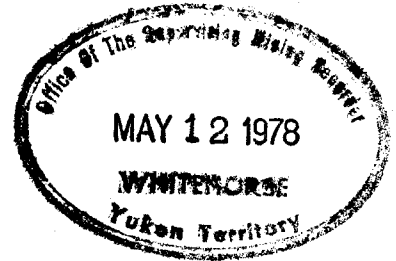




COMINCO LTD.

EXPLORATION

WESTERN DISTRICT
February 15, 1978



GEOLOGICAL AND GEOCHEMICAL REPORT ON THE
RITZ CLAIMS 1-80
NAHANNI AREA, YUKON TERRITORY

by

A.J. Boronowski

under the Supervision of

D.W. Heddle, P. Eng.

July 25 - 26, 1977
August 6 - 8, 1977

Latitude: 62°31' Longitude: 129°32'

N.T.S. 105-I-5 & 12

090355



This report has been examined by the
Geological Survey of Canada and is recom-
mended to be filed and should be consider-
ed as a report of the Geological Survey of Canada of

\$9100.00

J. B. Craig

~~Minister of the Interior~~

Considered as a presentation unit under
Section 53 (2) of the Mines Act.

B. R. BAXTER
Supervising Mining Recorder

[Signature]
Comptroller of the Mines

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EXPLORATION

WESTERN DISTRICT
February 15, 1978

GEOLOGICAL AND GEOCHEMICAL REPORT ON THE

RITZ CLAIMS 1-80

NAHANNI AREA, YUKON TERRITORY

Latitude 62°31' Longitude 129° 32'

N.T.S. 105-I-5 & 12

INTRODUCTORY STATEMENT

The Ritz property, situated in the Selwyn Clastic Basin, is 14 miles west-northwest of the Howard's Pass deposit, and 100 miles northeast of Ross River, Y.T. The 80 Ritz claims are located on staking sheets 105-I-5 & 12. The Ritz property is owned 100% by Cominco Ltd.

The geological and geochemical surveys described herein were performed July 25, 26, August 6, 7, 8, 1977 by field staff of Cominco Ltd. The mapping and geochemical sampling was executed by A.J. Boronowski, M.J. Casselman, U. Das Gupta, J. Faubert, A.L. MacGregor, R. Morris, K.R. Pride and J.A. Turner. The program was supervised by A.B. Mawer, Senior Geologist and D.W. Heddle, Assistant Manager, Western District, Cominco Ltd. The report has been prepared by A.J. Boronowski, Geologist, Western District.

Geological mapping, which was restricted owing to overburden cover, was completed at a scale of 1 inch = 1000 feet. Geological and Rock Geochemical data is shown on Plate R8 at a 1 inch = 1000 feet scale. A preliminary soil survey Cu Pb Zn Ag Ba was executed prior to a detail geochemical grid survey and this data is shown on Plates R4, 5, 6, 7 at an airphoto scale of 1 inch = 2640 feet. Only above threshold values are indicated on the preliminary survey. The detail soil geochemical survey Pb Zn Ba are shown on Plates R9, 10, 11 at a scale of 1 inch = 1000 feet. A regional location map (R1) at 1:25,000, a claim group configuration map (R2) at 1 inch = 2640 feet and a preliminary soil survey traverse location map R3 at 1 inch = 2640 feet are included. Ground control was maintained by using 1 inch = 2640 feet air photos in conjunction with pace and compass traverses and cut lines for the soil grid geochemistry.

Location and Access

The Ritz property is located in the Pelly River Area of the Nahanni map sheet, Yukon Territories, approximately 100 air miles northeast of Ross River, 14 miles northwest of Summit Lake, 20 miles south of the headwaters of the South Nahanni River and 22 due north of Mt. Pike on Nahanni Map Sheet 105 I. The only access to the property at present is by aircraft, although a road is being constructed to the Howard's Pass deposit 14 miles to the southeast.

Mobilization and camp services were directed through Ross River to Fuller Lake, Y.T. where a base camp was established.

Men and equipment were ferried between the base camp and property by a Bell 206 Jet Ranger helicopter.

Topography

The property is located 8 miles west of the Continental Divide, between 4000 and 4500 feet above mean sea level. The property lies near the valley bottom which has a generally rolling, gentle relief.

The property straddles a small creek which drains northward into a tributary of the Pelly River. The property has less than 1% outcrop, coverage is due to glacial debris and soil development. Coniferous trees with less than 1 ft. butts are growing over the entire property.

GENERAL GEOLOGY

The Selwyn Basin, a sedimentary clastic basin, which parallels the Rocky Mountain trend in the Yukon Territory is underlain predominantly by Ordovician to Mississippian sediments. The Ordovician-Silurian Road River Formation marks the period when the synsedimentary Zn Pb deposits of Howard's Pass were formed. The Tom and Jason Pb Zn deposits of the Selwyn Basin occur in Devonian age sediments of the Canol Formation.

The bedded sulphide deposits, such as Howard's Pass, were deposited contemporaneously with sedimentation in an anerobic, basinal environment. The present accepted theory suggests that fault adjustments in the crust produced the conduits along which mineralizing solutions reached the basin bottom and precipitated as sulphides.

The Ritz property lies west of, and is believed to lie in, a separate sub-basin or the western portion of the Howard's Pass sub-basin.

The property is underlain by calcareous shales, carbonaceous shales and black chert beds of the Road River Formation.

Very limited exposure hinders interpretation of the local structural and geological trends, but a regional trend suggests that the strike is to the N.W. with broad to tight folds trending N.W.

ROCK TYPESTABLE OF FORMATIONS

Unit 1 Wavy Banded Limestone Upper Cambrian - Lower Ordovician

Only one outcrop of this unit has been discovered on the Ritz property. It is light-grey to weakly buff-brown weathering and varies from fine to medium laminated to fairly massive. It is composed of an intermixture (rip-up fragments) of dolomitic and calcareous siltstone and mudstone. Differential weathering of the dolomite and carbonate results in a corrugated or "Swiss Cheese" surface texture (wavy banded).

