

LOG NO: 18-01 RD.

ACTION:

FILE NO:

GEOCHEMICAL
ASSESSMENT REPORT

on the

FLOP CLAIM

(FLOP PROPERTY)

NICOLA MINING DIVISION

BRITISH COLUMBIA

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,831

NTS: 82L/4W
LATITUDE: 50° 03' North
LONGITUDE: 119° 47.5' West
OWNER: Chevron Minerals Ltd.
OPERATOR: Inco Exploration and Technical Services Inc.
CONSULTANTS: Discovery Consultants
AUTHOR: W.R. Gilmour
DATE: December 13, 1990

TABLE OF CONTENTS

SUMMARY	Page	1
LOCATION, ACCESS, TOPOGRAPHY	Page	2
PROPERTY	Page	3
HISTORY	Page	3
GEOLOGY AND MINERALIZATION	Page	4
GEOCHEMICAL SURVEYS	Page	5
CONCLUSIONS	Page	6
RECOMMENDATIONS	Page	6
REFERENCES	Page	7
STATEMENT OF COSTS	Page	8
STATEMENT OF QUALIFICATIONS	Page	9

ILLUSTRATIONS

Figure 1	Location Map	Following Page	2
Figure 2	Index Map 1:50,000	Following Page	3
Figure 3	Soil Sample Location Map 1:5,000	In Pocket	
Figure 4	Au in soils 1:5,000	In Pocket	
Figure 5	Mo in soils 1:5,000	In Pocket	
Figure 6	Rock and silt sampling 1:5,000	In Pocket	

APPENDICES

Appendix 1	Analytical Procedures and Detection Limits
Appendix 2	Analytical Results

SUMMARY

The FLOP property, owned by Chevron Minerals Ltd., consists of a 15 unit 4-post claim located 25 km northwest of Kelowna in south-central British Columbia. Inco Exploration and Technical Services Inc. is presently the operator on the property.

The property is underlain by the Jurassic/Cretaceous Okanagan Batholith which cuts Upper Triassic Nicola Group sedimentary and volcanic rocks.

The property was staked in 1987 to evaluate the gold potential of an area peripheral to porphyry molybdenum/copper mineralization. Minor soil sampling, rock sampling and prospecting were carried out in 1988 and 1989.

This report describes the work done on the FLOP claim in October 1990. Geochemical surveys comprising 89 soil, 6 silt and 6 rocks samples were collected and analysed.

No significant gold values were obtained.

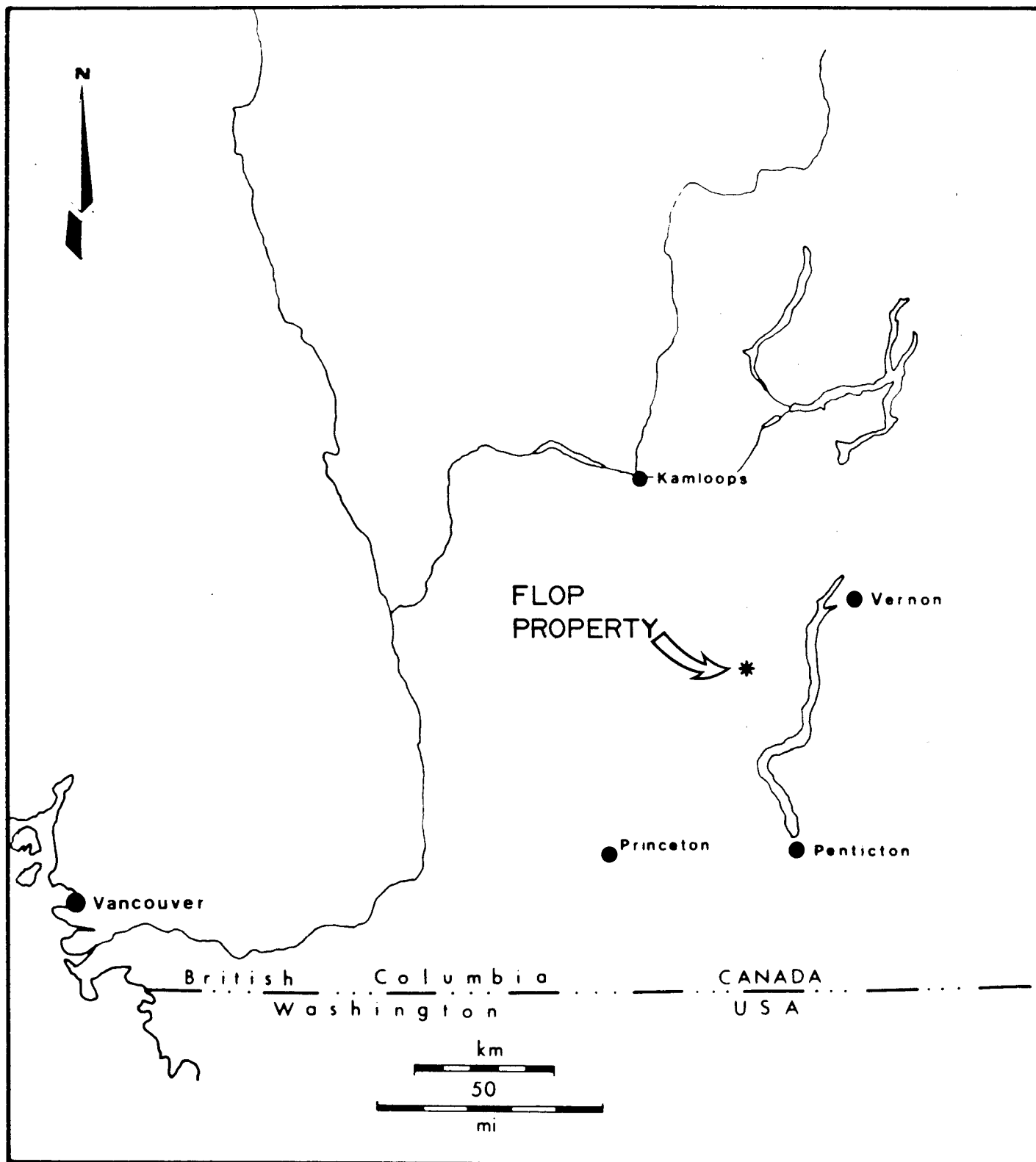
LOCATION, ACCESS, TOPOGRAPHY

The FLOP property is located 25 km northwest of Kelowna in the Thompson Plateau of south-central British Columbia (Figure 1). The legal corner post is situated 4 km north of Tadpole Lake and 3 km east of Dome Rock Mountain (Figure 2).

The approximate centre of the property is at Latitude 50°03' North and Longitude 119°47.5' West. The UTM coordinate are from 5546600 to 5549000 North and 290000 to 300500 East.

The property is accessible by well maintained logging roads from Westside Road, via Bear Creek Main and then Whiterocks Main.

The property is drained by tributaries of the Nicola River. Relief is gentle to moderate with elevations ranging from 1850 m above sea level in the southeast to 1590 m in the northeast.



DISCOVERY

Consultants

CHEVRON MINERALS LTD.

