

2040

DOLMAGE, CAMPBELL & ASSOCIATES

CONSULTING GEOLOGICAL & MINING ENGINEERS

808 BANK OF CANADA BUILDING

VANCOUVER I. B. C.

GEOCHEMICAL REPORT

on

KAC MINERAL CLAIMS

Nos. 1 to 24

Claim Sheet No. 104 1 / 2 W (M)

McBRIDE RIVER AREA

Liard M.D.,

British Columbia.

58° N. Lat., 128° W. Long.,
SW Quadrant

Owner of claims:

R.C. Coutts.

Report by:

P.J. Street, M.Sc.,

Supervised by:

R.S. Adamson, P.Eng.

Work completed between July 11th and 23rd, 1969.

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2040 MAP

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- 1 -

INTRODUCTION

At the request of Silver-X International Mines Ltd., the present owners of KAC Mineral Claims Nos. 1-48, a geochemical survey was carried out by Dolmage, Campbell and Associates, Consultants, on Nos. 1-24 inclusive of those claims, under the supervision of R.S. Adamson, P.Eng.

LOCATION AND ACCESS:

The KAC claims are situated approximately 48 miles on a bearing S 54° E of the south end of Dease Lake, and about 33 miles east of the Cassiar-Stewart road at Stikine Crossing. They are accessible by helicopter or pack-trail from Dease Lake, and float-equipped aircraft can land on a pair of small lakes about two miles north of the claims.

The claims cover moderately hilly ground at about the 5,000 foot elevation. The area surveyed is just below tree-line and is lightly forested.

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- 2 -

SUMMARY AND CONCLUSIONS

A geochemical survey carried out on KAC Mineral Claims Nos. 1-24 has disclosed only a few isolated points at which values of copper and zinc (in parts per million) are appreciably higher than the background. Background values for copper range from 10 to 40 ppm, and the highest value recorded is 290 ppm. For zinc the corresponding figures are 0-100 ppm, and 350 ppm. A weak directional trend appears to conform roughly with the local geological structural trend, but is not strong enough to suggest targets for exploratory drilling.

It is recommended that the value of the 1969 geophysical program be applied for assessment credit in order to keep KAC Mineral Claims Nos. 1-48 in good standing until October 22nd, 1970, in view of the potential exploration interest of the surrounding area. However, the results of the geochemical survey do not justify further expenditures on detailed exploration of these claims at present.

GEOLOGICAL SETTING

Upper Triassic intermediate volcanic rocks with minor interbedded sedimentary rocks underly the area. The volcanics consist of largely of massive andesitic flows and pyroclastics. The volcanic assemblage has been very broadly folded creating gentle dips which are clearly visible on the walls of cirques in the area west of the claim block.

Adjoining the KAC claim group, chalcocite mineralization occurs in a steeply dipping shear zone which can be traced on air photos to the western edge of the KAC group. The geochemical survey was initiated with a view to assessing the copper content of the hidden projection of this structure beneath the overburden on the KAC Claims.

SAMPLING TECHNIQUES

A survey was laid out, consisting of 18 lines, each of approximately 5,500 feet length, spaced about 400 feet apart. The lines were surveyed by chain and compass, and sampling stations marked at 100-foot intervals. The lines were tied in to the location lines for KAC Mineral Claims Nos. 1-12 and 13-24 respectively. The bearing of the claim location lines is N 70° E, and the average bearing of the grid lines N 20° W. The relationship of the grid lines to the claim location lines is shown in Figure 69-7.

A total of 1,015 samples were taken and analysed.

A small handful of soil was taken from the 'B' horizon at each station. Each sample was packaged in a standard high wet strength brown paper sample bag. The entire collection of samples was sent to Chemex Labs Ltd. of North Vancouver, B.C., where they were dried, screened, and analysed for copper and zinc by the atomic absorption method after hot-acid extraction. The results were plotted and contoured according to values, and are presented in Figures 9 and 10 of this report, for copper and zinc respectively.

INTERPRETATION

As the table below shows, almost 90% of the samples showed copper values of less than 60 ppm. Less than 1.5% of the samples assayed more than 100 ppm.

<u>Values in ppm</u>	<u>No. of samples</u>	<u>% of total sample</u>
0-19	191	18.8
20-39	497	49.7
40-59	209	20.3
60-79	80	7.9
80-99	24	2.4
100-119	10	1.0
over 120	4	0.4
<u>TOTAL:</u>	1015	

Approximately 55% of the samples assayed less than 100 ppm of zinc, 43% between 100 and 200 ppm, 1.6% over 200 ppm and 0.1% over 300 ppm.