Unit 2 Road River Formation - Carbonaceous, graptolitic shale - Upper Ordovician - Lower Silurian

This unit outcrops along the creek beds. It is black, grey-black weathering, very finely laminated and thin bedded. The predominant rock type is a black carbonaceous mudstone which contains graptolites. Occasional thin interbeds of black calcareous mudstones and black cherty mudstones were observed. The exposures of this unit lie along strike, so that the thickness of the unit was not determined.

Unit 3 Aplite Dyke - Cretaceous

One exposure of this unit exists on the property and cuts Unit 2. The dyke is very fine grained, light grey and composed of quartz and feldspars.

MINERALIZATION

Abundant disseminated and knots of pyrite have been discovered in Unit 2. Barite veins (<6" wide) of undetermined age cut Unit 2. No base metal mineralization has been found in place, but a high grade float boulder (2.25% Pb, 13% Zn, 1.5 oz/T Ag) was discovered near the Ritz #2 showing.

GEOCHEMISTRY

A preliminary soil survey was conducted at 150 ft. sample intervals along pace and compass traverses. This survey lead to a detail soil grid survey, which was executed at 300 ft line spacing and 150 ft sample intervals.

In general B1 soils were collected, however in extremely swampy areas it was necessary to take a more organic sample. Samples for the preliminary soil survey were analyzed in Cominco's Vancouver laboratory. Analysis for CuPbZn and Ag was by AA and for Ba by XRF. Samples from the detailed grid were analyzed for PbZn and Ba only, for Pb by AA and for Zn and Ba by portable XRF in the field. Results from the field XRF unit were routinely checked in the Vancouver laboratory. Soils were air dried and sieved to -80 mesh. samples that were analyzed by AA were digested in 20% hot nitric acid. Thresholds were determined from cumulative frequency plots and were found to be 200, 100, >1000, and 2.2, for Cu Pb Zn Ag respectively. The cumulative frequency plot for Ba was found to contain three populations. These were: Ba <0.1%, 0.1 to .4%, and >0.4%. The >0.4% was assumed to be the anomalous population.

RESULTS

Copper

Only samples from the preliminary survey were analyzed for copper and few copper anomalies are present. There is a slight clustering in the vicinity of the Ritz #2 showing.

Lead

Lead anomalies center along the main creek drainages in the northern half of the soil grid survey. The most northern anomaly is open to the north. This anomaly contains a coincident VLF anomaly.

Zinc

Zinc anomalies also parallel the main creek drainage, and are stronger in the northern half of the grid. The most northern anomaly is open to the north and coincident with the VLF and Lead anomalies.

Silver

Anomalous clustering of Ag values of the preliminary survey lie outside of the soil grid area on both sides of the grid. The soil grid survey will be enlarged to cover these areas.

Barium

Barium is anomalous for the entire strike length of the main creek drainage. The data is slightly confusing owing to three population groups. Group A with a threshold value of >0.4% Ba is thought to reflect synsedimentary Barite. Population B 0.1% - 0.4% probably reflects veined barite which is common in this area. Population C <0.1% Ba could represent background values.

GEOPHYSICS

A one day VLF and magnetometer survey delineated two weak VLF conductors which were coincident with Pb Zn geochemical anomalies. The occur at 300E/4200NNW and 450E/5400NNW to 900E/6000NNW, shown as a stiple on the geology map (Plate 7).

The magnetics did not produce any anomalous area. The Ritz #2 showing and the high grade float, lies along the linear geochemically anomalous zone.

CONCLUSIONS

The Ritz property is underlain by the favourable stratigraphy of Unit 2. A linear geochemically anomalous zone paralleling the strike, this favourable stratigraphy and presence of a high grade float boulder, which may be locally derived, makes this property an attractive target area.

Report by: A.J. Boronowski
A.J. Boronowski
Geologist

AJB/pcd

Endorsed by: D.W. Heddle
D.W. Heddle, P. Eng.
Assistant Manager

Distribution
3 Mine Recorder
1 Western District
1 AJB

Approved for
Release by: G. Harden
G. Harden, Manager
Western District

APPENDIX

GEOCHEMICAL RESULTS OF THE PRELIMINARY SOIL SURVEY (TRAVERSE LINES)

<u>A to A'</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	<u>Ag (ppm)</u>	<u>Ba %</u>
	60	33	840	0.9	
	62	36	570	0.9	
	122	48	850	1.2	
	92	28	620	1.1	
	68	30	530	1.0	
	100	48	770	1.0	
	84	49	800	0.8	
	88	46	1800	0.6	
	375	23	1150	1.8	
	210	33	3400	2.0	
	104	25	630	1.8	
	200	54	810	2.8	
	106	29	640	1.9	
	122	58	630	1.8	
	100	25	590	1.3	
<u>B to B'</u>					
	42	136	265	0.9	0.16
	104	25	450	1.5	0.12
	56	32	350	1.4	0.08
	86	120	4500	0.8	0.02
	52	250	1850	0.6	0.06
	148	370	4700	1.4	0.08
	570	56	1000	9.3	0.14
	112	52	830	2.4	0.28
	124	210	1150	1.6	0.34
	56	27	370	0.5	0.14
	130	17	380	1.4	0.12
	100	32	620	1.5	0.12
	92	31	410	1.3	0.08
	66	35	450	0.8	0.20
	56	23	410	0.9	0.18
	78	32	1040	1.3	0.18
	66	31	820	0.8	0.26
	54	25	360	0.6	0.21
	56	32	450	0.6	0.38
	46	33	390	0.4	0.14
	64	56	460	1.2	0.20
<u>C to C'</u>					
	118	200	2800	.9	
	116	750	1900	1.2	
	84	330	1200	1.0	
	182	260	3300	1.7	
	102	7800	2600	0.5	
	70	1200	3200	0.3	

2.