FLOP PROPERTY

LOCATION MAP

DATE : NOV. 18/1988

PROJECT : 278

SCALE : AS SHOWN

NTS : 82-L/4W

M D : NICOLA

FIGURE : 1

PROPERTY

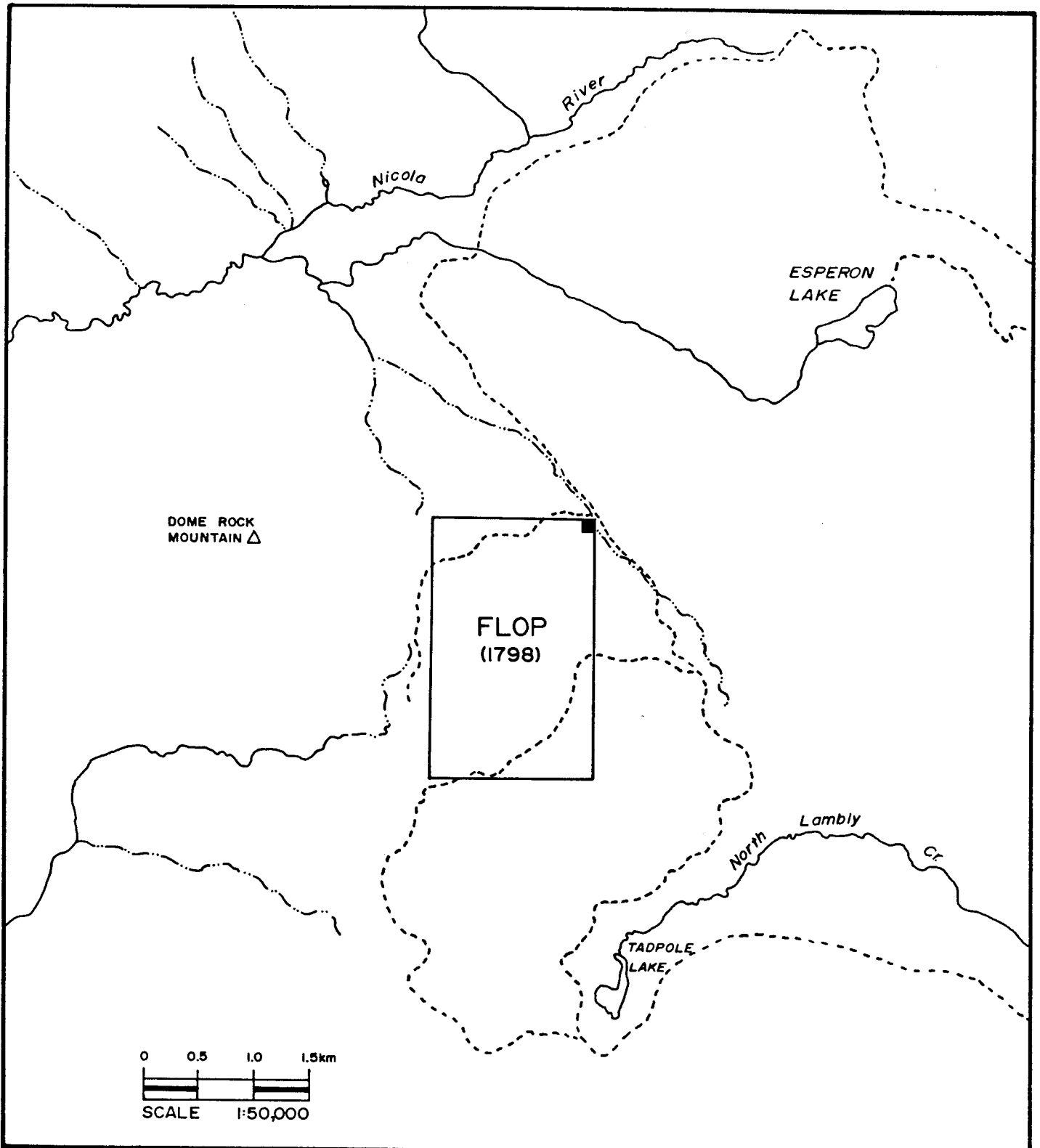
The property consists of the FLOP claim, a 15 unit 4-post claim in the Nicola Mining Division. The FLOP was located on April 10, 1987, and is owned by Chevron Minerals Ltd. Inco Exploration and Technical Services Inc., as operator on this project, has paid the exploration costs described in this report. The following table lists the pertinent information on the claim.

<u>Claim Name</u>	<u>Units</u>	<u>Record Number</u>	<u>Expiry Date</u>
FLOP	15	1798	April 10, 1992

The expiry date is contingent upon the acceptance of this assessment report.

HISTORY

The area has previously been explored for Mo and Cu porphyry deposits, most recently by Cominco. The property was staked to evaluate the gold potential of an area peripheral to porphyry mineralization. Minor soil sampling, rock sampling and prospecting were carried out in 1988 and 1989.



DISCOVERY Consultants

CHEVRON MINERALS LTD.

FLOP PROPERTY

CLAIM LOCATION MAP

DATE: NOV.18/1988	PROJECT: 278	SCALE: 1:50,000	N.T.S.: 82-L/4W	M.D.: NICOLA	FIGURE: 2
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GEOLOGY AND MINERALIZATION

Published regional mapping shows the area to be underlain by Upper Triassic sedimentary and volcanic rocks of the Nicola Group which have been intruded by the Jurassic/Cretaceous Okanagan Batholith (Myers et al, 1989).

On the property, the Nicola consists of argillite, quartzite and minor volcanic flows and tuff. Jurassic/Cretaceous pyroxenites, gabbros, monzonites and diorites form a complex intrusive suite (Osatenko, 1979).

A large zone of low grade molybdenum mineralization (Dobbin Deposit) occurs 3 km to the south and the Brenda Mine, a molybdenum-copper deposit, is situated 30 km to the south west. About 3 km to the southwest Rea Gold Corporation has been exploring an auriferous quartz stockwork on the FLAP property (Medford, 1988 a/b). The mineralization appears to be associated with a Tertiary(?) feldspar porphyry stock.

Previous work by Chevron has indicated the following:

1. Soils, rocks and silts are commonly anomalous in molybdenum.
2. Weakly anomalous gold values are possibly associated with alkaline intrusive rocks.
3. An outcrop of feldspar porphyry with quartz veins is significantly anomalous in Bi, Ag and Pb.
4. To date no significant gold mineralization has been discovered.

GEOCHEMICAL SOIL SURVEYS

A brief program of exploration was carried out between October 10 and 19, 1990.

A 900 m north-south baseline was installed and 89 soil samples were collected on a 100x100 metre grid. The grid was located northwest of previous soil sampling and covers an area of alkaline intrusive and Nicola Group rocks. Soil samples were collected at 100 m intervals, on east-west flagged lines, from the 'B' horizon at an average depth of 30 cm. They were placed in kraft paper bags and sent to Acme Analytical Laboratories Ltd. in Vancouver, B.C. The -80 mesh fraction was analysed for gold by the MIBK method (acid leach/atomic absorption) and the 29 other elements by I.C.P. following HCl-HNO₃ extraction (Appendix 1).

Gold values range up to 14 ppb (Figure 4). A molybdenum anomaly, with values up to 71 ppm, occurs on the eastern portion of the grid (Figure 5).

The 6 silt samples collected were analysed by the same method as were the soils. Samples S-03 and S-JO-01 failed to confirm a previous strong gold silt anomaly (Figure 6).

Six rock samples were pulverized and analysed for gold by fire assay/I.C.P. methods and the 29 other elements by I.C.P. following HCl-HNO₃ extraction (Appendix 1, Figure 6).

A table of all the analytical results is in Appendix 2. The table also shows the maximum and minimum values for each element along with the 25 percentile, median, 75 percentile and 95 percentile values.

CONCLUSIONS

1. No significant gold anomalies were located by the geochemical surveys.

RECOMMENDATIONS

1. The property should be prospected to evaluate the potential for mineralization similar to that on the nearby FLAP property.

Respectfully submitted,



W.R. Gilmour

December 13, 1990

REFERENCES

- | | | |
|--|--------|--|
| Gilmour, W.R. and
Ziebart P. | 1989 | Geochemical Assessment
Report on the Flop
Property |
| Medford, G.A. | 1988 a | Assessment Report 18723 |
| Medford, G.A. | 1988 b | Assessment Report 18724 |
| Myers, R.E.
Taylor, W.A. and
Tempelman-Kluit, D.J. | 1989 | Lode Gold-Silver Occurrences
of the Okanagan Region;
M.E.M.P.R. Open File 1989-5 |
| Osatenko, M.J. | 1979 | Assessment Report of Geology,
Soil Geochemistry, Percussion
and Diamond Drilling on the
Dobbin Property (#7596) |
| Ziebart, P. | 1988 | Prospecting Assessment Report
on the Flop Claim (#17095) |

STATEMENT OF COSTS

1.	Professional Services		
	W.R. Gilmour		
	Supervision and report writing		
	1 day @ \$400/day		\$ 400
2.	Field Personnel		
	a) Soil Survey, October 18, 19, 1990		
	J. Osterhagen		
	2 days @ \$296/day	\$ 592	
	B. Carr		
	2 days @ \$245/day	<u>490</u>	1082
	b) Rock Sampling, prospecting		
	P. Ziebart - Oct 10, 11, 1990		
	2 days @ \$280/day		560
3.	Transportation (4x4 vehicle)		
	4 days @ \$130		520
4.	Analysis and Sample Preparation		
	Au + 29 element ICP		
	89 soil samples @ \$8.60	765	
	6 silt samples @ \$8.60	52	
	6 rock samples @ \$12.25	<u>74</u>	891
5.	Drafting, data compilation		200
6.	Secretarial, printing		<u>100</u>
		Total	<u>\$3753</u>

STATEMENT OF QUALIFICATIONS

I, W.R. GILMOUR of 13511 Sumac Lane, Vernon, B.C., V1B 1A1,
DO HEREBY CERTIFY that:

1. I am a consulting Geologist in mineral exploration associated with Discovery Consultants, Vernon, B.C.
2. I have been practising my profession for 20 years.
3. I am a graduate of the University of British Columbia with a Bachelor of Science degree in geology.
4. I am a Fellow of the Geological Association of Canada.
5. This report is based upon knowledge of the FLOP property gained from direct supervision of exploration work on the property.
6. I hold a direct beneficial interest in the FLOP property through an agreement with Chevron Minerals Ltd.



W.R. Gilmour

Vernon, B.C.
December 13, 1990

APPENDIX 1

ANALYTICAL PROCEDURES

Geochemical Analysis - Soil & Silt

by ACME Analytical Laboratories Ltd.

