

003171

1988 Orthophoto Map for Rose Creek Area
Northwest of the
Faro Mine Site

Whitehorse Mining District
Yukon Territory

N.T.S. 105-K-5/6

LATITUDE: 62° 22'
LONGITUDE: 133° 30'

By:

L.C. Pigage, Ph.D. FGAC
Curragh Resources Inc.

Field Work completed June 1-6, 1988

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Dec. 5, 1988 LAND DATABASE

CLAIM NAME AND NUMBER		GRANT NUMBER
RV	1	YB12498
RV	2	YB12499
RV	3	YB12500
RV	4	YB12501
RV	5	YB12502
RV	6	YB12503
RV	7	YB12504
RV	8	YB12505
RV	9	YB12506
RV	10	YB12507
RV	11	YB12508
RV	12	YB12509
RV	13	YB12510
RV	14	YB12511
RV	15	YB12512
RV	16	YB12513
RV	17	YB12514
RV	18	YB12515
RV	19	YB12516
RV	20	YB12517
RV	21	YB12518
RV	22	YB12519
RV	23	YB12520
RV	24	YB12521
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RV	26	YB12523
RV	27	YB12524
RV	28	YB12525
RV	29	YB12526
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RV	37	YB12534
RV	38	YB12535
RV	39	YB12536
RV	40	YB12537
RV	41	YB12538
RV	42	YB12539
RV	43	YB12540
RV	44	YB12541
RV	45	YB12542
RV	46	YB12543
RV	47	YB12544
RV	48	YB12545
RV	49	YB12546

Dec. 5, 1988 LAND DATABASE

CLAIM NAME AND NUMBER		GRANT NUMBER
RV	50	YB12547
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RV	52	YB12549
RV	53	YB12550
RV	54	YB12551
RV	55	YB12552
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RV	88	YB12585
RV	89	YB12586
RV	90	YB12587
RV	91	YB12588
RV	92	YB12589
RV	92	YB12590
RV	93	YB12591
RV	94	YB12592
RV	95	YB12593
RV	96	YB12594
RV	97	YB12595

Dec. 5, 1988 LAND DATABASE

CLAIM NAME AND NUMBER		GRANT NUMBER
RV	98	YB12596
RV	99	YB12597
RV	100	YB12598
RV	101	YB12599
RV	102	YB12600
RV	103	YB12601
RV	104	YB12602
RV	105	YB12603
RV	106	YB12604
RV	107	YB12605
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RV	137	YB12635
RV	138	YB12636
RV	139	YB12637
RV	140	YB12638
RV	141	YB12639
RV	142	YB12640
RV	143	YB12641
RV	144	YB12642
RV	145	YB12643
RV	146	YB12644

Dec. 5, 1988 LAND DATABASE

CLAIM NAME AND NUMBER		GRANT NUMBER
RV	147	YB12645
RV	148	YB12646
RV	149	YB12647
RV	150	YB12648
RV	151	YB12649
RV	152	YB12650
RV	153	YB12651
RV	154	YB12652
RV	155	YB12653
RV	156	YB12654
RV	157	YB12655
RV	158	YB12656
RV	159	YB12657
RV	160	YB12658
RV	161	YB12659
RV	162	YB12660
RV	163	YB12661
RV	164	YB12662
RV	165	YB12663

INTRODUCTION

The area immediately northwest of the Faro Mine Site remains a prime area for economic mineral deposits because it lies along the curvilinear trend outlined by the known stratiform, massive sulphide deposits in the Anvil District (Figure 1). Previous work in this area has consisted of scattered geochemical and geophysical surveys, trenches, and drill holes completed using local coordinate grids. Precise location of previous work and future work required establishing a comprehensive and detailed orthophoto map for the area. In 1988 a 1:5000 scale orthophoto map was completed in preparation for subsequent work.

Figure 2 shows the locations of the claims with respect to the orthophoto maps. The area is mountainous with elevations ranging from 990 - 1760 m. ASL. A few dirt roads allow limited access to portions of the area by ATV and 4 x 4 vehicles. Helicopter access is provided by Trans North Air based in Ross River.

1979 Anvil District Survey Control

In 1979 Northwest Survey Corporation (Yukon) Ltd. completed a new control survey of the Anvil District for Cyprus Anvil Mining Corporation. The survey was undertaken to provide horizontal and vertical control for detailed orthophotos, to amalgamate all previous local control surveys to a common datum and to provide a basis for any future control surveys. All the different deposit areas were tied into a common control grid and elevation datum.

This district control survey was then tied into the international UTM (Universal Transverse Mercator) grid system using Canada Geodetic Survey Control points in the Faro-Ross River areas. The locations of these control points were adjusted in mid-1979 using satellite control. The adjusted coordinates were incorporated into the Anvil District control survey.

1988 Ground Survey Control

In June 1988 G. Aucoin and Associates Ltd. (legal land surveyors) extended the 1979 Anvil District Survey control into the area northwest of the Faro Mine Site. Helicopter support from Ross River was used to establish the various control points.