INTERPRETATION (Cont.)

It is clear that only a fraction of 1% of the samples yielded results that could be considered in the slightest way encouraging. There is only the most tenuous spatial connection between the high values in copper and those in zinc. There is also only a very slight correspondence between the local drainage pattern and areas showing moderate concentration of higher values of copper.

When these values are contoured as in Figures 9 and 10 both the copper and the zinc values can be interpreted as suggesting a directional trend that runs subparallel to the claim location lines, i.e. about N 70° E, and happens to correspond roughly to a projection of the structural trend that includes the No. 1 and No. 2 showings on claims held by Pelly Copper. Although this confirms that the KAC claims were located on potentially favourable ground, the geochemical data do not suggest that they are underlain by any worthwhile mineralization.

CONCLUSIONS

The copper and zinc geochemistry returned low values on the area surveyed. Contouring of the assay results developed a weakly anomalous trend extending northeasterly across the property and may reflect weak copper mineralization aligned along the projected structure.

Because the anomalous trend is weak, because the zones indicated appear to be isolated, and lensey and because the mineralization on the adjoining property although high grade is controlled structurally, in the writer's opinion the trend has only a remote possibility of reflecting ore. Therefore the writer recommends no further work be done on the claim block at this time and that the claims be retained in good standing for one year in order to gain time to assess the ore making possibilities on the neighbouring claims.

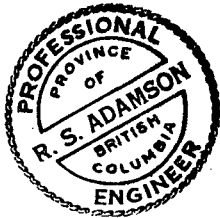
Respectfully submitted by,
DOLMAGE, CAMPBELL & ASSOCIATES LTD.



P.J. Street, M.Sc.



R.S. Adamson, P.Eng.



APPENDIX

STATEMENT OF EXPENDITURES

Wages	39 man days @ \$37.00	\$1,443.00
Camp Maintenance		167.06
Assays and freight (1015 samples)		1,347.54
Transportation - helicopter		1,224.90
Typing, secretarial		60.00
Supervision and report		<u>1,269.58</u>
	<u>TOTAL:</u>	<u>\$5,512.08</u>

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *22*
day of *October*, 19*69*, A.D.

R.S. Adams

A. Jeannotte
A Commissioner for taking Affidavits within British Columbia
A Notary Public in and for the Province of British Columbia.

