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ROSS RIVER 1980

CORDILLERAN SEDIMENTS RECONNAISSANCE STREAM SEDIMENT PROGRAM ROSS RIVER AREA YUKON TERRITORY JULY 18 TO AUGUST 14, 1980

NTS 105G 14, 15, 16
105J 2, 3, 6, 7

E.P. Dillon
November 1980

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SUMMARY AND RECOMMENDATIONS

The results of the 1980 reconnaissance stream geochemical program in the Ross River area shows 12 anomalous areas. Three of the anomalies, A, B and E have sufficient sample coverage to permit the outline of areas for ground acquisition. Areas for ground acquisition are recommended for these three anomalies. The remaining nine anomalous areas are recommended for detailed follow up programs for the 1981 field season. Expansion of the present reconnaissance area is also recommended for the 1981 field season.

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	LOCATION, ACCESS AND TOPOGRAPHY	1
3.0	LAND SITAUTION AND EXPLORATION ACTIVITIES	2
4.0	METHOD OF INVESTIGATION	3
5.0	GENERAL GEOLOGY	4
5.1	UNIT 1 PROTEROZOIC	4
5.2	UNIT 2 MIDDLE AND UPPER CAMBRIAN	5
5.3	UNIT 3 ORDOVICIAN AND SILURIAN	5
5.4	UNIT 4 SILURIAN AND DEVONIAN	5
5.5	UNIT 5 UPPER DEVONIAN TO MISSISSIPPIAN	6
5.6	UNIT 6 MISSISSIPPIAN	6
5.7	UNIT 11 CRETACEOUS	6
5.8	UNIT 14 TERTIARY	6
6.0	REGIONAL STRUCTURE AND METAMORPHISM	7
7.0	INTERPRETATION OF GEOCHEMICAL RESULTS	9
7.1	DISCUSSION OF ANOMALOUS AREAS	9
8.0	CONCLUSIONS AND RECOMMENDATIONS	
APPENDIX 1	LIST OF DATA	
APPENDIX 2	LIST OF SHOWINGS	

LIST OF FIGURES

FIGURE 1 LOCATION OF SURVEY AREA

FIGURE 2 ACQUISITION RECOMMENDATIONS ANOMALY A

FIGURE 3 ACQUISITION RECOMMENDATIONS ANOMALY B

FIGURE 4 ACQUISITION RECOMMENDATIONS ANOMALY F

LIST OF TABLES

TABLE 1 SUMMARY OF STATISTICS

LIST OF PLATES

105	G	14	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V
105	G	15	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V
105	G	16	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V
105	J	2	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V
105	J	3	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V
105	J	6	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V
105	J	7	1	SAMPLE LOCATIONS
			2	Cu-Pb-Zn
			3	Ag-Ba-V

1.0 INTRODUCTION

A total of 560 Stream Sediment Geochemical samples were collected during a helicopter supported Reconnaissance Program in the Ross River Area, Yukon Territory, between July 18 and August 14, 1980.

This survey was conducted by Edward P. Dillon (Project Geologist), Paul Matysek and Steve Riddell (Senior Assistants); and Lorne Burden, Mark Langdrige and Neil Gilbert (Junior Assistants).

The 5096 km^2 survey area comprised NTS, 1:50,000 scale, map sheets 105G/14, 15, 16 and 105J/2, 3, 6, 7. Sample density averaged 1 sample per 9.1 km^2.

Helicopter support for this survey was provided by Shirley Helicopers, Edmonton, Alberta, on a full time contract basis. Bell 206 A and B Jet Ranger machines were utilized throughout this survey. Helicopter fuel was supplied by Yukon Aviation Productions, Watson Lake, Yukon Territory.

2.0 LOCATION, ACCESS AND TOPOGRAPHY

The survey area is located in east-central Yukon Territory, approximately 40 km S.E. of the town of Ross River (Fig. 1).

Longitudies 130° 00' and 131° 30' and latitudes 61° 45' and 62° 15' form approximate boundaries to the survey area.

Throughout the duration of this survey the crew was based at the Welcome Inn, Ross River, Yukon.

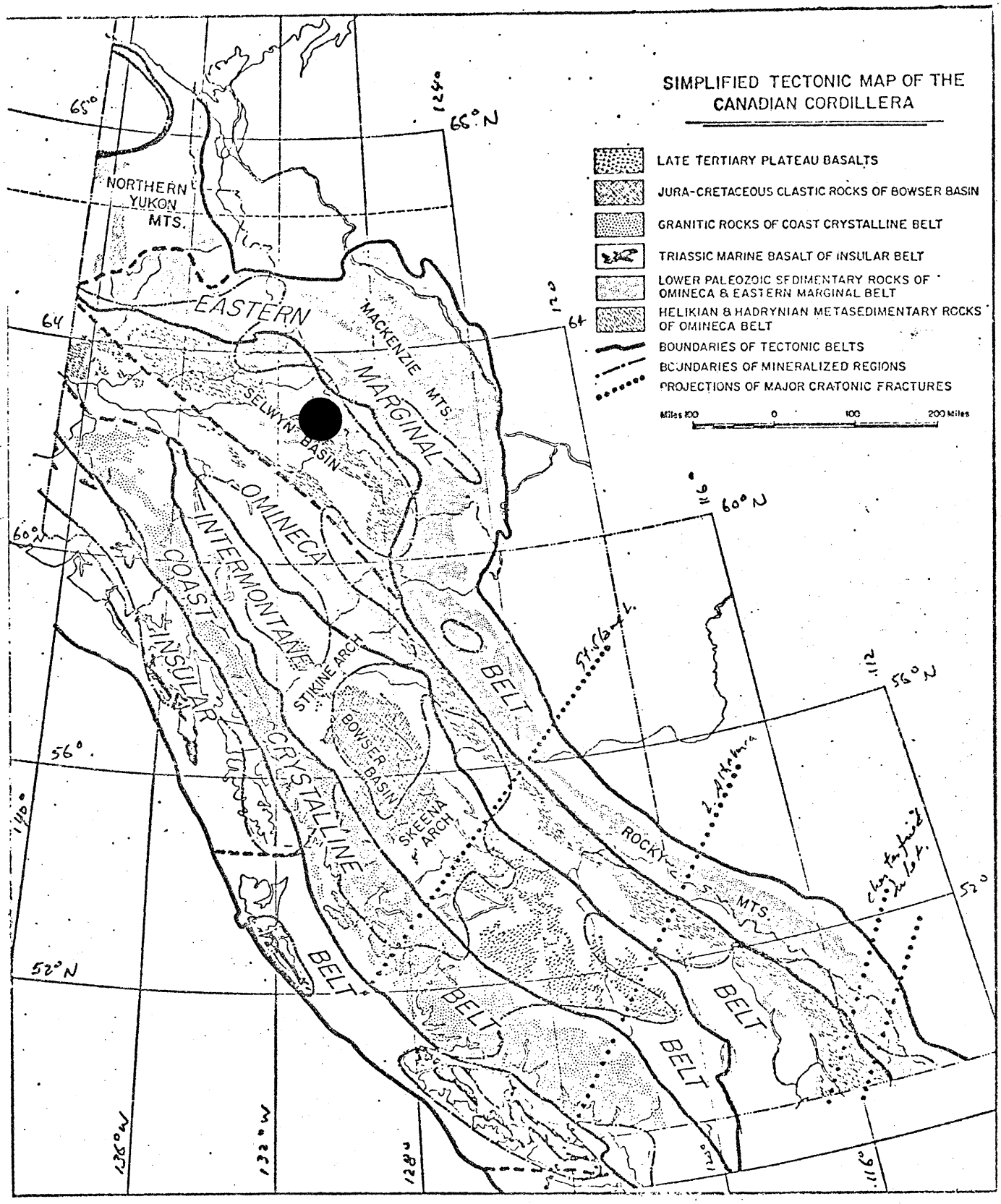


FIGURE 1 LOCATION OF THE SURVEY AREA

Minimal access to the survey area is provided by the Robert Campbell highway and the North Canol road which cut through the southern edge and north west corner of the survey area respectfully. The larger lakes within the survey area (McEvoy, Fortin, Raider, Jackfish) are accessibly by float equipped aircraft. Approximately 90% of the survey area is only accessibly by helicopter from Ross River.

The topography within the area is moderate with most of the hilltops rounded and the major valleys being fairly broad. Ranges in elevation are moderate with maximum relief, north of McEvoy Lake (105G 16) being 760 m.

3.0 LAND SITUATION AND EXPLORATION ACTIVITIES

At the time of this survey, claims covered 5% of the ground in the area. Brinex is presently holding a block of claims on the east side of Fortin Lake (Bob Claims). During the 1980 field season they drilled several holes on their ground and were expected to do further work on their claims in the fall.

Getty Mining Pacific holds a large block of claims on Traffic Mountain, just north of sheet 105G 16, on sheet 105J1. They conducted an extensive soil geochemistry program on this ground during July and August, 1980.

At this time, no other companies have conducted exploration programs in our survey area in the 1980 field season.

All significant showings or properties discussed in Archer Catlro's Northern Cordilleran Inventory are listed in Appendix II.

4.0 METHOD OF INVESTIGATION

A total of 560 stream silt geochemical samples were collected over the 5,096 km^2 survey area. This survey was conducted in 50 crew days from July 18 to August 14, 1980 and employed 165.4 hours of helicopter time.

Samples were collected at 2 to 3 km intervals along major streams and tributaries. Access to sample sites was above average. There was sufficient enough detail in sampling along several drainage systems to allow evaluation of anomalous areas without detailed follow-up; ground acquisition is recommended for these drainages.

Most of the stream sediment sampling was performed by tow man sampling crews. "chopper-hopping" in which two crews would be set out at different sample stations and then moved to subsequent sample stations separately was employed. Maximum utilization of the helicopter was realized.

At each sample station the silt, from several different locations in the stream bed, was wet seived through a twenty mesh stainless steel seive into a small pan. Approximately 1.5 to 2 kilograms of silt was taken at each sample station.

The -20 mesh silt was transferred to, prenumbered 5" x 7", wet strength kraft sample bags and stored in the cargo compartment of the helicopter prior to return to camp. The sampled were then dried and shipped to Min En Laboratories, 705 West 15th Street, North Vancouver, B.C.

Sample preparation consisted of oven drying of the entire sample and then passing the sample through a series of heavy liquids. The resultant Heavy Mineral Concentrate (HMC), with a specific gravity of 3.1 g/cc or higher, was then dried, weighed, subjected to conventional hot acid digestion and analyzed for Cu, Pb, Zn, Ag, Mo, As, Au, Ba, V, Mn, Fe by Atomic Adsorption Spectroscopy.

5.0 GENERAL GEOLOGY

The general geology of the Ross River area consists of a thick north-west trending sequence of quartzites, black shales and cherts with minor carbonates and volcanics, ranging in age from proterozoic to Tertiary. The black shales and cherts range in age from Ordovician to Mississippian. The total thickness of this sequence is approximately 7,500 m (Green & Roddick, 1960).

5.1 UNIT 1 PROTEROZOIC

The lower part of Unit 1 consists of a thick sequence of quartz pebble quartzite with interbedded dark shale and slate. This quartzite unit is overlain by a sequence of green, maroon and dark grey to black shales, phyllite and limy shale. The upper part of this sequence is composed of thick bedded, coarsely crystalline, white weathering, grey to dark grey limestone.

5.2 UNIT 2 MIDDLE & UPPER CAMBRIAN

This unit is best exposed along a NW trending ridge north of McEvoy Lake. It consists of fine grained, lustrous weathering, grey to orange, phyllite with minor limestone, chert and phyllitic quartzite.

5.3 UNIT 3 ORDOVICIAN & SILURIAN

This unit consists of a thick assemblage (approx. 3000 m) of interbedded shales and cherts. The cherts are dark grey to black in colour and some weather white along bedding planes. The shales are dark grey to black and contain varying amounts of interbedded chert. In general, the lower part of this unit is dominantly shale, the upper part dominantly chert.

5.4 UNIT 4 SILURIAN & DEVONIAN

The cherts and shales of Unit 3 are overlain by approx. 1000 m of dolomite, slate and quartzite.

The basal 300 m consist of sandy and silty dolomite with minor interbedded red slate. This grades upward into approximately 100 m of thick bedded, dark grey, dolomite.

The Middle Member consist of 300 m of interbedded dolomitic sandstone and quartzite.

The upper 300 m of this unit is composed of medium bedded, dark grey to black dolomite which contains mid devonian fossils (Roddick, 1960).

5.5 UNIT 5 UPPER DEVONIAN TO MISSISSIPPIAN

Unit 5 uncomformably overlies Unit 2 and Unit 4 rocks within the survey area. It consists of approximately 2,100 m of black slaty shale and sandstone with interbedded chert pebble conglomerate, chert, limestone and quartzite.

5.6 UNIT 6 MISSISSIPPIAN

In the SW corner of sheet 105G 14, a small zone of Unit 6 rocks is exposed. These rocks consist of fine grained, foliated, pale to medium green volcanic rocks.

5.7 UNIT 11 CRETACEOUS

Rocks of Unit 11 outcrop in the area north of McEvoy Lake (105G 16). They consist of medium grained biotite granodiorite which has been silicified.

Where these rocks intrude the clastic units, thin hornfels and scarn zones occur. These are limited in extent to a few metres.

5.8 UNIT 14 TERTIARY

This unit consists of massive dark green andesite, dacite and basalt flows approximately 1,500 m thick. Individual flows average 3 to 30 m thick. The lower part of this unit is predominantly feldspar porphyritic andesite and basalt. The upper part is dominantly dacite with phenocrysts of quartz and biotite. Pyroclastic units, though present in the upper part of this sequence, are rare.

6.0 REGIONAL STRUCTURE & METAMORPHISM

The general trend of the rock units exposed in the survey area is N.W. with dips to the N.E.

The regional structure of the area can be divided into 6 N.W. trending belts:

1. South of the Tintina Trench (Fault), a broad belt of thrust and block fauled palaeozoic rocks.
2. Highly folded and thrust faulted palaeozoic rocks adjacent to the Tintina Fault.
3. Tintina Fault zone.
4. Metamorphic and grantic rocks with open folding.
5. Broad belt of Mississippian volcanic and clastic rocks.
6. Broad arch of grantic and palaeozoic rocks around McEvoy Lake. (Green and Roddick, 1959).

TABLE 1

SUMMARY OF STATISTICS

Element	Mean (M)	Standard Deviation	M+2SD
Cu	85.6	63.9	213.5
Pb	62	54	170
Zn	410	298	1006
Ag	1.66	1.08	3.83
Ba	27519	40325	108169
V	81	58	197

7.0 INTERPRETATION OF GEOCHEMICAL RESULTS

Table 1 is a summary of statistical calculations performed on the data for the Ross River area. During the interpretation of the results, the mean plus 2 standard deviation values (M+2SD) were taken as threshold values. All values greater than M+2SD are anomalous.

The results of the 1980 Regional Stream Sediment survey of the Ross River area are compiled on 1:50,000 map sheets in the rear pocket of this report. The anomalous areas are indicated on the maps by letters A through M and will be discussed under these headings in the following section.

7.1 DISCUSSION OF ANOMALOUS AREAS

ANOMALY A

Anomaly A is located approximately 10 km north of the east end of McEvoy Lake (105G 16). Two highly anomalous samples (#'s 963 and 980) containing 3300 ppm Zn, 300 ppm Pb; and 1,480 ppm Zn and 1,470 ppm Pb respectively occur in streams draining unit 5 black siliceous shales in contact with Unit 2 phyllite and phyllitic quartzite. The most anomalous of these 2 samples is from a major creek below an exposure of Unit 5 shales.

ANOMALY B

Located in the central part of NTS sheet 105J 7, Anomaly B is indicated by anomalous samples from 4 streams draining a ridge of Unit 3 (Ordovician and Silurian) cherts and shales north of Raider Lake. Samples from the 2 streams draining the south side of the ridge (#'s 804 and 805) contain 1980 and 1,525 ppm Zn.

The former also contains 830 ppm Pb and 27 ppm Ag. Samples (#'s 838 and 839) from two streams draining the north side of the ridge returned values of 970 ppm Zn, 130 ppm Pb and 1,050 ppm Zn and 105 ppm Pb.

ANOMALY C

This anomaly is located near the east central part of NTS Sheet 105J 2. Sample #526, located in a stream which drains an exposure of Unit 5 clastics returned values of 5,970 ppm Zn, 2,800 ppm Pb and 15.0 ppm Ag. South of this area, 2 samples (#549, 550) continue 1,070 and 1,200 ppm Zn. These latter samples occur in streams draining Unit 5 clastics exposed on the opposite side of the Pelly River.

ANOMALY D

Anomaly D is located on the east-central part of Sheet 105 J 7. In this area a series of samples taken from streams draining a broad zone of Unit 3 cherts and shales returned values of 1,050 to 1,500 ppm Zn.

ANOMALY E

Located in the N.W. corner of Sheet 105 J 7, Anomaly E is very significant. Two samples (#'s 851 and 854) taken from streams draining a ridge of Unit 3 shales and cherts returned values of 2,025 ppm Zn and 2,400 Zn. Other samples taken in this area returned anomalous Zinc values in the 1,100 to 1,500 ppm range.

ANOMALY F

This anomalous area is located in the N.W. part of sheet 105G 14. In this area a sample containing 4,100 ppm Zn and 405 ppm Cu was taken from a stream draining a ridge of Mississippian (?) volcanics. This area certainly deserves follow up work, however, it may be expedient for Project Greenstone west to take a close look at this area.

ANOMALY G

Located in the west central part of map sheet 105 J **3**, this anomalous area is indicated by two anomalous samples in streams draining an apparent contact zone between Unit 5 clastics and Unit 14 (Tertiary) volcanics. Samples 670 and 671 returned values of 2,550 ppm Zn and 2,240 ppm Zn respectively.

ANOMALY H

Three samples taken in the S.W. corner of Sheet 105 J 6 returned values of 2,100 ppm Zn, 1,800 ppm Zn and 1,430 ppm Zn. These samples were taken in streams draining Unit 5 shales and cherts near the contact with overlying Tertiary volcanics of Unit 14. The highest of the zinc values (spl #775, 2,100 ppm Zn) occurs in a sample taken in a stream cutting good exposure of Unit 5 shales.

ANOMALY J

Anomaly J is located in the north central part of Sheet 105 G 16. Samples 967 and 968, taken from streams draining Unit 5 clastics returned values of 1,120 ppm Zn and 1,420 ppm Zn.

ANOMALY K

This anomalous area is situated approximately 4 km SSE of Anomaly J. Sample 983, taken from a stream draining Unit 2 (Cambrian) phyllites in contact with a cretatceous granodiorite intrusion, returned a value of 2,000 ppm Zn. Two showings (#58 and 59) occur on the ridge south of the anomalous sample.

The showings are described in Appendix II.

ANOMALY L

Anomaly L is located in the N-West part of sheet 105 G 15. In this area, a broad zone of Unit 5 cherts and shales is drained by a series of streams, samples from which returned values ranging from 1,000 ppm Zn to 1,240 ppm Zn.

ANOMALY M

Located in the East-Central part of Sheet 105 G 14, Anomaly M is indicated by 2 anomalous samples (#'s 489, 490) taken in streams draining Unit 5 clastics near its contact with Unit 6 volcanics. These samples returned values of 1,650 ppm Zn and 2,000 ppm Zn respectively.

8.0 CONCLUSIONS & RECOMMENDATIONS

The Ross River area is by far the most successful area of the areas surveyed during the Cordilleran Sediments Regional Geochemical Program of 1980.

A total of 12 anomalous areas have been outlined based upon the results of the 1980 Field Program. Of the 12 anomalous areas discussed, the writer recommends the acquisition of property, as soon as possible, in anomalous areas A, B and E. Figures 2, 3 and 4 illustrate the three prime anomalous areas with recommended acquisition areas.

The writer recommends that someone from Project Greenstone West proceed with follow up work on Anomaly F.

The writer also recommends detailed follow up stream sediment sampling and prospecting in anomalous areas C, D, G, H, J, K, L and M during the 1981 field season.

Tying in with follow up and property work in 1981, the author recommends expanding the present reconnaissance coverage, in the Ross River area, to include NTS 1:50,000 scale map sheets 105 J 1, 4, 5, 8, 9, 10 and 11.