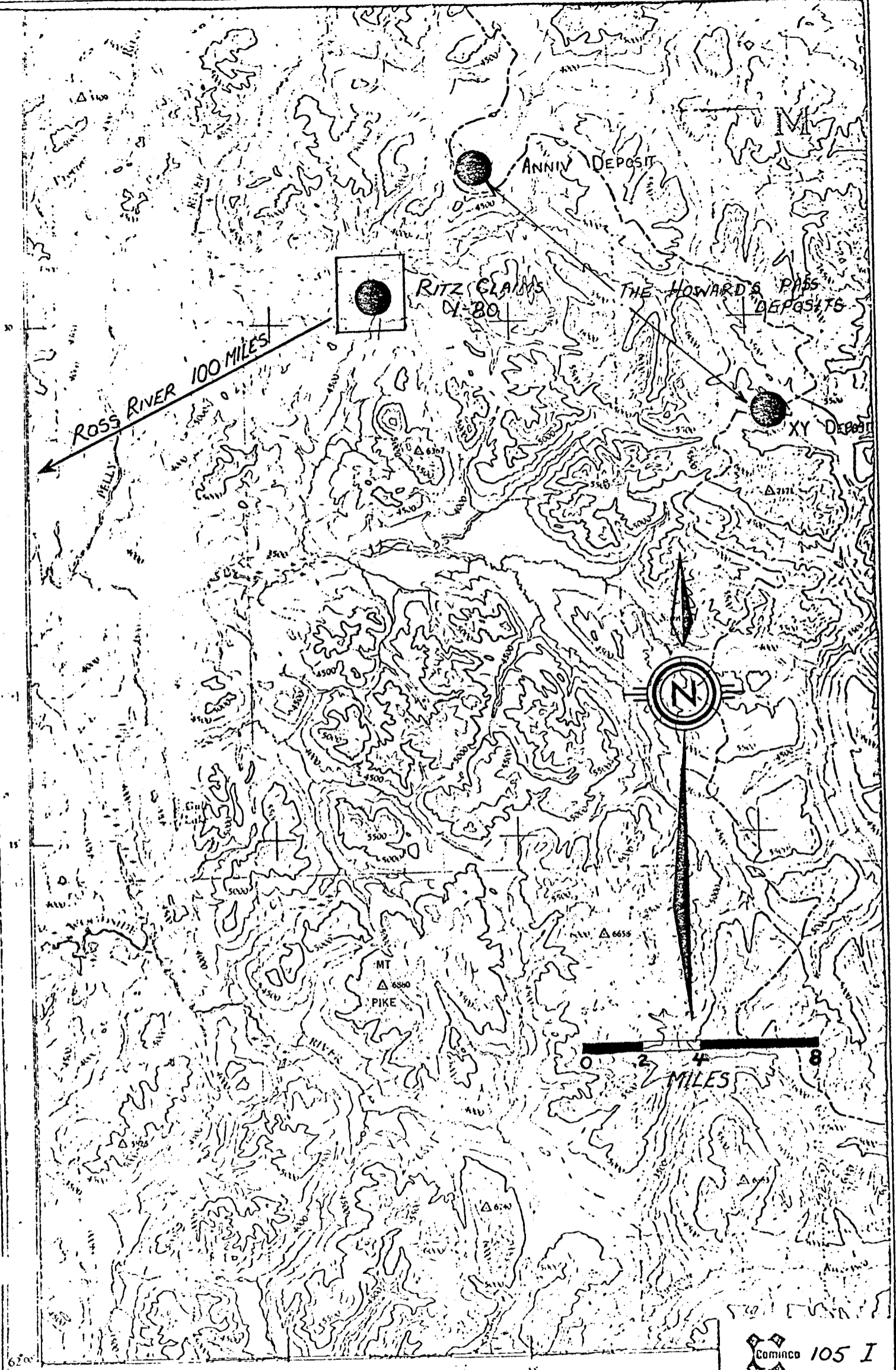
<u>C to C'</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Ba</u>
	72	2400	2400	0.3	
	62	1300	1900	0.3	
	102	104	870	1.2	
<u>D to D'</u>					
	47	37	390	1.1	.24
	112	41	340	2.4	.10
	82	33	520	.7	.06
	96	80	600	.7	.30
	98	178	1200	1.3	.18
	80	82	670	1.6	.08
	160	37	890	2.0	.30
	70	23	500	1.6	.11
<u>E to E'</u>					
	26	13	114	1.2	
	38	19	190	1.2	
	38	27	180	1.5	
	30	22	120	1.8	
	16	4	52	1.2	
	68	25	240	.9	
	40	20	270	.3	
	8	5	42	.6	
	60	23	290	.8	
	36	21	172	.2	
	52	39	390	1.0	
	23	11	130	.8	
<u>F to F'</u>					
	42	30	1600	1.6	.26
	45	20	445	1.4	.08
	32	35	176	.7	.05
	49	74	310	.3	.04
	48	49	370	1.0	.02
	23	45	235	.4	.04
	18	15	47	.4	.03
	25	46	235	.3	.04
	42	47	136	.2	.02
	92	46	450	4.2	.01
	70	21	230	3.8	.22
	5	5	18	1.2	.04
	36	16	210	.8	.03
	74	21	515	1.1	.14
	45	18	260	.6	.04
	29	15	162	.2	.02
	100	25	870	3.2	.06
	86	20	650	1.6	.06
	130	25	1200	2.8	.12
	72	27	630	1.2	.08
	84	96	2200	1.9	.20

