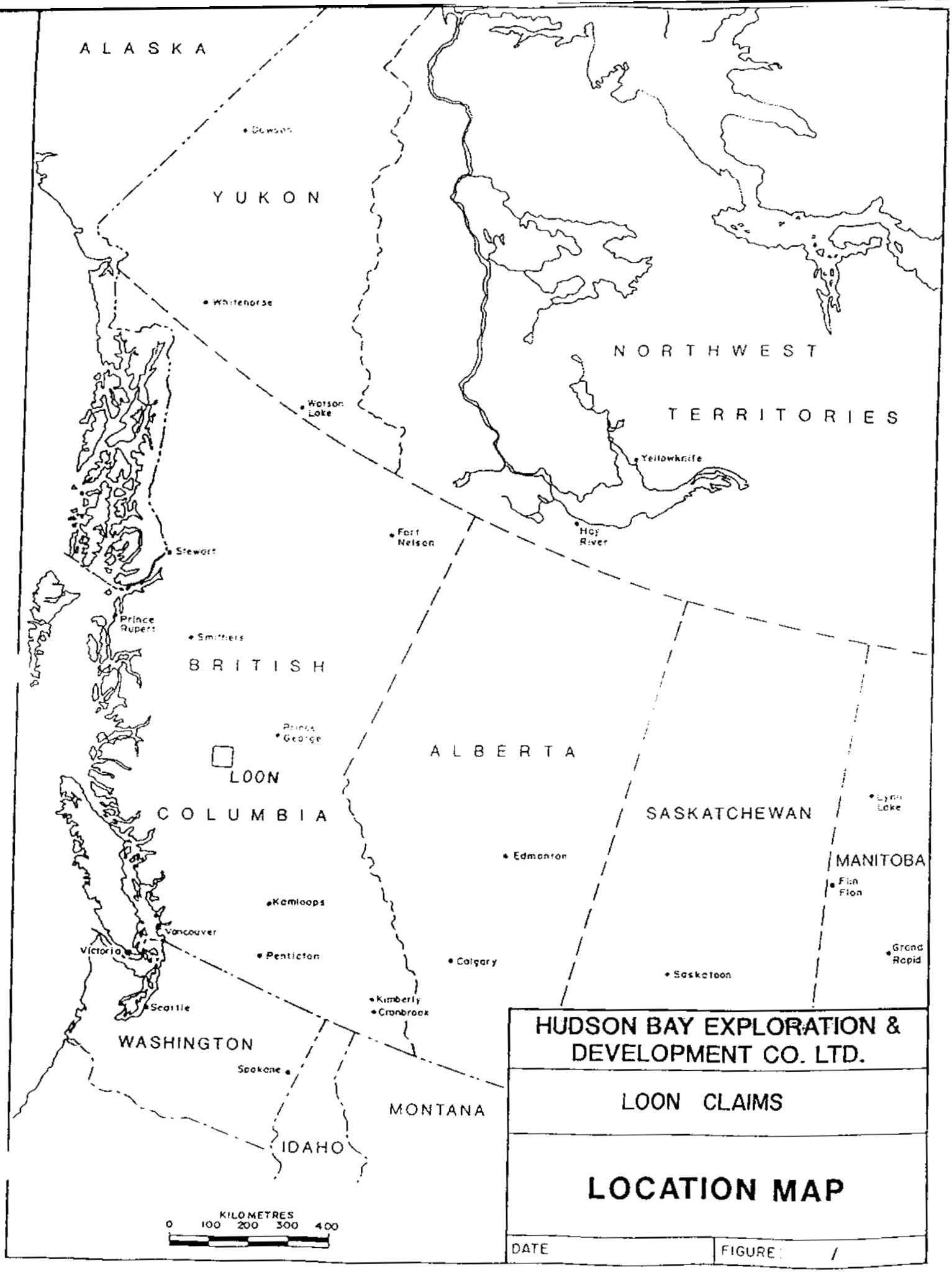
2.1 During the period June 22 to June 26, 1993, Hudson Bay Exploration and Development Company Ltd., carried out a program of soil sampling and resistivity surveying on the Loon claims in north central British Columbia. Minor trench re-sampling was also done. The purpose of this program was to fill in the previously delineated gold geochemical anomaly and to further delineate the existing resistivity anomaly.

2.2 The details of this work are the subject of this report.

3. LOCATION, ACCESS AND PHYSIOGRAPHY

3.1 The Loon claims are located approximately 70 kilometres south of Burns Lake, B.C., on N.T.S. mapsheet 93F/12 in the Omineca Mining Division (Figure 1). The claims are centered at latitude 53° 38′ N and longitude 125° 59′ W. The claims lie northeast of Uduk Lake near the eastern boundary of Tweedsmuir Provincial Park.

3.2 Access to the claims is by floatplane from Burns Lake to Wolf Lake. A tent camp was established on the west side of Wolf Lake. Logging roads pass within five kilometres to the east of the property.



HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

LOON CLAIMS

LOCATION MAP

DATE

FIGURE 1

3.3 Topography is extremely gentle with elevations ranging from 1,189 metres a.s.l., to 1,220 metres a.s.l. Vegetation consists of pine interspersed with open, swampy meadows. Water for all stages of exploration is available from two lakes on the property.

4. CLAIM STATUS

4.1 The Loon property comprises four contiguous claims totalling 21 units (Figure 2). The claims are located in the Omineca Mining Division. The Loon claims are owned by Hudson Bay Exploration and Development Company Ltd. Complete claim information is as follows:

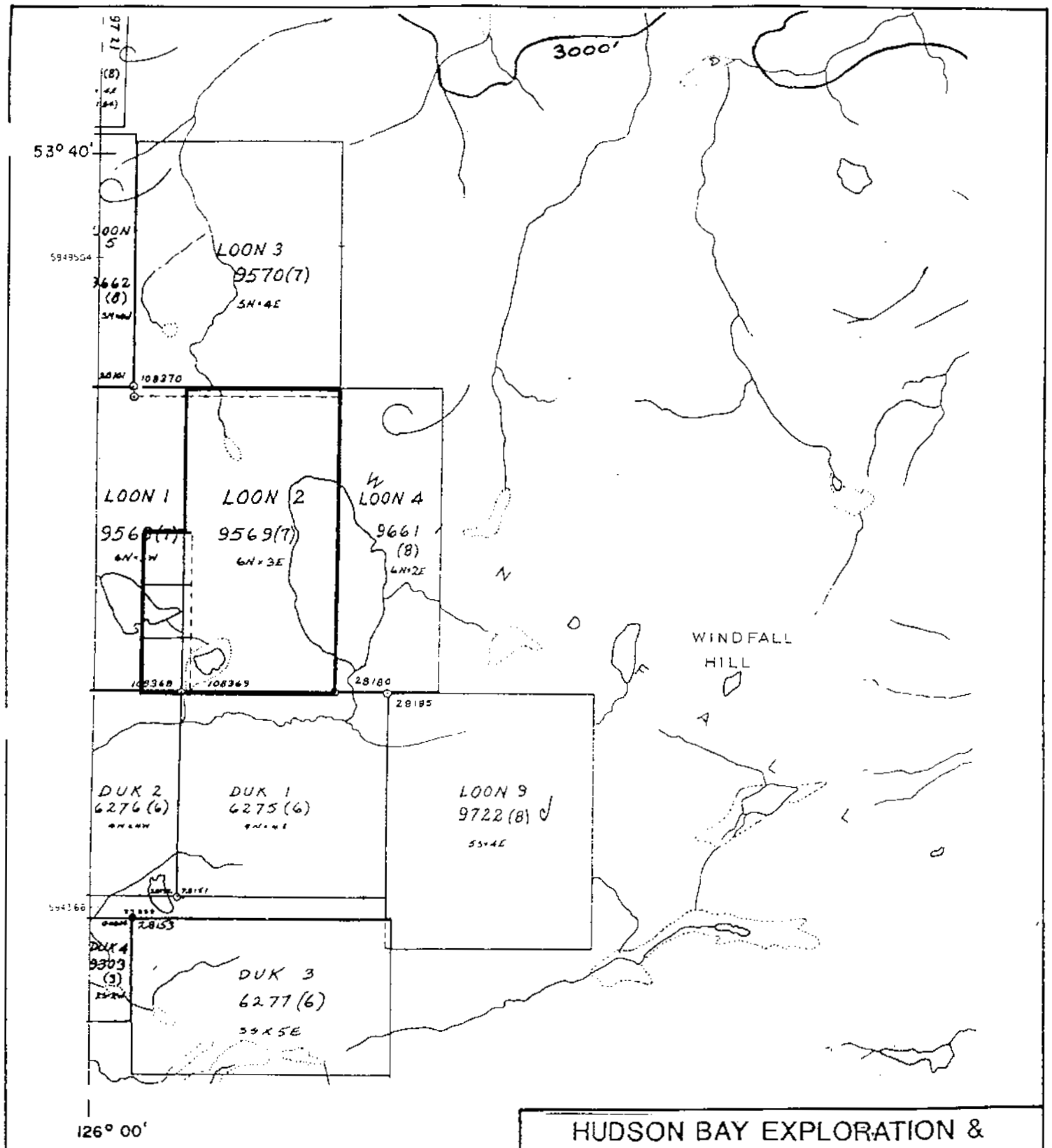
CLAIM NAME	NO. OF UNITS	RECORD NO.	RECORD DATE	* EXPIRY DATE
Loon 2	18	240032	07/19/88	07/19/96
Loon 3P	1	318551	06/23/93	06/23/96
Loon 4P	1	318552	06/23/93	06/23/96
Loon 5P	1	318553	06/23/93	06/23/96

* Includes assessment currently being applied.

5. HISTORY

5.1 The first documented work in the area was by H. W. Tipper of the Geological Survey of Canada in 1949. Results of his mapping were later published in G.S.C. Memoir 324. In 1980, Amax Exploration Ltd. staked claims in the Uduk Lake area just south of the Loon property. The claims were allowed to lapse by Amax and were subsequently restaked by A & M Exploration as the Duk claims. These claims are presently still in good standing and held by Comox Resources Ltd.

5.2 In 1988, geologists employed by Mingold Resources Inc., found an accumulation of mineralized epithermal vein and breccia boulders south of Ootsa Lake. These boulders were subsequently traced "up ice" to outcroppings of similar material on what is now the Loon claims. Mingold carried out geophysical, geochemical and geological surveys in 1989 and 1990. Mingold Resources ceased operations in 1990 and no further work was done. The Loon 2 claim was transferred to Hudson Bay Exploration in June, 1993.



HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.		
LOON CLAIMS		
CLAIM MAP		
JULY '93	SCALE 1:50,000	FIG: 2

6. GEOLOGY

6.1 The Loon claims occur in the south-central part of the intermontane belt of the Canadian Cordillera. The oldest rocks exposed in the area are the Upper Triassic Takla Group consisting of intermediate to basic flows and tuffs. The Takla Group is overlain by early to middle Jurassic Hazelton Group Volcanics.

6.2 The Hazelton Group is unconformably overlain by Ootsa Lake Volcanics of Eocene age. These rocks consist of flows and tuffs of felsic to intermediate composition. The Ootsa Lake Group often hosts epithermal gold-silver mineralization in the area.

6.3 The Ootsa Lake Group is overlain and intruded by andesitic to basaltic flows and dykes of the middle Tertiary Endako Group. These rocks are typically basaltic in composition and have probably resulted from "plateau type" extrusion into the area.