In addition to the photo control points, they established five permanent survey control points. The permanent control points consist of rebar anchored in the ground; they are marked with red 4 x 4 posts. Table 2 lists the coordinates for all the photo and permanent control points. The permanent control

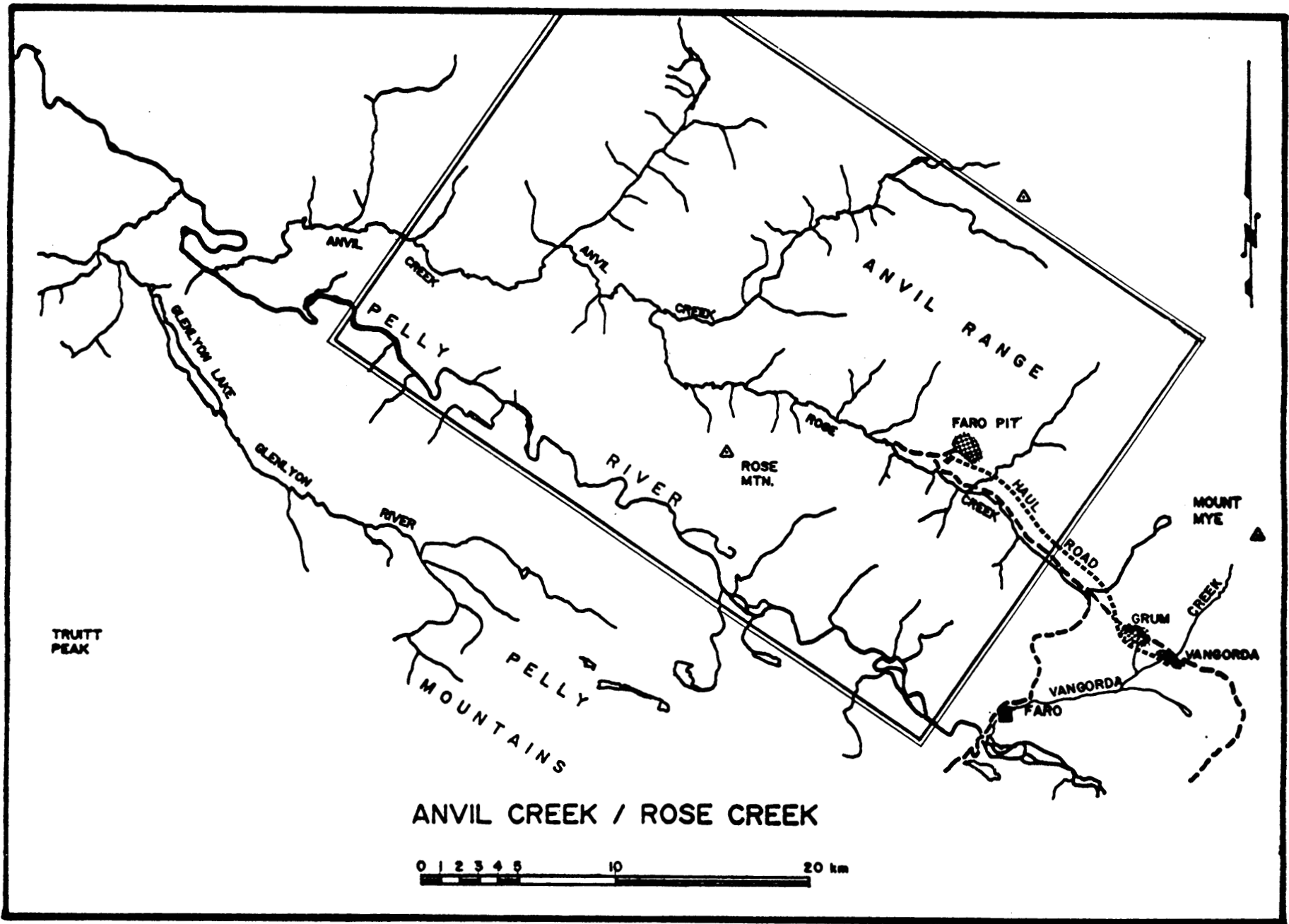


FIGURE 1. Location Map for Rose Creek area. FIGURE 2. Location is outlined with box.

G. AUCOIN & ASSOCIATES LTD.
P.O. BOX 4418
WHITEHORSE YUKON
Y1A 3T5

JOB NO. 363-88

(403)-668-6258

TABLE 2

FARO NORTHWEST GROUND SURVEY CONTROL
ADJUSTED COORDINATES AND ELEVATIONS
(G. AUCOIN & ASSOCIATES LTD.)

STA	NORTHING	EASTING	ELEVATION	DESCRIPTIONS
1482	6920188.3360	577783.3160	1788.171	PHOTO 131 TARGET
1470	6913478.3530	577585.3770	1682.061	PHOTO 140 TARGET
1447	6921239.8060	580153.8610	1888.915	N/A TARGET
1484	6915119.4190	579322.5050	1034.002	PHOTO 139 TARGET
1481	6917371.6310	583323.1970	1649.105	PHOTO 128 TARGET
8801	6918509.5734	580529.3729	1650.469	CONTROL, REBAR, 4*4
8802	6918794.7628	575493.8367	1474.308	CONTROL, REBAR, 4*4
8803	6919998.2687	574412.6478	1490.836	CONTROL, REBAR, 4*4
8804	6920283.5424	576049.2869	1615.104	CONTROL, REBAR, 4*4
8812	6922601.7134	574889.4975	1694.430	TRAVERSE HUB
8806	6920736.2405	574065.8281	1594.065	CONTROL, REBAR, 4*4
8811	6917468.4713	572577.2373	968.047	PHOTO 135 V SANDBAR
8810	6920148.4117	574424.5496	1520.317	TRAVERSE HUB
8808	6920164.3369	574450.2706	1523.047	PHOTO 136 V ROAD
8809	6920159.1309	574461.1638	1523.564	PHOTO 136 H/V TREE
8807	6918940.7629	575766.1817	1486.297	PHOTO 137 H/V CUTLINE
8813	6923124.3412	572082.2197	1092.462	PHOTO 163 H/V ROAD
8805	6923994.8449	573533.1792	1126.845	PHOTO 163 H/V ROAD
8814	6918604.5682	580770.2489	1639.065	PHOTO 136 V RIDGE