Respectfully submitted,
Edward P. Dillon



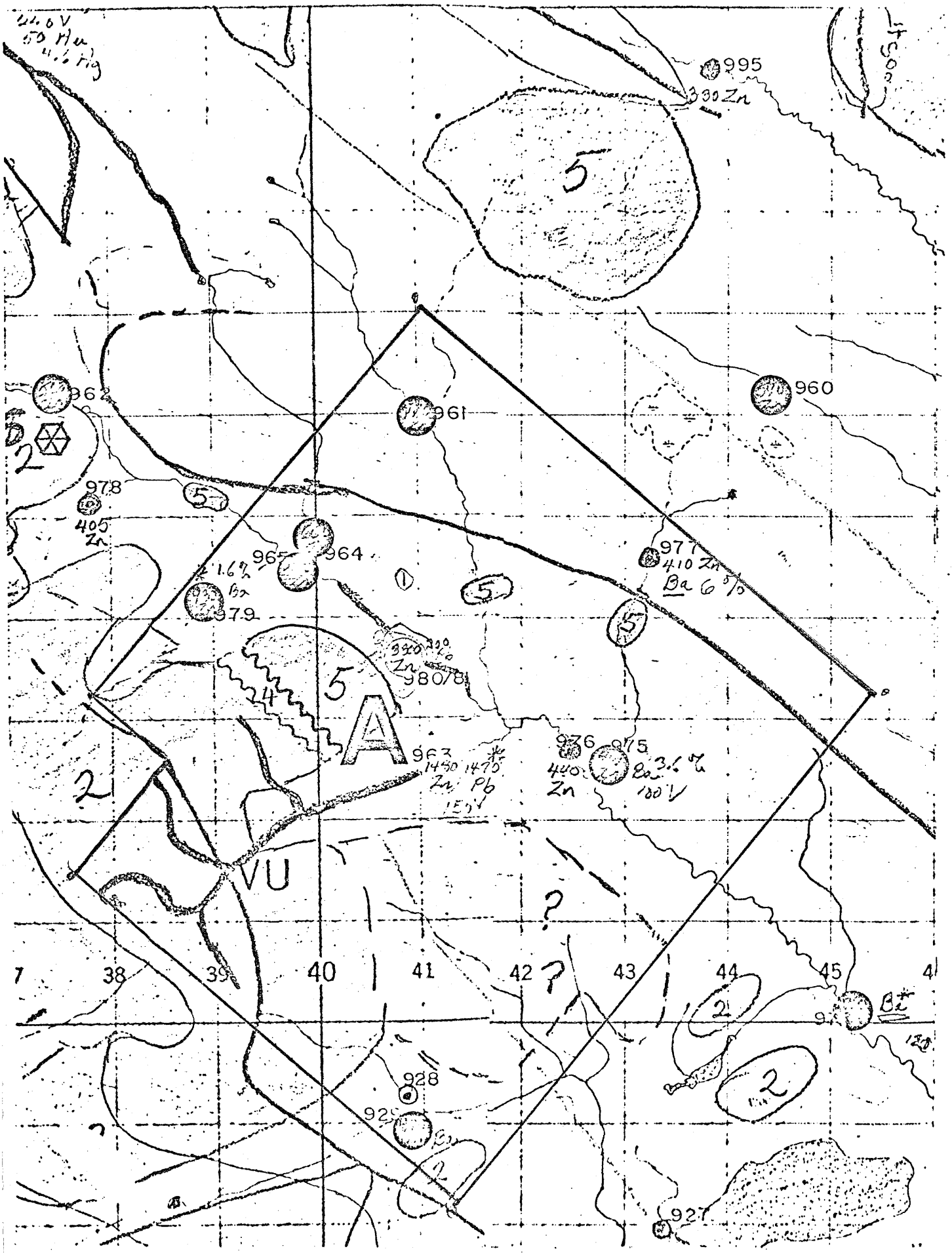


FIGURE 2 PROPOSED GROUND ACQUISITION
ANOMALY A, 150 CLAIMS

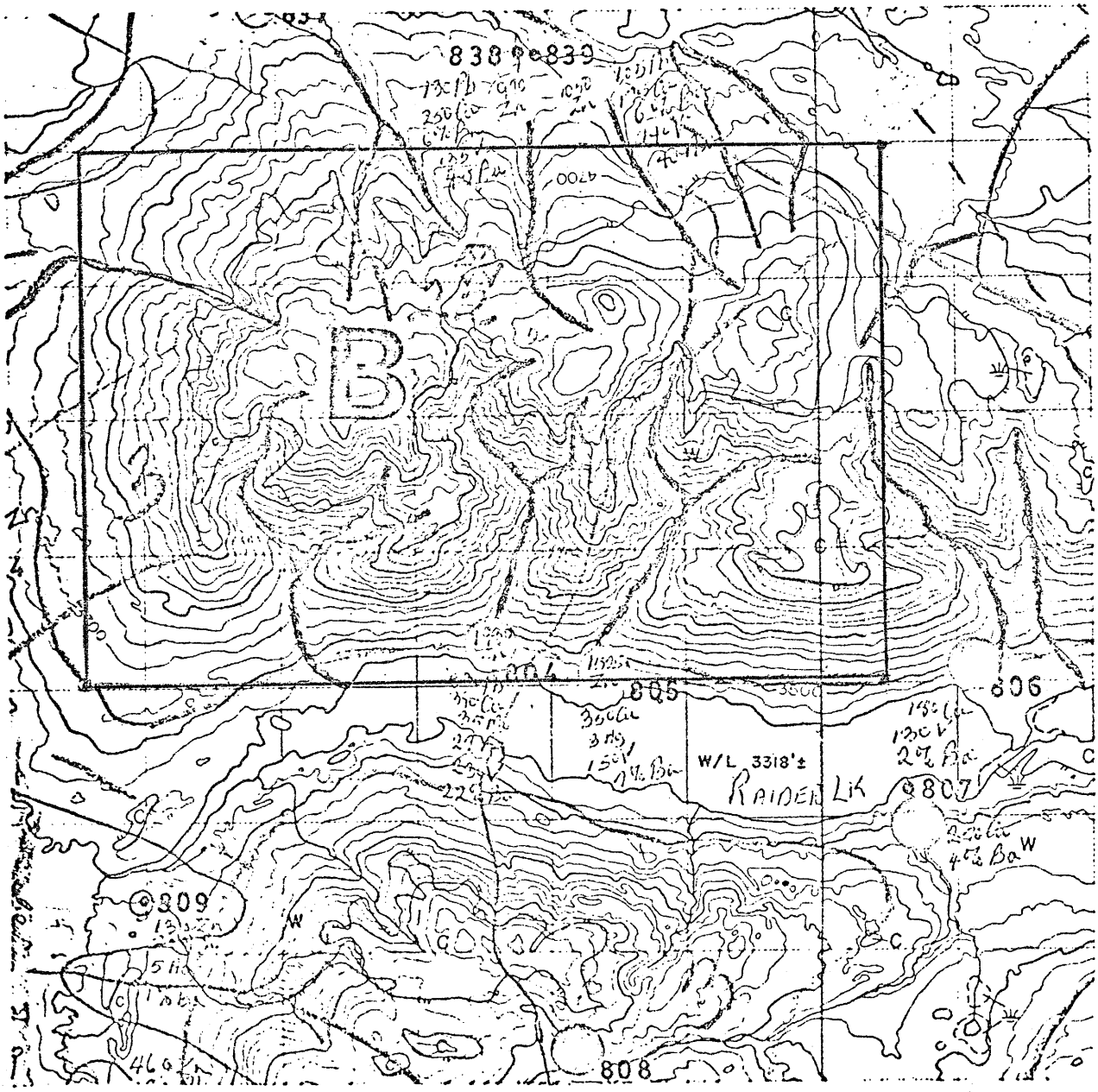


FIGURE 3 PROPOSED GROUND ACQUISITION
ANOMALY B, 96 CLAIMS

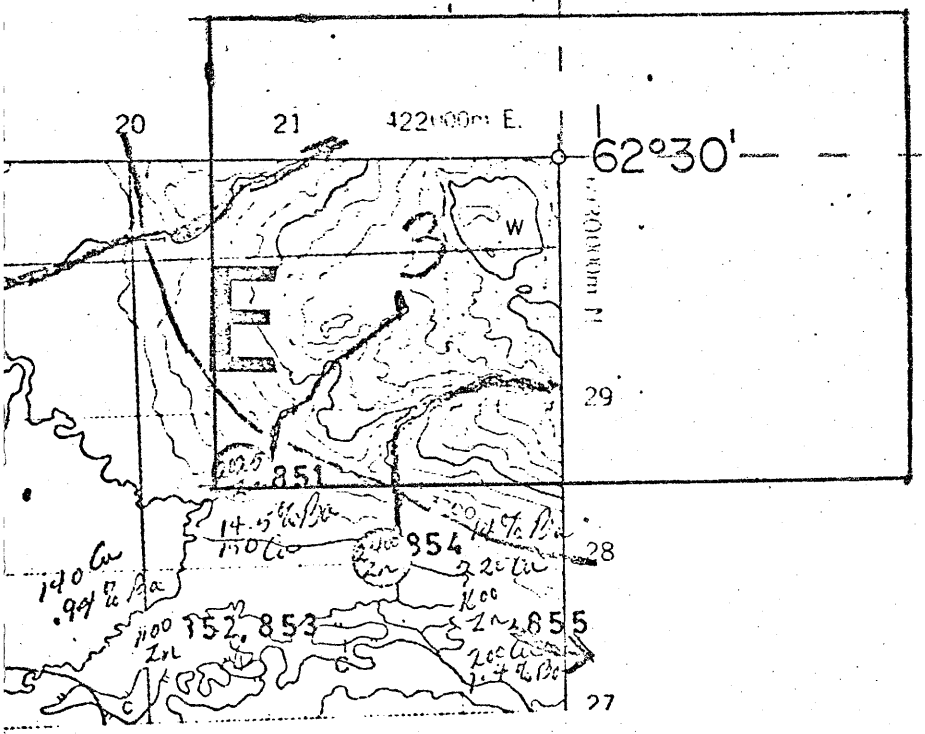


FIGURE 4 PROPOSED GROUND ACQUISITION
ANOMALY E, 54 CLAIMS

LIST OF REFERENCES

Green, L.H. and Roddick, J.A., 1960, GSC Map 12 - 1961, Sheldon Lake, Yukon Territory

Green, L.H. and Roddick, J.A., 1959, GSC Map 8 - 1960, Finlayson Lake, Yukon Territory

Roddick, J.A., 1960, Parts of Geology - G.S.C. Map, 12 - 1961

APPNENDIX 1

LIST OF DATA

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

PROJECT No.: AFE 0421 EAC 08115 — Non Mag Heavy Mineral — DATE: Aug. 20 1980.

ATTENTION: E. P. Dillon

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
					Mo										
CS80-445	1	20	6	35	3	1	3	2000	1	18	100	10	5200	75	0.18
446	1	80	40	660	20	1	50	5000	1	39	650	15	3600	50	0.15
447	1	48	36	550	20	1	40	1200	1	67	890	15	2000	45	0.23
448	1	22	34	270	5	1	25	4000	1	31	815	20	6600	60	0.55
449	1	48	48	305	25	1	30	8000	1	41	1100	10	2400	35	0.42
450	1	56	45	325	10	1	30	8000	1	7	1180	15	4000	40	0.50
451	1	50	52	370	12	1	35	8000	1	19	1080	25	2000	55	0.46
452	1	30	45	410	15	1	20	7500	1	6	1450	20	8400	90	0.38
453	1	140	88	910	20	1	30	2600	1	16	2600	15	7600	30	0.11
454	1	40	40	300	30	1	40	8000	1	53	1400	10	2200	35	0.32
455	1	60	40	280	20	1	40	4000	1	65	1700	20	5800	25	0.35
456	1	115	40	1350	10	1	45	4600	1	61	2450	40	6760	45	0.65
CS80-457	1	180	17	320	10	1	30	8100	1	307	1380	30	6570	25	0.07
CS80-458	1	95	64	468	3	1	47	7400	1	56	950	5	8200	15	0.37
459	1	91	56	373	2	1	28	6900	1	10	1515	15	4160	25	0.41
460	1	50	35	225	2	1	12	6250	1	96	1500	10	3600	30	0.12
461	1	27	30	103	4	1	17	3970	1	42	780	25	5150	35	0.66

GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.: AFE 0421 EAC 08115

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag Heavy Mineral

DATE: Aug. 2 1980.

ATTENTION: E. P. Dillon

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
462		81	40	324	3		1	64900		66	1215	10	40000	30	0.2
463		25	35	350	2		1	30000		227	1500	15	57000	20	0.0
465		28	40	463	3		1	90750		47	1200	10	14400	35	0.1
CS80-465		20	25	400	2		1	57000			1000	10		40	0.0
CS80-466		150	10	800	4		0	295000		360	1000	25	15200	95	0.1
467		255	20	350	4		0	774000		60	900	20	17200	100	0.3
468		91	210	390	14		2	099500		124	770	25	28000	150	1.1
CS80-469		120	100	350	5		1	211000		100	500	30	27000	140	0.4
CS80-470		70	50	750	15		3	510000		244	1150	40	16200	20	0.4
471		90	80	475	12		3	310700		94	1620	20	6500	85	0.9
472		75	35	300	10		1	575000		81	980	25	14600	80	0.3
473		54	48	190	10		1	550000		75	950	15	17000	25	0.4
474		45	15	560	20		2	368000		79	1100	15	12400	40	0.3
475		90	18	750	20		2	385000		146	1130	15	10600	20	0.3
476		80	45	440	10		2	580000		72	1630	15	12200	55	0.4
477		36	45	330	10		3	061000		142	720	20	10200	85	0.3
478		37	24	287	15		1	360000		46	960	10	24300	40	0.9
479		44	30	270	1		1	660000		27	1100	10	48000	35	0.8
480		60	30	350	20		5	088000		123	1850	20	10800	25	0.2
481		73	54	380	15		3	688000		128	1100	10	9750	25	0.5
482		38	32	300	15		3	071000		70	1250	20	30000	40	0.4
483		33	57	210	15		3	085000		12	1570	30	25000	45	0.5
484		180	85	415	20		3	695000		150	2020	15	11500	25	0.2
485		82	35	300	12		2	384000		55	1180	10	10600	65	1.5
CS80-486		100	70	380	50		3	010000		61	2080	30	30800	70	0.9

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COMPANY: [illegible]

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag
Heavy Mineral

FILE No.: [illegible]

DATE: Sept. 1980.

Sample Number	Cd ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	H.M. %	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
CSS0-487		52	80	221	8	0.82	2	27500		101	1120	30	120	26000	2
488		75	55	310	2	0.38	1	8	75000		90	1000	15	100	33000	2
489		250	150	1650	5	0.32	1	6	13500		53	1700	20	130	35000	225
490		160	260	2000	15	0.65	7	5	16000		89	1410	30	250	11000	30
491		26	45	150	5	0.65	1	2	5100		4	570	20	180	10500	90
492		27	30	105	6	0.74	0	7	5970		21	730	25	240	21400	6
493		22	19	102	3	1.02	0	6	5390		6	650	5	200	2100	3
494		35	20	78	3	2.84	0	7	6100		14	1000	10	215	5400	10
495		19	50	140	4	5.16	0	7	5670		28	1000	10	90	2200	3
496		200	10	400	4	0.07	0	2	6000		1040	250	15	100	12400	1150
497		180	90	1620	20	0.37	1	0	13600		250	1125	15	130	53000	2
498		32	20	69	2	8.29	0	6	4260		12	660	20	135	2300	3
CSS0-499		16	18	83	4	1.54	0	7	4300		12	640	15	160	4300	25

GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.: AFE 0421 FAC 08115

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag
Heavy Mineral

DATE: Aug. 2(
1980.

ATTENTION: E.P. Dillon

Sample Number	Na %	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-500	.48	29	21	4		.05	17000		14	50	20	640	20	6.30
501	.19	103	209	6		.02	27500		31	530	10	1000	45	5.85
502	.16	30	165	15		.20	18000		27	335	35	1400	60	0.56
503	.25	60	178	16		.25	20500		73	465	30	600	180	0.35
504	.28	48	175	9		.09	24500		28	400	10	3880	50	1.82
505	.18	18	220	12		.24	37500		25	570	10	7600	45	0.94
506	.56	62	1050	62		.46	92500		91	1130	15	3840	95	0.37
507	.60	18	320	12		.31	106000		14	2150	15	2030	30	0.45
508	.55	60	535	45		.45	95000		121	1820	15	3460	55	0.38
CS80-509	.65	45	526	16		.17	135000		59	1570	10	6900	65	0.53
CS80-510	1.05	85	670	4		.14	102000		156	2760	10	1800	80	0.22
511	.78	43	375	8		.22	75000		47	1475	5	9300	40	0.68
512	.48	30	243	6		.15	58300		43	840	20	4000	45	0.94
513	.69	53	425	4		.16	85100		68	1970	10	7920	75	0.57
514	.35	32	97	5		.08	49700		14	846	10	6100	55	1.03
CS80-515	.77	42	137	2		.15	65500		94	1175	5	2220	45	0.94
CS80-516	.60	30	250	4		.06	84000		80	900	15	8400	150	0.41
517	.40	25	190	3		.05	79000		52	1200	20	26000	130	0.66
CS80-518	1.00	20	340	5		.03	102000		146	1000	25	5200	90	0.31

CERTIFIED BY

COMPANY

PROJECT No.: AFE 0421 FAC 03115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

Non Mag

Heavy Mineral

Z No. C-99

DATE: Sept. 198

Sample Number	Mn pXn	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ni pX	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
CS80-519		50	32	160	5	0.92	13	86600		39	1320	15	130	4800	2
520		78	36	280	6	1.49	03	130000		41	2120	10	140	3150	3
521		54	28	168	2	1.36	09	112000		32	2600	10	120	6900	2
522		150	160	750	4	0.40	12	129000		140	1125	20	160	16000	4
523		90	55	350	4	0.36	11	89000		138	550	40	100	11000	10
524		75	60	160	4	0.25	10	47500		30	500	15	100	25000	6
525		11	9	34	2	2.88	02	10200		12	105	15	30	31500	5
526		850	2800	5970	45	0.44	150	850000		1018	9000	35	210	30000	7
CS80-527		220	100	450	8	0.58	35	210000		156	550	35	150	12000	9

COMPANY _____ FILE No. 0[illegible]

PROJECT No.: AFE 0421 FAC 08115

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag Heavy Mineral

DATE: Sept. 1980.

ATTENTION: E.P. Dillon

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
CS80-528	1	60	10	200	3	0.28	02	54000		32	600	10	150	12000	65
529	1	60	48	220	3	0.38	03	52500		130	500	10	180	11700	80
530	1	67	45	230	8	0.93	21	86500		67	830	10	180	24500	2
531	1	60	30	540	6	0.33	03	12400		69	1200	10	135	16200	2
532	1	150	12	450	3	0.21	02	11500		320	750	35	120	15200	3
533	1	147	49	340	5	0.50	32	113500		74	975	35	130	13000	2
534	1	210	80	300	8	0.44	04	18600		8	1000	15	135	63000	15
535	1	85	sample	lost	4	0.20	33	118000		120	1650	15	145	53600	—
536	1	110	140	750	10	0.76	20	86600		96	1120	20	100	15500	2
537	1	125	15	1500	6	0.27	03	12400		174	1200	20	130	63500	3
538	1	150	20	1500	5	0.28	03	11700		154	2000	20	130	67000	2
539	1	135	42	235	10	1.28	29	91400		36	800	10	150	5600	4
540	1	20	22	64	4	1.71	04	41800		19	830	15	85	2700	4
541	1	38	30	158	5	1.17	08	73500		38	1750	10	120	9300	2
542	1	85	65	325	4	0.37	04	10600		160	2100	25	60	11200	2
543	1	68	52	290	4	0.80	06	91700		77	1360	15	55	14300	12
544	1	40	40	255	2	0.61	09	55500		64	1160	25	45	32000	2
545	1	47	31	132	3	0.93	15	60400		29	990	20	130	14900	2
546	1	24	21	100	3	1.96	09	51700		23	980	25	200	12000	2
547	1	100	10	800	3	0.10	05	11000		440	500	30	150	13100	2
548	1	60	10	220	3	0.27	03	62500		266	700	20	140	50000	2
549	1	116	78	1070	23	1.00	19	127500		170	780	35	230	60000	2
550	1	250	10	1200	9	0.20	01	23000		666	1100	15	200	14000	2
551	1	110	72	290	15	1.54	12	13500		31	1450	15	100	4100	4
552	1	104	48	378	12	0.83	19	93500		89	750	20	150	61000	3
553	1	272	65	1050	12	0.55	24	215000		165	1800	25	200	52000	5
554	1	64	54	150	4	0.48	05	58000		60	535	10	100	6700	3
555	1	50	15	200	5	0.25	03	56600		147	1500	15	120	16300	2
556	1	77	35	225	4	0.51	05	84300		125	1125	20	170	51000	3
CS80-557	1	64	70	300	8	0.49	26	93400		100	1000	35	150	54000	2

COMPANY

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

Heavy Mineral

DATE: Sept. 12 1980.