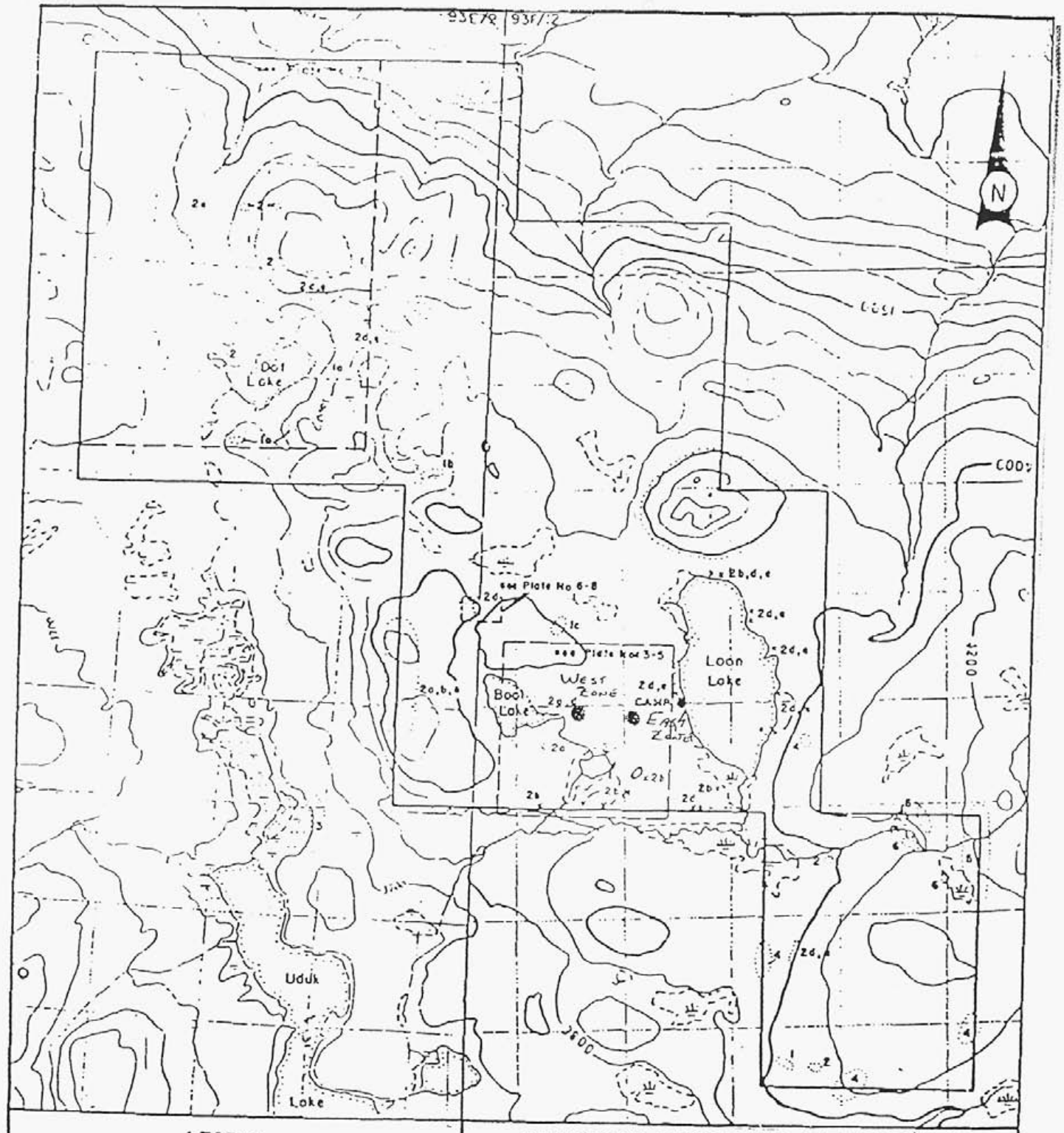
6.4 The claims are underlain by grey to buff coloured rhyolite that becomes bleached and brecciated in the main trench areas. Mineralization consists of quartz-chalcedony veinlets and breccias with small amounts of pyrite and possibly argentite.

7. GEOCHEMISTRY

7.1 During the period June 22 to June 27, 1993 a total of 260 soil samples and 13 rock samples were collected from the Loon claims. Soil sampling was done in order to fill in gaps in the previous surveys. Soils were collected at 25 metre stations along lines spaced 50 metres apart.

7.2 Samples were collected from a depth of 15 to 25 centimetres and placed in Kraft "wet strength" bags. Where possible, the soils were collected from the B-horizon but this horizon was generally poorly developed. Samples were air dried and sent to Pioneer Labs in New Westminster, B.C. for analysis. All samples were run for 30 element ICP plus geochemical (A.A.) gold and mercury. Analytical procedures are included in Appendix I.

7.3 Two lines that had been previously sampled, 56+00N and 53+00N, were resampled in order to confirm the anomalous gold values previously reported. The gold values from the 1993 program were much lower than previously reported (Figure 4). This difference may be due to lab error but is most likely due to the nature of the material being sampled. The grid area covers ground with little to no relief which is characterized by several swampy areas bisected by north-south trending ridges of higher ground. In general, bedrock is exposed or



LEGEND

1. ENDAKO GP. BASALT
   - 1a: perlite (maybe 2)
   - 1b: pyroclastic flow
   - 1c: amygdaloidal
2. OOTSA LAKE GP. RHYODAC.
   - 2a bedded tuff
   - 2b: argillically altered
   - 2c: propylitized
   - 2d: silicified
   - 2e brecciated
3. Quartz-eye porphyry
4. ANDESITE
5. QZ MONZONITE
6. ARGILL., CONGL.

x Float

Outcrop

HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

LOON CLAIMS
GEOLOGY

93E/9, 93F/12 — OMINECA M.D.

DRAWN BY:	DATE:	APPROVED BY:
REVISED BY:	DATE	SCALE: 1:50,000

0 500 1000 2000 m

PLATE NO. 2

very near surface on the higher ground whereas in the swampy areas bedrock is covered by at least one metre of glacial till and soil. The geochemical responses may be corresponding to depths to bedrock and not fairly representing metal concentrations in the bedrock.

7.4 Gold and arsenic values are plotted on Figures 4 and 5 respectively. Gold values range from one part per billion to a high of 50 parts per billion, silver values range from 0.1 parts per million to 1.9 parts per million and arsenic values range from two parts per million to 180 parts per million. In general, gold values are very low with a background level of one to two parts per billion and only a few stations with greater than ten parts per billion gold. Arsenic has a much greater range of values and is contoured at 10 parts per million on Figure 5.

7.6 As can be seen on Figure 5, there are three well defined +10 ppm arsenic in soil anomalies. Anomaly A is approximately 500 metres long, in an east-west direction and 100 to 200 metres wide. Within anomaly A are two north-south trending +20 ppm anomalies, one of which encompasses the main trench area.

7.7 Anomaly B, located to the west of anomaly A, is approximately 200 metres long in a north-south direction and 150 metres wide. This anomaly is open to the south.

7.8 Anomaly C is located south of anomaly A and is approximately 150 metres long in a northeast-southwest direction.

7.9 There is a fourth +10 ppm anomaly, anomaly D, centred at 57+00N, 56+50E. This anomaly is open to the north and needs more sampling to determine the extent of the anomaly.

7.10 A total of 13 rock samples were collected from the Loon claims. Gold values ranged from 22 parts per billion to 1,520 parts per billion and silver values ranged from 0.6 parts per million to 9.3 parts per million. Sample locations are plotted on Figure 8.

8. GEOPHYSICS

8.1 During the 1993 program approximately 2.5 kilometres of resistivity surveys were completed using a Geonics EM16-R. This survey was done in order to fill in the previous resistivity survey. The results of the 1993 resistivity survey along with the previous survey are plotted on Figure 6. This survey delineated four areas of +100 ohm-m resistance. Anomaly A is approximately 700 metres long in a north-south direction and 100 to 150 metres wide. This resistivity anomaly encompasses soil anomalies A and C.

8.2 Anomaly B is centered on the eastern trenches and is approximately 200 metres long in a north-south direction and 100 metres wide.

8.3 Anomaly C is approximately 300 metres long in a north-south direction and 100 metres wide. This anomaly lies almost wholly within soil anomaly A .

8.4 The fourth resistivity anomaly, anomaly D, is located at the northwest corner of the claim area. This anomaly is open to the north, west and south and will require further resistivity surveying in order to further delineate it. This anomaly lies within the western half of soil anomaly B.

9. CONCLUSION AND RECOMMENDATIONS

9.1 Resistivity surveying has delineated four areas of +100 ohm-m resistance. It is believed that these resistive areas are representative of underlying siliceous bedrock. Due to depth limitations of the instrument used and the heterogeneous nature of the ground (two layer system with conductive overburden and relatively non-conductive bedrock) it is possible that the resistivity readings are dependant upon the depth of overburden and not simply bedrock type.

9.2 Normal pathfinders for gold include arsenic, antimony, mercury and bismuth. Soil sampling has defined three areas of +10 ppm arsenic. These geochemical anomalies partially correlate with the resistivity anomalies.

9.3 Rock sampling failed to return any ore grade assays although four samples returned anomalous gold and silver values. Sample Loon Rock 6 returned 110 ppb gold and 1.2 ppm silver; Loon Rock 7 returned 560 ppb gold and 6.7 ppm silver; Loon Rock 12 returned 120 ppb gold and 2.0 ppm silver and sample Loon Pyrite returned 1,520 ppb gold and 9.3 ppm silver.

9.4 Before any more work is done on the property it is recommended that the resistivity data be re-interpreted by a qualified geophysicist. The geophysicist should also make recommendations as to what other geophysical survey methods may be more suitable to locate gold and silver mineralization within quartz-chalcedony veins and breccias.

10. BIBLIOGRAPHY

Taylor, K. J. Geochemical and Geophysical Surveys, Mapping, Rock Sampling and Trenching on the Loon 1 - 3 Claims, Omineca Mining Division, B.C. Assessment Report #20,123. May, 1990.

11. STATEMENT OF EXPENDITURES - LOON CLAIMS
JUNE 21-30, 1993.

MANPOWER			
E. W. Yarrow	7 days @ $250/day	1,750.	
M. Moore	7 days @ $150/day	1,050.	
P. Reynolds	10 days @ $175/day (including report writing)	1,750.	
			4,550.
TRANSPORTATION			
Truck rental	7 days @ $35/day	245.	
Vehicle gas		205.	
Aircraft transport		1,300.	
			1,750.
ANALYTICAL CHARGES			
260 soil samples @ $11.32/sample		2,943.	
13 rock samples @ $15.65/sample		203.	
			3,146.
CREW: MOB-DEMOB			
Meals, hotels - 2 nights, 3 days			494.
CAMP SUPPORT			
Food		356.	
Equipment		1,650.	
			2,006.
REPORT PREPARATION			
Drafting, office supplies, secretarial			200.
TOTAL			$12,146.

12. **CERTIFICATE**

I, Paul Reynolds, of the city of Vancouver in the province of British Columbia do hereby certify that:

1) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia.

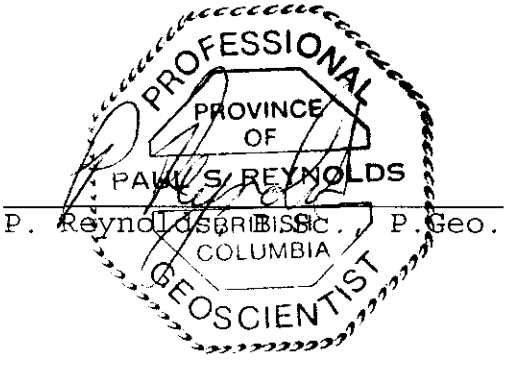
2) I am a graduate of the University of British Columbia with a B.Sc. degree in geology.

3) I have practiced my profession as exploration geologist since graduation in 1987.

4) This report is based on field work carried out by the author on the Loon property.

5) I have no interest, directly or indirectly in the Loon property nor in the securities of Hudson Bay Exploration and Development Company Ltd.

Dated this 21st day of July, 1993.