<u>ELEMENT</u>	<u>LOWER</u>	<u>UPPER</u>	<u>EXTRACTION</u>	<u>METHOD</u>
	<u>DETECTION</u>	<u>LIMIT</u>		
Au Gold	1	ppb	MIBK (acid leach)	atomic absorption
Ag Silver	0.1	ppm 30	HCl-HNO ₃	ind. coupled plasma
Al * Aluminum	0.01	%	HCl-HNO ₃	ind. coupled plasma
As Arsenic	2	ppm 10000	HCl-HNO ₃	ind. coupled plasma
B * Boron	2	ppm	HCl-HNO ₃	ind. coupled plasma
Ba * Barium	2	ppm	HCl-HNO ₃	ind. coupled plasma
Bi Bismuth	2	ppm	HCl-HNO ₃	ind. coupled plasma
Ca * Calcium	0.01	%	HCl-HNO ₃	ind. coupled plasma
Cd Cadmium	1.0	ppm 10000	HCl-HNO ₃	ind. coupled plasma
Co Cobalt	1	ppm	HCl-HNO ₃	ind. coupled plasma
Cr * Chromium	1	ppm	HCl-HNO ₃	ind. coupled plasma
Cu Copper	1	ppm 10000	HCl-HNO ₃	ind. coupled plasma
Fe • Iron	0.01	%	HCl-HNO ₃	ind. coupled plasma
K * Potassium	0.01	%	HCl-HNO ₃	ind. coupled plasma
La * Lanthanum	2	ppm	HCl-HNO ₃	ind. coupled plasma
Mg * Magnesium	0.01	%	HCl-HNO ₃	ind. coupled plasma
Mn * Manganese	1	ppm	HCl-HNO ₃	ind. coupled plasma
Mo Molybdenum	1	ppm 1000	HCl-HNO ₃	ind. coupled plasma
Na * Sodium	0.01	%	HCl-HNO ₃	ind. coupled plasma
Ni Nickel	1	ppm 10000	HCl-HNO ₃	ind. coupled plasma
P * Phosphorus	0.001	%	HCl-HNO ₃	ind. coupled plasma
Pb Lead	2	ppm 10000	HCl-HNO ₃	ind. coupled plasma
Sb Antimony	2	ppm 1000	HCl-HNO ₃	ind. coupled plasma
Sr * Strontium	1	ppm	HCl-HNO ₃	ind. coupled plasma
Th Thorium	2	ppm	HCl-HNO ₃	ind. coupled plasma
Ti * Titanium	0.01	%	HCl-HNO ₃	ind. coupled plasma
U Uranium	5	ppm	HCl-HNO ₃	ind. coupled plasma
V Vanadium	2	ppm	HCl-HNO ₃	ind. coupled plasma
W Tungston	2	ppm	HCl-HNO ₃	ind. coupled plasma
Zn Zinc	1	ppm 10000	HCl-HNO ₃	ind. coupled plasma

* Please note: certain mineral forms of those elements above marked with an asterisk will not be soluble in the HCl-HNO₃ extraction. The ICP data will be low biased.

ANALYTICAL PROCEDURES

Geochemical Analysis - Rock

by ACME Analytical Laboratories Ltd.

<u>ELEMENT</u>	<u>LOWER</u>	<u>UPPER</u>	<u>EXTRACTION</u>	<u>METHOD</u>
	<u>DETECTION</u>	<u>LIMIT</u>		
Au Gold	1	ppb	Fire Assay	atomic absorption
Ag Silver	0.1	ppm 30	HCl-HNO ₃	ind. coupled plasma
Al * Aluminum	0.01	%	HCl-HNO ₃	ind. coupled plasma
As Arsenic	2	ppm 10000	HCl-HNO ₃	ind. coupled plasma
B * Boron	2	ppm	HCl-HNO ₃	ind. coupled plasma
Ba * Barium	2	ppm	HCl-HNO ₃	ind. coupled plasma
Bi Bismuth	2	ppm	HCl-HNO ₃	ind. coupled plasma
Ca * Calcium	0.01	%	HCl-HNO ₃	ind. coupled plasma
Cd Cadmium	1.0	ppm 10000	HCl-HNO ₃	ind. coupled plasma
Co Cobalt	1	ppm	HCl-HNO ₃	ind. coupled plasma
Cr • Chromium	1	ppm	HCl-HNO ₃	ind. coupled plasma
Cu Copper	1	ppm 10000	HCl-HNO ₃	ind. coupled plasma
Fe * Iron	0.01	%	HCl-HNO ₃	ind. coupled plasma
K • Potassium	0.01	%	HCl-HNO ₃	ind. coupled plasma
La * Lanthanum	2	ppm	HCl-HNO ₃	ind. coupled plasma
Mg * Magnesium	0.01	%	HCl-HNO ₃	ind. coupled plasma
Mn * Manganese	1	ppm	HCl-HNO ₃	ind. coupled plasma
Mo Molybdenum	1	ppm 1000	HCl-HNO ₃	ind. coupled plasma
Na * Sodium	0.01	%	HCl-HNO ₃	ind. coupled plasma
Ni Nickel	1	ppm 10000	HCl-HNO ₃	ind. coupled plasma
P * Phosphorus	0.001	%	HCl-HNO ₃	ind. coupled plasma
Pb Lead	2	ppm 10000	HCl-HNO ₃	ind. coupled plasma
Sb Antimony	2	ppm 1000	HCl-HNO ₃	ind. coupled plasma
Sr • Strontium	1	ppm	HCl-HNO ₃	ind. coupled plasma
Th Thorium	2	ppm	HCl-HNO ₃	ind. coupled plasma
Ti • Titanium	0.01	%	HCl-HNO ₃	ind. coupled plasma
U Uranium	5	ppm	HCl-HNO ₃	ind. coupled plasma
V Vanadium	2	ppm	HCl-HNO ₃	ind. coupled plasma
W Tungston	2	ppm	HCl-HNO ₃	ind. coupled plasma
Zn Zinc	1	ppm 10000	HCl-HNO ₃	ind. coupled plasma

* Please note: certain mineral forms of those elements above marked with an asterisk will not be soluble in the HCl-HNO₃ extraction. The ICP data will be low biased.

APPENDIX 2

Date of Report: 30-Oct-90

Project 228

Flop

Soil Sampling Results
1990

Reference: acme90-5475

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mo ppm	Ni ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
L02S 4E	5	0.3	2	151	2	6	24	30	2.17	3	25	15	2	1	73
L02S 5E	4	0.6	3	174	2	6	31	38	2.63	20	33	12	2	1	79
L02S 6E	2	0.1	3	181	2	5	26	24	1.93	5	27	20	2	1	45
L02S 7E	6	0.2	3	173	2	5	25	21	2.08	3	23	16	2	1	49
L02S 8E	1	0.1	2	95	2	4	19	9	2.01	1	15	2	2	1	47
L03S 3E	9	0.2	5	158	2	10	32	41	2.46	3	26	6	2	1	107
L03S 4E	2	0.1	7	200	2	6	33	29	2.07	2	27	6	2	1	72
L03S 5E	1	0.1	3	161	2	5	26	32	1.84	11	23	7	2	1	42
L03S 6E	1	0.3	6	208	2	7	26	18	2.70	5	25	15	2	1	78
L03S 7E	3	0.1	6	116	2	5	24	9	2.13	1	14	9	2	1	46
L03S 8E	3	0.2	2	173	2	7	26	22	2.07	44	22	12	2	1	52
L04S 0E	3	0.1	7	146	2	7	39	20	2.78	2	28	13	2	1	76
L04S 1E	1	0.1	6	137	2	6	27	15	2.22	1	20	9	2	1	56
L04S 2E	2	0.3	7	109	2	6	26	12	2.31	1	18	11	2	1	68
L04S 3E	2	0.3	4	100	2	6	23	15	2.16	1	20	11	2	1	104
L04S 4E	2	0.2	2	187	2	6	33	22	1.83	2	27	15	2	1	94
L04S 5E	5	0.1	2	180	2	8	34	18	2.35	16	26	7	2	1	56
L04S 6E	4	0.1	2	143	2	5	28	13	2.09	4	20	10	2	1	51
L04S 7E	2	0.1	5	114	2	7	27	10	2.04	2	19	8	2	1	57
L04S 8E	2	0.3	7	181	2	7	33	29	2.83	29	32	26	2	1	61
L05S 0E	2	0.5	23	41	2	5	16	30	2.36	2	12	14	2	1	53
L05S 1E	8	0.4	13	89	2	10	31	26	2.56	2	27	13	2	1	92
L05S 2E	1	0.3	5	74	2	10	28	23	2.37	2	26	13	2	4	110
L05S 3E	1	0.6	9	62	2	14	27	68	2.27	3	21	6	2	1	82
L05S 4E	1	0.3	3	121	2	7	28	18	1.79	4	18	10	2	1	60
L05S 5E	2	0.1	2	145	2	7	27	18	2.09	19	21	9	2	1	53
L05S 6E	1	0.2	4	67	2	3	15	8	1.41	1	13	12	2	1	29
L05S 7E	1	0.2	3	64	2	2	17	6	1.31	1	13	12	2	4	31
L05S 8E	2	0.2	2	130	2	5	28	14	2.25	20	19	7	2	4	51
L06S 0E	2	0.4	2	85	2	4	21	8	1.69	4	16	14	2	3	52
L06S 1E	2	0.3	32	67	2	4	17	11	1.69	1	10	9	8	1	37
L06S 2E	4	0.4	9	118	4	7	16	19	2.11	3	15	14	2	5	87
L06S 3E	3	0.7	11	77	2	8	20	50	2.13	5	19	10	2	1	93
L06S 4E	2	0.2	11	114	2	7	33	32	2.44	2	22	8	2	1	93
L06S 5E	3	0.1	7	128	2	6	33	19	2.06	1	19	8	2	1	39
L06S 6E	1	0.8	9	280	2	6	30	40	2.31	7	32	11	2	1	65
L06S 7E	5	0.2	2	79	2	3	19	10	1.78	1	7	15	2	3	41
L06S 8E	3	0.4	2	179	2	5	26	21	2.31	38	18	18	2	1	41
L07S 0E	1	0.4	8	111	2	6	29	12	2.42	1	20	15	2	1	51
L07S 1E	3	0.4	6	108	2	7	34	16	2.67	1	18	20	2	1	62