points are also plotted on figures 3-5.

1988 Orthophoto Map

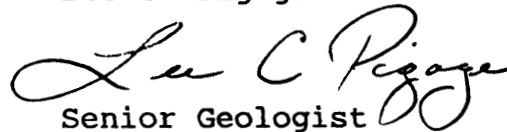
The orthophoto mapping was completed by North West Geomatics Ltd. based in Edmonton, Alberta. The map consists of 3 contiguous sheets (Figure 3-5). All sheets were compiled at a scale of 1:5000 using 5 meter elevation contours. Permanent control points are indicated on the appropriate sheet. Photographs for the orthophoto were obtained from 1979 flight lines completed for Cyprus Anvil Mining Corporation.

STATEMENT OF QUALIFICATIONS

I, Lee C. Pigage, of Whitehorse, Yukon, do hereby certify that:

1. I am a graduate of the University of Wyoming with a B.Sc. degree in Geology in 1970;
2. I am a graduate of the University of British Columbia with M.Sc. and Ph.D. degrees in Geological Sciences in 1973 and 1978, respectively;
3. I have been engaged in mineral exploration and development as a professional geologist continuously since 1979;
4. I am a Fellow of the Geological Association of Canada;
5. I am the author of this report describing field work supervised by myself in 1988.

Lee C. Pigage


Senior Geologist
Curragh Resources Inc.

PROJECT COSTS

Ground Survey Control (G.Aucoin & Associates Ltd.)	\$ 4,350.00
Helicopter Support (Trans North Air)	3,827.60
Orthophoto Mapping (North West Geomatics)	12,450.00
	<hr/>
	\$20,627.60
	<hr/>

G. AUCOIN AND ASSOCIATES LTD.

LEGAL LAND SURVEYORS

GABRIEL AUCOIN, C.L.S.
403 668-6258

Box 4418.
WHITEHORSE, YUKON Y1A 3T5

May 10, 1988

INVOICE

TO:

Curragh Resources
117 Industrial Road
Whitehorse, Y.T.
Y1A 3T8

Attention: Mr Greg Jilson

RE:

Photo Control, Faro, Y.T.

OUR FEE:

. \$ 4,350.00

OUR JOB NO: 363-88
OUR INVOICE NO: 88-0090



REMIT PAYMENT TO:
TRANS NORTH AIR
 TRANS NORTH TURBO AIR LTD
 AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4
 TELEPHONE (403) 668-2177 FAX (403) 668-3420

CURRAGH RESOURCES.

CHARTERER
117 INDUSTRIAL ROAD
 BILLING ADDRESS
WHITEHORSE YT Y1A 3T8

FUEL & OIL X TMTA FUEL USED HRS / LITRES FROM
 TMTA CUST ~~500~~ **500** **Fouro drams.**

ACCOUNT NUMBER	CORRES		
INVOICE NUMBER	82177		
INVOICE DATE	08/09/88		AREA <input type="checkbox"/> B.C. <input type="checkbox"/> YUKON <input type="checkbox"/> N.W.T. <input type="checkbox"/> ALTA
A/C TYPE	B206B.	AIRCRAFT REGISTRATION C GPHB	
FLIGHT DATE	DAY 05	MONTH 06	YEAR 88
PURCHASE ORDER NO.			

FROM	TO	MILES	HOURS	ZONE	REMARKS · NO. OF PASS.	FREIGHT Kg
Ross River	FARO		.3			
"	local		2.3		Surveying	
"	"	1.0	1.5		Fish biology	
"	"	1.1	1.4		Sheep biology	
Ross River.			.3			

RECEIVED JUN 13 1988

SUB	GL	AMOUNT
1614502		2,750.00
1614511		345.00

5.0	550.00	2,750.00
"	"	"
"	"	"

WHITEHORSE

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
 IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

WAITING TIME **500** • **INVOICE**

FUEL ~~470.0~~ • **69¢** / LITRE **345.00**

X *[Signature]*
 CHARTERER'S SIGNATURE

ASA *[Signature]*
 PILOT'S SIGNATURE

DPH **D. Hodson**
 ENGINEER'S NAME

9
 CYCLES

FUEL: **6551-798** 2,380.00
3F1500-Item F - 715.00

OTHER **APPROVED** *[Signature]*
 TOTAL **8095.00**

DATE **June 13**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

ACCOUNT NUMBER	CURRES
INVOICE NUMBER	80696
INVOICE DATE	08/06/88
A/C TYPE	206B
FLIGHT DATE	06/06/88
PURCHASE ORDER NO.	

