BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2001/2002
REPORT #:	PAP 01-2
NAME:	ARND BURGERT

Final Report

Prospector's Assistance Grant No. 01/02- P4

Lorax Property/Sunshine Coast Regional

Submitted By:
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D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name Arnd Burgert Reference Number 01/02 P4

LOCATION/COMMODITIES

Project Area (as listed in Part A) Lorax / Sunshine Coast MINFILE No. if applicable n.a.

Location of Project Area NTS 10U 407200E 5559500N Lat 50° 11' N Long 124° 18' W

Description of Location and Access From Powell River, take Hwy 101 and Goat Lake Mainline; thence on foot.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

n.a.

Main Commodities Searched For Zn, Cu, Ag, Au, Co

Known Mineral Occurrences in Project Area Mt. Diadem ; Hummingbird

WORK PERFORMED

1. Conventional Prospecting (area) 100 ha
2. Geological Mapping (hectares/scale) 100 ha ; 1:5000
3. Geochemical (type and no. of samples) 90 soil + silt ; 12 rocks
4. Geophysical (type and line km)
5. Physical Work (type and amount) Shallow hand trenching over showing
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name Lorax Commodities Zn, Cu, Ag, Au, Co

Location (show on map) Lat. 50° 11' N Long 124° 18' W Elevation 5350'

Best assay/sample type Zn 12.25% / 0.5m ; Cu 9950 ppm / 0.4m ; Ag 211 g/t / 0.3m ; Au 2590 ppb / 0.3m ; Pb 1.9% / 0.3m

Description of mineralization, host rocks, anomalies A stacked, en echelon series of massive sulphide lenses appears to be VMS mineralization. The longest lens measures 10m long x 1 m wide. The sulphides exhibit bedding and are capped by a felsic, baritic tuff and carbonaceous, sulphidic shale. Mineralization is hosted by Grambier Group metamorphics at mafic flow / sediment interface.

FEEDBACK: comments and suggestions for Prospector Assistance Program I'm pleased with the way the program is administered. Forcing participants to define their exploration goals and reporting to follow up on them ensures accountability. The program is a good investment in the future of BC's mining industry.

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential subject to the provisions of the *Freedom of Information Act*.

Name Arnd Burgert Reference Number 01/02 -P4

LOCATION/COMMODITIES Please see enclosed reports

Project Area (as listed in Part A) _____ MINFILE No. if applicable _____

Location of Project Area NTS _____ Lat _____ Long _____

Description of Location and Access _____

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For _____

Known Mineral Occurrences in Project Area _____

WORK PERFORMED

1. Conventional Prospecting (area) _____
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) _____
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) _____
6. Drilling (no. holes, size, depth in m, total m) _____
7. Other (specify) _____

Best Discovery

Project/Claim Name _____ Commodities _____

Location (show on map) Lat. _____ Long _____ Elevation _____

Best assay/sample type _____

Description of mineralization, host rocks, anomalies _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

Introduction:

The purpose of this exploration program was to follow up on targets on the Sunshine Coast, north of Powell River (Figure 1), which had been identified by prospecting conducted during 1998 and 1999. Exploration has focussed on volcanogenic massive sulphide (VMS) mineralization potential in metamorphic roof pendants of lower Cretaceous Gambier Group rocks, which are known to host numerous VMS occurrences in southwestern BC. The primary target during 2001 was the Lorax mineral group located 40km north of Powell River. A small proportion of work was also carried out on three other targets in the region, all of which are located in Gambier pendants. One of these targets is the Old Ironsides 2 claim, and the remaining two are reconnaissance stage targets that are referred to in this report as Targets C and D. Locations for all targets are indicated on Figure 2, while Gambier Group pendants can be seen on Figure 3. Favourable results were obtained from two of the four targets, and each is described in turn.

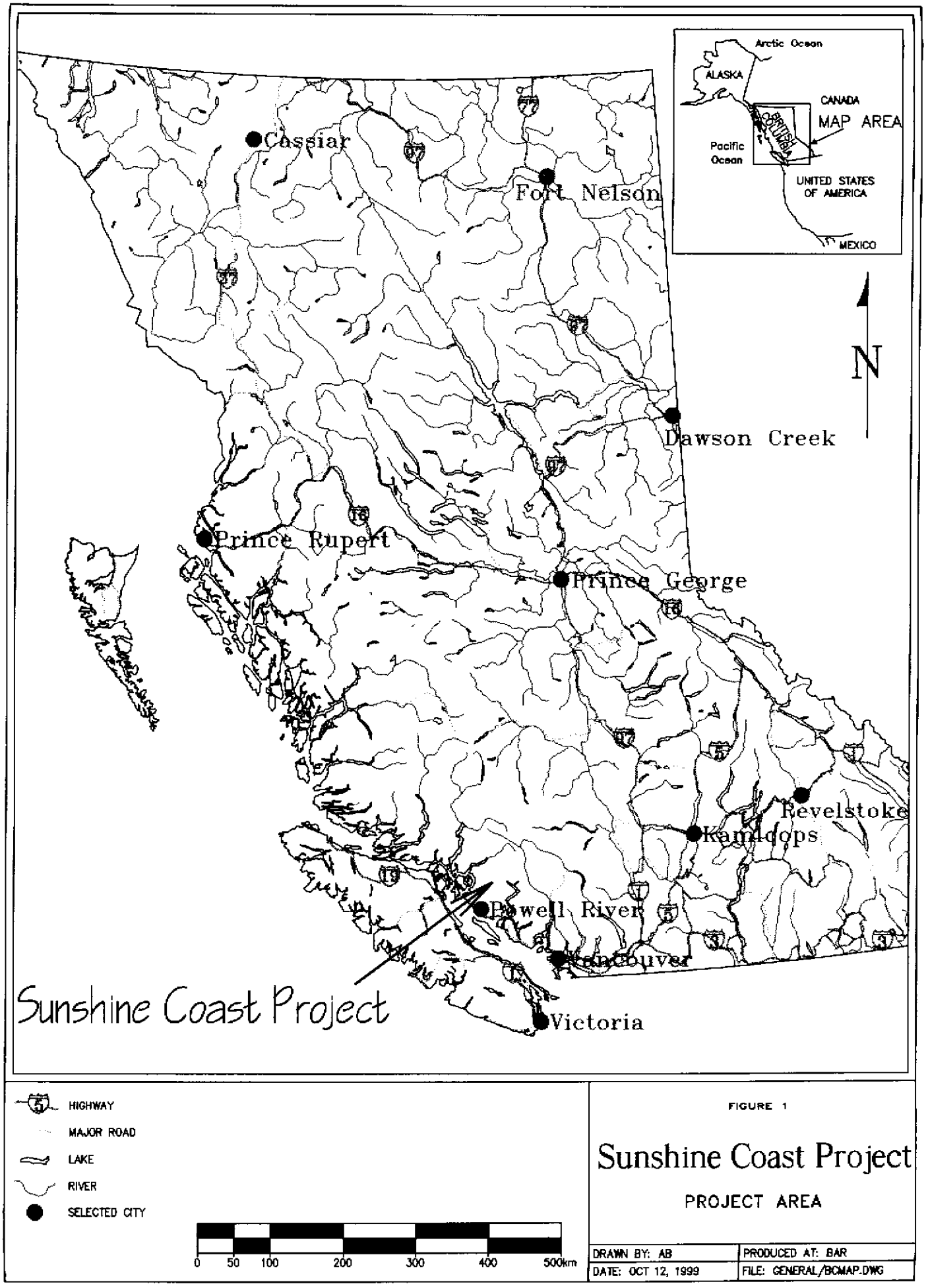
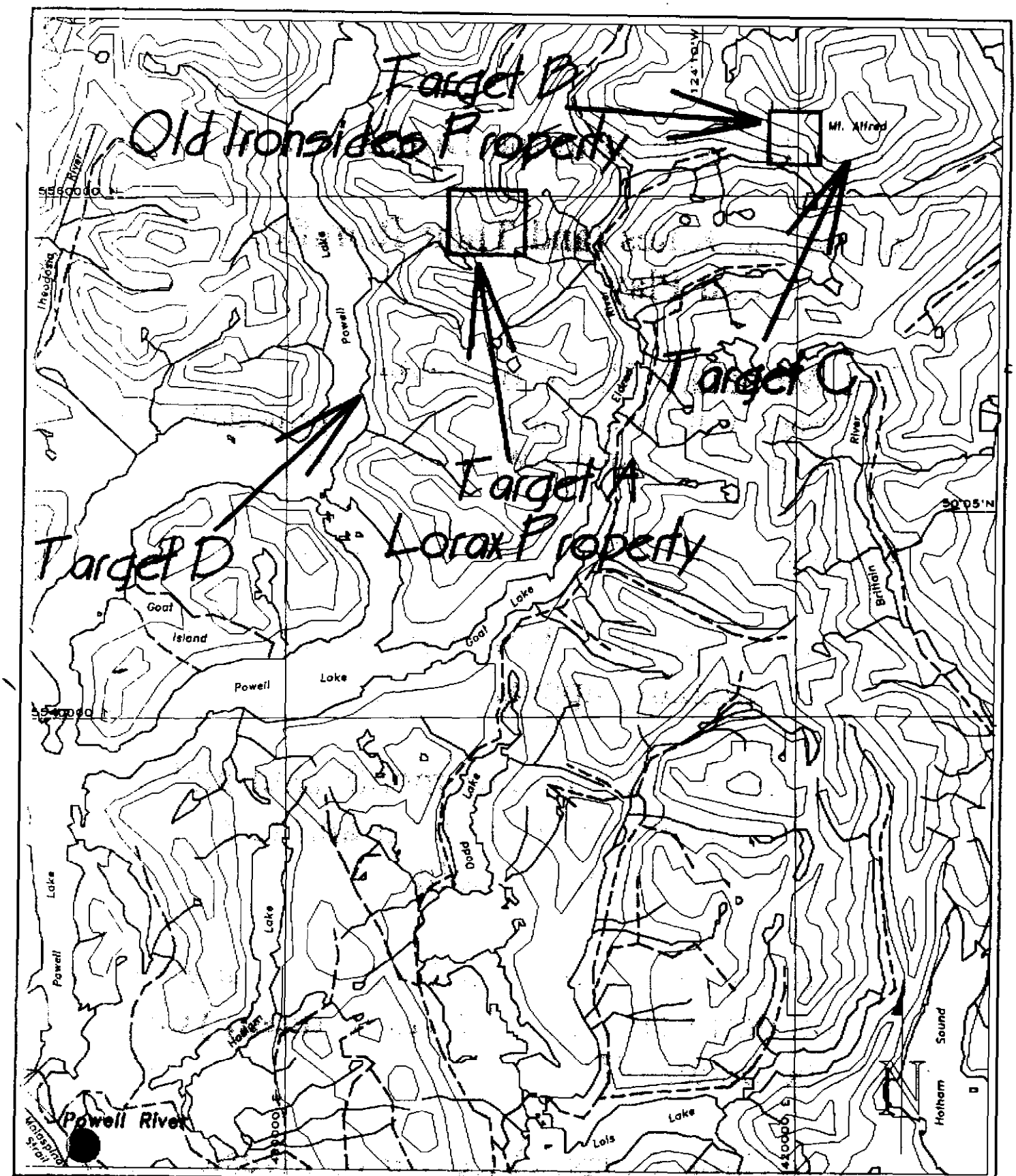


FIGURE 1

Sunshine Coast Project

PROJECT AREA

DRAWN BY: AB	PRODUCED AT: BAR
DATE: OCT 12, 1999	FILE: GENERAL/BCMAP.DWG



ROAD, HIGHWAY

XXX

LAKE

RIVER, CREEK

LEGAL CORNER POST

0 1 2 4 6 8 10km

FIGURE 2

Sunshine Coast Project

PROJECT LOCATION

DRAWN BY: AB	PRODUCED AT: 1:200,000
DATE: OCT. 15, 2001	FILE: REGMAP.DWG

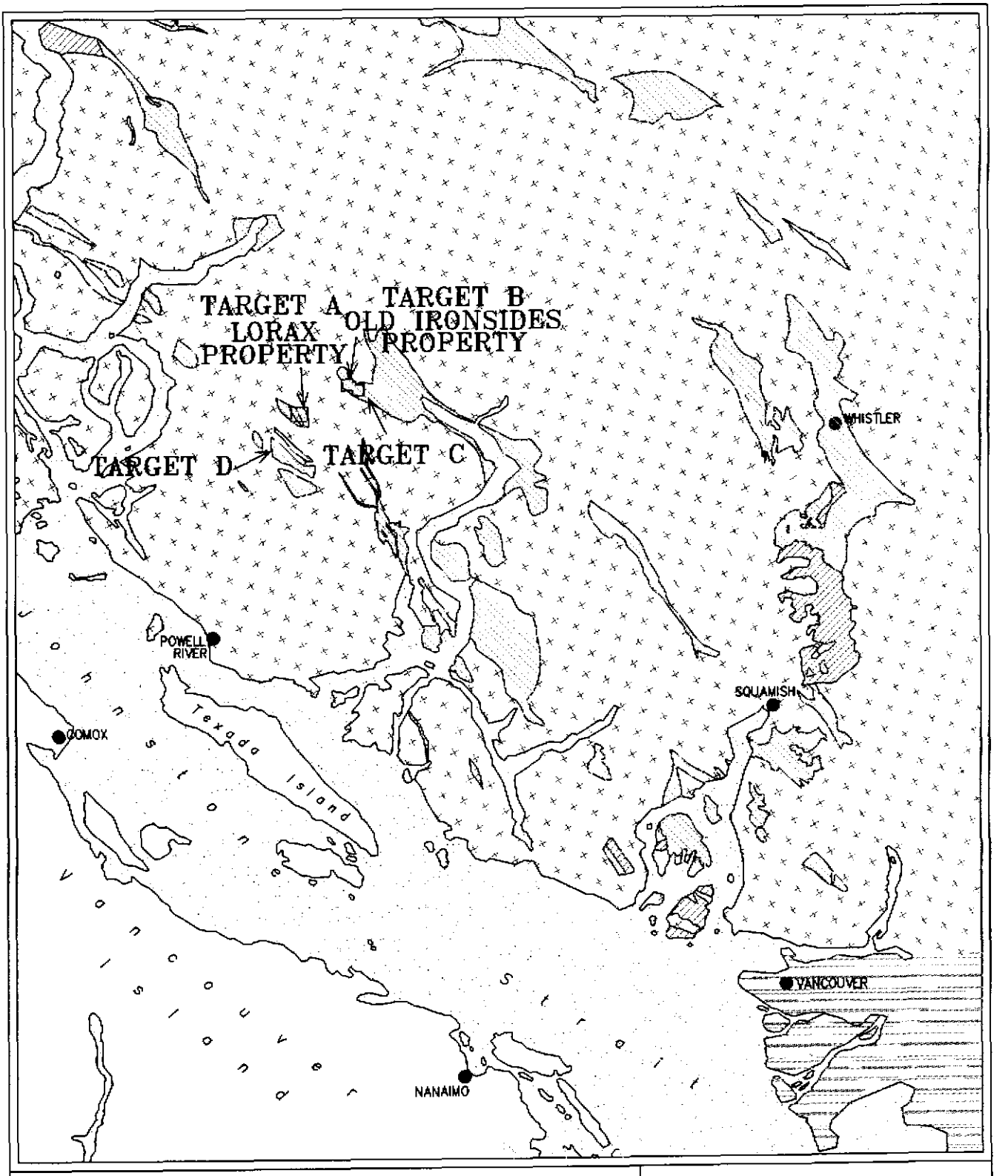


FIGURE 3

Sunshine Coast Project

REGIONAL GEOLOGY

Geology by Roddick et al, 1976; Roddick et al, 1979; Woodsworth, 1977

DRAWN BY: AB	PRODUCED AT: 1:1000000
DATE: SEPT 9, 1999	FILE: GENERAL\REGGEOL.DWG

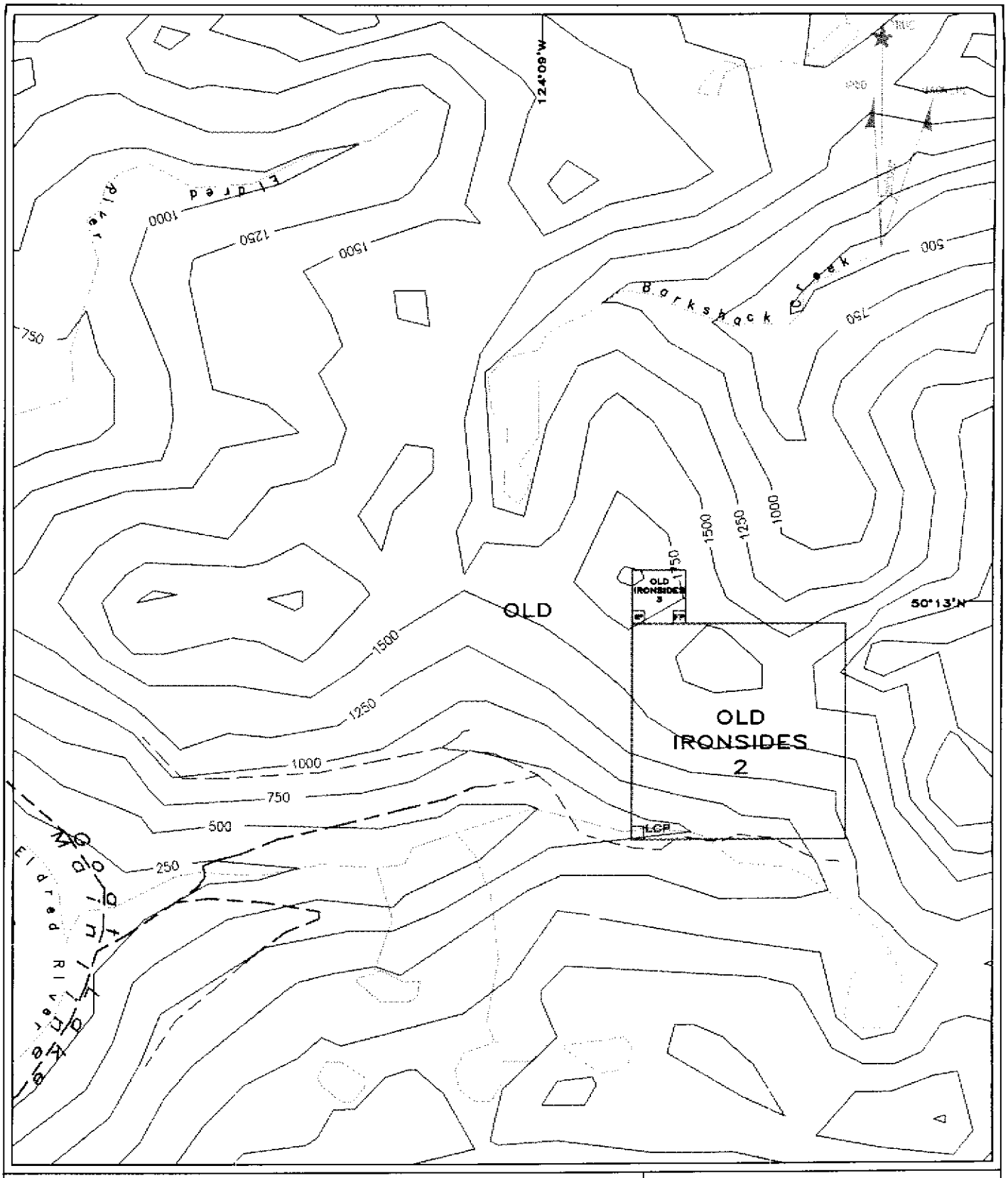
Lorax Property:

The Lorax Property is described in a separately bound report.

Old Ironsides 2 Claim:

The Old Ironsides 2 Claim (Figure 4) was staked in 1998 after reconnaissance soil sampling returned anomalous values for base metals, and prospecting indicated favourable stratigraphy for VMS mineralization. The claim is located over metamorphic rocks of the Gambier Group. Follow-up work during 1999 included geological mapping (Figure 5) and the establishment of a soil grid (Figure 6). Prospecting that year led to the discovery of pyritic quartz veins which are geochemically anomalous for silver and gold.

Soil samples collected on this property during 1999 were analysed for 32 elements by an ICP technique (Figures 8-10), but had not been analysed for gold. 2001 work on this property consisted of reanalysing 51 grid soil samples from the vicinity of the anomalous veins for gold (Figure 6). The resulting data indicate a 200 metre long gold soil anomaly uphill and along strike from the vein locality, suggesting continuity of gold mineralization beneath overburden. The gold anomaly includes an extremely anomalous gold value of 135ppb at the northern edge of the soil grid. Geochemistry in the area is also anomalous for copper, zinc, silver and arsenic, all of which anomalies are open to the north. The favourable geology in this area coupled with the multielement anomalous soil geochemistry suggest a favourable target for VMS and/or vein mineralization. It is recommended that grid soil sampling and geological mapping be extended north. Due to poor access, air support is recommended.



ROAD, DRIVEABLE

ROAD, DEACTIVATED

LAKE

RIVER, CREEK

LEGAL CORNER POST

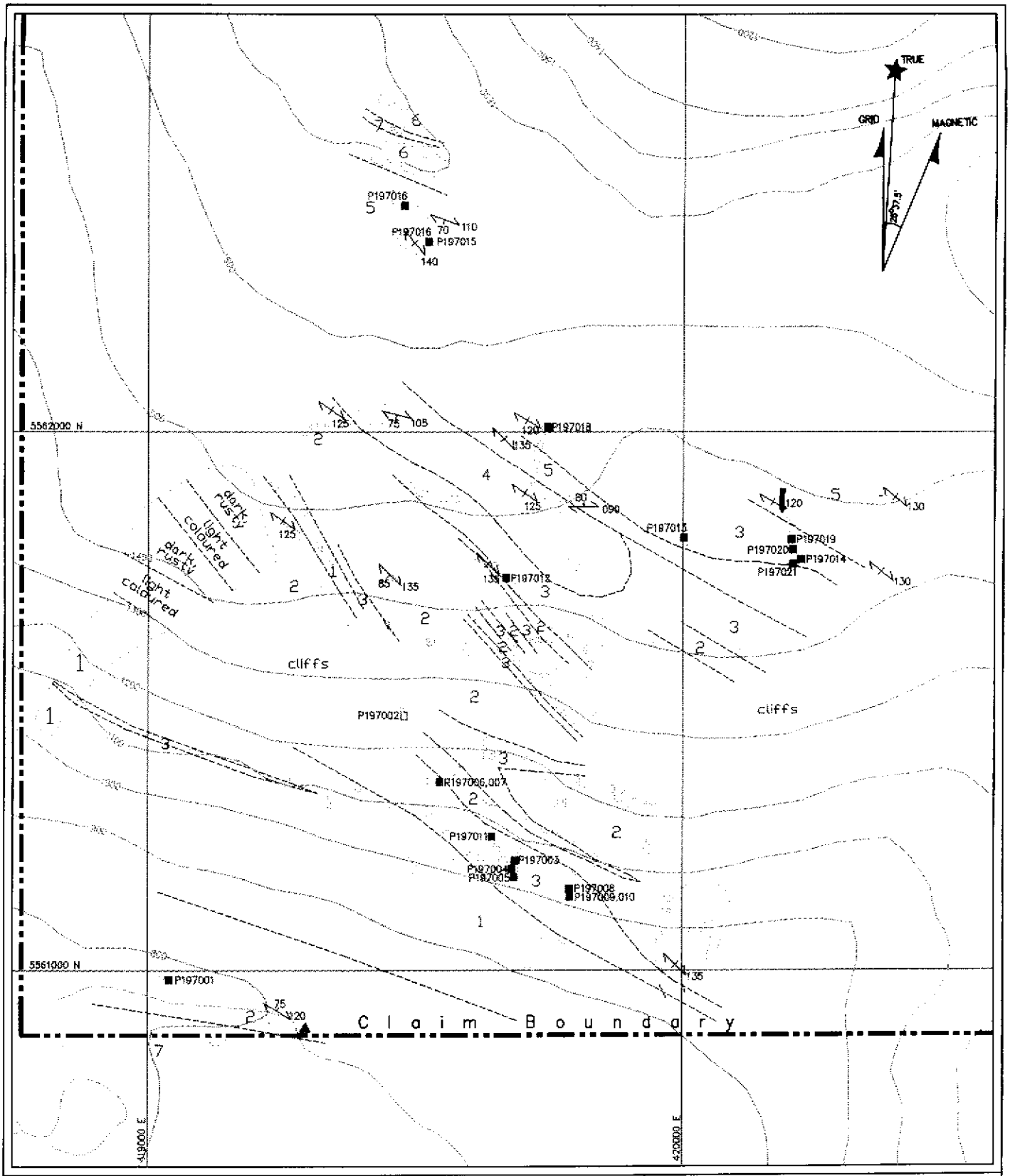
0 250 500 1000 1500 2000 2500m

FIGURE 4

OLD IRONSIDES PROPERTY

CLAIM LOCATION

DRAWN BY: AB	PRODUCED AT: 1:50000
DATE: JUL 22, 1999	FILE: IRONSIDES/50CLAIM.DWG



7 Coast Mountain intrusives
6 Mafic agglomerate
5 Mixed unit
4 Granodiorite gneiss
3 Felsite
2 Schist
1 Amphibolite

0 50 100 200 300 400 500m
Contour interval 100m

P197001 Rock float sample with sample number
P197002 Rock outcrop sample with sample number
30 090 Foliation attitude
090 Vertical foliation attitude

Lake, stream
Outcrop boundary
Geologic contact
Fly camp location

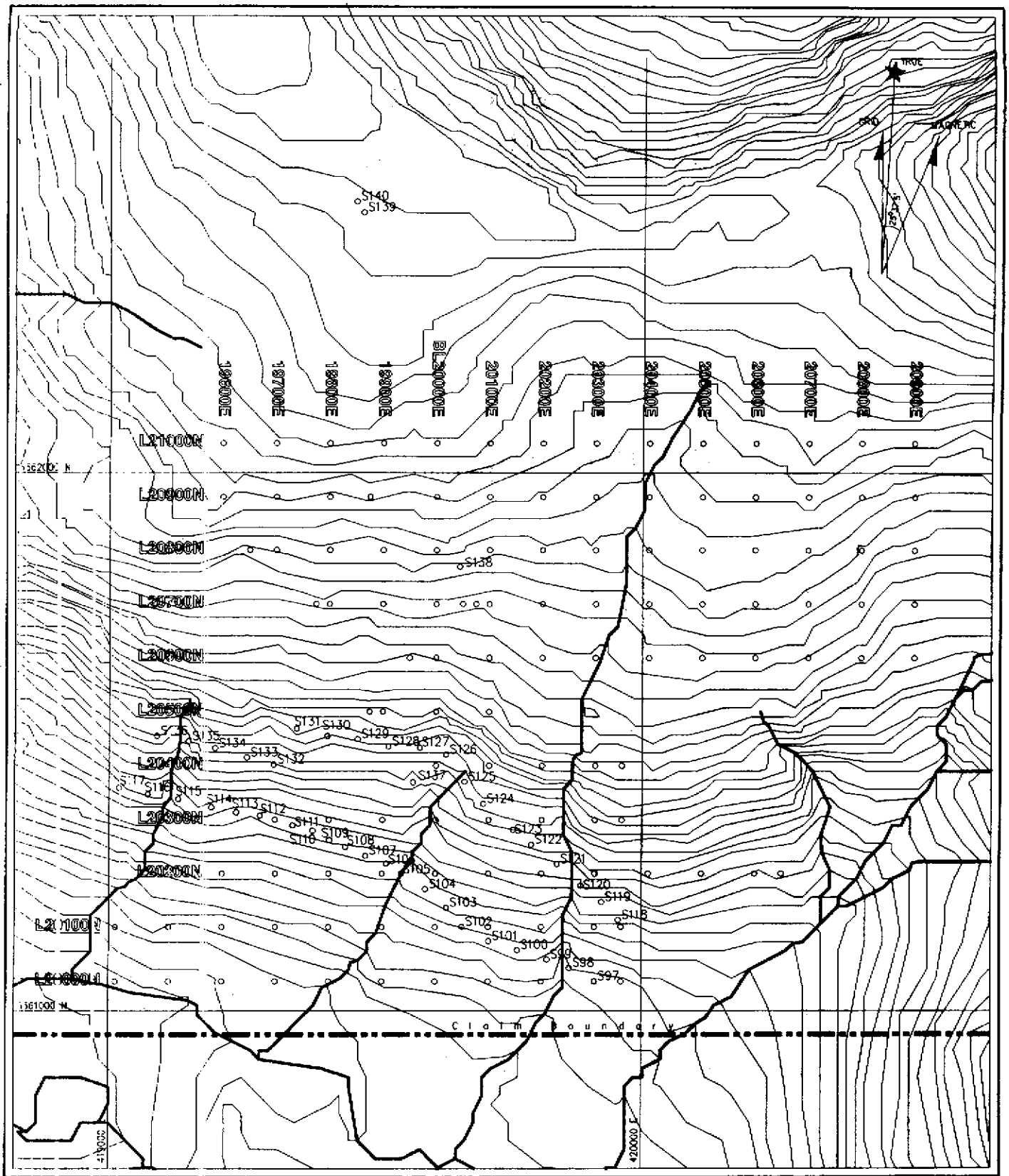
1 Au, Ag in quartz vein

FIGURE 5

OLD IRONSIDES 2 CLAIM

Property Geology

DRAWN BY: AB	PRODUCED AT: 1:10000
DATE: OCT 12, 1999	FILE: 012\10GEOL.DWG



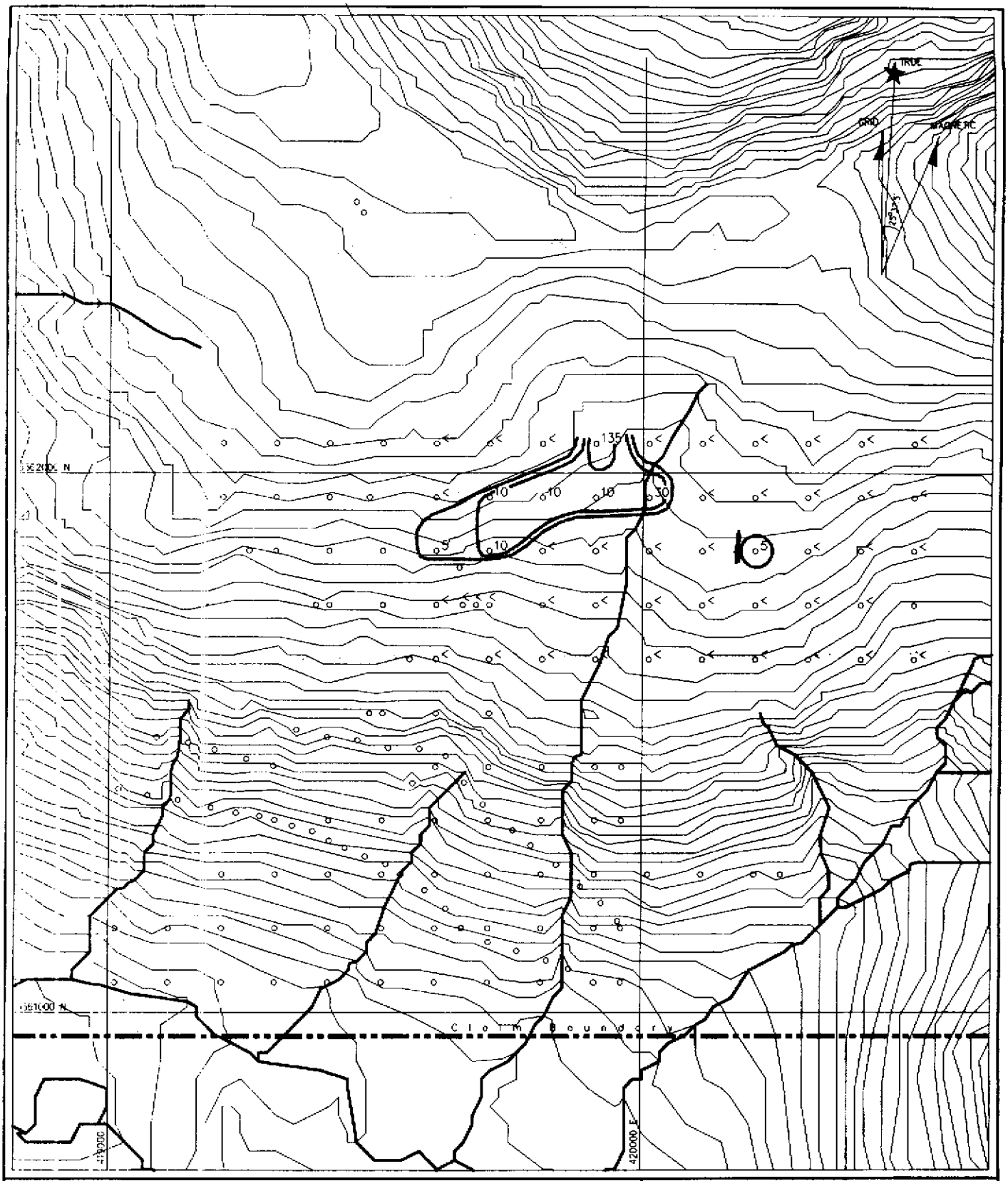
∘ Soil sample location with sample number