Project 228

Soil Sampling Results (part 2)

Sample ID	Al %	B ppm	Ca %	Cd ppm	K %	La ppm	Mg %	Mn ppm	Na %	P %	Sr ppm	Th ppm	Ti %	U ppm	V ppm
L02S 4E	2.27	3	0.56	0.4	0.07	11	0.46	417	0.03	0.045	51	1	0.11	5	45
L02S 5E	2.87	2	0.61	1.0	0.10	23	0.47	318	0.03	0.086	56	1	0.08	5	51
L02S 6E	2.88	2	0.33	0.2	0.07	17	0.40	181	0.04	0.052	40	1	0.11	5	41
L02S 7E	3.08	2	0.28	0.2	0.07	14	0.34	144	0.04	0.042	35	1	0.12	5	44
L02S 8E	2.19	2	0.12	0.2	0.05	6	0.21	136	0.02	0.077	20	1	0.11	5	44
L03S 3E	2.19	2	0.43	0.6	0.22	12	0.58	1039	0.03	0.057	42	1	0.12	5	58
L03S 4E	2.17	2	0.45	0.4	0.18	17	0.54	739	0.04	0.061	43	1	0.12	5	50
L03S 5E	2.49	2	0.39	0.2	0.07	19	0.42	191	0.03	0.053	43	1	0.09	5	40
L03S 6E	2.93	2	0.27	0.2	0.08	12	0.48	292	0.03	0.031	35	1	0.16	5	56
L03S 7E	2.26	3	0.08	0.2	0.05	8	0.26	116	0.02	0.028	21	1	0.13	5	48
L03S 8E	2.72	2	0.45	0.2	0.08	21	0.34	627	0.03	0.057	45	1	0.08	5	45
L04S 0E	2.58	2	0.22	0.2	0.11	10	0.62	347	0.02	0.038	57	1	0.13	5	56
L04S 1E	2.15	2	0.17	0.2	0.06	12	0.40	428	0.02	0.034	35	1	0.11	5	48
L04S 2E	2.19	2	0.13	0.2	0.07	7	0.33	235	0.02	0.106	21	1	0.11	5	50
L04S 3E	1.81	2	0.23	0.2	0.07	6	0.34	355	0.02	0.087	34	1	0.11	5	48
L04S 4E	2.77	2	0.41	0.9	0.10	15	0.48	402	0.03	0.047	46	1	0.08	5	38
L04S 5E	2.58	2	0.32	0.2	0.10	14	0.49	473	0.02	0.042	37	1	0.11	5	49
L04S 6E	2.52	2	0.29	0.3	0.08	13	0.42	253	0.03	0.037	36	1	0.10	5	43
L04S 7E	1.88	2	0.18	0.2	0.06	7	0.39	691	0.02	0.051	25	1	0.10	5	45
L04S 8E	3.25	2	0.43	0.2	0.10	16	0.54	316	0.03	0.037	44	1	0.12	5	51
L05S 0E	2.88	2	0.05	0.2	0.04	6	0.18	285	0.02	0.087	10	1	0.12	5	46
L05S 1E	2.55	2	0.19	0.2	0.07	11	0.46	470	0.02	0.063	35	1	0.12	5	49
L05S 2E	2.05	2	0.11	0.5	0.06	7	0.39	414	0.02	0.053	20	1	0.12	5	51
L05S 3E	1.95	2	0.13	0.5	0.06	11	0.31	500	0.02	0.071	23	1	0.10	5	48
L05S 4E	1.86	2	0.34	0.2	0.09	13	0.45	502	0.02	0.045	39	1	0.10	5	43
L05S 5E	2.39	2	0.25	0.2	0.10	11	0.47	279	0.02	0.038	29	1	0.13	5	46
L05S 6E	1.51	2	0.09	0.2	0.06	6	0.20	102	0.02	0.038	17	1	0.10	5	34
L05S 7E	1.40	5	0.10	0.2	0.04	5	0.20	106	0.02	0.032	17	1	0.09	5	30
L05S 8E	1.74	5	0.32	0.2	0.16	10	0.52	370	0.02	0.062	30	1	0.10	5	50
L06S 0E	1.66	4	0.13	0.2	0.06	8	0.24	149	0.01	0.057	24	1	0.08	5	36
L06S 1E	1.45	2	0.04	0.4	0.04	6	0.19	195	0.01	0.076	14	1	0.09	5	34
L06S 2E	2.11	4	0.12	0.2	0.09	7	0.32	390	0.02	0.056	22	1	0.11	5	53
L06S 3E	1.60	2	0.16	0.5	0.06	15	0.28	648	0.02	0.055	27	1	0.10	5	45
L06S 4E	1.67	2	0.28	0.2	0.13	15	0.50	399	0.02	0.070	38	2	0.11	5	52
L06S 5E	1.70	2	0.23	0.2	0.11	12	0.46	259	0.02	0.038	43	1	0.11	5	48
L06S 6E	3.51	2	0.42	0.2	0.09	28	0.38	342	0.03	0.070	57	1	0.08	6	41
L06S 7E	1.74	2	0.23	0.2	0.06	4	0.22	287	0.02	0.093	20	1	0.10	5	40
L06S 8E	3.13	2	0.35	0.2	0.08	18	0.38	339	0.03	0.049	39	1	0.10	5	44
L07S 0E	2.85	2	0.13	0.3	0.08	10	0.31	236	0.02	0.109	25	1	0.12	5	49
L07S 1E	2.86	2	0.10	0.2	0.08	7	0.37	352	0.02	0.077	21	2	0.13	5	57