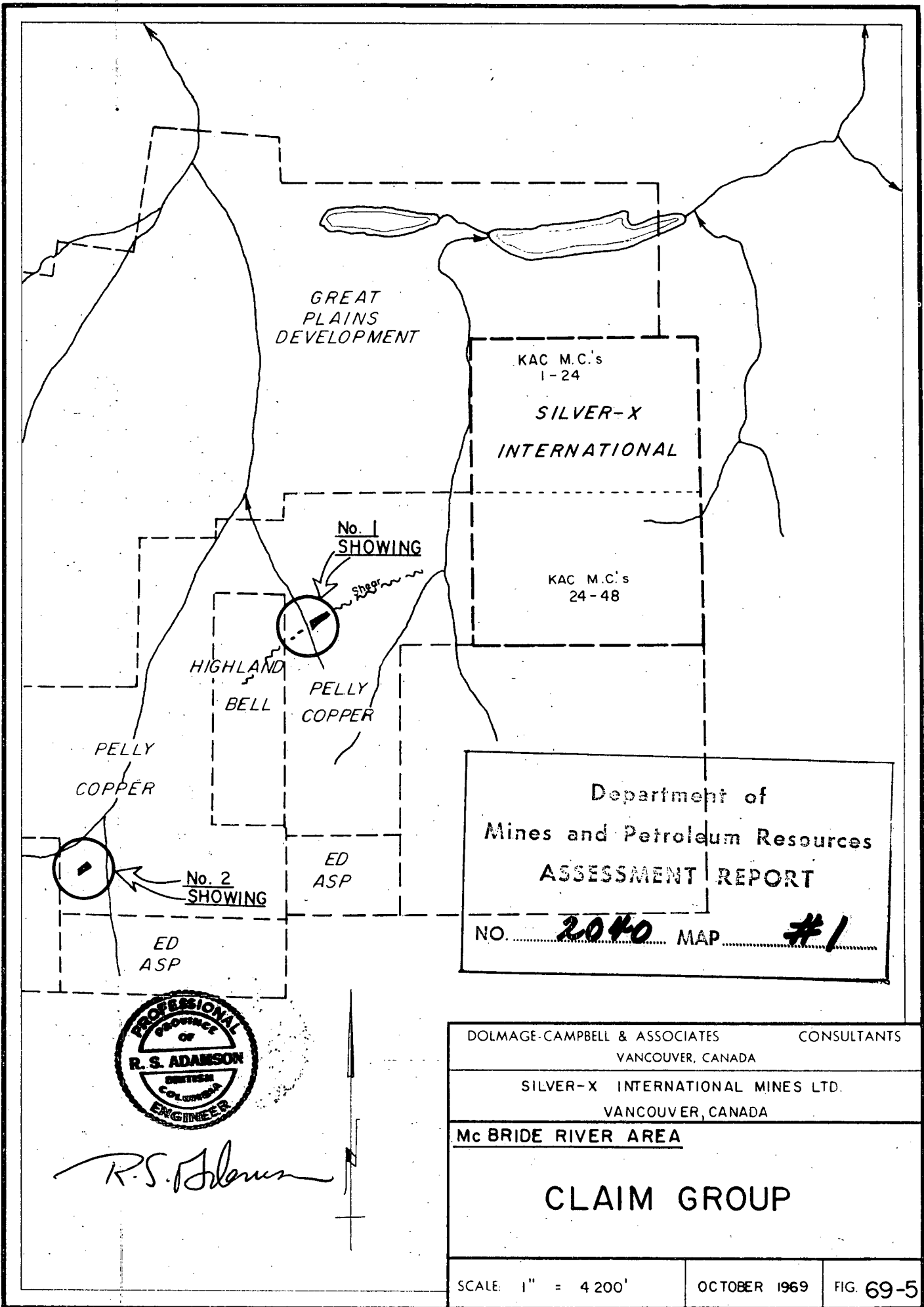
Sub-Mining Recorder

13 days worked by each man of a three-man crew, from July 11th to 23rd inclusive.

Total wages paid to each man - \$481.00

Daily rate of wages - \$37.00 per man.

R.S. Adams



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 NO. 2040 MAP #1

DOLMAGE-CAMPBELL & ASSOCIATES CONSULTANTS
 VANCOUVER, CANADA
 SILVER-X INTERNATIONAL MINES LTD.
 VANCOUVER, CANADA
Mc BRIDE RIVER AREA
CLAIM GROUP