FIGURE 6

OLD IRONSIDES 2 CLAIM

SAMPLE LOCATIONS

DRAWN BY: AB	PRODUCED AT: 1:10000
DATE: OCT 12, 1999	FILE: 012\012SNO.DWG



0 50 100 200 300 400 500
Contour interval 20m

o10 Soil sample location with gold value in ppb

• Soil sample location with gold value below detection limit

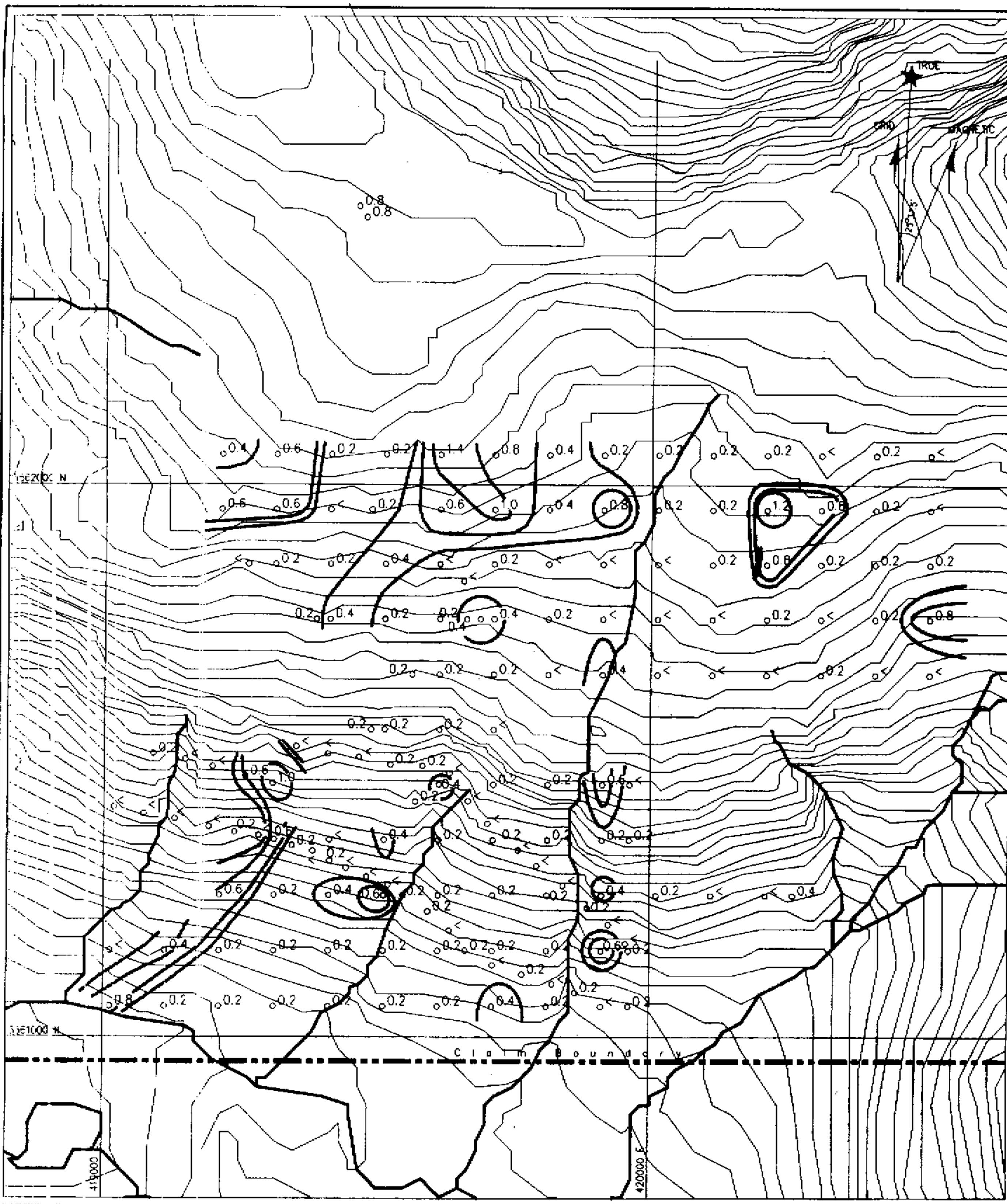
1 Au, Ag in qtz veins

FIGURE 7

OLD IRONSIDES 2 CLAIM

GOLD
SOIL GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:10000
DATE: OCT 12, 1999	FILE: OI2\OI2SNO.DWG



0 50 100 200 300 400 500

Contour interval 20m

o 1.4 Soil sample location with silver value in ppm

< Soil sample location with silver value below detection limit

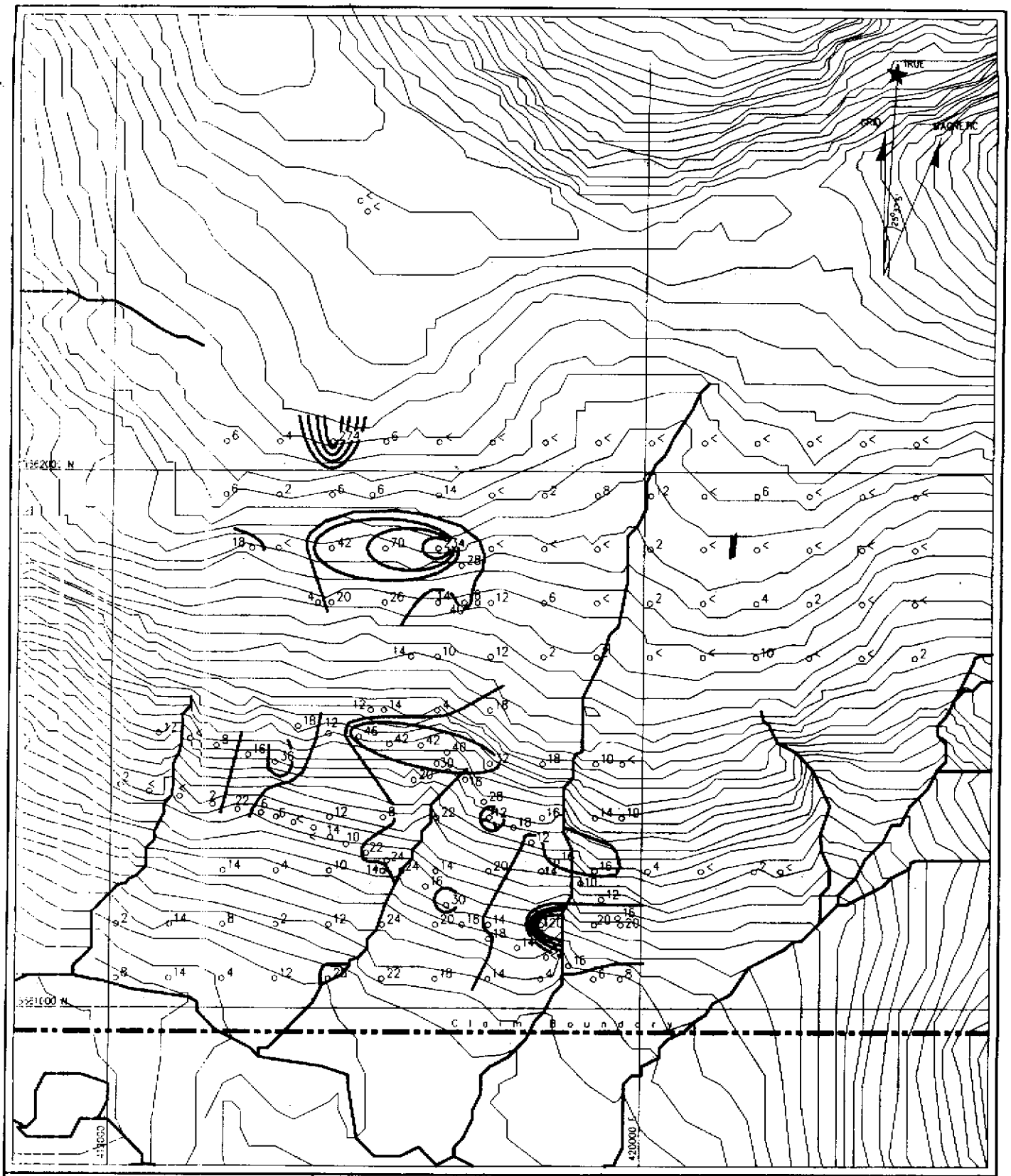
/ Au, Ag in veins

FIGURE 8

OLD IRONSIDES 2 CLAIM

SILVER
SOIL GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:10000
DATE: OCT 12, 1999	FILE: OI2\OI2SNO.DWG



0 50 100 200 300 400 500
Contour interval 20m

o10 Soil sample location with arsenic value in ppm

o< Soil sample location with arsenic value below detection limit

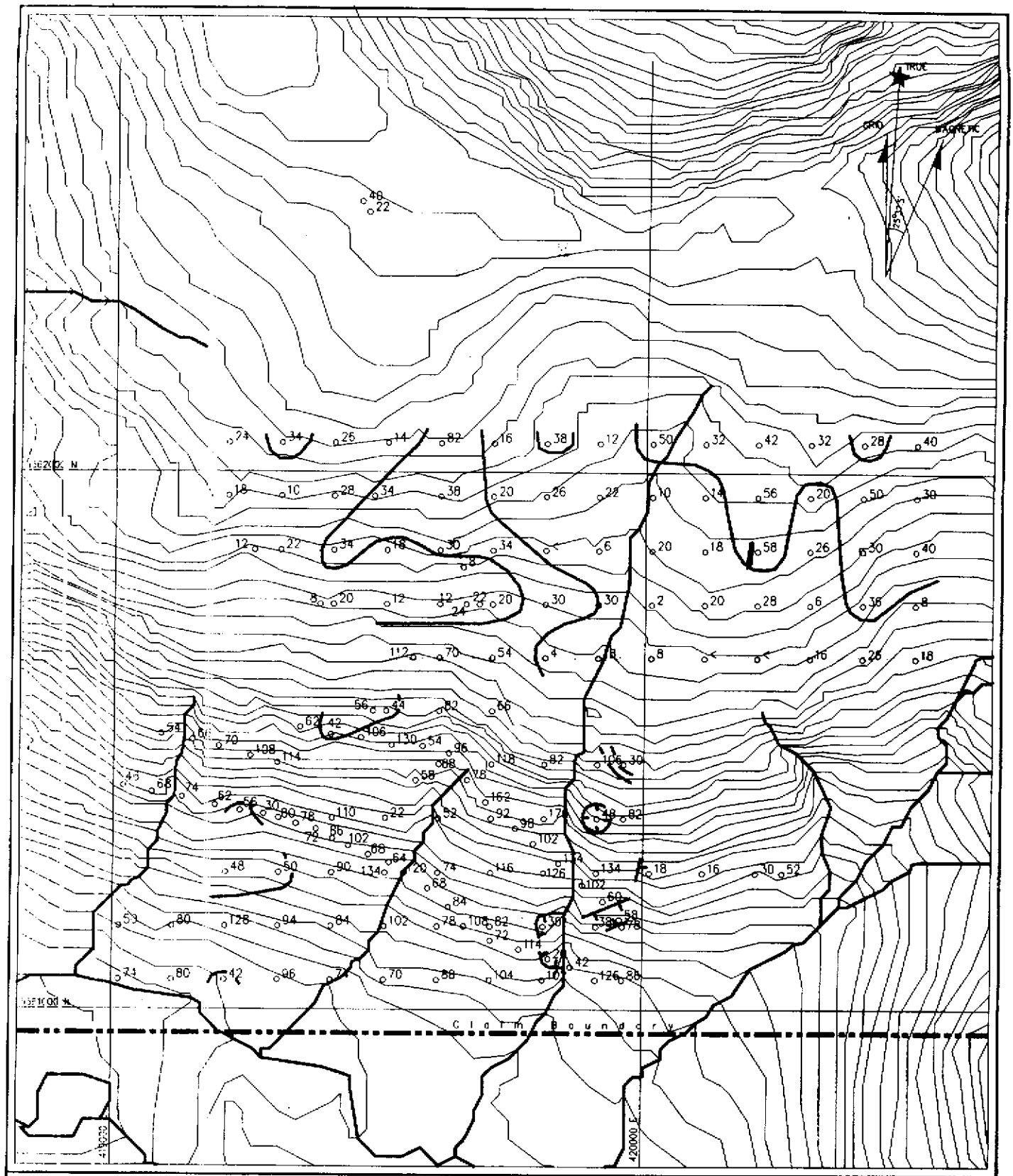
1 Au Ag in vein

FIGURE 9

OLD IRONSIDES 2 CLAIM

ARSENIC
SOIL GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:10000
DATE: OCT 12, 1999	FILE: OI2\OI2SNO.DWG



0 50 100 200 300 400 500
Contour interval 20m

100 Soil sample location with zinc value in ppm

Soil sample location with zinc value below detection limit

Au, Ag in vein

FIGURE 10

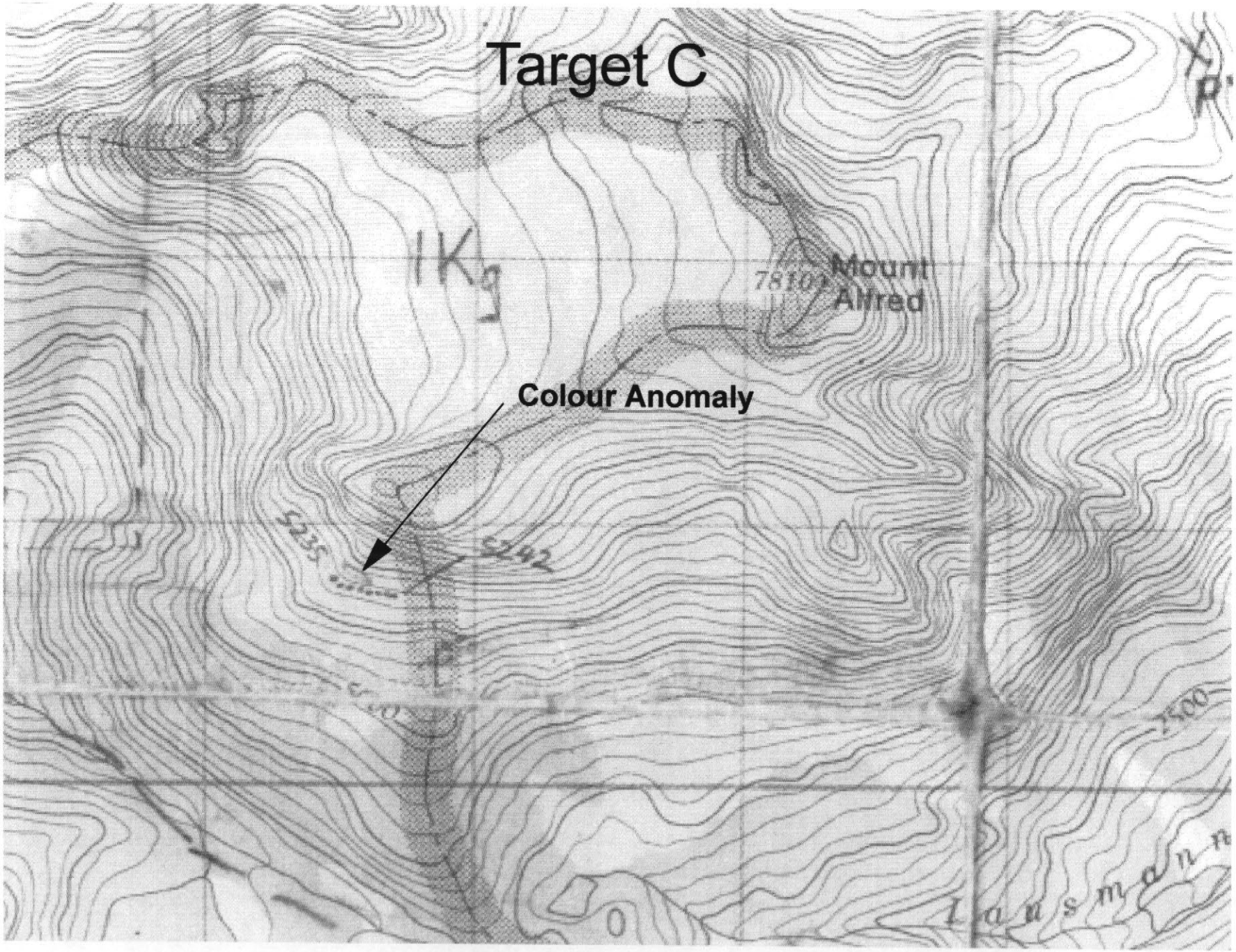
OLD IRONSIDES 2 CLAIM

ZINC
SOIL GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:10000
DATE: OCT 12, 1999	FILE: OI2\OI2SN0.DWG

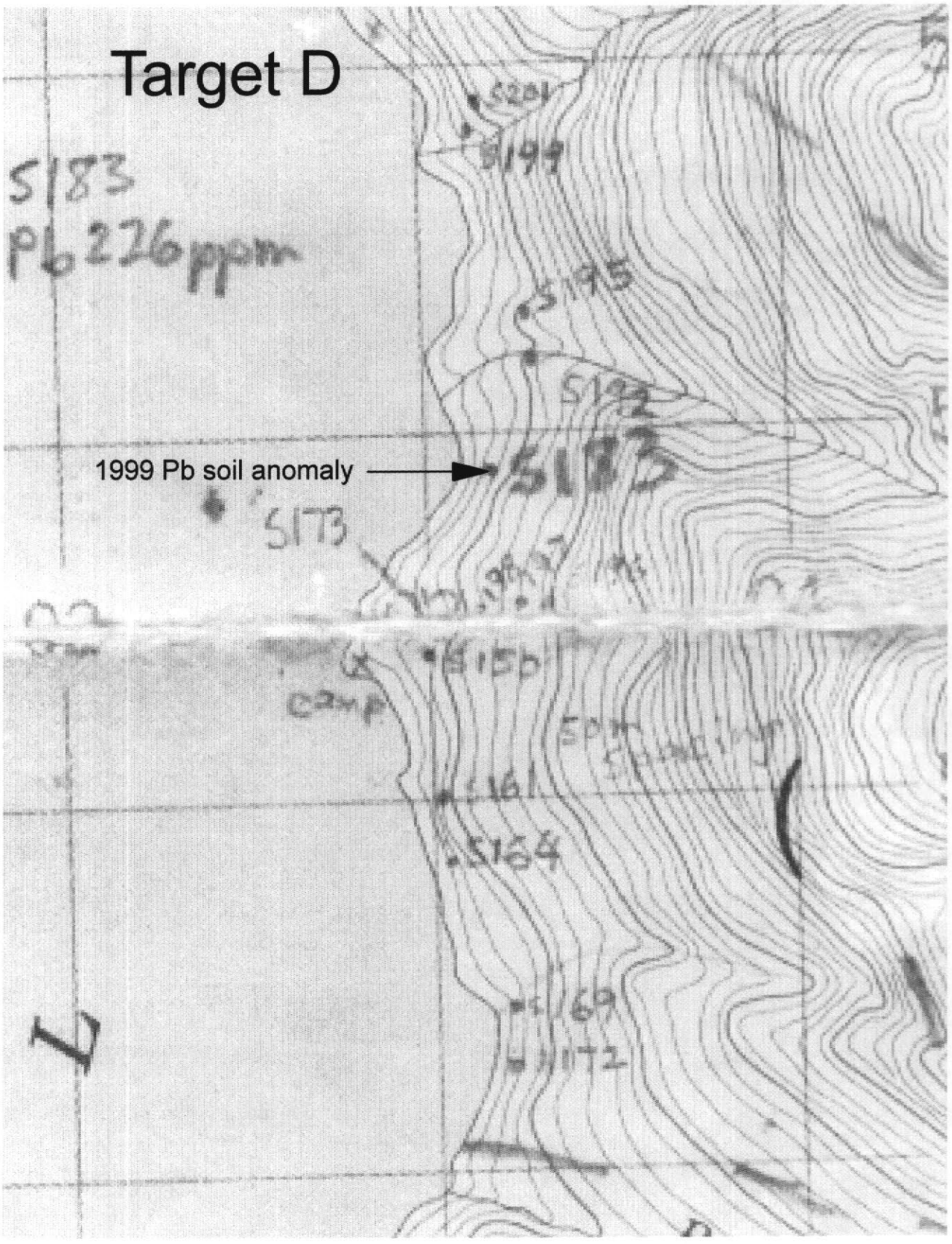
Target C:

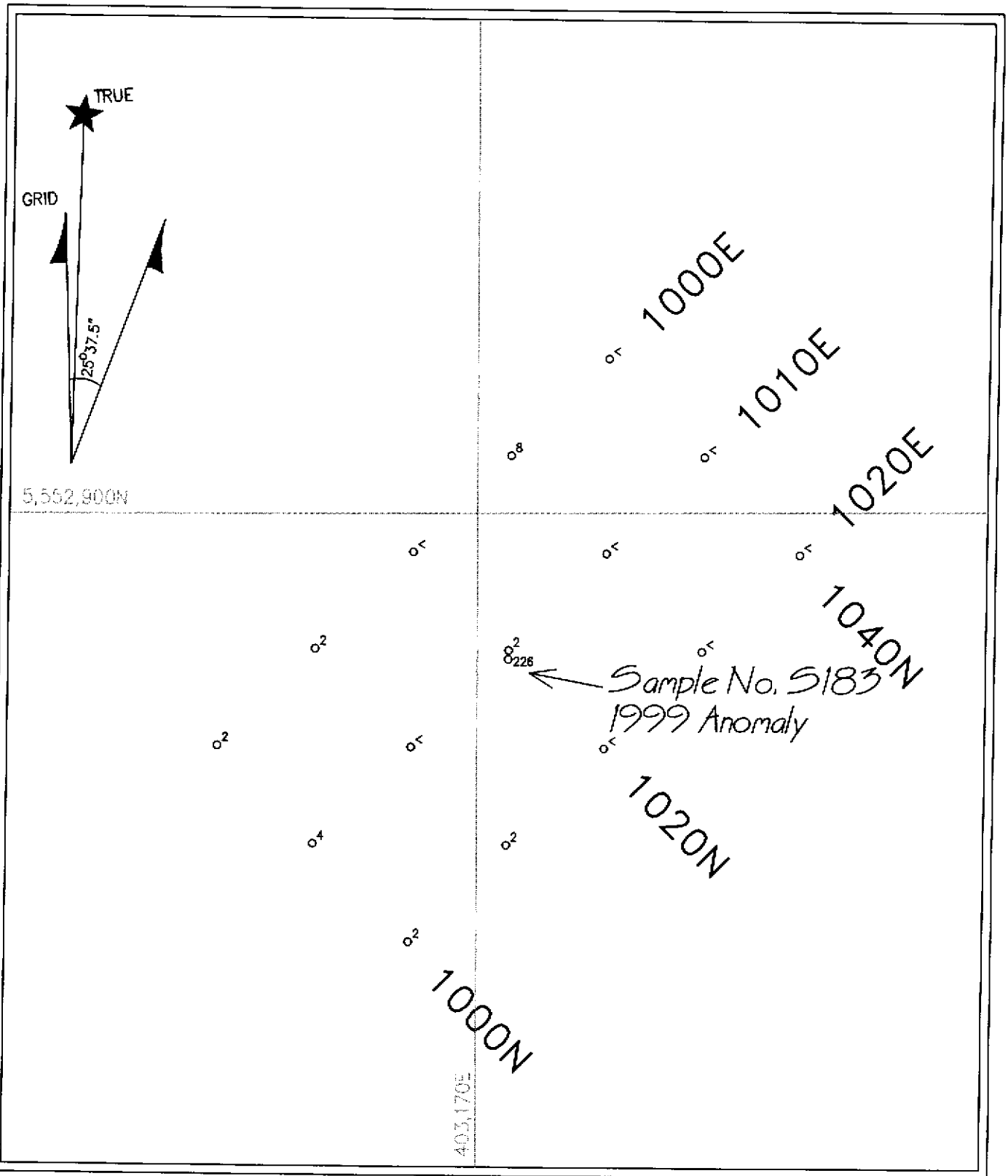
Target C is located in the same Gambier pendant as the Old Ironsides 2 claim and represents its eastern extension. A linear, 200 metre long colour anomaly had been observed on the hillside at UTM 10U 421550E 5560800N, elevation 6150'. The anomaly stands out as an orange and red weathering sequence of linear rocks in contact with a cliff-forming dark coloured rock. One day was spent investigating the anomaly, using helicopter support. A section of the Gambier Group pendant of about 1000m stratigraphic thickness was prospected, and eight soil samples were collected. The orange weathering rocks are a sedimentary sequence including mature clastic rocks and mafic flow to felsic tuffs. No significant mineralization was observed, and no anomalous values were recognized from among the soil samples. No further work is recommended.


Target C
Mount Alfred
Colour Anomaly

Target D:

Target D is located near Powell Lake, and was accessed by boat from Powell River. The target is located at UTM 10U 403170E 5552895N, elevation 383', within a linear Gambier pendant which strikes northwest into the Lake. This target was identified by reconnaissance soil sampling during 1999, when soil sample No. S183 had returned an extremely anomalous lead soil geochemistry value of 226ppm with coincident strongly anomalous silver value of 1.2ppm. During 2001, the original sample location was found and resampled, and 14 soil samples were collected on a grid centred on the original anomalous sample. Sample density of the grid is 10m by 10m. The original anomaly was not reproduced, and no anomalous values were recognized from among the 14 new samples. These results are considered disappointing, and although the original soil anomaly remains unexplained, no further work is recommended.


