Geological and Geochemical Report

MAD Property

Clinton Mining Division

92 O/1E

Lat. 51°03'N Long. 122°07'W

Owned and Operated by

Utah Mines Ltd.

Tom Pollock, M.Sc.A. Utah Mines Ltd. Vancouver, B.C. August, 1983

GEOLOGICAL BRANCH ASSESSMENT REPORT 1,58

TABLE OF CONTENTS

	PAGE NO.
SUMMARY	1
INTRODUCTION	2
LOCATION AND ACCESS	2
PHYSICAL SETTING	4
CLAIMS	5
WORK PROGRAM 1983	7
REGIONAL GEOLOGY	8
LOCAL GEOLOGY	10
ROCK GEOCHEMISTRY	12
SOIL GEOCHEMISTRY	
GRID SOIL SAMPLING	13 13
CONCLUSIONS	15
REFERENCES	16

•

÷

1.

LIST OF TABLES

PAGE NO.

ŧ.

Table	I:	Pertinant data on the 9 claims comprising the Mad property	5
Table	II:	1983 Exploration program completed on the Mad property	7

LIST OF FIGURES

Figure 1:	Mad Property (location map)	3
Figure 2:	Mad Property (claim map)	6

LIST OF MAPS

Map la,b,c,d:	Geology (incl. rock sample locations)	map pocket
Map 2a,b,c,d:	Rock Geochemistry (Qu, As, Au, Hg)	map pocket
Map 3c,d:	Rock Geochemistry (Ag, Zn, Pb, Sb, Ba)	map pocket
Map 4a, b, c, d:	Soil Sample Location Sites	map pocket
Map 5a,b,c,d:	Soil Geochemistry (Ou with minor Pb)	map pocket
Map 6a,b,c,d:	Soil Geochemistry (As)	map pocket
Map 7a,b,c,d:	Soil Geochemistry (Au with minor Hg)	map pocket

LIST OF APPENDICIES

- Appendix I: Statement of Qualifications
- Appendix II: Statement of Costs

÷

.

Appendix III: Analytical Techniques

SUMMARY

The Mad property consisting of nine claims was staked as a gold prospect in August, 1982. The staking was a result of a regional stream silt sampling survey which outlined the Watson Bar Creek area as being anomalous in copper, arsenic, gold and mercury. А preliminary geological and geochemical exploration program was carried out on the claims during the months of May and June, 1983. Sediments of the Jackass Mountain group underlie the property and are intruded by various small porphyritic and mafic stocks. Gold mineralization occurs in sandstone beds that have been replaced by extreme amounts of silicification, and in massive sulphide veins. The massive sulphide veins occur only in areas of highly broken sandstone where fractures are filled with clay and calcite. This broken and altered rock can also carry several hundred parts per billion gold.

New

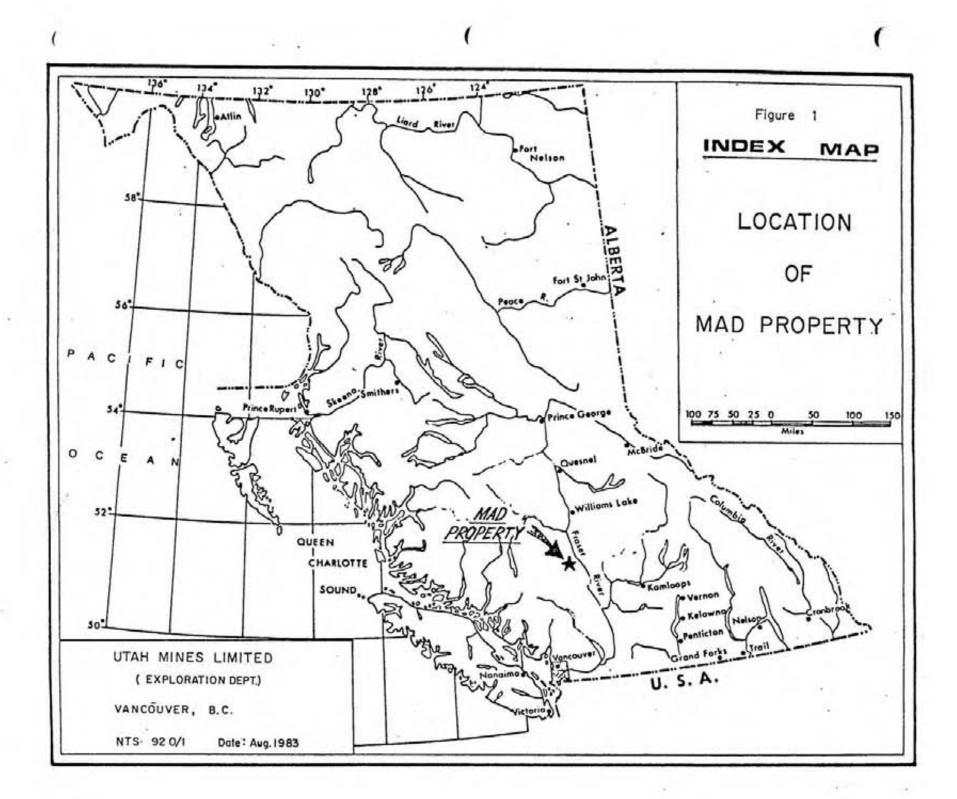
INTRODUCTION

During the months of May and June 1983, field work was carried out on the property which included line cutting, soil and rock sampling and geological mapping. All claims comprising the Mad Property were covered by this exploration program. The field work was undertaken by Tom Pollock, Geologist; Greg Holland, Geologist; and Jeremy Howe, Thom Sedun, Bruce Andrews and Darcy Krohman as Geological Assistants.

LOCATION AND ACCESS

The Mad property is located on Watson Bar Creek, in the Camelsfoot Range, approximately 43 kilometers NNW of Lillooet, B.C. (Figure 1). It lies within the 1:50,000 Yalakom River map sheet, NTS 92 O/1, at a latitude of 51°03'N and longitude of 122°07'W.

Access to within "walking distance" of the property is provided by a two wheel-drive dirt road which leaves the highway seven kilometers north of Lillooet and follows along the west side of the Fraser River to eventually cross Watson Bar Creek.



PHYSICAL SETTING

The Camelsfoot Range is bounded to the east and south by the Fraser River, to the west by the Yalakom River and to the north by the Chilcotin Plateau. Its slopes tend to be steep, and are cut by numerous valleys that are often deeply incised and narrow. Elevations of the range are mainly between 750 and 2000 meters but rise up to 2783 meters at Hogback Mountain.

Vegetation is relatively sparse, particularily on south facing slopes and valley bottoms, due to the "dry belt" climate of the area. Very little of the area rises above treeline which lies near 2000 meters. Sagebrush and bunch grass are characteristic of the lowest open valleys.

CLAIMS

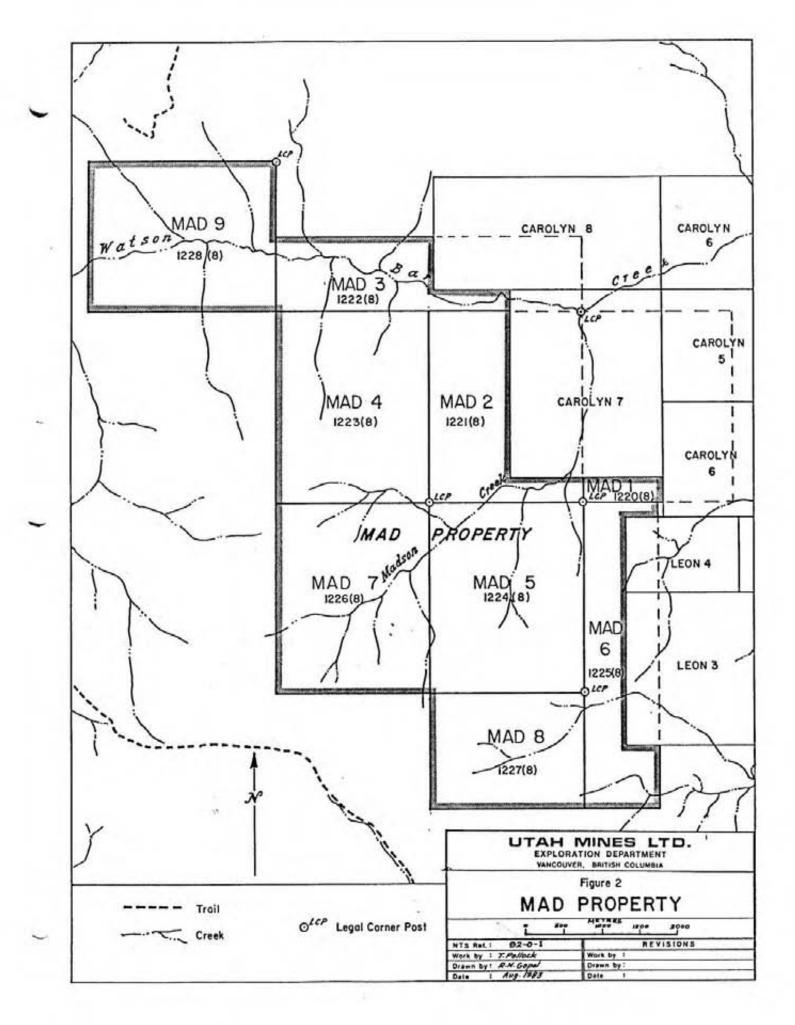
The nine claims (164 units) comprising the Mad property are 100% owned and operated by Utah Mines Ltd. Figure 2 shows the location of the claims with respect to local topographic features while Table I gives their pertinant data.

TABLE I

Pertinant Data on the 9 Claims Comprising the Mad Property

Claim	Name	Record No.	Anniversary Date	Expiry Date
Mad	1	1220(8)	August 12	September 12/83
Mad	2	1221(8)	August 12	September 12/83
Mad	3	1222(8)	August 12	September 12/83
Mad	4	1223(8)	August 12	September 12/83
Mad	5	1224(8)	August 12	September 12/83
Mad	6	1225(8)	August 12	September 12/83
Mad	7	1226(8)	August 12	September 12/83
Mad	8	1227(8)	August 12	September 12/83
Mad	9	1228(8)	August 12	September 12/83

No.



WORK PROGRAM 1983

The work given in the following table gives a brief account of the exploration program completed on the Mad property during the summer.

TABLE II

1983 Exploration Program Completed on the Mad Property

Type of Work	Scale	Line kms.	Area	No. of Samples
Geological Mapping	1:5,000		3,000 hec	
Base Line Cut		2.2		
Cross Lines Flagged		15.0		
Grid Soil Samples		13.4		312
Contour Soil Samples		34		726
Rock Geochemistry				296

ŝ,

764.35

REGIONAL GEOLOGY

The Watson Bar Creek area is situated in a northwest trending trough of Jackass Mountain group sediments which underlie the greater part of the Fraser River Cretaceous belt. Although both marine and non-marine sediments comprise this group, in the vicinity of the Mad Property non-marine sediments prevail. Volcanic arenite, lithic sandstone and conglomerate with minor siltstone and limestone dominate the geology. Intruding these sediments are small quartz diorite, gabbroic and various porphyritic stocks.

The east and west fault bound Jackass Mountain group varies in width from 21 km in the north where it is overlain by Tertiary volcanics of the Chilcotin Plateau to less than 2 km in width, south of Lytton.

To the east, the group is in fault contact with the Cretaceous or Early Tertiary volcanic rocks of the Ward Creek assamblage. This unit is composed dominately of andesite, less dacite and felsitic rocks, and minor tuff, basalt, lithic sandstone and coal. The Yalakom fault forms the western boundary of the group and marks the beginning of the Shulaps Ultramafite complex to the north with the Triassic Bridge River sediments and volcanics to the south.

Although faults are an abundant and characteristic feature of the Jackass Mountain Group, the bedding dips are relatively moderate and folds within the group are inconspicuous. The prevalence of faulting over folding is believed to be due to the relatively great thickness of the sedimentary belt in proportion to its width.

The two northwest faults marking the east and west boundaries of the Jackass Mountain group are splays off the Fraser River fault zone.

Northwest striking faults are common throughout the Lillcoet-Gold Bridge area and often are marked by river valleys between mountain ranges. They appear to be of particular interest as most of the past producing gold mines lie along them.

The past producing Big Slide Mine, which lies on a northwest fault is located 15 kilometers southeast of Watson Bar Creek at the junction of Kelly Creek and the Fraser River. Gold, silver and copper were removed from this small deposit in which two mineralized quartz veins were mined from a diorite stock that intruded shales, cherts and greenstones of the Cache Creek group. To the northwest of Watson Bar Creek, at the head of Stirrup Creek, a gold showing known as the "Astonisher Monty" property is present. At this showing gold is present on dry fractures both within a feldspar porphyry intrusion and in the adjacent altered Jackass Mountain group sediments. Stirrup Creek has also produced approximately \$250,000 worth of placer gold.

LOCAL GEOLOGY

The geology of the Mad property, shown in Maps la,b,c and d, is dominated by sediments of the Cretaceous Jackass Mountain group. A progression from volcanic arenite, stratigraphic downward conglomerate, lithic sandstone through to interbedded sandstone and siltstone is evident on the property. The first three of these lithologies constitutes roughly 75% of the total sediment volume. Limestone and silty beds containing minor carbonaceous debris have these sediments are volumetrically also been noted but insignificant. The sediments generally strike between 80° and 120°, and dip gently to the north. Folding where present is very gentle and normally caused by small intrusive stocks. Stocks, dykes and sills of quartz feldspar and feldspar porphyry, dioritic and gabbroic composition intrude the sediments. Faulting is common throughout the is particularily noticeable through topographic property and expressions. Although faults may be measured as to belonging to one of several well defined direction sets, those at 110° appear to have the greatest regional extent.