R. S. Adamson

SCALE: 1" = 4 200'
 OCTOBER 1969 FIG. 69-5

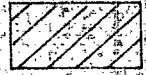
			R	R	R	R	R	R	R	R	R	R	R	R	R	R
			35286	35287	35288	35290	35292	35294	35296	35298	35300	35302	35304	35306	35308	35310
			CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY
			7	8	9	11	13	15	17	19	21	23	25	27	29	31
			R	R	R	R	R	R	R	R	R	R	R	R	R	R
			35284	35285	35289	35291	35293	35295	35297	35299	35301	35303	35305	35307	35309	35311
			CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY	CRY
			5	6	10	12	14	16	18	20	22	24	26	28	30	32
			33277P	33275P	33271P	33271P	33269P	33267P	33265P	33263P	33261P	33259P	33257P	33255P	33253P	33251P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			58	56	52	52	50	48	46	44	42	40	38	36	34	32
			33274P	33274P	33272P	33270P	33268P	33266P	33264P	33262P	33260P	33258P	33256P	33254P	33252P	33250P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			57	55	53	51	49	47	45	43	41	39	37	35	33	31
			33287P	33285P	33283P	33281P	33279P	33277P	33275P	33273P	33271P	33269P	33267P	33265P	33263P	33261P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			50	48	46	44	42	40	38	36	34	32	30	28	26	24
			33286P	33284P	33282P	33280P	33278P	33276P	33274P	33272P	33270P	33268P	33266P	33264P	33262P	33260P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			37	35	33	31	29	27	25	23	21	19	17	15	13	11
			33287P	33286P	33283P	33281P	33279P	33277P	33275P	33273P	33271P	33269P	33267P	33265P	33263P	33261P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			8	6	4	2	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			33288P	33286P	33284P	33282P	33280P	33278P	33276P	33274P	33272P	33270P	33268P	33266P	33264P	33262P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			9	7	6	3	1	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			33289P	33287P	33285P	33283P	33281P	33279P	33277P	33275P	33273P	33271P	33269P	33267P	33265P	33263P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			20	18	16	14	12	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			33288P	33286P	33284P	33282P	33280P	33278P	33276P	33274P	33272P	33270P	33268P	33266P	33264P	33262P
			STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR	STAR
			19	17	15	13	11	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			31729	31730	31731	31732	31733	32507N	32509N	32511N	32513N	32515N	32517N	32519N	32521N	32523N
			M	M	M	M	M	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			CM 35	CM 36	CM 37	CM 38	CM 39	25	27	29	31	33	35	37	39	41
			31728	31726	31724	31722	31720	32508N	32510N	32512N	32514N	32516N	32518N	32520N	32522N	32524N
			M	M	M	M	M	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			CM 34	CM 32	CM 30	CM 28	CM 26	26	28	30	32	34	36	38	40	42
			31727	31725	31723	31721	31719	32519N	32521N	32523N	32525N	32527N	32529N	32531N	32533N	32535N
			M	M	M	M	M	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			CM 31	CM 29	CM 27	CM 25	CM 23	31	33	35	37	39	41	43	45	47
			31220	30984	30986	31717	31718	32520N	32522N	32524N	32526N	32528N	32530N	32532N	32534N	32536N
			SPIKE	K	K	M	M	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC	KAC
			2	CM 20	CM 18	CM 23	CM 24	30	32	34	36	38	40	42	44	46
			ALSO 30720													
			30941K	30943	30945	32531N	32533N	32535N	32537N	32539N	32541N	32543N	32545N	32547N	32549N	32551N
			CM 17	CM 19	CM 21	KAC 49	KAC 51	KAC 53	KAC 55	KAC 57	KAC 59	KAC 61	KAC 63	KAC 65	KAC 67	KAC 69
			30940	30938	30936	32534K	32536N	32538N	32540N	32542N	32544N	32546N	32548N	32550N	32552N	32554N
			CM 14	CM 12	CM 10	KAC 54	KAC 56	KAC 58	KAC 60	KAC 62	KAC 64	KAC 66	KAC 68	KAC 70	KAC 72	KAC 74
			30939	30937	30935	32537N	32539N	32541N	32543N	32545N	32547N	32549N	32551N	32553N	32555N	32557N
			CM 13	CM 11	CM 9	KAC 83	KAC 85	KAC 87	KAC 89	KAC 91	KAC 93	KAC 95	KAC 97	KAC 99	KAC 101	KAC 103