Target D
S183
Pb 226 ppm
1999 Pb soil anomaly
S173
S164



LEGEND

0 2 4 8 12 16 20m

o^{12} Soil sample location with lead value in ppm

$o^{<}$ Soil sample location with lead value below detection limit

FIGURE 13

Target D

Lead Soil Geochemistry

DRAWN BY: AB	PRODUCED AT: 1:400
DATE: NOV. 23, 2001	FILE: PAP/POWLK.DWG

Certificates of Assay

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brookabank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : OLD IRONSIDES
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Total Pages :2
Certificate Date: 17-SEP-2(
Invoice No. :I0124564
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0124564

SAMPLE	PREP CODE	Weight Kg	Au ppb FA+AA
L20600N 20000E	2259400	0.08	< 5
L20600N 20100E	2259400	0.06	< 5
L20600N 20200E	2259400	0.10	< 5
L20600N 20300E	2259400	0.04	< 5
L20600N 20400E	2259400	0.06	< 5
L20600N 20500E	2259400	0.06	< 5
L20600N 20600E	2259400	0.04	< 5
L20600N 20700E	2259400	0.06	< 5
L20600N 20800E	2259400	0.10	< 5
L20600N 20900E	2259400	0.06	< 5
L20700N 20000E	2259400	0.08	< 5
L20700N 20050E	2259400	0.06	< 5
L20700N 20075E	2259400	0.06	< 5
L20700N 20100E	2259400	0.04	< 5
L20700N 20200E	2259400	0.08	< 5
L20700N 20300E	2259400	0.12	< 5
L20700N 20400E	2259400	0.14	< 5
L20700N 20500E	2259400	0.12	< 5
L20700N 20600E	2259400	0.10	< 5
L20700N 20700E	2259400	0.16	< 5
L20700N 20800E	2259400	0.06	< 5
L20700N 20900E	2259400	0.02	not/ss
L20800N 20000E	2259400	0.04	5
L20800N 20100E	2259400	0.04	10
L20800N 20200E	2259400	0.18	< 5
L20800N 20300E	2259400	0.04	< 5
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L20800N 20600E	2259400	0.14	5
L20800N 20700E	2259400	0.06	< 5
L20800N 20800E	2259400	0.08	< 5
L20800N 20900E	2259400	0.06	< 5
L20900N 20000	2259400	0.06	< 5
L20900N 20100E	2259400	0.06	10
L20900N 20200E	2259400	0.08	10
L20900N 20300E	2259400	0.06	10
L20900N 20400E	2259400	0.04	30
L20900N 20500E	2259400	0.10	< 5
L20900N 20600EA	2259400	0.06	< 5
L20900N 20600EB	2259400	0.06	< 5

CERTIFICATION:

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : SUNSHINE COAST
Comments: ATTN: ARND BURGERT

Certificate Date: 20-SEP-2(
Invoice No. : I0124496
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS A0124496

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B 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 %
8240	94069407	0.28	< 0.2	3.43	18	< 10	90	< 0.5	< 2	0.17	0.5	11	3	47	3.82	10	< 1	0.20	< 10	0.76
8241	94069407	0.28	0.2	3.71	22	< 10	70	< 0.5	< 2	0.07	0.5	13	5	31	3.67	< 10	< 1	0.13	< 10	0.55
8242	94069407	0.28	< 0.2	5.36	12	< 10	90	< 0.5	< 2	0.08	0.5	12	8	53	4.44	10	< 1	0.13	< 10	0.74
8243	94069407	0.16	< 0.2	0.56	< 2	< 10	50	< 0.5	< 2	0.16	< 0.5	< 1	7	4	0.35	< 10	< 1	0.09	< 10	0.07
8244	94069407	0.18	< 0.2	0.22	2	< 10	10	< 0.5	< 2	0.01	< 0.5	< 1	14	< 1	0.38	< 10	< 1	0.09	< 10	0.05
8245	94069407	0.18	< 0.2	2.53	6	< 10	30	< 0.5	< 2	0.01	< 0.5	2	52	12	5.90	10	< 1	0.08	< 10	0.19
8246	94069407	0.24	< 0.2	1.12	8	< 10	10	< 0.5	< 2	< 0.01	< 0.5	1	20	8	3.52	20	< 1	0.03	< 10	0.07
8247	94069407	0.32	< 0.2	1.44	8	< 10	10	< 0.5	< 2	0.01	< 0.5	1	19	7	3.24	20	< 1	0.04	< 10	0.09
8235	94069407	0.22	< 0.2	4.35	< 2	< 10	120	< 0.5	< 2	0.16	< 0.5	12	2	53	4.21	10	< 1	0.12	< 10	0.87
8236	94069407	0.30	< 0.2	2.81	6	< 10	60	< 0.5	< 2	0.03	0.5	5	22	21	3.85	10	< 1	0.13	< 10	0.51
8237	94069407	0.22	< 0.2	3.29	16	< 10	90	< 0.5	< 2	0.13	0.5	12	4	47	3.50	< 10	< 1	0.17	< 10	0.77
8238	94069407	0.20	< 0.2	3.06	4	< 10	30	< 0.5	< 2	0.03	0.5	3	12	15	3.70	10	< 1	0.06	< 10	0.24
8239	94069407	0.24	< 0.2	2.46	12	< 10	30	< 0.5	< 2	0.05	< 0.5	7	7	17	4.40	10	< 1	0.05	< 10	0.58
PL 1000E 1000N	94069407	0.32	< 0.2	1.92	2	< 10	60	< 0.5	< 2	0.16	0.5	12	77	9	4.13	10	< 1	0.04	< 10	0.42
PL 1000E 1010N	94069407	0.36	< 0.2	4.46	2	< 10	50	< 0.5	< 2	0.13	0.5	9	43	16	3.78	< 10	< 1	0.04	< 10	0.57
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PL 1010E 1020N	94069407	0.36	< 0.2	3.16	6	< 10	60	< 0.5	< 2	0.16	0.5	8	42	6	4.82	10	< 1	0.05	< 10	0.67
PL 1010E 1030N	94069407	0.46	< 0.2	3.54	6	< 10	90	< 0.5	< 2	0.41	1.0	21	29	22	3.20	< 10	< 1	0.10	< 10	0.93
PL 1010E 1040N	94069407	0.30	0.2	4.96	4	< 10	110	< 0.5	< 2	0.21	1.0	24	28	31	3.40	< 10	< 1	0.08	< 10	0.77
PL 1020E 1000N	94069407	0.38	< 0.2	4.29	6	< 10	70	< 0.5	< 2	0.23	1.0	15	25	11	4.65	10	< 1	0.07	< 10	0.98
PL 1020E 1010N	94069407	0.34	< 0.2	3.79	2	< 10	120	< 0.5	< 2	0.18	1.5	16	55	12	4.65	10	< 1	0.06	< 10	0.75
PL 1020E 1020N	94069407	0.34	< 0.2	4.85	4	< 10	130	< 0.5	< 2	0.23	1.5	16	41	11	4.65	10	< 1	0.05	< 10	0.91
PL 1020E 1030N	94069407	0.38	< 0.2	3.92	4	< 10	70	< 0.5	< 2	0.15	0.5	15	31	19	3.37	< 10	< 1	0.07	< 10	0.80
PL 1020E 1040N	94069407	0.34	0.2	3.57	8	< 10	110	< 0.5	< 2	0.32	1.5	35	27	24	4.84	10	< 1	0.08	< 10	1.06

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

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PORT MCNEILL, BC
V0N 2R0

Project : SUNSHINE COAST
Comments: ATTN: ARND BURGERT

Page Number :1-B
Total Pages :1
Certificate Date: 20-SEP-2(
Invoice No. :I0124496
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0124496

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S240	94069407	325	1	0.05	6	800	< 2	0.11	2	4	17	0.13	< 10	< 10	91	< 10	54
S241	94069407	660	< 1	0.01	5	600	2	0.08	< 2	4	8	0.13	< 10	< 10	80	< 10	48
S242	94069407	375	< 1	0.01	7	720	< 2	0.08	2	6	8	0.17	< 10	< 10	102	< 10	68
S243	94069407	20	< 1	0.01	4	910	4	0.15	< 2	< 1	16	0.03	< 10	< 10	10	< 10	24
S244	94069407	15	< 1	< 0.01	< 1	130	4	0.01	< 2	< 1	1	0.10	< 10	< 10	23	< 10	8
S245	94069407	65	1	< 0.01	10	240	2	0.05	4	4	3	0.18	< 10	< 10	121	< 10	22
S246	94069407	30	1	< 0.01	11	200	< 2	0.02	2	< 1	1	0.21	< 10	< 10	137	< 10	10
S247	94069407	45	3	< 0.01	4	310	8	0.04	< 2	1	3	0.20	< 10	< 10	111	< 10	12
S235	94069407	270	< 1	0.04	4	520	< 2	0.05	4	7	17	0.17	< 10	< 10	114	< 10	56
S236	94069407	110	< 1	0.01	6	480	< 2	0.06	4	6	6	0.20	< 10	< 10	117	< 10	46
S237	94069407	290	< 1	0.03	6	730	6	0.07	2	4	13	0.12	< 10	< 10	86	< 10	52
S238	94069407	55	1	0.01	2	640	< 2	0.08	6	3	5	0.11	< 10	< 10	113	< 10	20
S239	94069407	185	< 1	0.01	4	420	2	0.05	2	5	7	0.16	< 10	< 10	107	< 10	42
PL 1000E 1000N	94069407	305	3	< 0.01	10	510	2	0.03	6	1	16	0.29	< 10	< 10	93	< 10	40
PL 1000E 1010N	94069407	230	4	0.01	13	520	2	0.05	2	2	16	0.24	< 10	< 10	79	< 10	42
PL 1000E 1020N	94069407	375	5	0.01	19	1000	< 2	0.07	2	4	25	0.22	< 10	< 10	70	< 10	46
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PL 1010E 1010N	94069407	255	2	0.01	12	420	< 2	0.05	2	2	17	0.22	< 10	< 10	77	< 10	38
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PL 1010E 1030N	94069407	620	3	0.01	15	710	< 2	0.09	2	1	51	0.13	< 10	< 10	62	< 10	54
PL 1010E 1040N	94069407	895	1	0.01	15	1110	< 2	0.08	2	1	30	0.16	< 10	< 10	63	< 10	60
PL 1020E 1000N	94069407	445	1	< 0.01	13	700	2	0.04	4	2	23	0.25	< 10	< 10	80	< 10	68
PL 1020E 1010N	94069407	455	2	0.03	17	450	2	0.06	< 2	2	26	0.26	< 10	< 10	88	< 10	66
PL 1020E 1020N	94069407	650	3	0.02	20	600	< 2	0.07	6	3	32	0.25	< 10	< 10	91	< 10	56
PL 1020E 1030N	94069407	575	3	0.01	13	620	< 2	0.08	< 2	1	24	0.19	< 10	< 10	67	< 10	44
PL 1020E 1040N	94069407	1095	3	0.03	14	1290	< 2	0.08	6	1	44	0.17	< 10	< 10	82	< 10	70

CERTIFICATION:

Read Dec 3, 2001

ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING AND GEOCHEMICAL SURVEY

on the

LORAX MINERAL GROUP

Latitude 50° 11'N; Longitude 124° 18'W

NTS 92K/1

in the

VANCOUVER MINING DIVISION

BRITISH COLUMBIA

ARND BURGERT
NOVEMBER 19, 2001

Submitted by: Arnd Burgert, PO Box 1208, Port McNeill, BC, V0N 2R0
Telephone (250) 956-3338 email burgert@island.net

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FIGURES

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INTRODUCTION AND BACKGROUND

The Lorax mineral property, shown in Figure 1, was staked during October, 1998, to protect a previously unstaked lens of zinc-copper-silver sulphide mineralization that was discovered by prospecting during September, 1998. Follow-up work in 1999 resulted in the discovery of a second, thicker lens which contains ore grade concentrations of copper, lead, zinc, silver and gold. The property lies 40 kilometres north of Powell River in southwestern British Columbia (Figure 2).

The mineralization appears to be a Kuroko style volcanogenic massive sulphide (VMS) occurrence. Kuroko VMS mineralization accounts for a considerable proportion of world-class base and precious metals mines, with an average deposit size of 1.5 million tonnes and the following grades (Höy, 1995):

Average grades for Kuroko VMS deposits

Commodity	Grade
copper	1.3%
lead	1.9%
zinc	2.0%
silver	13 g/T
gold	0.16 g/t

The Lorax property is underlain by Gambier group rocks of early Cretaceous age, having formed about 125 million years ago. Deposits in southwestern BC hosted by Gambier group rocks include the Britannia deposit near Britannia Beach on Howe Sound as well as the Northair deposit near Whistler, BC (Figure 3).

For many of its nearly 70 years of production, the Britannia mine was the largest copper producer in the British Empire, yielding 52,783,964 tons of ore from which the following metals were recovered (Brown, 1974; Payne et al, 1980):

Production data for the Britannia deposit

Commodity	Grade	Recovery	
copper	1.1%	1,139,223,376	pounds
zinc	0.65%	276,220,089	pounds
silver	0.2 oz/ton		
gold	0.02 oz/ton	492,968	oz
cadmium		980,631	pounds

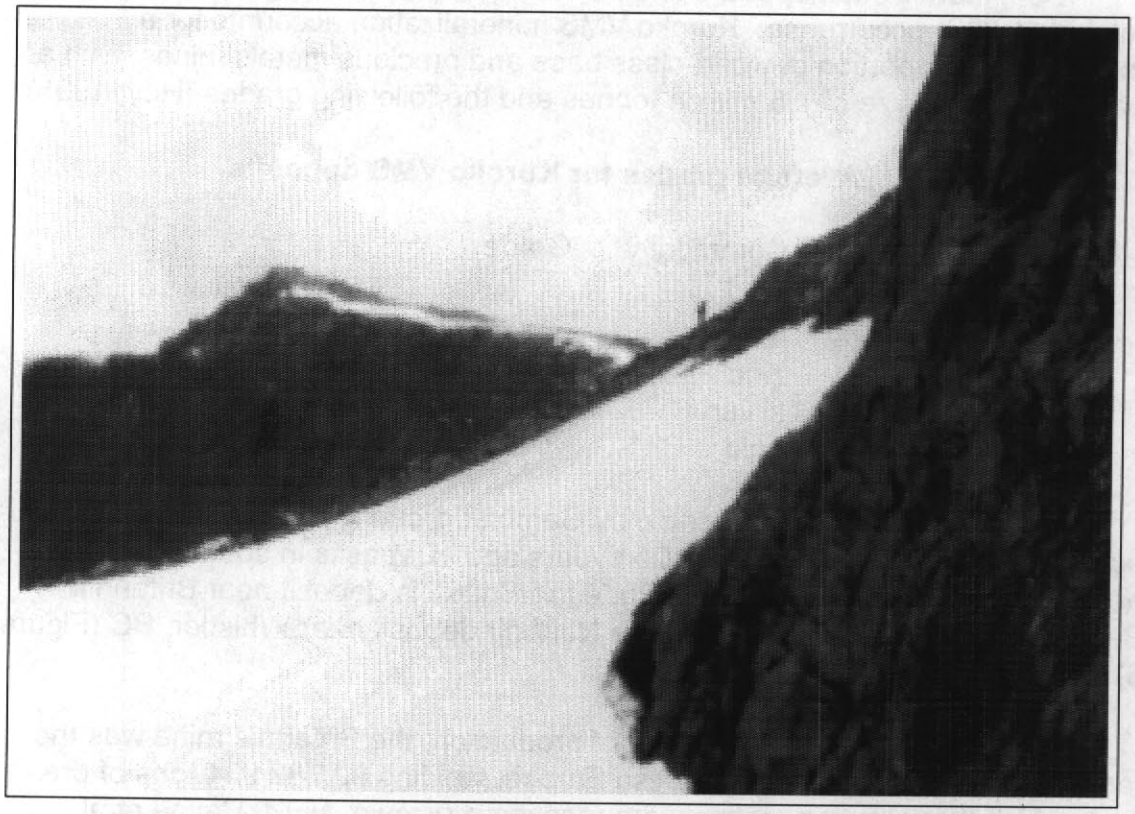
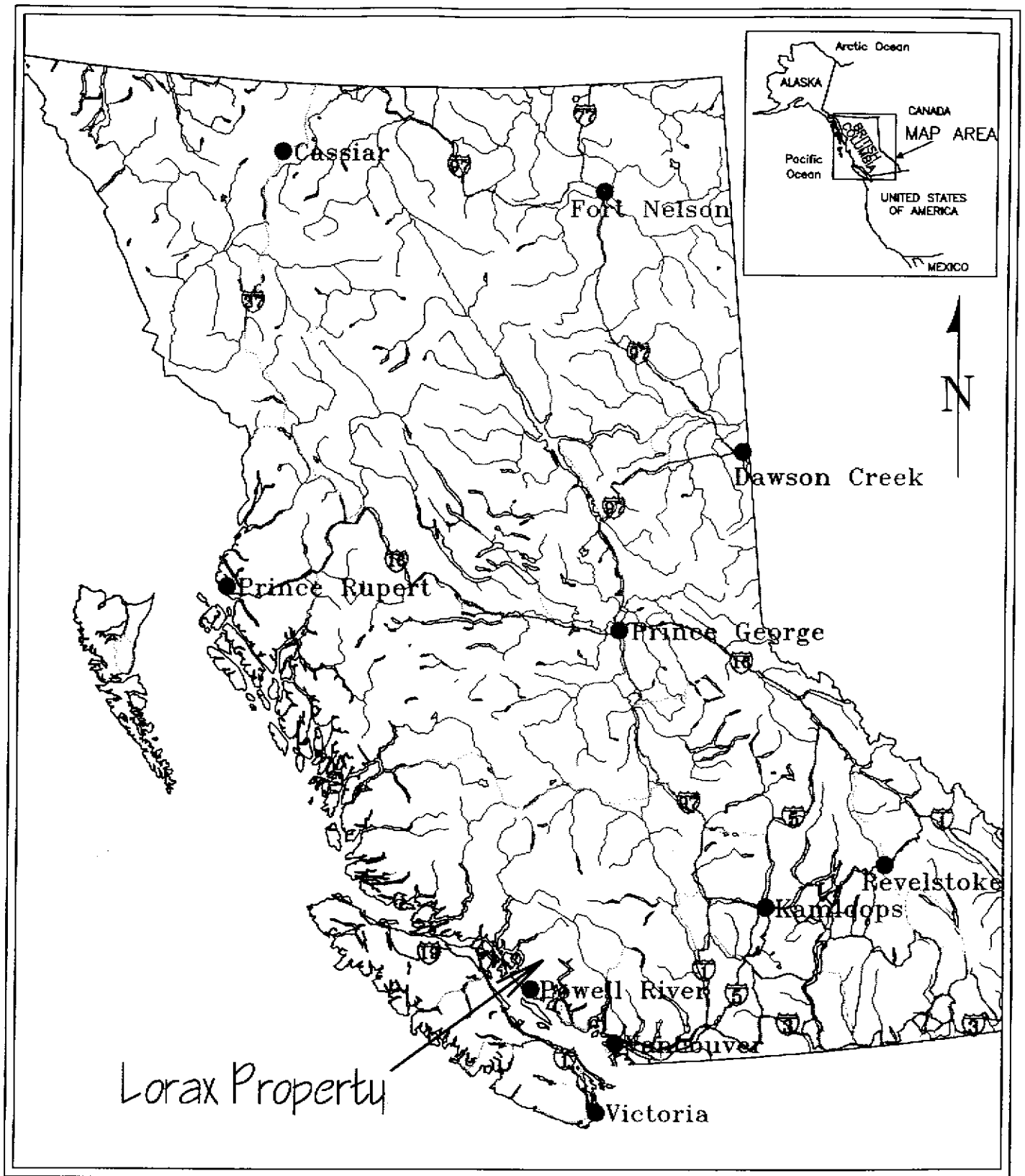


Figure 1: Prospecting the Lorax sulphide showing.



HIGHWAY
MAJOR ROAD
LAKE
RIVER
SELECTED CITY

0 50 100 200 300 400 500km

FIGURE 2

LORAX PROPERTY

PROPERTY LOCATION

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DATE: OCT 12, 1999	FILE: GENERAL/BCMAP.DWG

Another Kuroko VMS deposit hosted by Gambier group rocks is the Northair mine. Indicated reserves are 59,071 tonnes grading 26.73 grams per tonne silver, 9.08 grams per tonne gold and 2 per cent combined lead-zinc (BCGS Minfile).

A number of smaller sulphide occurrences hosted by Gambier group rocks are scattered about the Powell River region and as far north as Bella Coola. On Mount Diadem, massive sulphide showings were discovered in 1928. Three mineralized zones have since been defined, the best diamond-drill result being a 12.0m sulphide intersection with grades of 0.79% copper, 2.74% lead, 1.61% zinc and 148.80 grams per tonne silver (BCGS Minfile).

The Hummingbird deposit, located on the north side of Goat Island in Powell Lake, was mined during 1920s. The best silver values occur in the opencut from which previous ore shipments were made. A recent rock chip sample assayed 17.40% copper and 320.17 grams per tonne silver, while another yielded 3.08% copper, 52.80 grams per tonne silver and 0.27 grams per tonne gold (BCGS Minfile).

The Lorax property protects rocks with proven potential for VMS mineralization, but the ground covered by the claims has not been staked before, and no signs of previous prospecting were observed in the field. Field exploration was conducted from a helicopter-supported fly camp. All work was conducted personally by the author, whose Statement of Qualifications appears in Appendix I.

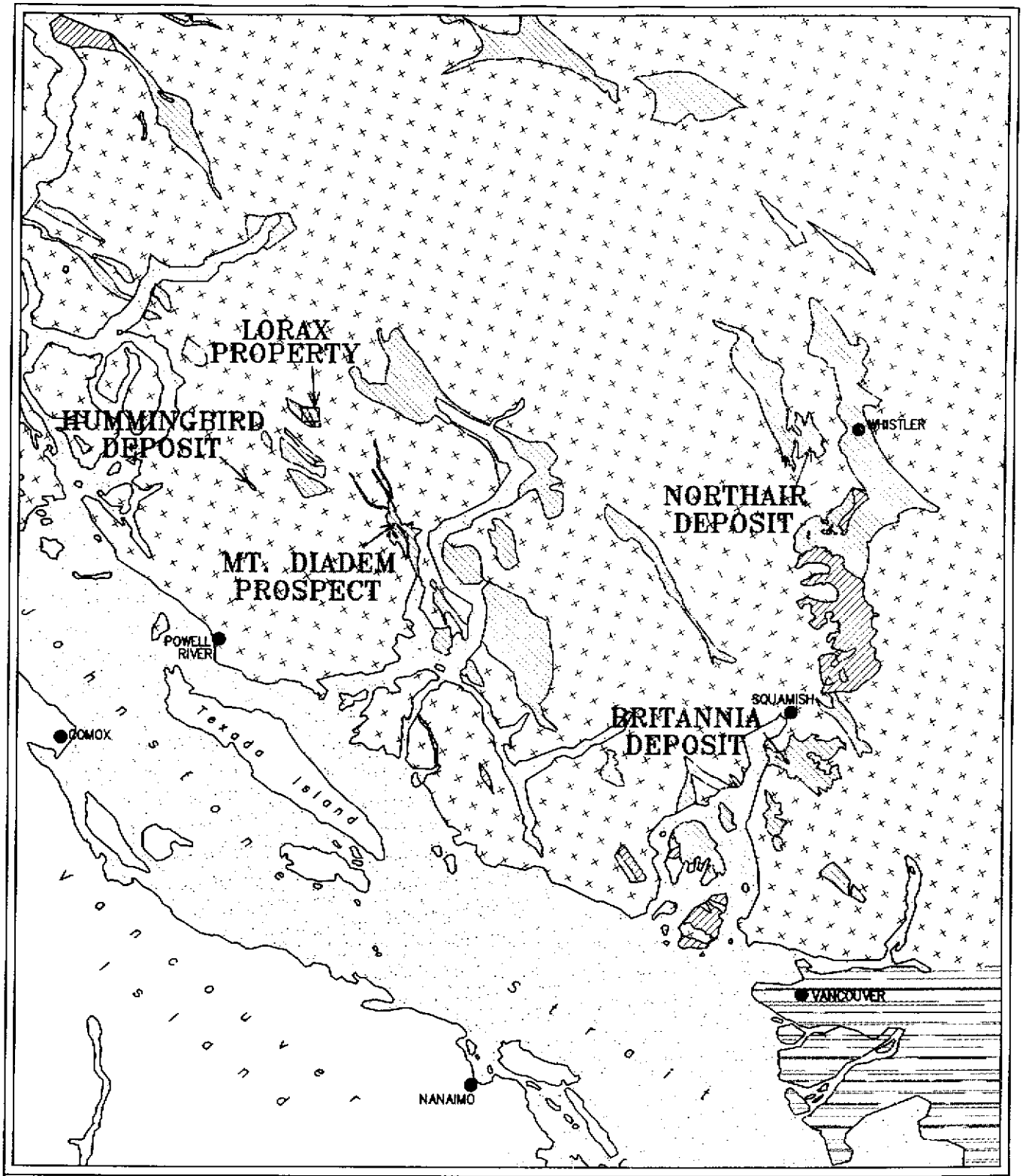

FIGURE 3

LORAX PROPERTY

REGIONAL MINERALIZATION

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DATE: SEPT 9, 1999	FILE: GENERAL\REGGEOL.DWG

CONCLUSIONS AND RECOMMENDATIONS

Two sulphide showings have been discovered on the Lorax mineral property, located in southwestern BC. Peak grades include 7110ppm copper, 1.9% lead, 12.2% zinc, 211 g/t silver, and 2590ppb gold. A soil geochemical grid established in the area yielded anomalous soil values which suggest continuity of both sulphide lenses.

The mineralization appears to be a VMS occurrence. VMS deposits around the world form multi-million tonne deposits of high grade base and precious metals ores. The Lorax property covers rocks of Gambier group, a group of rocks with proven potential as host to Kuroko style VMS mineralization. The Britannia deposit is a Kuroko VMS deposit located in Gambier group rocks from which 52,783,964 tons of ore were mined, with average grades of 1.1% copper, 0.65% zinc, 0.2oz/ton silver and 0.02 oz/ton gold. This style of deposit typically comprises multiple stacked and en-echelon lenses of sulphide ore. Six such lenses have been found on the Lorax property.

The sulphide showings and adjacent soil geochemical anomalies on the Lorax property represent a strong VMS target which warrants further exploration. Exploration to date has included geological mapping, which defines favorable stratigraphy, and soil grid sampling, which has outlined compelling geochemical anomalies. Exploration can best be performed from late July to mid-October, when most snow has melted.

Because of the rugged mountain terrain, mechanical trenching will likely not be possible. Although the steep topography in the immediate vicinity of the main showing may make interpretation of geophysical data difficult, meaningful results can probably be obtained. Therefore, a two-phase exploration program is recommended. The first phase of recommended exploration is designed to test for orebodies which are blind to surface, and to define possible targets for diamond drilling. It involves a suite of ground geophysical surveys. It is thought that the massive nature of the sulphides will respond to induced polarization and electromagnetic surveys. The second phase of recommended exploration is designed to test the downward extent of the known sulphide bodies, and to test for further stacked lenses. Four shallow diamond drill holes and two deeper holes will test both strike and downdip extensions of mineralized zones sufficiently to determine whether a detailed drill program, and possibly construction of a drill road, are warranted.

A cost outline for the recommended work follows:

CLAIMS, LOCATION AND ACCESS

The Lorax mineral property is located in southwestern BC at latitude 50°10.9'N and longitude 124°18.0'W on NTS map sheet 92K/1 (Figure 4). It comprises one four-post and ten contiguous two-post mineral claims registered with the Mineral Titles Branch in the name of Arnd Burgert. All eleven claims are grouped, and claim registration data is listed below.

Lorax Mineral Group claim registration data

Claim Name	Claim Type	Tenure Number	Expiry Date*
Lorax 1	Four Post	366446	Oct. 21, 2004
Lorax 2	Two Post	366447	Oct. 20, 2004
Lorax 3	Two Post	366448	Oct. 20, 2004
Lorax 4	Two Post	366449	Oct. 20, 2004
Lorax 5	Two Post	366450	Oct. 20, 2004
Lorax 6	Two Post	366451	Oct. 20, 2004
Lorax 7	Two Post	366452	Oct. 21, 2004
Lorax 8	Two Post	366453	Oct. 21, 2004
Lorax 9	Two Post	366454	Oct. 21, 2004
Lorax 10	Two Post	366455	Oct. 21, 2004
Lorax 11	Two Post	366456	Oct. 21, 2004

*if credit for all work described in this report is granted

Work in 2001 was conducted from a helicopter-supported flycamp, which was located near the western end of the property on the Lorax 1 claim. Work consisted of geologic mapping, prospecting and soil sampling. The relative locations of the following geological and geochemical maps are indicated in the Index Map, Figure 5.

The Lorax property is situated fortuitously from both exploration and mining standpoints. Access to the Lorax property can be gained by air from the Goat Lake Mainline logging road in the Eldred River valley 5½ km to the east, or from the Cypress Mainline 1½ km to the north. The Cypress road leads to a log dump on Powell Lake, which is navigable by barge to within 1 km of tidewater at Powell River. The Goat Lake road is driveable to Powell River. These logging road access roads are indicated on Figure 4. A helicopter flight direct from Powell River takes about 20 minutes. The city of Powell River is a coastal community offering a deep sea port used by ocean-going freighters as well as numerous barge terminals. By staging from one of the existing roads, the proposed exploration program can test the showings on the Lorax property very cost effectively.