Sample Number	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	H.M. %
CS80-558		63	20	250	8	0.35	03	76300		40	1000	45	100	3900	0.5
CS80-559		70	50	800	5		30	100000		59	2100	20	80	56000	0.37
560		60	60	220	6		20	68400		114	800	15	45	22000	0.58
561		75	140	782	12		25	199000		56	5000	40	200	104000	1.14
562		80	100	540	13		25	132000		85	1620	10	150	36000	0.50
563		100	60	990	10		25	149000		46	1500	10	60	12000	1.16
564		150	90	390	7		26	128000		62	1275	15	85	48000	0.42
565		160	80	440	8		33	132000		177	825	200	75	40000	0.54
566		120	55	655	6		60	152000		323	1200	20	45	nes	0.13
567		90	65	270	8		48	150000		200	1120	15	30	16800	0.27
568		95	50	475	10		25	130000		30	1375	20	50	36000	0.25
569		150	80	920	10		20	129000		74	1500	15	85	24000	0.32
570		140	90	300	12		07	103000		48	1050	35	40	15000	0.44
571		112	32	220	15		15	73500		44	1650	20	35	20000	0.60
572		25	25	210	15		25	61300		70	850	30	40	32000	0.25
573		65	45	295	16		28	345000		16	380	40	80	12800	0.39
574		58	48	290	13		08	29800		20	200	50	70	40000	3.48
575		55	25	260	16		15	48800		31	225	25	50	38000	0.61
576		40	15	230	15		10	38700		8	165	25	60	40000	0.83
577		38	32	315	12		20	39100		56	500	35	80	64000	0.46
578		100	25	300	16		33	81500		219	1400	40	35	54000	0.21
579		120	20	140	11		07	84700		32	115	25	30	5600	0.85
580		80	80	670	8		20	124000		62	1625	35	90	68000	0.59
581		75	35	225	12		13	56600		53	705	25	80	20000	0.86
582		85	45	925	8		17	128000		74	1300	30	110	64000	0.53
583		70	100	1050	10		28	154000		47	2025	30	200	72000	0.53
584		80	95	545	12		25	122500		36	1450	25	180	14400	0.49
585		80	90	495	10		25	128500		48	1750	30	150	66000	0.39
586		220	100	585	9		24	170000		33	800	80	80	16000	1.21
CS80-587		85	65	960	52		38	183400		76	775	25	120	80000	0.52

CONTRACT

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

P.O. No. 0-0

DATE: Sept. 1980

Heavy Mineral

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	H.M %
CS80-588		35	40	450	4		2.0	12,800		44	1800	10	25	14400	0.2
589		45	35	320	5		2.0	11,500		125	1500	10	30	5400	0.2
590		130	72	655	20		1.8	12,000		81	1250	10	75	10000	1.5
591		120	46	565	12		2.8	12,200		68	1150	15	80	68000	0.8
592		110	56	390	15		2.5	13,100		100	1400	30	80	52000	0.5
593		200	80	1100	14		2.7	15,600		96	1650	10	120	116000	1.1
594		60	40	520	8		4.0	10,400		32	1000	10	75	68000	0.1
595		25	36	260	6		1.5	8,650		13	1050	5	115	52000	0.3
596		45	35	470	5		1.1	13,200		80	2200	10	110	16000	0.2
597		30	40	612	10		2.0	5,800		128	1600	10	50	nss	0.1
598		85	80	570	5		2.0	21,000		400	1750	10	60	2600	0.1
CS80-599		120	60	740	4		4.0	24,000		186	3300	15	30	1500	0.2

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E. P. Dillon

Non Mag

Heavy Mineral

DATE: Aug. 1980

Sample Number	Mn ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-621		19	45	106	3		13	15600		54	660	25	10400	60	0.4
622		78	38	417	18		23	11300		51	3570	5	9100	80	1.1
623		24	35	149	5		18	55400		24	2080	5	2800	35	0.4
624		63	80	205	4		15	35700		45	1665	15	54000	45	0.3
625		23	40	262	2		14	35000		74	500	10	7600	60	0.2
626		33	50	186	3		12	55800		88	1800	15	4600	45	0.2
627		32	30	137	2		12	37500		60	1050	20	3000	60	0.3
628		128	35	900	5		14	77900		63	1630	10	22400	80	0.2
629		38	95	1000	3		13	72100		38	1680	10	24000	35	0.3
630		104	59	1240	27		28	90500		75	1090	25	45700	135	1.1
631		242	140	1140	3		16	92800		67	1285	15	48000	60	0.2
632		120	120	280	2		13	25000		550	550	10	12000	50	0.1
633		68	108	264	5		15	58800		32	350	15	74000	35	0.3
CS80-634		38	62	245	3		19	40400		70	1900	5	16000	40	0.5

COMPANY

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E. P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag
Heavy Mineral

DATE: Aug. 2
1980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
631		242	140	1140	3		1.6	92800		67	1285	15	48000	60	0.20
632		120	120	280	2		1.3	25000		550	550	10	12000	50	0.12
633		68	108	264	5		1.5	58800		32	350	15	74000	35	0.31
CS80-634		38	62	245	3		1.9	40400		70	1900	5	16000	40	0.57
CS80-635		75	60	295	6		2.6	86000		120	450	20	18500	160	0.66
636		80	70	300	6		3.4	73000		108	1550	40	28000	200	0.68
637		430	340	870	9		5.2	122000		90	1660	35	65000	120	1.73
638		490	185	790	5		2.9	108000		114	810	20	46000	150	1.12
639		126	25	550	5		0.6	130000		186	1800	20	14500	155	0.30
640		180	20	850	3		0.2	140000		428	1900	35	12000	165	0.22
641		36	28	110	2		0.9	62500		14	870	20	3700	230	4.34
642		405	15	410	4		0.2	200000		909	1760	20	6100	200	0.21
CS80-643		44	28	158	5		1.0	53800		17	660	10	6700	180	2.18
CS80-644		25	40	65	4		1.5	63500		19	300	10	1300	100	0.37
645		30	45	165	3		6.0	72200		33	450	20	1600	120	0.23
646		75	50	525	8		3.0	91000		78	1350	10	9000	100	0.33
647		105	45	425	5		2.3	115000		146	1250	15	8800	60	0.26
648		200	200	525	15		3.2	112000		160	850	20	17200	130	0.77
649		80	95	180	10		1.1	116000		71	725	5	5400	150	0.45
650		150	130	735	20		2.0	121000		116	800	10	7800	140	0.64
651		48	80	200	10		3.2	64700		43	600	40	16000	80	0.48
652		75	50	465	24		2.5	63700		33	725	20	16000	60	0.52
653		60	50	140	10		4.0	66700		62	660	20	32000	75	0.28
654		55	60	135	8		1.2	60700		48	685	10	36000	90	0.43
655		38	55	305	6		1.2	34300		27	300	10	13200	50	0.44
656		85	35	525	5		2.5	140000		167	500	10	14800	100	0.16
657		70	55	480	15		1.5	110000		84	1250	20	16800	90	0.13
658		40	45	220	12		3.5	111000		200	600	60	9000	45	0.19
659		75	100	620	25		7.5	173000		527	875	25	13000	50	0.53
660		35	120	360	10		2.2	103000		50	900	15	12000	40	0.29

COMPANY

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No

PROJECT No.: AFE 0421 FAC 08115

DATE: Sept. 1

ATTENTION: E.P. Dillon

Heavy Minera 11 980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-662	180	46	420	22		25	17500		130	800	10	4200	155	0.63
663	150	60	350	12		15	10800		314	570	225	1850	180	1.03
664	no	sample												
665	190	160	385	12		31	13200		285	860	15	13600	150	0.80
666	56	90	290	9		32	71700		96	920	10	7350	140	0.72
667	70	140	305	8		14	91000		43	940	15	6800	180	0.45
668	90	35	220	10		40	58000		20	700	10	nes	90	0.13
CS80-669	20	20	260	15		07	30500		4	620	10	25000	75	0.92
670	130	270	2550	25		14	84000		70	1190	10	57000	90	0.39
671	70	150	2240	20		15	96000		8	1200	10	31000	85	0.37
672	60	30	230	15		10	65500		11	880	10	23000	100	0.28
673	90	20	260	10		20	71400		18	950	10	17600	110	0.19
674	50	50	335	9		17	78300		48	960	15	28000	130	0.70
675	24	18	218	4		08	27300		21	550	5	8750	110	3.02
676	60	25	400	4		30	95400		10	200	10	36000	120	0.32
677	780	8400	4630	3		220	14800		120	650	100	4500	40	50.11
678	160	2360	1320	4		45	79600		135	580	330	4300	60	7.63
679	90	690	3430	3		27	58400		54	540	25	1700	50	2.62
680	30	70	81	3		09	38200		33	380	10	1000	35	4.22
681	75	400	3160	4		15	59000		32	630	10	1500	60	1.83
682	160	230	1660	3		22	78400		2	600	10	2300	40	1.57
683	80	115	307	4		09	69000		37	620	5	1000	80	3.33
684	24	150	230	3		10	50000		31	380	10	8400	140	3.02
685	100	90	850	8		24	104000		12	2050	35	5700	90	0.27
686	55	45	390	6		20	98500		39	1300	25	20000	80	0.31
687	80	35	550	8		28	117000		27	1700	15	56000	80	0.33
688	35	50	395	9		26	114000		8	1100	10	36000	80	0.43
689	65	25	400	6		24	108000		48	1125	15	22000	90	0.26
690	25	36	390	5		14	108000		7	1540	10	42000	110	0.40
CS80-691	70	70	360	7		20	96000		108	2000	10	12400	80	0.26

COMPANY: [illegible]

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE NO: [illegible]

PROJECT No.: AFE 0421 FAC08115

DATE: Sept. 1

ATTENTION: E.P. Dillon

Heavy Mineral 980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-692		80	25	200	8		10	60500		106	750	15	18000	40	0.29
693		60	30	280	8		20	71000		11	1200	20	28000	30	0.29
694		45	20	120	4		30	26100		15	600	30	6000	40	0.22
695		35	40	210	6		30	70700		139	1050	25	13000	80	0.41
696		30	45	150	5		20	57500		20	800	20	19000	90	0.30
697		60	50	270	4		10	98000		20	1900	25	24000	80	0.30
698		45	20	240	4		15	98500		14	1850	15	26000	40	0.23
CS80-699		40	25	100	3		08	50600		7	650	20	17400	75	0.43

COMPANY:

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag
Heavy Mineral

FILE No.

DATE: Sept. 2
1980.

Sample Number	Mn ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-7 00		80	25	520	4		0.2	21200		157	1200	15	60000	75	0.23
7 01		145	75	450	4		0.2	12500		171	1200	10	70000	60	0.24
7 02		125	180	485	9		1.0	12400		58	1350	15	185000	85	0.64
7 03		160	60	340	8		2.0	10000		50	800	20	66000	75	0.27
7 04		75	40	385	8		0.5	11800		10	875	10	52000	55	0.34
7 05		85	160	1350	48		2.2	16700		64	1840	10	20000	140	1.05
7 06		100	120	825	20		1.7	85500		28	900	30	140000	120	0.93
7 07		50	50	275	25		1.5	83300		2	750	10	60000	95	0.45
7 08		50	60	900	10		1.0	95500		109	1000	10	28000	75	0.21
7 09		65	70	755	15		1.1	66500		64	710	25	160000	95	0.49
7 10		12	90	1100	7		0.7	43300		19	2090	10	200000	50	1.28
7 11		65	30	255	5		0.5	10500		103	650	15	44000	85	0.31
7 12		27	40	300	15		3.0	91500		68	1020	25	18000	90	0.56
7 13		10	30	175	25		2.5	61700		34	840	10	24000	85	0.56
7 14		60	45	400	10		0.5	78700		47	1200	20	10000	60	0.79
7 15		10	70	210	12		1.4	97200		11	1260	15	2000	85	0.51
7 16		200	80	490	8		5.6	107000		88	2480	15	15000	90	0.54
7 17		75	40	130	6		0.5	48500		27	840	10	12000	60	0.82
7 18		40	35	520	10		1.0	122000		153	700	10	13000	80	0.39
7 19		120	135	660	12		2.3	152000		143	1120	25	26000	90	0.92
7 20		20	30	165	10		1.5	56500		52	825	20	10000	55	0.31
7 21		50	40	800	10		0.5	150000		120	1500	15	48000	90	0.20
7 22		420	170	1630	25		8.0	38800		179	4600	20	12000	130	0.40
7 23		5	10	55	7		0.5	15000		9	150	25	80000	60	1.24
7 24		45	20	400	6		1.5	70300		32	500	20	22000	85	0.34
7 25		45	25	110	5		1.0	60100		1	1380	20	12000	70	0.94
7 26		100	60	270	5		1.0	100000		176	800	20	30000	45	0.40
7 27		380	45	1000	10		2.5	196000		300	800	15	82000	40	0.27
7 28		15	10	165	5		1.5	45500		73	300	20	10000	50	0.32
CS80-7 29		40	15	275	22		0.2	92100		273	1250	15	13000	45	0.32

COMPANY: Gulf Minerals Canada

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Non Mag
Heavy Mineral

FILE No. 0-0[illegible]

DATE: Sept. 2 1980

Sample Number	Mx ppm	Cu ppm	Pb ppm	Zn ppm	Mx ppm Mo	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-730		50	60	235	80		13	75000		64	1050	15	24000	80	0.79
731		59	70	253	10		14	62200		34	960	20	21000	70	1.53
732		100	220	300	25		130	100000		21	500	25	25000	60	0.56
733		65	125	330	20		13	88200		61	1250	15	17000	75	0.62
734		50	75	205	15		19	72800		40	900	20	16000	80	0.50
735		110	500	575	10		19	81200		95	1260	15	15000	75	0.50
736		125	250	390	16		21	103000		235	1480	25	18000	75	0.65
737		125	80	225	18		06	90200		85	1200	20	14000	65	0.41
738		80	100	221	10		10	70000		53	900	35	12000	60	1.01
739		180	145	650	15		21	123000		298	900	30	73000	90	1.02
740		90	110	376	25		16	117000		59	1430	35	22000	100	0.95
741		30	50	105	15		04	55600		39	780	25	6000	40	0.51
742		62	50	186	5		05	53000		64	620	35	44000	50	1.76
743		35	45	125	6		02	48300		29	565	25	20000	45	1.06
744		25	30	87	5		04	40000		8	525	15	6000	40	1.31
745		35	23	86	5		07	38000		39	720	10	1500	35	3.01
746		50	60	175	10		13	55600		44	800	15	17000	40	0.41
747		70	75	217	8		28	51900		52	560	20	48000	65	0.49
748		65	65	324	5		22	120000		58	1260	10	36000	70	0.38
749		105	80	275	10		07	87300		25	1280	10	30000	60	0.41
750		45	55	170	6		24	65000		40	650	15	12000	80	0.69
751		65	85	198	8		16	61100		18	660	10	34000	45	0.31
752		175	90	260	8		07	100000		104	1110	35	13000	85	0.71
753		72	100	364	4		16	104000		83	1200	600	12000	95	0.81
754		55	135	264	3		22	96500		49	1040	25	50000	85	0.3
755		216	175	297	4		04	143000		143	1200	40	12000	70	0.1
756		365	100	310	6		04	105000		76	1750	35	20000	60	0.2
757		275	125	635	8		04	155000		86	2500	25	22000	80	0.3
758		110	75	400	6		16	89700		21	1800	35	12000	120	0.4
CS80-759		77	65	245	5		09	60800		54	1540	20	70000	70	0.5

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 0-04

PROJECT No.: AFE 0421 FAC 08115

Non Mag
Heavy Mineral

DATE: Sept. 25
1980.

ATTENTION: E.P. Dillon

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-760	1.0	3.0	120.0	9		1.2	50000		15	1150	5	240000	90	1.94
761	6.3	3.0	63.0	20		2.1	28600		23	420	10	280000	140	1.14
762	6.6	9.0	49.5	10		0.2	10300		4.3	86.0	10	16500	150	1.06
763	340	10.0	24.0	8		0.7	15300		261	130.0	10	2200	50	1.01
764	4.2	6.0	25.6	20		0.7	6820.0		18	70.0	10	22000	70	0.43
765	2.5	2.5	8.2	5		0.5	40000		14	40.0	5	11500	75	1.34
766	2.5	3.0	10.7	6		0.7	47500		26	725	10	6600	60	1.30
767	2.0	1.5	5.7	6		0.5	22800		18	350	15	7100	70	0.66
768	1.2	1.5	6.5	8		0.3	23300		11	380	10	4650	50	1.76
769	4.2	2.5	11.3	6		0.5	80000		10	193.0	10	24000	110	0.56
770	7.5	4.0	30.0	8		0.2	10000		4.0	50.0	10	nes	60	0.10
771	12.5	2.5	32.5	6		0.2	14800		4.0	250.0	15	8800	55	0.16
772	130	5.0	82.0	12		1.0	13000		5.2	105.0	10	12500	100	0.76
773	17.6	3.5	14.3	10		1.0	20500		8.2	150.0	10	14000	95	0.32
774	350	12.5	45.5	8		7.5	19700		110	800.0	20	13000	100	0.48
775	8.7	8.0	210.0	16		2.4	16000		5.0	63.0	20	18000	80	1.15
776	22.5	7.5	185.0	18		2.5	18500		6.8	155.0	25	13500	170	0.71
777	6.4	1.5	33.6	12		1.8	87700		14	85.0	20	33000	95	0.39
778	8.8	4.0	30.0	10		2.0	10200		3.6	75.0	20	75000	50	0.21
CS80-779	7.5	7.0	39.2	8		0.7	12500		7.2	112.0	15	10800	75	0.46

COMPANY: Gulf Minerals

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Heavy Mineral

FILE No.: [illegible]

DATE: Sept. 1980.

Sample Number	Au ppb	Cu ppm	Pb ppm	Zn ppm	Mo ppm	HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
OS80-780	130	30	925	18	0.69	25	19600		36	1650	25	50360000			
781	78	17	1050	20	0.89	20	42700		51	1540	15	24024000			
782	75	10	315	12	0.22	30	97000		164	800	20	80400000			<
783	35	15	105	14	0.40	15	37000		46	450	15	12013200			<
784	85	50	915	16	0.47	25	17700		96	2150	15	17034000			<
785	100	30	525	25	0.38	32	101000		184	1850	20	18056000			
786	50	15	900	16	1.10	15	35500		32	920	25	27036000			
787	80	50	575	15	0.16	50	11800		200	2500	10	10020000			<
788	75	30	270	6	0.24	30	80000		76	1050	10	13015600			
789	60	15	125	8	0.39	25	53000		23	550	15	130 3000			<
790	50	22	125	7	0.39	30	53000		107	2100	10	145 7500			<
791	60	30	110	6	0.26	32	58500		117	625	5	10013600			
792	100	30	330	9	0.48	30	92000		112	2000	15	13012000			
793	90	70	520	15	0.23	40	13700		352	2650	15	12036000			<
794	80	44	800	25	0.95	16	11300		64	2880	25	15017400			
795	75	35	1505	20	0.77	25	50000		92	2350	20	23012300			<
796	45	38	635	12	0.37	50	85000		50	1550	10	18072000			<
797	120	80	1100	10	0.25	60	11800		352	3000	15	13022000			<
798	140	70	680	20	0.50	70	14300		72	2400	80	15010400			<
799	75	130	460	5	0.07	90	14800		400	3100	15	120 max			

COMPANY: Gulf Minerals

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

Heavy Mineral

FILE No. [illegible]

DATE: Sept. 1

1980.

Sample Number	Co ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
800	85	115	115	6	0.14	60	18[illegible]00		1	750	15	140	nes	nes
801	85	38	285	8	0.31	32	12400.0		120	1625	20	130	[illegible]	3
802	190	40	330	6	0.45	30	15800.0		72	1800	10	130	[illegible]	2
803	100	16	230	8	0.29	50	35000.0		213	825	10	150	[illegible]	2
804	390	830	1960	35	1.96	270	17400.0		100	3600	20	230	[illegible]	12
805	350	65	1525	15	0.61	30	24000.0		176	3300	15	150	[illegible]	<2
806	180	80	510	1	0.42	20	17800.0		120	2000	20	130	[illegible]	2
807	270	27	775	18	2.37	12	9800.0		58	2100	10	190	[illegible]	<2
808	180	40	750	12	0.45	25	16200.0		88	2200	10	130	[illegible]	2
CS80-809	200	45	130	20	0.61	50	15500.0		128	1850	15	200	[illegible]	2

COMPANY: Gulf Minerals Canada

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. U-673

DATE: Sept. 2, 1980.