Date of Report: 30-Oct-90

Project 228

Flop

Soil Sampling Results
1990

Reference: acme90-5475

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mo ppm	Ni ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
L07S 2E	2	0.2	6	100	2	5	23	13	2.36	1	17	9	2	1	56
L07S 3E	2	0.2	9	128	2	5	25	13	2.29	2	15	10	2	2	56
L07S 4E	1	0.4	3	111	2	5	27	12	2.43	2	17	16	2	1	61
L07S 5E	1	0.2	2	94	2	4	24	11	1.98	2	13	11	2	4	40
L07S 6E	3	0.7	6	166	2	8	28	36	2.07	49	23	12	2	1	60
L07S 7E	2	0.2	2	165	2	6	30	26	1.88	27	19	16	2	1	61
L07S 8E	1	0.3	2	168	2	8	31	25	2.92	46	20	12	2	1	72
L08S 0E	1	0.1	6	101	2	6	28	19	2.79	3	20	13	2	1	59
L08S 1E	1	0.2	6	134	2	6	30	15	2.53	1	19	8	2	1	62
L08S 2E	2	0.1	4	95	2	5	26	12	2.30	1	16	10	2	1	37
L08S 3E	2	0.2	5	103	2	6	31	22	2.65	5	19	13	2	1	68
L08S 4E	5	0.1	8	82	2	5	24	26	2.28	3	12	12	2	1	58
L08S 5E	3	0.3	5	153	2	7	30	19	2.57	3	18	10	2	1	57
L08S 6E	2	0.3	5	109	2	4	24	19	2.28	8	9	10	2	1	67
L08S 7E	2	0.5	2	134	2	8	27	90	2.69	71	31	11	2	1	108
L08S 8E	4	0.2	3	120	2	6	36	21	2.37	20	22	10	2	1	67
L09S 0E	4	0.8	9	103	2	6	24	44	2.15	5	19	19	2	1	87
L09S 1E	4	0.4	10	122	3	8	30	38	3.11	4	21	7	2	1	82
L09S 2E	3	0.3	10	98	2	7	26	26	2.94	2	17	16	2	1	69
L09S 3E	1	0.2	7	103	2	7	28	15	2.58	1	17	9	2	1	64
L09S 4E	3	0.1	5	159	2	6	34	19	2.74	1	19	16	3	1	53
L09S 5E	1	0.2	6	75	2	5	29	13	2.77	1	16	10	2	1	44
L09S 6E	2	0.1	2	91	4	5	30	9	1.81	10	15	10	2	1	57
L09S 7E	2	0.2	3	87	2	5	27	16	2.46	7	15	9	2	1	72
L09S 8E	1	0.2	3	80	2	7	20	21	1.62	13	15	11	2	1	57
L10S 0E	1	0.2	7	119	2	5	31	12	2.27	1	17	14	2	1	60
L10S 1E	1	0.4	2	92	2	5	27	16	2.32	1	15	11	2	1	53
L10S 2E	2	0.1	5	101	2	3	21	12	1.77	2	11	9	2	1	44
L10S 3E	2	0.3	4	112	2	6	30	20	2.56	2	16	11	2	1	59
L10S 4E	5	0.5	7	103	2	5	26	14	2.24	3	15	13	2	1	54
L10S 5E	1	0.3	6	95	3	6	22	12	1.89	1	12	13	2	1	44
L10S 6E	4	0.3	2	276	2	10	40	28	3.24	21	30	16	2	1	72
L10S 7E	14	0.1	2	197	2	8	36	29	2.40	32	26	13	2	1	88
L10S 8E	3	0.4	10	78	2	8	26	32	2.50	8	17	7	2	1	74
L11S 0E	10	0.2	2	117	2	6	31	15	2.06	1	19	9	2	1	53
L11S 1E	1	0.3	2	119	2	5	28	15	1.62	2	17	11	2	1	44
L11S 2E	3	0.3	2	106	2	5	25	14	2.06	1	17	7	2	1	46
L11S 3E	9	0.3	2	73	2	4	21	15	2.22	1	13	11	2	1	48
L11S 4E	1	0.2	2	98	2	6	25	16	2.50	1	16	8	2	1	51
L12S 0E	1	0.3	2	194	2	7	34	19	2.72	2	25	6	2	1	67

Project 228 Soil Sampling Results (part 2)

Sample ID	Al %	B ppm	Ca %	Cd ppm	K %	La ppm	Mg %	Mn ppm	Na %	P %	Sr ppm	Th ppm	Ti %	U ppm	V ppm
L07S 2E	2.42	2	0.13	0.3	0.07	7	0.27	229	0.02	0.093	25	1	0.12	5	49
L07S 3E	2.35	2	0.16	0.2	0.08	7	0.32	299	0.02	0.088	33	1	0.12	5	49
L07S 4E	2.15	3	0.23	0.2	0.07	7	0.35	286	0.02	0.094	35	1	0.12	5	49
L07S 5E	1.68	2	0.16	0.2	0.06	7	0.33	159	0.02	0.051	39	1	0.11	5	45
L07S 6E	3.34	2	0.47	0.5	0.06	35	0.31	1681	0.03	0.118	44	1	0.06	7	42
L07S 7E	1.91	2	0.45	0.5	0.12	16	0.47	615	0.03	0.067	54	1	0.11	5	43
L07S 8E	2.56	2	0.38	0.3	0.09	14	0.47	540	0.03	0.047	41	1	0.11	5	55
L08S 0E	2.54	2	0.12	0.2	0.08	7	0.39	237	0.02	0.088	20	2	0.13	5	58
L08S 1E	2.37	2	0.22	0.5	0.08	6	0.33	571	0.02	0.183	30	1	0.12	5	52
L08S 2E	2.84	2	0.10	0.2	0.06	10	0.27	159	0.02	0.076	25	1	0.12	5	47
L08S 3E	2.62	2	0.12	0.2	0.07	10	0.35	249	0.02	0.087	34	1	0.12	5	52
L08S 4E	1.62	2	0.14	0.2	0.06	7	0.32	186	0.02	0.062	32	1	0.12	5	48
L08S 5E	2.31	2	0.24	0.2	0.10	12	0.48	350	0.02	0.047	54	1	0.10	5	52
L08S 6E	2.39	2	0.29	0.3	0.05	18	0.45	181	0.03	0.052	29	1	0.11	5	51
L08S 7E	2.72	2	0.55	2.6	0.08	29	0.38	1661	0.03	0.082	50	1	0.08	5	49
L08S 8E	2.12	2	0.38	0.2	0.09	12	0.60	349	0.03	0.039	62	1	0.13	5	51
L09S 0E	2.68	2	0.17	0.8	0.07	15	0.39	190	0.02	0.037	36	1	0.12	5	41
L09S 1E	2.95	2	0.09	0.2	0.09	11	0.39	324	0.02	0.064	21	2	0.14	5	61
L09S 2E	2.84	2	0.09	0.2	0.08	7	0.34	295	0.02	0.070	17	2	0.14	5	58
L09S 3E	2.60	2	0.10	0.2	0.06	9	0.31	176	0.02	0.090	21	2	0.12	5	50
L09S 4E	2.72	2	0.15	0.2	0.11	9	0.50	204	0.02	0.069	24	2	0.12	5	53
L09S 5E	3.16	2	0.08	0.2	0.05	7	0.28	126	0.02	0.088	19	2	0.13	5	53
L09S 6E	1.66	2	0.24	0.2	0.08	8	0.51	180	0.02	0.034	29	1	0.12	5	41
L09S 7E	2.43	2	0.12	0.2	0.06	9	0.31	176	0.02	0.049	23	1	0.12	5	49
L09S 8E	1.77	2	0.17	0.2	0.05	18	0.26	189	0.02	0.043	22	1	0.09	5	36
L10S 0E	2.20	2	0.18	0.2	0.07	9	0.44	250	0.02	0.051	31	1	0.12	5	45
L10S 1E	2.41	2	0.12	0.2	0.06	9	0.31	252	0.02	0.083	23	1	0.11	5	45
L10S 2E	2.06	2	0.13	0.2	0.05	9	0.25	106	0.02	0.038	27	1	0.10	5	36
L10S 3E	2.71	2	0.19	0.2	0.08	12	0.40	189	0.02	0.050	32	1	0.10	5	49
L10S 4E	1.92	4	0.16	0.2	0.07	9	0.34	204	0.02	0.053	31	1	0.11	5	45
L10S 5E	1.98	2	0.13	0.2	0.05	11	0.28	239	0.02	0.044	24	1	0.10	5	39
L10S 6E	3.81	2	0.44	0.4	0.12	17	0.56	692	0.03	0.041	44	1	0.12	5	57
L10S 7E	2.84	2	0.29	0.4	0.08	11	0.51	232	0.02	0.031	40	1	0.12	5	50
L10S 8E	2.52	3	0.08	0.3	0.06	8	0.29	358	0.02	0.071	14	3	0.11	7	51
L11S 0E	2.12	2	0.19	0.2	0.07	11	0.45	254	0.02	0.042	36	2	0.11	5	45
L11S 1E	1.83	2	0.16	0.2	0.06	11	0.41	153	0.02	0.024	34	1	0.10	6	36
L11S 2E	2.62	2	0.11	0.2	0.06	9	0.33	126	0.02	0.035	20	2	0.11	5	41
L11S 3E	2.09	3	0.10	0.2	0.05	6	0.23	127	0.02	0.094	16	2	0.10	5	44
L11S 4E	2.81	4	0.08	0.2	0.05	10	0.32	130	0.02	0.057	20	2	0.12	5	48
L12S 0E	2.83	2	0.42	0.2	0.08	19	0.53	511	0.02	0.032	40	2	0.11	5	55

Date of Report: 30-Oct-90

Project 228

Flop

Soil Sampling Results
1990

Reference: acme90-5475

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mo ppm	Ni ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
L12S 1E	3	0.1	2	115	2	6	33	12	2.03	1	18	9	2	1	52
L12S 2E	2	0.3	2	90	2	6	27	11	2.15	1	18	9	2	1	48
L12S 3E	2	0.2	2	75	2	3	24	9	2.11	2	12	8	2	1	36
L12S 4E	1	0.3	2	141	2	5	25	15	1.82	12	19	8	2	1	56
L13S 0E	3	0.1	10	81	2	8	31	18	2.61	1	22	10	2	1	65
L13S 1E	1	0.3	2	92	2	7	30	16	2.46	1	20	8	2	1	54
L13S 2E	2	0.8	2	195	2	9	29	22	1.63	24	18	8	2	1	60
L13S 3E	1	0.2	2	99	2	5	21	9	1.92	1	14	8	2	1	45
L13S 4E	1	0.1	4	80	2	5	26	13	2.10	1	14	5	2	1	40
n=	89														
min :	1	0.1	2	41	2	2	15	6	1.31	1	7	2	2	1	29
max :	14	0.8	32	280	4	14	40	90	3.24	71	33	26	8	5	110
25% ile :	1	0.1	2	92	2	5	24	13	2.04	1	15	8	2	1	48
50% ile :	2	0.2	4	112	2	6	27	18	2.27	2	19	11	2	1	57
75% ile :	3	0.3	7	151	2	7	30	25	2.50	7	22	13	2	1	69
95% ile :	8	0.7	11	197	2	10	34	41	2.83	38	30	18	2	4	94