CHARTERER
CURRAGH RESOURCES
 117 INDUSTRIAL ROAD
 BILLING ADDRESS
 WHITEHORSE YT Y1A 3E4
 FUEL & OIL X TNTA FUEL USED (LITRES) FROM
 TNTA CUST. **FTN** 1.7 **002**

FROM	MILES	HOURS	ZONE	REMARKS	NO. OF PASS.	FREIGHT
YUK						
TO						
SURVEYING WEST OF	117	1.7		5550-798		935 00
ALIVE SITE.						

SUB	Q.L.	AMOUNT
1606502		935 00
1600131		107 10

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

WAITING TIME: /HR.

FUEL: 170.2 • 63 LITRE 107 10

CHARTERER'S SIGNATURE: *[Signature]*

PILOT'S SIGNATURE: *[Signature]*

ENGINEER'S NAME: **DPH HEADIN.**

OTHER: **WHITEHORSE**

OTHER: **INVOICE**

TOTAL \$ 1,042 10

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF. TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT

ACCOUNT NUMBER	CURRES
INVOICE NUMBER	82176
INVOICE DATE	09/06/88
A/C TYPE	B206B
FLIGHT DATE	04/06/88
PURCHASE ORDER NO.	

CHARTERER
CURRAGH RESOURCES
 117 INDUSTRIAL ROAD
 BILLING ADDRESS
 WHITEHORSE YT Y1A 3E4
 FUEL & OIL X TNTA FUEL USED (LITRES) FROM
 TNTA CUST. **X** 220 **Few drums**

FROM	MILES	HOURS	ZONE	REMARKS	NO. OF PASS.	FREIGHT
FARO						
TO						
ANVIL MINESITE		1.9		Surveying.		
ROSS RIVER.		.3				

SUB	Q.L.	AMOUNT
1618502		1210 00
1618511		151 80

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

WAITING TIME: /HR.

FUEL: 220 • 550 LITRE 1210 00

CHARTERER'S SIGNATURE: *[Signature]*

PILOT'S SIGNATURE: *[Signature]*

ENGINEER'S NAME: **DPH HEADIN.**

OTHER: **WHITEHORSE**

OTHER: **INVOICE**

TOTAL \$ 1361 80

DATE: **13 June 88**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF. TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT



NORTH WEST GEOMATICS LTD.

HANGAR 11A, MUNICIPAL AIRPORT
 11941 - 121 ST
 EDMONTON, ALBERTA
 CANADA T5L 4H7
 TELEPHONE (403) 453-6751
 TELEX 037-3039
 FAX NO.: (403) 455-3500

RECEIVED AUG 16 1988

WITH: Curraah Resources Inc.
 117 Industrial Road
 Whitehorse, Y.T.
 Y1A 2T8

DATE: AUG 2. 1988
 JOB NO: 88-713
 INVOICE: 030

Attn: Gred Jilson

RE: Orthophoto Mapping

CODE	JFF 005-321 JFF 005-321
APPROVED	<i>[Signature]</i>

INVOICE

Description	Unit Price	Amount
Orthophoto mapping - 1:5000 scale 5 Metre contours Sheets 6, 7 and 8 Faro Minesite, Y.T.		
As quoted		12,000.00
Additional contact prints 6 @	75.00	450.00
	SUBTOTAL	\$12,450.00
Less Progress Invoice 014		7,500.00
Total due this invoice		\$4,950.00

Net 15th of month following date of invoice. Interest @ 1.5% per month (18% per annum) on overdue accounts.