Much of the sandstone exposed along the south side of Watson Bar Creek has been loosely referred to as red or weakly gossanous sandstone. This blatant red colouration of the rocks is due to the oxidation of iron in pyrite that is weakly disseminated in the sandstone. The areas of strong gossan marked on the geologic maps are from often intense mineralization occurring in varying forms. Arsenopyrite, chalcopyrite, sphalarite, galena with or without cinnabar and stibnite occur in locally altered sandstone beds. The alteration varies from weak to total replacement of sandstone by carbonate and/or silica with the degree of mineralization present is varying directly with the amount of silica replacement. Appreciable

quantities of gold and silver are commonly associated with this siliceous replacement.

Other strongly gossanous areas exhibit intense veining and brecciation by quartz and calcite. These areas are often highly anomalous in arsenic, mercury and antimony but rarely contain anomalous gold. A final source of gossans are from narrow sulphide veins carrying arsenopyrite, chalcopyrite, cinnibar and varying amounts of gold.

The areas of clay alteration outlined on the geologic maps consist of clay and calcite fracture-fillings in sandstone and siltstone. The degree of fracturing and alteration, varies from negligable to extreme and only occurs in non-gossanous rock. Gold values associated with this alteration varies from less than 10 to several hundred parts per billion. Massive sulphide veins which on occasion are accompanied by varying amounts of quartz, and sulphide rich calcite veins may also be present in these altered and fractured zones. The massive sulphide veins consist of pyrite, arsenopyrite, chalcopyrite, sphalerite, galena and pyrrhotite, and carry appreciable quantities of gold and silver. The calcite veins are usually restricted to pyrite, chalcopyrite and arsenopyrite mineralization and are only weakly anomalous in gold.

ROCK GEOCHEMISTRY

The analytical results from the rock samples on the geologic maps are shown in Maps 2 and 3. All samples were analysed by Chemex Labs in North Vancouver for copper, arsenic, gold and mercury, and on occasion for one or more of lead, zinc, silver, antimony and barite. Included with the rock geochemistry are a minor number of stream silt and soil samples.

SOIL GEOCHEMISTRY

Soil samples were collected using two means of sample site location. The first method involved taking samples on previously established grid lines spaced 200 meters apart. Samples were taken at 25 or 50 meter spacings depending on the desired sample concentration. To sample the north half of the property where steep topographic gradients exist, contour soil sampling was necessary due to the difficulty in establishing grid lines. Sample lines were spaced at 100 meter contour intervals with samples taken at similar distances to those used on the grid lines. Soil samples collected on the Mad property are shown in Maps 4a,b,c and d. Samples were collected in kraft paper bags from the 'B' horizon, or if not present, from talus fines and sent to Chemex Labs in North Vancouver. A brief description of the analytical techniques used in the analyses is given in Appendix III.

Soil samples were analysed for copper, arsenic, gold, and locally for lead and mercury. The results for these elements are ' shown on Maps 5, 6 and 7.

GRID SOIL SAMPLING

Samples collected over the grid analysed for copper, arsenic and gold, returned discouraging results. No significant anomalies were discovered except for one sample that was anomalous in gold taken near the north corner of the grid. The overall lack of anomalous results is believed to be due, at least in part, from the presence of thick overburden in the area produced from the downslope movement of non-mineralized volcanic arenite debris.

CONTOUR SOIL SAMPLING

This form of soil sampling was concentrated in two separate areas on the Mad property. One of the areas occurs largely within the Mad 5 claim (Map 4a) where soil samples were collected and analysed for copper, arsenic, gold and mercury. A number of locallized weak gold anomalies exist along the two creeks where values range from 10 to 40 ppb. The source of these anomalies is unknown at present and therefore will require follow-up exploration. The three other elements analysed in the soil samples returned no anomalous values.

The second area sampled was along the south side of Watson Bar Creek continuing up the lower Stirrup Creek valley. Anomalous values in copper, arsenic and gold are concentrated in a general 110° direction following in close proximity to the 1000 and 1100 meter contour intervals in the southeast and to the 1100 and 1200 meter contour intervals to the northwest.

The anomalies around the northeast corner of the Mad 4 claim are due to the locallized replacement of sandstone beds by silica and minor carbonate. Associated with this alteration is gold mineralization often accompanied by arsenopyrite, chalcopyrite and lesser galena. The presence and amount of mineralization generally varies directly with amount of siliceous replacement. Other anomalies are due to narrow sulphide veins carrying arsenopyrite, chalcopyrite and occasionally minor amounts of gold, found in the weakly gossanous sandstone.

Although a number of anomalies have been investigated many other anomalous areas of yet unexplained source remain to be investigated but this may be difficult due to the large percentage of overburden in the area. In addition, due to the often locallized and concentrated nature of the mineralization with respect to the large volumes of unmineralized rock, soil anomalies that occur are often diluted by downslope movement of non-mineralized debris.

14

CONCLUSIONS

Significant soil anomalies in copper, arsenic and locally gold exist along the south side of Watson Bar Creek striking in a general 110° direction. A major fault striking in the same direction is believed to be connected with the source of the soil anomalies. This fault is marked by hydrothermal breccias and the presence of gossanous rock as one progresses northward towards Watson Bar Creek. and precious metal mineralization occurs in siliceous Base replacements, massive sulphide veins, and in clay and calcite fracture-fillings. This mineralization is reflected by the highest of the soil anomalies particularily where it outcrops. A large amount of dilution may occur in the areas of anomalous soils from the downward movement of overlying great thicknesses (100 - 300m) of non-mineralized rock. In addition, soil anomalies tend to be diluted by enclosing larger amounts of the less mineralized host rocks.

-

REFERENCES

- Duffell, S., and McTaggart, K.C., 1952, Ashcroft Map-Area, British Columbia, Geological Survey of Canada, Memoir 262, 122p.
- Jeletzky, J.A., and Tipper, H.W., 1968, Upper Jurassic and Cretaceous Rocks of Taseko Lakes Map-Area and their bearing on the geological history of southwestern British Columbia, Geological Survey of Canada, Paper 67-54, 218p.
- Trettin, H.P., 1961, Geology of the Fraser River valley between Lillooet and Big Bar Creek, B.C. Department of Mines and Petroleum Resources, Bill No. 44, 109 p.

÷.

No.

APPENDIX A

STATEMENT OF QUALIFICATIONS

Ň

.

The sta

STATEMENT OF QUALIFICATIONS

The field work for this report was done by the following person whose qualifications are outlined below:

T. Pollock, Geologist for Utah Mines Ltd., Vancouver, British Columbia. Completed Hon. B.Sc. (geology) at Queen's University, Kingston, Ontario in 1977; completed M.Sc.A. at McGill University, Montreal, Quebec in 1980; employed by the Ontario Geological Survey as an assistant geologist during the 1974 and 1975 summer field seasons; employed by Inco Limited as a field geologist for the 1976, 1977 and 1978 summer field seasons; employed by the Geological Survey of Canada as a geologist, December 1977 to April 1978; employed by Kelvin Energy Ltd. during the 1979 field season as a field geologist; employed by Utah Mines Ltd. from May 1980 to date as a geologist under the supervision of John Deighton.

ñ

Tom Pollock

APPENDIX II

STATEMENT OF MAJOR COSTS

STATEMENT OF MAJOR COSTS

Chemex Labs Ltd.	\$ 15,917.95	\$ 15,917.95
Salaries - T. Pollock 56 days @ \$138./day	7,728.00	
J. Deighton 5 days @ \$160./day	800.00	
J. Howe 12 days @ \$120./day	1,440.00	
T. Sedun 50 days @ \$67./day	3,350.00	
B. Andrews 50 days @ \$65./day	3,250.00	
D. Krohman 50 days @ \$65./day	3,250.00	
	19,818.00	35,735.95
Redhawk Rentals	3,988.00	39,723.95
Airspan Helicopters	3,589.09	43,313.04
Field Expenses - T. Pollock	1,152.73	
T. Sedun	962.51	
D. Krohman	813.97	
B. Andrews	758,80	
J. Howe	383.20	
	4,071.21	47,384.25
Pacific Survey	3,500.00	50,884.25
G & H (food)	2,913.54	53,797.79
Westquip Diesel Sales	1,101.49	54,899.28
Imperial Oil	644.85	55, 544.13
Chevron	243.79	55,787.92
Shell	105.35	55,893.27
Arrow Tent & Awning	348.37	56.241.64
B.C. Tel	217.52	56,459.16
Deakin Equipment	362.78	56,821.94
Vancal	232.31	57,054.25

Therefore the total value of expenditures towards the Mad • property in 1983 was at least \$57,054.25.

APPENDIX III

ANALYTICAL TECHNIQUES

Weight -

ANALYTICAL TECHNIQUES

All geochemical analysis were performed by Chemex Labs Ltd. in North Vancouver. Silt and soil samples were dryed at 80°C for a period of 12 to 24 hours then seived to the -80 mesh fraction. Rock samples were crushed, dried and pulverized to the -100 mesh.

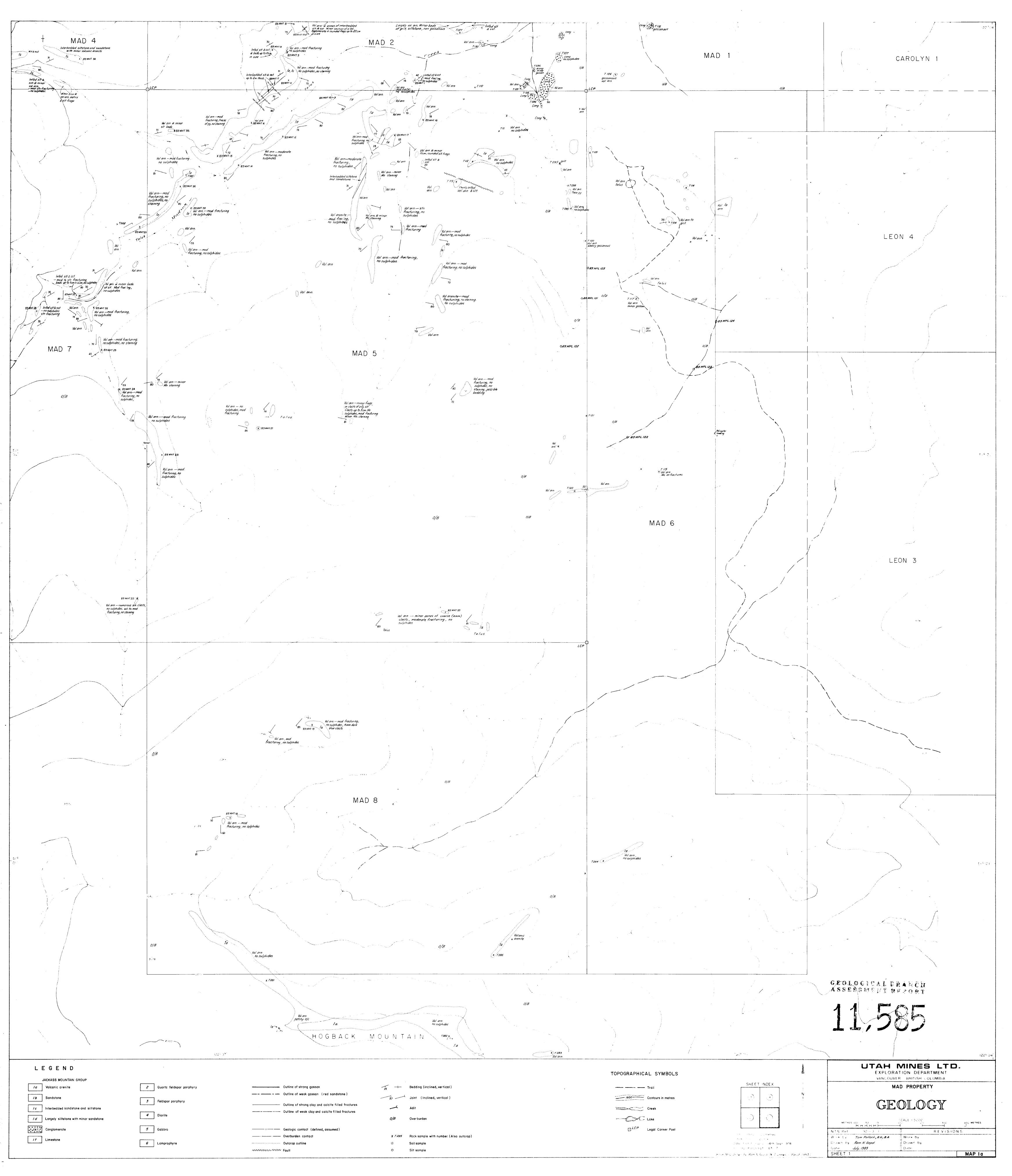
In analysing for copper, lead, zinc and silver the sample is digested using hot 70% $HClO_4$ and concentrated HNO_3 . After the sample volume is adjusted using demineralized water the solutions are homogenized and allowed to settle before being analysed by atomic absorption procedures.