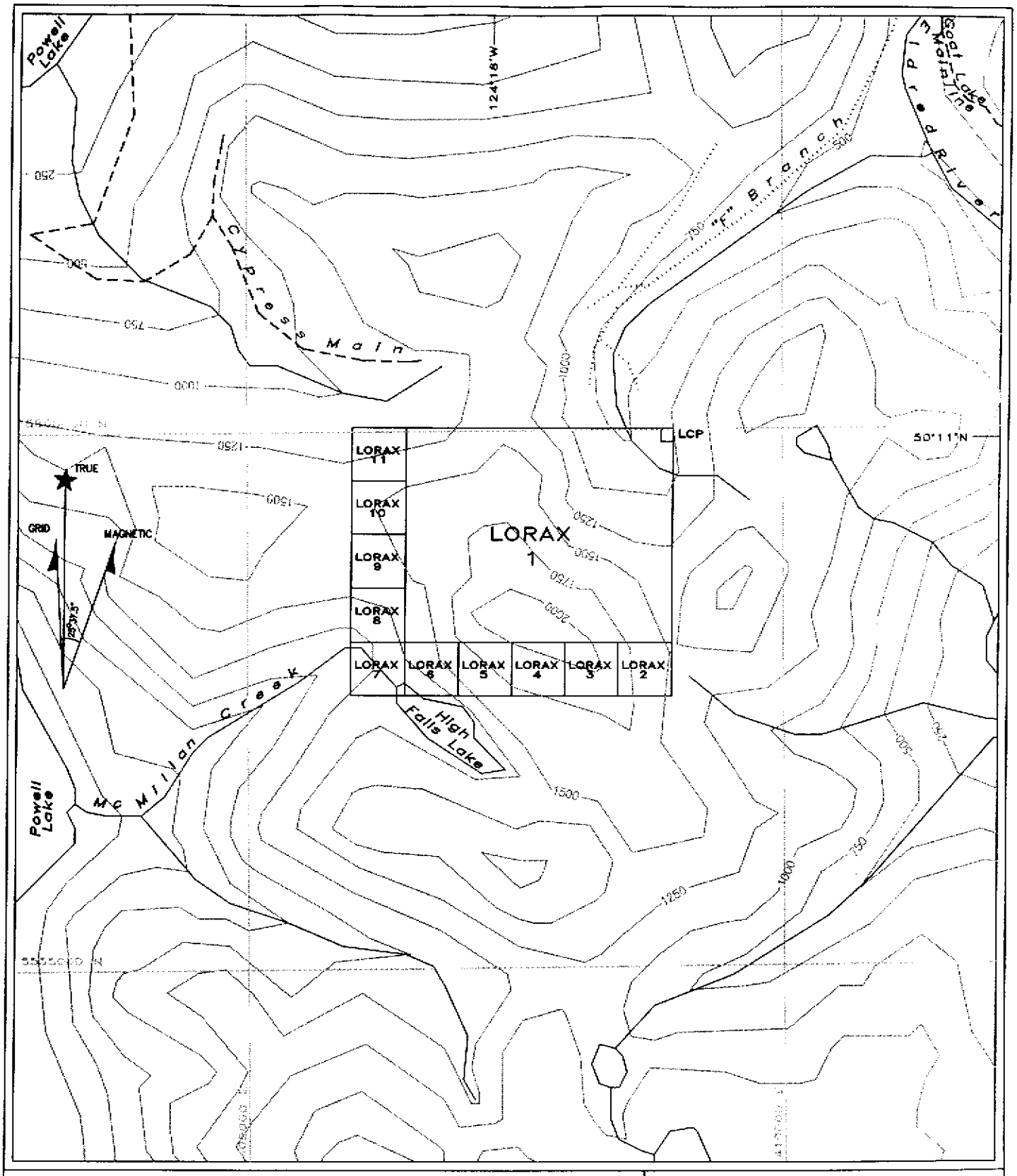

FIGURE 4

LORAX PROPERTY

CLAIM LOCATION

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DATE: FEB 11, 1999	FILE: LORAX/50CLAIM.DWG

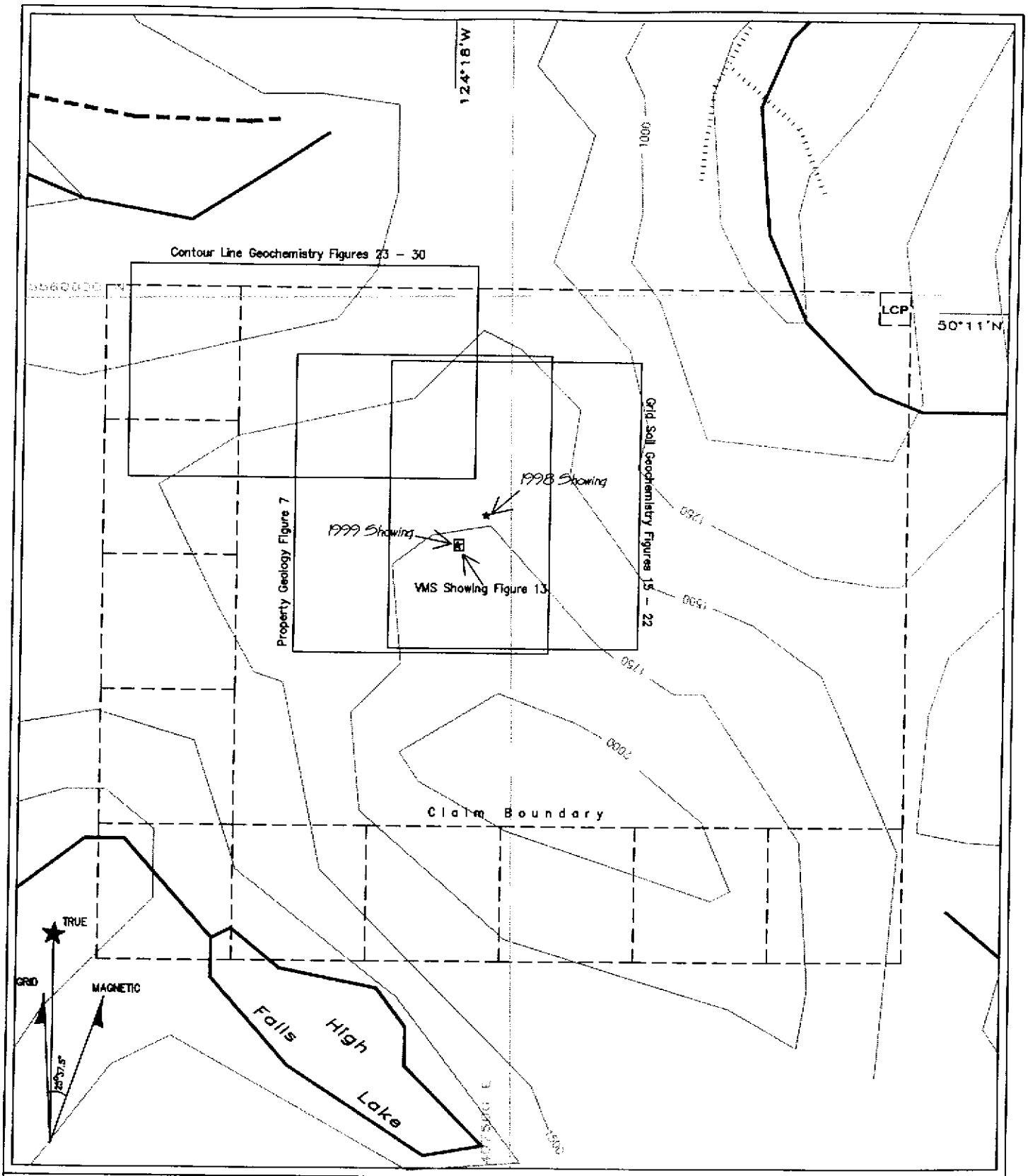

FIGURE 5

LORAX PROPERTY

MAP INDEX

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DATE: NOV. 22, 2001	FILE: LORAX/INDEX.DWG

PHYSIOGRAPHY & FLORA

The Lorax property is situated in mountainous terrain of the Coast Ranges. Topography is steep, with slopes of typically 50% to over 100%, and elevations ranging from 730m to 2091m. Impassable cliffs occur on the property.

Streams draining the eastern part of the property flow eastward into a tributary of the Eldred River, while those draining the western part flow west toward Powell Lake.

Vegetation on the valley floors consists of very thick growths of alder and salmonberry, and on the lower slopes consists of mature stands of old growth amabalis fir, western red cedar, yellow cedar and western hemlock. These give way to old growth yellow cedar and mountain hemlock scrub above 1070m. Above 1370m, scattered buckbrush, dwarf balsam, moss and grasses dominate, while steep talus slopes and cliffs are vegetated only by lichen.

REGIONAL GEOLOGY

The Lorax Property lies within a steeply dipping block, or pendant, of metasedimentary and metavolcanic rocks that lies engulfed in the main mass of the Coast Plutonic Complex (Figure 6). Pendants of Gambier Group, named for their type locality on Gambier Island in Howe Sound, have proven potential as hosts to VMS mineralization. They extend discontinuously from North Vancouver in the southeast to north of Loughborough Inlet in the northwest. The region was mapped by the Geological Survey of Canada in 1976, and the map published as Open File 480.

These pendants are thought to represent fault slices along which plutonic rock was thrust upwards (Roddick, 1976). The bounding shear zones in places still exist, and in many places are flanked by diorite. The dioritic rocks may represent remnants of a primitive granitoid basement upon which sedimentary and volcanic rocks were deposited.

The metamorphic rocks have undergone burial and subsequent deformation, probably in response to compressive forces transmitted through the North America Plate against oceanic crust. With the eventual onset of subduction, plutonic masses, formed during the compressive stage, began their movement upwards bounded by synplutonic faults.

The volcanogenic sulphide mineralization discovered on the Lorax property is thought to be syngenetic, having been deposited conformably with its host rocks about 125 million years before present.

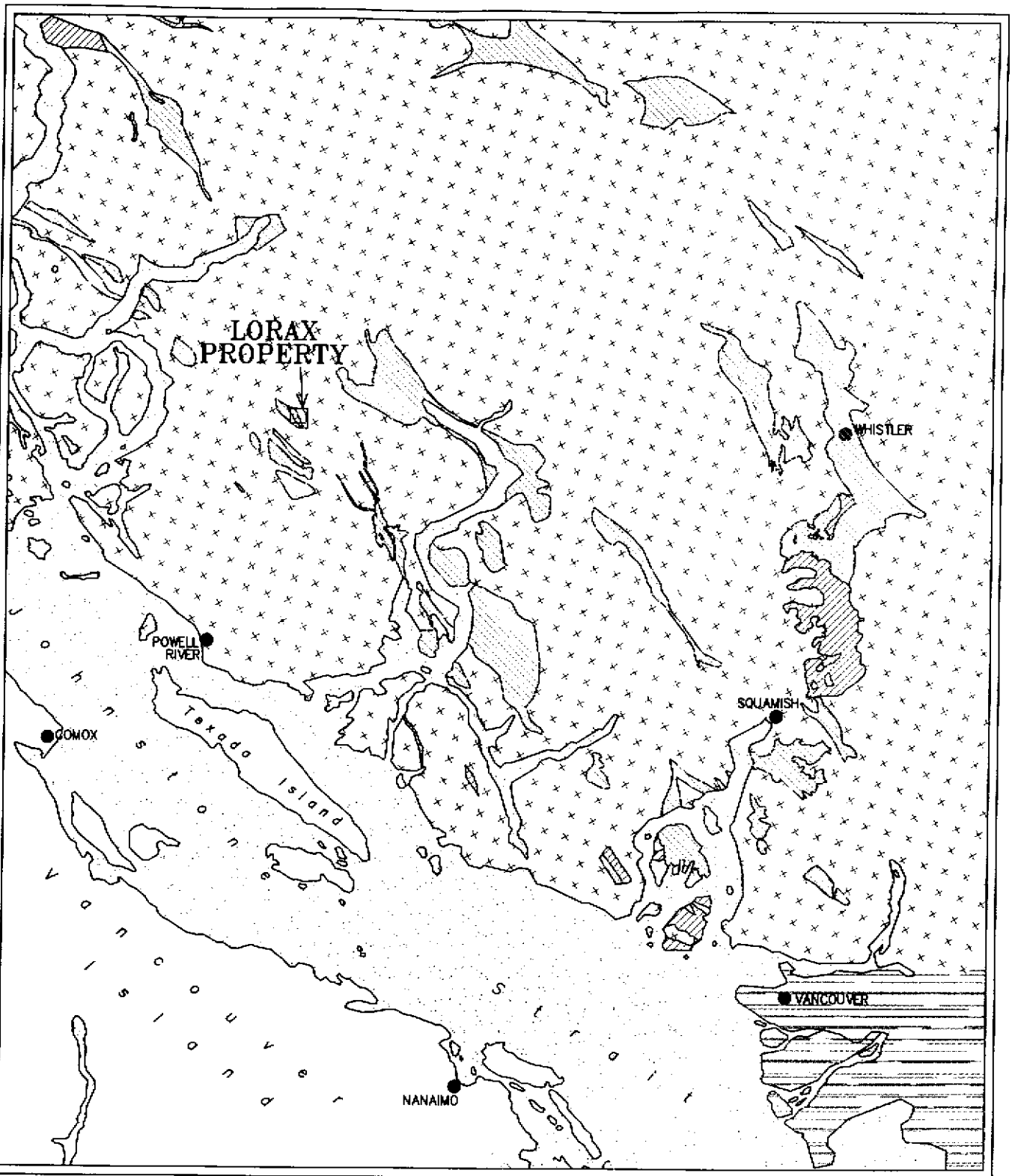

FIGURE 6

LORAX PROPERTY

REGIONAL GEOLOGY

Geology by Roddick et al, 1976; Roddick et al, 1976; Woodsworth, 1977

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DATE: SEPT 9, 1999	FILE: GENERAL\REGGEOL.DWG

REGIONAL GEOCHEMISTRY

A regional stream sediment survey published by the Geological Survey in 1988 indicates geochemical anomalies in streams that drain the Lorax property. The anomalies are summarized in the following table.

stream(s) weakly anomalous for	stream(s) moderately anomalous for
As	Cu, Zn, Pb, Ba, Co, Mo

REGIONAL GEOPHYSICS

In 1988, the Geological Survey published an airborne magnetometer survey as a series of 1:250,000 and 1:50,000 scale maps. The airborne magnetic map covering the Lorax Property and adjacent areas is map number 7703G.

The Lorax property is located in a zone of relatively low magnetic gradient, increasing to the south. The magnetic signature in the area appears to be largely controlled by topography.

PROPERTY GEOLOGY

The Lorax property covers a large part of a pendant of metamorphic rocks of Lower Cretaceous Gambier Group as indicated in Figure 6. Most of the property was mapped in detail during 2001 and is illustrated in Figure 7. Rocks mapped include low grade metamorphic rocks derived from volcanic and sedimentary sources.

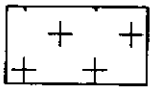
Four lithologic units were mapped. They are described below from oldest to youngest, from southeast to northwest. The best tops indicator observed is slightly deformed pillows occurring in mafic flows in Unit 1. The entire section appears to be conformable, and is thought to belong to Gambier Group. Units 1 and 4 are both mafic volcanic dominated and could be the folded equivalent of one another. The presence of a major fold structure, and thus repetition in the section, cannot be ruled out, although there is little other evidence to support the existence of such a structure.

Unit 1 appears to be the oldest unit in the section and is dominated by aphanitic to feldspar phyric mafic volcanic rocks. The unit is at least 250 metres thick. Near its southwestern contact with the Coast Plutonic Complex, the unit is marked by a <20 metre thick section of fine grained, thinly (<3cm) bedded, mature clastic rocks. The rest of the unit is dominated by massive mafic flows

Figure 7a

GEOLOGY LEGEND

Jurassic Coast Plutonic Complex



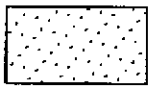
diorite, granodiorite

Lower Cretaceous Gambier Group

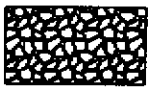
Unit 4

- feldspar phyric mafic flows, mafic fragmental rocks, pillow basalts, and feldspathic tuff
- grades from massive mafic volcanic rocks to layered mafic tuffs to minor mature clastic rocks
- Unit 4 differs from Unit 1 in that it is more highly deformed, and is locally metamorphosed to garnet-epidote assemblages

Unit 3



- thin bedded, mature, Gambier Group sediments, well-laminated, folded impure quartzite which shows prominent banded structure
- quartzite and clastic sediments also found in Units 2 and 3
- unit is >300 metres thick
- mineralogy and granoblastic texture of the quartzite are consistent with regional metamorphism of lower amphibolite facies
- banding is most likely an inherited primary sedimentary feature suggesting that recrystallization proceeded without deformation
- hosts:



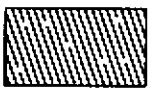
occasional 0.5 to 2 metre wide beds of rounded, heterolithic felsic fragmental rocks

Unit 2

- dominated by mafic flows, and, often, rusty-weathering pillow basalts
- distinguished from Unit 1 by the presence of significant intervals of bedded clastic rocks
- hosts:

★ VMS mineralization at or near its contact with Unit 1: massive bedded pyrite, sphalerite, chalcopyrite, galena with values of up to 7110ppm copper, 211 g/t silver, 12.2% zinc, 1.9% lead

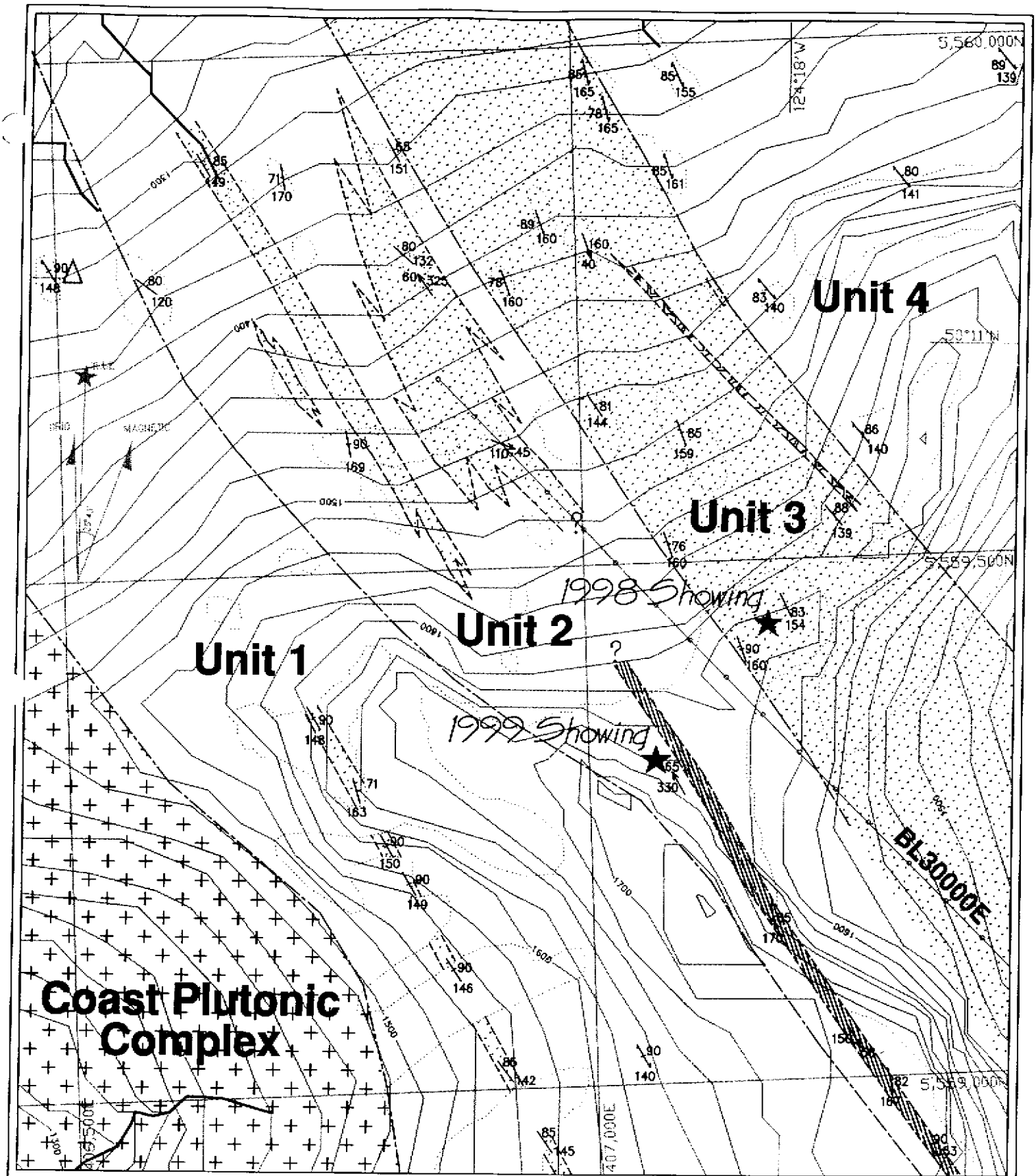
- sulphides are capped by a 0.2 metre thick, fine grained, massive, felsic, baritic tuff
- unit is approximately 50 to 250 metres thick, and appears to conformably overly Unit 1
- by whole rock analysis, basalt is likely primitive island arc type
- includes:



black, carbonaceous and sulphidic mudstone

Unit 1

- dominated by massive mafic flows and lesser pillowed and tuffaceously layered mafic volcanic rocks
- unit is at least 250 metres thick
- near its southwestern contact with the Coast Plutonic Complex, the unit is marked by a <20 metre thick section of fine grained, thinly (<3cm) bedded, mature clastic rocks



SYMBOL LEGEND

- 50 / 80 Foliation Attitude
- 90 / 180 Vertical Foliation
- 23 / 360 Lineation Attitude
- 50 / 180 Bedding Attitude
- Soil geochemistry grid baseline
- Outcrop Boundary
- Geologic Contact
- Unit Boundary
- 0 25 50 100 150 200 250m — 20m contour interval
- Sulphide Showing
- 2001 campsite
- Stream

FIGURE 7

LORAX PROPERTY

DETAIL GEOLOGY

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DATE: OCT 7, 2001	FILE: LORAX/2001GE.DWG

and lesser pillowed and tuffaceously layered mafic volcanic rocks. Pillow flows near the southwestern end of the unit are the least deformed rocks observed on the Lorax property. Near the top of the unit, in the vicinity of the VMS showing, pillow interstices are pyritic and rusty weathering. This area also hosts at least one, approximately 1 metre wide, synvolcanic (?) mafic dyke.

Unit 2 hosts VMS mineralization at or near its contact with unit 1. This unit is approximately 50 to 250 metres thick, and appears to conformably overly Unit 1. Unit 2, like Unit 1, is dominated by mafic flows, and, often, rusty-weathering pillow basalts. The two units are distinguished by the presence in Unit 2 of significant intervals of bedded clastic rocks. These occur as 3 to 20 metre wide bands separated from one another by thicker mafic flows, pillow basalts and tuffs. A typical specimen of the pillow basalt was analyzed by a whole rock method and the resulting data plotted on four types of tectonic affinity diagram (Figures 8 - 11). The various diagrams indicate that the rock lies within MORB, CAB, or transitional fields (see diagram captions for definitions). Rather than allowing any single such diagram to define the rock specimen, the suite of diagrams was interpreted. It is proposed that rocks of the Lorax property are of a primitive island arc. This is supported by the property geology as well as the relatively low geochemical values for lead, arsenic and antimony in the sulphides. A primitive island arc is a favorable setting for VMS mineralization. Thin (<10m

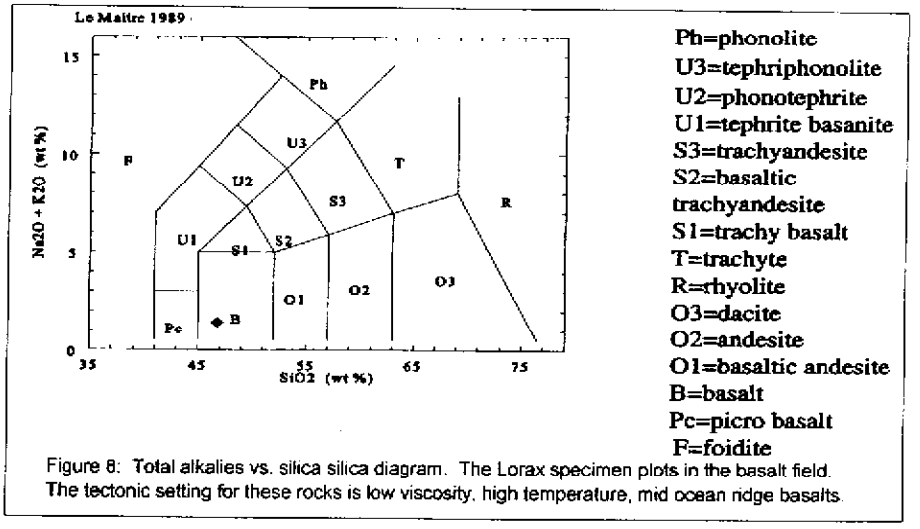


Figure 8: Total alkalies vs. silica silica diagram. The Lorax specimen plots in the basalt field. The tectonic setting for these rocks is low viscosity, high temperature, mid ocean ridge basalts.

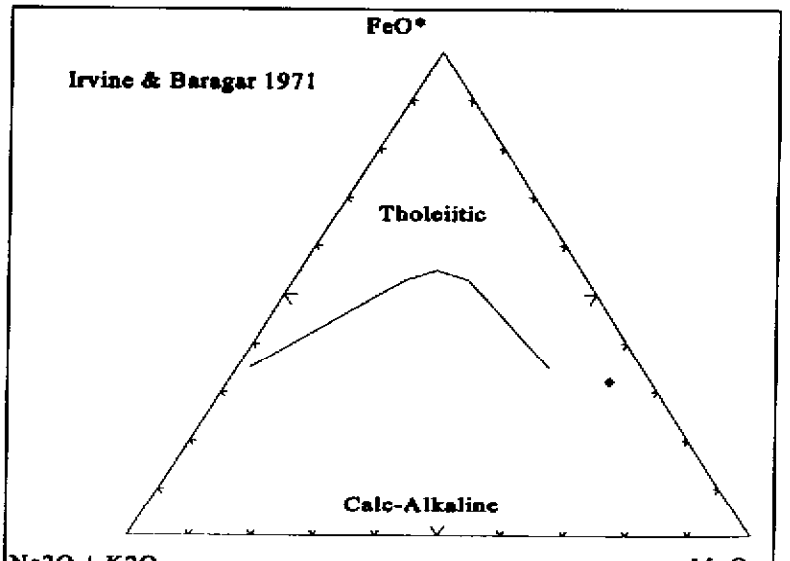


Figure 9: AFM (Alkalies, Iron and Magnesium oxide) diagram showing the Lorax basalt plotting a transitional field where the boundary between tholeiites (mid-ocean ridge basalt) and calc-alkaline basalts is not well defined.

wide), strongly foliated, laminated quartzite bands were also observed. Like Unit 1, Unit 2 appears to become more sediment dominated along strike to the southeast. Unit 2 also appears to thin as it strikes southeast. This is best seen in the vicinity of the VMS showing, where massive, mafic flows and pillow basalts of Unit 2 are almost entirely replaced by a section consisting of 15 metres of fine-grained mafic tuff, lesser felsic tuff, feldspar phyric mafic flow (?) rocks, minor carbonate and volcanogenic massive sulphide. This in turn is overlain by >10 metres of black, carbonaceous and sulphidic mudstone. Rocks from this section are often very rusty weathering and contain up to 10% pyrite. The black mudstone unit is traceable from the VMS showing, across the cliff face southeast for approximately 500 metres, and onto a plateau. The high sulphidic content in the mudstone suggests that the ore-forming exhalative activity was long-lasting, even if base metals poor, and that the rocks were deposited in a reducing environment. This supports the possibility of further base metals mineralization in facies equivalent rocks, or immediately up or down section. Another implication of the sulphidic shales having been deposited in an anoxic environment is that VMS mineralization below the shales is more likeley to be preserved rather than being oxidized in the water column. Further, a specimen of the mudstone was weakly anomalous for gold and silver, suggesting possible exhalative activity elsewhere at that stratigraphic level.

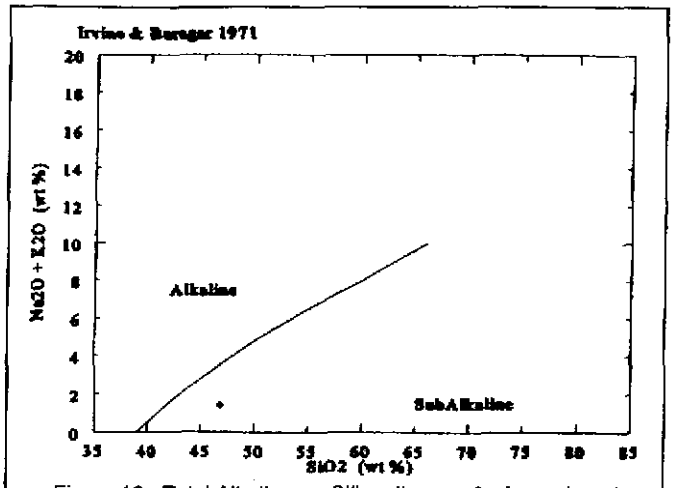


Figure 10: Total Alkalies vs. Silica diagram for Lorax basalt specimen confirms that the rock is sub-alkaline (either mid-ocean ridge or island arc) and not a continental rock.

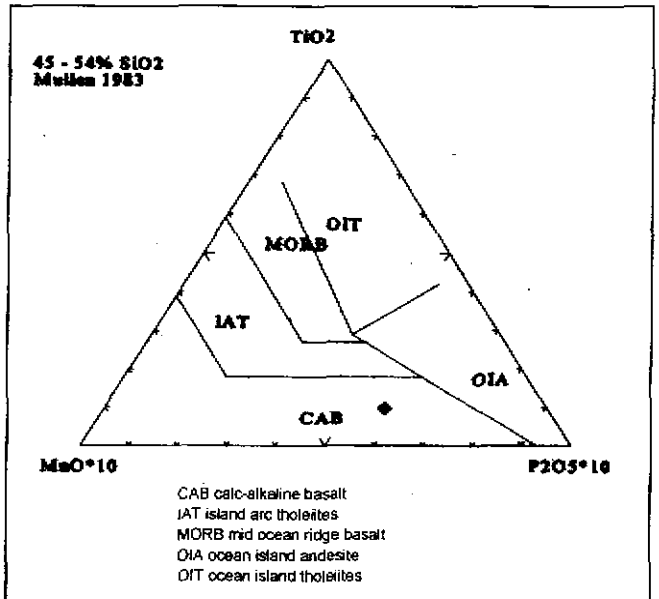


Figure 11: Mullen diagram shows the Lorax basalt plotting in the calc-alkaline basalt field

Unit 3 consists of a >300 metre section of thin bedded Gambier Group sediments. These rocks are occasionally rusty weathering and host minor, well-laminated, folded impure quartzite which shows prominent banded structure. Thin section examination of the quartzite shows that leucocratic layers are a fine-grained quartzite, characterized by

typical granoblastic texture. It consists dominantly of a polygonal mosaic of quartz, showing small-scale laminar variations in grain size from about 20 to 50 microns up to 100 to 200 microns. Biotite is a prominent accessory -- typically most abundant in the finest quartz laminae, where it occurs as individual, strongly oriented flakes, 20 to 100 microns or so in length, paralleling the laminar structure. Only very rarely do the biotite flakes coalesce to form schlieren. Rare, thin zones of sericite, and tiny, discordant wisps of what appears to be fine-grained tremolite/actinolite, are trace constituents of the quartzite. Some layers contain scattered small pseudomorphs of limonite (after original traces of pyrite?) and/or are more or less strongly brown-stained by intergranular films of redistributed limonite. The melanocratic zones are of distinctive composition. The dominant constituent is sericite, as imperfectly oriented flakes and felted aggregates. This occurs intergrown with lenticles of what appears to be mainly microgranular plagioclase, together with ill-defined ovoid grains, 0.1 to 0.5 mm in size, which are speckled with abundant, minute, polymineralic inclusions, and resemble cordierite (but may, in fact, simply be albite porphyroblasts). This assemblage is dusted with minute, evenly disseminated, equant grains of an opaque constituent -- probably magnetite. It is sharply gradational with the flanking quartzite via thin hybrid zones in which biotite shows partial chloritization. This rock has the appearance of a quartzitic metasediment (possibly a meta-chert) with a primary (bedded) intercalation of feldspathic material -- possibly of tuffaceous origin. The mineralogy, and the crystallographically oriented, granoblastic texture of the rock are consistent with regional metamorphism of lower amphibolite facies. The banding is most likely an inherited primary sedimentary feature suggesting that recrystallization proceeded without deformation. Unit 3 also hosts occasional 0.5 to 2 metre wide beds of rounded, heterolithic felsic fragmental rocks. Unit 3 is the most homogeneous of the four Gambier Group units mapped, and its lower boundary with Unit 2 is sharp, and probably depositional.