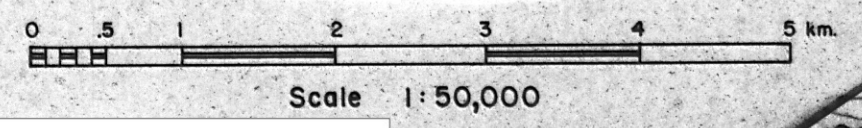
ORTHOPHOTO SHEET LOCATIONS

MINERAL LEASES

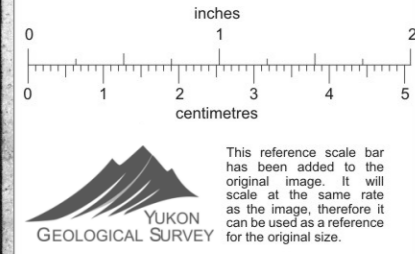
CLAIMS BLOCKS

RV CLAIMS

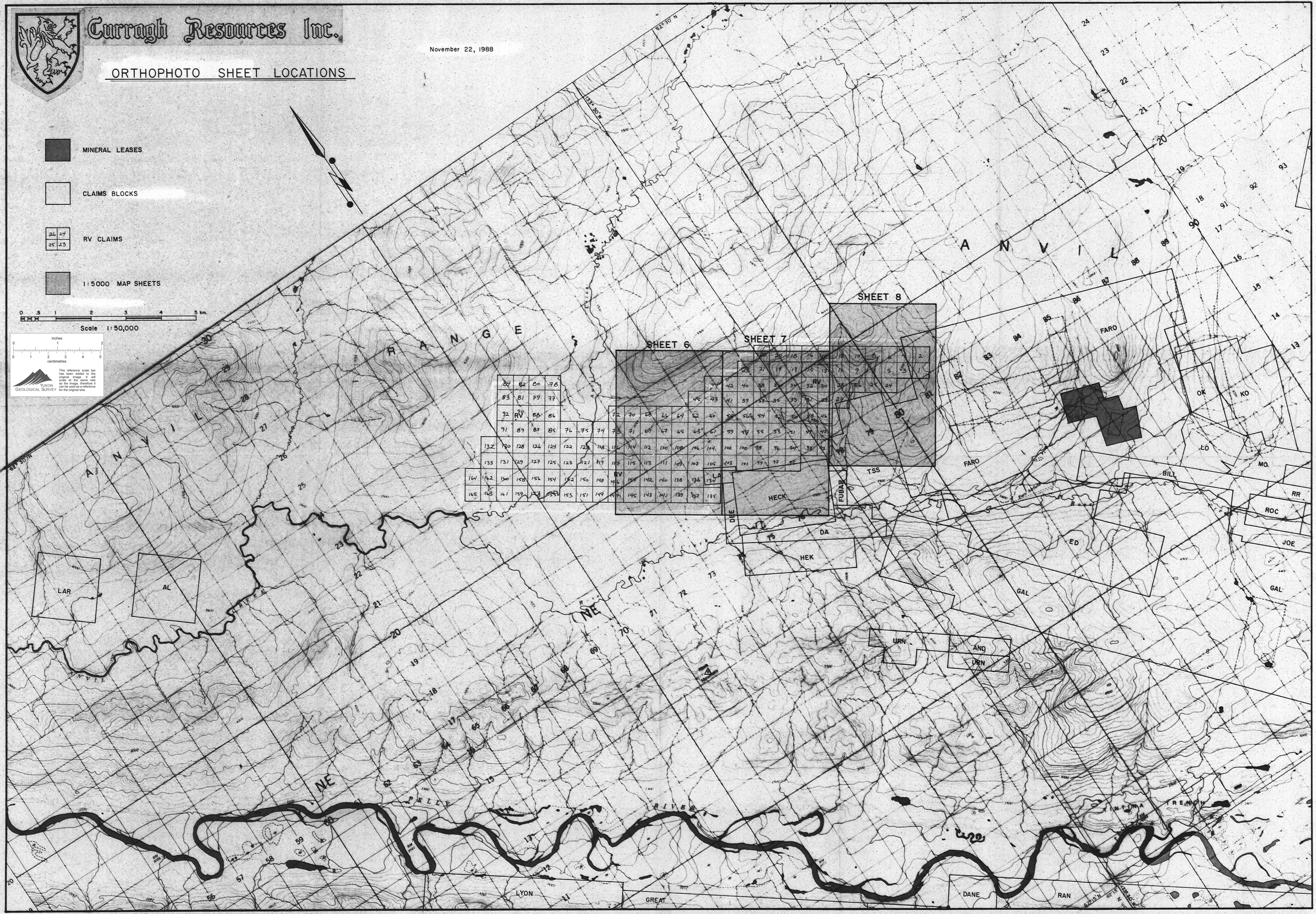
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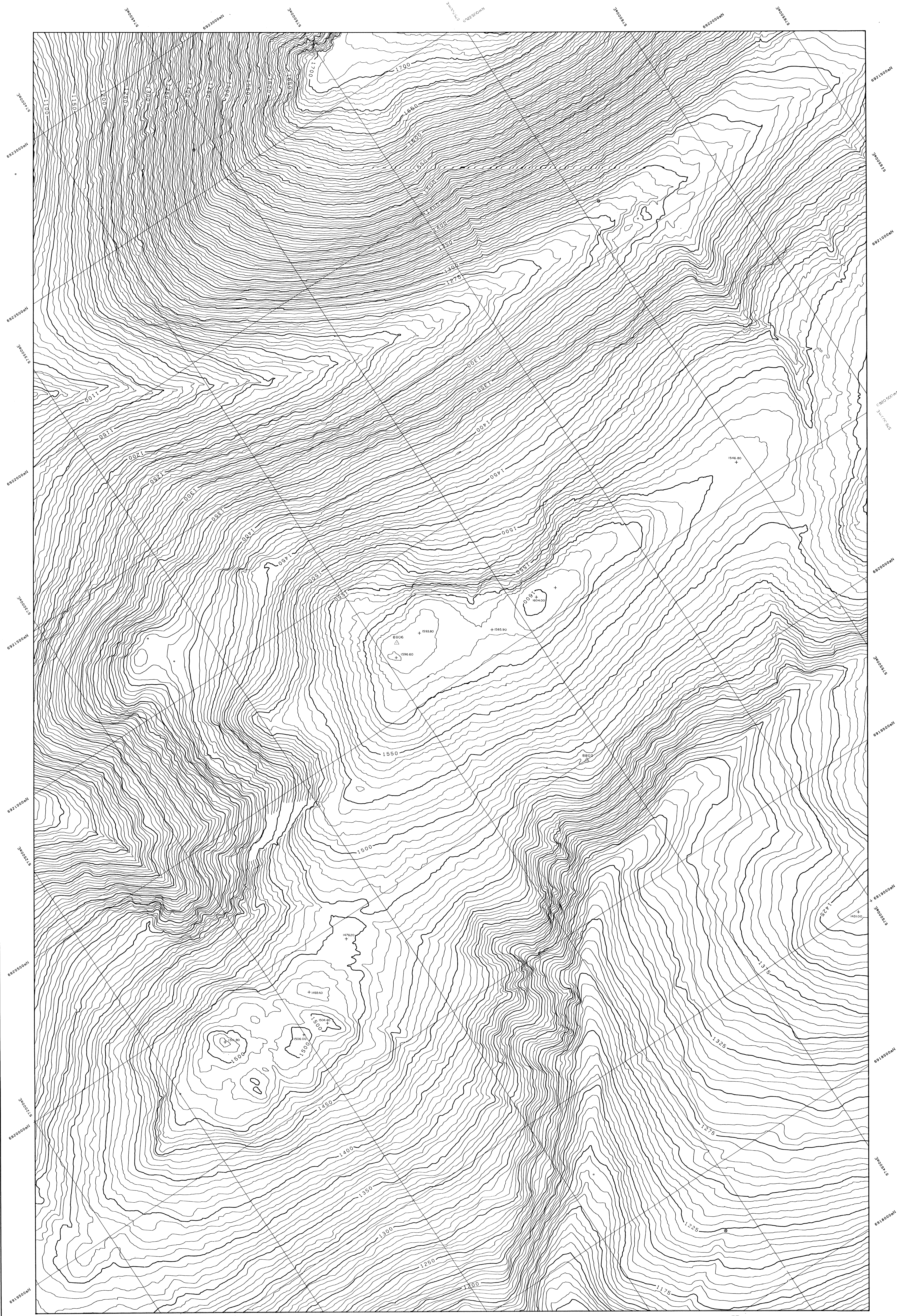
Scale 1:50,000