P. Reynolds, B.Sc., P.Geo.

APPENDIX I
ANALYTICAL RESULTS

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

GEOCHEMICAL ANALYSIS CERTIFICATE

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.
*Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst R Sem
Report No. 9310530
Date: July 06, 1993

ELEMENT / SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L52+00N 50+00E	1	13	6	68	.1	20	9	289	3.26	2	5	ND	2	28	.3	2	2	54	.30	.055	9	29	.45	109	.18	2	1.71	.02	.06	1	2
L52+00N 50+25E	2	11	7	87	.2	18	8	386	3.26	2	5	ND	2	29	.3	2	2	52	.28	.062	10	25	.40	116	.13	2	2.12	.02	.07	1	1
L52+00N 50+50E	1	10	8	56	.1	13	7	280	2.69	2	5	ND	2	24	.3	2	2	48	.23	.042	9	22	.37	80	.16	2	1.44	.02	.05	1	1
L52+00N 50+75E	1	12	6	86	.3	18	8	257	3.33	2	5	ND	2	26	.3	2	2	55	.19	.056	8	24	.33	118	.16	2	2.23	.02	.06	1	30
L52+00N 51+00E	2	10	8	77	.5	14	8	442	2.95	10	5	ND	2	15	.2	2	2	48	.11	.063	11	21	.27	85	.14	2	2.15	.02	.05	1	1
L52+00N 51+25E	4	8	10	57	.4	9	4	233	2.48	26	5	ND	2	21	.2	2	2	42	.16	.028	12	19	.29	67	.15	2	1.18	.02	.07	1	4
L52+00N 51+50E	1	10	9	80	.4	12	5	317	2.60	3	5	ND	2	23	.2	2	2	44	.22	.044	11	21	.35	86	.16	2	1.53	.02	.05	1	1
L52+50N 48+00E	3	9	9	55	.1	10	5	211	2.28	2	5	ND	2	33	.2	2	2	39	.35	.041	13	19	.39	92	.14	2	1.49	.03	.06	1	1
L52+50N 48+25E	4	7	10	59	.1	8	5	320	1.96	2	5	ND	2	22	.2	2	2	35	.22	.033	18	17	.30	71	.11	2	1.25	.02	.05	1	1
L52+50N 48+75E	1	11	9	69	.1	13	9	510	2.97	4	5	ND	2	29	.2	2	2	44	.23	.048	15	20	.35	84	.09	2	1.73	.02	.06	1	1
L52+50N 49+00E	2	10	7	87	.1	12	9	727	2.53	2	5	ND	2	41	.4	2	2	42	.36	.065	9	22	.35	117	.13	2	1.56	.02	.06	1	1
L52+50N 49+25E	1	10	8	113	.1	18	10	274	3.31	2	5	ND	2	13	.3	2	2	51	.12	.068	8	30	.24	95	.16	2	2.20	.02	.05	1	2
L52+50N 49+50E	1	16	6	89	.2	33	14	475	4.02	2	5	ND	2	21	.4	2	2	61	.20	.070	8	36	.42	95	.17	2	2.27	.02	.06	1	1
L52+50N 49+75E	1	19	6	67	.1	30	13	335	3.97	2	5	ND	2	26	.5	2	2	62	.20	.043	9	35	.55	146	.18	2	2.13	.02	.05	1	1
L52+50N 50+00E	1	12	7	125	.1	22	10	506	3.64	2	5	ND	2	22	.4	2	2	56	.23	.090	9	30	.39	95	.16	2	2.37	.02	.06	1	1
L52+50N 50+25E	13	17	14	105	.9	15	9	341	3.90	73	5	ND	3	23	.3	3	2	54	.14	.050	20	24	.37	112	.06	2	2.72	.02	.12	1	10
L52+50N 50+50E	12	16	12	87	1.1	17	8	298	3.84	119	5	ND	2	20	.3	5	2	56	.13	.054	15	30	.41	86	.10	2	2.07	.02	.09	1	8
L52+50N 50+75E	8	7	11	44	.3	9	4	202	2.15	28	5	ND	2	18	.2	6	2	38	.13	.017	12	20	.27	54	.15	2	1.04	.02	.07	1	3
L52+50N 51+00E	1	8	7	78	.4	12	7	781	2.79	2	5	ND	2	21	.2	2	2	48	.23	.105	8	24	.20	75	.16	2	1.29	.01	.09	1	1
L52+50N 51+25E	1	11	6	78	.7	18	9	395	3.28	2	5	ND	2	25	.2	2	2	54	.17	.091	10	26	.27	107	.16	2	1.89	.02	.06	1	2
L52+50N 51+50E	1	12	6	59	.3	17	9	222	3.32	2	5	ND	2	31	.2	2	2	55	.21	.081	9	23	.28	104	.14	2	2.18	.02	.07	1	1
L52+50N 51+75E	1	10	7	74	.3	18	9	524	3.27	2	5	ND	2	25	.2	2	2	54	.20	.090	9	26	.32	114	.16	2	1.93	.02	.07	1	1
L52+50N 52+00E	2	10	12	42	.3	11	5	255	2.37	30	5	ND	2	38	.2	2	2	40	.25	.017	11	20	.39	82	.15	2	1.22	.03	.06	1	1
L52+50N 52+25E	1	10	8	54	.1	14	7	470	2.49	2	5	ND	2	29	.2	2	2	43	.26	.049	10	21	.39	97	.17	2	1.51	.03	.05	1	1
L52+50N 52+50E	1	6	6	41	.1	8	3	236	1.53	2	5	ND	2	19	.2	2	2	26	.17	.020	13	14	.23	57	.13	2	1.05	.02	.04	1	1
L52+50N 52+75E	2	18	10	78	.4	19	14	682	3.58	11	5	ND	2	38	.4	2	2	48	.30	.064	21	24	.47	146	.03	2	3.06	.02	.09	1	1
L52+50N 53+00E	1	6	7	44	.2	8	3	206	1.64	3	5	ND	2	19	.2	2	2	28	.18	.023	13	15	.25	61	.11	2	1.02	.02	.05	1	1
L52+50N 53+25E	1	7	9	39	.2	8	3	195	1.53	3	5	ND	2	25	.2	2	2	25	.21	.028	14	14	.25	69	.09	2	1.03	.02	.05	1	1
L52+50N 53+50E	2	13	8	71	.2	16	11	816	3.08	7	5	ND	2	43	.2	2	2	42	.39	.064	20	22	.44	122	.05	2	2.45	.02	.07	1	1
L52+50N 53+75E	1	13	7	59	.1	14	6	320	2.69	4	5	ND	2	39	.2	2	2	39	.31	.041	18	22	.42	112	.04	2	2.38	.02	.06	1	1

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L52+50N 54+00E	2	11	9	62	.2	13	8	680	2.56	3	5	ND	2	33	.2	2	2	36	.29	.047	16	22	.38	105	.06	2	2.11	.02	.07	1	1
L52+50N 54+25E	1	11	8	66	.3	12	6	369	2.71	3	5	ND	2	33	.3	2	2	42	.27	.044	16	22	.38	103	.09	2	1.97	.02	.06	1	1
L52+50N 54+75E	1	8	10	43	.2	7	3	173	1.86	2	5	ND	2	20	.2	2	2	34	.20	.028	13	17	.25	72	.11	2	1.30	.02	.04	1	1
L52+50N 55+00E	1	7	8	43	.2	8	4	217	1.79	2	5	ND	2	20	.2	2	2	31	.18	.026	13	16	.28	65	.11	2	1.19	.02	.04	1	1
L52+50N 55+25E	1	12	6	48	.1	13	10	546	2.59	2	5	ND	2	32	.2	2	2	40	.25	.045	15	20	.36	116	.07	2	2.08	.02	.06	1	3
L52+50N 55+50E	1	8	9	49	.1	10	6	295	2.10	2	5	ND	2	24	.2	2	2	34	.21	.024	12	18	.31	76	.11	2	1.43	.02	.05	1	1
L52+50N 55+75E	1	10	9	69	.1	17	7	311	2.54	10	5	ND	2	63	.2	2	3	41	.18	.047	15	26	.33	114	.08	2	1.78	.02	.06	1	2
L52+50N 56+25E	2	13	5	71	.1	14	13	835	3.43	3	5	ND	2	33	.3	2	2	55	.25	.047	14	22	.40	118	.08	2	2.30	.02	.06	1	1
L52+50N 56+50E	1	7	8	47	.1	10	5	305	2.00	2	5	ND	3	36	.2	2	2	36	.34	.041	15	19	.33	101	.16	2	1.31	.03	.04	1	1
L52+50N 56+75E	1	7	7	49	.1	10	5	230	2.24	2	5	ND	3	23	.2	2	2	37	.20	.032	11	19	.33	86	.15	2	1.46	.02	.05	1	1
L52+50N 57+00E	1	7	7	42	.1	9	4	205	2.07	3	5	ND	2	24	.2	2	2	36	.19	.032	15	18	.28	77	.14	2	1.22	.02	.05	1	3
L52+50N 57+25E	1	11	6	79	.1	20	9	223	3.11	2	5	ND	3	27	.2	2	2	49	.19	.057	10	28	.34	143	.16	2	2.72	.02	.04	1	1
L52+50N 57+50E	1	10	6	74	.1	19	8	159	3.11	2	6	ND	3	16	.2	2	2	48	.13	.082	10	27	.26	85	.16	2	2.51	.02	.04	1	1
L53+00N 50+00E	1	13	5	130	.1	22	11	442	3.70	3	5	ND	2	22	.2	2	2	57	.20	.113	11	31	.39	122	.13	2	2.84	.02	.05	1	1
L53+00N 50+25E	1	10	5	95	.3	18	9	340	3.21	2	5	ND	3	23	.2	2	2	53	.17	.085	10	26	.27	98	.15	2	1.82	.02	.08	1	1
L53+00N 50+50E	5	11	10	74	1.0	17	7	364	3.31	38	5	ND	3	13	.2	2	2	49	.09	.068	15	23	.29	100	.10	2	2.32	.01	.07	1	1
L53+00N 50+75E	7	10	14	117	1.5	14	6	466	3.80	57	5	ND	2	12	.2	2	2	53	.10	.089	16	24	.22	99	.08	2	2.51	.01	.08	1	1
L53+00N 51+00E	3	11	8	93	1.0	15	7	277	3.18	21	5	ND	3	17	.2	2	2	47	.13	.086	15	23	.25	95	.09	2	2.18	.02	.06	1	4
L53+00N 51+25E	6	11	14	146	.5	13	6	503	4.54	132	5	ND	3	27	.2	2	2	51	.08	.103	19	23	.24	188	.05	2	2.80	.02	.10	1	2
L53+00N 51+50E	1	10	7	91	.3	18	9	361	3.44	6	5	ND	3	14	.2	2	2	50	.11	.115	11	25	.30	92	.12	2	2.34	.02	.06	1	1
L53+00N 51+75E	1	10	6	55	.1	17	8	260	3.08	2	5	ND	2	25	.2	2	2	52	.20	.058	10	23	.35	127	.16	2	2.14	.02	.06	1	1
L53+00N 52+00E	1	7	9	62	.1	9	4	159	2.02	2	5	ND	2	18	.2	2	2	34	.18	.046	9	16	.22	69	.13	2	1.67	.02	.05	1	1
L53+00N 52+25E	1	7	9	91	.1	11	4	202	2.29	2	5	ND	2	21	.2	2	2	39	.18	.040	10	19	.28	70	.19	2	1.39	.02	.05	1	1
L53+00N 52+50E	1	10	6	100	.1	19	12	449	3.32	2	5	ND	3	33	.2	2	2	47	.28	.065	9	22	.57	116	.19	2	1.76	.02	.06	1	3
L53+00N 52+75E	1	10	7	51	.1	15	7	329	2.43	2	5	ND	2	31	.2	2	2	41	.27	.031	11	21	.45	77	.17	2	1.58	.03	.06	1	2
L53+00N 53+00E	2	22	7	73	.2	25	12	347	4.20	2	5	ND	2	53	.2	2	2	58	.39	.068	16	27	.60	154	.03	2	3.80	.02	.11	1	1
L53+00N 53+25E	1	6	9	47	.1	9	6	292	1.85	5	5	ND	2	22	.2	2	2	32	.19	.035	15	15	.25	63	.09	2	1.13	.02	.06	1	1
L53+00N 53+50E	1	9	9	57	.1	10	5	307	2.05	6	5	ND	2	26	.2	2	2	33	.22	.026	15	16	.32	79	.08	2	1.45	.02	.06	1	1
L53+00N 53+75E	1	10	8	57	.1	13	6	280	2.19	5	5	ND	2	31	.2	2	2	33	.26	.040	17	19	.37	98	.06	2	1.82	.02	.07	1	1
L53+00N 54+00E	2	17	9	88	.4	18	17	1781	3.45	9	7	ND	2	34	.3	2	2	46	.22	.066	23	23	.40	175	.03	2	2.86	.02	.09	1	2
L53+00N 54+25E	1	9	9	51	.1	10	5	319	2.02	6	5	ND	2	26	.2	2	2	32	.23	.034	17	16	.31	81	.05	2	1.53	.02	.07	1	5
L53+00N 54+50E	2	19	8	69	.1	19	18	2219	3.34	9	5	ND	2	65	.2	2	2	43	.52	.079	25	23	.49	183	.02	2	2.82	.03	.14	1	1
L53+00N 54+75E	1	6	9	38	.1	8	3	215	1.64	3	5	ND	2	23	.2	2	2	29	.21	.016	13	15	.29	60	.13	2	.98	.02	.05	1	2
L53+00N 55+00E	2	13	8	82	.2	16	11	911	3.09	10	7	ND	2	32	.2	2	2	45	.23	.048	16	22	.43	128	.05	2	2.30	.02	.08	1	1
L53+00N 55+25E	1	21	7	100	.1	22	14	671	3.85	3	5	ND	2	45	.2	2	2	45	.34	.088	22	29	.56	190	.02	2	4.11	.02	.11	1	4