R.S. Adams

BOUNDARY OF SILVER-X INTERNATIONAL MINES LTD. CLAIMS

AREA OF GEOCHEMICAL SURVEY



DOLMAGE-CAMPBELL & ASSOCIATES CONSULTANTS
VANCOUVER, CANADA

SILVER-X INTERNATIONAL MINES LTD.
VANCOUVER, CANADA

Mc BRIDE RIVER AREA

KAC 8
ADJACENT CLAIMS

SCALE 1" = 1/2 mile

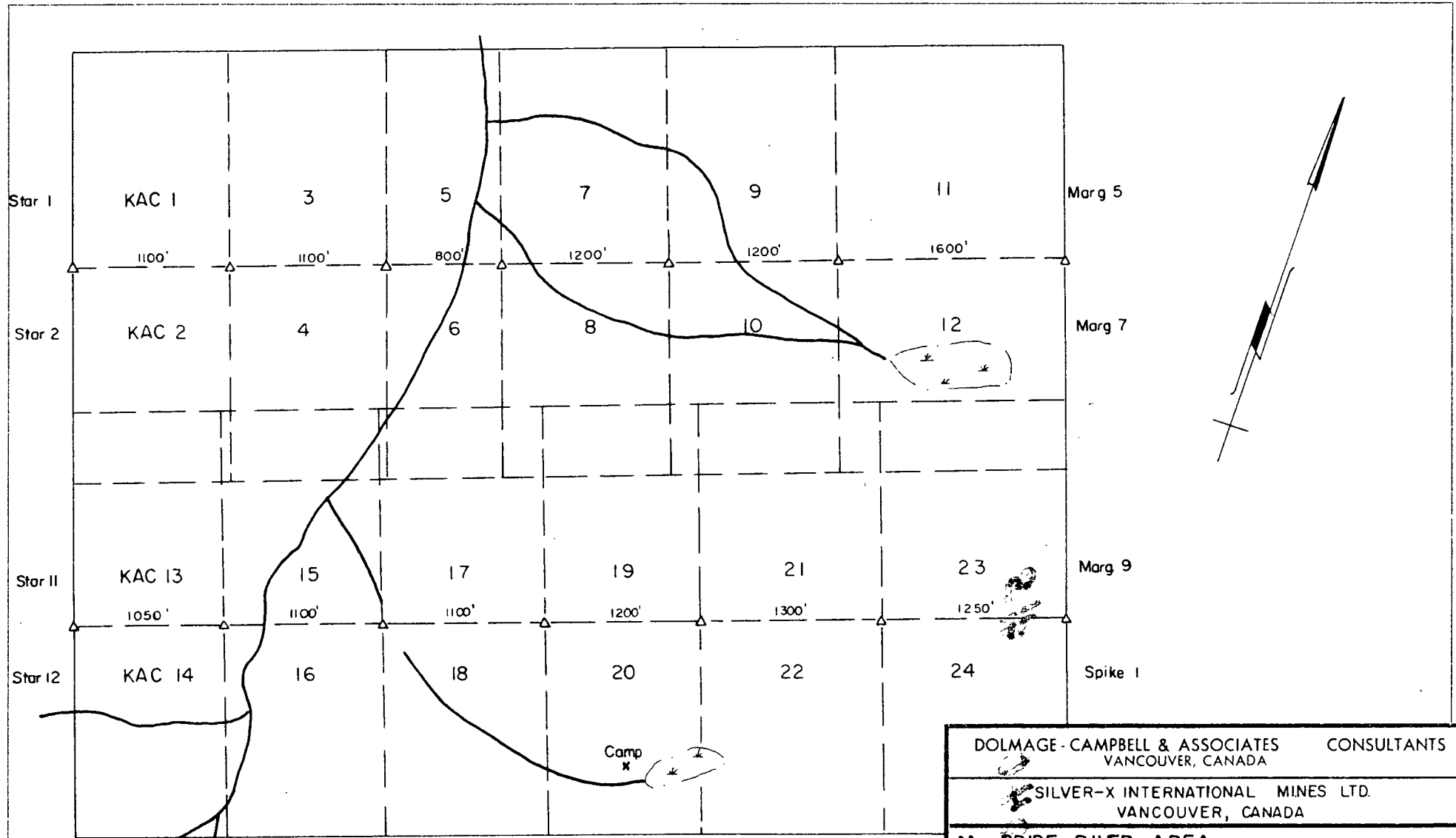
OCT 22, 1969

FIG 69-6

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NO. **2040** MAP **#2**





show distances between claim posts.