<u>F to F'</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Ba</u>
	54	34	490	.6	.02
	80	68	3400	3.2	.04
	33	10	355	.3	.10
	106	27	1060	1.3	.48
	98	24	570	.8	.16
	64	23	360	1.0	.18
	62	25	280	.9	.24
	78	33	385	.7	.28
	76	29	380	1.0	.20
	72	31	570	1.2	.16
	48	82	440	1.1	.20
	74	35	420	.8	.22
	21	14	128	1.0	.01
	66	36	245	.3	.08
	106	34	465	1.3	.32
	200	62	1080	2.8	.14
	56	29	178	1.2	.11
	76	30	510	.3	.22
	140	33	1700	2.3	.18
	48	23	525	.8	.08
	35	27	320	1.7	.08
	136	30	1100	2.6	.21
	130	31	1250	2.5	.22
	90	25	980	2.0	.36
	128	26	1300	2.3	.24
	24	16	160	.1	.06
	5	3	26	.3	.03
	21	11	164	.3	.04
	35	29	235	2.0	.04
	32	29	200	.4	.04
	76	31	295	1.2	.28
	106	30	535	.8	.38
	56	22	275	.7	.19
	54	21	250	1.3	.08
	78	27	375	1.2	.20
	94	26	445	.9	.44
	84	23	1650	.8	.30
	114	32	1100	1.5	.10
	136	34	890	1.8	.12
	138	39	780	1.3	.16
	82	24	1040	1.1	.20
	74	13	3100	.9	.09
	112	28	400	.1	.21
	100	18	800	.9	.18
	48	24	350	.3	.08
	225	33	850	2.6	.30
	48	18	480	.3	.18
	126	27	465	.8	.38
	106	27	360	.7	.14

<u>G to G'</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Ba</u>
	52	40	570	.2	
	62	29	450	.1	
	4	5	24	.1	
	5	5	18	.1	
	4	4	18	.1	
	56	34	430	.7	
	44	37	430	.8	
	56	33	460	.4	
	170	30	650	1.2	
	21	8	80	.2	
	76	28	380	.1	
	39	17	240	.1	
	37	16	240	1.4	
	47	9	200	1.7	
	41	21	350	.6	
	82	26	550	.7	
	66	26	660	1.4	
	35	45	132	3.3	
	3	3	16	.2	
	68	33	650	1.4	
	43	19	410	.3	
	66	29	350	.7	
	122	36	760	.8	
	70	37	380	.3	
	43	33	220	1.2	
	98	30	440	1.0	
	148	31	690	.1	
	38	15	270	1.1	
	33	19	300	1.7	
	88	49	680	1.3	
	58	25	310	.6	
	60	74	380	.5	
	285	40	620	.5	
	100	31	1400	1.5	
	150	30	1700	2.3	
	112	26	970	2.6	
	74	24	600	1.7	
	68	27	178	1.2	
	86	36	360	.3	
	82	32	250	.2	
	84	34	640	1.0	
	74	29	400	1.2	
	25	9	142	.6	
	146	154	660	1.2	
	62	29	1600	.9	
	70	45	330	1.6	
	49	29	280	.4	
	58	39	490	.6	
	86	31	500	.4	
	46	29	140	.8	

<u>G to G'</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Ba</u>
	76	33	400	.8	
	96	31	370	.9	
	90	27	440	.7	
	92	32	430	1.2	
	64	33	260	.8	
	104	26	390	.7	
<u>H to H'</u>					
	49	12	142	2.5	.08
	17	7	26	.7	.06
	35	16	120	.1	.04
	29	14	92	.3	.04
	24	12	94	.1	.03
	14	9	102	.1	.03
	66	25	280	.1	.03
	37	15	152	.4	.04
	27	11	60	.1	.04
	60	13	164	3.8	.08
	39	23	142	.4	.04
	32	21	110	.7	.03
	54	28	270	.3	.04
	70	19	290	2.5	.11
	94	16	270	4.3	.12
	90	17	540	5.8	.17
	94	14	440	3.2	.16
	186	19	1400	4.2	.17
	41	15	200	.8	.03
	40	20	290	.4	.04
	23	7	54	1.2	.04
	43	9	620	3.7	.04
	72	15	900	3.3	.06
	28	17	390	.8	.06
	19	25	104	1.2	.02
	43	19	260	.9	.06
	58	29	1200	.8	.12
	64	70	800	1.3	.10
	68	25	610	.9	.08
	49	20	340	.1	.04
	44	24	370	1.8	.04
	43	16	330	1.6	.02
	72	29	350	.2	.08
	62	34	360	.4	.01
	62	29	300	.4	.02
	56	27	370	1.2	.06
	31	17	182	.7	.02
	106	27	540	.9	.03

<u>I to I'</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Ba</u>
	36	7	72	.7	.02
	27	13	90	.1	.04
	20	9	74	.2	.02
	26	32	70	.2	.01
	36	1	82	3.4	.10
	26	6	66	2.8	.16
	34	10	142	.9	.02
	37	11	100	.4	.02
	38	11	130	1.2	.11
	19	9	60	.6	.04
	19	7	70	.9	.04
	59	14	154	.1	.04
	21	3	58	.1	.03
	142	21	450	5.5	.16
	36	9	182	.7	.12
	205	31	1000	4.3	.14
	235	35	1000	4.2	.09
	21	20	110	.4	.04
	106	29	780	5.6	.12
	32	9	188	1.8	.06
	47	17	260	3.4	.08
	70	18	450	1.2	.08
	23	7	250	.4	.06
	46	18	430	.7	.10
	56	28	760	2.0	.14
	144	31	1750	2.9	.12
	62	38	520	.4	.06
	46	14	180	.4	.18
	48	15	330	.3	.14
	36	13	260	.8	.10
	17	5	64	1.3	.06
	54	21	450	1.1	.12
	46	18	230	2.1	.06
	47	15	270	3.0	.06
	58	24	440	1.1	.07
	42	14	290	.3	.09
	66	26	380	1.2	.04
	60	21	340	1.2	.06
	36	29	260	.3	.03



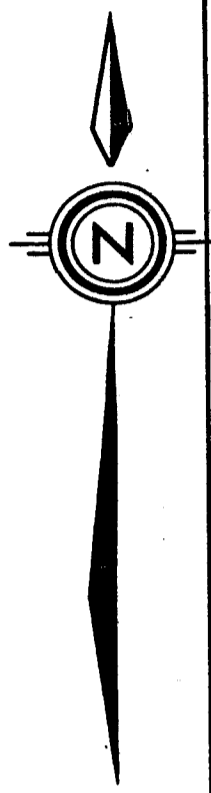
COMINCO 105 I

Drawn by:		Traced by:	
Drawn by	Date	Traced by	Date
CYH			

RITZ CLAIMS
1-80
LOCATION

Scale: 1 in = 4 miles Date: OCT. 77 Plate: R. 1.