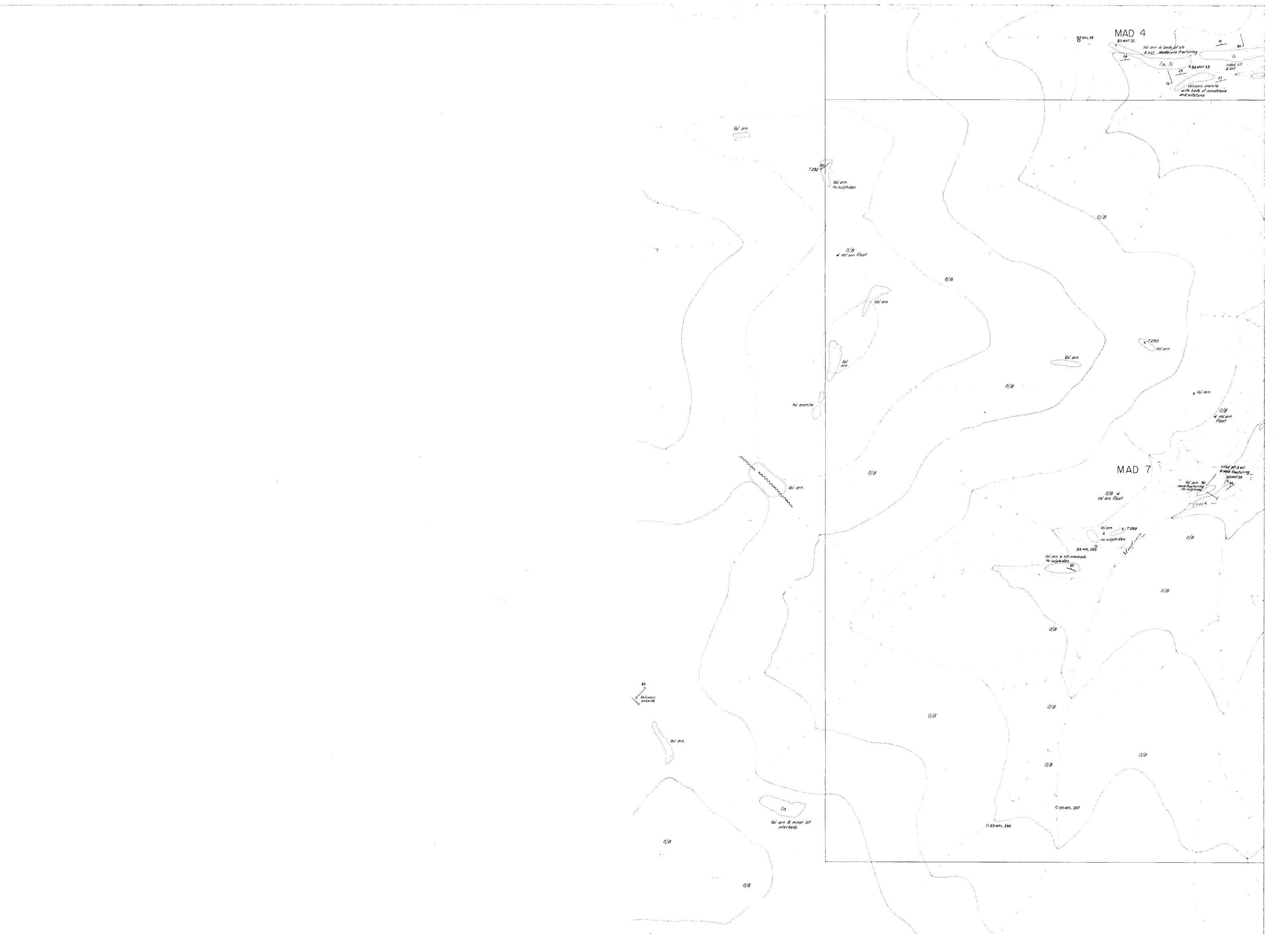
Gold was analysed by ashing 5 gm. samples at 800°C for one hour, digesting with aqua regia - twice to dryness - then by taking the sample up in 25% HCl. The gold was then extracted as the bromide complex into MIBK and analysed using atomic absorption.

In antimony analysis samples were digested with concentrated HCl followed by the reduction of the iron to the Fe^{t2} state and the complexing of Sb with I-. The complex is extracted with TOPO - MIEK and analysed using atomic absorption.

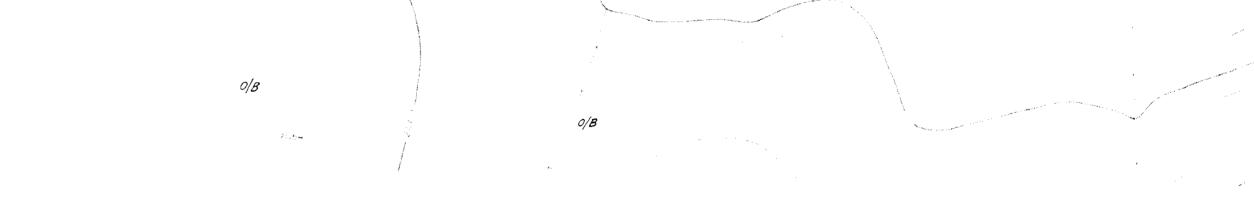
Mercury was analysed using the Hatt - Ott procedure and a closed cell atomic absorption determination.

Arsenic was analysed by taking an aliquot of the nitric degestion and acidifying, followed by reduction with Kl. A portion of the reduced solution is converted to arsine with NaBH₄ and the arsenic content is determined by atomic absorption.





4 × 2 - 54



•

الدواقي .

GEOLOGICAL BRANCH ASSESSMENT DEPORT



£ + ¹⁵

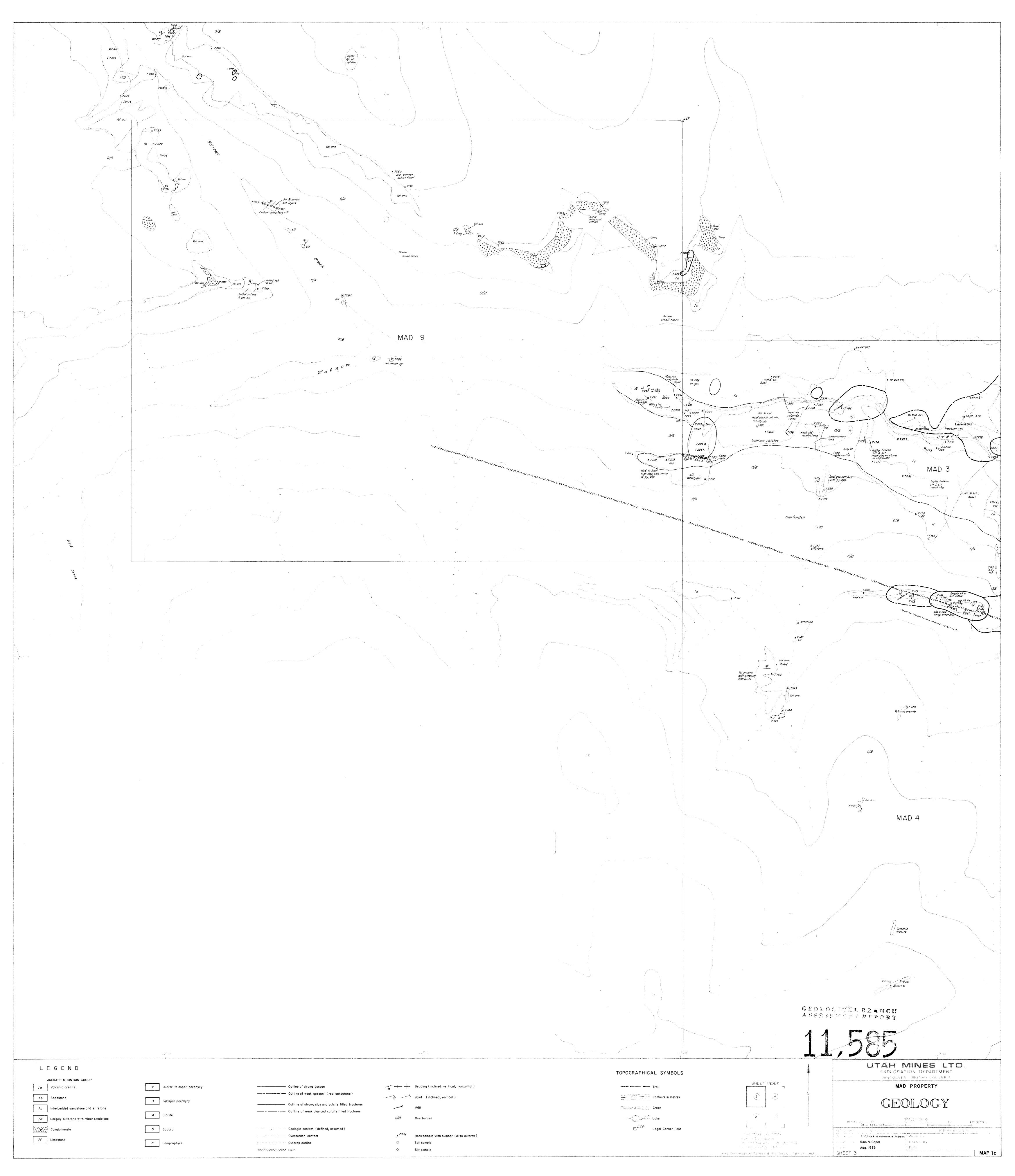
12200 UTAH MINES LTD. LEGEND EXPLORATION DEPARTMENT TOPOGRAPHICAL SYMBOLS VANCOUVER, BRITISH COLUMBIA JACKASS MOUNTAIN GROUP SHEET INDEX 2 Quartz feldspar porphyry MAD PROPERTY 1a Volcanic arenite ----- Outline of strong gossan Trail $\bigcirc \qquad \bigcirc$ ------ Outline of weak gossan (red sandstone) _____ 1800 ____ Contours in metres Joint (inclined, vertical) /b Sandstone 3 Feldspar porphyry GEOLOGY ------ Outline of strong clay and calcite filled fractures /c Interbedded sandstone and siltstone Creek \checkmark Adit ----- Outline of weak clay and calcite filled fractures 4 Diorite - Coke $\langle \cdot \rangle$
 SCALE I 5000

 METRES ICO SC 0
 ICO 200 SOP 400 METRES

 ELEPTINE HETERING
 IDENTICIONO

 NTS Ref 1
 90 - 0 - 0
 \sum *Id* Largely siltstone with minor sandstone 0/B Overburden 5 Gabbro Conglomerate abranization and an and a Geologic contact (defined, assumed) وريد المراجع ورجيه موادي ومن x 7289 Rock sample with number. (Also outcrop) Work by T.Pollock, GHolland, B.Andrews Work by /f Limestone ----- Overburden contact Cathe expense ()-6 Lamprophyre Drawn by : Date Drawn by Rom N. Gopal Soil sample ----- Outcrop outline Date Aug 1983 A proposition of Normal Systems Silt sample Man Fault 0 SHEET 2 MAP 1b The Mar Hawa by Clarens & Ethis part 18421 1963 -

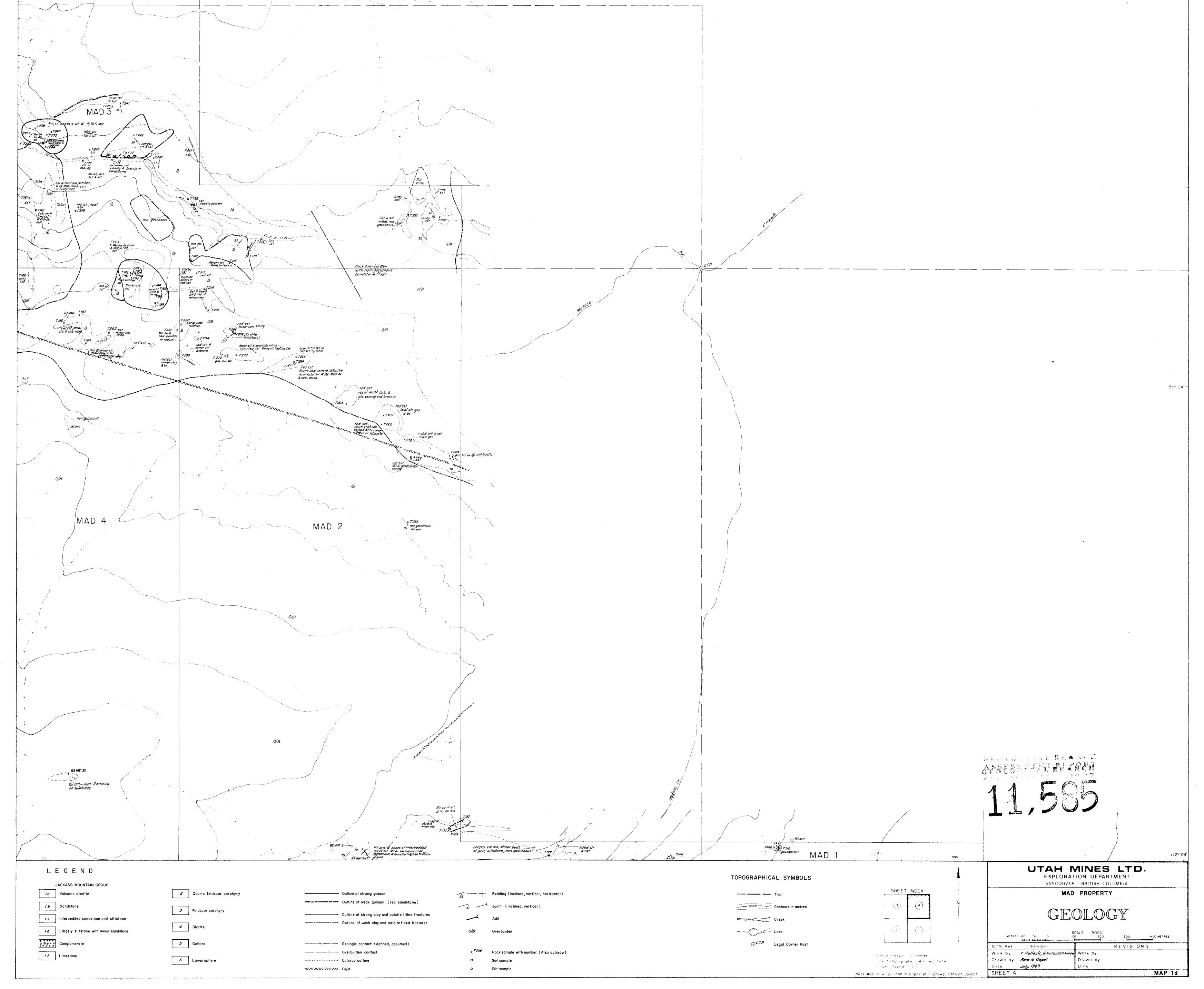
1. ¹ 1.