Project 228 Soil Sampling Results (part 2)

Sample ID	Al %	B ppm	Ca %	Cd ppm	K %	La ppm	Mg %	Mn ppm	Na %	P %	Sr ppm	Th ppm	Ti %	U ppm	V ppm
L12S 1E	1.76	2	0.27	0.2	0.05	9	0.51	254	0.01	0.040	44	1	0.11	5	47
L12S 2E	2.28	2	0.10	0.2	0.06	8	0.30	174	0.01	0.065	21	3	0.11	5	44
L12S 3E	2.49	3	0.08	0.2	0.04	8	0.24	88	0.01	0.038	18	2	0.10	5	42
L12S 4E	2.84	2	0.31	0.2	0.06	9	0.35	164	0.02	0.054	35	1	0.08	5	33
L13S 0E	2.84	5	0.10	0.3	0.06	8	0.39	321	0.01	0.075	17	3	0.12	5	53
L13S 1E	2.63	2	0.11	0.2	0.06	8	0.36	226	0.01	0.115	19	3	0.11	5	49
L13S 2E	2.48	4	0.31	0.9	0.05	24	0.33	612	0.02	0.099	33	1	0.05	6	42
L13S 3E	1.88	3	0.14	0.2	0.04	8	0.32	137	0.01	0.036	23	2	0.11	5	40
L13S 4E	2.41	3	0.08	0.2	0.04	12	0.27	142	0.02	0.070	24	2	0.11	5	44
n=	89														
min :	1.40	2	0.04	0.2	0.04	4	0.18	88	0.01	0.024	10	1	0.05	5	30
max :	3.81	5	0.61	2.6	0.22	35	0.62	1681	0.04	0.183	62	3	0.16	7	61
25% ile :	1.95	2	0.12	0.2	0.06	7	0.31	180	0.02	0.041	21	1	0.10	5	43
50% ile :	2.41	2	0.17	0.2	0.07	10	0.36	254	0.02	0.055	31	1	0.11	5	48
75% ile :	2.72	2	0.31	0.3	0.08	14	0.46	390	0.02	0.076	39	1	0.12	5	51
95% ile :	3.16	4	0.45	0.8	0.12	23	0.54	692	0.03	0.106	54	2	0.13	6	57

Date of Report: 31-Oct-90

Project 228

Flop

Silt Sampling Results
1990

Reference: acme90-5475, 5542

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mo ppm	Ni ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
FL-JD-90-01	1	0.8	2	226	2	12	27	21	2.81	43	23	11	2	1	93
228-90-S01	1	0.2	7	118	2	8	29	18	2.37	8	18	6	2	2	40
228-90-S02	1	0.3	10	610	2	27	24	19	5.06	82	21	6	3	1	136
228-90-S03	1	0.1	3	117	2	8	34	17	2.92	4	21	11	3	1	52
228-90-S04	1	0.1	5	68	2	5	21	13	1.73	2	17	3	4	1	33
228-90-S05	2	0.3	3	183	2	8	32	20	2.67	4	22	10	2	1	67

Project 228 Silt Sampling Results (part 2)

Sample ID	Al %	B ppm	Ca %	Cd ppm	K %	La ppm	Mg %	Mn ppm	Na %	P %	Sr ppm	Th ppm	Ti %	U ppm	V ppm
FL-JD-90-01	2.40	2	0.61	1.5	0.09	23	0.43	2438	0.02	0.088	63	1	0.07	5	55
228-90-S01	1.15	2	0.33	1.0	0.13	15	0.46	803	0.04	0.053	29	3	0.10	5	52
228-90-S02	2.29	2	0.57	2.5	0.09	25	0.35	12608	0.02	0.094	68	1	0.07	5	70
228-90-S03	1.58	3	0.28	0.2	0.12	12	0.42	431	0.02	0.081	37	3	0.11	5	64
228-90-S04	0.75	2	0.24	0.3	0.09	12	0.37	409	0.04	0.039	21	3	0.07	5	36
228-90-S05	1.81	4	0.54	0.9	0.17	20	0.55	687	0.02	0.078	46	2	0.11	5	62

Date of Report: 31-Oct-90

Project 228

Flop

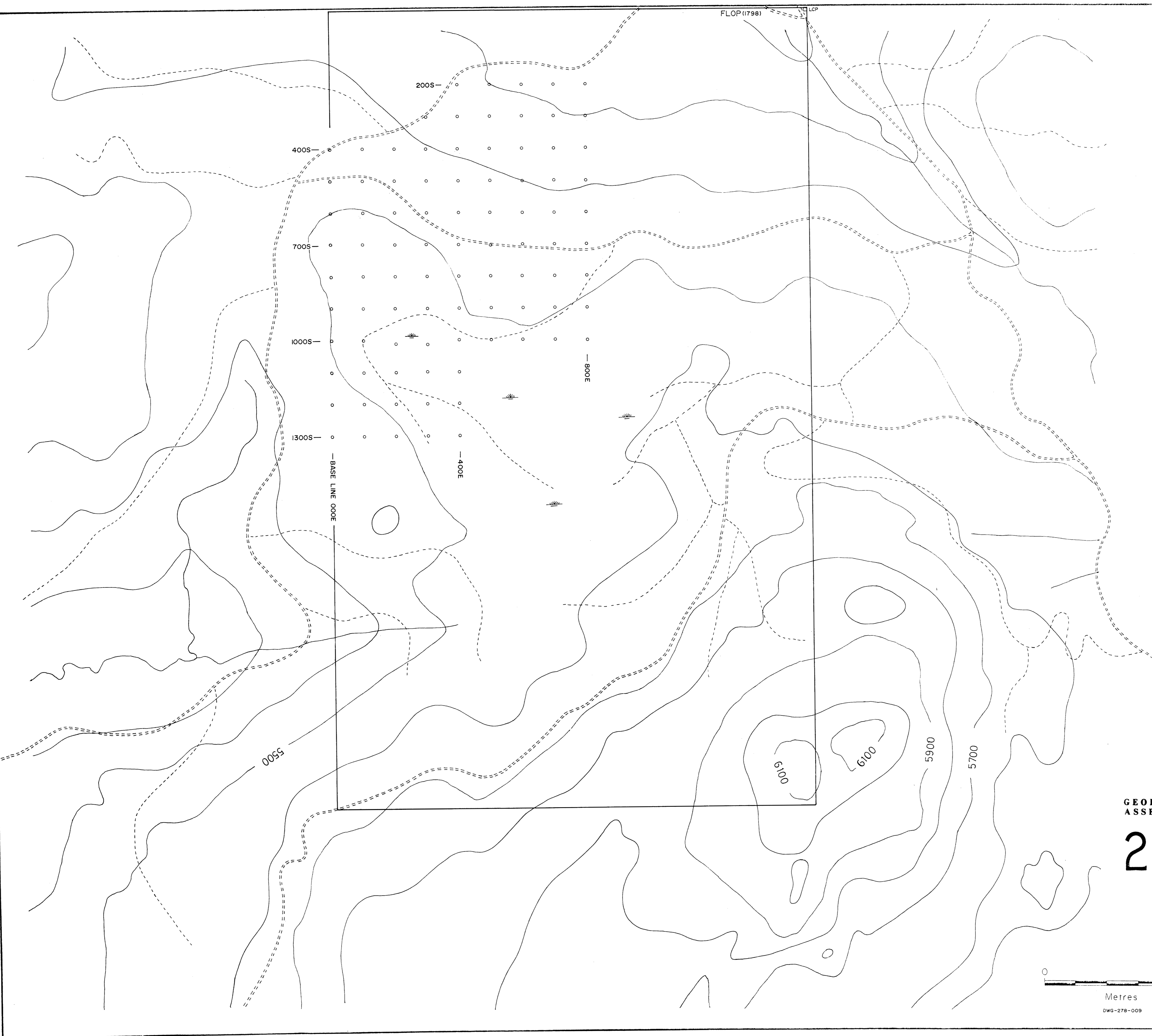
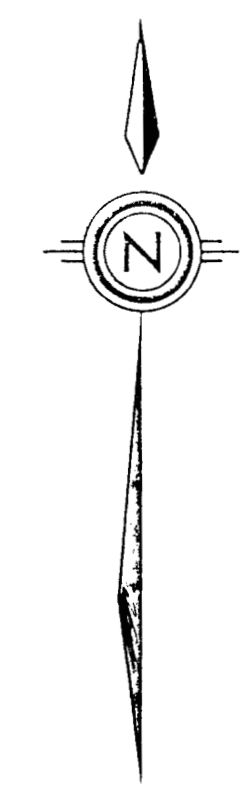
Rock Sampling Results
1990