19 YA 21563	20 YA 21564	39 YA 21607	40 YA 21608	59 YA 21627	60 YA 21628	79 YA 21639	80 YA 21640
17 YA 21561	18 YA 21562	37 YA 21605	38 YA 21606	57 YA 21625	58 YA 21626	77 YA 21637	78 YA 21638
15 YA 21591	16 YA 21592	35 YA 21603	36 YA 21604	55 YA 21623	56 YA 21624	75 YA 21635	76 YA 21636
13 YA 21589	14 YA 21590	33 YA 21601	34 YA 21602	53 YA 21621	54 YA 21622	73 YA 21633	74 YA 21634
11 YA 21587	12 YA 21588	31 YA 21599	32 YA 21600	51 YA 21619	52 YA 21620	71 YA 21575	72 YA 21576
9 YA 21585	10 YA 21586	29 YA 21597	30 YA 21598	49 YA 21617	50 YA 21618	69 YA 21573	70 YA 21574
7 YA 21583	8 YA 21584	27 YA 21595	28 YA 21596	47 YA 21615	48 YA 21616	67 YA 21571	68 YA 21572
5 YA 21581	6 YA 21582	25 YA 21593	26 YA 21594	45 YA 21613	46 YA 21614	65 YA 21569	66 YA 21570
3 YA 21579	4 YA 21580	23 YA 21567	24 YA 21568	43 YA 21611	44 YA 21612	63 YA 21631	64 YA 21632
1 YA 21577	2 YA 21578	21 YA 21565	22 YA 21566	41 YA 21609	42 YA 21610	61 YA 21629	62 YA 21630



Commanco 105-I-5
#12

Drawn by: <i>A.V.B.</i>		Traced by:	
Revised by	Date	Revised by	Date

RITZ CLAIMS 1-80

CLAIM GROUP CONFIGURATION

Scale: *1 in = 2640 ft.* Date: *Feb. 1978* Plate: *R. 2*



0' 2640'