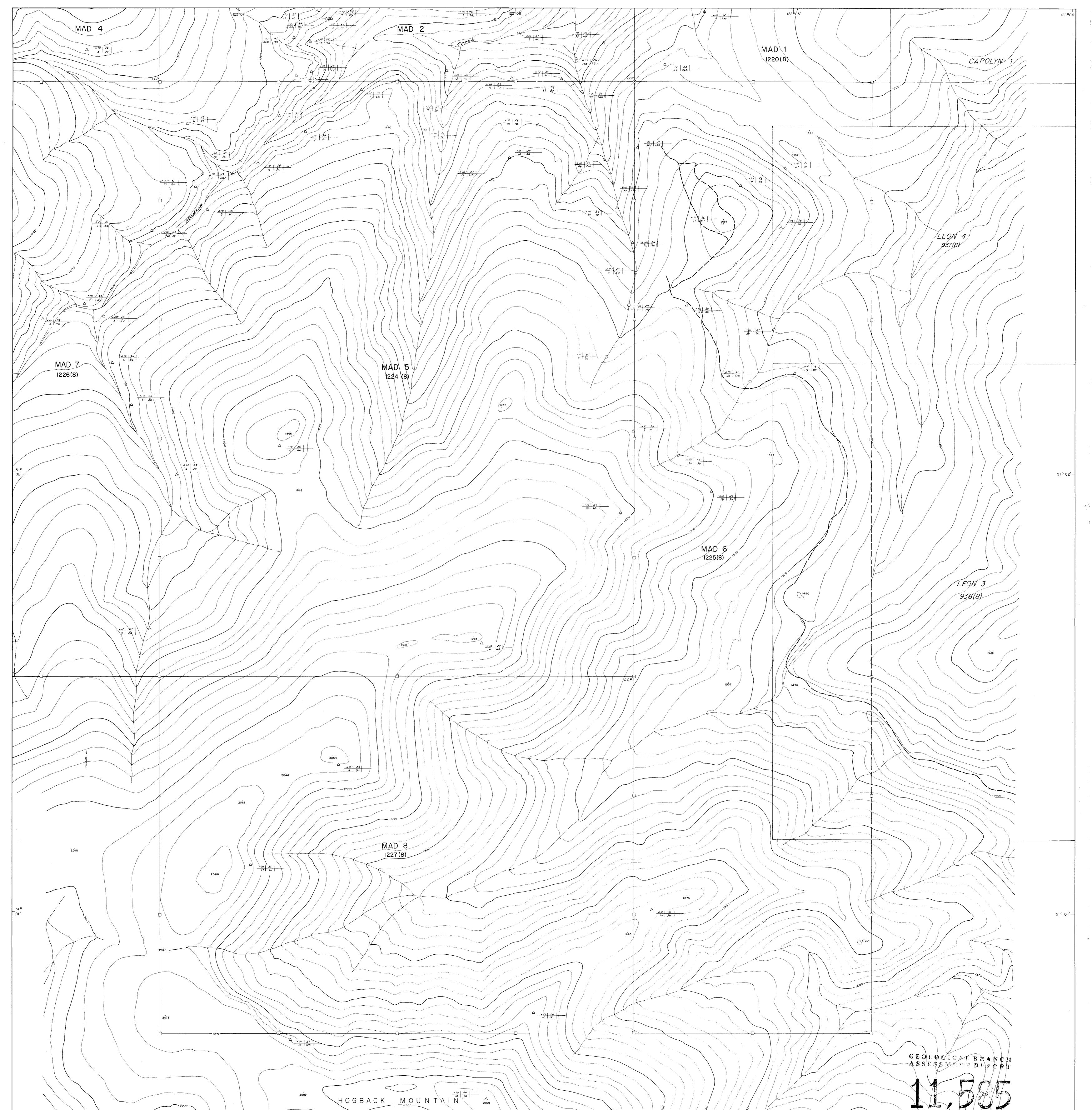
(z, 2)	(<u></u> 2 ∩6'	



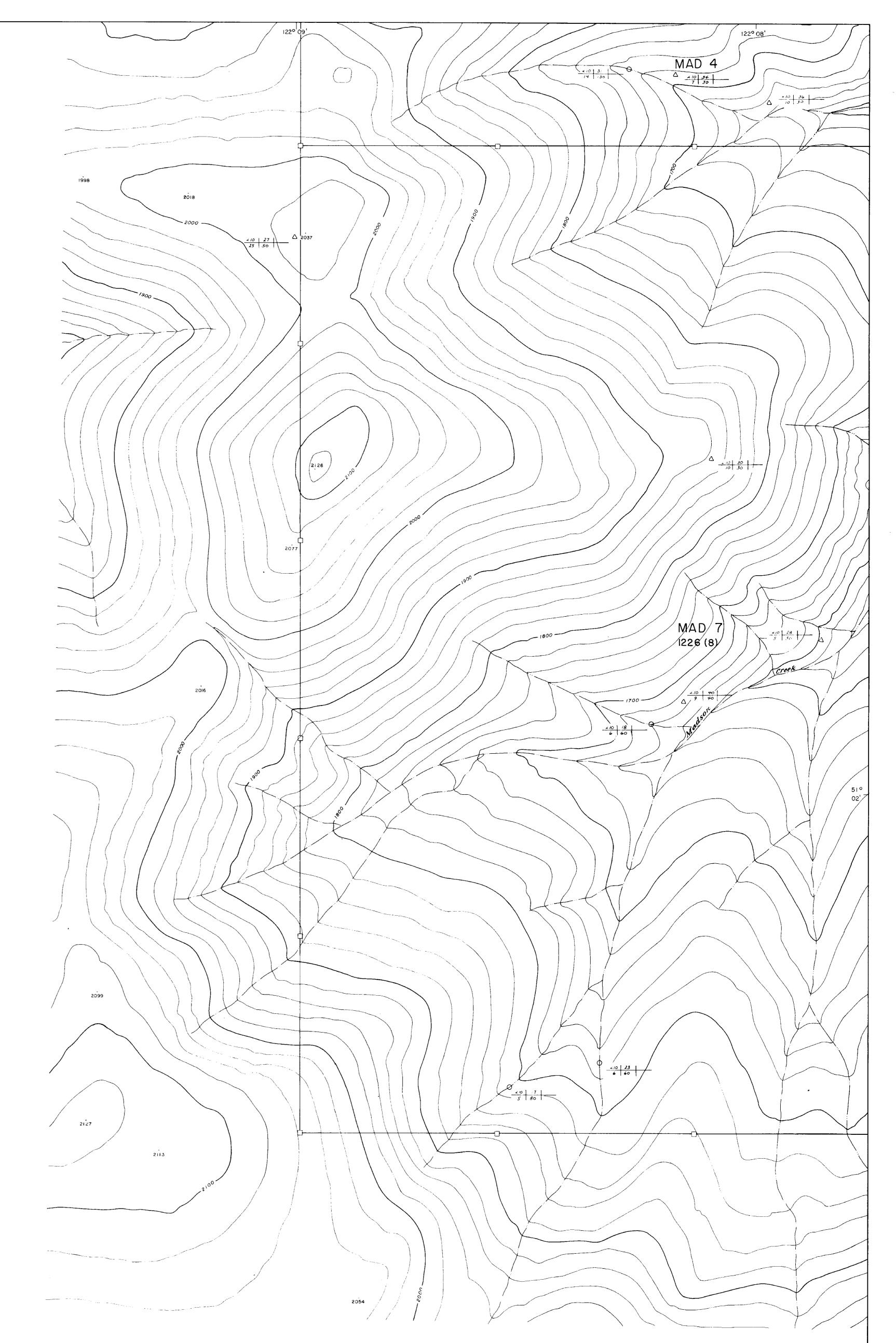
5, 3 S



.



			UTAH MINES LTD. EXPLORATION DEPARTMENT
△ Rock Sample	Trail	SHEET INDEX	VANCOUVER, BRITISH COLUMBIA MAD, PROPERTY
O Silt Sample	Contours (m)	(3) (4) N	GEOCHEMISTRY - ROCK, SILT & SC
Au(ppb) Cu(ppm) As(ppm) Hg(ppb)	Lake Legal Corner Post		Au, Cu, As, & Hg
	Corner or Identification Post	Contour interval . 20 metres	NTS Ref. : .92-0-1 REVISIONS Work by : GH, TR & BA. Work by :



122° 10'

- 51°02'

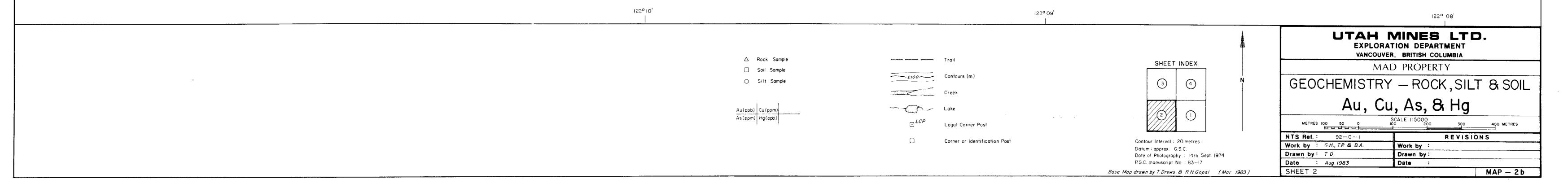
. 1

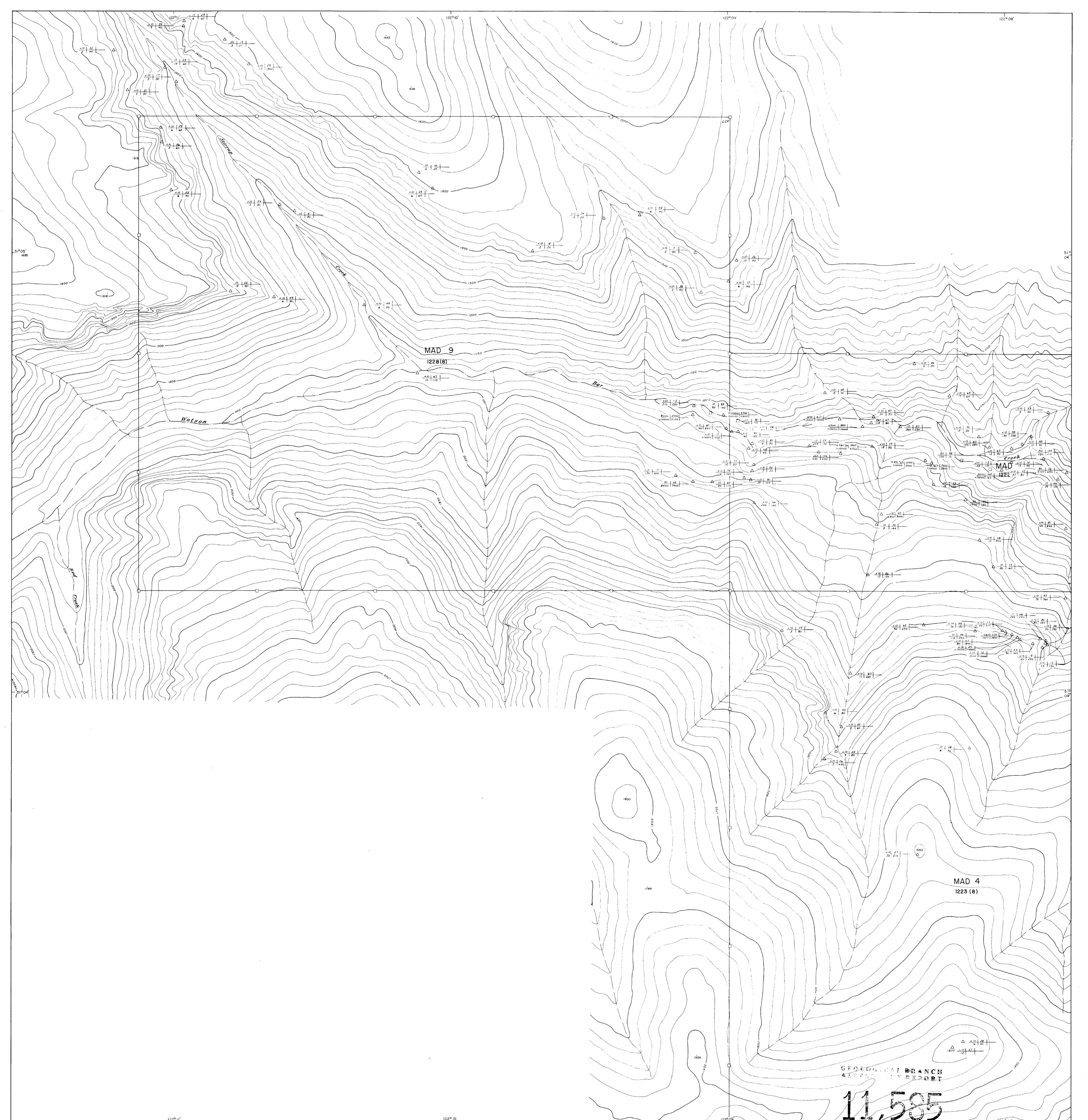
.