Unit 4, the uppermost unit of the Lorax section is composed of feldspar phyric mafic flows, mafic fragmental rocks, pillow basalts, and feldspathic tuff. The lower contact of this unit is gradational over a few tens of metres. This contact is marked by intervals of thin bedded, feldspathic mafic tuff and more massive mafic flows that are intercalated with fine-grained, thin-bedded, mature sediments characteristic of Unit 3. Near its upper contact with granodiorite of the Coast Plutonic Complex, Unit 4 grades from massive mafic volcanic rocks to layered mafic tuffs, which in turn grade into thin bedded mature clastic rocks similar in appearance to those hosted in Units 1 and 2 and comprising Unit 3. These clastic rocks soon give way to dykes and "granitization" of the Coast Plutonics. Although mafic dominated, Unit 4 differs from Unit 1 in that it is more highly deformed, and is locally metamorphosed to garnet-epidote assemblages. It also appears to contain less thin bedded, mature sediment than either Unit 1 or 2.

PROPERTY MINERALIZATION

During 2001, shallow hand trenching was carried out over a massive sulphide showing (Figure 12) which had been discovered near the centre of the Lorax property in 1999. That showing, illustrated in Figure 13, now has a surface strike length of 10 metres. At its widest, one sulphide lens measures 1.1 metres wide. 1998 work had located a 0.2 metre thick sulphide lens 175m further north. Specimens of the sulphides were submitted to Chemex Labs in North Vancouver, BC, where they were crushed and pulverized to 150 mesh, split, digested in a nitric aqua regia acid solution and analyzed for 32 elements using an induced coupled plasma (ICP) technique. Selected samples were further analysed for any of copper, zinc, lead, silver, gold or a combination of these elements by direct assay. Certificates of Analysis appear in Appendix II.

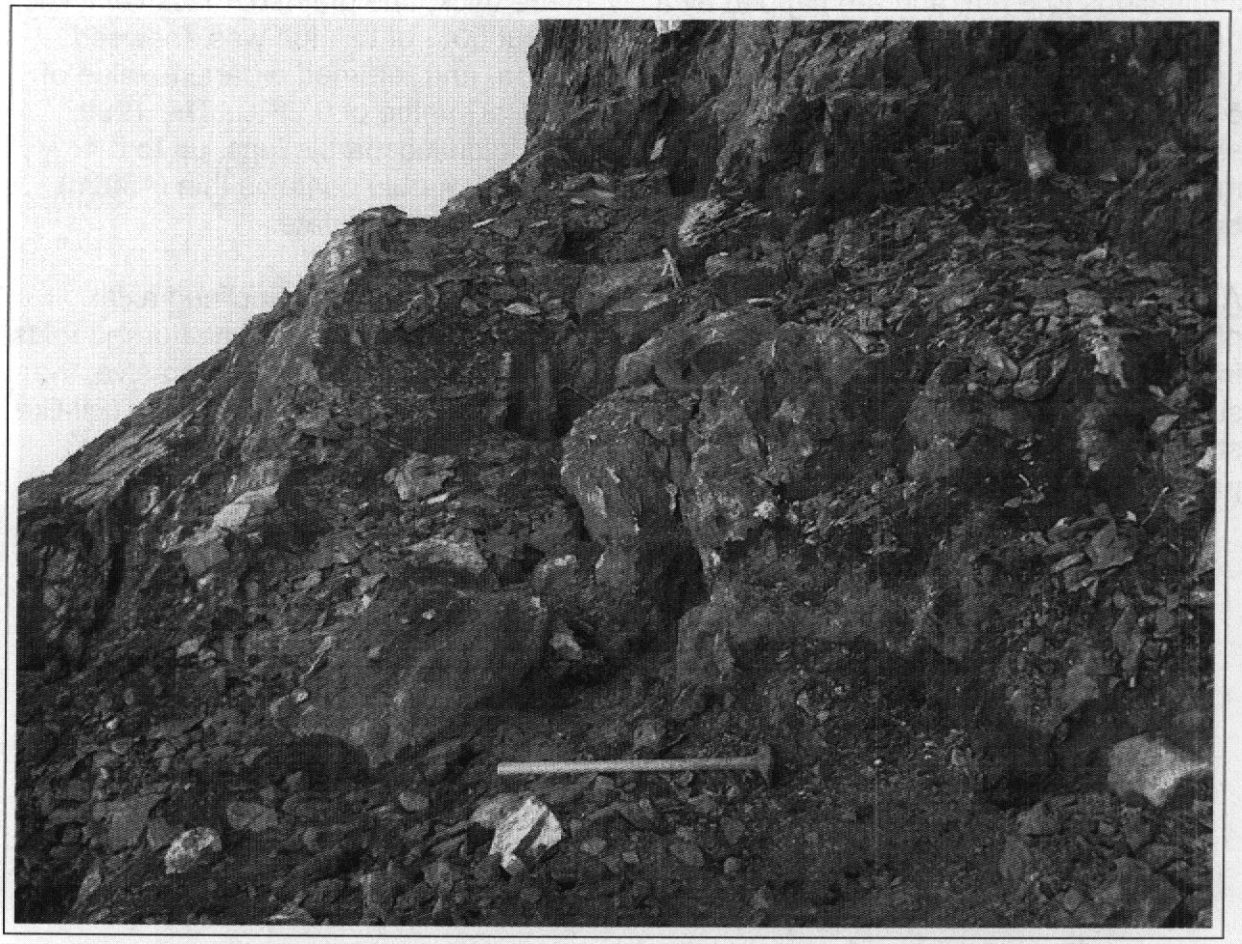


Figure 12: 1999 Showing; view east along strike.

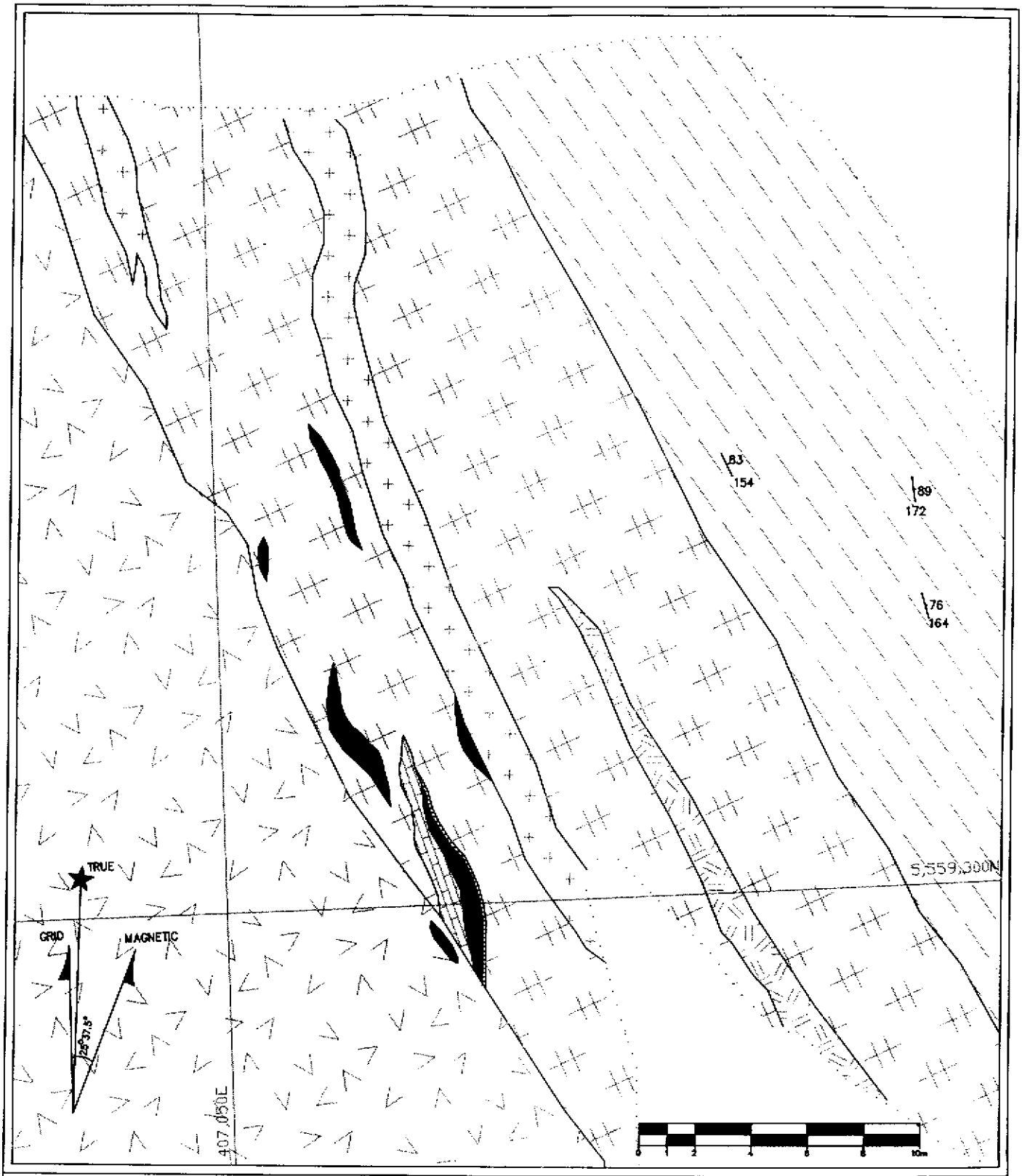
The two lenses differ from one another in that the 1999 sulphide lens is zoned and contains pyrite, chalcopyrite, sphalerite and galena, while the 1998 lens is devoid of galena, and exhibits no zoning. The 1999 showing contains 1844ppb gold across a width of 0.7 metre, including 2590ppb gold across 0.3 metre, while the 1998 showing contains 25ppb gold.

Specimens collected from subcrop beside the 1999 showing, or chip samples from the showing itself, returned values of up to 7110ppm copper, 211 g/t silver, 12.2% zinc and

Specimens collected from subcrop beside the 1999 showing, or chip samples from the showing itself, returned values of up to 7110ppm copper, 211 g/t silver, 12.2% zinc and 1.90% lead. Locations of rock samples collected from the showing are shown in Figure 14. Many of the samples are of strongly weathered rock that has been leached in situ. It is likely that metals grades in the underlying fresh sulphides are considerably higher than those obtained from the leached material. A specimen from the 1998 showing returned values of 1.43% zinc, 0.45% copper, 19ppm silver, 139ppm cobalt and 120ppm cadmium.

The sulphide beds are fine to coarse grained and weathered to black, orange or red oxides. The 1998 showing is hosted by fine-grained clastic sediments, while the 1999 showing is hosted by mafic tuff (Figure 6). The sulphides of the 1999 showing exhibit laminations to 5mm, and are capped by a 0.2 metre thick, fine grained, massive, felsic, baritic tuff. A sample (M500384) composed of about 50% of this tuff was analysed using an ICP technique following triple acid digestion, and returned a barium value of 5100ppm. Further analysis by ICP-MS returned a BaO value of 0.28%. The 1999 showing also contains a coarse (to 5 mm) grained dolomitic marble lens, up to 0.4 metre thick, adjacent to the largest sulphide lens. The marble contains thin (<5mm) bands of pyrite and sphalerite, consistent with an exhalite carbonate.

A small fold of a pyrite lamination within the sulphides has a steeply inclined axial plunge consistent with the orientations of plunge axes of small (0.2 m) overturned folds in mafic tuff near the 1999 showing. If this fold attitude and lineation is pervasive, the sulphide showings observed at surface have the potential to form rod-like or pencil-like structures of relatively small cross-sectional area but long plunge length which can penetrate to depths of hundreds of metres.



LEGEND

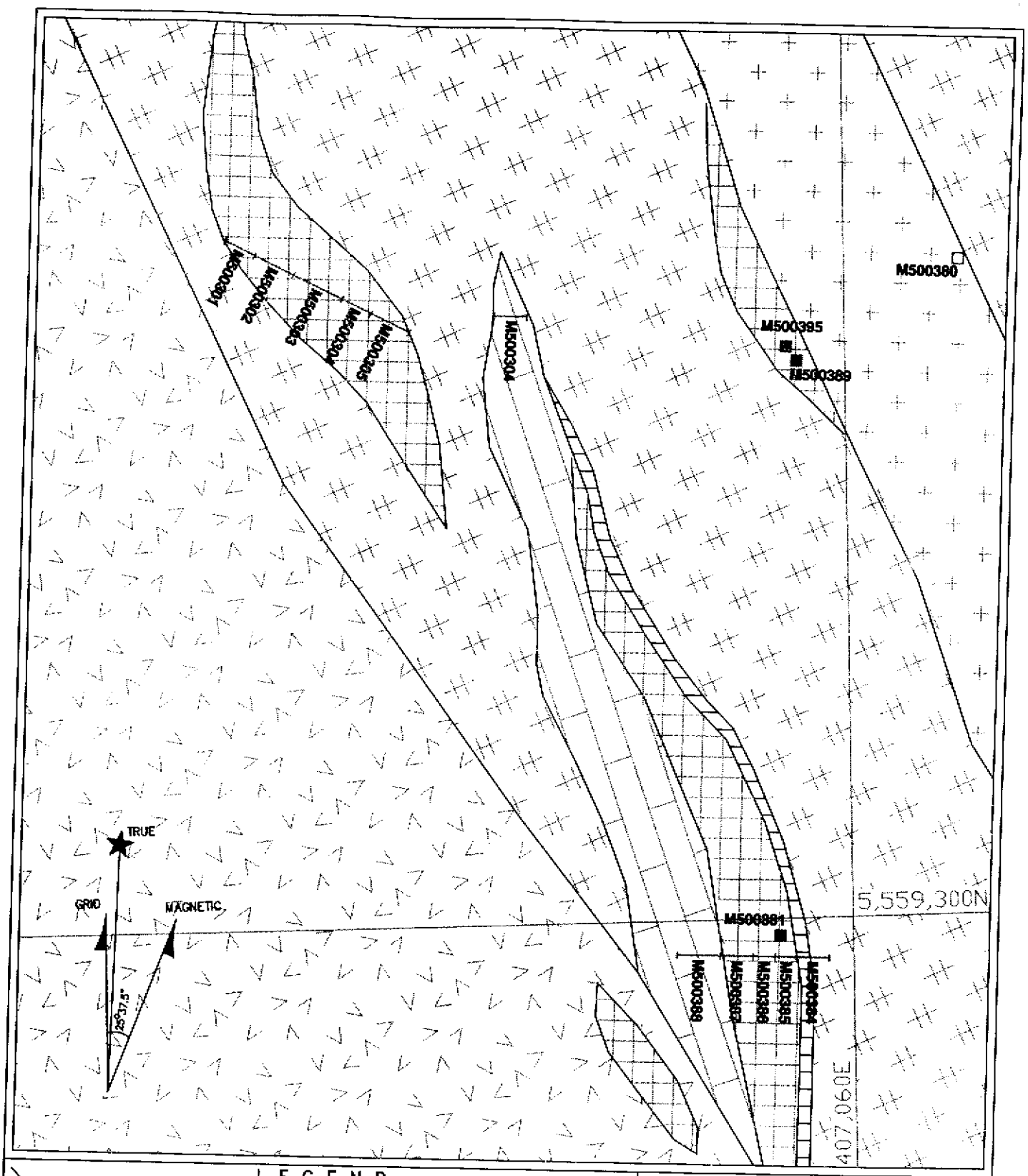
- 50 / 180 Foliation Attitude
- 90 / 180 Vertical Foliation
- 23 / 360 Lineation Attitude
- 50 / 180 Bedding Attitude
- Carbonaceous mudstone
- Mafic flow
- Felsite
- Clastic tuff
- Massive sulphides
- Marble
- Mafic tuff
- Mafic flow
- Geologic Contact
- Outcrop Boundary

FIGURE 13

LORAX PROPERTY

1999 VMS SHOWING

DRAWN BY: AB	PRODUCED AT: 1:200
DATE: NOV. 15, 2001	FILE: LORAX/DETAIL.DWG



LEGEND

Geologic Contact

0 0.25 0.5 1 1.5 2 2.5km

M500381 Rock chip sample with sample number

M500381 Rock outcrop specimen sample with sample number

M500381 Rock float sample with sample number

Mafic tuff

Felsite

Baritic tuff

Massive sulphides

Marble

Mafic flow

FIGURE 14a

LORAX PROPERTY

1999 VMS SHOWING ROCK SAMPLE LOCATIONS

DRAWN BY: AB	PRODUCED AT: 1:50
DATE: NOV. 15, 2001	FILE: LORAX/SAMPLES.DWG

Figure 14b: Rock sample analyses

Sample No.	Interval	Cu	Pb	Zn	Ag	Au
M500380	specimen	3810ppm	26ppm	4.91%	26.6ppm	165ppb
M500381	specimen	7110ppm	38ppm	7.38%	48.8ppm	290ppb
M500384	0.3m	152ppm	22ppm	382ppm	1.2ppm	*
M500385	0.2m	2590ppm	870ppm	6130ppm	59.2ppm	480ppb
M500386	0.2m	4050ppm	1835ppm	1.71%	46.2ppm	245ppb
M500387	0.3m	5930ppm	1.9%	3310ppm	211g/t	2590ppb
M500388	0.4m	546ppm	338ppm	2350ppm	12.0ppm	*
M500301	0.3m	4430ppm	42ppm	7970ppm	26.6ppm	155ppb
M500302	0.4m	3120ppm	2550ppm	4770ppm	55.4ppm	550ppb
M500303	0.5m	1040ppm	130ppm	12.25%	12.4ppm	94ppb
M500304	0.3m	3270ppm	236ppm	8090ppm	12.4ppm	175ppb
M500305	0.4m	9950ppm	6280ppm	9.14%	34.6ppm	540ppb
M500306	0.3m	224ppm	36ppm	1320ppm	13.0ppm	20ppb
M500395	specimen	5260ppm	1210ppm	7660ppm	150g/t	930ppb

*this sample not analyzed for Au

PROPERTY GEOCHEMISTRY

154 grid soil samples and 37 reconnaissance soil and moss mat silt samples have been collected from the Lorax property. Sample locations were marked with lath pickets to which aluminum tags with inscribed sample numbers were stapled. All soil samples were submitted to ALS Chemex Labs Ltd. in North Vancouver, BC where they were screened to 150 mesh, split, digested in a nitric aqua regia acid solution and analyzed for 32 elements by an induced coupled plasma (ICP) technique. Certificates of Analysis appear in Appendix II.

A statistical analysis was performed on a population of soil samples collected during a regional exploration program conducted in the Powell River region during 1998 and 1999. A total of 522 soil samples are included in the analysis, all of which were collected over roof pendants of metamorphic Gambier Group rocks. The resulting data, summarized in the following table, were used to establish thresholds for geochemical anomalies.

Anomalous thresholds for 522 soil samples

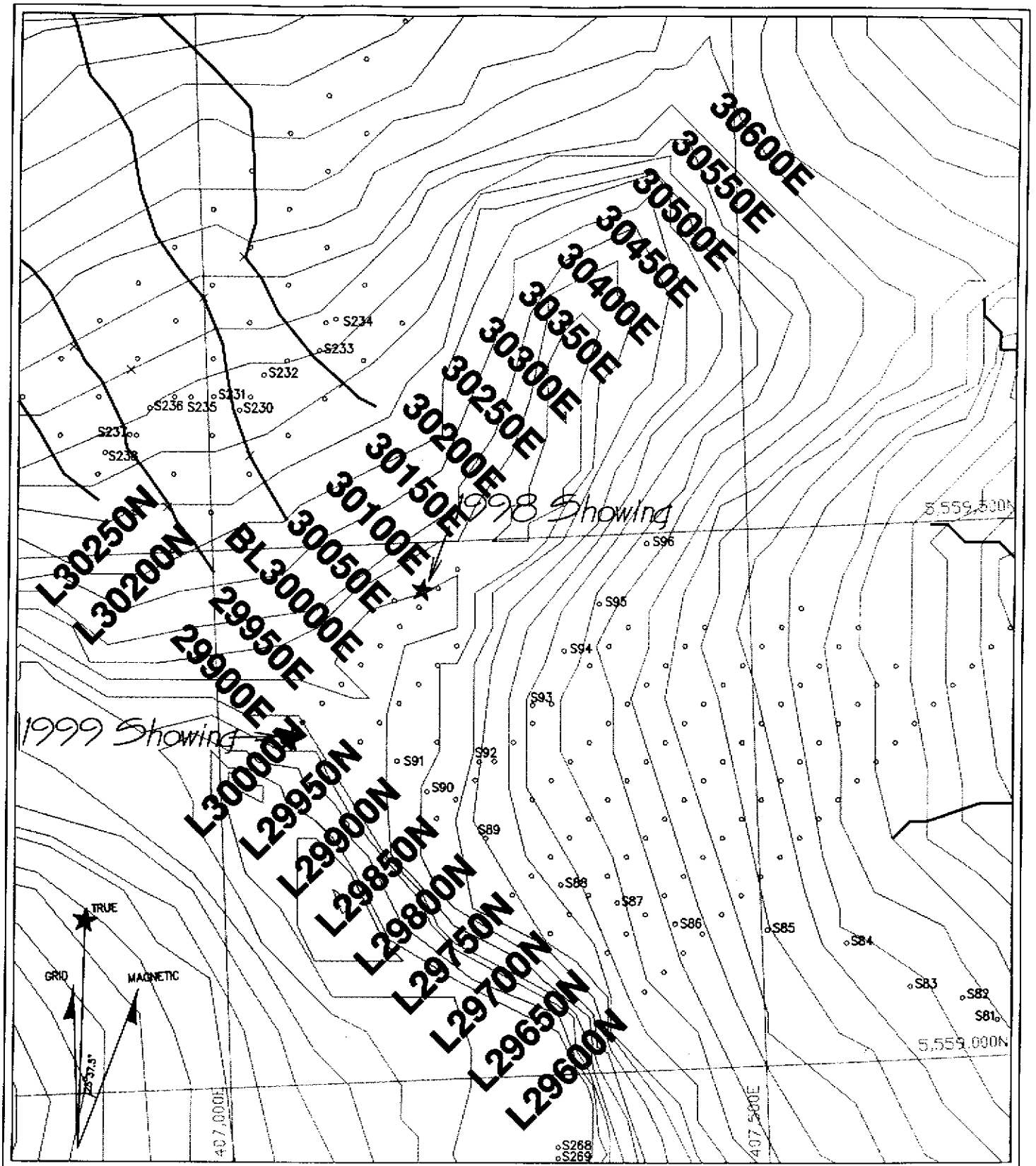
Element	Anomalous threshold (ppm)				
	Background	Weak	Moderate	Strong	Peak
Cu	25	45	90	180	1775
Zn	15	30	60	120	3650
Ag	<0.2	0.3	0.6	1.0	48.8
Co	4	6	12	25	83
Ba*	75	150	300	600	1510
As	7	15	30	60	750
Pb	2	5	10	20	584

*partial digestion

The grid soil samples indicate anomalous zones for a number of base metals and silver (Figures 15-30). The geochemical patterns for some elements cannot be explained by downhill dispersion from a point source, suggesting that the mineralization observed in outcrop at the ridgetop extends beneath overburden. For instance, anomalous copper and lead values near the southern corner of the grid are not likely a result of downhill dispersion from the ridgetop, nor are anomalous zinc values near the northeastern ends of lines 29700N, 29750N, 29800N, 29850N.

Arsenic values are extremely anomalous on lines 20700N and 20750N at 30050E. This location is directly on strike with the 1998 showing. The sulphides in that showing contain considerable arsenic (260ppm), while the sulphides in the 1999 showing contain very little arsenic. This suggests continuity of the 1998 lens. Arsenic is an indicator mineral in numerous sulphide occurrences.

The reconnaissance sample line (Figures 23-30) uses elevation for control. A moss



∘ Soil sample location

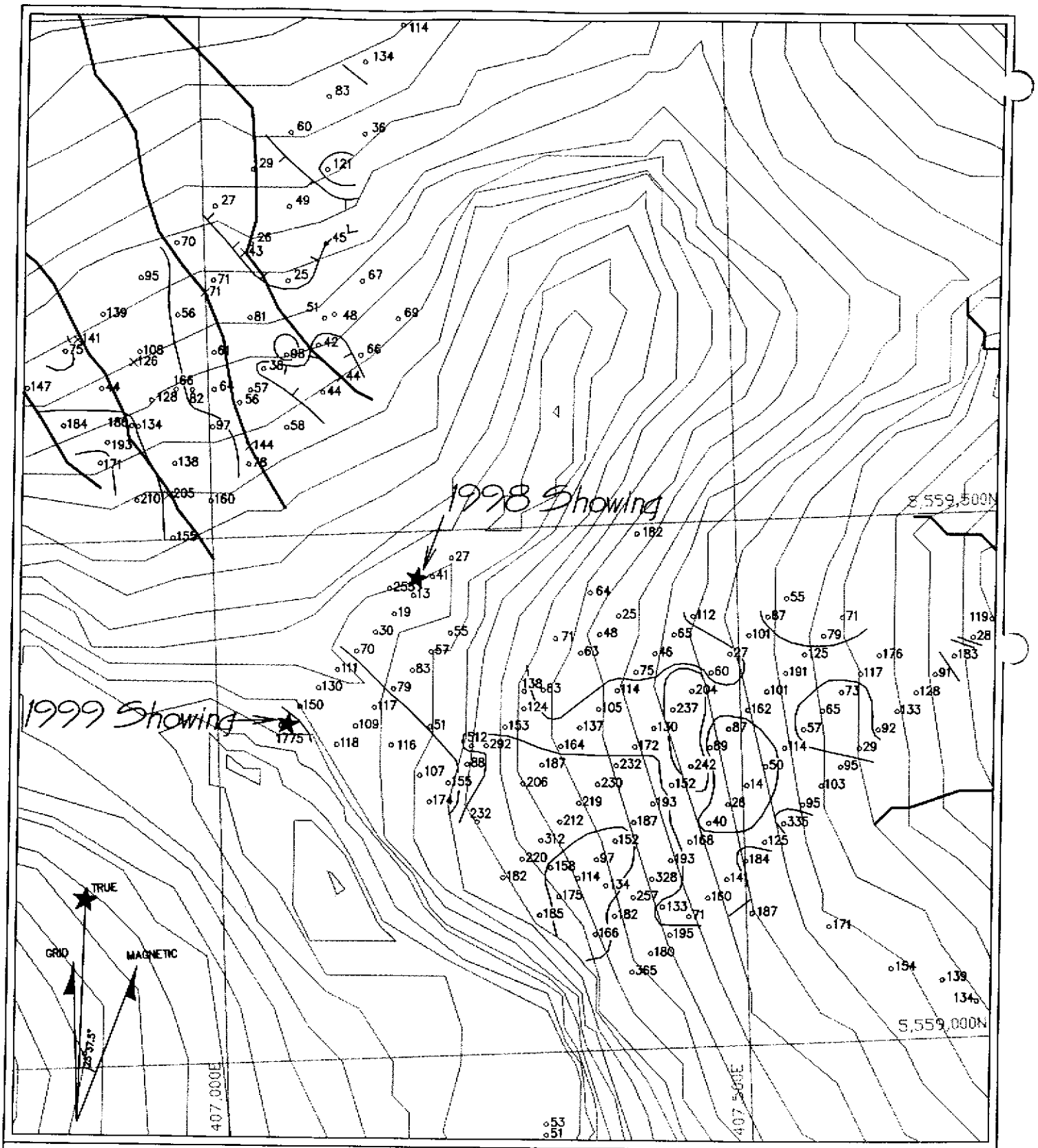
× Silt sample location

FIGURE 15

LORAX PROPERTY

GRID SAMPLE LOCATIONS

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGR1.DWG



o22 Soil sample location with copper value in ppm

x13 Silt sample location with copper value in ppm

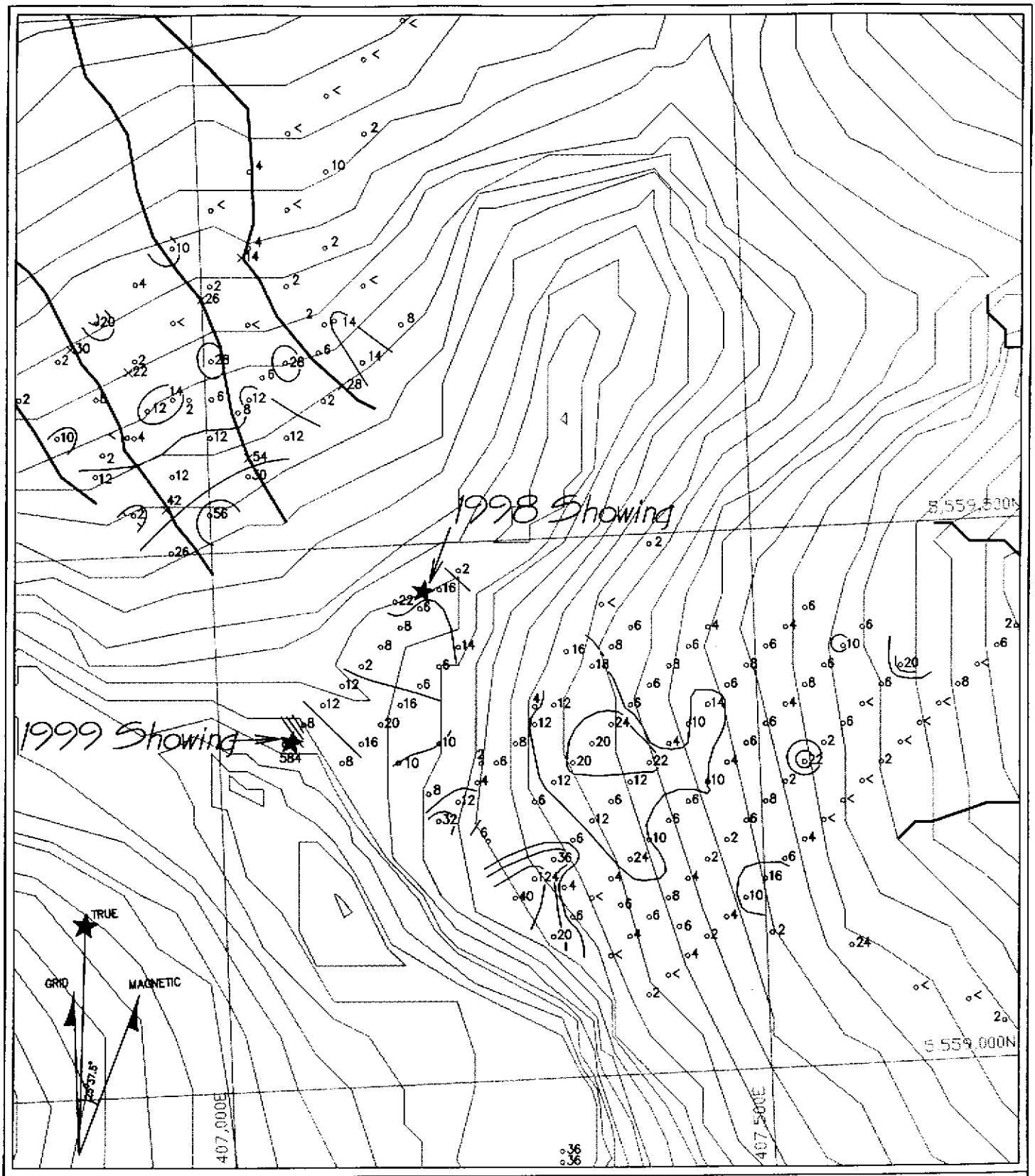
0 50 100 200 300 400 500m

FIGURE 16

LORAX PROPERTY

COPPER
SOIL GRID GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRID.DWG



o36 Soil sample location with lead value in ppm
o< Soil sample location with lead value below detection limit
x19 Silt sample location with lead value in ppm