YUKON GEOLOGICAL SURVEY

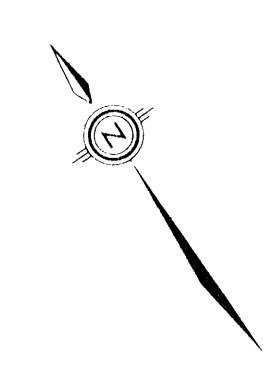
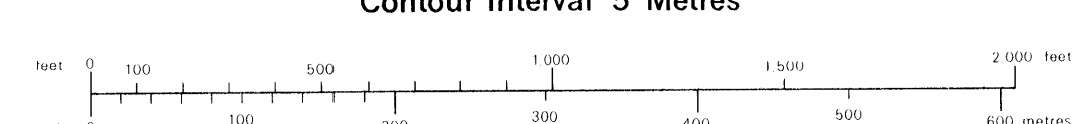
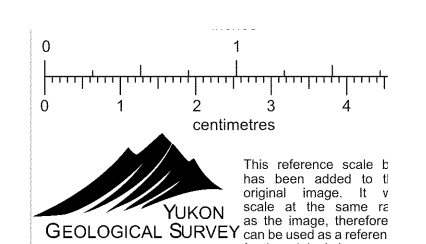


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7	6	4	2
6	5	3	1



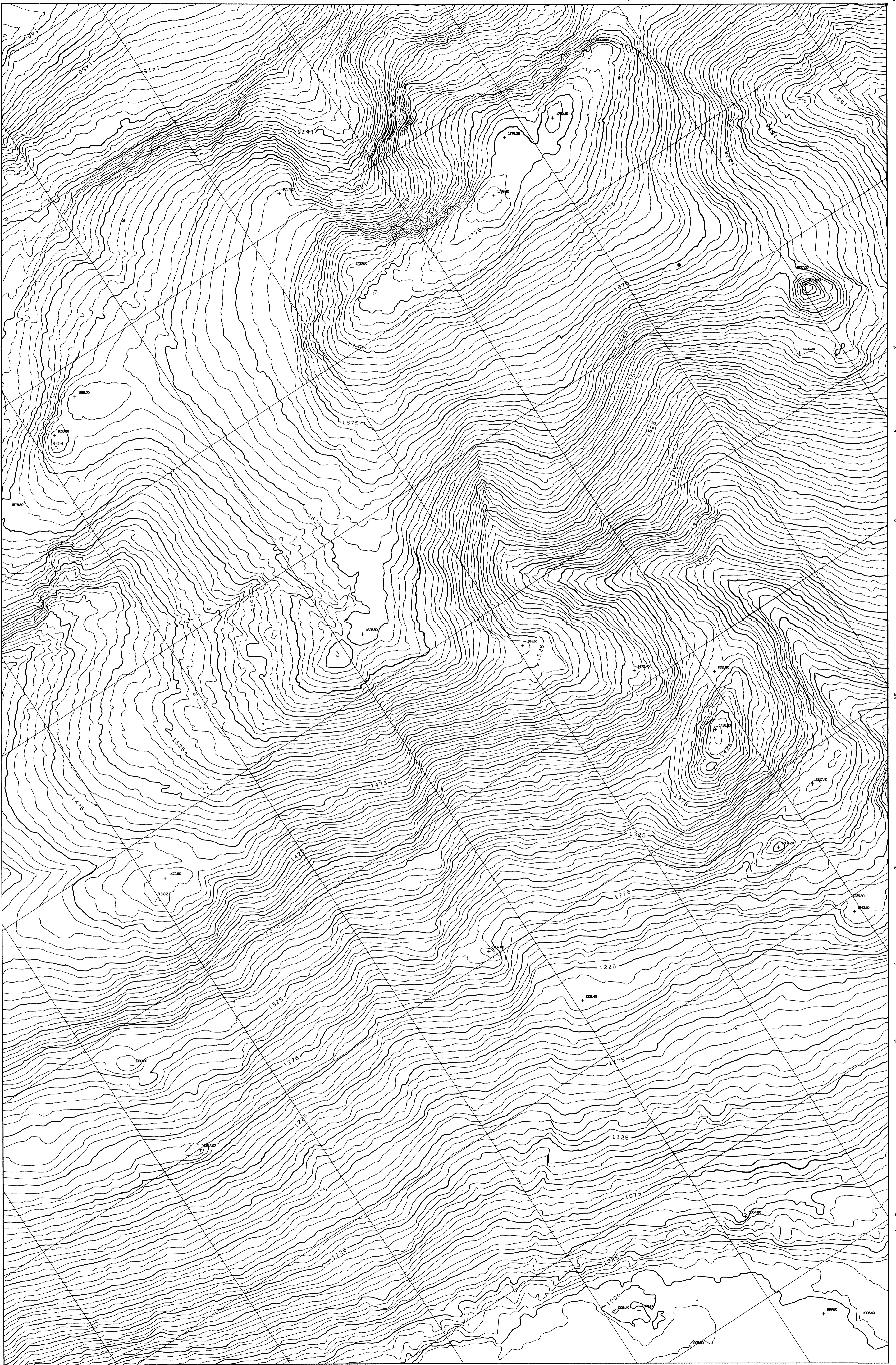
Orthophoto map compiled from aerial photography taken in August, 1979 by North West Survey Corporation International Ltd.
 Coordinates shown are U.T.M. coordinates based on Clarkes Spheroid of 1866 and are computed for Zone 8.
 Elevations shown are Geodetic elevations based on the North American Datum, 1927.
 Horizontal and vertical control survey was performed by Hosford, Impey, Weller & Associates Ltd. and North West Survey Corporation (Yukon) Ltd. in the summer of 1979 for Cyprus Anvil Mining Corporation and is included in a report of the same date.

CURRAGH RESOURCES INC.
ANVIL AREA
 Scale 1:5000
 Contour Interval 5 Metres

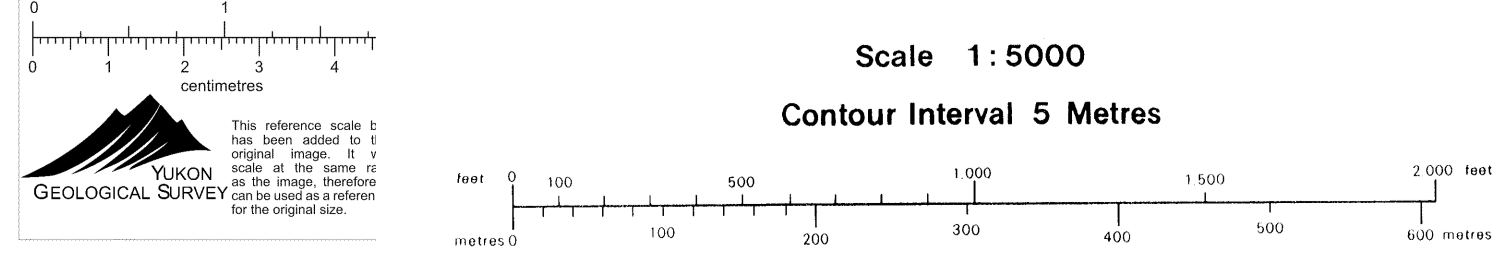


HUGH HAMILTON LTD.
 850 West 15th Street, North Vancouver
 British Columbia, Canada V7P 1K8
 FORESTRY CONSULTANTS AND MAPPING SERVICES
 SHEET INDEX

6	7	8	E-6-3
			0-6-4



Orthophoto map compiled from aerial photography taken in August, 1979 by North West Survey Corporation International Ltd.
 Coordinates shown are U.T.M. coordinates based on Clarke's Spheroid of 1866 and are computed for Zone 8.
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CURRAGH RESOURCES INC.
ANVIL AREA