·

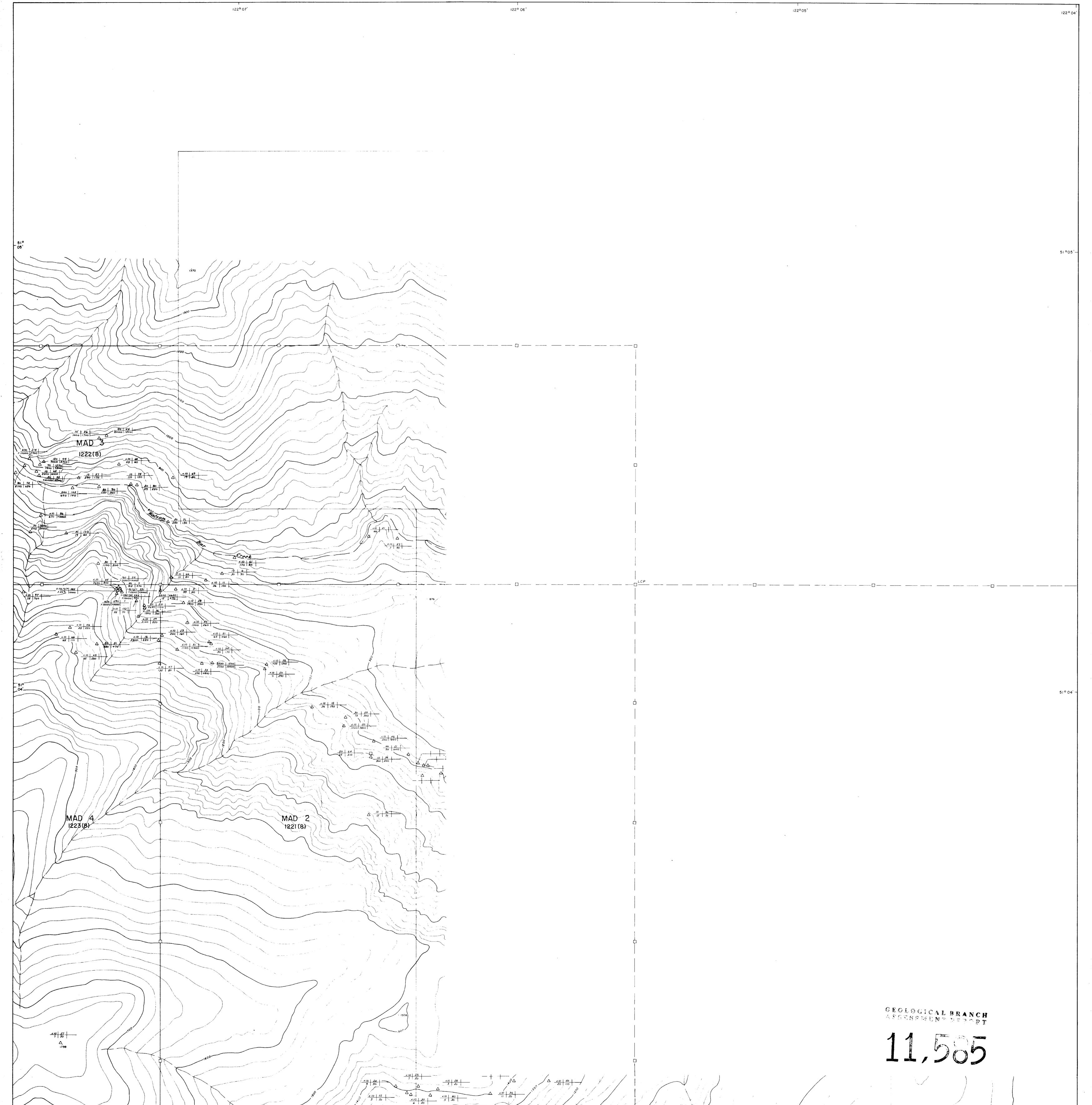
--- 51° 01

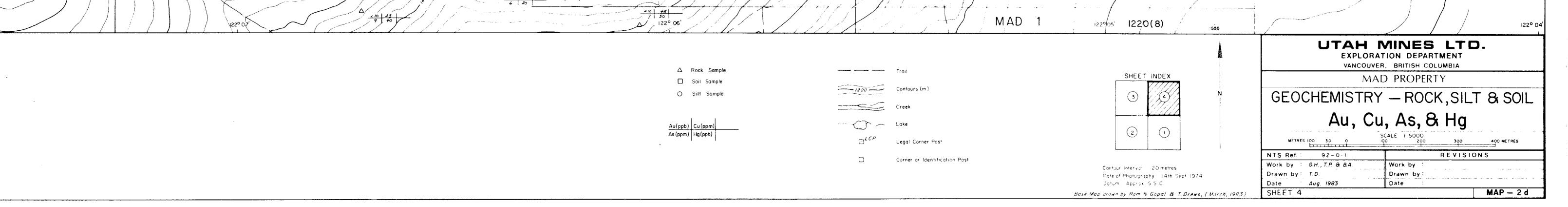
GEOLOGICAL BRANCH ASSESSMENT REPORT 11,5055 51°_ 01'



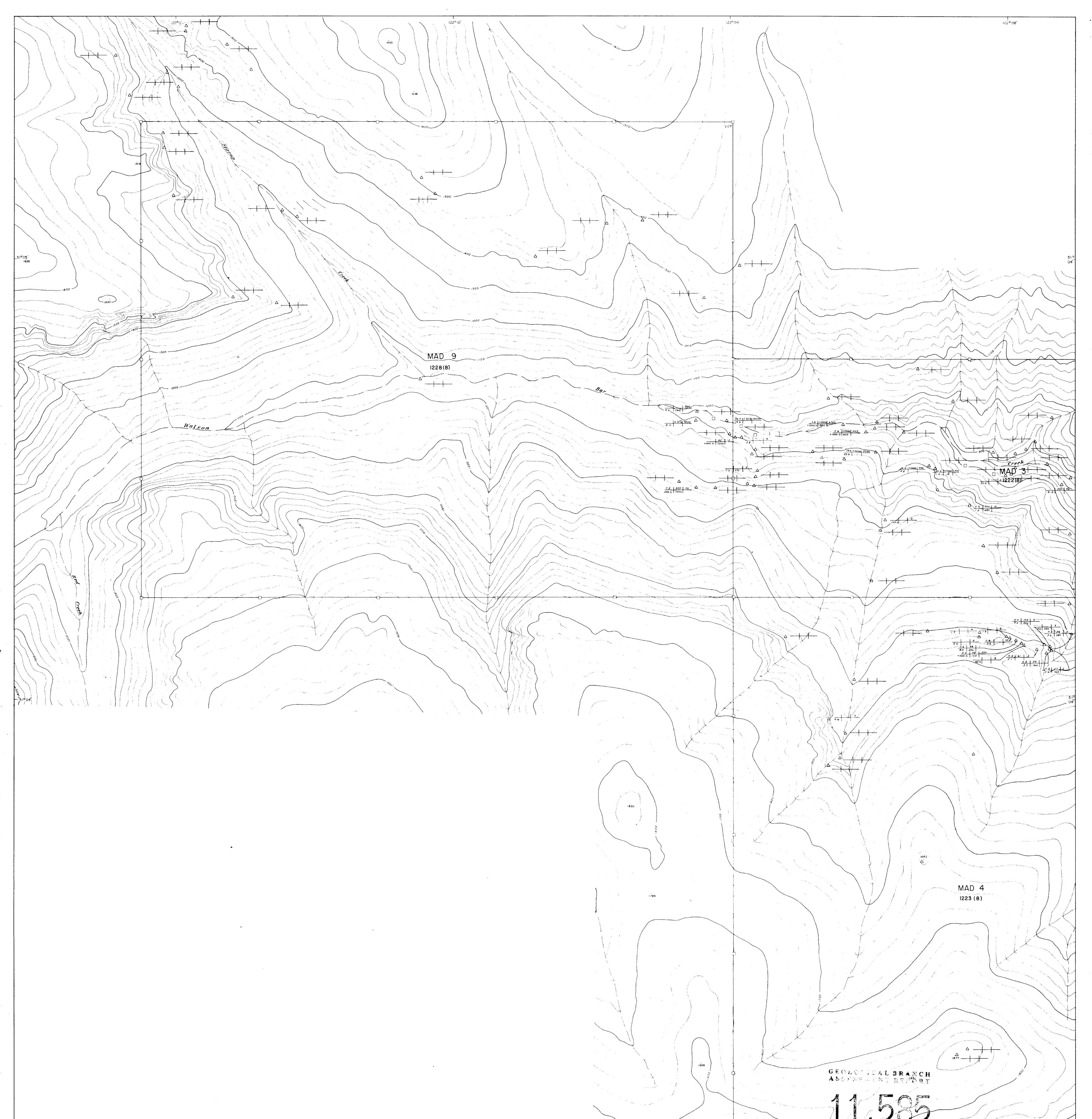


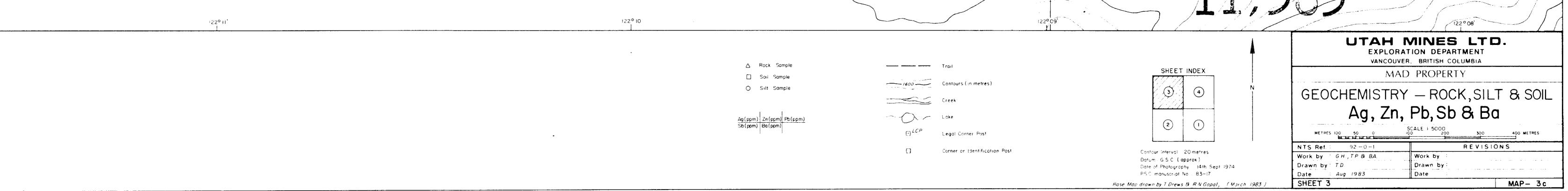
۱۵۵۵ ا ۱	122° 10	122°09'		122°08'	
	∆ Rock Sample	Trail		UTAH MINES LT EXPLORATION DEPARTMENT VANCOUVER, BRITISH COLUMBIA	Э.
	Soil Sample		SHEET INDEX	MAD PROPERTY	
	O Silt Sample	Contours (in metres)	3 4 N	GEOCHEMISTRY - ROCK, SIL	T & SOII
		Creek			
	Au(ppb) Cu(ppm) As(ppm) Hg(ppb)	Lake	2 1	Au, Cu, As, & Hg	
	As(ppm) Hg(ppb)	• Legal Corner Post		SCALE 1:5000 METRES 100 50 0 100 200 300	400 METRES
		Corner or Identification Post	Contour Interval : 20 metres	NTS Ref.: 92-0-1 REVISI	ONS
			Datum÷G.S.C. (approx.) Date of Photography – 14th Sept. 1974	Drawn by: TD Drawn by:	
			RS.C. manuscript No. : 83-17	Date : Aug 1983 Date :	
			Base Map drawn by T.Drews & R.N.Gopal, (March 1983)	SHEET 3	MAP-2c





 \frown



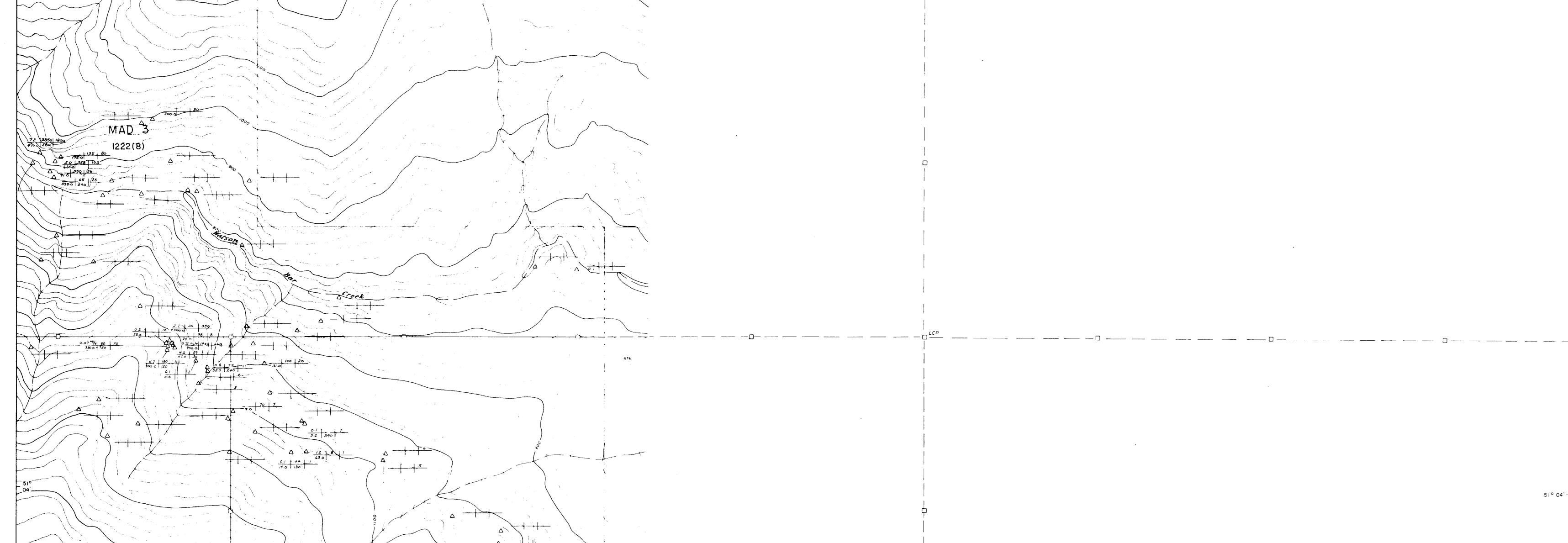


.