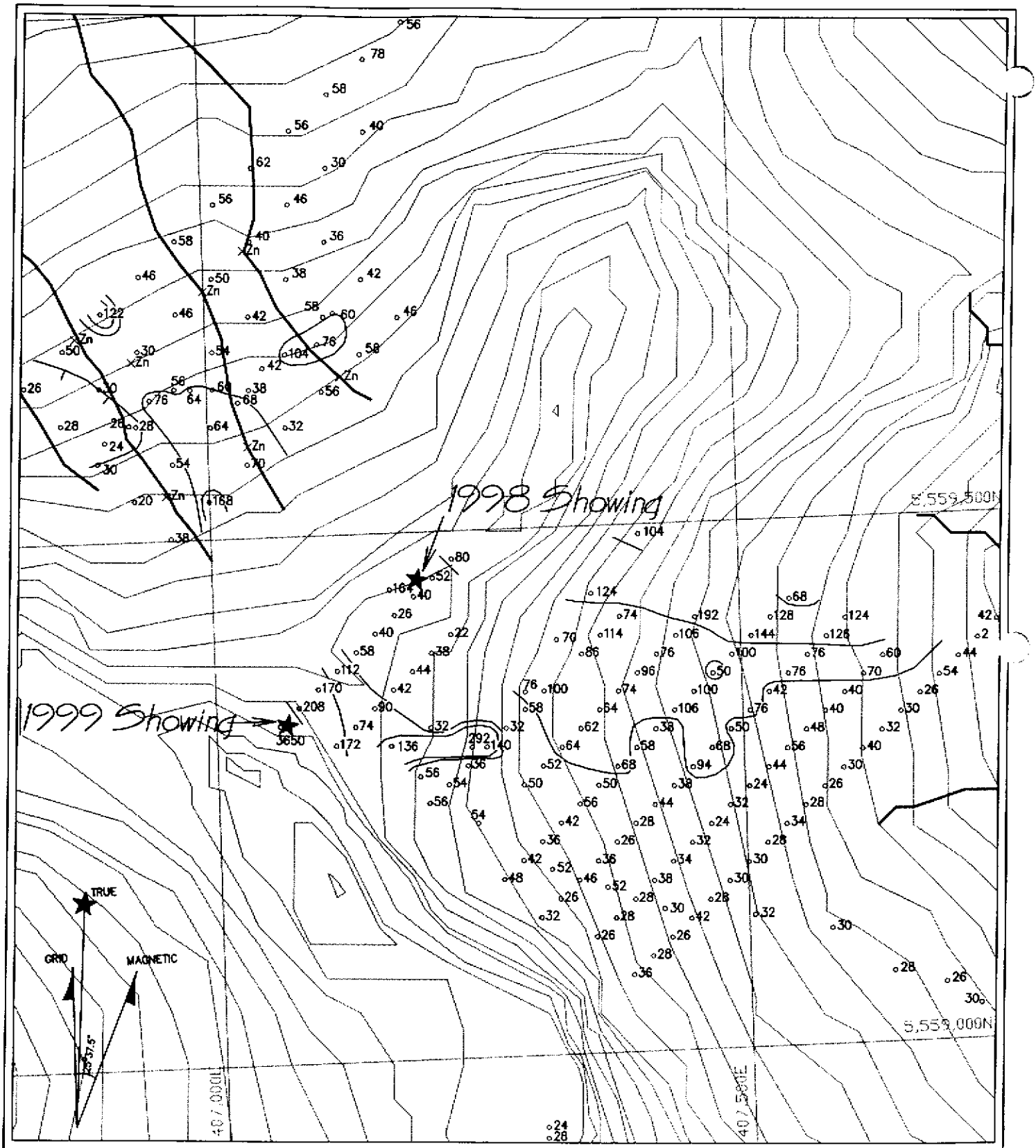
0 50 100 200 300 400 500m

FIGURE 17

LORAX PROPERTY

LEAD
SOIL GRID GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRI.DWG



o120 Soil sample location with zinc value in ppm

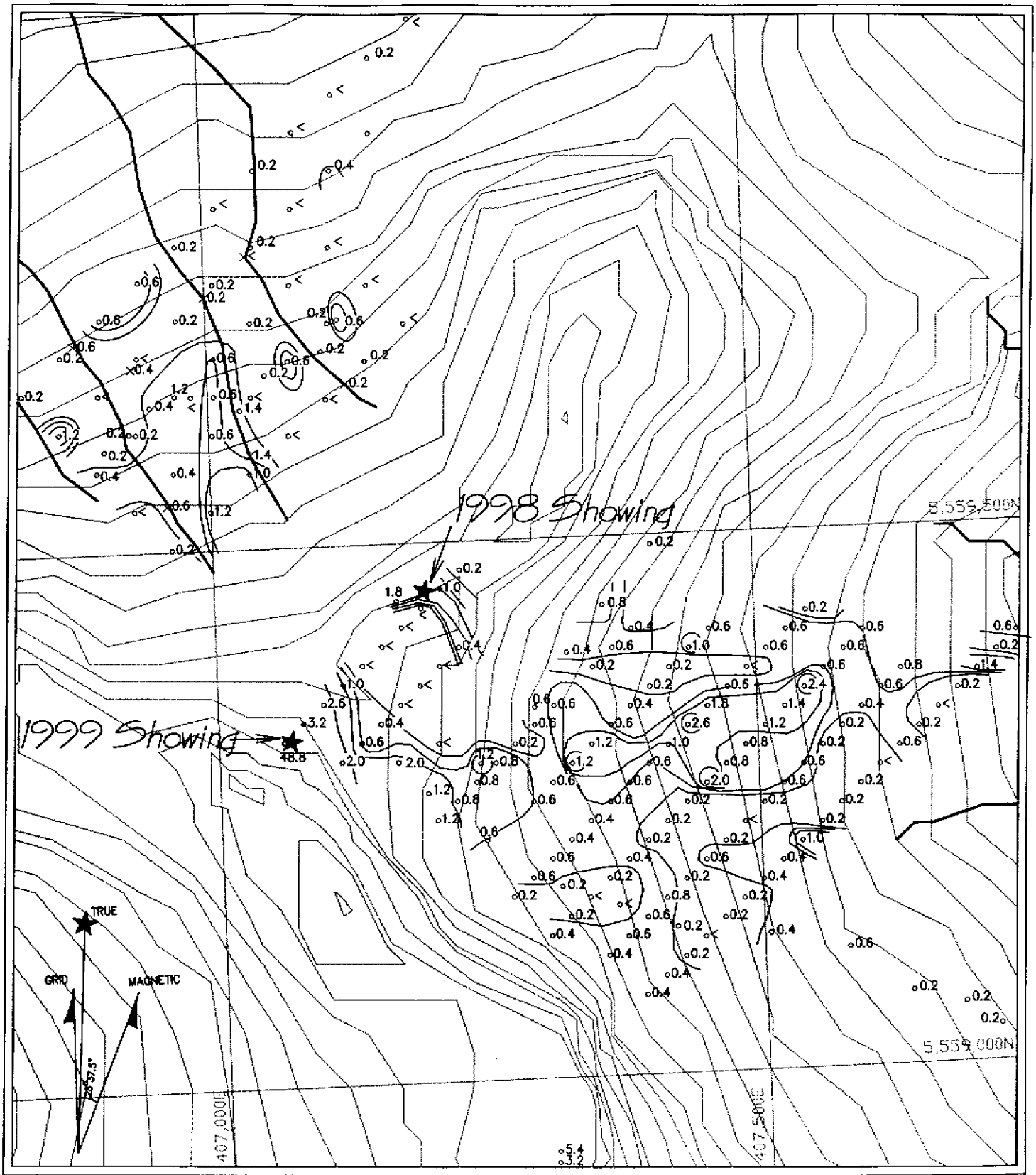
×46 Silt sample location with zinc value in ppm

FIGURE 18

LORAX PROPERTY

ZINC
SOIL GRID GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRI.DWG



o1.2 Soil sample location with silver value in ppm
o< Soil sample location with silver value below detection limit
x0.4 Silt sample location with silver value in ppm

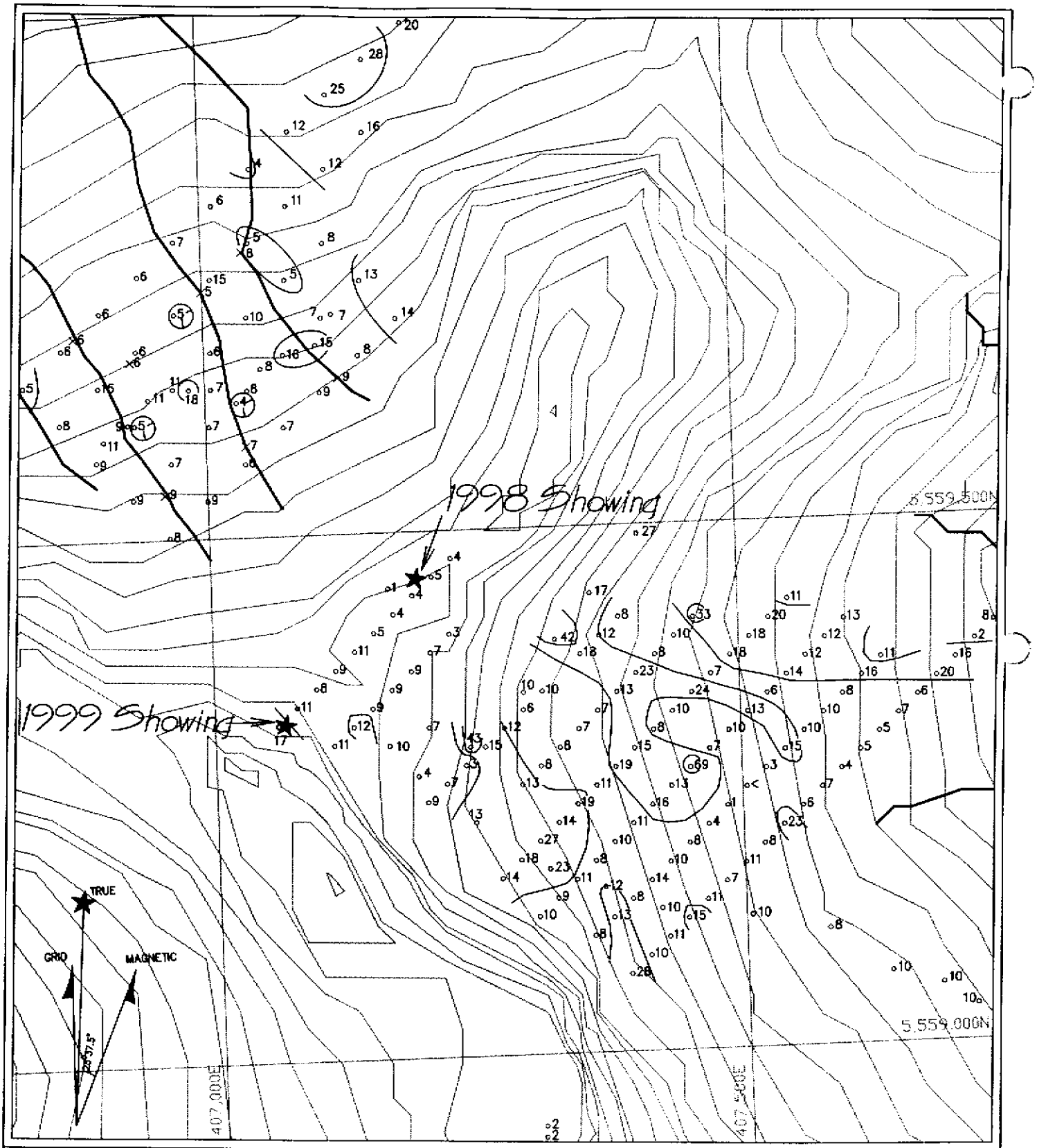
0 50 100 200 300 400 500m

FIGURE 19

LORAX PROPERTY

SILVER
SOIL GRID GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRI.DWG



o25 Soil sample location with cobalt value in ppm

x12 Silt sample location with cobalt value in ppm

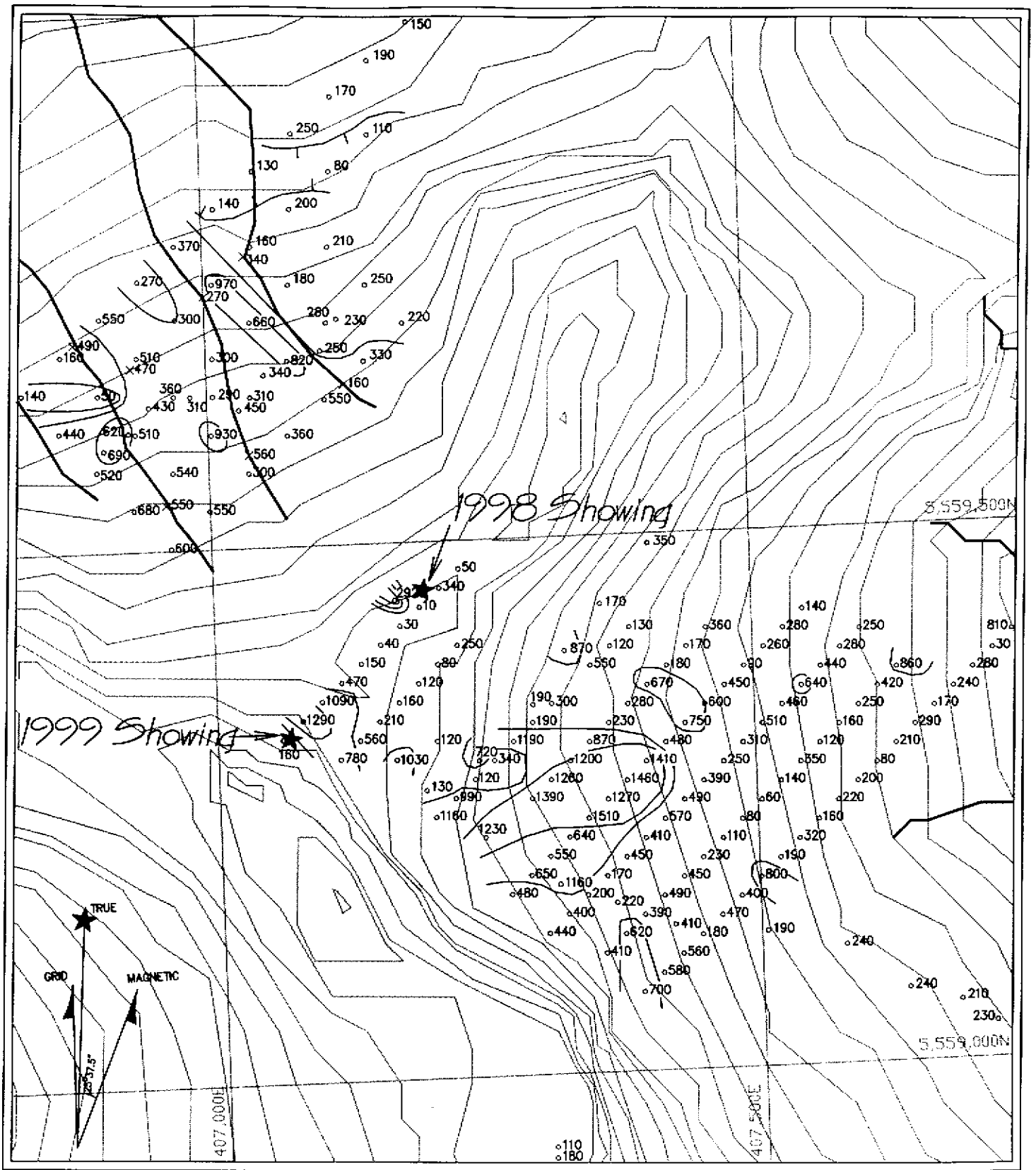
0 50 100 200 300 400 500m

FIGURE 20

LORAX PROPERTY

COBALT
SOIL GRID GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRL.DWG



o1200 Soil sample location with barium value in ppm

x600 Silt sample location with barium value in ppm
NB: Partial digestion only

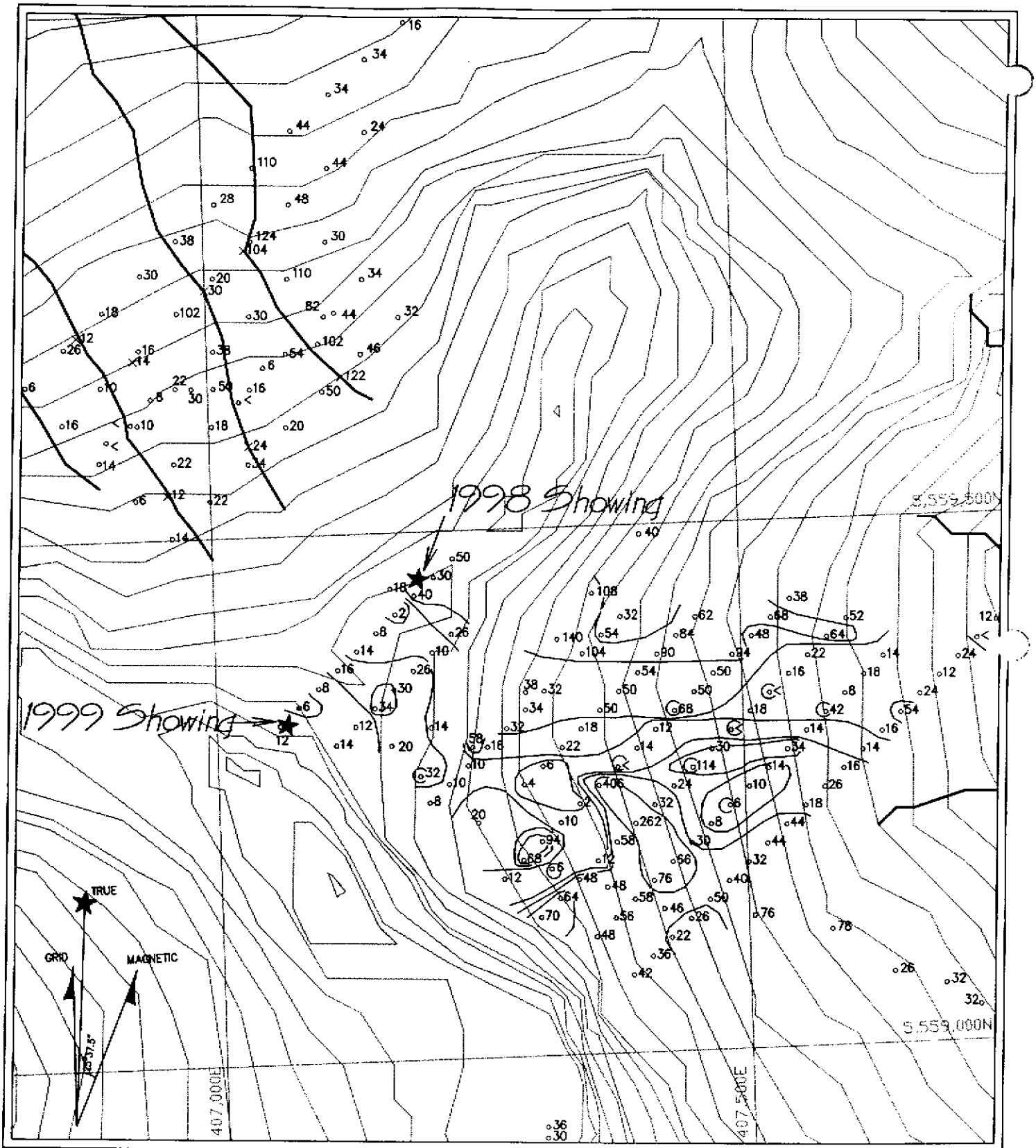
FIGURE 21

LORAX PROPERTY

BARIUM
SOIL GRID GEOCHEMISTRY

NB: Partial digestion only

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRI.DWG



o50 Soil sample location with arsenic value in ppm

x24 Silt sample location with arsenic value in ppm

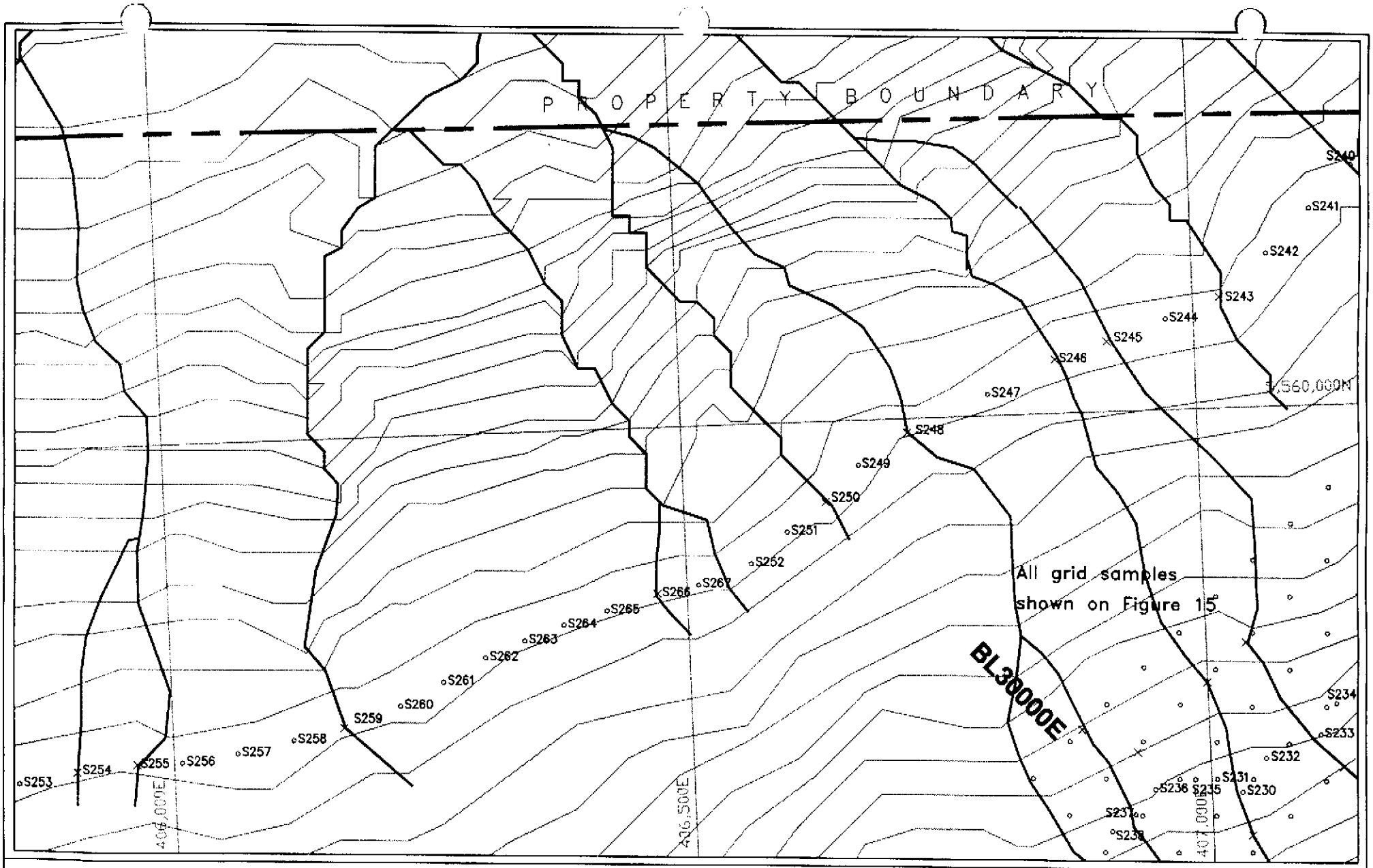
0 50 100 200 300 400 500m

FIGURE 22

LORAX PROPERTY

ARSENIC
SOIL GRID GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: SEPT 22, 2001	FILE: LORAX/01CHGRI.DWG



° Soil sample location

× Silt sample location

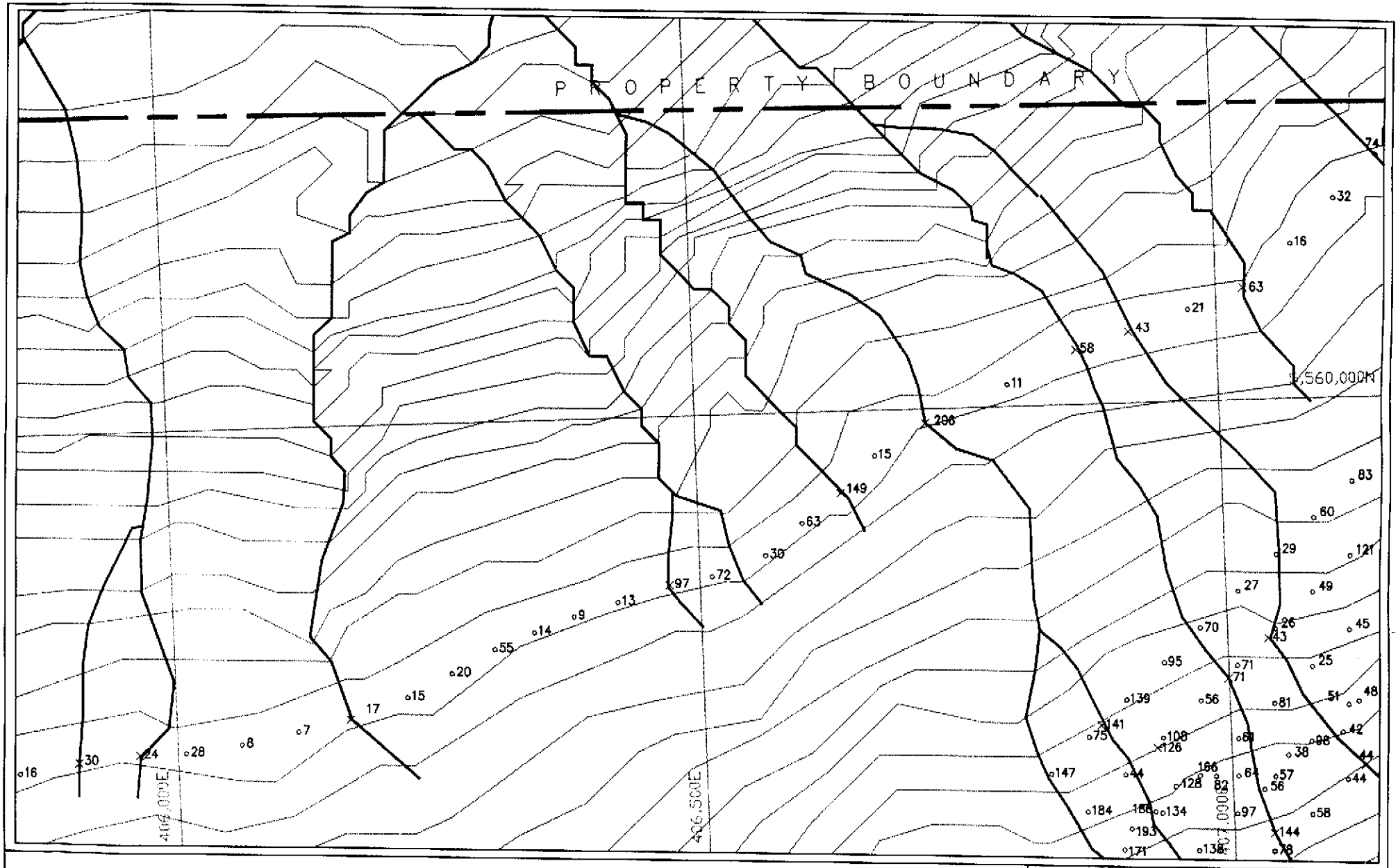
0 50 100 200 300 400 500m
Contour interval 20m