Heavy Mineral

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	H.M. %
CS80-810		160	170	460	18		2.0	10,500.0		56	500	45	9000	95	0.43
811		45	35	202	8		1.0	6,000.0		32	1200	80	14000	75	0.93
812		85	90	415	10		1.5	9,750.0		62	1900	60	22000	70	1.24
813		190	60	2400	2.6		1.5	25,400.0		70	3200	50	9000	150	1.57
814		55	40	330	6		1.0	6,580.0		38	650	40	17000	110	1.11
815		85	65	560	10		0.6	9,440.0		18	1100	35	24000	100	0.62
816		50	50	315	8		0.8	9,170.0		37	1500	40	10000	130	0.83
817		95	75	800	18		2.0	17,300.0		80	650	20	70000	90	0.52
818		100	100	410	15		0.2	16,000.0		40	900	25	13000	70	0.38
819		60	150	420	10		0.2	17,500.0		240	1000	35	8800	85	0.38
820		55	75	415	9		0.5	9,330.0		91	1100	35	10000	95	0.48
821		75	50	530	8		1.0	9,000.0		160	1100	40	10000	85	0.39
822		120	70	490	9		0.2	13,600.0		108	1300	20	22000	95	0.47
823		95	50	280	10		2.0	7,100.0		204	1500	25	10000	135	0.62
824		60	25	210	6		1.0	3,820.0		52	700	30	11000	90	0.54
825		35	25	200	5		1.0	6,330.0		43	600	35	16800	100	0.49
826		45	30	230	7		0.8	4,780.0		10	600	50	8000	85	0.68
827		135	200	730	12		2.4	15,700		67	2200	25	16400	90	1.22
828		85	80	680	10		1.2	13,600.0		115	900	45	12000	70	0.78
829		60	55	250	8		0.5	8,180.0		55	550	35	7400	50	0.69
830		85	35	310	10		1.2	5,290.0		35	1200	25	5600	60	0.96
831		135	155	520	20		3.0	11,100.0		275	1300	25	5200	70	0.34
832		48	65	260	12		3.0	8,120.0		70	1100	35	8200	80	0.52
833		65	70	380	18		2.0	7,500.0		83	6200	40	9000	85	0.90
834		40	60	190	12		1.0	6,000.0		72	900	10	13000	90	0.39
835		50	60	300	14		1.0	4,000.0		104	500	20	10800	85	0.35
836		65	50	310	9		0.8	8,000.0		86	1000	20	4000	130	0.78
837		55	40	330	6		0.3	8,000.0		56	800	20	5200	120	0.88
838		250	130	970	15		1.5	22,000.0		116	1300	45	64000	135	0.64
CS80-839		175	105	1050	12		1.5	17,000.0		80	1000	40	56000	140	0.61

COMPANY

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

FILE No.:

DATE: Sept. 198

Heavy Mineral

Sample Number	Mn ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm Mo	Cr % ppm HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
CS80-870	30	25	540	10	0.53	16	94200		41	1550	15	9525000			<
871	45	40	205	6	0.73	28	60400		12	1450	25	13054000			<
872	95	32	545	7	0.41	15	13300		7	1800	15	12044000			
873	75	30	490	9	0.68	23	11400		4	2200	20	5514000			
874	72	25	250	9	0.90	10	5940		17	750	15	160	7400		<
875	65	30	425	8	0.48	16	12000		6	1000	20	10010400			<
876	72	40	175	5	0.90	13	8240		4	900	30	100	3400		
877	50	15	110	6	1.71	10	5220		135	675	30	11020000			
878	26	15	105	4	0.81	07	3400		4	630	50	125	4000		<
879	25	16	90	6	1.49	05	3630		3	360	45	55	2800		<
880	30	24	145	7	0.53	06	14700		29	725	25	125	2400		<
881	38	25	125	8	0.93	10	7340		80	1620	45	130	2000		
882	25	25	115	4	1.34	10	5300		51	1340	15	55	2100		
883	130	50	395	6	2.37	09	12600		34	1150	30	50104	00		
884	100	30	815	8	0.60	15	36900		202	900	20	130166	00		<
885	36	36	525	9	1.02	09	37200		57	660	10	20028000			<
886	35	25	305	5	1.20	15	81000		70	900	15	16524000			<
887	50	25	415	4	1.10	13	95500		70	850	10	130	4600		
888	20	24	85	5	1.20	13	54500		35	450	20	230	6200		
CS80-889	35	35	100	4	0.83	12	32000		116	480	10	95	4800		<
CS80-890	65	25	130	9	0.19	33	48400		346	1300	10	15020000			
891	100	100	2100	19	3.02	20	10400		33	820	10	200	3200		1
892	44	55	510	24	1.05	18	64100		9	2400	10	150	2800		1
893	45	25	710	20	0.78	15	7000		80	900	15	20015000			
894	35	20	290	7	2.21	08	37300		17	875	20	85	3400		
895	30	25	145	5	1.95	05	48200		19	540	15	65	1100		
896	50	25	185	8	0.78	08	73000		44	750	15	120	2000		
897	45	15	90	5	0.58	06	28400		53	400	10	100	1700		
898	75	25	250	25	0.92	09	35200		71	260	10	55	5200		2
899	35	40	255	5	1.68	10	38800		10	235	35	75	1400		

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

PROJECT No.: AFE 0421 FAC 08115

DATE: Sept. 1

ATTENTION: E.P. Dillon

Heavy Mineral

1980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
900	30	18	85	4	1.08	08	27600		22	180	15	100	14000		2
901	12	10	61	2	2.73	05	20100		77	600	35	55	2800		5
902	10	8	61	2	3.88	03	25100		10	810	50	50	1400		9
903	80	30	398	9	4.08	19	44400		108	1700	10	75	24000		4
904	48	20	675	15	1.18	08	31600		46	1675	20	200	24000		5
905	36	15	510	16	3.28	08	21300		16	980	25	195	8400		3
906	60	25	550	18	1.71	16	56300		10	1050	15	130	54000		2
907	90	10	160	9	0.76	19	51800		46	650	15	150	8800		2
908	55	25	250	7	1.74	13	47700		29	750	15	120	15000		2
908	40	15	235	5	1.39	09	59000		26	500	10	220	1300		8
CS80-910	75	20	510	10	1.12	13	63700		47	800	20	135	12000		15
CS80-911	33	18	135	8	1.05	06	21900		14	180	10	80	3500		2
912	51	16	370	9	1.28	07	43800		19	360	15	150	5200		2
913	42	25	105	6	1.82	06	41900		13	400	25	110	6300		2
914	28	22	85	4	2.01	05	39300		13	380	20	65	3300		2
915	100	20	520	5	0.28	01	13200		77	300	20	120	4900		9
916	12	18	70	8	0.95	03	28600		10	190	15	90	1700		6
917	31	26	275	17	3.87	06	43000		23	200	10	80	7300		6
918	35	27	135	14	1.07	12	38000		50	250	10	110	2900		2
919	7	22	65	6	1.53	07	43800		35	800	15	120	1900		16
920	7	30	70	9	1.65	06	50700		55	800	15	100	1500		2
921	18	17	85	5	1.70	06	45000		32	180	15	105	1850		2
922	20	22	145	3	2.68	05	32400		30	300	15	75	2000		45
923	29	36	570	4	1.52	05	58600		13	500	30	85	2000		9
924	168	145	880	8	3.09	17	184000		123	2400	10	75	1200		2
925	54	42	315	9	1.01	09	10400		33	900	15	120	1700		2
926	44	42	60	3	7.53	09	30800		20	380	15	60	1200		2
927	33	22	110	4	1.21	05	33300		23	220	10	60	3000		2
928	26	14	37	4	0.54	12	87700		93	450	10	100	1350		13
929	45	48	395	10	0.98	12	66100		48	700	15	80	37500		9

COMPANY

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

Heavy Mineral

DATE: Sept. 1980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
931	75	60	250	10	1.68	12	81800		61	1200	10	80	2100	16
932	11	15	80	4	1.61	03	25300		10	240	10	60	3900	18
933	13	21	95	5	0.96	03	36000		7	300	15	35	9800	8
CS80-934	41	40	315	6	1.68	05	46400		6	350	20	40	4900	2
CS80-935	130	130	290	25	0.35	30	11300		110	1150	15	55	6000	4
936	210	37	510	32	1.95	24	99700		138	400	20	180	1800	2
937	40	17	130	15	2.33	08	55800		31	330	20	140	1200	55
938	32	38	122	8	1.40	08	45500		38	380	15	85	3600	4
939	250	59	760	15	0.52	12	120000		59	2600	20	90	7600	4
CS80-940	24	29	119	3	3.79	07	19100		10	170	15	85	1400	180
CS80-941	32	45	154	6	5.81	07	21100		20	220	5	75	1400	2
942	170	260	1360	120	3.02	42	10800		122	360	5	300	1400	2
943	30	30	85	4	1.25	05	17000		10	120	10	45	1200	4
944	20	50	170	4	0.64	08	89500		64	900	10	90	2000	2
945	42	20	150	3	0.51	05	81700		73	850	20	80	800	20
846	40	45	220	3	0.77	08	83400		20	550	20	45	2000	2
947	60	30	175	10	0.49	10	53800		390	500	10	75	1000	5
948	35	35	325	12	0.21	25	88100		267	1000	25	95	2800	3
CS80-949	140	250	660	10	1.47	24	12400		3	1450	15	180	900	40
CS80-950	140	140	410	8	2.27	19	13900		119	2700	20	60	1600	2
951	152	155	400	9	2.43	18	17400		279	2800	10	75	1200	2
952	245	405	730	12	3.02	33	24300		478	3700	20	125	4700	2
953	137	257	547	6	1.98	21	15400		300	2600	45	65	1250	3
954	172	201	480	4	2.85	15	19400		94	2700	40	75	1200	9
CS80-955	86	145	405	24	1.27	15	25800		154	4000	40	90	1300	30

CERTIFIED BY

COMPANY

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 930-5814

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

DATE: Sept. 12 1980.

Heavy Mineral

Sample Number	Cu ppm	Pb ppm	Zn ppm	Mo ppm	HM%	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
CS80-956	57	125	670	5	0.92	12	97000		31	1200	25	95	1600	2
957	49	60	612	4	1.05	15	110000		13	1600	20	90	1400	2
958	33	35	215	4	1.22	09	67300		18	450	25	75	2000	2
959	31	36	585	5	1.64	06	73300		20	1400	25	45	6600	2
960	71	75	590	8	1.29	10	167000		30	2300	20	50	3200	8
961	48	50	710	9	1.12	13	122000		29	1100	15	55	3200	2
962	53	300	525	15	0.66	26	162000		189	2100	20	80	1600	8
963	144	1470	1480	85	1.43	34	180000		98	2200	20	150	8000	13
964	66	75	660	32	1.97	12	61400		23	950	35	145	2200	9
965	53	90	550	20	1.52	10	62200		35	1100	25	140	1400	23
966	208	95	830	30	1.26	22	120000		77	1400	40	110	4200	18
CS80-967	216	98	1120	20	1.47	24	151000		143	1500	45	100	19200	6
968	269	80	1420	26	1.71	29	168000		162	1700	40	130	84000	12
CS80-969	60	306	330	9	1.22	14	100000		90	1350	5	65	9600	14
970	60	66	455	6	1.42	13	113000		121	3500	35	100	800	13
971	116	220	700	14	1.49	30	122000		163	180	30	90	62000	325
972	10	20	135	4	1.54	06	33300		2	240	20	60	4800	13
973	68	85	750	15	1.33	14	115000		46	1400	25	80	4000	13
974	76	150	760	16	2.01	15	115000		33	1900	15	120	11600	2
975	143	80	815	10	1.23	14	162000		65	1600	25	100	36000	8
976	46	79	440	12	2.72	11	69000		43	1000	30	70	4400	9
977	58	63	410	8	2.63	14	131000		53	2300	25	60	60000	2
978	39	68	405	4	3.26	12	103000		46	2600	10	55	1400	2
979	158	180	930	22	1.97	21	143000		58	2200	25	90	16000	17
980	112	235	3600	20	0.30	35	182000		80	4000	15	55	3200	45
CS80-981	105	360	2700	12	0.32	35	216000		100	2900	20	40	4000	13

COMPX

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

FILE No.

PROJECT No.: AFE 0421 FAC 08115

DATE: Se

ATTENTION: E.P. Dillon

Heavy Mineral 1980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	HM %	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
CS80-982		156	103	770	15	1.08	26	165000		109	1650	30	100	6400	4
983		132	280	2000	51	0.96	46	205000		160	2900	50	240	30000	7
984		74	80	280	8	0.79	20	109000		68	1400	20	88	7600	8
985		42	225	320	16	0.73	12	86500		155	950	10	45	3900	13
986		18	90	160	4	0.75	10	74800		55	1450	15	35	3400	3
987		19	66	130	5	1.01	08	58400		65	950	10	55	3600	2
988		23	79	136	6	0.84	11	54500		31	1300	10	40	3200	2
989		42	44	160	8	1.37	10	59500		89	700	15	45	6400	2
990		52	56	220	3	0.76	16	100000		26	1050	15	60	14600	2
991		21	19	120	2	0.75	09	54300		18	300	10	40	4000	2
992		22	30	128	5	0.74	12	60000		35	380	10	70	7400	13
993		45	97	275	20	1.21	05	145000		84	1050	15	80	13400	8
CS80-994		56	69	285	8	1.29	19	114000		84	1000	10	150	21000	4
CS80-995		70	108	330	4	4.32	12	132000		79	2200	10	50	1200	7
996		30	24	80	3	1.68	03	49600		24	650	10	60	1300	13
997		50	13	75	3	2.36	05	37500		4	420	10	80	15000	11
998		28	15	79	4	1.38	07	33100		3	500	15	60	7000	20
999		36	9	160	3	0.90	08	38300		28	800	10	50	10800	4

COMPANY:

PROJECT No.: AFE 0421 FAC 08115

ATTENTION: E.P. Dillon

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

Heavy Mineral

DATE: Sept. 1 1980.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	W ppm
1000	120	162	525	5	2.08	15	149000		80	3100	10	60	1600	9
1001	42	38	310	4	2.58	10	95800		33	1700	25	45	1000	2
1002	22	25	300	12	1.76	05	31000		21	500	20	70	26000	8
1003	100	600	1180	4	0.72	10	111000		48	1000	15	50	28000	3
CSS0-1004	85	35	275	3	0.76	10	84500		112	1150	10	40	60000	3
CSS0-1005	252	57	540	18	0.50	23	154000		110	3250	10	50	20000	7
06	46	66	246	9	1.50	20	140000		81	1100	5	90	16400	2
CSS0-1007	31	61	217	10	1.84	13	129000		61	410	5	70	13500	2
CSS0-1008	20	10	75	4	1.34	05	62400		11	425	15	220	4600	3
1009	50	27	1050	9	0.52	18	114000		91	1050	20	110	60000	3
1010	60	20	390	10	0.37	90	106000		32	1000	15	100	36000	4
1011	70	14	210	20	0.58	08	77000		108	1275	20	200	8000	5
1012	230	57	990	25	1.09	24	235000		25	2670	15	160	3200	16
1013	75	13	285	12	0.56	06	66300		45	675	10	180	11000	18
1014	20	17	132	7	2.85	06	72800		19	920	25	90	4000	7
1015	150	81	1330	54	1.89	27	272000		435	4900	15	230	2200	4
Inc 1016	320	52	1660	22	6.54	31	244000		310	470	10	240	900	6
Pass 1017	130	44	1170	38	5.80	12	120000		67	790	15	235	32000	5
1018	70	130	780	75	1.40	26	182000		104	1125	10	200	12000	2
1019	80	50	730	30	4.61	21	245000		290	510	10	265	2400	3
1020	68	33	307	28	4.89	10	101000		131	260	25	110	2600	3
CSS0-1021	200	113	2570	86	5.88	26	228000		340	560	20	550	24000	2

APPENDIX II

LIST OF MINERAL PROPERTIES

Property Name: Common BIG TIMBER Other Atlas

Location: Lat. 62°08' Long. 131°16' NTS 105J/3

Metals: Major Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Atlas cl (Y13293) in Aug/66 by Atlas EL.

Description:

G.S.C. maps show no outcrop or magnetic response near the claims. The claims were staked on a molybdenum stream sediment anomaly near a prominent gossan. The gossan occurs in a bog near a contact between granodiorite and porphyritic andesite. Geochemical assays show a metal content of 20-30 ppm Mo in the soil near the bog but no mineralization was found.

References:

REVISED 1979 Occurrence No. 4

Property Name: Common NORKEN Other

Location: Lat. 62°15' Long. 130°42' NTS 105J/3

* Metals: Major Lead, Zinc, Copper, Silver Minor:

* Type of Mineral Deposit: Formational, Vein

History and Previous Work:

Staked as Oke cl (72725) in Sept/56 by Kennco. Restaked in Sept/59 as Norken and Fool cl (74441) by Yukon Can Mg CL, a member of the Hirshorn group, * which explored with trenching, mag and EM surveys and 6 holes (1853 ft) in * 1961 and 7 holes (2625 ft) in 1962. The showing was fringe staked during this period by various companies in the Hirshorn group - Consolidated Marbenor ML, Snowdrift Base Met ML, Consolidated Panther ML, Indian Mountain Met ML, Elite Cobalt ML, Castlebar Silver and Cobalt ML, Penelope EL, Gui-Por Uranium and Met L, and Murky Fault Met ML. Kerr Addison ML tied on the Top cl (77636) in Apr/62. Restaked in June/66 as Emu cl (Y7939) by Atlas EL; as the Bill cl (Y42918) in Aug/70 by B. Wilson; as Core cl (Y74002) in Aug/73 by J.H. Oliver and as Kate cl (Y83857) in Feb/75 by Welcome North ML, which conducted mapping and geochem sampling later in the year. Tony Rich tied on Pro cl (Y84153) in June/75 at the NW end, possibly for Vestor EL, and Cyprus Anvil tied on Pig cl (YA106) to the east in July/76 and explored with geochem sampling in 1976 and geochem, mapping and EM surveys in 1977, when the Kate group was briefly optioned.

Description:

* The oldest rocks on the property consist of calcsilicates, commonly quartz- * diopside-actinolite-biotite skarn with minor bands of marble, limestone and * amphibolite, that are probably correlative with the Cambrian Rabbitkettle Fm. * That sequence is overlain by graptolitic and graphitic shale and chert of the * Ordovician - Devonian Road River Formation and varicoloured chert, grey to * green shale and grey limestone, probably of Devonian-Mississippian age. Dykes * and sills of diorite of probable Tertiary age intrude the sequence.

Finely laminated sphalerite and galena in shale has been found as float on the claims but the source has not been located. A selected specimen assayed by Welcome North returned 11.5% Pb, 8.9% Zn and 4.5 oz/ton Ag. The early work by Yukon Can Mg was directed towards a showing containing chalcopyrite, pyrrhotite, pyrite and minor galena and sphalerite, which was traced in float and geochem * sampling in 1975-77 for a length of more than 5000 ft. This mineralization * consists of discontinuous bands, irregular patches, small blebs, fracture fillings and disseminations within the calcsilicate unit. The best drill intersections were 0.66% Cu and 0.3 oz/ton Ag across 18.7 ft and 0.43¢ Cu and 0.2 oz/ton Ag across 15.0 ft in two separate zones about 40 ft apart in Hole 4.

** The soil sampling program outlined a lead anomaly over 3000 ft long on the Kate group, which extended onto the Pig group. This was found to be caused by quartz veins containing traces of galena and arsenopyrite.

References:

P63-38, pp.30-31
ER, Sept/60 by L.K. Lytle for Yukon Can Mg CL - FFAC
ER, Feb/76 by J.S. Brock for Welcome North ML - Open File VSE
* MIR, 1975, pp.169-1970; 1976, p.214; 1977, pp.

REVISED 1979 Occurrence No. 3

Property Name: Common PIKE Other

Location: Lat. 62°10' Long. 130°42' NTS 105J/2

Metals: Major Copper, Silver Minor Lead, Zinc, Gold

Type of Mineral Deposit: Skarn/Uncertain

History and Previous Work:

Staked as Pike cl (Y13149) in Aug/66 by Atlas EL. Fringe staking to the northwest included the Cree and Star cl (Y16250) by A. Racicot and the Oxo cl(Y16210) by Napoli EL. Racicot optioned his claims to Hecla, and preliminary surveys were conducted by Hecla and Napoli in 1967 with negative results. Atlas trenched with a bulldozer and drilled one packsack hole (78 ft) in 1966 and conducted more detailed surveys in 1967. The property was later transferred to Atsui Mg Corp. L and the Atlas interest was transferred to Cima Res L in
** 1974. Atsui performed limited trenching in 1977 and optioned the property to Craigmont ML in 1978.

Description:

Disseminated arsenopyrite, chalcopyrite, pyrite, galena and sphalerite occur in Ordovician and Silurian sediments (unit 3) near the contact of an elongate stock (probably unit 13). The sedimentary sequence includes chert, limy shale, and limestone and the stock varies from granodiorite to quartz-feldspar porphyry. Mineralization occurs both in the intrusion and the wall rocks and varies from mainly arsenopyrite to the west (No.1 Zone)to mainly galena and sphalerite at the east end. Mineralization extends along a belt two miles long but is erratically distributed. Atlas reported that No.1 Zone contains 2500 tons per vertical foot averaging 0.61 % Cu and 2.4 oz/ton Ag. The No. 2 Zone (east end) assays up to 10 oz/ton Ag and 8% combined Pb and Zn in surface trenches.