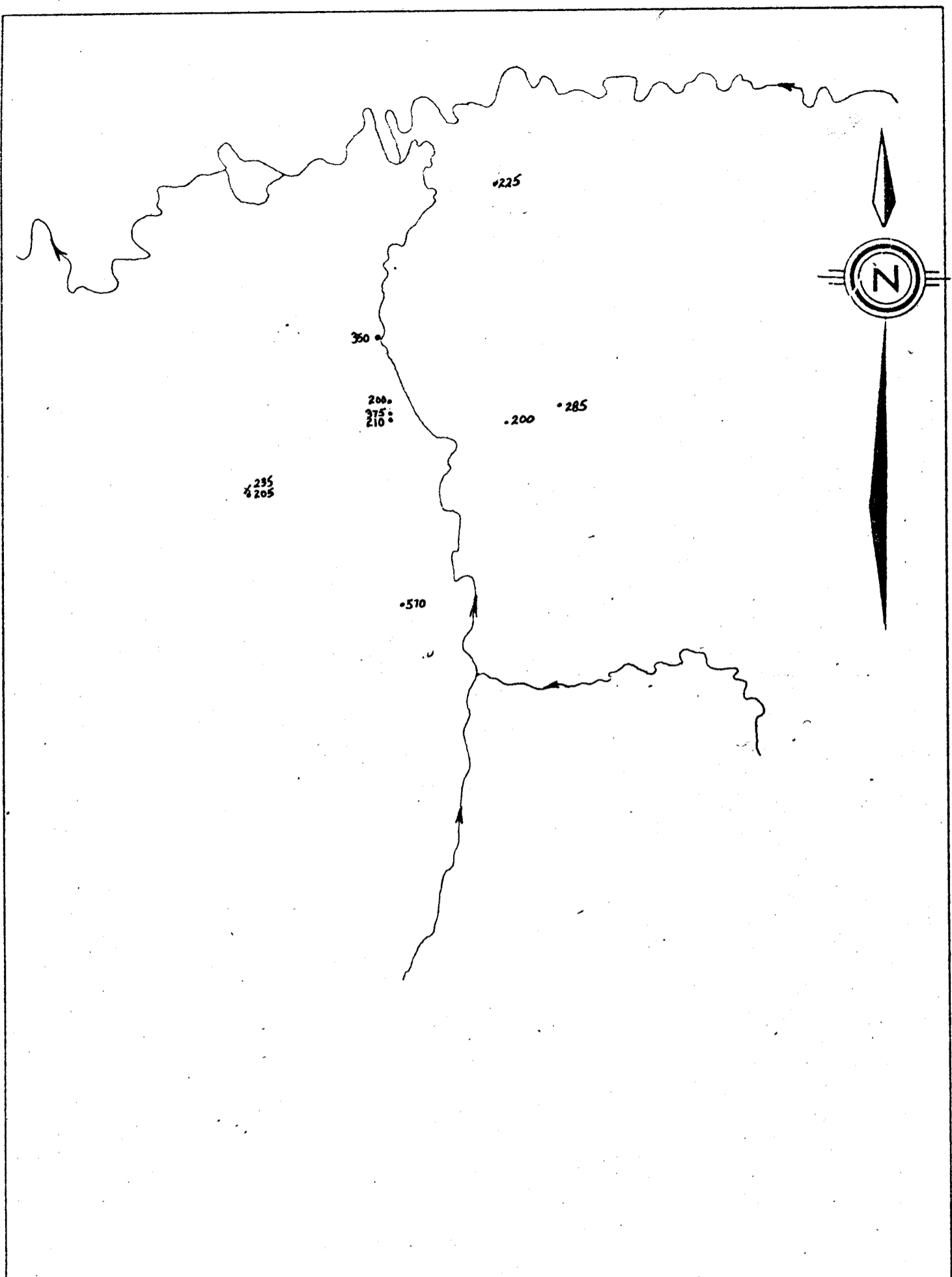


105-1
5 & 12

Drawn by: <i>AJB</i>	Traced by:
Revised by: <i>AJB</i>	Revised by: _____
Date: _____	Date: _____

RITZ CLAIMS 1-80
PRELIMINARY SURVEY
TRAVERSE LOCATIONS

Scale: 1 inch = 2640 ft. Date: FEB. 1978 Plate: R3



LEGEND

• 200 SOIL THRESHOLD

ONLY ABOVE THRESHOLD VALUES LISTED

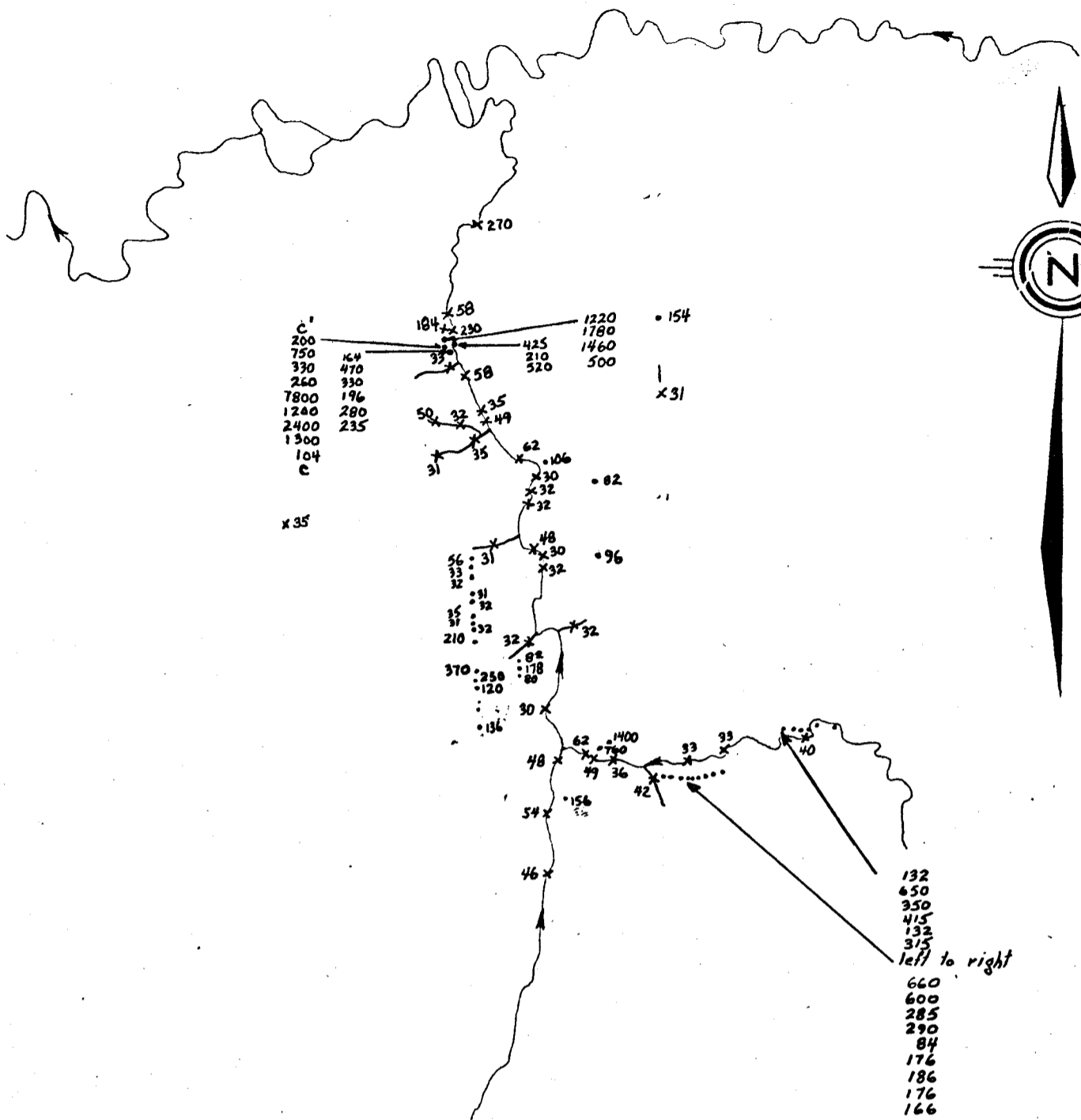


105-I
5 & 12

Drawn by: A.J.B.		Traced by:	
Revised by	Date	Revised by	Date
AJB			

RITZ CLAIMS 1-80
PRELIMINARY SURVEY
CU GEOCHEMISTRY

Scale: 1 inch = 2640 ft. Date: FEB. 1978 Plate: R. 4



C'
200
750
330
240
7800
1240
2400
1300
104
C

184 x 58
x 230
425
210
520
500

• 154
• 31

x 35

50 x 32
x 49
31
35
62
106
x 30
x 32
• 82

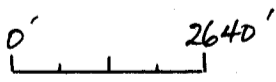
56 • 31
33 •
32 •
35 • 31
37 • 32
210 • 32
370 • 32
• 82
• 178
• 88
• 120
• 136