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L53+00N 55+50E	1	20	6	98	.2	21	12	613	3.71	3	6	ND	3	45	.2	2	2	44	.34	.085	21	28	.54	185	.02	2	3.96	.03	.11	1	3
L53+00N 55+75E	1	10	8	50	.1	11	5	207	2.19	2	5	ND	2	25	.2	2	2	38	.23	.027	11	19	.33	84	.16	2	1.43	.02	.05	1	1
L53+00N 56+00E	1	10	7	51	.1	13	6	208	2.26	4	5	ND	2	22	.2	2	2	35	.23	.037	12	20	.38	93	.13	2	1.84	.02	.05	1	2
L53+00N 56+25E	1	10	9	54	.1	13	6	249	2.30	2	5	ND	2	27	.2	2	2	39	.27	.034	12	20	.37	85	.12	2	1.64	.02	.05	1	1
L53+00N 56+50E	1	8	9	51	.1	11	4	218	1.98	3	5	ND	2	40	.2	2	2	35	.32	.033	15	18	.35	90	.11	2	1.34	.03	.06	1	1
L53+00N 56+75E	1	8	9	54	.1	11	5	182	2.50	2	5	ND	2	18	.2	2	2	46	.14	.040	10	21	.27	53	.14	2	1.53	.02	.05	1	1
L53+00N 57+00E	1	7	9	49	.1	12	5	202	1.87	3	5	ND	2	35	.2	2	2	31	.20	.028	14	18	.36	74	.11	2	1.48	.02	.04	1	1
L53+00N 57+25E	1	8	11	55	.1	12	5	238	2.14	4	5	ND	2	42	.2	2	2	39	.32	.034	16	20	.40	95	.11	2	1.41	.03	.06	1	1
L53+00N 57+50E	1	9	10	57	.2	13	5	236	2.22	7	5	ND	2	41	.2	2	2	40	.32	.035	16	22	.42	95	.10	2	1.48	.03	.05	1	3
L53+50N 49+75E	8	9	8	105	.2	17	8	185	3.10	4	5	ND	2	18	.2	2	2	46	.16	.086	9	23	.26	80	.14	2	1.73	.02	.06	1	2
L53+50N 50+00E	3	9	7	86	.1	16	8	433	2.92	2	5	ND	2	22	.2	2	2	51	.22	.057	8	24	.32	100	.16	3	1.81	.02	.05	1	1
L53+50N 50+50E	1	13	8	182	.6	19	12	1598	3.36	2	5	ND	2	25	.2	2	2	54	.23	.172	12	24	.33	125	.15	3	2.01	.02	.07	1	1
L53+50N 50+75E	1	11	8	111	.2	23	10	825	3.31	3	5	ND	2	25	.2	2	2	52	.26	.100	11	25	.37	100	.15	3	2.04	.02	.07	1	1
L53+50N 51+25E	1	10	8	54	.2	13	5	201	2.68	2	5	ND	2	23	.2	2	2	42	.19	.050	11	22	.34	88	.12	2	2.05	.02	.05	1	2
L53+50N 51+50E	2	11	7	64	.2	15	8	250	3.14	4	5	ND	2	21	.2	2	2	50	.19	.052	11	26	.42	114	.13	2	2.21	.02	.05	1	1
L53+50N 51+75E	3	14	9	101	.1	16	10	310	3.76	6	5	ND	2	18	.2	2	2	49	.15	.074	11	27	.39	109	.05	2	3.23	.02	.08	1	1
L53+50N 52+00E	1	9	8	60	.1	14	7	227	2.72	2	5	ND	2	22	.2	2	2	44	.20	.049	11	22	.36	80	.14	2	1.76	.02	.06	1	1
L53+50N 52+25E	2	13	6	72	.2	25	11	209	3.76	2	5	ND	2	22	.3	2	2	51	.19	.073	9	33	.43	136	.12	2	3.27	.02	.05	1	1
L53+50N 52+50E	2	11	7	66	.1	18	9	183	3.09	2	5	ND	2	18	.2	2	2	49	.14	.059	8	26	.30	122	.16	2	2.43	.02	.04	1	1
L53+50N 52+75E	1	5	11	35	.1	7	3	125	1.38	2	5	ND	2	15	.2	2	2	27	.13	.018	9	15	.21	76	.12	2	1.62	.02	.04	1	1
L53+50N 53+00E	1	9	9	97	.2	14	6	160	2.67	2	5	ND	2	14	.2	2	2	42	.14	.073	10	24	.25	90	.11	2	2.30	.02	.05	1	1
L53+50N 53+25E	2	9	7	79	.1	16	8	419	3.52	2	5	ND	2	15	.2	2	2	58	.13	.062	9	26	.29	83	.16	2	2.23	.02	.05	1	5
L53+50N 53+50E	1	8	9	61	.1	12	6	225	2.30	2	5	ND	2	22	.2	2	3	38	.20	.029	10	21	.27	78	.15	2	1.68	.02	.05	1	1
L53+50N 53+75E	1	8	11	45	.1	11	6	253	2.17	2	5	ND	2	33	.2	2	2	38	.29	.030	14	21	.38	85	.15	2	1.35	.03	.06	1	5
L53+50N 54+00E	1	12	8	86	.3	19	7	199	3.34	2	5	ND	2	26	.2	2	2	53	.24	.054	13	28	.43	103	.11	2	2.26	.02	.06	1	1
L53+50N 54+25E	1	7	9	49	.1	11	5	204	2.63	2	5	ND	2	19	.2	2	2	47	.20	.040	12	23	.30	71	.14	2	1.45	.02	.05	1	2
L53+50N 54+50E	1	6	10	47	.1	8	4	214	1.76	2	5	ND	2	21	.2	2	2	32	.20	.017	13	17	.27	61	.13	2	1.09	.02	.05	1	1
L53+50N 54+75E	1	5	11	44	.1	7	3	164	1.63	2	5	ND	2	20	.2	2	2	29	.20	.017	12	15	.25	62	.14	2	1.06	.02	.05	1	1
L53+50N 55+00E	1	8	9	49	.2	9	4	223	1.98	3	5	ND	2	24	.2	2	2	34	.23	.035	15	17	.30	82	.09	2	1.50	.02	.04	1	2
L53+50N 55+25E	1	8	8	62	.1	12	5	301	2.20	2	5	ND	2	20	.2	2	2	36	.21	.041	13	19	.37	92	.13	2	1.76	.02	.05	1	1
L53+50N 55+50E	1	7	9	55	.1	12	5	229	2.25	2	5	ND	2	21	.2	2	2	38	.17	.034	10	19	.40	81	.17	2	1.49	.02	.05	1	1
L53+50N 55+75E	1	9	9	72	.1	13	6	259	2.59	2	5	ND	2	23	.2	2	2	43	.21	.040	12	20	.39	99	.14	2	1.73	.02	.05	1	10
L53+50N 56+00E	1	8	7	50	.1	13	5	251	2.16	5	5	ND	2	23	.2	2	2	37	.24	.042	14	18	.37	79	.12	2	1.43	.02	.06	1	1
L53+50N 56+25E	1	7	11	53	.1	9	4	188	1.97	2	5	ND	2	22	.2	2	2	35	.21	.023	12	19	.30	67	.14	2	1.27	.02	.05	1	1
L53+50N 56+50E	1	9	8	59	.3	11	5	244	2.19	2	5	ND	2	21	.2	2	2	36	.22	.047	15	18	.35	80	.12	2	1.68	.03	.06	1	1