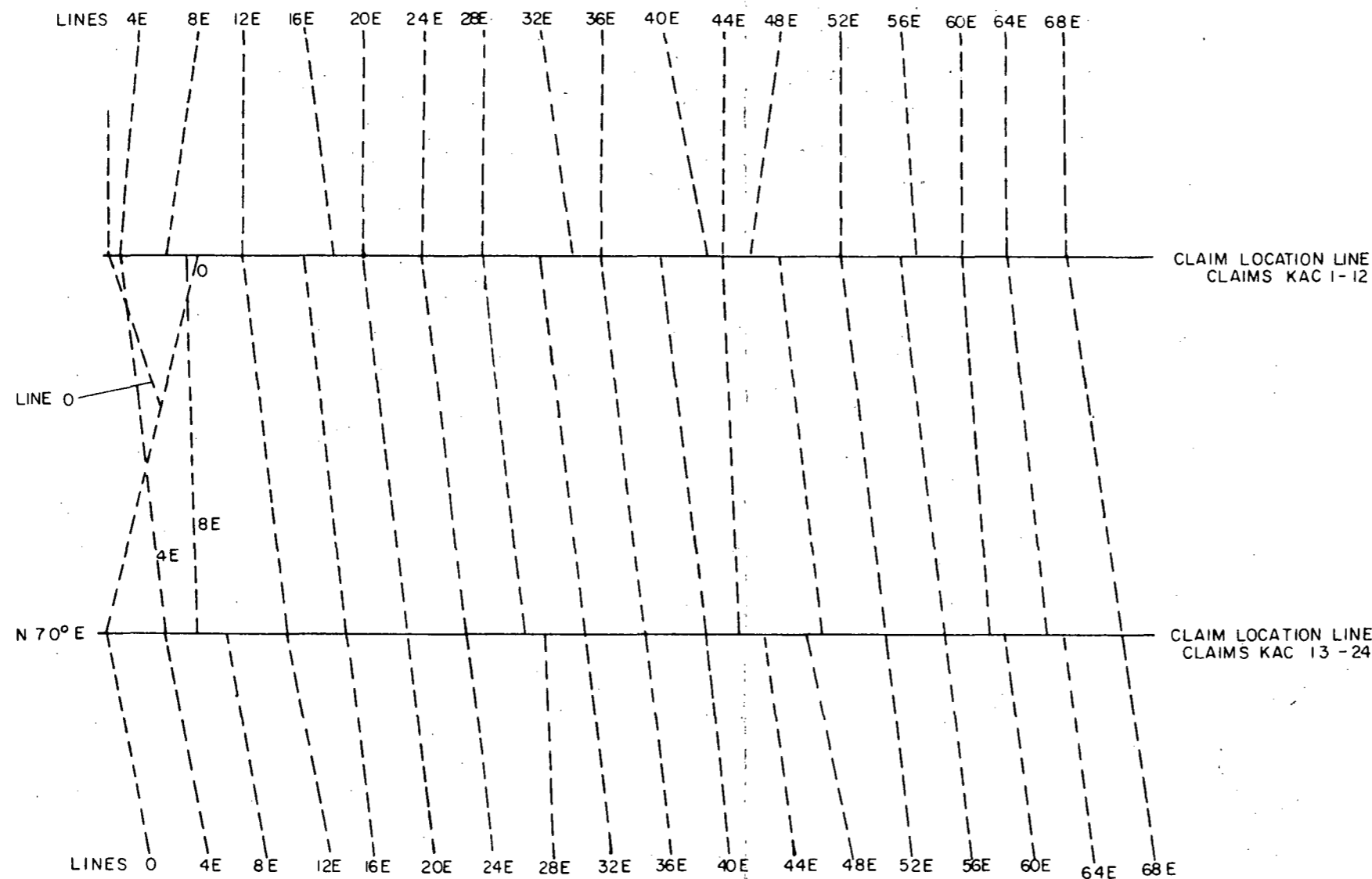
R. S. Adamson

DOLMAGE - CAMPBELL & ASSOCIATES VANCOUVER, CANADA		CONSULTANTS
SILVER-X INTERNATIONAL MINES LTD. VANCOUVER, CANADA		
Mc BRIDE RIVER AREA		
CLAIM MAP		
SCALE: 1" = 1000'	OCT. 22, 1969	FIG. 69-7

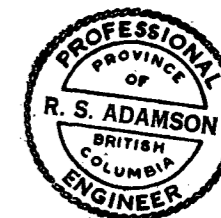
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2040 MAP #3