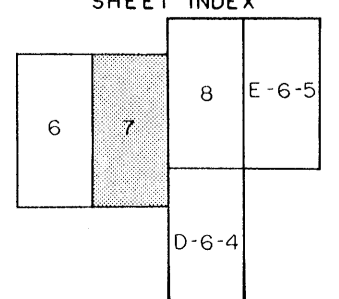
Scale 1:5000
 Contour Interval 5 Metres

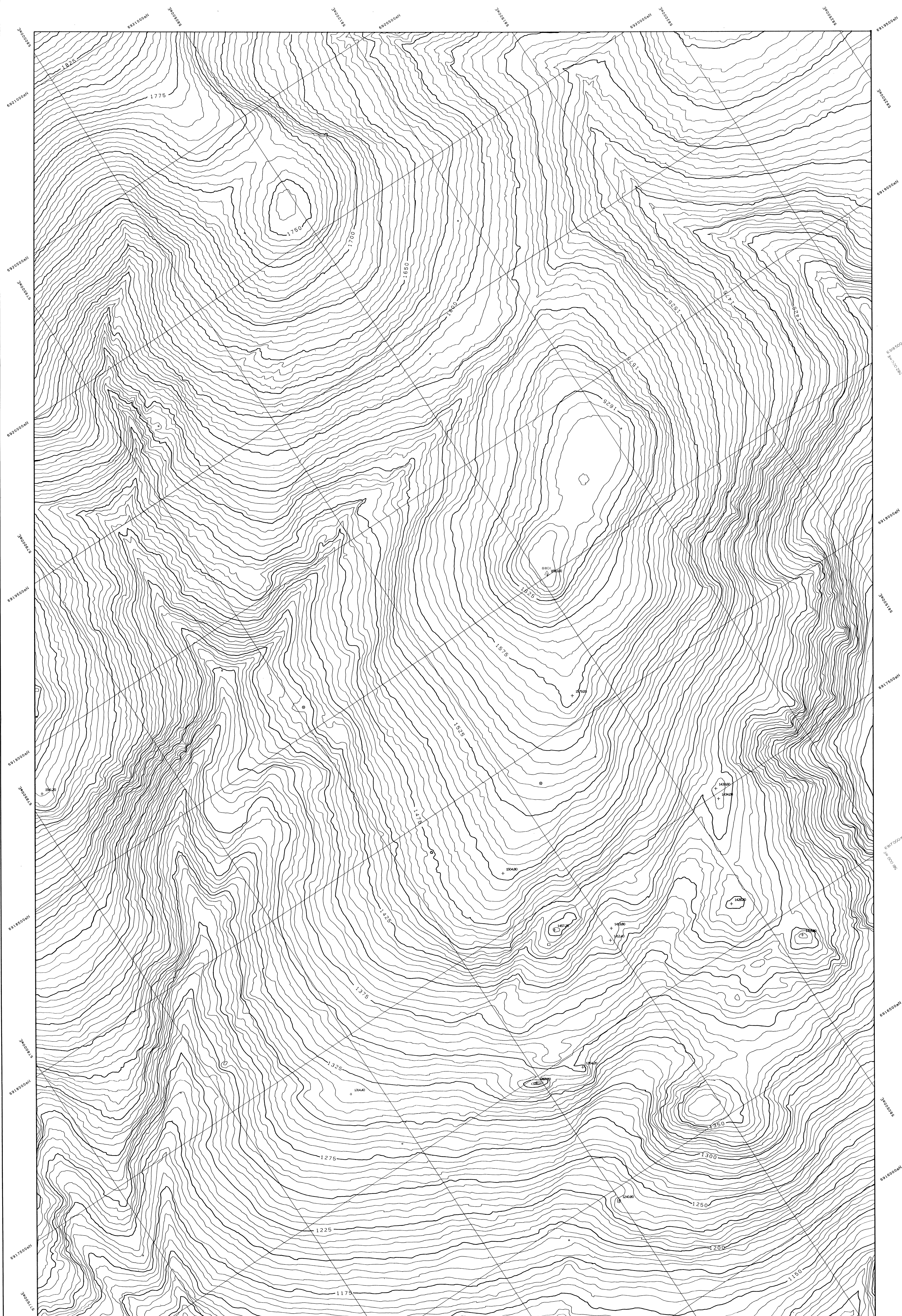


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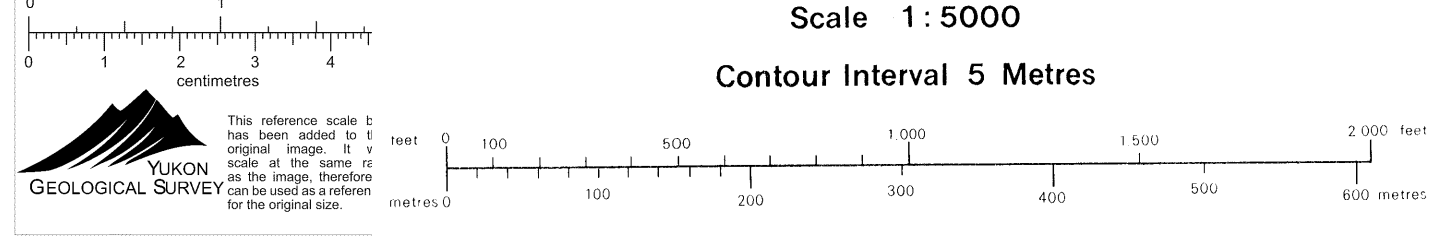




Orthophoto map compiled from aerial photography taken in August, 1979 by North West Survey Corporation International Ltd.
 Coordinates shown are U.T.M. coordinates based on Clarke's Spheroid of 1866 and are computed for Zone 8.
 Elevations shown are Geodetic elevations based on the North American Datum, 1927.
 Horizontal and vertical control survey was performed by Hosford, Impney, Welter & Associates Ltd. and North West Survey Corporation (Yukon) Ltd. in the summer of 1979 for Cyprus Anvil Mining Corporation and is included in a report of the same date.

CURRAGH RESOURCES INC.
ANVIL AREA

Scale 1:5000
 Contour Interval 5 Metres



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