References:

WM, Nov/66, p.24
"The Application of Saturation Prospecting Techniques to Yukon Exploration", by E.O. Chisholm and J.S. Brock, CMJ, April/67, pp 136-139
P67-40, pp 60-61
P68-68, p.80

Property Name: Common TAC Other

Location: Lat. 62°04' Long. 131°20' NTS 105J/3

Metals: Major Copper, molybdenum Minor

Type of Mineral Deposit: Porphyry

History and Previous Work:

Staked as Tac cl(Y42922) in Aug/70 by Silverpeak Mining CL, a subsidiary of Cyprus ML.

Description:

G.S.C. maps indicate the claims are underlain by porphyritic intrusions of Tertiary age, and are surrounded by magnetic anoamlies. Mineralized float was found while following up silt anomalies, but the source could not be located. Mineralization consists of disseminated chalcopyrite and molybdenite in altered diorite.

References:

Occurrence No. 22

NEW 1976

Property Name: Common RICH Other

Location: Lat. 62°22' Long. 130°47' NTS 105J/7

Metals: Major Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Nan cl (Y84223) in July/75 by Tony Rich, possibly for Vestor EL.

Description:

The claims are underlain by chert and shale, probably Ord-Sil Besa River Fm.

References:

Northern Cordillera Mineral Inventory-1972- Archer, Cathro & Associates Ltd.

Property Name: Common HENCH Other

Location: Lat. 62°02' Long. 131°23' NTS 105J/3

Metals: Major Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Hench cl (YA34550) in Aug/78 by St. Joseph EL, which explored with mapping and geochem surveys later in the year.

Description:

The claims are underlain by Devonian slates, shales and greywacke about two miles south of a Tertiary quartz, feldspar porphyry stock.

References:

REVISED 1979 Occurrence No. 34

Property Name: Common CHOW Other

Location: Lat. 61°51' Long. 131°29' NTS 105G/14

Metals: Major Zinc, Copper Minor Lead

Type of Mineral Deposit: Uncertain

History and Previous Work:

Staked as Kay cl (Y16398) in Sept/66 by Kerr Addison ML following regional geochem surveys. Restaked as Palo cl (Y73482) in June/73 by A. Harmon and as Gay cl (Y83797) in Oct/74 by A. Carlos. Restaked as Gem cl (YA156) in July/76 by A. Carlos and optioned to Yukon Revenue ML which added BB, etc cl (YA889) in Sept/76- Jan/77 and performed mapping and soil sampling in 1976 and 1977 and drilled several holes in 1977.

Fringe staking between Nov 76 and Oct/77 included Polo cl (YA11972) by Welcome North ML and Jim cl (YA12042) by P.S. White to the southwest; Iskut cl (YA12834) by Iskut Silver ML to the northwest; Wit cl (YA12026) by E. Wedekind
** to the south; and MY cl (YA12212) by Marge Enterprises L.

Description:

Pyritic siderite veinlets and breccia fillings carrying minor amounts of galena, sphalerite and chalcopyrite have been found as float near a small diorite body in an area underlain by phyllite, schist, dolomite and schistose volcanics mapped as Klondike Schists of unknown age. Yukon Revenue located a copper-zinc geochem anomaly over a strongly leached area from which selected specimens of phyllite assayed up to 2.2% Zn and 0.5% Pb. The drilling intersected weakly mineralized schist.

References:

ER, Sept/76 by J.J. Crowhurst for Yukon Revenue ML - Open File VSE
ER, Feb/77 by C.L. Smith for Brendex Res L - Open File VSE
ER, Feb/77 by D.W. Goodbrand & A.E. Nevin for Marge Ent L - Open File VSE
MIR, 1976, p.206

REVISED 1978

Occurrence No. 54

Property Name: Common SUN Other

Location: Lat. 61°54' Long. 130°49' NTS 105G/15

Metals: Major Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Sun cl (Y27734) in Sept/68 by Spartan EL following a regional
** geochemical survey. Restaked as Moon cl (YA12726) in April/77 by G. Harris & A. Carlos.

Description:

** The claims cover erratic zinc anomalies and are underlain by scattered outcrops of Silurian or Lower Devonian dolomite near a contact with overlying Dev-Miss clastics.

References:

P 69-55, p.50
ER, Oct/68 by C.L. Smith for Spartan - FFAC

REVISED 1978 Occurrence No. 55

Property Name: Common PHIL Other

Location: Lat. 61°56' Long. 130°32' NTS 105G/15

Metals: Major Zinc Minor Lead, Copper

Type of Mineral Deposit: Vein

History and Previous Work:

Staked as Zn cl (Y19017) in Aug/67 by G. Lishy and optioned to Atlas EL, which conducted mag, EM and geochem surveys, mapping and bulldozer trenching in 1967 and 1968. The adjoining Pal cl (Y22065) were tied on to the southeast in Oct/67 by Spartan EL, which performed only preliminary mapping. Restaked as Bob cl (Y83258) in Aug/74 by Ogilvie JV-C.L. Smith (Brinco, Mitsubishi and Ventures West Capital), which performed mapping, geochem and chip sampling in
* 1975 and EM, mag and geochem surveys and more mapping in 1977.

Description:

* Two small showings occur in Silurian and Lower Devonian phyllite and sericite schist. Massive sphalerite with minor galena and a trace of chalcopyrite is associated with a quartz vein 1.5 ft wide and 20 ft long at a phyllite-schist contact. A sample of the outcrop assayed 48% Zn and 4% Pb across a width of 4 ft, while samples from trenches gave assays of up to 6.9% Pb and 0.5% Cu in altered phyllite. The second showing consists of quartz veins 1/4 to 1 inch wide spaced about a foot apart across a width of 32 ft and weakly mineralized with chalcopyrite, galena and sphalerite.

References:

ER, Sept/68 by J.S. Brock for Atlas EL - FFAC
MIR, 1975, p.167

REVISED 1978 Occurrence No. 56

Property Name: Common PAY Other

Location: Lat. 61°59' Long. 130°30' NTS 105G/15

Metals: Major Zinc, Lead Minor Silver, Gold

* Type of Mineral Deposit: Formational (MV)

History and Previous Work:

Staked as Pay cl (Y13133) in July/66 by P. Risby and R. McBean and optioned by Atlas EL, which built a winter road and explored with geophysics, geochem sampling, bulldozer trenching and 17 packsack holes (689 ft) in 1967. In 1968, 25 holes (6231 ft) were drilled west of the original showing under a joint venture with Mitsui Mg & Smelting and the property was later transferred to a new company, Fortin Lake ML (95% Atlas, 5% Mitsui). The Atlas interest was transferred to Cima Res L in 1974. The adjoining Pal cl (Y19483) was tied on to the northwest in Oct/67 by Spartan EL and explored with mapping
* and soil sampling in 1968. Fortin Mg performed minor trenching in 1977.

Description:

* The property is underlain by carbonate and quartzite of Sil-Lower Dev age. A single mineralized outcrop was found consisting of brecciated, silicified limestone, which assayed 0.1 oz/ton Au, 3.6 oz/ton Ag, 17.2% Pb and trace Zn. Disseminated sphalerite float was found elsewhere by trenching. Most of the drill holes intersected graphitic or limy phyllite with minor sections of the silicified host limestone unit that assayed about 5.3% Zn, 2.8% Pb, 1.0 oz/ton Ag and 0.02 oz/ton Au. Some of the deeper holes intersected Road River Fm shales of Ord-Sil age containing up to 2% zinc.

References:

P 68-69, pp 81-83
P 69-55, p 49
ER, Oct/68 by C.L. Smith for Spartan - FFAC

REVISED 1978

Occurrence No. 58

Property Name: Common SPUD Other

Location: Lat. 61°57' Long. 130°12' NTS 105G/16

Metals: Major Lead, Zinc Minor

Type of Mineral Deposit: Skarn

History and Previous Work:

** Staked as Spud cl (Y17085) in Nov/66 by Atlas EL, which explored with mapping, geochem sampling and limited hand trenching in 1967.

Description:

** Finely disseminated galena and sphalerite occur in pale green skarn developed in a dolomite-quartzite sequence of Silurian-Lower Devonian age near the margin of a Cretaceous quartz monzonite porphyry stock.

References:

P74-1A, p.44

Property Name: Common WAD Other

Location: Lat. 61°54' Long. 130°11' NTS 105G/16

Metals: Major Zinc, Lead Minor

Type of Mineral Deposit: Uncertain

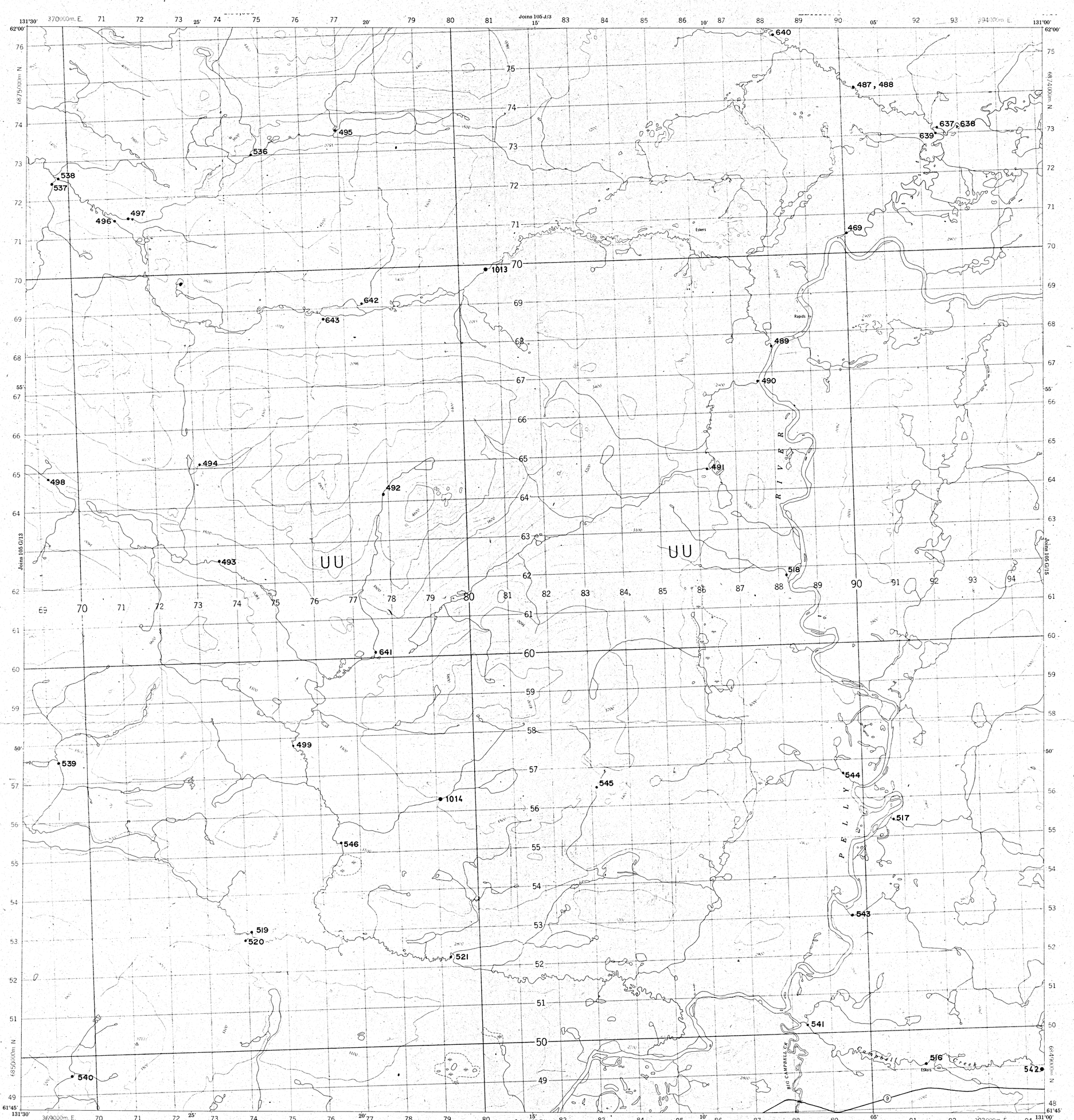
History and Previous Work:

Staked as Wad cl (YA33685) in July/78 by Cominco L, which conducted mapping and soil sampling later in the year.

Description:

Coarse sphalerite and galena occur in Cambro-Ordovician carbonates about two miles from a granitic stock.

References:



N

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MILES 1 0 2

KILOMETRES 1 0 3

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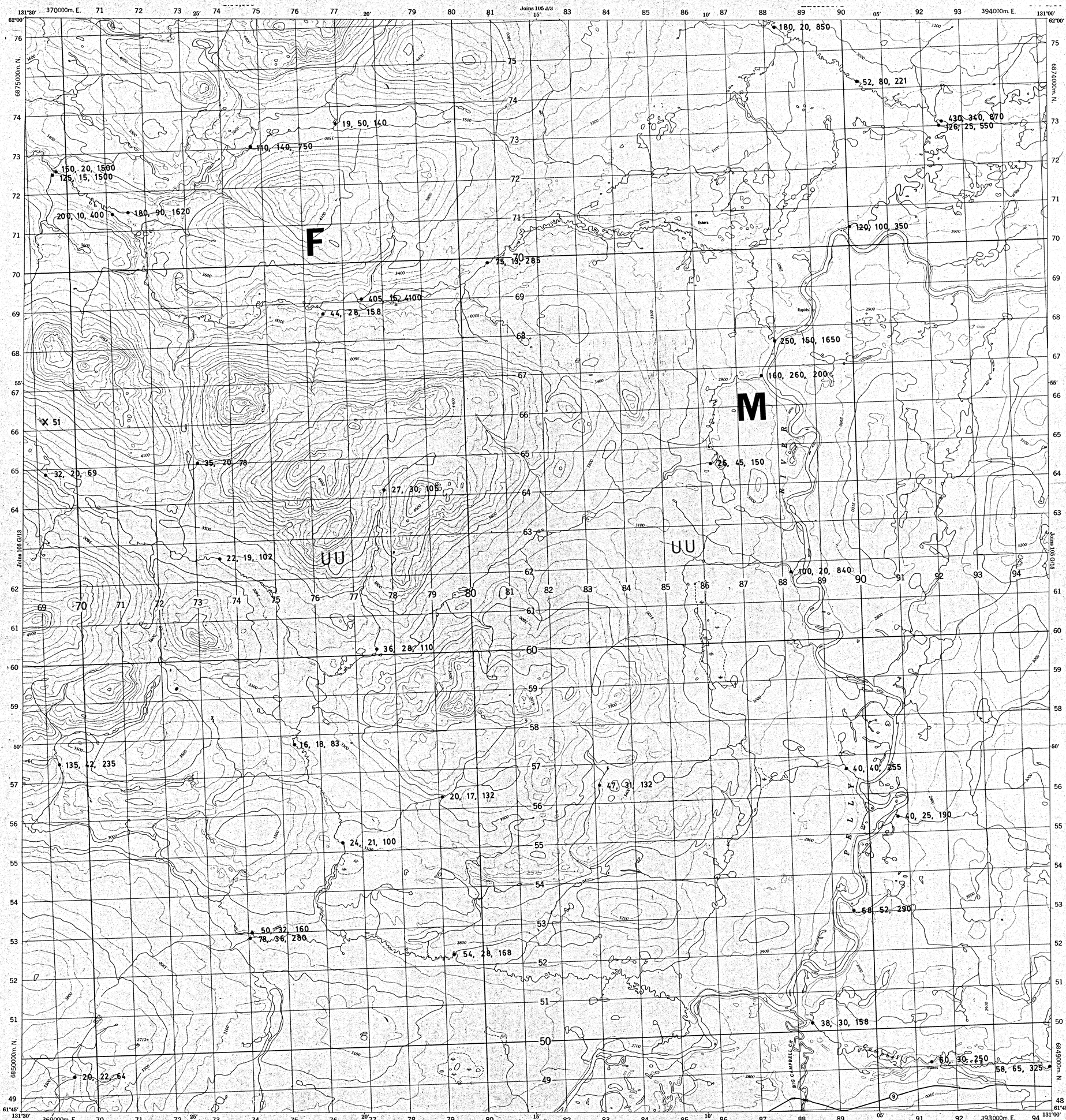
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

SAMPLE LOCATION MAP

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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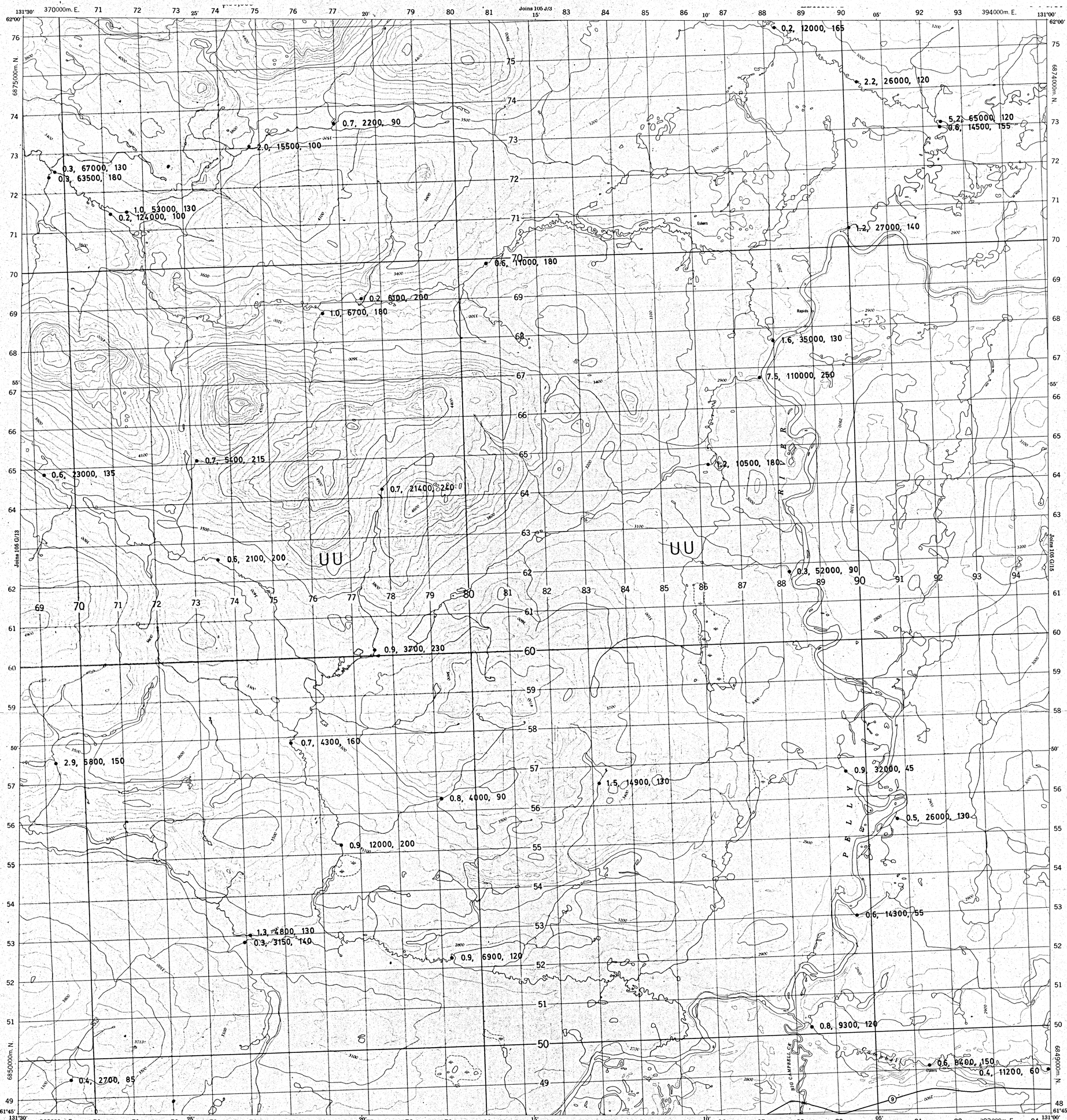
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STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Cu, Pb, Zn
values in PPM