30 x
48 x
49 x
36 x
42 x
54 x
46 x

132
650
350
415
132
375
left to right
660
600
285
290
84
176
186
176
166

LEGEND

x 30 SILT } THRESHOLD
• 80 SOIL }



ONLY ABOVE THRESHOLD VALUES LISTED

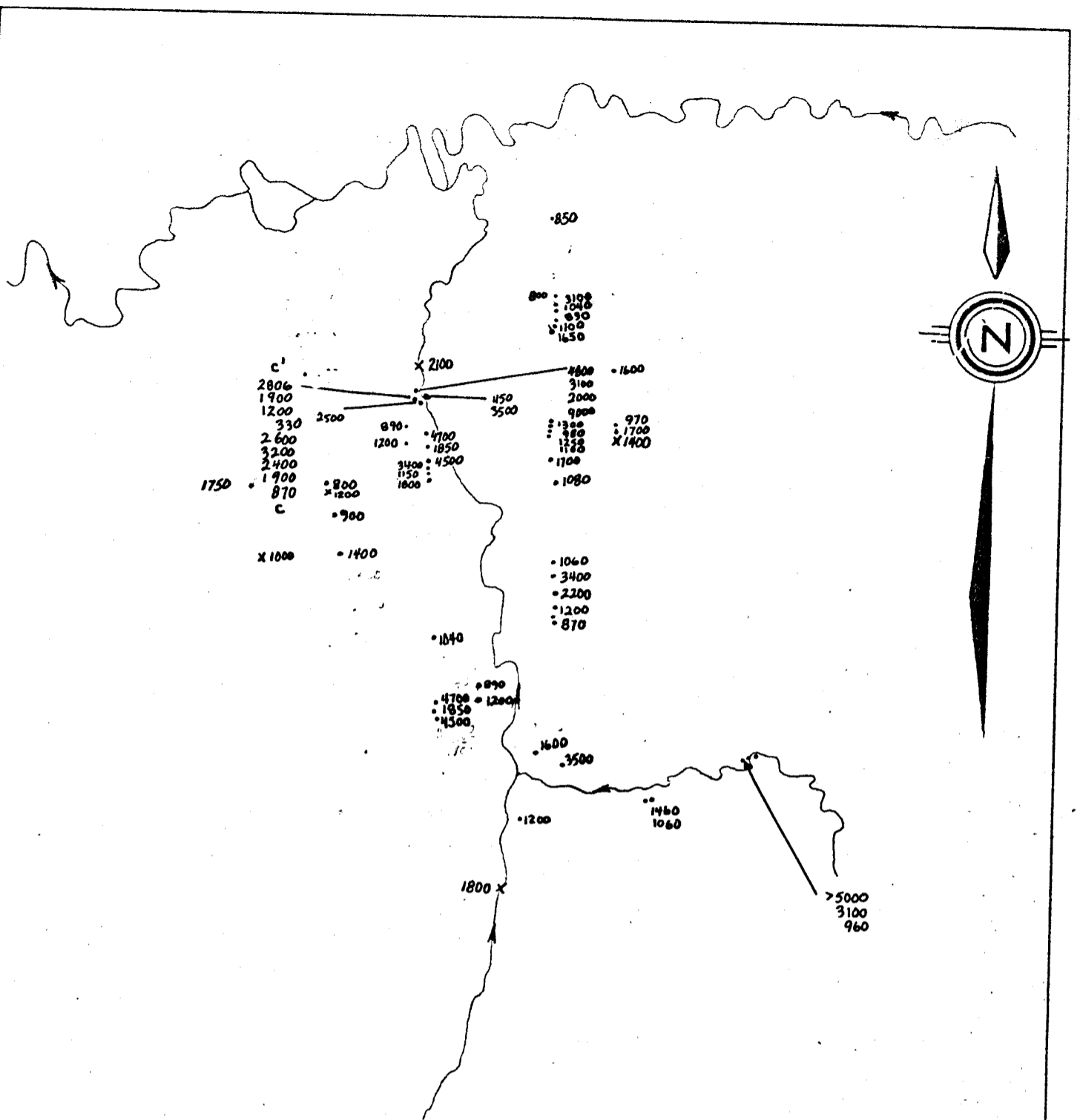


105-I
5 & 12

Drawn by: <i>AJB</i>		Traced by:	
Revised by	Date	Revised by	Date
<i>AJB</i>			

RITZ CLAIMS 1-80
PRELIMINARY SURVEY
PB GEOCHEMISTRY

Scale: 1 inch = 2640 ft. Date: FEB. 1978 Plate: R5



LEGEND

x 1400 SILT } THRESHOLD
 • 800 SOIL }



ONLY ABOVE THRESHOLD VALUES LISTED

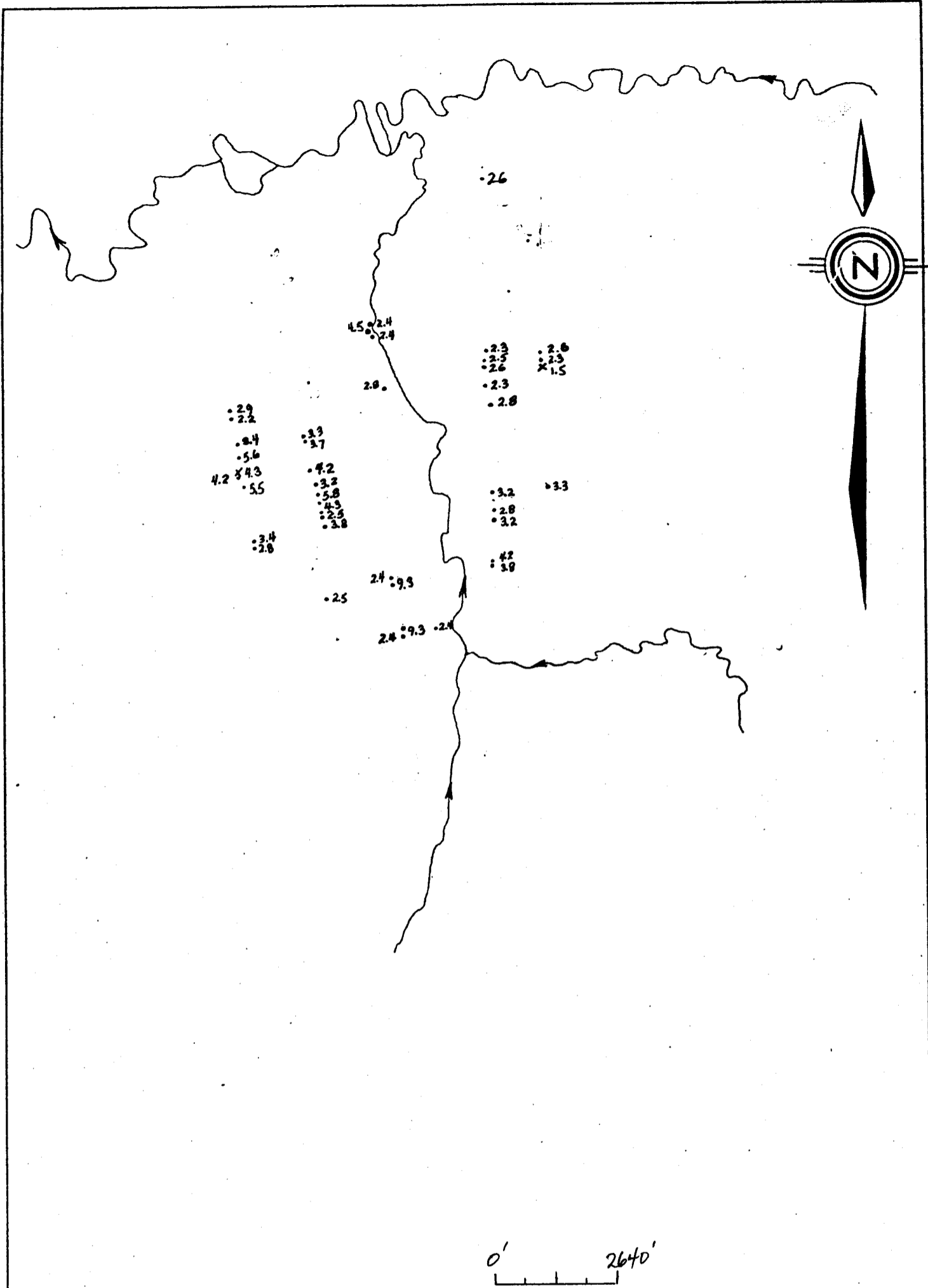


105-I
5/12

Drawn by: A.J.B.	Traced by:
Revised by: Date	Revised by: Date
A.J.B.	

RITZ CLAIMS 1-80
 PRELIMINARY SURVEY
 Zn GEOCHEMISTRY

Scale: 1 inch = 2640 Ft. Date: FEB. 1978 Plate: R6



LEGEND

• 2.2 SOIL THRESHOLD

ONLY ABOVE THRESHOLD VALUES LISTED



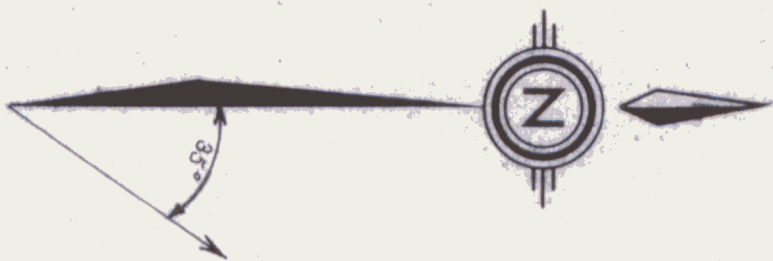
105-I
5&12

Drawn by: <i>A.J.B.</i>		Traced by:	
Revised by	Date	Revised by	Date
<i>A.J.B.</i>			