FIGURE 23

LORAX PROPERTY

CONTOUR LINE SAMPLE LOCATIONS

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORAX/01CHREK.DWG



o22 Soil sample location with copper value in ppm

×14 Silt sample location with copper value in ppm

0 50 100 200 300 400 500m
Contour Interval 20m

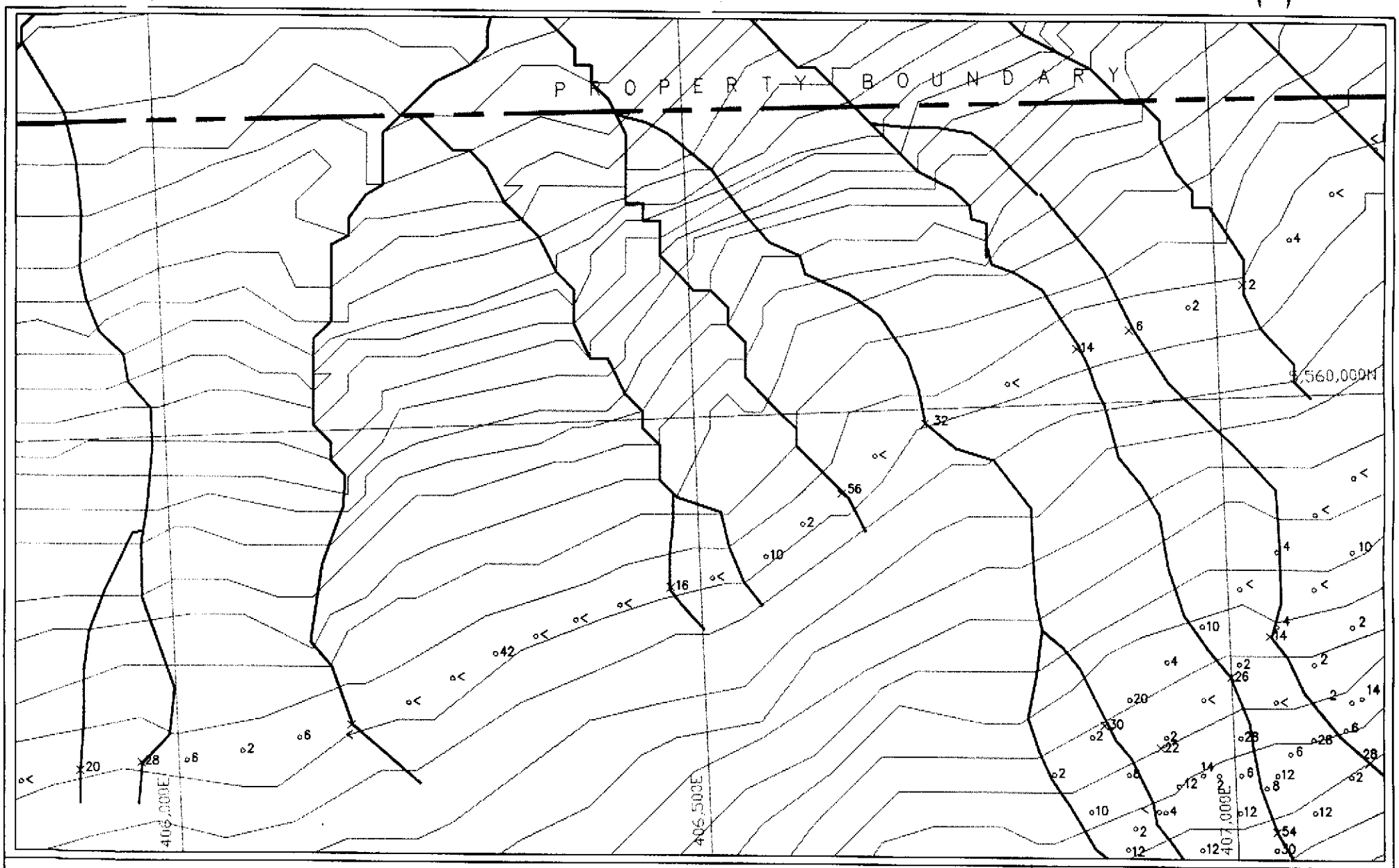
FIGURE 24

LORAX PROPERTY

COPPER

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORA CHREK.DWG



o36 Soil sample location with lead value in ppm

x13 Silt sample location with lead value in ppm

0 50 100 200 300 400 500m
Contour interval 20m

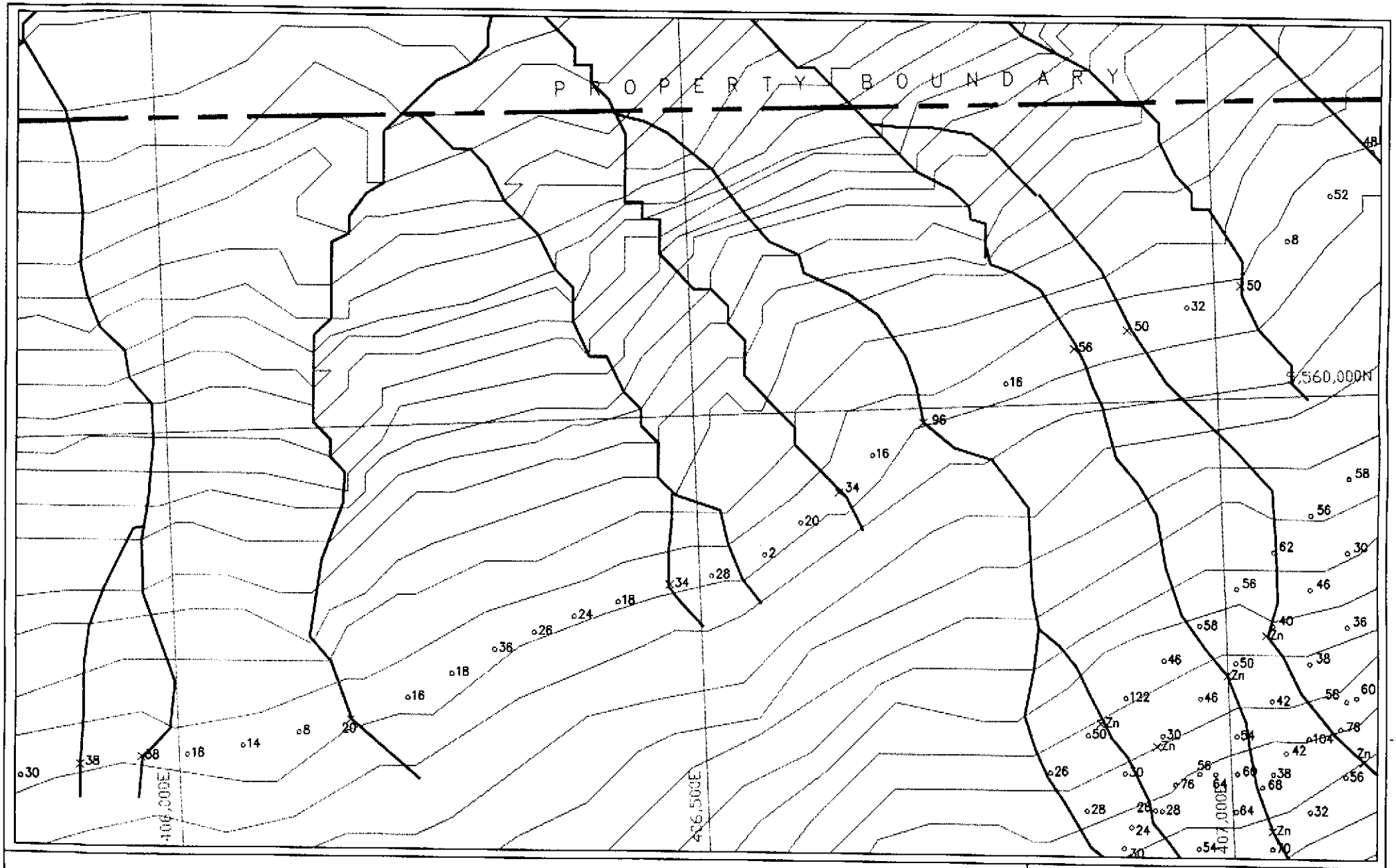
FIGURE 25

LORAX PROPERTY

LEAD

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORAX/01CHREK.DWG



∘120 Soil sample location with zinc value in ppm

×45 Silt sample location with zinc value in ppm

0 50 100 200 300 400 500m
Contour Interval 20m

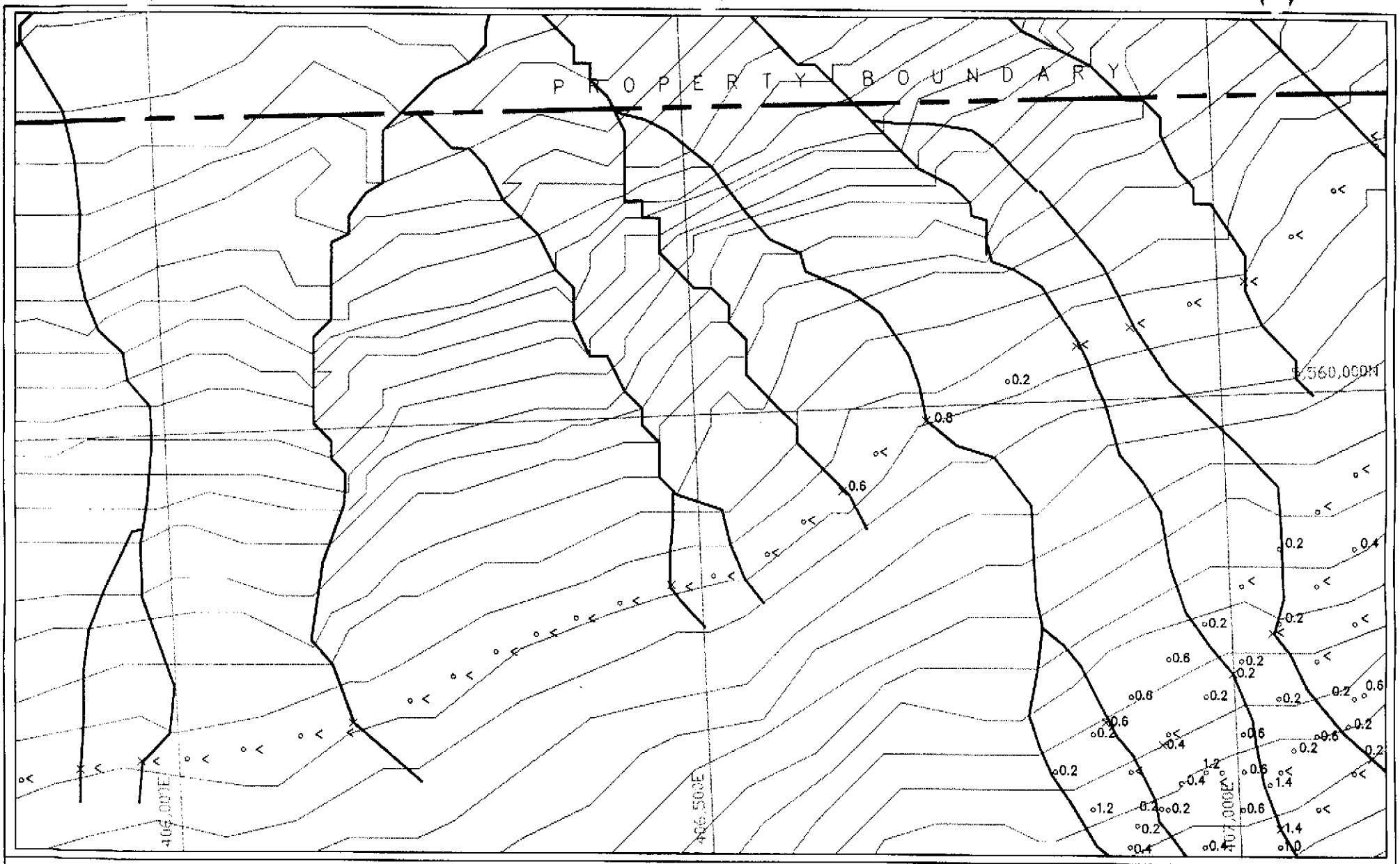
FIGURE 28

LORAX PROPERTY

ZINC

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORA[illegible]SHREK.DWG



o1.2 Soil sample location with silver value in ppm
o< Soil sample location with silver value below detection limit
x0.8 Silt sample location with silver value in ppm

0 50 100 200 300 400 500m
Contour Interval 20m

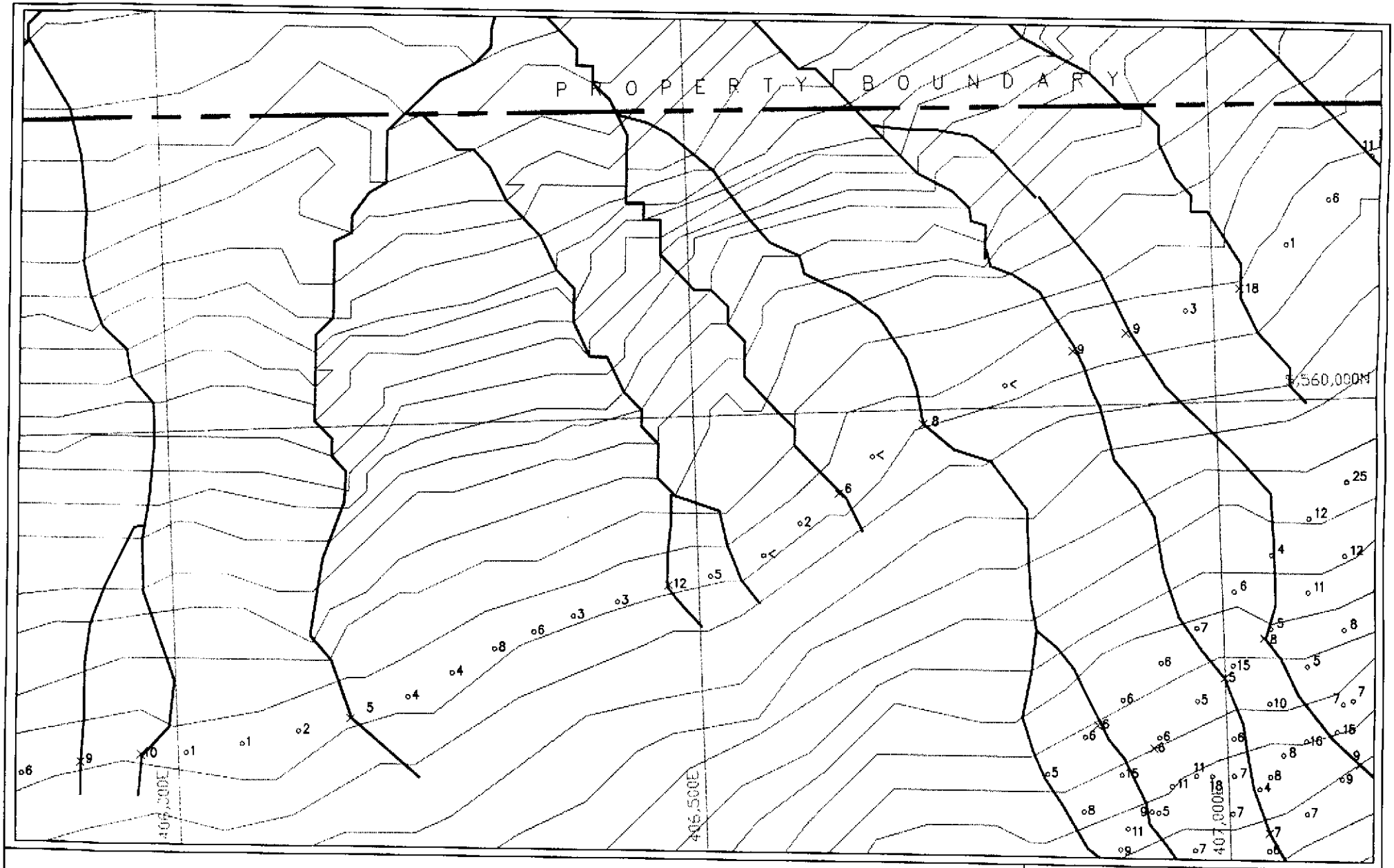
FIGURE 27

LORAX PROPERTY

SILVER

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORAX/01CHREK.DWG



o25 Soil sample location with cobalt value in ppm

x5 Silt sample location with cobalt value in ppm

0 50 100 200 300 400 500m
Contour Interval 20m

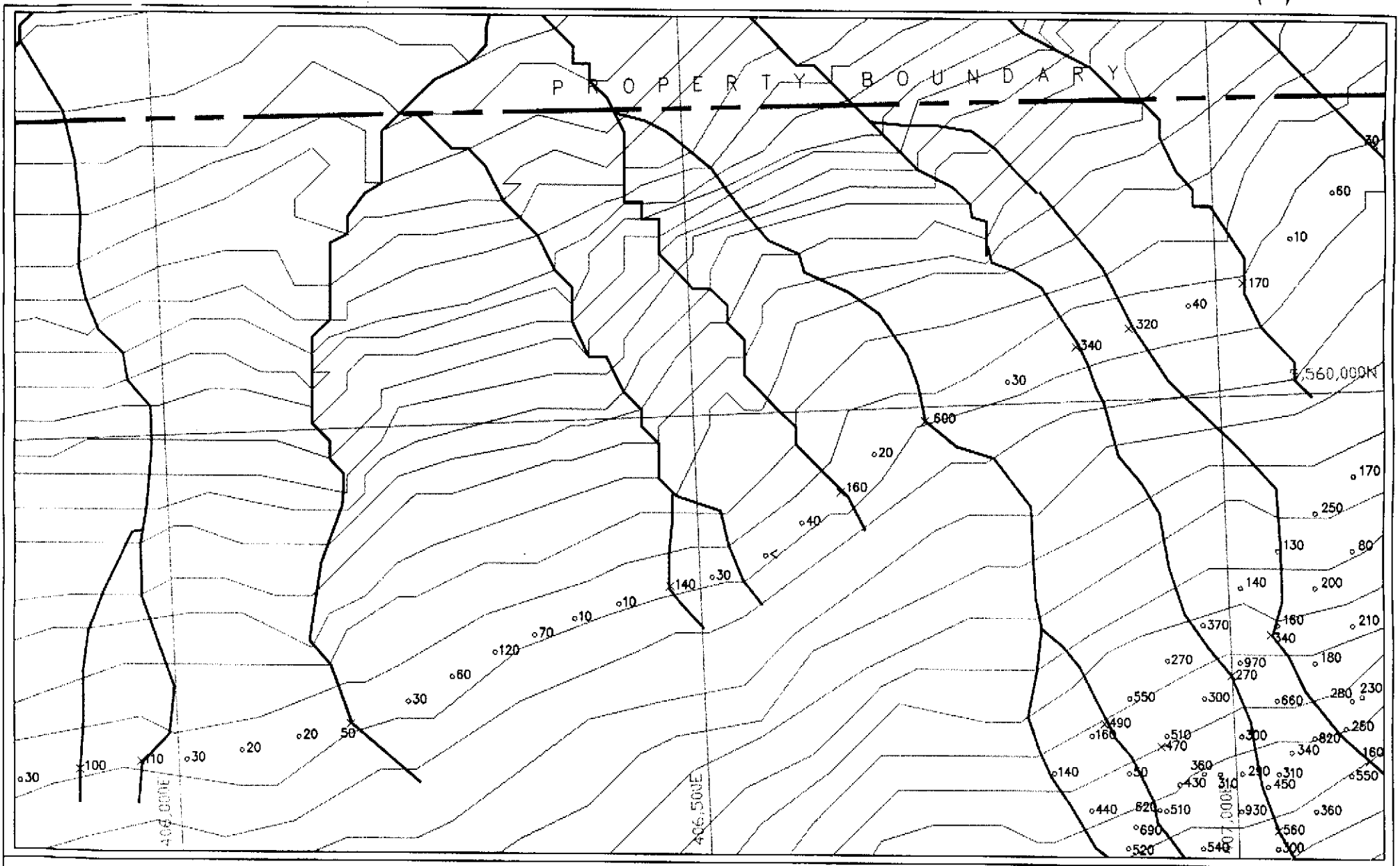
FIGURE 28

LORAX PROPERTY

COBALT

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORAX-CHREK.DWG



∘1200 Soil sample location with barium value in ppm

×560 Silt sample location with barium value in ppm
NB: Partial digestion only

0 50 100 200 300 400 500m
Contour Interval 20m

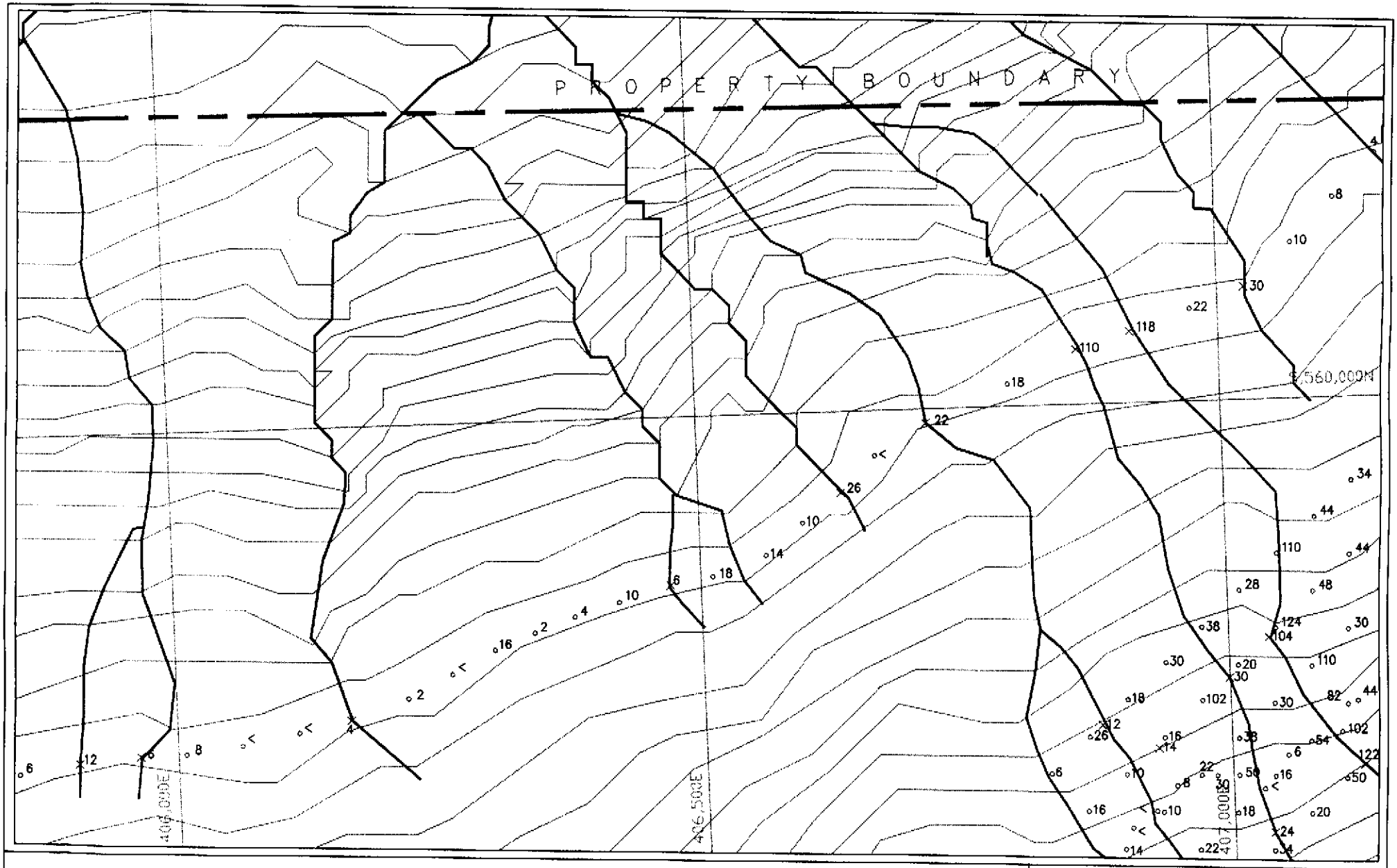
FIGURE 29

LORAX PROPERTY

BARIUM

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORAX/01CHREK.DWG



o50 Soil sample location with arsenic value in ppm

x30 Silt sample location with arsenic value in ppm

0 50 100 200 300 400 500m
Contour Interval 20m

FIGURE 30

LORAX PROPERTY

ARSENIC

CONTOUR LINE GEOCHEMISTRY

DRAWN BY: AB	PRODUCED AT: 1:5000
DATE: OCT 16, 2001	FILE: LORAX[illegible]HREK.DWG

mat sample on this line, Sample No. S248, returned anomalous values for copper, lead, zinc, silver and barium.

The barium soil geochemistry pattern near the 1999 showing supports the possibility of existence of a barite-rich zone adjacent to the sulphides. Barite is an accessory mineral at the Britannia Deposit (Payne et al, 1980), the Red Dog Deposit in Alaska (Koehler et al, 1991) and other VMS occurrences (Hoffman, 1986). The barium values are likely understated due to incomplete digestion of barite by the nitric aqua regia acid solution.

Respectfully submitted,

Arnd Burgert
BSc. Geology

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APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

AUTHOR'S STATEMENT OF QUALIFICATIONS

I, Arnd Burgert, geologist, with business and residential address in Port McNeill, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1995 with a B.Sc. in Geology.

2. From 1989 to present, I have been actively engaged in mineral exploration in British Columbia, the Northwest Territories and the Yukon Territory.