YUKON TERRITORY

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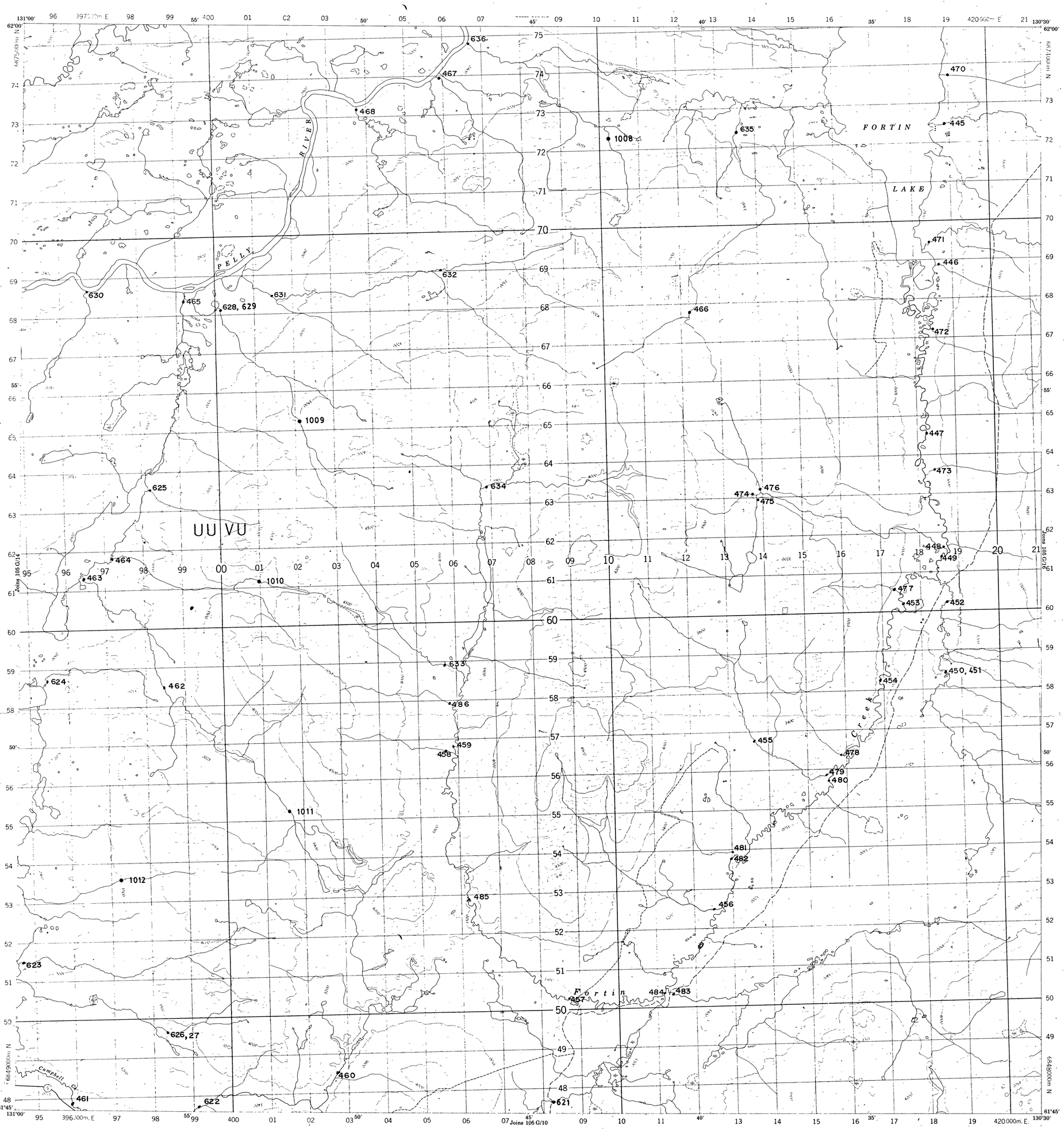
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Ag, Ba, V
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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KILOMETRES 1 0 3

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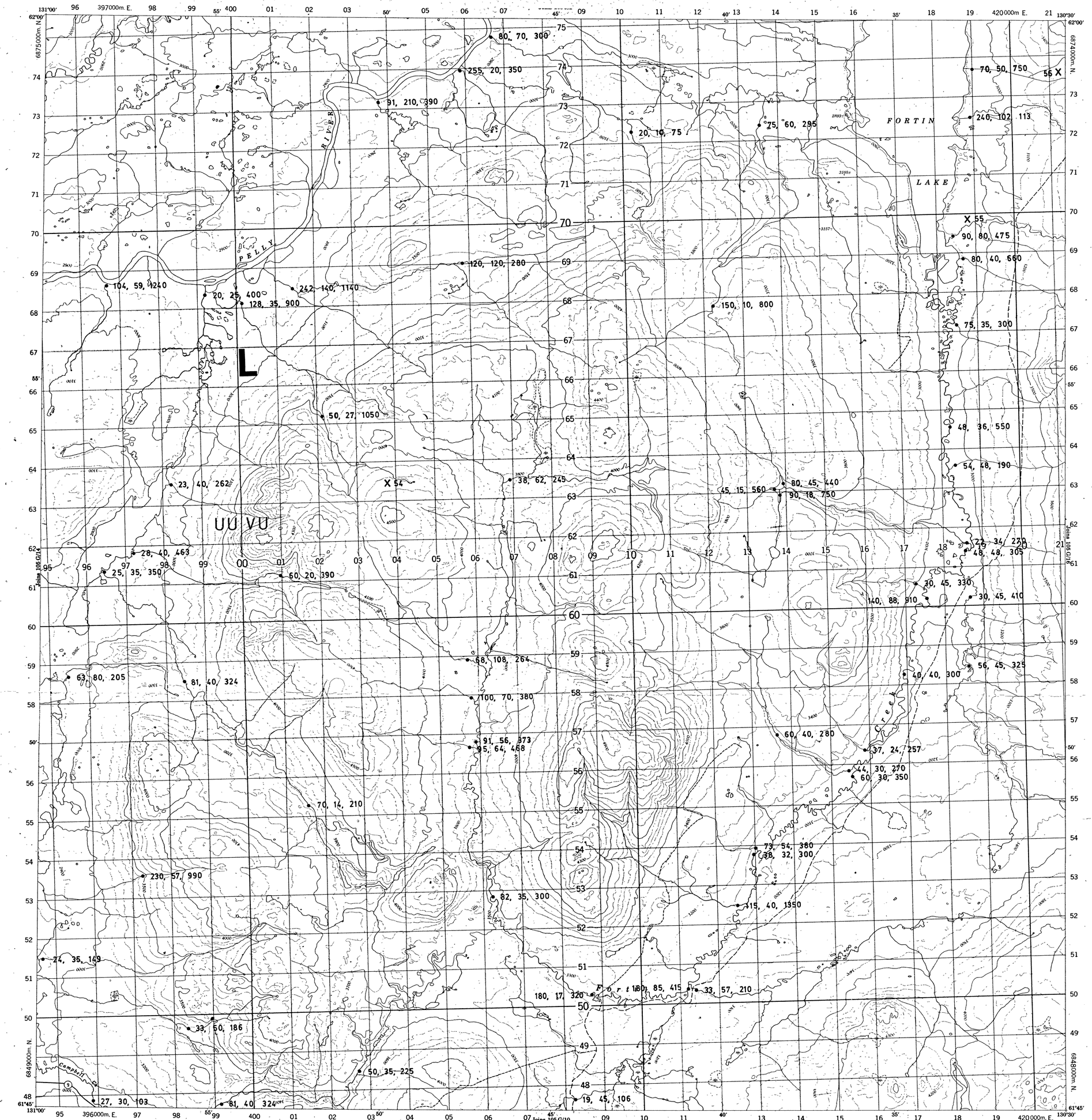
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

SAMPLE LOCATION MAP

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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MILES 1 0 2

KILOMETRES 1 0 3

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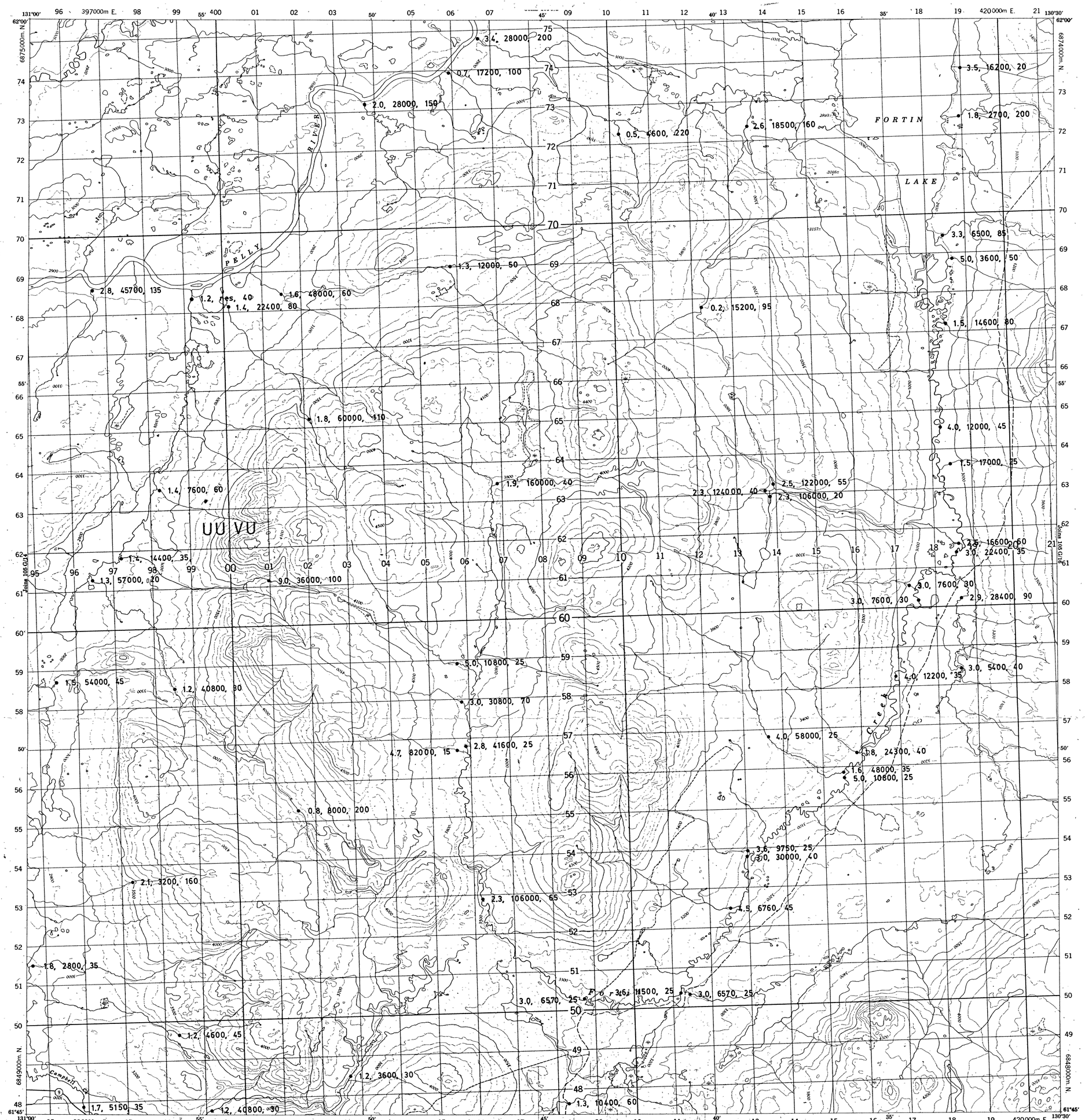
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Cu, Pb, Zn
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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MILES

1 0 2

1 0 3

KILOMETRES

Gulf Minerals Canada Limited

CORDILLERAN SEDIMENTS PROJECT

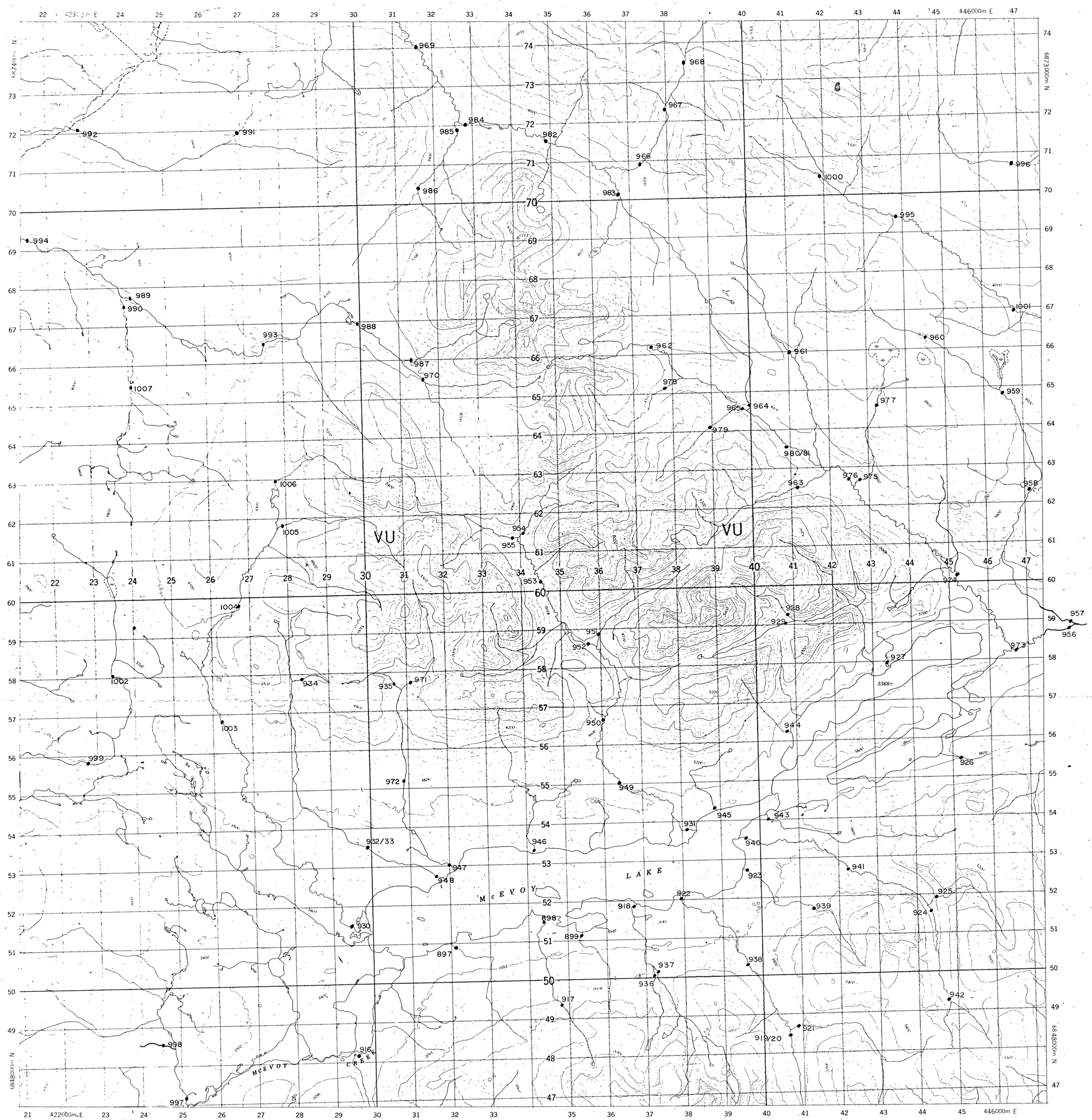
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Ag, Ba, V
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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KILOMETRES 1 0 3

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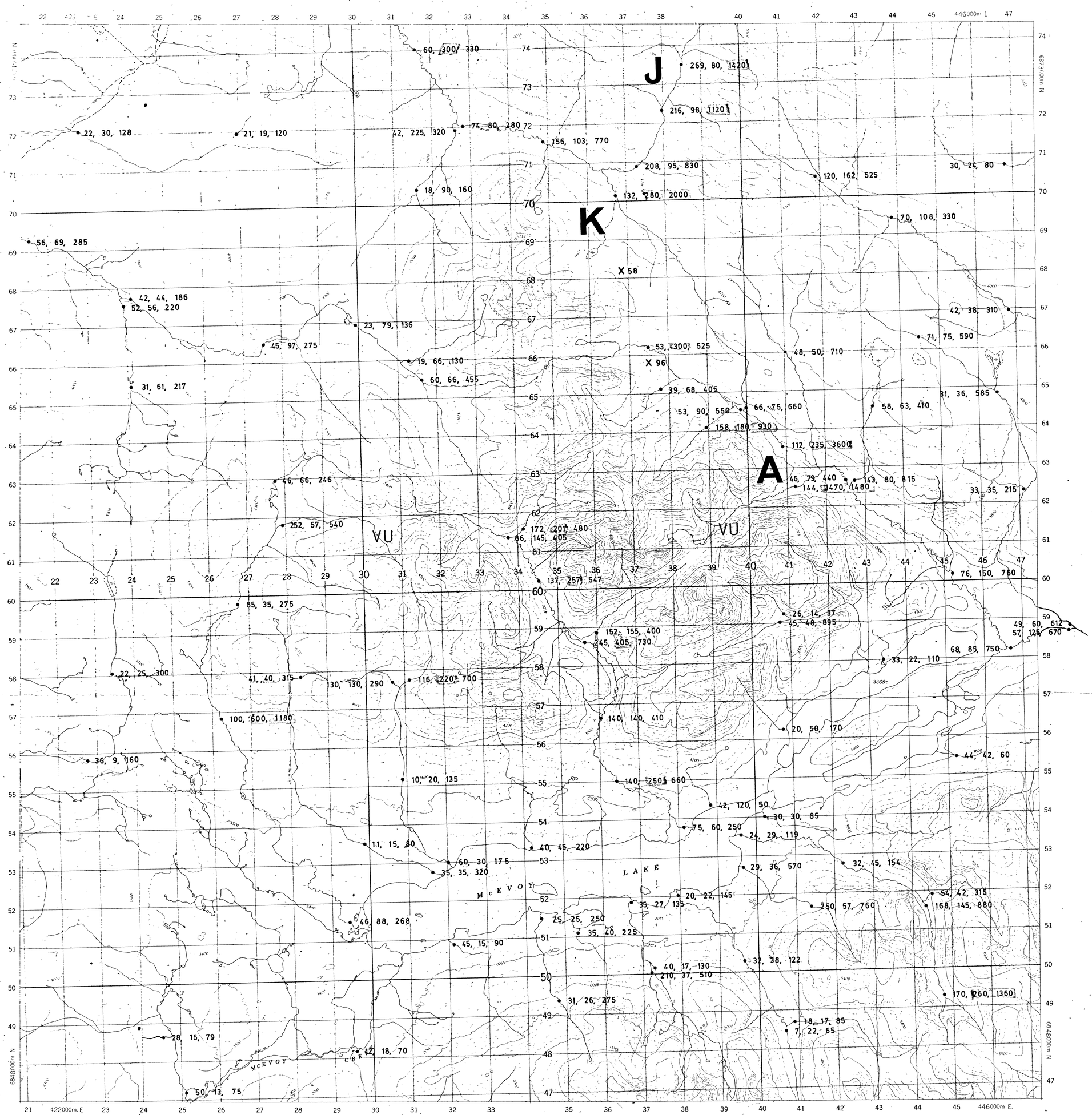
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STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

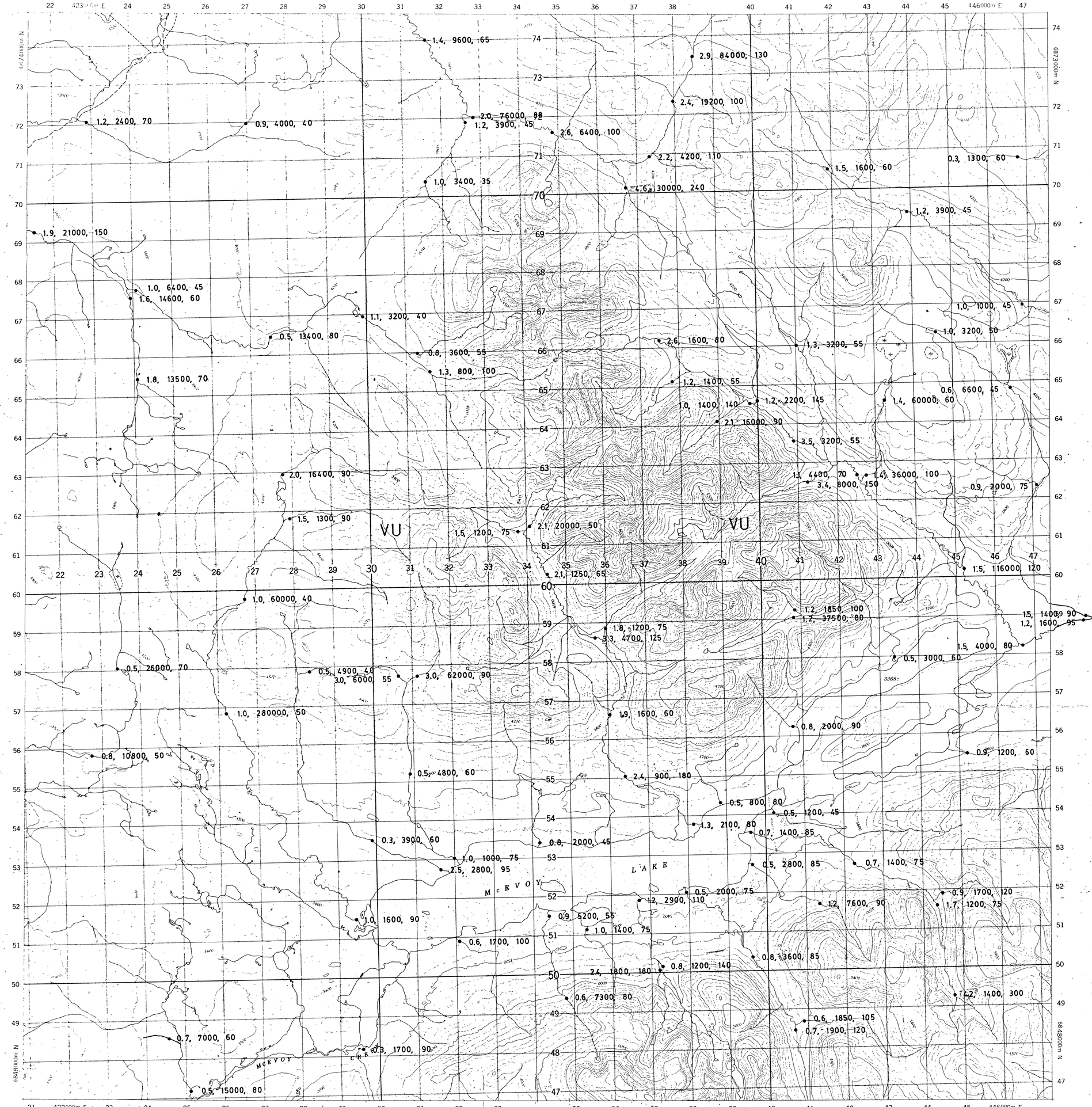
SAMPLE LOCATION MAP

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
	1:50,000	S.R., OCT/80	NTS.: 105 G/16