1 122°05

51° 05'--

122°04





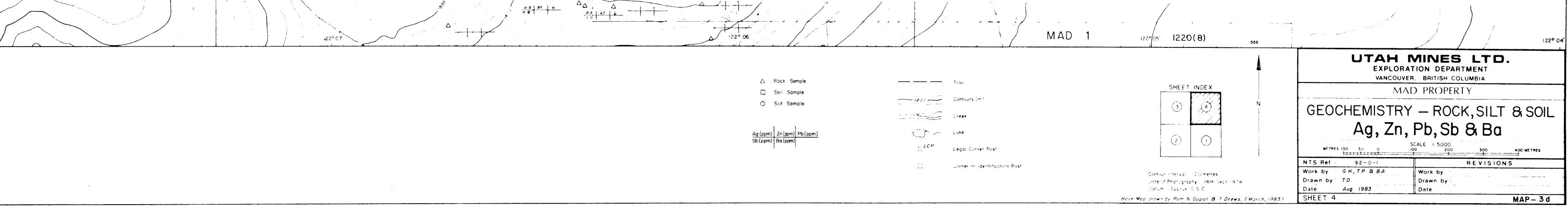
GEOLOGICAI SEANCH Assessent neccort

MAD 4 MAD 2 1221(8) MAD 2 1221(8) MAD 2 1221(8) MAD 2 1221(8) MAD 4 1221(8) 1

122° 07'

•

1759



03 88 7

,

•



.

B3 M55 523 B3 M55 512 B3 M55 51 B3 M

B3MA5576 B3MA5576 B3MA5575 B3MA5575 B3MA5575 B3MA5580

1133 ST 3



.

د اي التوريد المعادين دري معادي

. २७ ३४२ . च्या १४४ . च्या २

×.

129 Same - 20

Contact Claratery of the second states

nakangkantaka (kalifatasa Antana - ukaka kalifatasa 🥙 🛀 -

an and the state of the state o

GEGLOGICAL BRANCH ASSNEDMENT PERSONT



1

We was

.

his strange war war in the

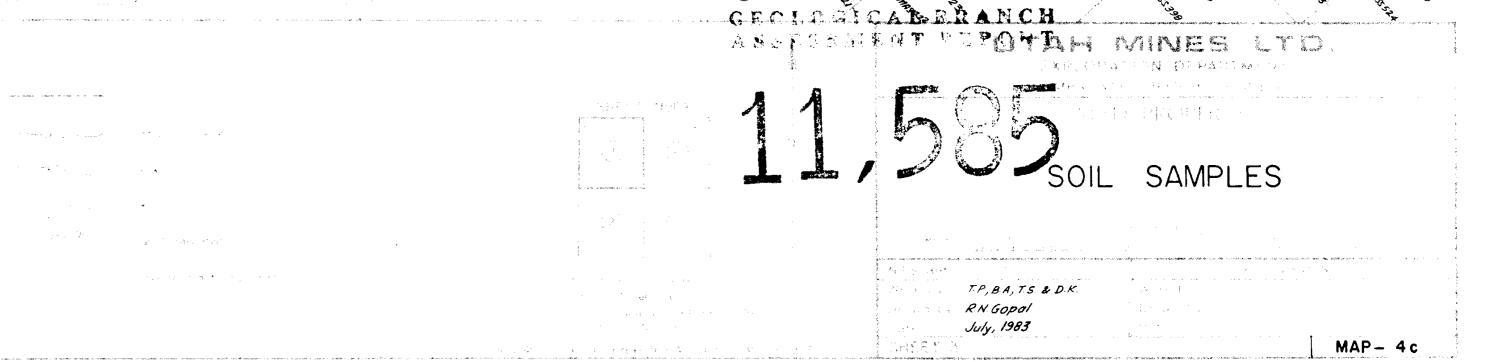
an an thai the same and the same

n an anteres Strain anteres Al march anteres anteres

forma approximate

EXPLORATION DEPARTMENT VANCOUVER BRITISH COLUMBIA NECTO PREMIERTS ار. با با به وارد این برای میشود این از این این این این این در محمد بود بود ورد در میشود به مشاهد این این این این SOIL SAMPLES NTS Ref Work by T.P., B.A., T.S. & D.K. Work by R.N.G. Drawn by R.N.G. Dato Aug. 1983 Date CHEET 2 MAP-4b





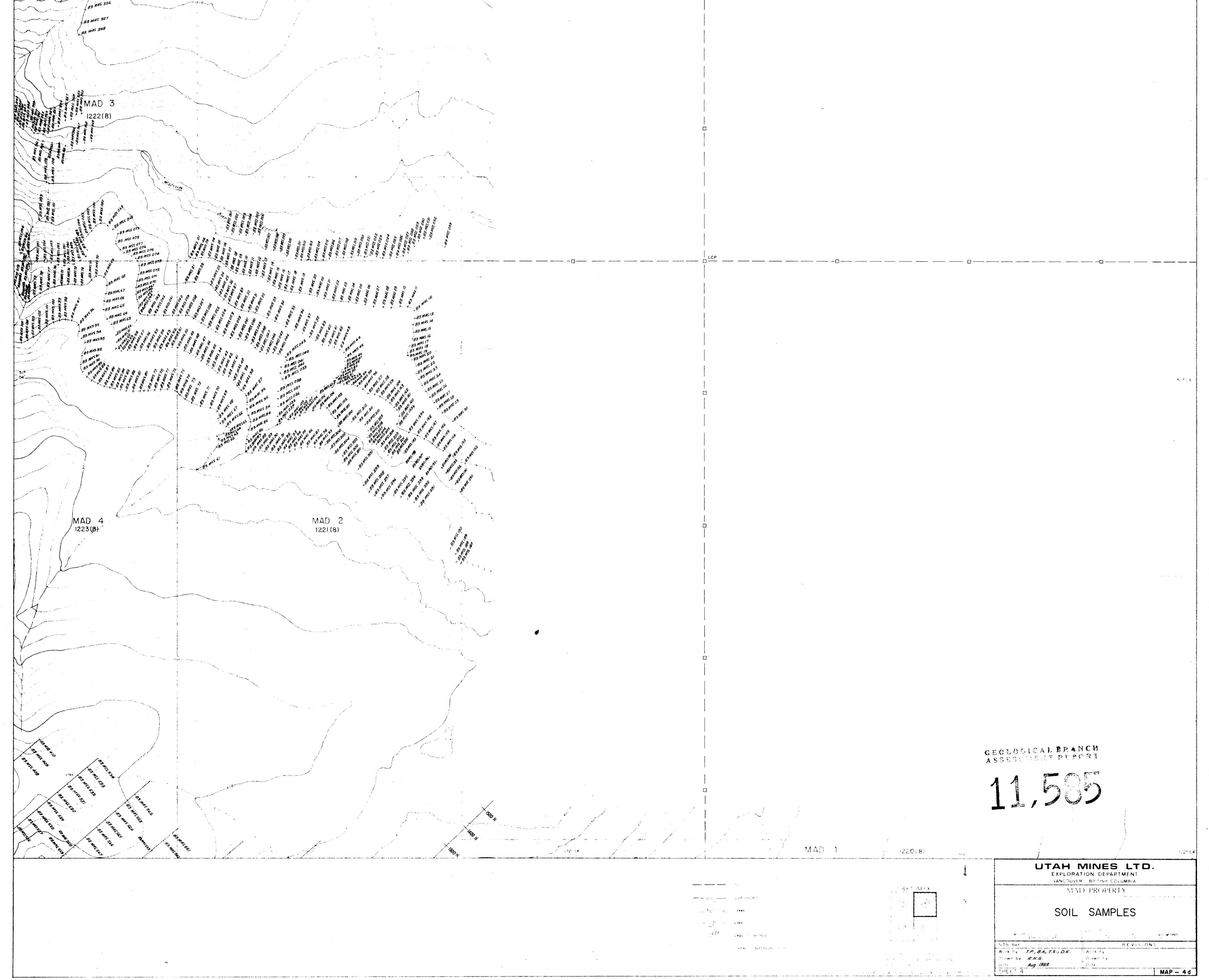
۲		
1220 07	122° 06'	
·		
-		

•

.

----5

13.22 • • · • -•



234 04

- · · · · · · ·

5:10:5 ·



and a second state of a second state of a second state of the seco		n an				
· · · · · · · · · · · · · · · · · · ·	EXPLORATION DEPARTMENT CANCERD R. DAMINES					
- -						
X	SOIL GEOCHEMISTRY	≪ pr., orrouties ≈ s. *				
	COPPER (ppm)	 A service of the servic				
	A Statistical Statisticae S	, 5, 7, 8000 P 400 or				
	3. 1. 3. T.P., BA.,T.S. & D.K.					
	the second	1				
	Aug. 1983					
: ·	MAP –	5 a				

tan ^ar an Y an an an an an an

n an a Median any ang tao ang t

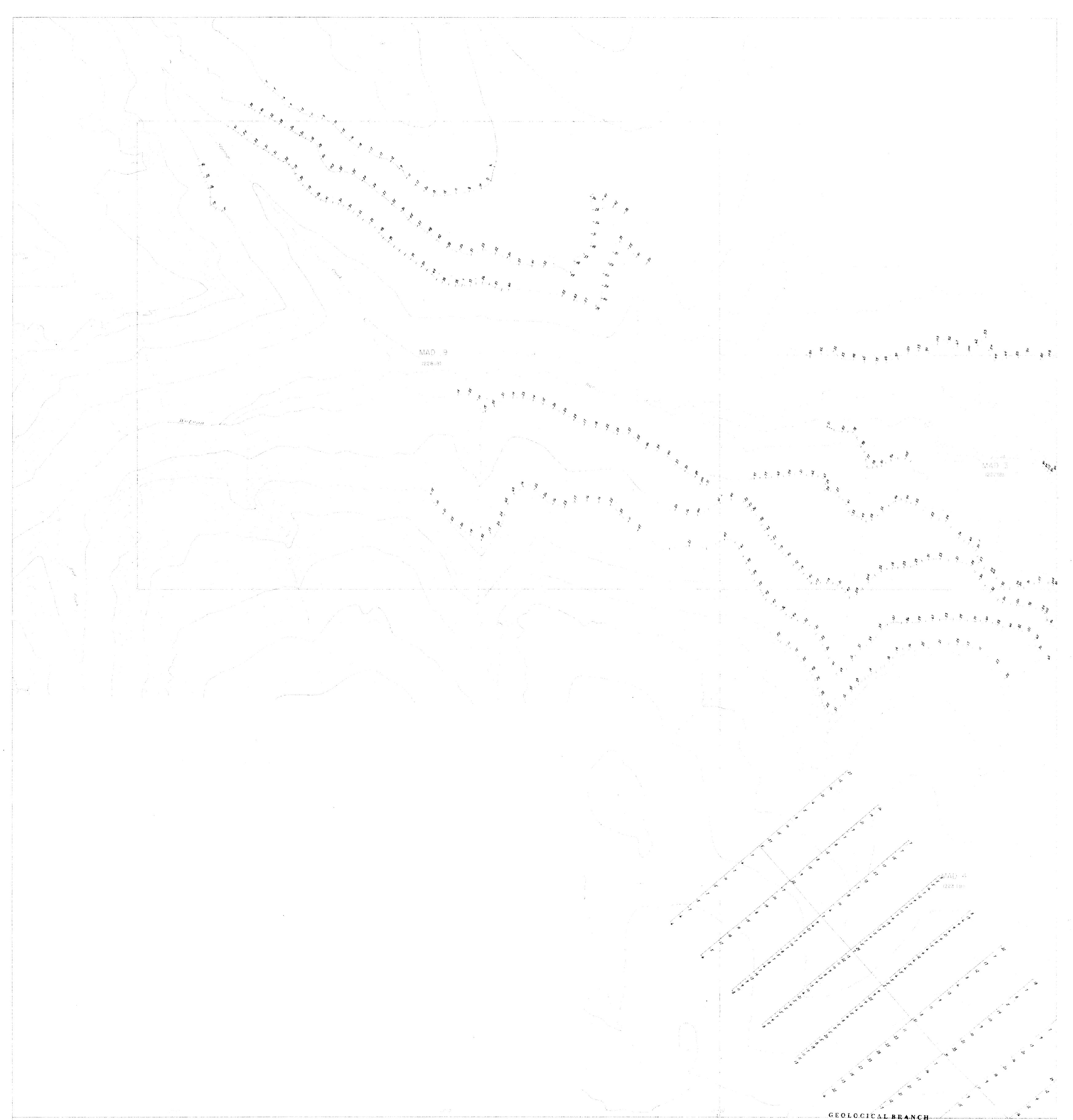
ł.