3. I have personally performed the work reported herein.

A. Burgert, B.Sc.
Dated this 25th day of November, 2001

APPENDIX II

CERTIFICATES OF ANALYSIS

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BURGERT, ARND

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :1-A
Total Pages :3
Certificate Date: 07-SEP-2001
Invoice No. :I0123265
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123265

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
L30035N 30060E	94069400	0.50	25	1.8	4.70	18	< 10	2920	< 0.5	< 2	0.04	1.0	1	117	253	6.69	10	4	0.57	< 10
L30200N 29950E	94069400	0.34	4	0.2	2.04	14	< 10	600	< 0.5	< 2	0.59	< 0.5	8	24	155	3.36	< 10	< 1	0.14	< 10
L30200N 30000E	94069400	0.64	14	1.2	1.99	22	< 10	550	< 0.5	< 2	0.52	< 0.5	9	35	160	3.83	< 10	1	0.24	< 10
L30200N 30050E	94069400	0.70	5	1.0	2.94	34	< 10	300	< 0.5	< 2	0.49	0.5	6	72	78	4.80	< 10	< 1	0.41	< 10
L30200N 30100E	94069400	0.70	2	< 0.2	1.59	20	< 10	360	< 0.5	< 2	0.42	< 0.5	7	24	58	2.58	< 10	1	0.28	< 10
L30200N 30150E	94069400	0.76	10	< 0.2	2.01	50	< 10	550	< 0.5	< 2	0.67	< 0.5	9	27	44	2.61	< 10	< 1	0.41	< 10
L30200N 30200E	94069400	0.62	5	0.2	3.25	46	< 10	330	< 0.5	< 2	0.66	< 0.5	8	39	66	3.78	< 10	< 1	0.71	< 10
L30200N 30250E	94069400	0.46	2	< 0.2	2.66	32	< 10	220	< 0.5	< 2	0.35	< 0.5	14	61	69	3.56	< 10	< 1	0.68	< 10
L30250N 29950E	94069400	0.24	2	< 0.2	2.35	6	< 10	680	< 0.5	< 2	0.87	< 0.5	9	26	210	2.92	< 10	< 1	0.09	< 10
L30250N 30000E	94069400	0.58	4	0.4	2.04	22	< 10	540	< 0.5	< 2	0.51	< 0.5	7	30	138	3.89	< 10	< 1	0.18	< 10
L30250N 30050E	94069400	0.76	5	0.6	2.33	18	< 10	930	< 0.5	< 2	0.36	0.5	7	58	97	4.05	< 10	< 1	0.42	< 10
L30250N 30100E	94069400	0.62	1	< 0.2	1.75	16	< 10	310	< 0.5	< 2	0.41	< 0.5	8	33	57	2.42	< 10	1	0.29	< 10
L30250N 30150E	94069400	0.64	8	0.6	2.90	54	< 10	820	< 0.5	< 2	0.80	0.5	16	41	98	2.81	< 10	1	0.34	< 10
L30250N 30200E	94069400	0.66	11	0.2	2.84	82	< 10	280	< 0.5	< 2	0.53	< 0.5	7	33	51	3.35	< 10	< 1	0.64	< 10
L30250N 30250E	94069400	0.56	2	< 0.2	2.41	34	< 10	250	< 0.5	< 2	0.41	< 0.5	13	53	67	2.99	< 10	< 1	0.61	< 10
L30300N 29950E	94069400	0.48	4	0.4	2.56	14	< 10	520	< 0.5	< 2	0.37	< 0.5	9	38	171	3.80	< 10	< 1	0.25	< 10
L30300N 30000E	94069400	0.62	3	0.2	1.89	10	< 10	510	< 0.5	< 2	0.66	< 0.5	5	21	134	2.49	< 10	< 1	0.10	< 10
L30300N 30050E	94069400	0.60	35	1.2	3.11	22	< 10	360	< 0.5	2	0.42	< 0.5	11	53	166	4.54	< 10	< 1	0.23	< 10
L30300N 30100E	94069400	0.56	6	0.6	2.35	38	< 10	300	< 0.5	< 2	0.56	< 0.5	6	54	61	2.79	< 10	< 1	0.25	< 10
L30300N 30150E	94069400	0.56	8	0.2	1.81	30	< 10	660	< 0.5	< 2	0.41	< 0.5	10	29	81	2.70	< 10	4	0.30	< 10
L30300N 30200E	94069400	0.60	66	< 0.2	1.90	110	< 10	180	< 0.5	< 2	0.72	< 0.5	5	20	25	1.80	< 10	< 1	0.22	< 10
L30300N 30250E	94069400	0.62	3	< 0.2	2.16	30	< 10	210	< 0.5	< 2	0.43	< 0.5	8	35	45	2.46	< 10	< 1	0.50	< 10
L30350N 29950E	94069400	0.48	9	1.2	3.02	16	< 10	440	< 0.5	< 2	0.47	0.5	8	28	184	5.94	10	< 1	0.15	< 10
L30350N 30000E	94069400	0.46	1	< 0.2	1.72	10	< 10	50	< 0.5	< 2	0.08	< 0.5	15	34	44	3.48	< 10	1	0.14	< 10
L30350N 30050E	94069400	0.50	3	< 0.2	1.80	16	< 10	510	< 0.5	< 2	0.54	< 0.5	6	22	108	2.50	< 10	< 1	0.12	< 10
L30350N 30100E	94069400	0.54	3	0.2	2.37	102	< 10	300	< 0.5	< 2	0.54	< 0.5	5	47	56	2.84	< 10	< 1	0.36	< 10
L30350N 30150E	94069400	0.60	3	0.2	1.64	20	< 10	970	< 0.5	< 2	0.37	< 0.5	15	31	71	2.36	< 10	< 1	0.30	< 10
L30350N 30200E	94069400	0.56	80	0.2	1.69	124	< 10	160	< 0.5	< 2	0.64	0.5	5	18	26	1.47	< 10	< 1	0.14	< 10
L30350N 30250E	94069400	0.70	9	< 0.2	2.36	48	< 10	200	< 0.5	< 2	0.47	< 0.5	11	40	49	2.85	< 10	< 1	0.53	< 10
L30350N 30300E	94069400	0.54	2	0.4	3.03	44	< 10	80	< 0.5	< 2	0.42	< 0.5	12	25	121	2.62	< 10	< 1	0.11	< 10
L30350N 30350E	94069400	0.36	2	< 0.2	2.80	24	< 10	110	< 0.5	< 2	0.22	< 0.5	16	39	36	3.26	< 10	< 1	0.28	< 10
L30400N 29950E	94069400	0.40	2	0.2	2.58	6	< 10	140	< 0.5	4	0.35	0.5	5	19	147	2.29	< 10	< 1	0.07	< 10
L30400N 30000E	94069400	0.38	1	0.2	3.47	26	< 10	160	< 0.5	8	0.14	0.5	6	40	75	3.84	10	< 1	0.20	< 10
L30400N 30050E	94069400	0.40	9	0.6	1.79	18	< 10	550	< 0.5	10	0.49	0.5	6	28	139	3.11	< 10	< 1	0.16	< 10
L30400N 30100E	94069400	0.42	10	0.6	2.54	30	< 10	270	< 0.5	< 2	0.40	0.5	6	47	95	3.69	< 10	< 1	0.22	< 10
L30400N 30150E	94069400	0.68	4	0.2	2.24	38	< 10	370	< 0.5	10	0.52	0.5	7	51	70	2.92	< 10	1	0.31	< 10
L30400N 30200E	94069400	0.56	8	< 0.2	2.64	28	< 10	140	< 0.5	< 2	0.18	0.5	6	38	27	3.22	< 10	< 1	0.39	< 10
L30400N 30250E	94069400	0.32	13	0.2	3.65	110	< 10	130	< 0.5	2	0.16	1.5	4	49	29	3.79	10	< 1	0.37	< 10
L30400N 30300E	94069400	0.54	6	< 0.2	2.61	44	< 10	250	< 0.5	< 2	0.44	0.5	12	45	60	3.11	< 10	< 1	0.60	< 10
L30400N 30350E	94069400	0.48	1	< 0.2	3.26	34	< 10	170	< 0.5	< 2	0.36	1.0	25	60	83	4.34	< 10	1	0.61	< 10

CERTIFICATION:

ALS Chemex

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CERTIFICATE OF ANALYSIS A0123265

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L30200N 29950E	94069400	0.41	130	4	0.07	27	1370	26	0.05	< 2	3	47	0.13	< 10	< 10	56	< 10	38
L30200N 30000E	94069400	0.60	210	5	0.05	24	1420	56	0.07	< 2	3	27	0.17	< 10	< 10	76	< 10	168
L30200N 30050E	94069400	1.38	375	7	0.08	21	1140	30	0.13	6	10	30	0.18	< 10	< 10	106	< 10	70
L30200N 30100E	94069400	0.62	265	2	0.04	14	980	12	0.01	< 2	3	20	0.15	< 10	< 10	58	< 10	32
L30200N 30150E	94069400	0.59	410	1	0.03	29	850	2	< 0.01	4	6	45	0.21	< 10	< 10	52	< 10	56
L30200N 30200E	94069400	0.90	335	5	0.07	16	940	14	0.05	< 2	9	53	0.23	< 10	< 10	106	< 10	58
L30200N 30250E	94069400	1.13	315	4	0.05	18	1290	8	0.03	6	5	26	0.28	< 10	< 10	122	< 10	46
L30250N 29950E	94069400	0.40	125	1	0.10	36	1150	2	0.03	< 2	3	68	0.17	< 10	< 10	57	< 10	20
L30250N 30000E	94069400	0.54	160	5	0.07	21	1410	12	0.09	2	3	35	0.17	< 10	< 10	68	< 10	54
L30250N 30050E	94069400	1.09	210	6	0.06	20	1120	12	0.14	8	9	27	0.23	< 10	< 10	100	< 10	64
L30250N 30100E	94069400	0.67	285	3	0.05	15	970	12	0.01	6	3	20	0.16	< 10	< 10	54	< 10	38
L30250N 30150E	94069400	0.64	505	2	0.04	54	980	28	0.01	< 2	7	69	0.16	< 10	< 10	62	< 10	104
L30250N 30200E	94069400	0.79	285	4	0.05	14	820	2	0.04	4	8	46	0.19	< 10	< 10	92	< 10	58
L30250N 30250E	94069400	0.93	270	2	0.05	18	1160	< 2	0.03	< 2	4	29	0.23	< 10	< 10	99	< 10	42
L30300N 29950E	94069400	0.84	135	6	0.04	25	1340	12	0.05	4	2	39	0.16	< 10	< 10	67	< 10	30
L30300N 30000E	94069400	0.35	110	3	0.08	22	970	4	0.02	< 2	3	45	0.14	< 10	< 10	48	< 10	28
L30300N 30050E	94069400	1.35	185	8	0.05	24	1020	14	0.12	4	6	25	0.18	< 10	< 10	90	< 10	56
L30300N 30100E	94069400	0.86	195	6	0.08	17	930	28	0.05	2	6	31	0.15	< 10	< 10	76	< 10	54
L30300N 30150E	94069400	0.70	295	4	0.04	18	960	< 2	0.03	< 2	4	25	0.16	< 10	< 10	58	< 10	42
L30300N 30200E	94069400	0.38	195	1	0.04	17	580	2	< 0.01	8	4	59	0.09	< 10	< 10	41	< 10	38
L30300N 30250E	94069400	0.72	240	3	0.05	13	910	2	0.02	6	5	33	0.18	< 10	< 10	78	< 10	36
L30350N 29950E	94069400	0.59	135	4	0.02	17	1300	10	0.10	2	3	28	0.18	< 10	< 10	67	< 10	28
L30350N 30000E	94069400	0.65	260	3	0.01	9	580	8	0.09	4	1	11	0.28	< 10	< 10	134	< 10	30
L30350N 30050E	94069400	0.37	120	2	0.08	19	1070	2	0.03	6	2	36	0.13	< 10	< 10	51	< 10	30
L30350N 30100E	94069400	0.87	245	5	0.07	13	960	< 2	0.05	2	6	31	0.17	< 10	< 10	71	< 10	46
L30350N 30150E	94069400	0.70	425	3	0.04	35	850	2	0.01	8	4	24	0.15	< 10	< 10	50	< 10	50
L30350N 30200E	94069400	0.31	170	1	0.04	17	510	4	0.01	< 2	3	52	0.09	< 10	< 10	33	< 10	40
L30350N 30250E	94069400	0.81	295	4	0.04	16	930	< 2	0.02	< 2	5	32	0.20	< 10	< 10	90	< 10	46
L30350N 30300E	94069400	0.41	420	3	0.02	24	1550	10	0.05	4	2	35	0.07	< 10	< 10	49	< 10	30
L30350N 30350E	94069400	0.97	270	4	0.02	13	540	2	0.05	< 2	1	25	0.25	< 10	< 10	116	< 10	40
L30400N 29950E	94069400	0.48	110	3	0.04	14	770	2	0.07	< 2	< 1	36	0.07	< 10	< 10	43	< 10	26
L30400N 30000E	94069400	1.04	235	7	0.01	12	600	2	0.06	< 2	8	10	0.20	< 10	< 10	81	< 10	50
L30400N 30050E	94069400	0.46	135	4	0.06	20	890	20	0.03	4	2	36	0.14	< 10	< 10	62	< 10	122
L30400N 30100E	94069400	1.01	220	7	0.05	15	810	4	0.06	8	6	23	0.17	< 10	< 10	79	< 10	46
L30400N 30150E	94069400	0.87	255	7	0.07	17	880	10	0.04	8	5	30	0.16	< 10	< 10	78	< 10	58
L30400N 30200E	94069400	0.84	245	4	0.02	12	1130	< 2	0.03	6	8	14	0.20	< 10	< 10	100	< 10	56
L30400N 30250E	94069400	1.11	290	10	0.04	12	580	4	0.07	6	11	15	0.26	< 10	< 10	142	< 10	62
L30400N 30300E	94069400	0.93	330	5	0.04	15	840	< 2	0.02	8	6	32	0.22	< 10	< 10	103	< 10	56
L30400N 30350E	94069400	1.43	525	6	0.02	18	1220	< 2	0.03	6	4	24	0.34	< 10	< 10	159	< 10	58

CERTIFICATION:

ALS Chemex

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SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
L30400N 30400E	94069400	0.38	2	0.2	4.15	34	< 10	190	< 0.5	16	0.26	1.0	28	76	134	6.21	10	3	0.97	< 10
L30400N 30450E	94069400	0.44	2	< 0.2	3.12	16	< 10	150	< 0.5	8	0.25	2.0	20	61	114	4.40	< 10	1	0.59	< 10
L30400N 30500E	94069400	0.36	1	< 0.2	3.27	12	< 10	40	< 0.5	< 2	0.15	< 0.5	14	43	64	3.73	10	< 1	0.19	< 10
L30400N 30550E	94069400	0.40	7	< 0.2	3.39	12	< 10	70	< 0.5	6	0.43	1.5	16	46	120	4.35	< 10	< 1	0.74	< 10
L30400N 30600E	94069400	0.32	3	< 0.2	3.29	2	< 10	10	< 0.5	< 2	0.09	1.0	10	44	44	2.95	< 10	< 1	0.09	< 10
MM30200N 30165E	94069400	0.44	74	0.2	2.12	122	< 10	160	< 0.5	< 2	0.61	< 0.5	9	22	44	1.94	< 10	< 1	0.23	< 10
MM30215N 30058E	94069400	0.40	26	1.4	1.95	24	< 10	560	< 0.5	6	0.35	0.5	7	45	144	3.21	< 10	2	0.27	< 10
MM30240N 29970E	94069400	0.46	4	0.6	2.16	12	< 10	550	< 0.5	< 2	0.61	0.5	9	22	205	2.78	< 10	< 1	0.10	< 10
MM30400N 30015E	94069400	0.46	12	0.6	1.56	12	< 10	490	< 0.5	2	0.42	1.0	6	25	141	2.79	< 10	< 1	0.15	< 10
MM30350N 30040E	94069400	0.52	86	0.4	1.66	14	< 10	470	< 0.5	< 2	0.46	1.0	6	23	126	2.62	< 10	< 1	0.13	< 10
MM30350N 30130E	94069400	0.34	7	0.3	2.02	30	< 10	270	< 0.5	< 2	0.41	0.5	5	45	71	2.63	< 10	< 1	0.19	< 10
MM30350N 30185E	94069400	0.48	53	< 0.2	1.81	104	< 10	340	< 0.5	2	0.60	1.0	8	26	43	1.88	< 10	< 1	0.22	< 10
S 239	94069400	0.28	2	< 0.2	2.15	8	< 10	60	< 0.5	2	0.05	1.0	9	25	32	3.21	< 10	< 1	0.34	< 10
S 240	94069400	0.36	2	< 0.2	3.08	4	< 10	30	< 0.5	18	0.04	< 0.5	11	46	74	4.33	< 10	< 1	0.57	< 10
S 241	94069400	0.34	2	< 0.2	3.37	8	< 10	60	< 0.5	16	0.05	0.5	6	11	32	3.70	< 10	< 1	0.91	< 10
S 242	94069400	0.30	2	< 0.2	1.89	10	< 10	10	< 0.5	< 2	0.03	0.5	1	21	16	0.96	< 10	< 1	0.03	< 10
S 243	94069400	0.32	9	< 0.2	2.31	30	< 10	170	< 0.5	< 2	0.45	0.5	18	43	63	3.03	< 10	< 1	0.60	< 10
S 244	94069400	0.32	3	< 0.2	2.82	22	< 10	40	< 0.5	8	0.05	< 0.5	3	25	21	2.17	< 10	< 1	0.13	< 10
S 245	94069400	0.48	33	< 0.2	1.99	118	< 10	320	< 0.5	< 2	0.65	0.5	9	27	43	2.13	< 10	< 1	0.25	< 10
S 246	94069400	0.62	34	< 0.2	1.98	110	< 10	340	< 0.5	2	0.53	1.0	9	30	58	2.13	< 10	< 1	0.22	< 10
S 247	94069400	0.30	2	0.2	0.98	18	< 10	30	< 0.5	4	0.03	< 0.5	< 1	30	11	1.82	< 10	< 1	0.04	< 10
S 248	94069400	0.36	10	0.8	2.59	22	< 10	600	< 0.5	2	0.52	0.5	8	40	206	3.43	< 10	1	0.24	< 10
S 249	94069400	0.36	< 1	< 0.2	0.92	< 2	< 10	20	< 0.5	< 2	0.01	< 0.5	< 1	18	15	2.32	< 10	< 1	0.04	< 10
S 250	94069400	0.32	4	0.6	3.15	26	< 10	160	< 0.5	< 2	0.30	0.5	6	34	149	2.57	< 10	< 1	0.15	< 10
S 251	94069400	0.48	3	< 0.2	3.10	10	< 10	40	< 0.5	2	0.11	< 0.5	2	41	63	3.14	10	< 1	0.03	< 10
S 252	94069400	0.30	2	< 0.2	1.27	14	< 10	< 10	< 0.5	8	0.03	2.5	< 1	37	30	7.96	60	< 1	< 0.01	< 10
S 253	94069400	0.32	1	< 0.2	1.97	6	< 10	30	< 0.5	< 2	0.09	1.0	6	19	16	2.10	< 10	< 1	0.05	< 10
S 254	94069400	0.28	1	< 0.2	2.92	12	< 10	100	< 0.5	2	0.19	0.5	9	44	30	3.17	< 10	< 1	0.18	< 10
S 255	94069400	0.30	< 1	< 0.2	2.12	6	< 10	110	< 0.5	< 2	0.20	< 0.5	10	7	24	2.07	< 10	< 1	0.23	< 10
S 256	94069400	0.44	< 1	< 0.2	2.65	8	< 10	30	< 0.5	< 2	0.05	0.5	1	14	28	3.37	10	< 1	0.06	< 10
S 257	94069400	0.32	< 1	< 0.2	0.88	< 2	< 10	20	< 0.5	< 2	0.20	0.5	1	7	8	1.00	< 10	< 1	0.04	< 10
S 258	94069400	0.32	1	< 0.2	1.47	< 2	< 10	20	< 0.5	< 2	0.04	0.5	2	9	7	1.94	10	< 1	0.04	< 10
S 259	94069400	0.42	1	< 0.2	1.81	4	< 10	50	< 0.5	< 2	0.12	< 0.5	5	22	17	7.63	10	< 1	0.11	< 10
S 260	94069400	0.48	1	< 0.2	2.28	2	< 10	30	< 0.5	< 2	0.05	< 0.5	4	15	15	2.01	10	< 1	0.09	< 10
S 261	94069400	0.42	< 1	< 0.2	1.53	< 2	< 10	60	< 0.5	< 2	0.08	< 0.5	4	13	20	1.11	< 10	< 1	0.12	< 10
S 262	94069400	0.34	1	< 0.2	2.35	16	< 10	120	< 0.5	4	0.33	0.5	8	24	55	2.35	< 10	< 1	0.21	< 10
S 263	94069400	0.36	< 1	< 0.2	1.76	2	< 10	70	< 0.5	< 2	0.06	< 0.5	6	18	14	3.01	< 10	3	0.17	< 10
S 264	94069400	0.36	4	< 0.2	1.44	4	< 10	10	< 0.5	< 2	0.03	1.0	3	9	9	1.97	< 10	< 1	0.05	< 10
S 265	94069400	0.48	1	< 0.2	1.81	10	< 10	10	< 0.5	< 2	0.05	1.5	3	23	13	4.51	10	< 1	0.08	< 10
S 266	94069400	0.30	2	< 0.2	2.40	6	< 10	140	< 0.5	< 2	0.37	0.5	12	27	97	2.65	< 10	< 1	0.33	< 10

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BURGERT, ARND

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Certificate Date: 07-SEP-2001
Invoice No. : I0123265
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS A0123265

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L30400N 30400E	94069400	1.76	655	5	0.02	24	1650	< 2	0.03	10	6	21	0.45	< 10	< 10	235	< 10	78
L30400N 30450E	94069400	1.60	400	4	0.02	19	760	< 2	0.03	10	4	12	0.31	< 10	< 10	155	< 10	56
L30400N 30500E	94069400	1.18	315	3	0.01	20	670	< 2	0.04	4	3	9	0.24	< 10	< 10	161	< 10	54
L30400N 30550E	94069400	1.62	655	5	0.02	20	1570	< 2	0.02	< 2	7	18	0.31	< 10	< 10	160	< 10	68
L30400N 30600E	94069400	1.36	420	6	< 0.01	21	540	< 2	0.06	8	4	9	0.29	< 10	< 10	151	< 10	52
MM30200N 30165E	94069400	0.42	220	2	0.03	19	580	28	0.02	2	4	53	0.09	< 10	< 10	47	< 10	54
MM30215N 30058E	94069400	0.72	215	6	0.04	20	910	54	0.05	2	4	19	0.16	< 10	< 10	84	< 10	176
MM30240N 29970E	94069400	0.37	125	3	0.07	29	1020	42	0.03	< 2	2	45	0.11	< 10	< 10	50	< 10	28
MM30400N 30015E	94069400	0.40	140	6	0.05	18	800	30	0.04	6	1	29	0.13	< 10	< 10	56	< 10	96
MM30350N 30040E	94069400	0.38	135	3	0.06	18	840	22	0.03	8	2	34	0.12	< 10	< 10	53	< 10	64
MM30350N 30130E	94069400	0.77	195	5	0.05	16	640	26	0.04	6	4	23	0.13	< 10	< 10	71	< 10	64
MM30350N 30185E	94069400	0.43	230	3	0.03	22	540	14	0.01	4	4	51	0.10	< 10	< 10	44	< 10	52
S 239	94069400	1.05	310	3	< 0.01	11	170	< 2	0.01	8	3	6	0.29	< 10	< 10	123	< 10	34
S 240	94069400	1.34	490	4	< 0.01	21	270	< 2	0.04	10	7	4	0.32	< 10	< 10	153	< 10	48
S 241	94069400	1.71	390	4	< 0.01	5	180	< 2	0.01	2	9	5	0.40	< 10	< 10	192	< 10	52
S 242	94069400	0.12	30	3	0.01	2	1030	4	0.15	2	1	3	0.10	< 10	< 10	104	< 10	8
S 243	94069400	0.99	390	4	0.03	14	920	2	0.03	6	4	28	0.22	< 10	< 10	105	< 10	50
S 244	94069400	0.52	155	5	< 0.01	7	550	2	0.11	8	3	4	0.17	< 10	< 10	78	< 10	32
S 245	94069400	0.49	230	2	0.04	21	640	6	0.02	4	4	54	0.11	< 10	< 10	51	< 10	50
S 246	94069400	0.53	215	3	0.04	19	670	14	0.02	2	4	42	0.12	< 10	< 10	55	< 10	56
S 247	94069400	0.16	35	3	< 0.01	5	370	< 2	0.05	4	1	3	0.16	< 10	< 10	66	< 10	16
S 248	94069400	0.66	205	8	0.06	23	890	32	0.06	6	4	36	0.16	< 10	< 10	78	< 10	98
S 249	94069400	0.45	125	4	< 0.01	< 1	230	< 2	0.03	6	4	2	0.23	< 10	< 10	87	< 10	16
S 250	94069400	0.60	160	6	0.03	16	730	56	0.11	10	2	18	0.13	< 10	< 10	67	< 10	34
S 251	94069400	0.52	80	5	0.02	5	240	2	0.03	2	3	8	0.23	< 10	< 10	97	< 10	20
S 252	94069400	0.04	25	3	< 0.01	< 1	120	10	0.03	< 2	< 1	1	1.08	< 10	< 10	493	< 10	2
S 253	94069400	0.62	185	3	0.01	7	400	< 2	0.05	2	1	8	0.16	< 10	< 10	82	< 10	30
S 254	94069400	0.84	245	4	0.01	14	780	20	0.10	6	1	19	0.13	< 10	< 10	93	< 10	38
S 255	94069400	0.54	330	4	0.01	6	790	28	0.13	6	< 1	17	0.09	< 10	< 10	67	< 10	38
S 256	94069400	0.24	85	5	< 0.01	4	270	6	0.04	4	< 1	9	0.12	< 10	< 10	72	< 10	18
S 257	94069400	0.16	70	8	< 0.01	1	410	2	0.08	< 2	< 1	8	0.11	< 10	< 10	58	< 10	14
S 258	94069400	0.17	50	3	< 0.01	2	270	6	0.04	2	< 1	4	0.15	< 10	< 10	56	< 10	8
S 259	94069400	0.39	120	9	0.01	6	360	< 2	0.06	< 2	< 1	9	0.13	< 10	< 10	85	< 10	20
S 260	94069400	0.36	130	2	< 0.01	3	120	< 2	0.03	4	1	5	0.13	< 10	< 10	53	< 10	16
S 261	94069400	0.40	105	2	0.01	6	350	< 2	0.05	4	< 1	6	0.11	< 10	< 10	41	< 10	18
S 262	94069400	0.70	195	9	0.01	13	550	42	0.08	6	1	21	0.14	< 10	< 10	78	< 10	36
S 263	94069400	0.70	230	2	0.01	4	190	< 2	0.03	4	1	5	0.22	< 10	< 10	112	< 10	26
S 264	94069400	0.35	165	3	< 0.01	3	500	< 2	0.07	6	1	3	0.13	< 10	< 10	53	< 10	24
S 265	94069400	0.36	140	3	0.01	5	160	< 2	0.03	2	1	4	0.38	< 10	< 10	139	< 10	18
S 266	94069400	0.76	255	4	0.03	15	780	16	0.07	6	1	22	0.17	< 10	< 10	82	< 10	34

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ALS Chemex

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Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BURGERT, ARND

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :3-A
Total Pages :3
Certificate Date: 07-SEP-2001
Invoice No. :I0123265
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123265

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
S 267	94069400	0.28	2	< 0.2	2.59	18	< 10	30	< 0.5	10	0.08	1.5	5	53	72	6.83	20	< 1	0.04	< 10
S 268	94069400	0.46	36	5.4	0.59	36	< 10	110	< 0.5	2	0.05	2.0	2	58	53	>15.00	10	< 1	0.11	< 10
S 269	94069400	0.56	11	3.2	1.10	30	< 10	180	< 0.5	< 2	0.12	< 0.5	2	75	51	7.85	10	< 1	0.18	< 10

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To: BURGERT, ARND

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V0N 2R0

Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

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Total Pages :3
Certificate Date: 07-SEP-200
Invoice No. :I0123265
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123265

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S 267	94069400	0.53	135	3	0.01	10	200	< 2	0.04	8	3	6	0.51	< 10	< 10	172	< 10	28
S 268	94069400	0.26	125	22	0.01	7	4730	36	0.71	6	3	9	0.16	< 10	< 10	125	< 10	24
S 269	94069400	0.60	200	20	0.01	7	4000	36	0.28	2	6	12	0.15	< 10	< 10	143	< 10	28

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Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :1-A
Total Pages :1
Certificate Date: 07-SEP-200
Invoice No. :I0123274
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123274

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
M500301	94139402	0.42	155	26.6	1.72	14	< 10	30	< 0.5	12	1.98	87.0	21	57	4430	7.21	10	< 1	0.02	< 10
M500302	94139402	0.44	550	55.4	2.16	20	< 10	60	1.5	88	0.10	38.5	153	26	3120	>15.00	40	1	0.01	< 10
M500303	94139402	1.20	94	12.4	0.74	< 2	< 10	20	0.5	52	1.79	>500	41	32	1040	>15.00	30	8	< 0.01	< 10
M500304	94139402	0.24	175	12.4	2.50	16	< 10	70	0.5	30	1.36	62.5	71	19	3270	>15.00	20	1	0.16	< 10
M500305	94139402	0.30	540	34.6	0.65	8	< 10	110	1.0	16	0.78	135.5	61	5	9950	11.45	20	4	< 0.01	10
M500306	94139402	0.36	20	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500307	94139402	1.40	8	0.6	4.91	118	< 10	20	< 0.5	< 2	4.43	1.5	18	77	131	1.51	10	< 1	< 0.01	< 10
M500308	94139402	0.32	2	1.0	2.73	62	< 10	10	< 0.5	8	1.22	2.0	16	36	489	5.33	10	< 1	< 0.01	< 10
M500309	94139402	0.30	4	1.2	0.89	10	10	40	< 0.5	< 2	0.80	0.5	< 1	75	38	1.82	< 10	< 1	0.03	< 10
M500310	94139402	0.26	4	< 0.2	1.41	24	< 10	30	< 0.5	12	3.21	3.0	16	59	10	6.43	10	< 1	< 0.01	< 10
M500311	94139402	0.74	19	5.0	2.48	18	< 10	60	0.5	6	1.66	1.5	13	90	127	4.39	< 10	< 1	0.29	< 10
M500395	94139402	1.90	630	>100.0	0.65	10	< 10	30	1.0	58	< 0.01	45.0	48	9	5260	>15.00	30	6	< 0.01	< 10
M500396	94139402	1.32	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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To: BURGERT, ARND

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :1-B
Total Pages :1
Certificate Date: 07-SEP-200
Invoice No. :10123274
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123274

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Al2O3 % XRF	BaO % XRF
M500301	94139402	0.12	530	2	0.03	37	930	42	3.75	4	3	31	0.07	< 10	< 10	79	< 10	7970	-----	-----
M500302	94139402	0.04	6580	11	< 0.01	42	640	2550	0.36	< 2	3	6	0.01	< 10	< 10	53	< 10	4770	-----	-----
M500303	94139402	0.04	1085	3	< 0.01	37	410	130	7.11	20	1	4	0.03	< 10	< 10	61	< 10	>10000	-----	-----
M500304	94139402	1.33	3040	4	0.04	93	990	236	1.77	2	1	25	0.05	< 10	< 10	28	< 10	8090	-----	-----
M500305	94139402	0.24	6070	1	0.01	153	770	6280	0.49	14	< 1	5	< 0.01	< 10	< 10	8	< 10	>10000	-----	-----
M500306	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500307	94139402	0.03	90	17	0.11	46	850	28	0.66	4	1	162	0.05	< 10	< 10	24	< 10	430	-----	-----
M500308	94139402	0.41	295	4	< 0.01	31	590	6	0.01	6	5	49	0.06	< 10	< 10	66	< 10	134	-----	-----
M500309	94139402	0.04	130	16	0.03	3	2240	14	0.17	2	2	22	0.07	< 10	< 10	67	< 10	64	-----	-----
M500310	94139402	0.12	4020	5	< 0.01	116	880	6	< 0.01	2	7	5	0.17	< 10	< 10	367	< 10	212	-----	-----
M500311	94139402	0.36	325	31	0.10	59	2230	16	3.08	6	6	45	0.05	< 10	< 10	95	< 10	146	-----	-----
M500395	94139402	0.01	1885	4	< 0.01	81	150	1210	0.50	12	1	6	< 0.01	< 10	< 10	26	< 10	7660	-----	-----
M500396	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10.85	0.06

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Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :1-C
Total Pages :1
Certificate Date: 07-SEP-200
Invoice No. :I0123274
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123274

SAMPLE	PREP CODE	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	SrO % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Zr ppm
M500301	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500302	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500303	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500304	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500305	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500306	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500307	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500308	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500309	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500310	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500311	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500395	94139402	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M500396	94139402	17.07	< 0.01	7.57	0.32	13.00	0.22	1.10	0.38	46.80	0.01	0.65	1.55	99.58	690	91

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Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BURGERT, ARND

P.O. BOX 1208
PORT MCNEILL, BC
V0N 2R0

Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :1-A
Total Pages :1
Certificate Date: 31-AUG-200
Invoice No. :I0123368
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A0123368

SAMPLE	PREP CODE	Ag ppm (ICP)	Al % (ICP)	As ppm (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
M500306	299 3285	13.0	1.70	5	600	< 0.5	6	22	15.0	5	14	224	2.26	0.31	4.84

CERTIFICATION:

REF 6 from A0123274

ALS Chemex

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Project : LORAX
Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :1
Total Pages :1
Certificate Date: 06-SEP-2001
Invoice No. : I0123756
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS A0123756

SAMPLE	PREP CODE	Ag g/t	Zn %
M500303	212 --	-----	12.25
M500305	212 --	-----	9.14
M500395	212 --	150	-----

OVER LIMITS from A0123274

CERTIFICATION: _____