10005600 74


J
K
A
VU
VU
X 58
X 96
LAKE
McEVOY
McEVOY CREEK
60, 300, 330
269, 80, 1420
216, 98, 1120
22, 30, 128
21, 19, 120
42, 225, 320
74, 80, 280
156, 103, 770
208, 95, 830
120, 162, 525
30, 24, 80
18, 90, 160
132, 280, 2000
70, 108, 330
56, 69, 285
42, 44, 186
52, 56, 220
23, 79, 136
42, 38, 310
71, 75, 590
45, 97, 275
53, 300, 525
48, 50, 710
19, 66, 130
60, 66, 455
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39, 68, 405
31, 36, 585
53, 90, 550
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58, 63, 410
158, 180, 930
112, 235, 3600
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76, 150, 760
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35, 27, 135
250, 57, 760
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40, 17, 130
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170, 260, 1360
31, 26, 275
18, 17, 85
7, 22, 65
28, 15, 79
42, 18, 70
50, 13, 75
N
422000m. E
446000m E.
6873000m N
6848000m N
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MILES
KILOMETRES
Gulf Minerals Canada Limited
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RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)
Cu, Pb, Zn
values in PPM
YUKON TERRITORY
DATE:
SCALE: 1:50,000
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PLATE: NTS.: 105 G/16.
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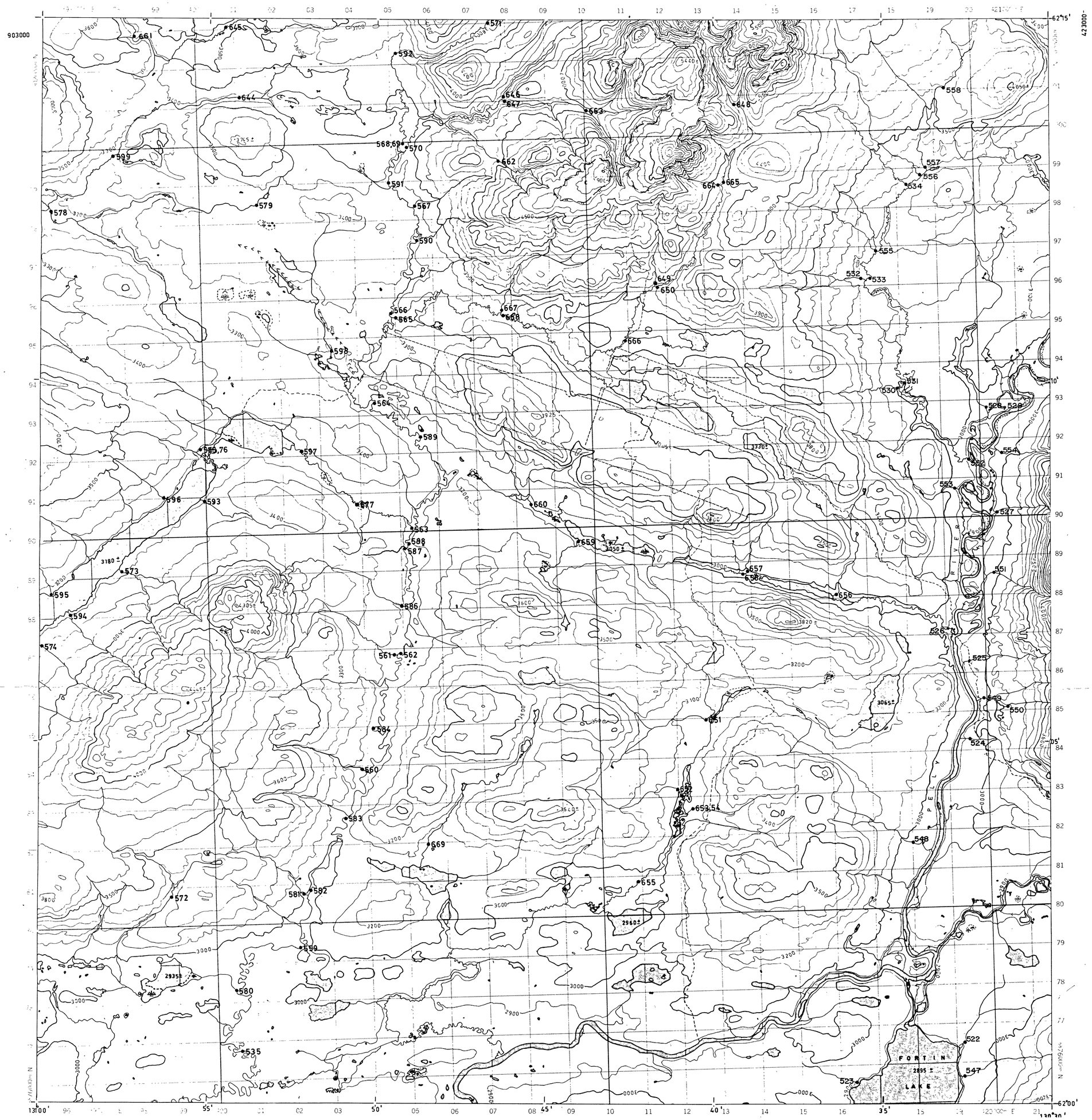
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Ag, Ba, V
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
	1:50,000	S.R., OCT/ 80	NTS.: 105 G/16

10005600074


903000
423000
62°15'
62°00'
130°30'
13°00'
N
FORTIN LAKE
PELLY RIVER
2895±
3065±
2960±
3820±
3925
3330±
3050±
3180±
3765±
5420±
4050±
3600
3500
3400
3300
3200
3100
3000
2900
2800
4000
3700
3800
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000
5100
5200
5300
5400
5500



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MILES 1 0 2

KILOMETRES 1 0 3

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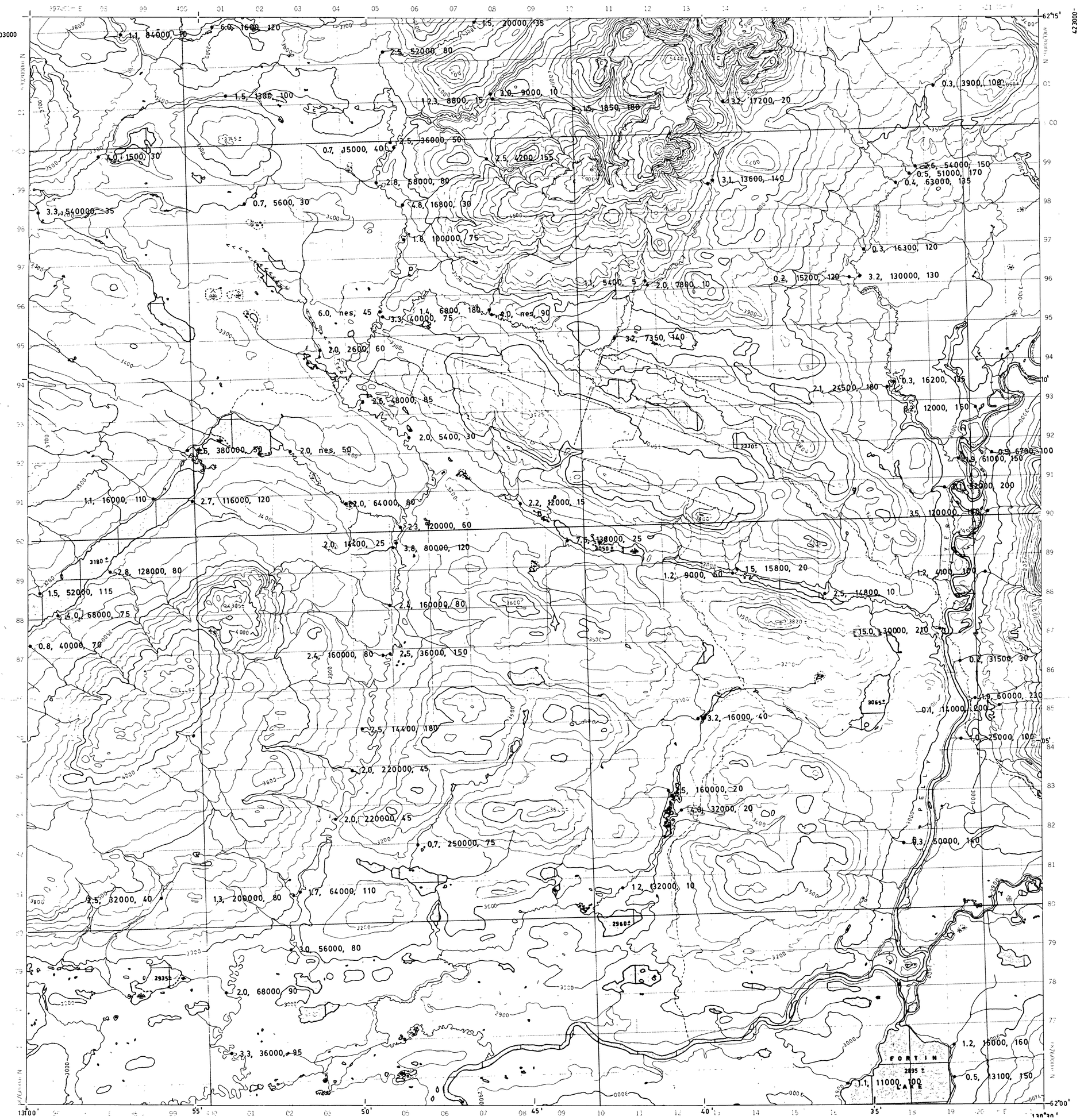
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Cu, Pb, Zn
values in PPM

YUKON TERRITORY

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RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

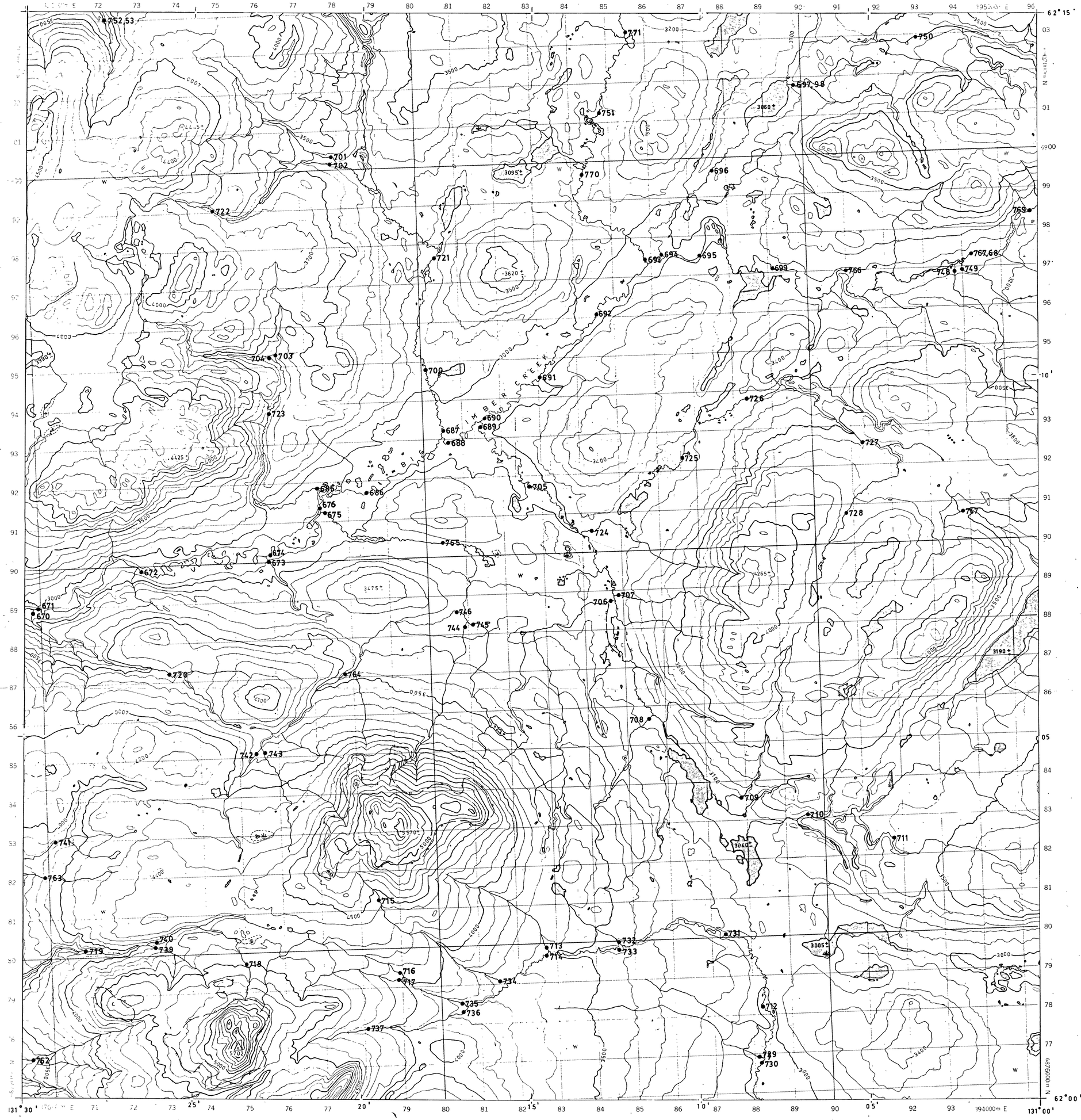
Ag, Ba, V

values in PPM

YUKON TERRITORY

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MILES 1 0 2

KILOMETRES 1 0 3

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RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

SAMPLE LOCATION MAP

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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MILES

1 0 2

1 0 3

KILOMETRES

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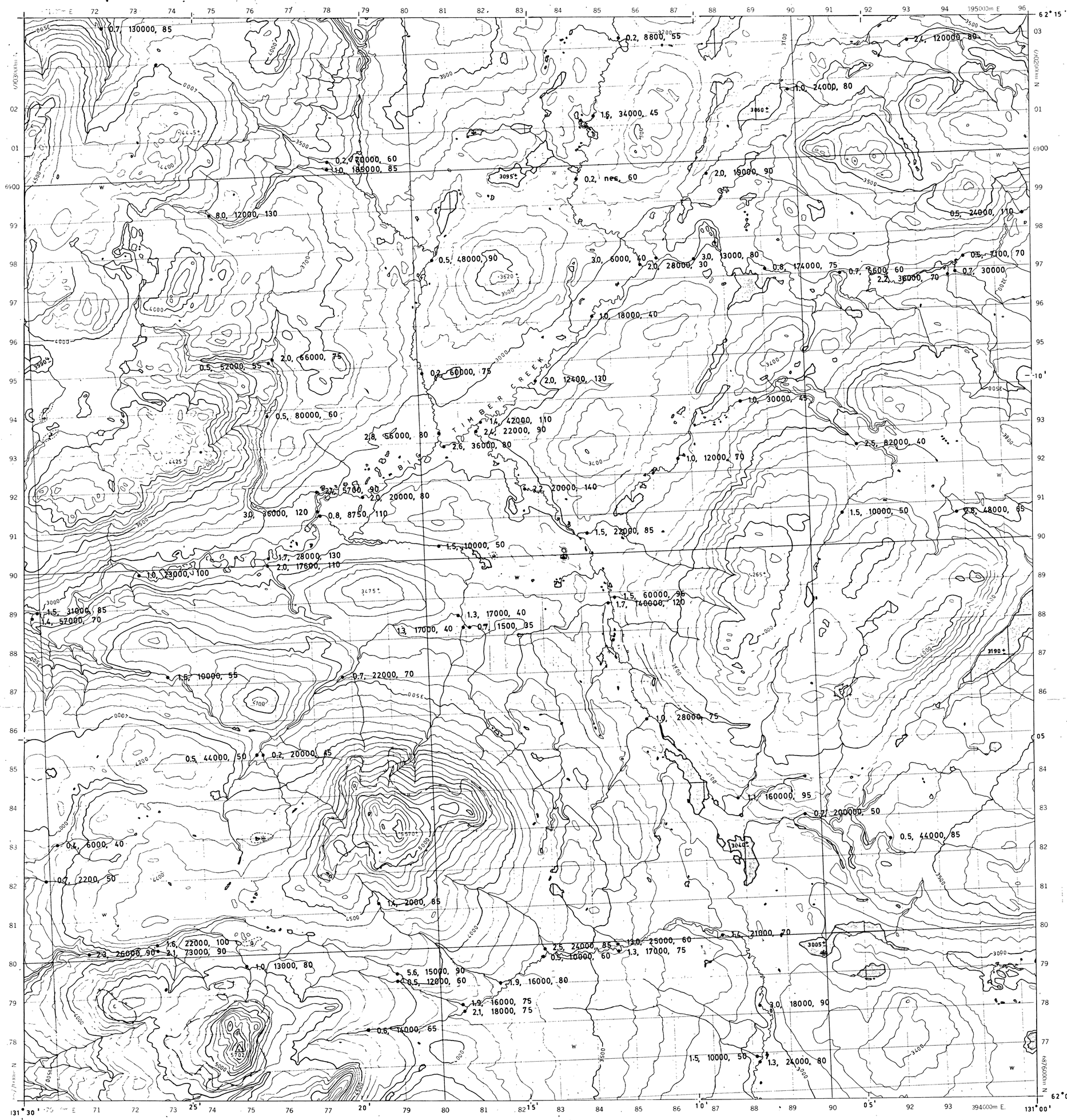
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Cu, Pb, Zn
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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MILES
1 0 2
1 0 3
KILOMETRES

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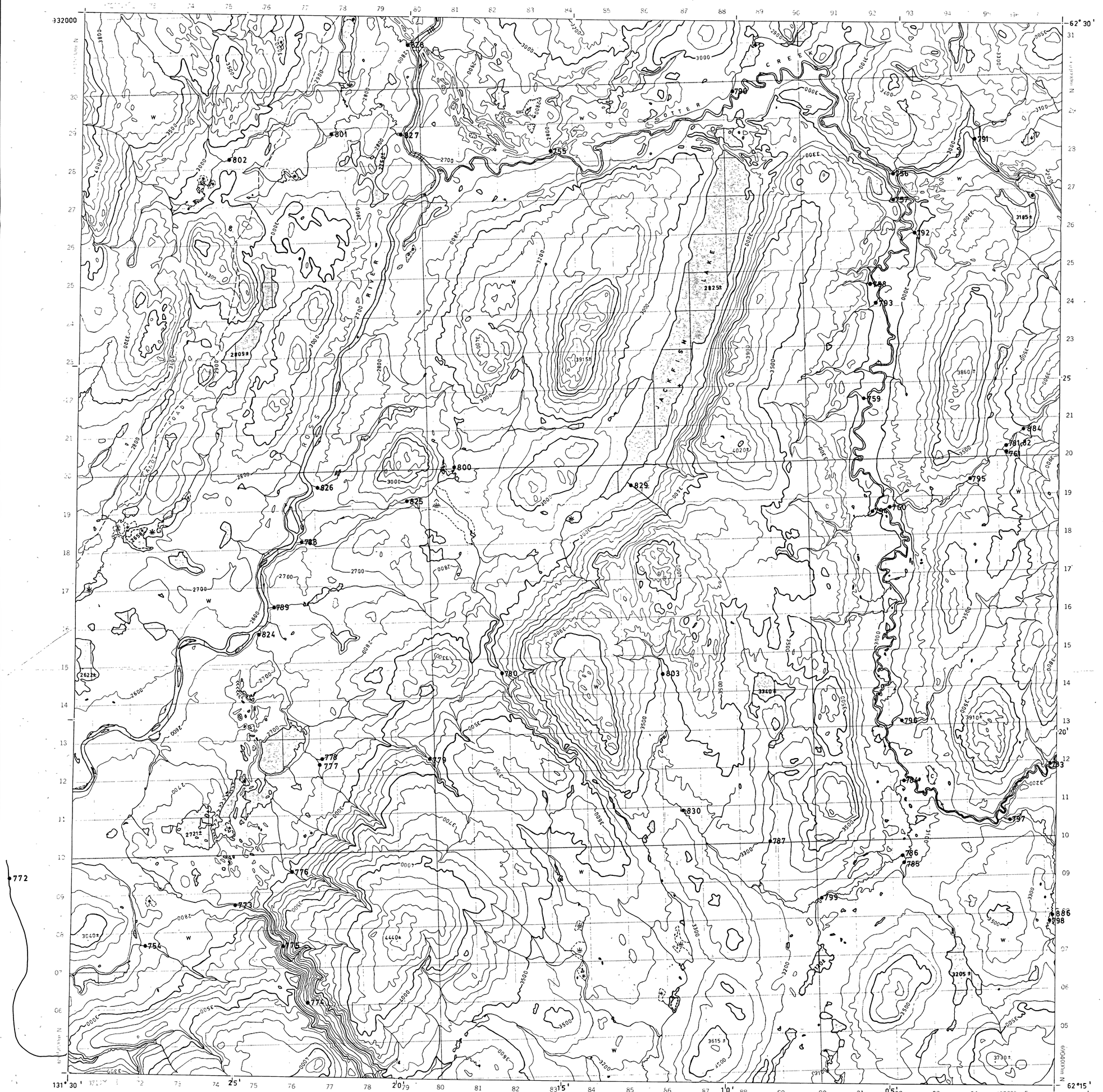
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Ag, Ba, V
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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KILOMETRES 1 0 3