Reference: acme90-5542

Sample ID	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mo ppm	Ni ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
228-90-01	1	0.3	2	78	2	3	11	31	0.80	7	9	3	2	1	17
228-90-02	6	0.3	6	79	2	7	35	28	1.86	2	18	3	2	1	61
228-90-03	22	0.7	2	25	2	4	6	52	1.66	1	14	6	2	2	46
228-90-04	2	0.2	2	65	2	2	10	46	1.87	19	8	2	2	1	26
228-90-05	1	0.5	2	111	11	2	60	12	1.16	30	11	13	2	1	35
228-90-06	1	0.6	8	40	3	14	13	287	3.86	156	12	7	2	1	57

Project 228 Rock Sampling Results (part 2)

Sample ID	Al %	B ppm	Ca %	Cd ppm	K %	La ppm	Mg %	Mn ppm	Na %	P %	Sr ppm	Th ppm	Ti %	U ppm	V ppm
228-90-01	0.44	3	0.93	0.4	0.05	8	0.08	158	0.05	0.058	35	3	0.12	5	22
228-90-02	1.10	3	2.85	0.2	0.16	12	0.46	288	0.08	0.076	44	4	0.17	5	57
228-90-03	0.21	2	16.42	1.1	0.04	4	0.13	235	0.03	0.036	197	2	0.07	5	19
228-90-04	0.52	4	0.32	0.3	0.21	8	0.27	246	0.06	0.047	13	3	0.19	5	28
228-90-05	0.47	4	0.09	0.4	0.14	23	0.24	227	0.04	0.031	12	8	0.02	5	13
228-90-06	0.52	2	0.67	1.7	0.08	5	0.41	335	0.04	0.103	27	2	0.11	5	58

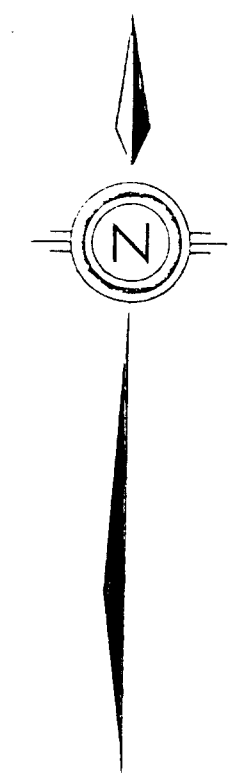


GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,831



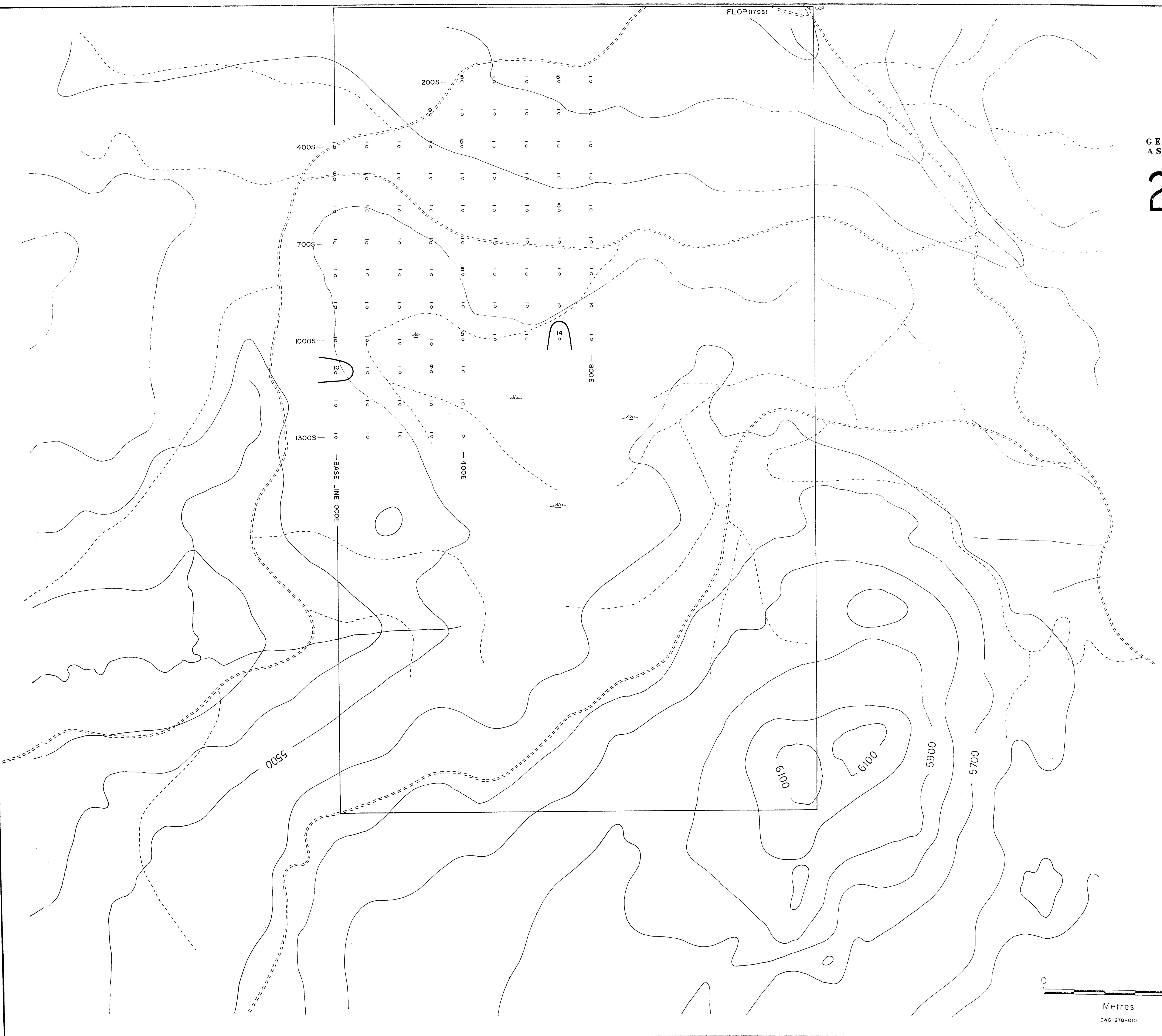
INCO GOLD	
DISCOVERY	Consultants
CHEVRON MINERALS LTD.	
FLOP PROPERTY	
SOIL SAMPLING	
SAMPLE LOCATION MAP	
Date	DEC 12 / 1990
Project	228
Figure	3
Scale	1 : 5,000
NTS	82L / 4W
Mining Division	Nicaragua



GEOLOGICAL BRANCH
ASSESSMENT REPORT

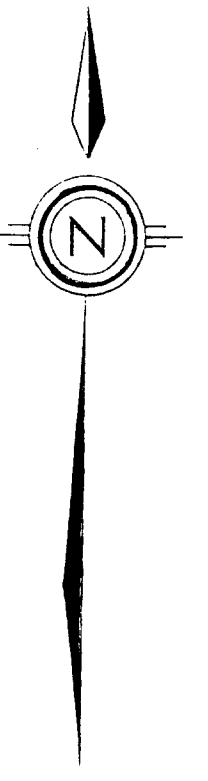
20,831
LEGEND

- ○ ○ Soil sample
- 1/2 Values shown in parts per billion Gold
- 5 Indicates <5 ppb Au
- Contoured at 10 ppb Au



INCO GOLD	
DISCOVERY	Consultants
CHEVRON MINERALS LTD.	
FLOP PROPERTY	
SOIL SAMPLING	
GOLD (Au)	
Date	DEC 12 / 1990
Project	228
Figure	4
Scale	1:5,000
NTS	32L/4W
Minning Division	Nicoia