-

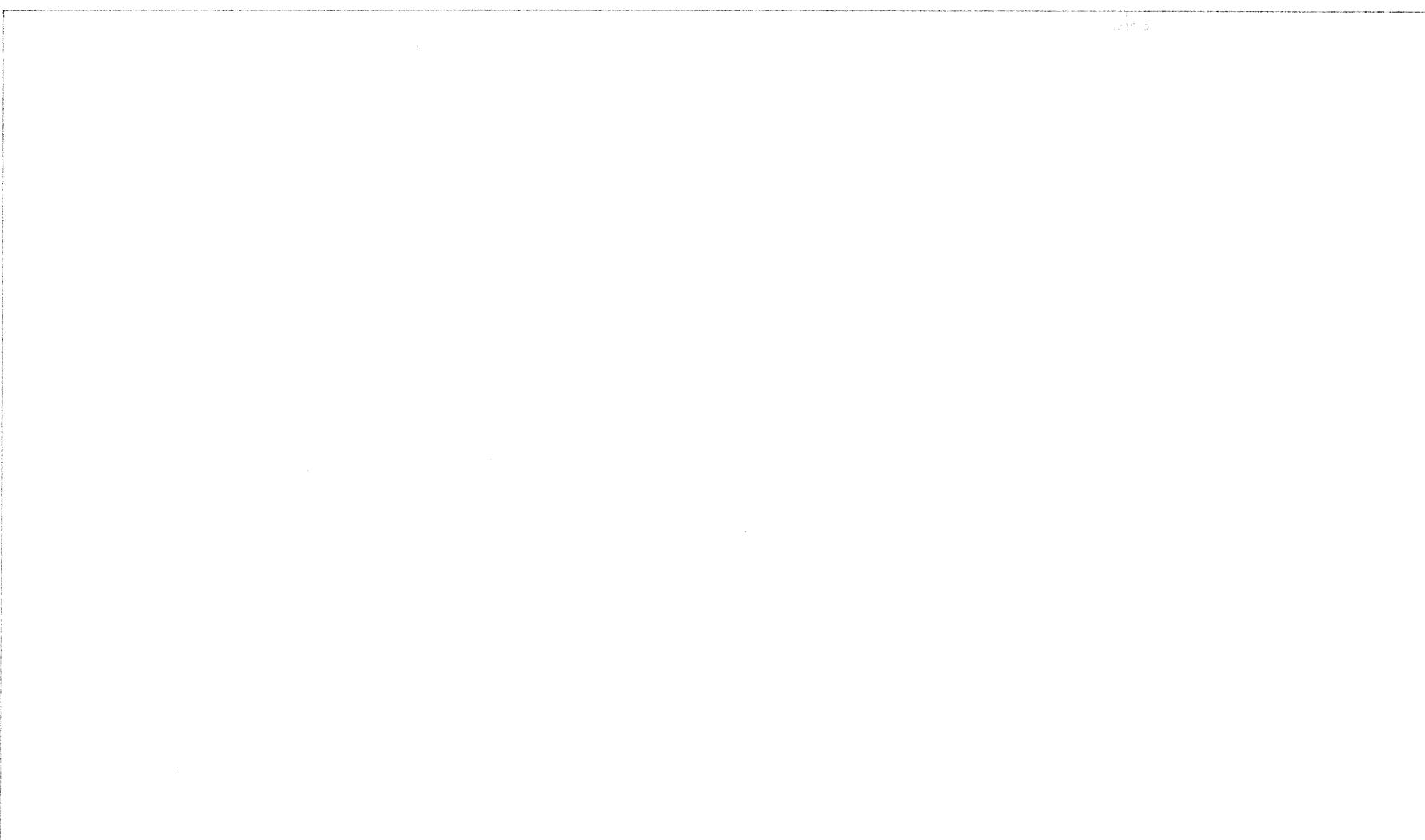
•

Sourcesson and the second seco

· · · ·



GEOLOGICAL BRANCH ASSESSMENT REPOJICAN MAINES LITES EXPLONATION DEPARTMENT SOL GEOCHEMISTRY COPPER (ppm) e ga e erena the second second second • s de la T.P., B.A., T.S. & D.K. T.D. . Julia de la Aug. 1983 MAP - 5 c



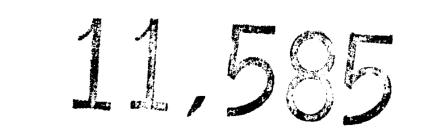


anna - anna - an ba - - - an anna - an ann an an

.

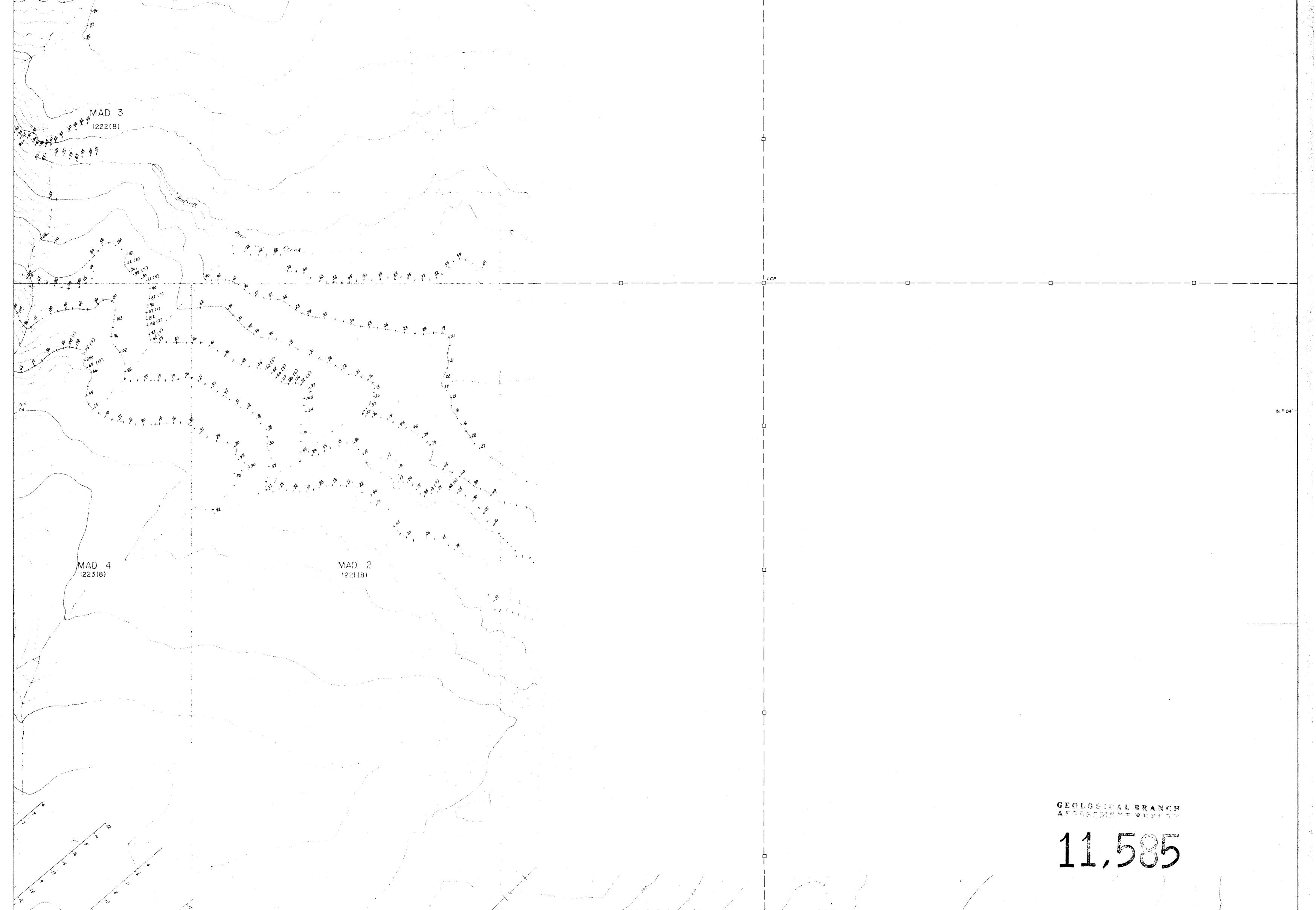
يد الماج

GEOLOGICAL BRANCH ASSESSMENT REPORT



	UTAH MINES LTD. EXPLORATION DEPARTMENT VANCOUVER BRITISH COLUMBIA
	SOIL GEOCHEMISTRY
	COPPER (ppm)
	an a
	мт, жи Мотк Ng — Т.Р., В.А., Т.S. & D.К. — <u>Астк Ny</u>
	Listanis is T.D. Stratem by Aug. 1983
۲. ۴. ۴. 	

L-2¹¹ C€ 2° 35 51005



MAD 1 1220(8) 122º 04 1 2 1 **0**4. 555 and a state of the UTAH MINES LTD. EXPLORATION DEPARTMENT VANCOUVER BRITISH COLUMBIA -----SHEET NOEK MAD PROPERTY Contrary (m SOIL GEOCHEMISTRY 4) Creek LEAD COPPER 8 Lake (+)1.500 SLALE ACP300 400 WE? PES METRES (0) 53 C britishitzingata Legit a prize at at 2.02 An an isome menken menesis NTS Ref 92-0-1 Work by T.R, B.A., T.S. & D.K. REVISIONS Comarce Prost of the Pros Work by Contain interaine - 20 metres - 21: Enhorador (22 metres - 21: Enhorador (22 metres) - 42: - 21: Enhorador (22 metres) معهورة المحدودة والماسي Drawn by Drawn by T.D. 190 (2) Copper & (Lead) in ppm Date Aug. 1983 SHEET 4 Date MAP 5d Base Mar color by from & Gapol B. T. Drews, (March, 1993).

and the second second

.

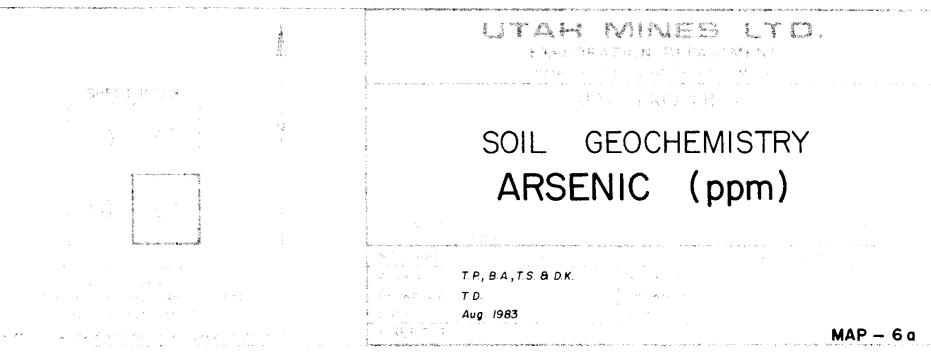
>

1 s

.

' 'ড





•

.



The state could be a provided to the state of the state o

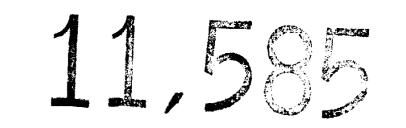
. جو ج

¥ : : :

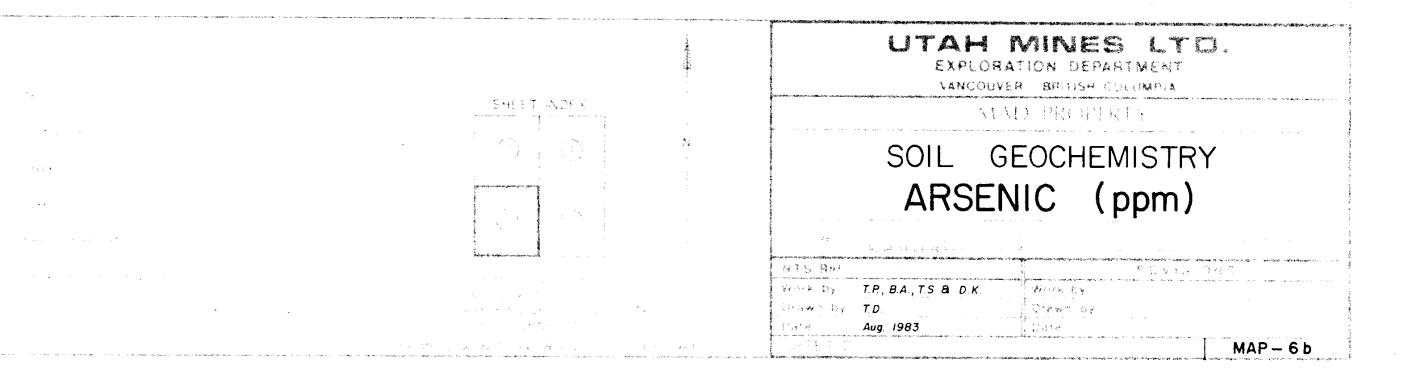
.