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L53+50N 56+75E	1	9	8	66	.1	14	6	224	2.82	5	5	ND	2	23	.2	2	2	43	.20	.062	15	23	.37	100	.10	2	2.29	.02	.05	1	1
L53+50N 57+00E	1	8	9	55	.2	10	4	189	1.91	3	6	ND	2	17	.2	2	2	31	.15	.033	14	16	.29	69	.12	2	1.52	.02	.06	1	1
L53+50N 57+25E	1	9	9	48	.1	12	5	186	2.10	2	5	ND	2	22	.2	2	2	35	.21	.036	12	18	.36	77	.13	2	1.65	.02	.06	1	2
L53+50N 57+50E	2	8	5	63	.1	14	7	165	3.65	5	5	ND	2	13	.2	2	2	50	.09	.117	12	23	.22	130	.10	2	2.83	.01	.05	1	1
L54+00N 50+25E	1	7	6	96	.1	12	6	272	3.07	2	5	ND	2	16	.2	2	2	49	.17	.121	11	22	.30	91	.14	2	2.06	.02	.05	1	1
L54+00N 50+50E	2	6	6	96	.1	11	6	348	3.03	2	5	ND	2	17	.2	2	2	49	.16	.099	9	20	.22	78	.15	2	1.71	.01	.03	1	1
L54+00N 50+75E	1	6	8	79	.1	11	5	320	2.88	4	5	ND	2	18	.2	2	2	50	.17	.093	9	23	.21	81	.15	2	1.49	.01	.04	1	1
L54+00N 52+00E	1	12	5	69	.1	18	12	692	3.18	2	5	ND	2	23	.2	2	2	51	.22	.057	9	27	.45	89	.17	2	1.94	.02	.04	1	2
L54+00N 52+25E	4	16	7	81	.2	19	13	555	3.76	5	5	ND	2	21	.2	2	2	53	.18	.069	11	24	.48	113	.07	2	2.73	.02	.07	1	1
L54+00N 52+75E	1	9	8	58	.2	13	6	269	2.43	2	5	ND	2	21	.2	2	2	43	.20	.032	10	21	.37	69	.18	2	1.37	.02	.05	1	1
L54+00N 53+25E	1	11	7	80	.1	20	9	249	3.50	2	5	ND	2	20	.2	2	2	54	.16	.077	9	29	.29	110	.17	2	2.53	.02	.04	1	1
L54+00N 53+75E	1	10	7	71	.1	16	7	203	3.19	2	5	ND	2	19	.2	2	2	52	.18	.077	9	25	.30	93	.16	2	2.10	.02	.04	1	1
L54+00N 54+25E	1	11	7	69	.1	15	7	271	2.93	2	5	ND	2	26	.2	2	2	48	.26	.058	11	23	.43	103	.15	2	1.87	.02	.03	1	1
L54+00N 54+75E	1	10	7	87	.1	16	7	238	2.78	6	5	ND	2	21	.2	2	2	43	.21	.070	12	23	.36	105	.09	2	1.97	.02	.05	1	1
L54+00N 55+25E	1	9	8	60	.3	11	6	256	2.07	5	5	ND	2	24	.2	2	2	33	.20	.047	13	19	.30	89	.08	2	1.62	.02	.05	1	50
L54+00N 55+75E	1	6	9	47	.1	8	4	166	1.75	2	5	ND	2	21	.2	2	2	30	.21	.037	11	15	.21	85	.13	2	1.41	.02	.04	1	1
L54+00N 56+25E	2	13	6	79	.2	14	7	215	3.33	5	8	ND	3	29	.2	2	2	48	.24	.071	14	23	.37	123	.08	2	2.51	.01	.06	1	1
L54+00N 56+75E	1	9	9	67	.1	13	6	541	2.57	15	5	ND	3	27	.2	2	2	41	.23	.060	15	22	.32	108	.10	2	1.52	.02	.06	1	1
L54+00N 57+25E	1	7	10	51	.1	11	5	163	1.92	5	5	ND	2	15	.2	2	2	31	.13	.041	13	16	.25	90	.09	2	1.85	.02	.05	1	1
L54+50N 50+00E	2	7	10	63	.1	9	4	295	2.21	15	5	ND	2	16	.2	2	2	34	.18	.055	16	17	.24	73	.08	2	1.57	.01	.07	1	1
L54+50N 50+25E	1	4	10	42	.2	4	2	153	1.25	8	5	ND	2	12	.2	2	2	23	.12	.025	15	10	.13	48	.06	2	.79	.01	.05	1	1
L54+50N 50+50E	2	8	10	124	.2	14	6	246	3.03	15	5	ND	3	14	.2	2	2	41	.11	.101	14	19	.24	89	.06	2	2.34	.01	.06	1	1
L54+50N 50+75E	2	11	11	105	.2	16	8	493	3.41	22	5	ND	2	21	.2	2	2	46	.20	.067	15	22	.43	114	.04	2	2.52	.02	.08	1	1
L54+50N 51+00E	2	8	7	67	.2	14	5	190	2.61	7	5	ND	2	14	.2	2	2	40	.12	.062	12	20	.23	81	.09	2	1.88	.01	.05	1	1
L54+50N 51+25E	2	8	8	57	1.1	16	7	188	2.73	12	5	ND	2	13	.2	2	2	41	.11	.070	14	23	.25	93	.10	2	1.81	.01	.05	1	1
L54+50N 51+50E	2	16	4	98	.4	35	11	284	3.76	2	5	ND	2	20	.2	2	2	52	.17	.088	9	34	.46	124	.17	2	2.74	.02	.09	1	1
L54+50N 51+75E	6	13	11	88	.3	15	7	555	3.14	25	5	ND	2	35	.2	2	2	43	.25	.062	20	20	.39	136	.03	2	2.33	.01	.08	1	1
L54+50N 52+00E	4	11	12	63	.4	12	6	276	2.43	24	5	ND	2	26	.2	2	2	34	.20	.039	17	16	.34	104	.03	2	1.84	.02	.09	1	1
L54+50N 52+25E	5	15	14	108	1.3	12	5	209	3.55	180	5	ND	4	28	.2	3	2	38	.06	.115	19	18	.28	161	.04	2	2.38	.02	.10	1	6
L54+50N 52+50E	3	17	10	87	.4	21	9	296	3.58	44	7	ND	4	18	.2	2	2	46	.12	.095	17	24	.45	111	.06	2	2.87	.01	.10	1	1
L55+00N 48+00E	7	12	22	100	.4	7	4	219	3.27	50	5	ND	4	29	.2	2	2	31	.06	.103	36	14	.22	173	.01	2	2.25	.01	.13	1	1
L55+00N 48+25E	6	7	20	41	.1	4	2	103	1.87	36	5	ND	3	24	.2	2	2	23	.05	.032	33	10	.12	100	.02	2	.83	.01	.10	1	1
L55+00N 48+50E	3	7	14	86	.3	6	4	355	2.16	19	5	ND	3	15	.2	2	2	27	.06	.049	25	12	.14	102	.02	2	1.62	.01	.08	1	1
L55+00N 48+75E	3	12	13	101	.2	10	6	463	2.62	17	5	ND	3	19	.2	2	2	32	.14	.059	21	18	.27	108	.02	2	2.15	.01	.11	1	1
L55+00N 49+00E	3	8	17	54	.2	7	3	157	1.89	18	5	ND	3	16	.2	2	2	26	.10	.026	21	13	.27	65	.03	2	1.44	.01	.09	1	1

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L55+00N 49+25E	4	6	11	65	.1	5	4	501	1.76	15	5	ND	2	16	.2	2	2	23	.10	.029	25	12	.17	67	.03	2	1.12	.01	.08	1	1
L55+00N 49+50E	3	9	19	65	.3	5	4	1090	1.63	18	5	ND	2	22	.2	2	2	17	.14	.040	28	11	.13	111	.01	2	1.35	.01	.12	1	1
L55+00N 49+75E	1	6	9	64	.2	6	3	170	1.41	8	5	ND	2	17	.2	2	2	21	.15	.029	18	12	.19	65	.03	2	1.13	.02	.08	1	1
L55+00N 50+00E	1	6	11	42	.2	5	3	149	1.27	7	5	ND	2	15	.2	2	2	19	.14	.023	20	11	.20	60	.04	2	1.06	.01	.07	1	1
L55+32N 51+35E	2	5	12	36	.1	5	2	156	1.36	7	5	ND	2	14	.2	2	2	26	.15	.020	14	14	.14	51	.12	2	.74	.01	.06	1	2
L55+32N 51+45E	7	18	12	130	.7	19	14	701	4.57	56	5	ND	2	34	.6	2	2	50	.24	.084	21	28	.44	178	.01	2	3.87	.02	.14	1	2
L55+32N 51+55E	5	7	10	52	.3	8	4	192	1.85	25	5	ND	2	18	.2	2	2	28	.15	.032	16	16	.24	66	.06	2	1.22	.01	.06	1	1
L55+32N 51+65E	12	8	14	54	1.7	8	3	178	2.44	53	5	ND	2	16	.3	4	2	35	.08	.038	18	17	.20	80	.06	2	1.45	.01	.09	1	6
L55+32N 51+75E	10	10	11	66	.9	12	5	222	2.83	49	5	ND	2	20	.4	2	2	38	.11	.045	18	20	.29	101	.06	2	1.91	.01	.08	1	3
L55+32N 51+85E	3	7	11	66	.7	9	4	191	2.47	20	5	ND	2	16	.4	2	2	38	.12	.052	14	19	.22	72	.10	2	1.57	.01	.06	1	1
L55+50N 48+00E	2	6	10	44	.1	6	3	171	1.34	7	5	ND	2	16	.2	2	2	20	.14	.025	19	11	.22	60	.04	2	1.08	.01	.07	1	1
L55+50N 48+25E	3	11	12	89	.1	8	6	523	2.41	19	5	ND	2	18	.3	2	2	29	.15	.063	22	15	.23	110	.02	2	1.78	.01	.11	1	1
L55+50N 48+50E	5	6	19	42	.1	4	2	106	1.76	30	5	ND	2	20	.2	2	2	22	.06	.037	29	10	.11	87	.03	2	.85	.01	.09	1	1
L55+50N 48+75E	2	7	11	47	.1	6	5	211	1.50	9	5	ND	2	21	.2	2	2	20	.18	.038	20	12	.21	81	.03	2	1.25	.01	.09	1	1
L55+50N 49+00E	3	6	11	30	.1	4	2	107	1.32	10	5	ND	2	15	.4	2	2	19	.11	.022	20	9	.13	59	.04	2	.93	.01	.08	1	1
L55+50N 49+25E	2	12	11	87	.3	10	5	219	2.69	21	5	ND	3	15	.5	2	2	33	.12	.068	21	20	.31	81	.04	2	2.26	.01	.08	1	2
L55+50N 49+50E	3	9	12	75	.1	9	5	329	2.45	23	5	ND	2	19	.5	2	2	32	.16	.046	20	18	.31	68	.06	2	1.59	.02	.09	1	1
L55+50N 49+75E	5	26	29	96	1.5	12	15	677	2.90	58	5	ND	2	51	.7	2	2	25	.31	.113	40	18	.27	221	.01	2	2.94	.02	.17	1	2
L55+50N 50+00E	2	5	14	49	.3	4	2	150	1.70	14	5	ND	2	15	.3	2	2	27	.10	.041	21	13	.12	69	.04	2	1.06	.02	.06	1	5
L55+50N 50+25E	2	7	13	56	.2	7	3	156	1.50	9	5	ND	2	19	.2	2	2	19	.18	.039	15	13	.24	70	.02	2	1.43	.01	.08	1	3
L55+50N 50+50E	1	7	7	78	.2	9	5	227	2.67	4	5	ND	2	14	.4	2	2	42	.14	.105	13	21	.17	77	.11	2	1.83	.01	.05	1	1
L55+50N 50+75E	2	21	8	108	.6	19	11	413	3.72	18	5	ND	2	41	.5	2	2	40	.32	.138	22	26	.42	216	.01	2	4.06	.02	.13	1	1
L55+50N 51+00E	2	9	9	66	.2	11	5	179	2.50	18	5	ND	3	17	.2	2	2	34	.15	.059	16	20	.26	92	.06	2	2.00	.02	.07	1	1
L55+50N 51+25E	2	7	10	41	.2	8	3	165	1.84	14	5	ND	2	13	.2	2	2	29	.15	.042	17	16	.22	59	.06	2	1.30	.02	.04	1	1
L55+50N 51+50E	10	28	12	149	1.9	25	18	613	5.62	87	5	ND	3	39	.6	2	2	53	.25	.103	21	33	.49	262	.01	2	5.06	.02	.19	1	4
L55+50N 51+75E	6	11	11	82	5.4	12	7	226	2.89	35	5	ND	2	11	.4	2	2	40	.07	.063	16	24	.25	92	.07	2	2.19	.01	.07	1	5
L55+50N 52+00E	2	8	10	67	.3	9	5	212	2.41	11	5	ND	2	18	.4	2	2	36	.17	.036	12	20	.31	70	.10	2	1.57	.02	.06	1	1
L55+50N 52+25E	2	7	11	49	.1	7	3	179	1.88	7	5	ND	2	16	.3	2	2	31	.14	.021	13	16	.26	59	.11	2	1.15	.02	.05	1	1
L55+50N 52+50E	2	7	11	49	.1	7	3	182	1.82	7	5	ND	2	17	.2	2	2	30	.16	.025	14	16	.23	63	.11	2	1.10	.02	.05	1	1
L55+50N 52+75E	3	32	8	115	.6	25	12	328	4.12	11	5	ND	2	47	.7	2	2	39	.39	.102	26	33	.56	320	.01	2	5.47	.03	.15	1	2
L55+50N 53+00E	5	12	6	93	.1	14	13	667	3.28	13	5	ND	2	29	.5	2	2	44	.25	.058	16	24	.39	133	.04	2	2.79	.02	.08	1	1
L55+50N 53+25E	2	9	8	71	.2	15	8	267	3.05	6	5	ND	2	23	.3	2	2	47	.21	.063	10	27	.38	94	.12	2	2.01	.02	.07	1	2
L55+50N 53+50E	2	6	8	60	.1	8	5	256	2.07	7	5	ND	2	20	.4	2	2	33	.20	.047	14	18	.21	77	.08	2	1.23	.02	.07	1	1
L55+50N 53+75E	2	5	8	48	.1	6	3	228	1.92	10	5	ND	2	13	.4	2	2	31	.16	.049	16	16	.17	63	.08	2	1.01	.01	.07	1	1
L55+70N 51+45E	2	9	9	67	.3	10	5	265	2.39	10	5	ND	2	23	.4	2	2	33	.19	.051	13	16	.32	81	.04	2	1.77	.02	.08	1	1