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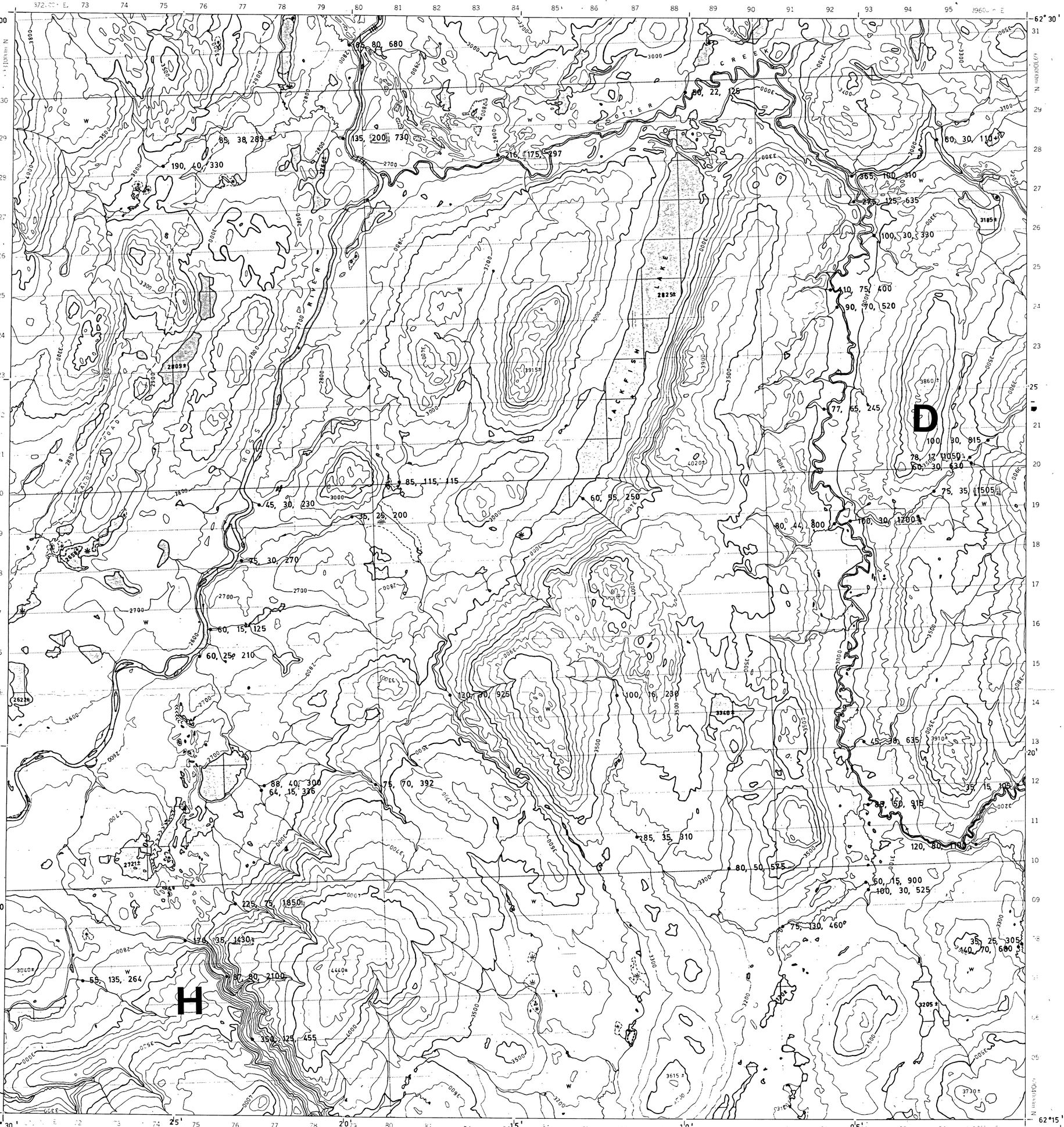
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

SAMPLE LOCATION MAP

YUKON TERRITORY

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MILES
1 0 2
1 0 3
KILOMETRES

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RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Cu, Pb, Zn
values in PPM

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STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

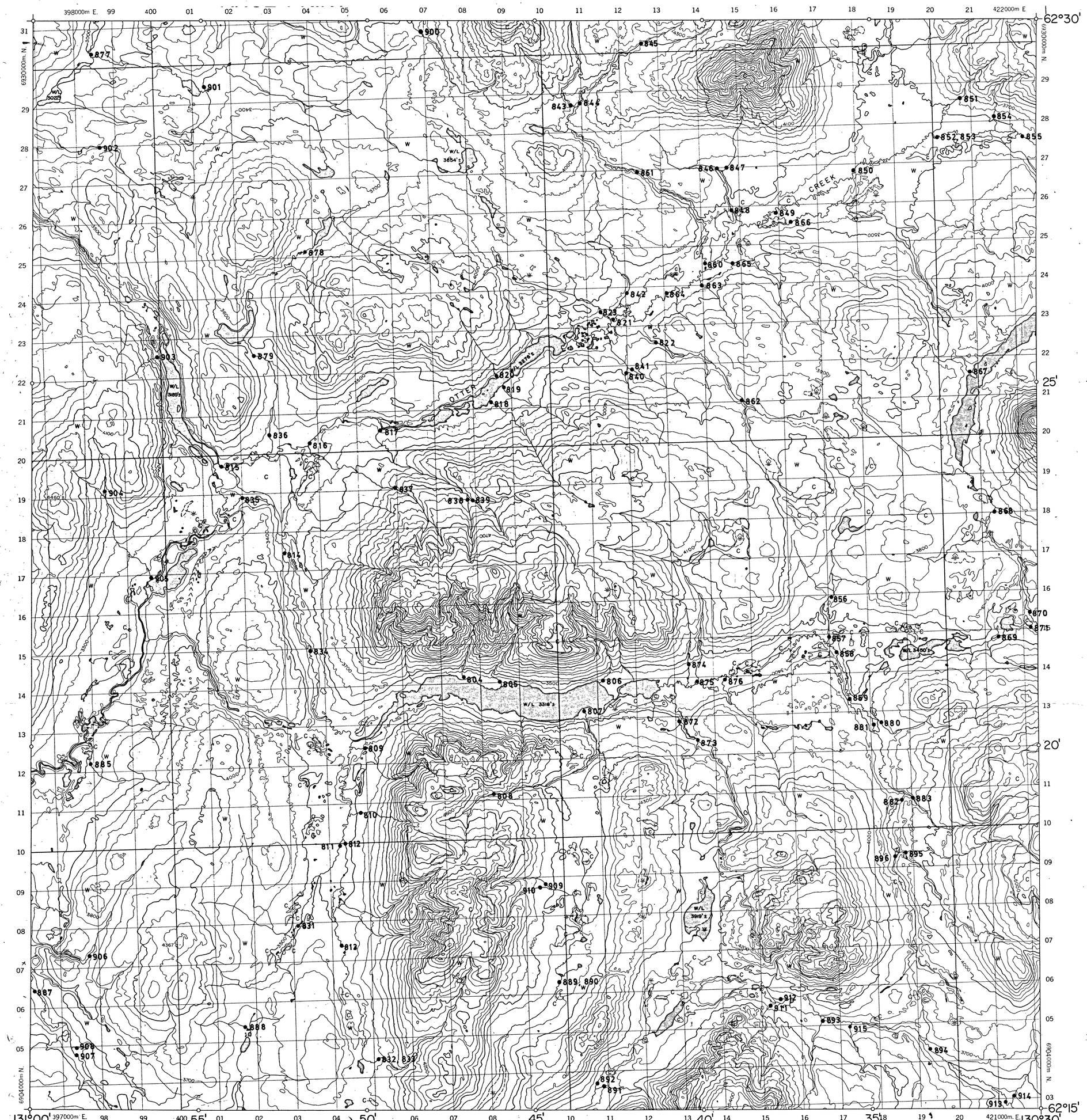
Ag, Ba, V

values in PPM

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MILES 1 0 2

KILOMETRES 1 0 3

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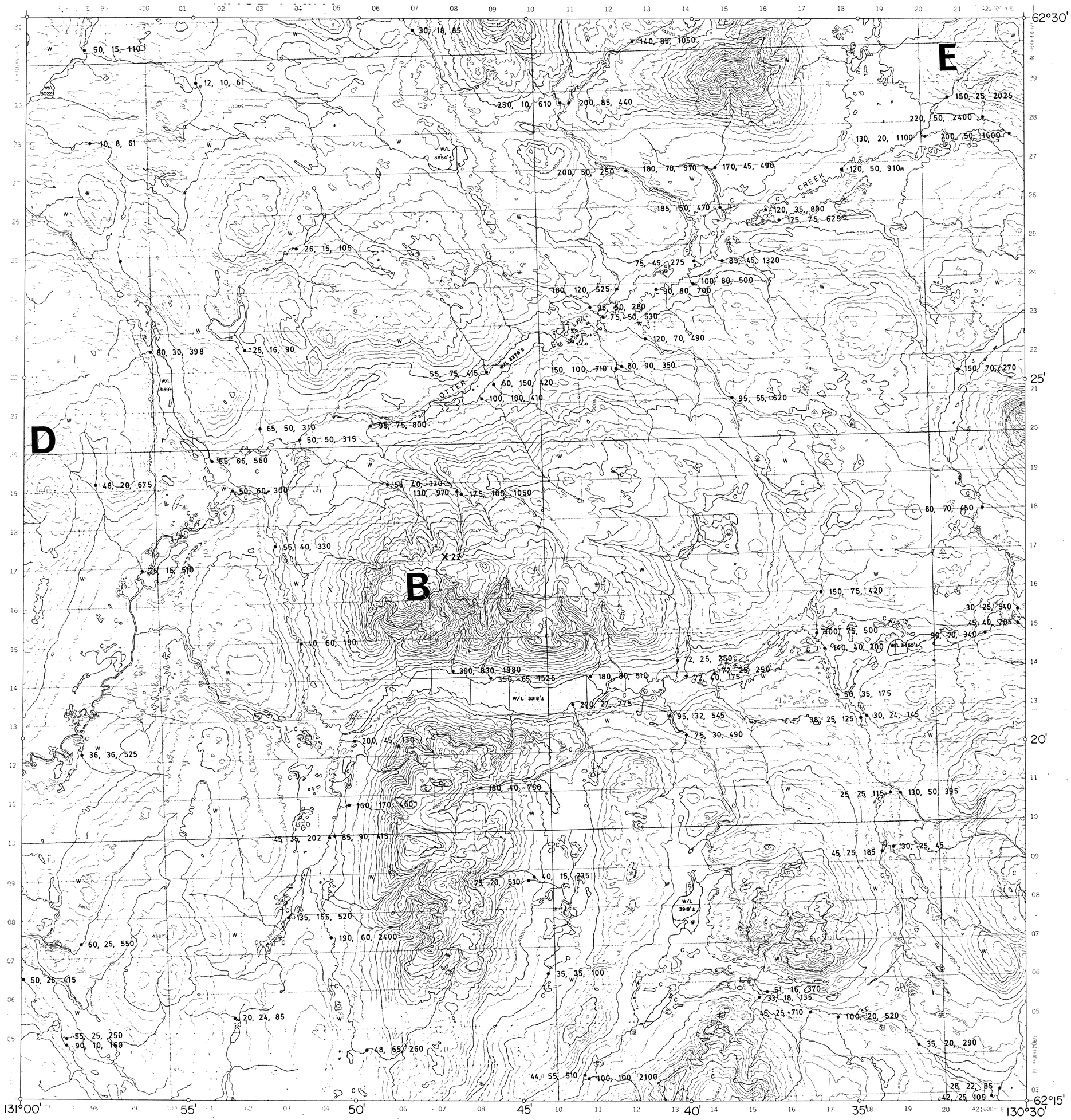
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

SAMPLE LOCATION MAP

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
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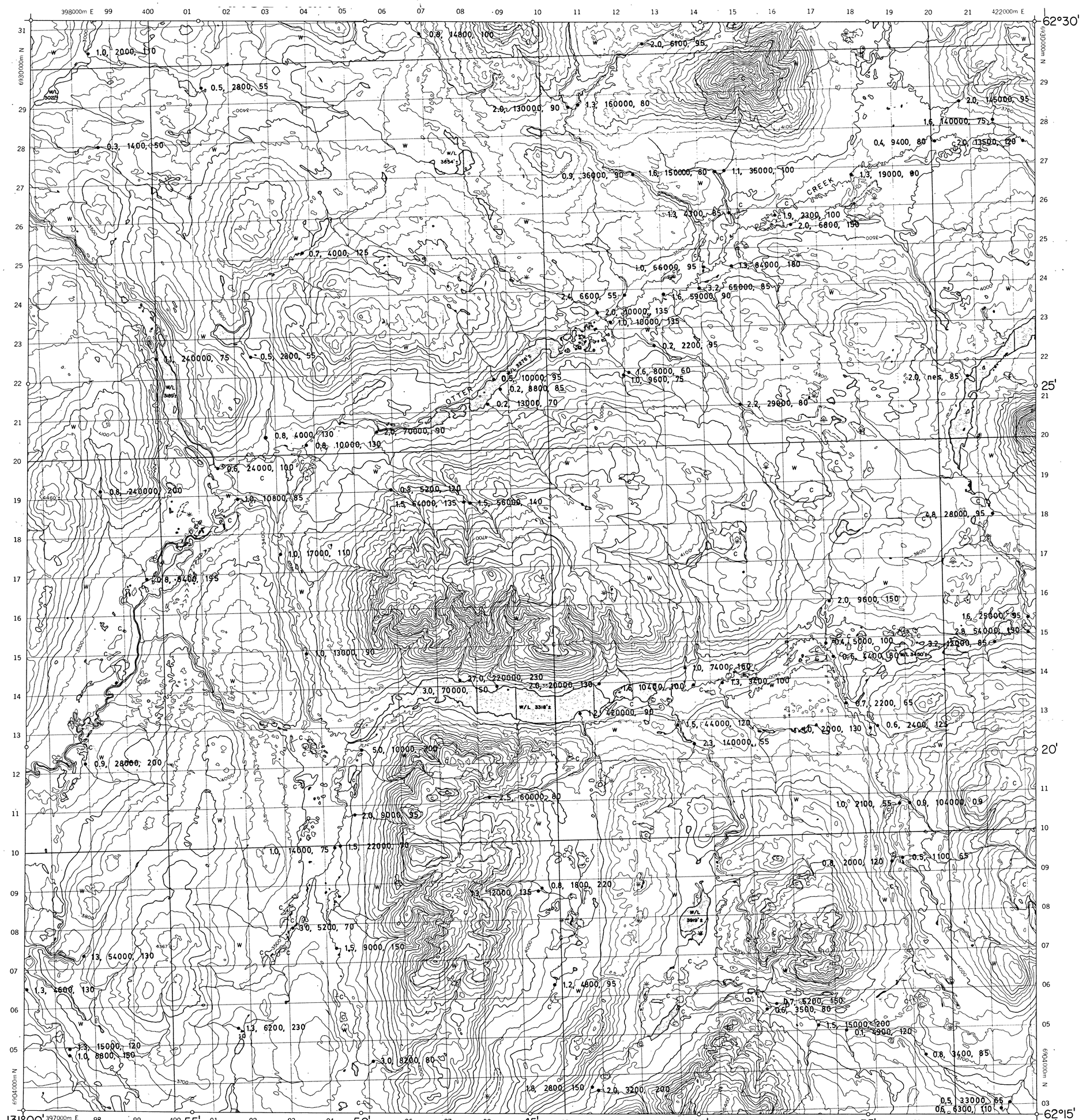
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)

Cu, Pb, Zn
values in PPM

YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	PLATE:
APRIL 1980	1 50,000	S.R., OCT/80	NTS. 105J/7

10005600074


398000m E
422000m E
693000m N
62°30'
25'
20'
62°15'
131°00'
397000m E
55'
50'
45'
40'
35'
421000m E
130°30'
694000m N
0.8, 14800, 100
2.0, 6100, 95
1.0, 2000, 110
0.5, 2800, 55
2.0, 130000, 90
1.3, 160000, 80
2.0, 145000, 95
1.6, 140000, 75
0.4, 9400, 80
2.0, 135000, 120
0.3, 1400, 50
0.9, 36000, 90
1.6, 150000, 80
1.1, 35000, 100
1.3, 19000, 80
CREEK
1.3, 4300, 85
1.9, 2300, 100
2.0, 6800, 150
0.7, 4000, 125
1.0, 66000, 95
1.3, 84000, 180
3.2, 65000, 85
2.4, 6600, 55
1.6, 59000, 90
2.0, 10000, 135
1.0, 18000, 135
0.2, 2200, 95
1.1, 240000, 75
0.5, 2800, 55
0.5, 10000, 95
1.6, 8000, 60
1.0, 9600, 75
2.0, nes, 85
0.2, 8800, 85
OTTER
0.2, 13000, 70
2.2, 29000, 80
0.8, 4000, 130
2.0, 70000, 90
0.8, 10000, 130
0.6, 24000, 100
0.8, 240000, 200
1.0, 10800, 85
0.8, 5200, 120
1.5, 64000, 135
1.5, 56000, 140
2.8, 28000, 95
1.0, 17000, 110
0.8, 8400, 195
2.0, 9600, 150
1.6, 25000, 95
2.8, 54000, 150
0.4, 5000, 100
3.2, 12000, 85
1.0, 13000, 90
0.5, 7400, 90
1.0, 7400, 160
27.0, 220000, 230
2.0, 20000, 130
1.3, 3200, 100
3.0, 70000, 150
1.6, 10400, 100
0.7, 2200, 65
1.2, 420000, 90
1.5, 44000, 120
1.0, 2000, 130
0.6, 2400, 125
2.3, 140000, 55
5.0, 10000, 200
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2.5, 60000, 80
2.0, 9000, 95
1.0, 2100, 55
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1.5, 22000, 70
0.8, 2000, 120
0.5, 1100, 65
0.9, 12000, 135
0.8, 1800, 220
3.0, 5200, 70
1.5, 9000, 150
1.3, 54000, 130
1.2, 4800, 95
1.3, 4600, 130
0.7, 5200, 150
0.6, 3500, 80
1.3, 6200, 230
1.5, 15000, 200
0.1, 4900, 120
1.3, 15000, 120
1.0, 8800, 150
0.8, 3400, 85
1.0, 8200, 80
1.8, 2800, 150
2.0, 3200, 200
0.5, 33000, 85
0.6, 6300, 110
W/L 5022'±
W/L 3614'±
W/L 3576'±
W/L 3689'±
W/L 3318'±
W/L 3919'±
W/L 3400'±
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MILES
1 0 2
1 0 3
KILOMETRES
Gulf Minerals Canada Limited
CORDILLERAN SEDIMENTS PROJECT
RECONNAISSANCE
STREAM GEOCHEM SURVEY
(HEAVY MINERAL CONCENTRATES)
Ag, Ba, V
values in PPM
YUKON TERRITORY
DATE: APRIL 1980
SCALE: 1 50,000
DRAWN BY: S.R., OCT/ 80
PLATE: N.T.S. 105J/7

10005600 74