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **2040** MAP **#4**



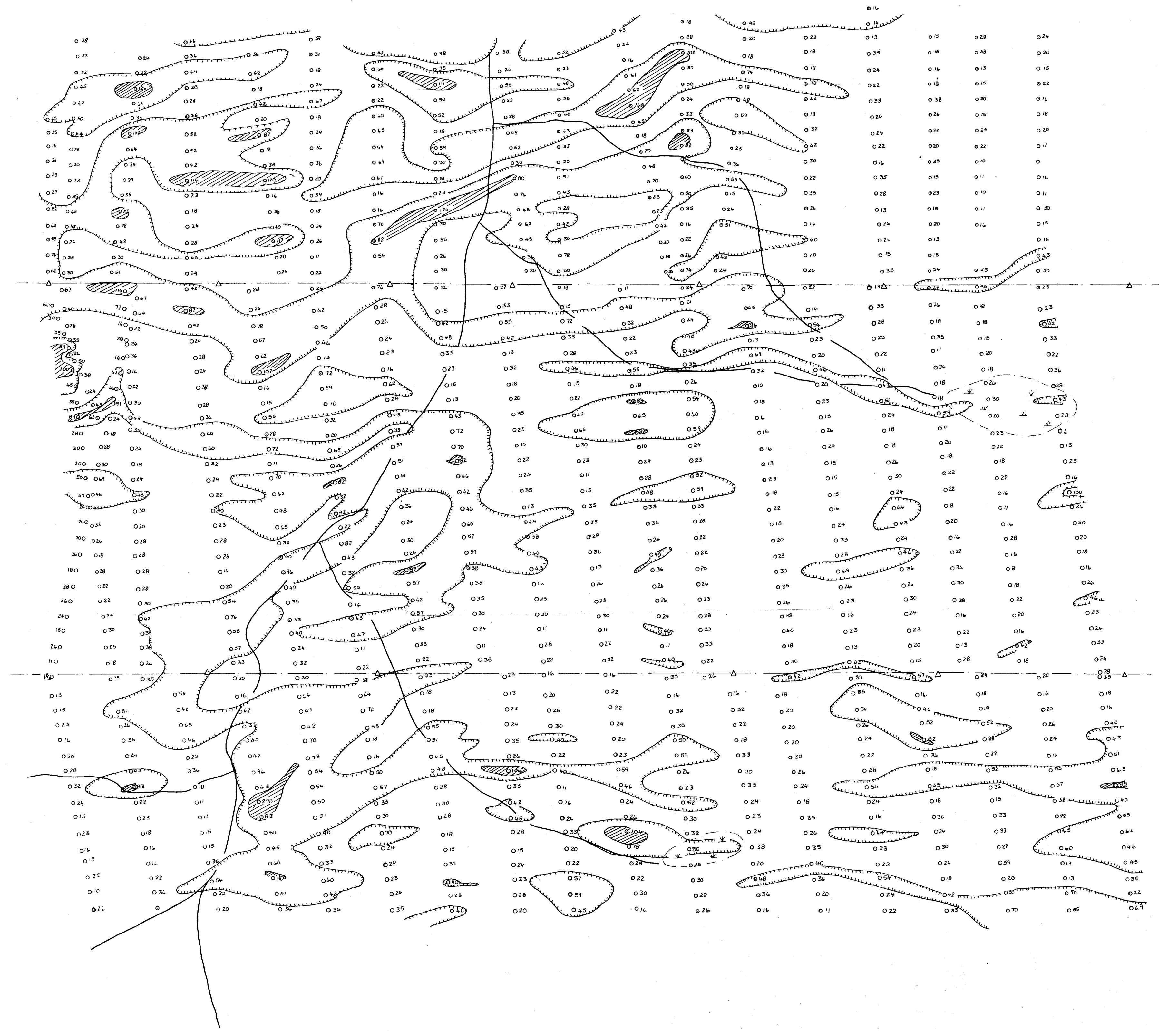
NOTE: DATUM POINTS ('0') ARE WEST ENDS OF CLAIM LOCATION LINES.



2040 *R.S. Adamson*

DOLMAGE-CAMPBELL & ASSOCIATES CONSULTANTS VANCOUVER, CANADA		
SILVER-X INTERNATIONAL MINES LTD. VANCOUVER, CANADA		
McBRIDE RIVER AREA		
GEOCHEMICAL SURVEY GRID		
SCALE: 1" = 1000'	OCT. 22, 1969	FIG. 69-8

0 LINE 4 E LINE 8 E LINE 12 E LINE 16 E LINE 20 E LINE 24 E LINE 28 E LINE 32 E LINE 36 E LINE 40 E LINE 44 E LINE 48 E LINE 52 E LINE 56 E LINE 60 E LINE 64 E LINE 68 E LINE



Department of
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ASSESSMENT REPORT
NO. 2040 MAP #5