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L55+70N 51+55E	1	7	11	47	.3	5	3	159	1.47	7	5	ND	2	14	.2	2	2	24	.12	.021	14	14	.17	53	.07	2	1.03	.01	.05	1	2
L55+70N 51+65E	2	7	12	51	.3	6	3	182	1.81	16	5	ND	2	17	.2	2	2	27	.17	.047	18	15	.19	67	.05	2	1.17	.01	.07	1	1
L55+70N 51+75E	1	5	10	39	.4	6	3	149	1.28	7	5	ND	2	15	.2	2	2	20	.15	.024	15	14	.19	49	.06	2	.99	.01	.07	1	1
L55+70N 51+85E	2	5	10	40	.2	4	2	275	1.38	8	5	ND	2	14	.2	2	2	24	.14	.038	14	13	.12	53	.07	2	.92	.01	.06	1	1
L56+00N 48+00E	1	6	11	44	.1	6	3	168	1.40	7	5	ND	2	13	.2	2	2	20	.13	.031	16	13	.20	57	.05	2	1.20	.01	.06	1	1
L56+00N 48+25E	3	7	11	58	.2	8	4	194	2.25	22	5	ND	3	13	.2	2	2	34	.14	.058	19	17	.24	54	.06	2	1.41	.02	.06	1	1
L56+00N 48+50E	2	8	12	47	.2	8	4	197	2.09	20	5	ND	3	16	.2	2	2	33	.18	.040	18	17	.27	57	.07	2	1.29	.02	.06	1	2
L56+00N 48+75E	2	6	10	50	.3	7	4	194	1.90	15	5	ND	2	13	.2	2	2	31	.14	.041	17	15	.23	64	.08	2	1.14	.01	.05	1	1
L56+00N 49+00E	3	5	15	37	.4	4	2	124	1.36	17	5	ND	2	14	.2	2	2	21	.12	.022	19	9	.16	57	.04	2	.95	.01	.07	1	1
L56+00N 49+25E	3	6	14	57	.2	5	3	222	1.95	22	5	ND	2	16	.2	2	2	30	.14	.034	18	13	.17	63	.04	2	1.15	.01	.07	1	1
L56+00N 49+50E	5	13	18	83	.6	7	4	157	3.17	71	5	ND	4	19	.2	3	2	36	.06	.088	27	17	.21	114	.02	2	2.13	.01	.10	1	2
L56+00N 49+75E	5	13	16	108	.7	11	10	609	3.62	67	5	ND	2	29	.2	3	2	42	.17	.087	23	16	.30	147	.01	2	2.56	.01	.14	1	1
L56+00N 50+00E	2	7	15	116	.5	8	5	419	2.35	36	5	ND	3	15	.2	2	2	31	.09	.054	22	15	.19	102	.02	2	1.83	.01	.09	1	1
L56+00N 50+25E	2	5	13	66	.1	5	3	151	1.67	14	5	ND	2	14	.2	2	2	26	.12	.046	21	12	.16	56	.05	2	1.01	.01	.05	1	1
L56+00N 50+50E	3	11	13	70	.1	10	5	186	2.63	26	5	ND	2	19	.2	2	2	31	.14	.049	21	17	.34	70	.02	2	2.01	.01	.10	1	1
L56+00N 50+75E	4	13	7	89	.3	10	9	1043	2.54	16	5	ND	2	28	.2	2	2	29	.21	.070	25	18	.25	112	.01	2	2.15	.01	.09	1	1
L56+00N 51+00E	2	7	12	75	.1	10	4	166	2.16	18	5	ND	2	16	.2	2	2	30	.16	.053	20	17	.25	86	.03	2	1.87	.02	.08	1	1
L56+00N 51+25E	2	7	14	53	.1	8	3	163	1.59	12	5	ND	2	16	.2	2	2	24	.14	.021	16	14	.28	67	.06	2	1.41	.01	.07	1	1
L56+00N 51+50E	3	9	12	66	.3	11	5	199	2.46	24	5	ND	2	18	.2	2	2	34	.16	.059	18	18	.29	83	.05	2	1.74	.02	.07	1	1
L56+00N 51+75E	1	8	11	53	.3	9	4	169	2.04	15	5	ND	2	18	.2	2	2	29	.14	.031	16	16	.28	68	.05	2	1.67	.01	.06	1	1
L56+00N 52+00E	2	8	11	52	.7	9	4	206	1.90	18	5	ND	2	25	.2	2	2	29	.24	.045	21	17	.26	75	.07	2	1.14	.02	.08	1	1
L56+00N 52+25E	1	4	11	28	.2	4	2	106	1.07	7	5	ND	2	11	.2	2	2	20	.12	.018	15	11	.10	41	.08	2	.74	.01	.04	1	1
L56+00N 52+50E	3	9	10	97	.1	15	6	253	2.95	15	5	ND	2	15	.2	2	2	40	.15	.095	14	23	.27	97	.06	2	2.50	.01	.06	1	1
L56+00N 52+75E	2	7	10	48	.2	10	5	208	2.05	6	5	ND	2	20	.2	2	2	33	.20	.031	11	17	.35	71	.12	2	1.43	.02	.06	1	1
L56+00N 53+00E	4	21	6	89	.1	19	11	346	3.47	11	5	ND	2	37	.2	2	2	41	.30	.069	19	25	.49	194	.04	2	3.43	.02	.10	1	1
L56+00N 53+25E	5	15	5	87	.3	19	14	681	3.46	11	5	ND	2	36	.2	2	2	47	.32	.074	13	24	.57	152	.04	2	3.23	.02	.10	1	1
L56+00N 53+50E	2	8	7	92	.1	15	7	187	2.66	5	5	ND	2	15	.2	2	2	40	.12	.070	12	22	.25	104	.14	2	2.27	.02	.06	1	1
L56+00N 53+75E	2	5	11	41	.1	6	3	152	1.50	7	5	ND	2	22	.2	2	2	27	.22	.030	13	14	.19	72	.12	2	.96	.01	.06	1	1
L56+00N 54+00E	2	7	8	67	.1	13	6	206	2.59	5	5	ND	2	17	.2	2	2	40	.17	.059	10	21	.29	87	.13	2	1.69	.01	.06	1	1
L56+00N 54+25E	1	6	9	53	.1	9	6	334	1.94	6	5	ND	2	21	.2	2	2	32	.19	.037	14	16	.24	73	.10	2	1.20	.02	.05	1	1
L56+00N 54+50E	1	12	8	67	.1	19	10	314	3.18	7	5	ND	2	39	.2	2	2	45	.36	.055	14	22	.50	111	.12	2	1.78	.03	.07	1	1
L56+50N 48+00E	3	9	17	47	.5	8	4	173	1.80	46	5	ND	2	18	.2	2	2	25	.14	.045	18	13	.27	79	.02	2	1.50	.01	.09	1	3
L56+50N 48+50E	2	8	11	56	.1	9	4	164	2.04	15	5	ND	2	15	.2	2	2	28	.14	.046	16	16	.25	77	.03	2	1.71	.01	.06	1	1
L56+50N 48+75E	1	4	11	38	.1	5	2	134	1.30	7	5	ND	2	12	.2	2	2	22	.12	.019	14	12	.19	43	.07	2	1.03	.01	.05	1	6
L56+50N 49+00E	3	6	11	65	.2	8	4	146	2.28	19	5	ND	2	12	.2	2	2	30	.12	.070	16	17	.20	78	.04	2	1.98	.01	.06	1	1

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L56+50N 49+25E	3	7	11	51	.1	6	3	145	1.93	18	5	ND	2	15	.2	2	2	27	.13	.044	17	14	.21	63	.04	2	1.40	.01	.05	1	7
L56+50N 49+50E	3	7	17	63	.3	7	3	168	2.11	25	5	ND	2	20	.2	2	2	30	.13	.034	22	14	.23	83	.04	2	1.13	.01	.07	1	1
L56+50N 50+00E	3	7	13	164	.2	7	4	206	2.66	24	5	ND	2	15	.2	2	2	31	.10	.125	23	17	.16	86	.02	2	2.44	.01	.06	1	1
L56+50N 50+25E	2	5	11	45	.1	5	2	135	1.60	9	5	ND	2	13	.2	2	2	25	.14	.039	18	12	.18	47	.06	2	1.12	.01	.05	1	1
L56+50N 50+50E	1	4	13	29	.1	4	2	117	1.08	8	5	ND	2	14	.2	2	2	20	.12	.013	18	10	.17	46	.07	2	.87	.01	.06	1	1
L56+50N 50+75E	1	5	11	43	.1	7	3	160	1.43	7	5	ND	2	16	.2	2	2	24	.16	.023	17	12	.26	55	.08	2	1.14	.02	.05	1	5
L56+50N 51+00E	1	6	8	61	.1	9	3	169	1.73	4	5	ND	2	15	.2	2	2	28	.15	.029	11	14	.24	59	.10	2	1.37	.02	.05	1	1
L56+50N 51+25E	1	7	9	53	.2	11	5	205	2.17	6	5	ND	3	20	.2	2	2	36	.21	.037	14	17	.31	70	.12	2	1.62	.02	.06	1	1
L56+50N 51+50E	2	7	12	50	.1	7	3	145	1.73	14	5	ND	2	17	.2	2	2	27	.15	.031	19	13	.22	61	.04	2	1.43	.02	.07	1	1
L56+50N 51+75E	2	6	10	53	.1	8	3	187	1.86	13	5	ND	2	15	.2	2	2	29	.15	.030	18	14	.25	57	.06	2	1.30	.02	.06	1	2
L56+50N 52+00E	4	5	13	76	.1	8	4	190	2.46	28	5	ND	3	17	.2	2	2	31	.14	.102	20	15	.17	119	.03	2	1.98	.01	.08	1	1
L56+50N 52+25E	1	5	11	41	.1	7	3	166	1.49	9	5	ND	2	15	.2	2	2	24	.15	.027	18	12	.24	63	.07	2	1.18	.02	.06	1	1
L56+50N 52+50E	1	6	9	45	.1	8	3	163	1.64	10	5	ND	2	13	.2	2	2	26	.14	.031	15	14	.25	62	.07	2	1.42	.02	.05	1	1
L56+50N 52+75E	2	5	8	41	.1	8	3	162	1.62	9	5	ND	2	15	.2	2	2	26	.17	.034	14	13	.24	64	.07	2	1.27	.02	.06	1	1
L56+50N 53+00E	1	5	11	42	.2	6	2	146	1.37	7	5	ND	3	13	.2	2	2	25	.14	.019	15	12	.18	48	.09	2	.91	.02	.05	1	1
L56+50N 53+25E	2	7	9	50	.2	9	4	178	1.89	12	5	ND	2	17	.2	2	2	29	.20	.040	17	16	.29	70	.07	2	1.38	.02	.07	1	2
L56+50N 53+50E	4	7	9	67	.1	12	8	319	2.82	22	5	ND	3	15	.2	2	2	39	.12	.083	15	18	.20	82	.06	2	1.81	.02	.06	1	3
L56+50N 53+75E	2	6	12	50	.3	8	4	168	1.78	11	5	ND	2	17	.2	2	2	29	.18	.032	17	15	.25	71	.07	2	1.38	.02	.06	1	2
L56+50N 54+00E	3	7	13	47	.2	9	4	155	1.57	8	5	ND	2	17	.2	2	2	24	.16	.026	15	15	.30	72	.07	2	1.46	.02	.07	1	5
L56+50N 54+25E	2	5	12	28	.2	6	2	104	1.03	6	5	ND	2	15	.2	2	2	16	.12	.019	16	11	.17	58	.05	2	1.09	.02	.06	1	4
L56+50N 54+50E	2	5	11	56	.1	7	3	141	1.71	5	5	ND	2	16	.2	2	2	29	.13	.040	15	13	.17	87	.10	2	1.18	.02	.05	1	1
L56+50N 54+75E	1	4	11	21	.2	5	2	94	1.10	6	5	ND	2	14	.2	2	2	23	.11	.015	13	11	.14	61	.06	2	1.19	.02	.05	1	1
L56+50N 55+00E	1	7	9	49	.2	10	4	176	1.50	3	5	ND	3	17	.3	2	2	24	.18	.028	14	14	.23	86	.10	2	1.44	.02	.05	1	1
L56+50N 55+25E	2	5	11	54	.1	8	3	179	1.85	9	5	ND	2	12	.2	2	2	31	.11	.057	13	15	.18	60	.08	2	1.43	.02	.06	1	1
L56+50N 55+50E	2	8	8	70	.2	15	7	266	2.90	10	5	ND	3	17	.2	2	2	44	.15	.071	14	19	.29	120	.08	2	2.20	.02	.06	1	1
L56+50N 55+75E	2	9	7	92	.2	15	7	221	2.74	9	5	ND	3	18	.2	2	2	41	.18	.063	11	19	.30	112	.08	2	2.31	.02	.07	1	1
L56+50N 56+00E	2	7	10	63	.1	11	5	189	2.30	12	5	ND	2	18	.2	2	2	38	.18	.047	13	18	.23	79	.11	2	1.38	.02	.07	1	6
L56+50N 56+25E	2	7	8	69	.2	11	5	203	2.46	17	5	ND	3	23	.2	2	2	40	.22	.047	15	18	.28	77	.10	2	1.31	.02	.08	1	3
L56+50N 56+50E	1	11	6	50	.2	15	7	242	2.71	7	5	ND	3	28	.2	2	2	46	.23	.055	12	21	.36	178	.15	2	1.96	.02	.05	1	1
L56+50N 56+75E	2	9	8	61	.2	13	5	178	2.28	4	5	ND	3	19	.2	2	2	37	.14	.054	15	19	.28	114	.11	2	2.30	.02	.05	1	1
L56+50N 57+00E	1	10	6	68	.1	15	6	194	2.68	5	5	ND	2	21	.2	2	2	41	.17	.056	11	22	.34	136	.12	2	2.39	.02	.05	1	9
L56+50N 57+25E	1	12	5	100	.1	22	9	259	3.20	4	5	ND	3	19	.2	2	2	49	.15	.089	12	23	.33	125	.16	2	2.28	.02	.06	1	1
L56+50N 57+50E	1	10	6	58	.2	12	6	294	2.21	4	5	ND	3	48	.2	2	2	38	.38	.050	16	20	.41	116	.14	2	1.52	.04	.06	1	2
L57+00N 47+25E	6	6	21	97	1.1	7	4	465	3.34	135	5	ND	3	19	.2	3	2	37	.11	.110	20	16	.16	155	.03	2	1.71	.01	.14	1	1
L57+00N 47+75E	3	5	15	34	.3	5	2	174	1.54	35	5	ND	2	15	.2	2	2	30	.11	.028	17	12	.13	57	.05	2	.87	.01	.06	1	2