DWG-278-010

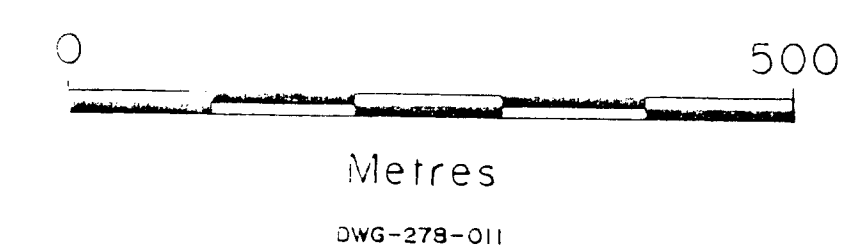
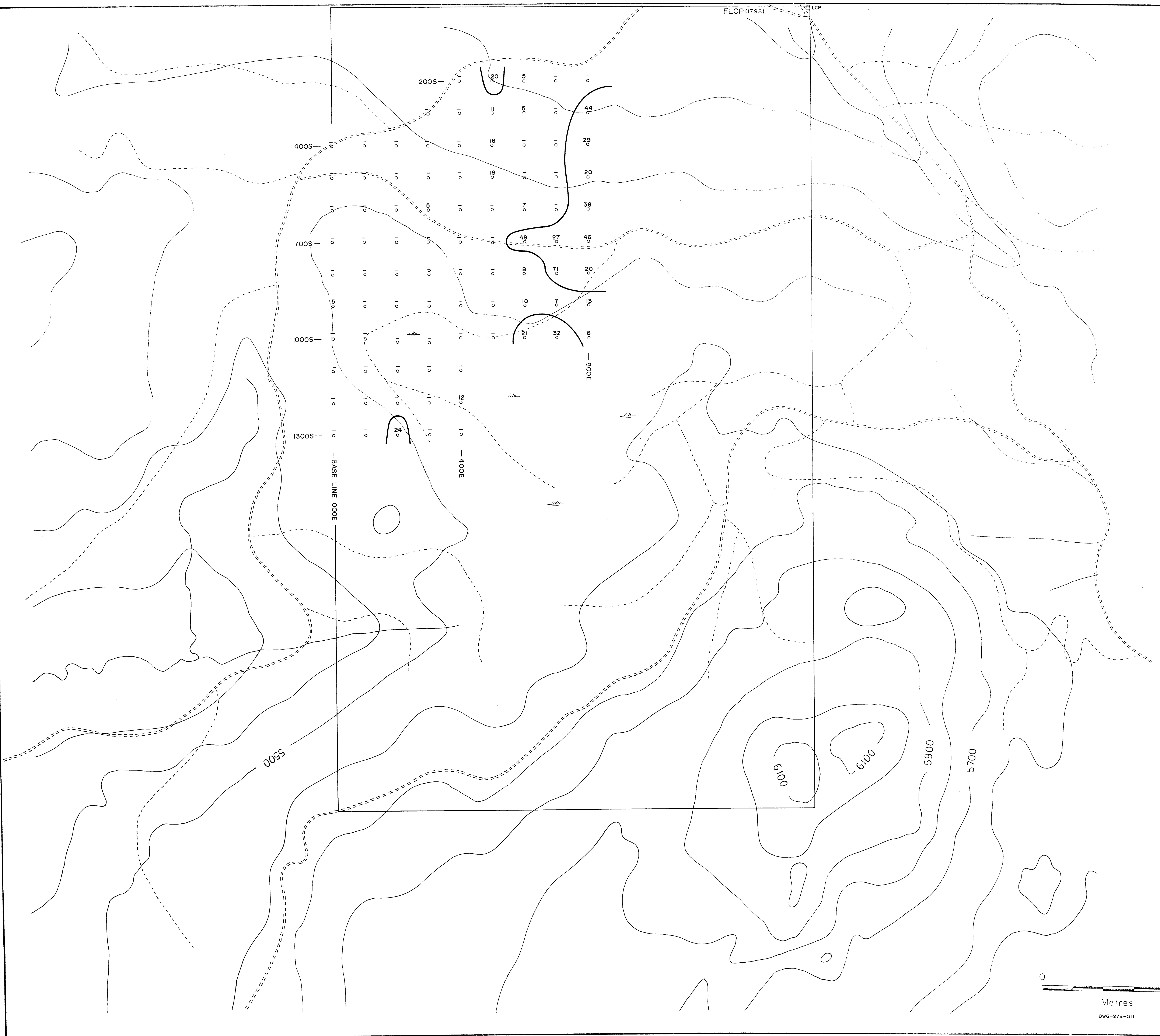


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,831

LEGEND

- ○ ○ Soil sample
- 44 Values shown in parts per million Molybdenum
- ⊖ Indicates <5 ppm Mo
- Contoured at 20 ppm Mo



DWG-278-011

INCO GOLD	
DISCOVERY Consultants	
CHEVRON MINERALS LTD.	
FLOP PROPERTY SOIL SAMPLING MOLYBDENUM (Mo)	
Date	DEC 12 / 1990
Scale	1 : 5,000
Project	228 NTS #2L V4 W
Figure	5 Mining Division: Nicaragua

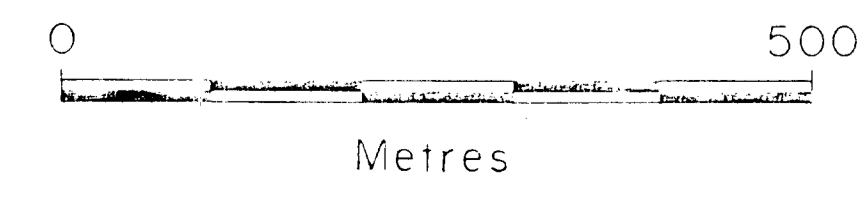
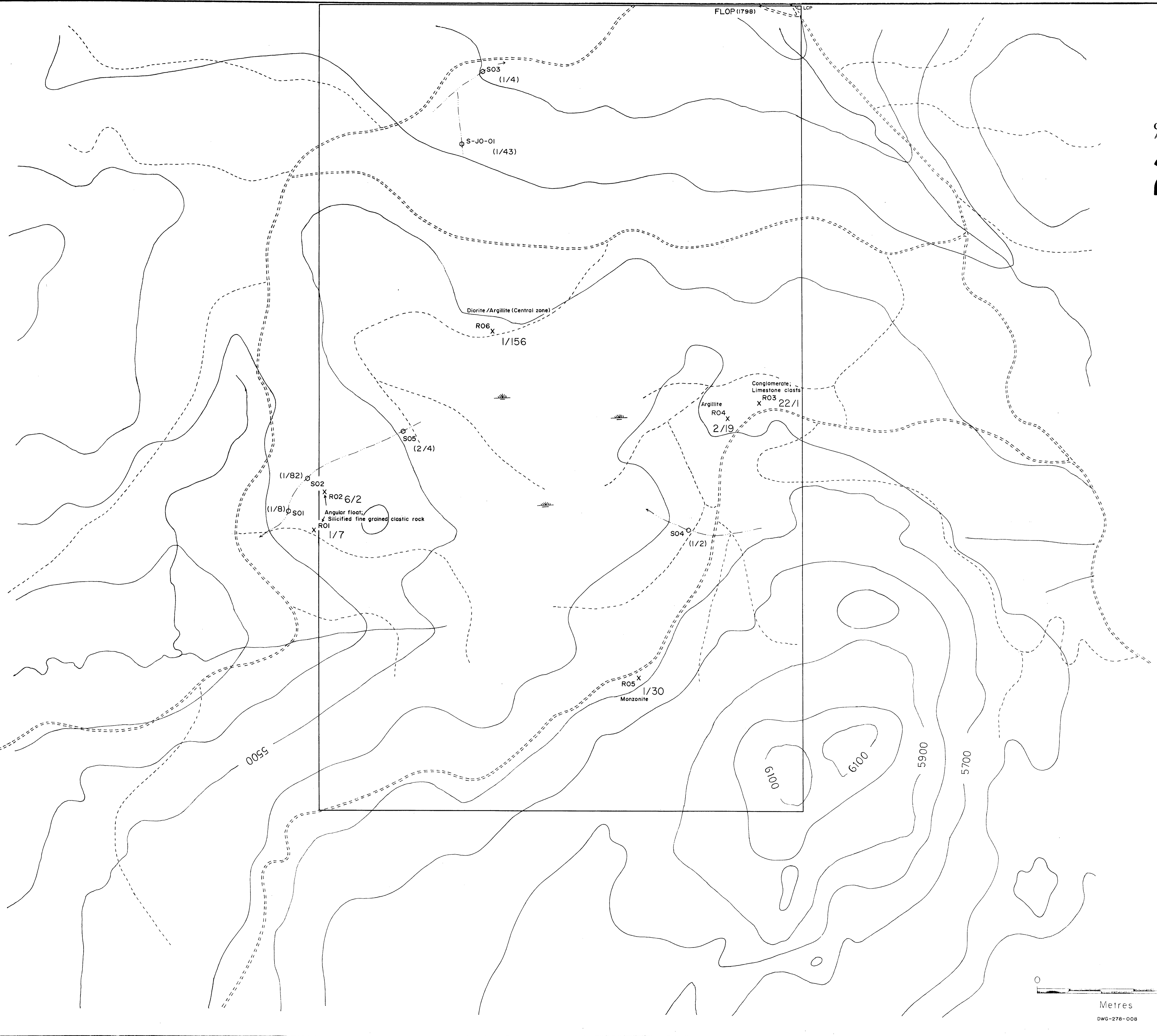


GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,831

LEGEND

- X R04 Rock sample
- Values shown: parts per billion Gold / parts per million Moly.
- 2/19
- S04 Silt sample
- Values shown: ppb Au / ppm Mo
- (1/2)



Metres
DWG-278-008

INCO GOLD	
DISCOVERY Consultants	
CHEVRON MINERALS LTD.	
FLOP PROPERTY ROCK AND SILT SAMPLING	
Date	DEC. 12 / 1990
Project	228
Figure	6
Scale	1 : 5,000
NTS	B2L / 4 W
Mining Division	Nicote