•

GEOLOCICAL BRANCH Assance - Department



and the second second

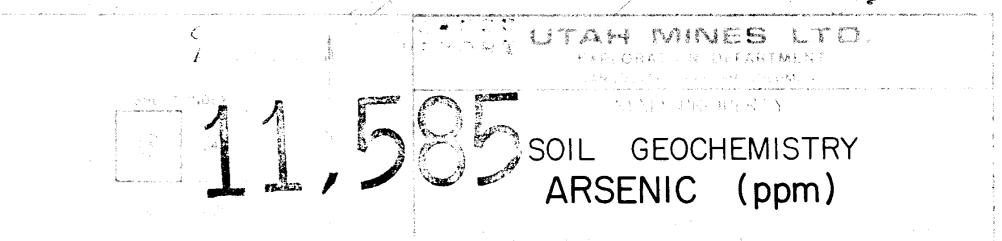




a and the second second `

\$

·· ·



MAP-6c

•

аманала имария (1) тура (1) – 2 ба (1) – уфифа (10), 47 мл. – (1) – (1) – (1) – (2) •

T.P., B.A., T.S. & D.K. T.D. Aug. 1983

.

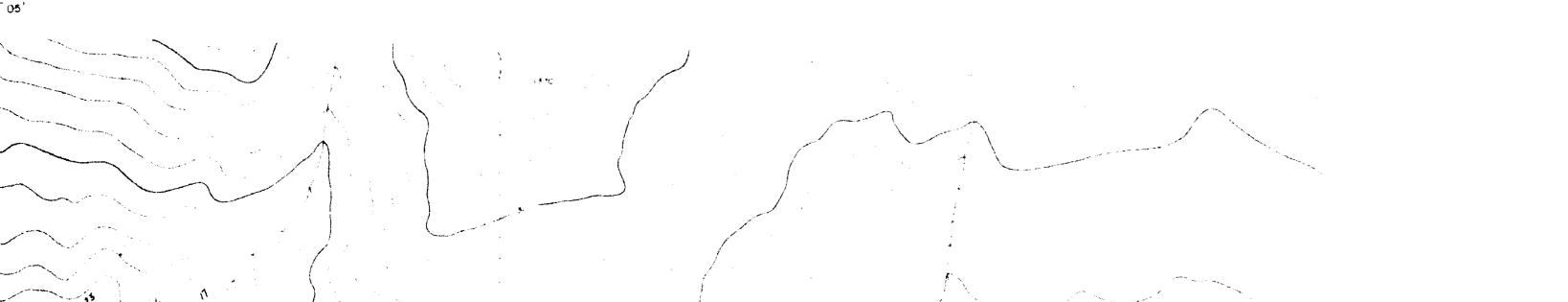
11 A. 15

1_2">" 2 e Ca

.

. . . . موجد مرد محمد مو

-



<u>مر محمود مردم منا</u>

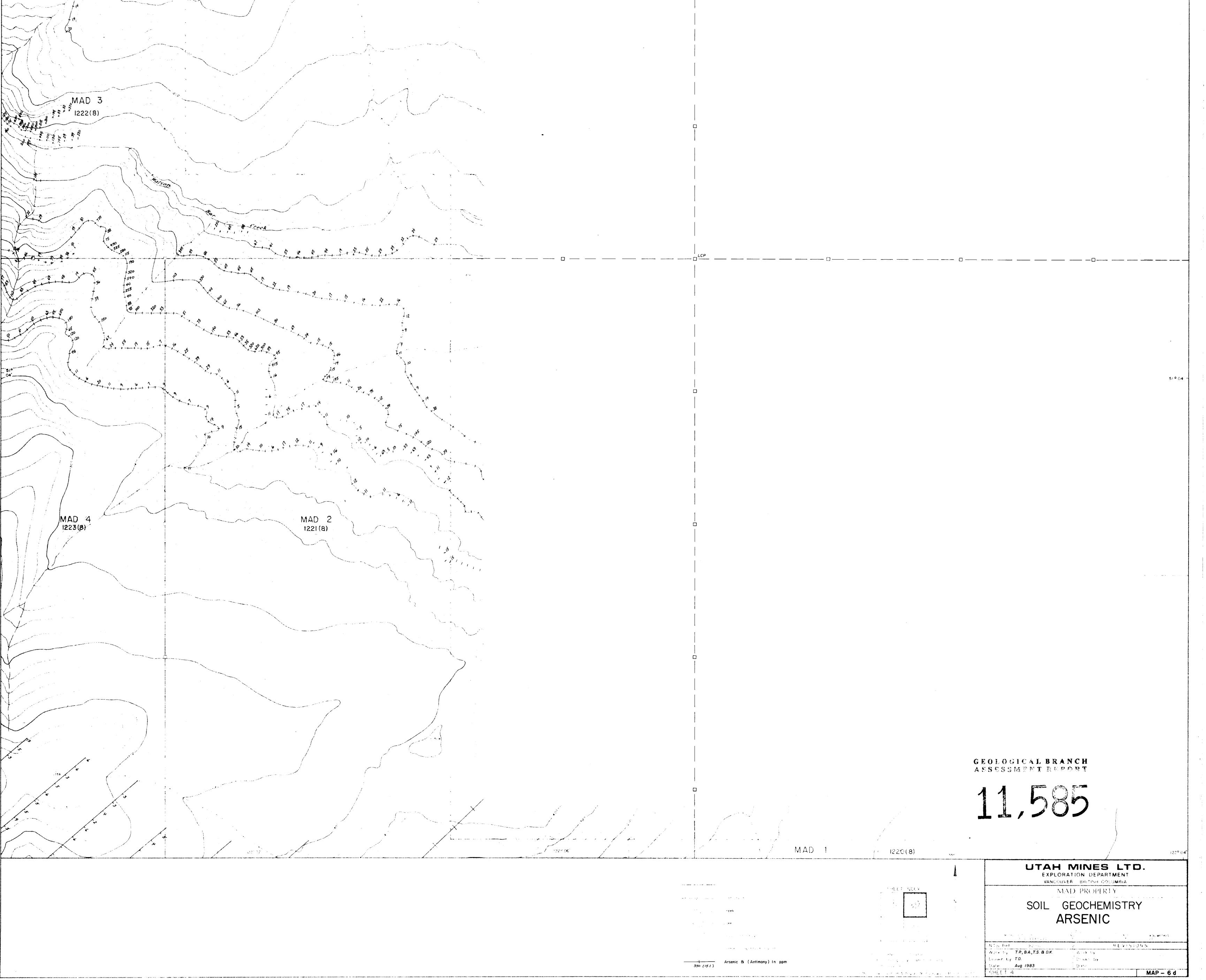
.

,' . ⁶

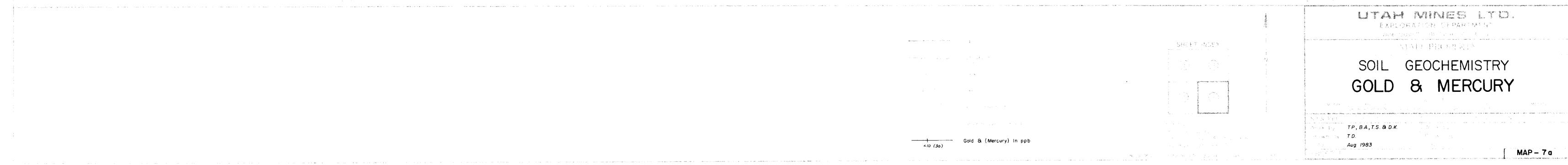
•

122104

51005









GROUDINAL BRANCH Assistant Brippet

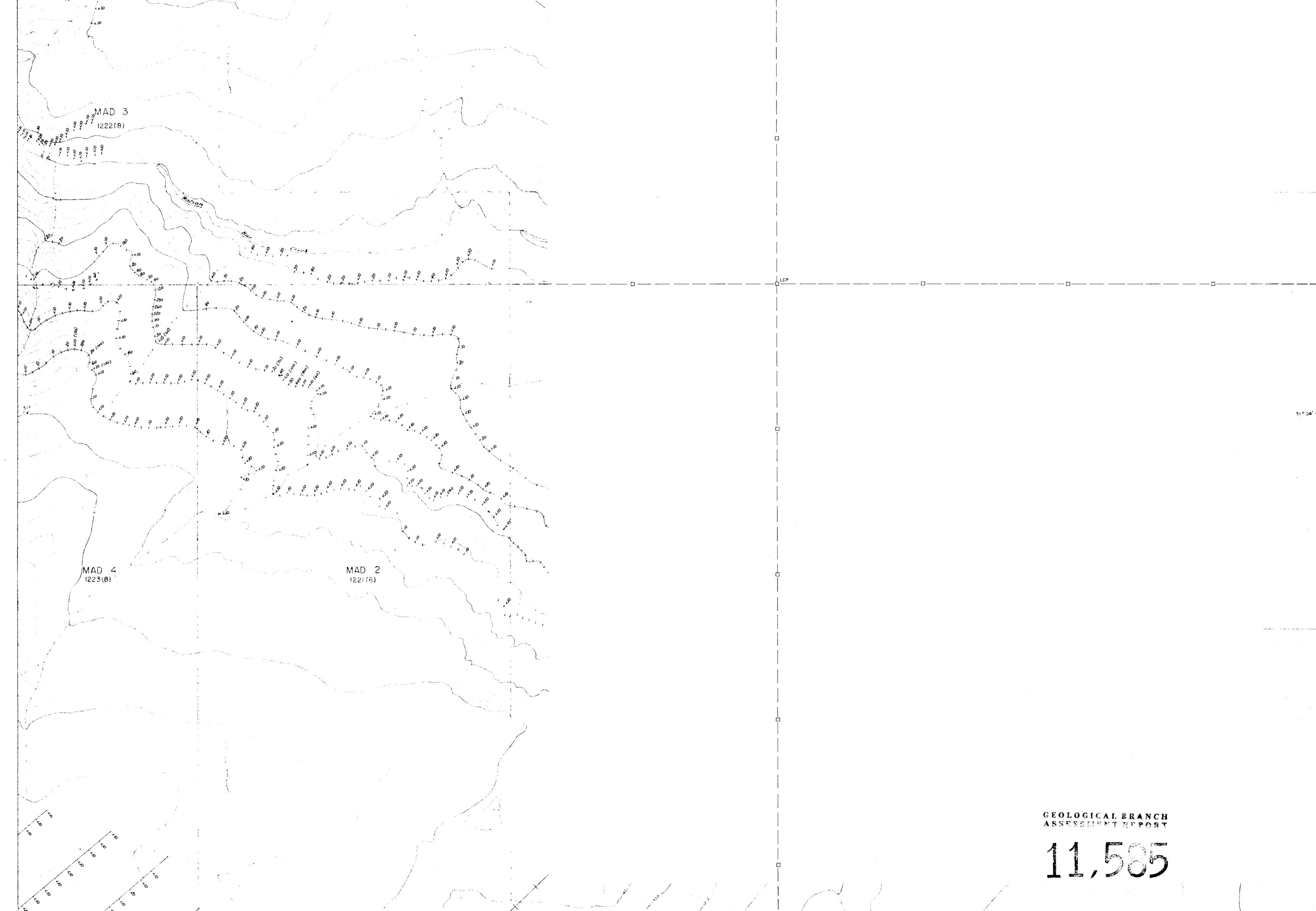


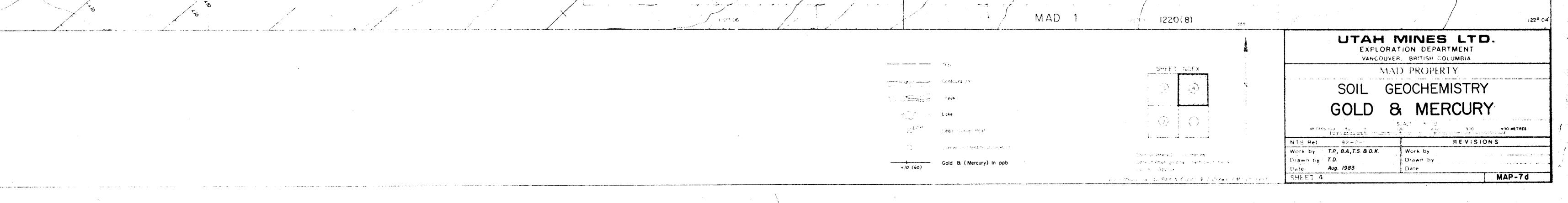
		LITAH MINES LITES. Exploration department Vancoures, applies 1 du mana
· · · · · · · · · · · · · · · · · · ·		
		SOIL GEOCHEMISTRY
	Benefited (1986 work) and an antimation of the second se	
		GOLD (ppb)
	- A CONTRACTOR DE LA CONTRACTÓRIA DE LA CONTRAC	
		NTS Ret DEVIS ONS Work Dy TR, B.A., T.S. & D.K. Were by
	ne na serie de la constante de La constante de la constante de	Drawn by T.D. Drawn by
		Date Aug. 1983





51005-





×.