ELEMENT	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
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L57+00N 48+25E	1	5	11	35	.2	6	3	139	1.29	11	5	ND	2	19	.2	2	2	22	.14	.021	19	12	.21	52	.06	2	.93	.02	.07	1	3
L57+00N 48+75E	2	12	8	61	.3	11	5	193	2.11	12	5	ND	2	19	.2	2	2	25	.15	.064	17	16	.25	102	.02	2	2.09	.02	.11	1	4
L57+00N 49+25E	2	11	11	71	.1	11	5	166	2.28	14	5	ND	2	18	.2	2	2	31	.14	.055	17	18	.28	97	.02	2	2.41	.02	.11	1	3
L57+00N 49+75E	3	7	8	58	.3	11	5	174	2.28	18	5	ND	3	13	.2	2	2	33	.11	.059	16	18	.22	89	.06	2	1.94	.02	.06	1	3
L57+00N 50+00E	2	5	11	74	.5	6	3	137	2.04	13	5	ND	2	15	.2	2	2	30	.14	.101	14	14	.15	66	.06	2	1.48	.02	.07	1	12
L57+00N 50+25E	4	6	15	37	.4	5	2	124	1.50	19	5	ND	2	19	.2	2	2	25	.12	.020	23	11	.16	73	.05	2	.82	.01	.07	1	1
L57+00N 50+75E	2	3	11	22	.2	2	1	79	.64	7	5	ND	2	16	.2	2	2	13	.07	.016	25	6	.05	54	.03	2	.71	.01	.05	1	1
L57+00N 51+25E	2	5	12	48	.2	6	3	149	1.44	7	5	ND	2	17	.2	2	2	25	.15	.021	15	13	.19	63	.07	2	1.02	.02	.05	1	1
L57+00N 51+75E	2	6	11	63	.3	7	4	194	2.14	19	5	ND	3	15	.2	2	2	34	.13	.043	18	14	.21	58	.05	2	1.33	.02	.06	1	1
L57+00N 52+25E	3	7	12	47	.2	7	3	164	1.74	15	5	ND	2	14	.2	2	2	28	.12	.030	17	12	.23	62	.03	2	1.31	.02	.08	1	1
L57+00N 52+75E	2	6	7	52	.2	13	6	175	2.92	5	5	ND	3	14	.2	2	2	46	.14	.105	11	21	.20	77	.12	2	2.00	.01	.06	1	1
L57+00N 53+25E	3	7	11	43	.4	9	4	162	2.30	18	5	ND	4	15	.2	2	2	34	.14	.057	16	16	.24	75	.05	2	1.54	.02	.07	1	13
L57+00N 53+75E	2	5	12	37	.2	6	3	129	1.44	8	5	ND	3	13	.2	2	2	22	.13	.032	17	13	.17	59	.05	2	1.25	.02	.05	1	1
L57+00N 54+25E	2	9	9	50	.3	10	5	237	2.21	10	5	ND	3	18	.2	2	2	31	.19	.042	18	17	.34	68	.07	2	1.41	.02	.08	1	1
L57+00N 54+75E	3	13	10	49	.3	10	5	172	2.11	10	5	ND	2	26	.2	2	2	25	.20	.056	18	16	.30	123	.02	2	1.89	.02	.09	1	1
L57+00N 55+25E	2	8	10	51	.2	9	4	170	2.26	16	5	ND	2	16	.2	2	2	36	.14	.066	15	16	.25	63	.05	2	1.30	.02	.07	1	3
L57+00N 55+75E	1	4	11	24	.2	4	1	116	1.05	2	5	ND	2	11	.2	2	2	23	.10	.027	11	11	.11	47	.13	2	.65	.01	.03	1	1
L57+00N 56+25E	2	7	9	56	.1	11	5	174	2.42	10	5	ND	2	18	.2	2	2	36	.16	.054	14	18	.22	92	.07	2	1.82	.02	.08	1	2
L57+00N 56+75E	2	4	10	51	.2	5	2	208	1.71	13	5	ND	2	9	.2	2	2	29	.09	.041	13	12	.10	56	.06	2	.89	.01	.06	1	1
L57+00N 57+25E	1	10	7	93	.2	15	6	263	3.18	4	5	ND	2	13	.2	2	2	44	.15	.119	10	20	.28	86	.10	2	2.27	.02	.05	1	1

Samples with ✓ mark are prepared -35 mesh and pulverized

PIONEER LABORATORIES 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TEL.(604)522-3830

G E O C H E M I C A L A N A L Y S I S C E R T I F I C A T E

Hg Analysis by Cold Vapour/AA.

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

Analyst R Sam
Report No. 9310530
Date: July 06, 1993

SAMPLE	Hg ppb
L52+00N 50+00E	10
L52+00N 50+25E	10
L52+00N 50+50E	10
L52+00N 50+75E	10
L52+00N 51+00E	10
L52+00N 51+25E	10
L52+00N 51+50E	10
L52+50N 48+00E	10
L52+50N 48+25E	10
L52+50N 48+75E	30
L52+50N 49+00E	10
L52+50N 49+25E	10
L52+50N 49+50E	10
L52+50N 49+75E	10
L52+50N 50+00E	10
L52+50N 50+25E	10
L52+50N 50+50E	10
L52+50N 50+75E	10
L52+50N 51+00E	30
L52+50N 51+25E	10
L52+50N 51+50E	30
L52+50N 51+75E	10
L52+50N 52+00E	10
L52+50N 52+25E	10
L52+50N 52+50E	10
L52+50N 52+75E	10
L52+50N 53+00E	10
L52+50N 53+25E	10
L52+50N 53+50E	10
L52+50N 53+75E	10
L52+50N 54+00E	10
L52+50N 54+25E	10
L52+50n 54+75E	10
L52+50N 55+00E	10
L52+50N 55+25E	40

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L52+50N 55+50E	10
L52+50N 55+75E	10
L52+50N 56+25E	10
L52+50N 56+50E	10
L52+50N 56+75E	10
L52+50N 57+00E	10
L52+50N 57+25E	10
L52+50N 57+50E	10
L53+00N 50+00E	10
L53+00N 50+25E	10
L53+00N 50+50E	10
L53+00N 50+75E	10
L53+00N 51+00E	10
L53+00N 51+25E	30
L53+00N 51+50E	10
L53+00N 51+75E	10
L53+00N 52+00E	10
L53+00N 52+25E	10
L53+00N 52+50E	10
L53+00N 52+75E	10
L53+00N 53+00E	40
L53+00N 53+25E	10
L53+00N 53+50E	10
L53+00N 53+75E	10
L53+00N 54+00E	10
L53+00N 54+25E	10
L53+00N 54+50E	10
L53+00N 54+75E	10
L53+00N 55+00E	10
L53+00N 55+25E	10
L53+00N 55+50E	10
L53+00N 55+75E	10
L53+00N 56+00E	10
L53+00N 56+25E	10
L53+00N 56+50E	10

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L53+00N 56+75E	10
L53+00N 57+00E	10
L53+00N 57+25E	10
L53+00N 57+50E	10
L53+50N 49+75E	10
L53+50N 50+00E	10
L53+50N 50+50E	10
L53+50N 50+75E	10
L53+50N 51+25E	20
L53+50N 51+50E	10
L53+50N 51+75E	10
L53+50N 52+00E	10
L53+50N 52+25E	10
L53+50N 52+50E	20
L53+50N 52+75E	10
L53+50N 53+00E	10
L53+50N 53+25E	20
L53+50N 53+50E	10
L53+50N 53+75E	10
L53+50N 54+00E	10
L53+50N 54+25E	20
L53+50N 54+50E	10
L53+50N 54+75E	10
L53+50N 55+00E	20
L53+50N 55+25E	20
L53+50N 55+50E	10
L53+50N 55+75E	10
L53+50N 56+00E	10
L53+50N 56+25E	10
L53+50N 56+50E	10
L53+50N 56+75E	10
L53+50N 57+00E	10
L53+50N 57+25E	10
L53+50N 57+50E	20
L54+00N 50+25E	20

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L54+00N 50+50E	20
L54+00N 50+75E	20
L54+00N 52+00E	10
L54+00N 52+25E	10
L54+00N 52+75E	10
L54+00N 53+25E	10
L54+00N 53+75E	10
L54+00N 54+25E	20
L54+00N 54+75E	10
L54+00N 55+25E	20
L54+00N 55+75E	10
L54+00N 56+25E	10
L54+00N 56+75E	10
L54+00N 57+25E	10
L54+50N 50+00E	10
L54+50N 50+25E	10
L54+50N 50+50E	10
L54+50N 50+75E	10
L54+50N 51+00E	10
L54+50N 51+25E	10
L54+50N 51+50E	10
L54+50N 51+75E	10
L54+50N 52+00E	10
L54+50N 52+25E	10
L54+50N 52+50E	10
L55+00N 48+00E	10
L55+00N 48+25E	10
L55+00N 48+50E	10
L55+00N 48+75E	10
L55+00N 49+00E	10
L55+00N 49+25E	10
L55+00N 49+50E	10
L55+00N 49+75E	10
L55+00N 50+00E	10
L55+32N 51+35E	10