2040



R. S. Adamson

LEGEND	
	40 - 79 ppm COPPER
	OVER 80 ppm COPPER
	SWAMPY AREA
	CLAIM POST

DOLMAGE-CAMPBELL & ASSOCIATES CONSULTANTS
VANCOUVER, CANADA

SILVER-X INTERNATIONAL MINES LTD.
VANCOUVER, CANADA

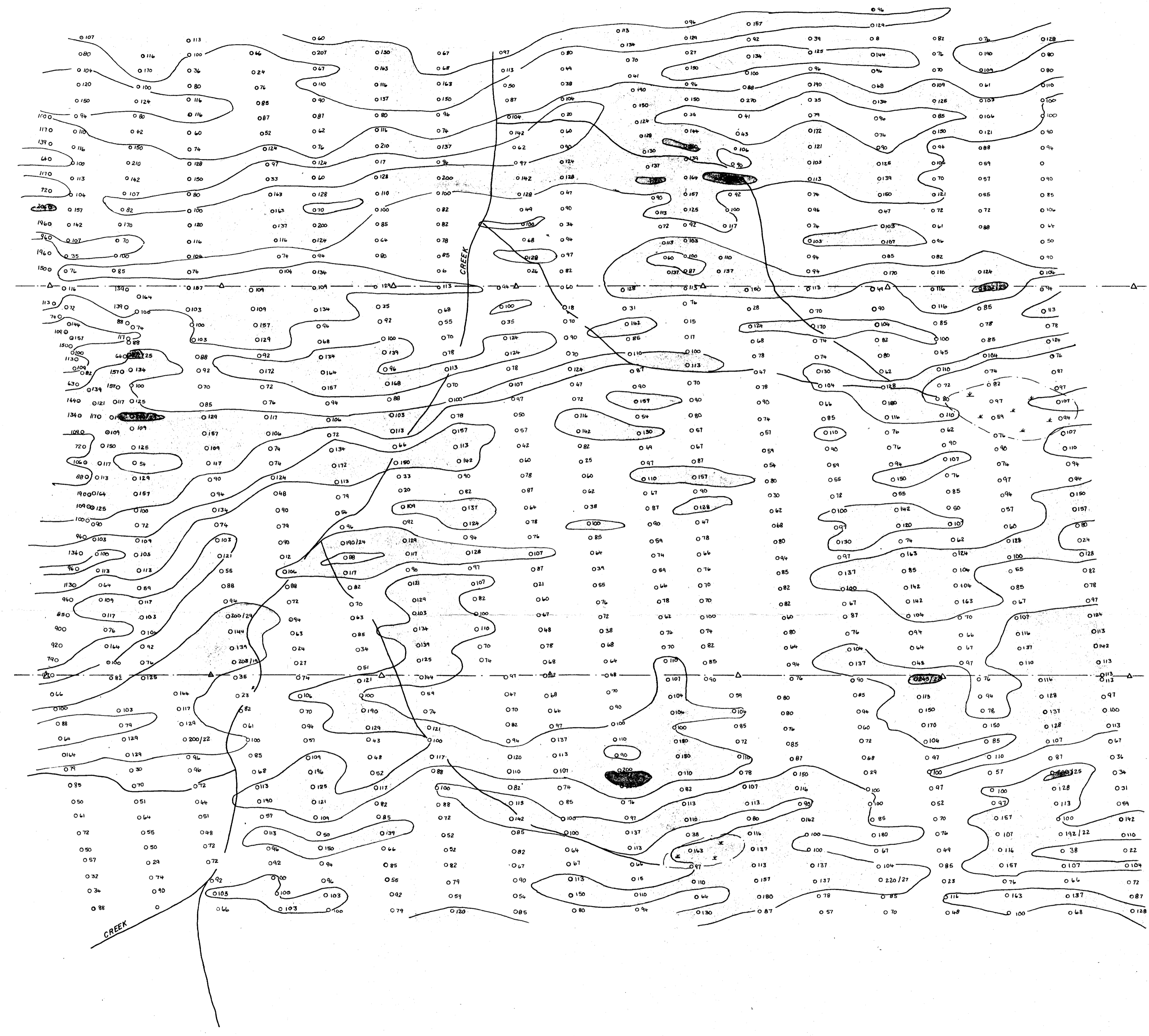
McBRIDE RIVER AREA

GEOCHEMISTRY (COPPER)

KAC CLAIMS 1-24

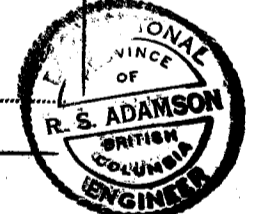
SCALE: 1" = 400' SEPTEMBER, 1969 FIG. 69-9

0 LINE 4 E LINE 8 E LINE 12 E LINE 16 E LINE 20 E LINE 24 E LINE 28 E LINE 32 E LINE 36 E LINE 40 E LINE 44 E LINE 48 E LINE 52 E LINE 56 E LINE 60 E LINE 64 E LINE 68 E LINE





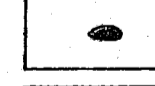
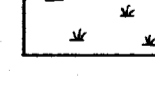
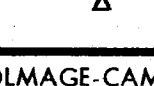
Department of
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ASSESSMENT REPORT
NO. 2040 MAP #6

2040



R.S. Adams

LEGEND

-  100-199 ppm ZINC
-  200-299 ppm ZINC
-  OVER 300 ppm ZINC
-  SWAMPY AREA
-  CLAIM POST

DOLMAGE-CAMPBELL & ASSOCIATES CONSULTANTS
VANCOUVER, CANADA
SILVER-X INTERNATIONAL MINES LTD.
VANCOUVER, CANADA

McBRIDE RIVER AREA

GEOCHEMISTRY (ZINC)

KAC CLAIMS I-24
SCALE: 1" = 400' SEPTEMBER, 1969 FIG. 69-10