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L55+32N 51+45E	30
L55+32N 51+55E	20
L55+32N 51+65E	60
L55+32N 51+75E	30
L55+32N 51+85E	20
L55+50N 48+00E	30
L55+50N 48+25E	20
L55+50N 48+50E	30
L55+50N 48+75E	10
L55+50N 49+00E	10
L55+50N 49+25E	10
L55+50N 49+50E	20
L55+50N 49+75E	70
L55+50N 50+00E	20
L55+50N 50+25E	20
L55+50N 50+50E	20
L55+50N 50+75E	30
L55+50N 51+00E	10
L55+50N 51+25E	10
L55+50N 51+50E	30
L55+50N 51+75E	60
L55+50N 52+00E	20
L55+50N 52+25E	10
L55+50N 52+50E	10
L55+50N 52+75E	30
L55+50N 53+00E	30
L55+50N 53+25E	10
L55+50N 53+50E	20
L55+50N 53+75E	10
L55+70N 51+45E	20
L55+70N 51+55E	20
L55+70N 51+65E	10
L55+70N 51+75E	10
L55+70N 51+85E	10
L56+00N 48+00E	10

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L56+00N 48+25E	10
L56+00N 48+50E	10
L56+00N 48+75E	20
L56+00N 49+00E	10
L56+00N 49+25E	20
L56+00N 49+50E	30
L56+00N 49+75E	10
L56+00N 50+00E	10
L56+00N 50+25E	10
L56+00N 50+50E	10
L56+00N 50+75E	10
L56+00N 51+00E	10
L56+00N 51+25E	10
L56+00N 51+50E	10
L56+00N 51+75E	50
L56+00N 52+00E	10
L56+00N 52+25E	10
L56+00N 52+50E	10
L56+00N 52+75E	10
L56+00N 53+00E	10
L56+00N 53+25E	10
L56+00N 53+50E	10
L56+00N 53+75E	10
L56+00N 54+00E	10
L56+00N 54+25E	10
L56+00N 54+50E	10
L56+50N 48+00E	10
L56+50N 48+50E	10
L56+50N 48+75E	10
L56+50N 49+00E	10
L56+50N 49+25E	10
L56+50N 49+50E	10
L56+50N 50+00E	10
L56+50N 50+25E	10
L56+50N 50+50E	10

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L56+50N 50+75E	10
L56+50N 51+00E	10
L56+50N 51+25E	10
L56+50N 51+50E	10
L56+50N 51+75E	10
L56+50N 52+00E	10
L56+50N 52+25E	10
L56+50N 52+50E	10
L56+50N 52+75E	10
L56+50N 53+00E	10
L56+50N 53+25E	10
L56+50N 53+50E	10
L56+50N 53+75E	10
L56+50N 54+00E	10
L56+50N 54+25E	10
L56+50N 54+50E	10
L56+50N 54+75E	10
L56+50N 55+00E	30
L56+50N 55+25E	10
L56+50N 55+50E	10
L56+50N 55+75E	10
L56+50N 56+00E	10
L56+50N 56+25E	10
L56+50N 56+50E	10
L56+50N 56+75E	10
L56+50N 57+00E	10
L56+50N 57+25E	10
L56+50N 57+50E	10
L57+00N 47+25E	10
L57+00N 47+75E	10
L57+00N 48+25E	10
L57+00N 48+75E	10
L57+00N 49+25E	10
L57+00N 49+75E	10
L57+00N 50+00E	10

HUDSON BAY EXPLORATION
Project:
Sample Type: Soils

SAMPLE	Hg ppb
L57+00N 50+25E	10
L57+00N 50+75E	10
L57+00N 51+25E	10
L57+00N 51+75E	10
L57+00N 52+25E	10
L57+00N 52+75E	10
L57+00N 53+25E	10
L57+00N 53+75E	10
L57+00N 54+25E	10
L57+00N 54+75E	10
L57+00N 55+25E	10
L57+00N 55+75E	10
L57+00N 56+25E	10
L57+00N 56+75E	10
L57+00N 57+25E	10

45+00E

50+00E

55+00E

60+00E

60+00N

55+00N

50+00N

45+00N

LOON 5P

LOON 4P

LOON 3P

LOON 2

BOOT LAKE

TR 88-5

TR 88-4

TR 93-1

TR 88-6

TR 89-9

TR 88-7, 89-8

TR 88-1

TR 89-3

TR 88-2, 89-11

TR 89-10

CAMP

LEGEND

OUTCROP

SWAMP

TRENCH

SAMPLE SITE, Au (ppb) 1993 / PREV. ASSAY (IF REPEATED)

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,977

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD.

LOON CLAIMS

GOLD GEOCHEMISTRY

0 50 100 200

METRES

OMINECA M.D.

NTS: 93F/12

SCALE 1:5000	DATE: JULY '93
DRAWN: P. R.	FIGURE NO. 4

45+00E

50+00E

55+00E

60+00E

60+00N

55+00N

50+00N

45+00N

LOON 5P

LOON 4P

LOON 3P

LOON 2

BOOT LAKE

CAMP

TR 88-5

TR 88-4

TR 88-6

TR 89-9

TR 88-7, 89-8

TR 89-3

TR 88-1

TR 88-2, 89-11

TR 89-10

LEGEND

OUTCROP

SWAMP

TRENCH

SAMPLE SITE, As (ppm)

10ppm CONTOUR

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,977

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD.

LOON CLAIMS

ARSENIC GEOCHEMISTRY

0 50 100 200
METRES

OMINECA M.D.

NTS: 93F/12

SCALE 1:5000

DATE: JULY '93

DRAWN: P. R.

FIGURE NO. 5

45†00E

50†00E

55†00E

60†00E

60†00N

55†00N

50†00N

45†00N

LOON 5P

LOON 4P

LOON 3P

LOON 2

BOOT LAKE

TR 88-5

TR 88-4

TR 93-1

TR88-6

TR 89-9

TR 88-7, 89-8

TR 88-3

TR 88-1

TR 88-2, 89-11

TR 89-10

CAMP

LEGEND

OUTCROP

SWAMP

TRENCH

SAMPLE SITE, RESISTIVITY (OHM-M)

INSTRUMENT: GEONICS EM16-R

100 OHM-M CONTOUR

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,977

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD.

LOON CLAIMS

RESISTIVITY SURVEY

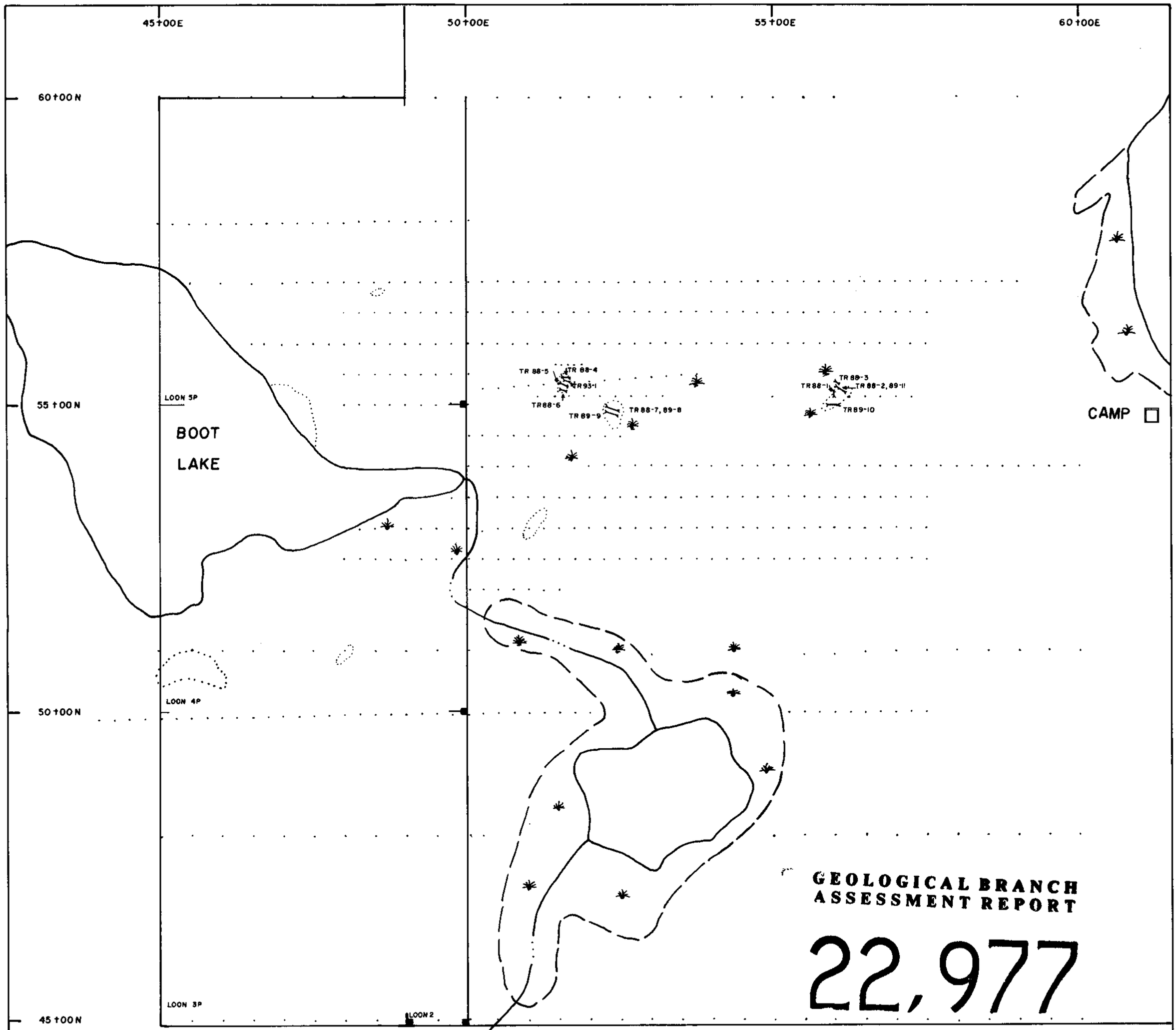
0 50 100 200

METRES

OMINECA M.D.

NTS: 93F/12

SCALE 1:5000	DATE: JULY '93
DRAWN: P. R.	FIGURE NO. 6



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,977

SAMPLE NO.	LOCATION	TYPE	Au (ppb)	Ag (ppm)
LOON ROCK 1	TR 89-9	CHIP, 4m	56	1.50
LOON ROCK RX2	TR 89-9	CHIP, 4m	53	0.90
LOON ROCK 3	TR 89-9	CHIP, 4m	38	1.00
LOON ROCK 4	TR 89-9	CHIP, 4m	40	0.60
LOON ROCK 5	53+00N, 1+00E	GRAB	36	1.10
LOON ROCK 6	52+80N, 1+00E	CHIP, 3m	110	1.20
LOON ROCK 7	TR 88-4	CHIP, 2.3m	560	6.70
LOON ROCK 8	TR 88-4	CHIP, 1.5m	51	0.90
LOON ROCK 9	TR 93-1	CHIP, 1.3m	95	4.20
LOON ROCK 10	TR 93-1	CHIP, 1.4m	22	1.10
LOON ROCK 11	TR 93-1	CHIP, 1.2m	38	1.30
LOON ROCK 12	TR 93-1	CHIP, 1.3m	120	2.00
LOON PYRITE	TR 88-4	GRAB	1520	9.30

LEGEND

- OUTCROP
- SWAMP
- TRENCH
- SAMPLE SITE

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD.

LOON CLAIMS

TRENCH LOCATIONS

0 50 100 200
METRES

OMINECA M.D. NTS: 93F/12

SCALE 1:5000 | DATE: JULY '93

DRAWN: P. R. | FIGURE NO. 7