RITZ CLAIMS 1-80
PRELIMINARY SURVEY
Ag GEOCHEMISTRY

Scale: 1 inch = 2640 ft. Date: FEB. 1978 Plate: R7

0
500
1000
2000
FEET



Rx 164, 235
 Rx 170, 460
 Rx 330, 2500
 Rx 196, 225
 Rx 280, 675
 Rx 235, 415
 So 200, 2800
 So 750, 1900
 So 330, 1200
 So 260, 330
 So 1800, 2600
 So 1200, 3200
 So 2400, 2400
 So 1300, 1900
 So 104, 870

Rx 200, 525
 Rx 205, 600
 Rx 180, 580

FLOAT Rx 22,500, 130,000, 5.8

Rx 210, 405

RITZ #2

Rx 190, 38

Rx 56, 295
 Rx 84, 168
 Rx 47, 350
 Rx 190, 950
 Rx 34, 280
 Rx 31, 530
 Rx 40, 43

RITZ #1
 Rx 940, 580
 Rx 370, 290
 So 14,000, 3500

TRIBUTARY OF THE PELLY RIVER

LEGEND

- APLITE DYKE - CRETACEOUS
- CARBONACEOUS, GRAPTOLITIC SHALE - ORD.-SIL. CHERT, CALCAREOUS PHASES.
- WAVY BANDED LIMESTONE - ORD.

SYMBOLS

- RITZ #1 SHOWING
- OUTCROP
- BEDDING
- V.L.F. ANOMALY AND TRACE

ROCK GEOCHEM: Rx 56, 295 Pb, Zn ppm.
 SOIL GEOCHEM So 200, 2800 Pb, Zn ppm.

Coincident geochemical and geophysical anomalies

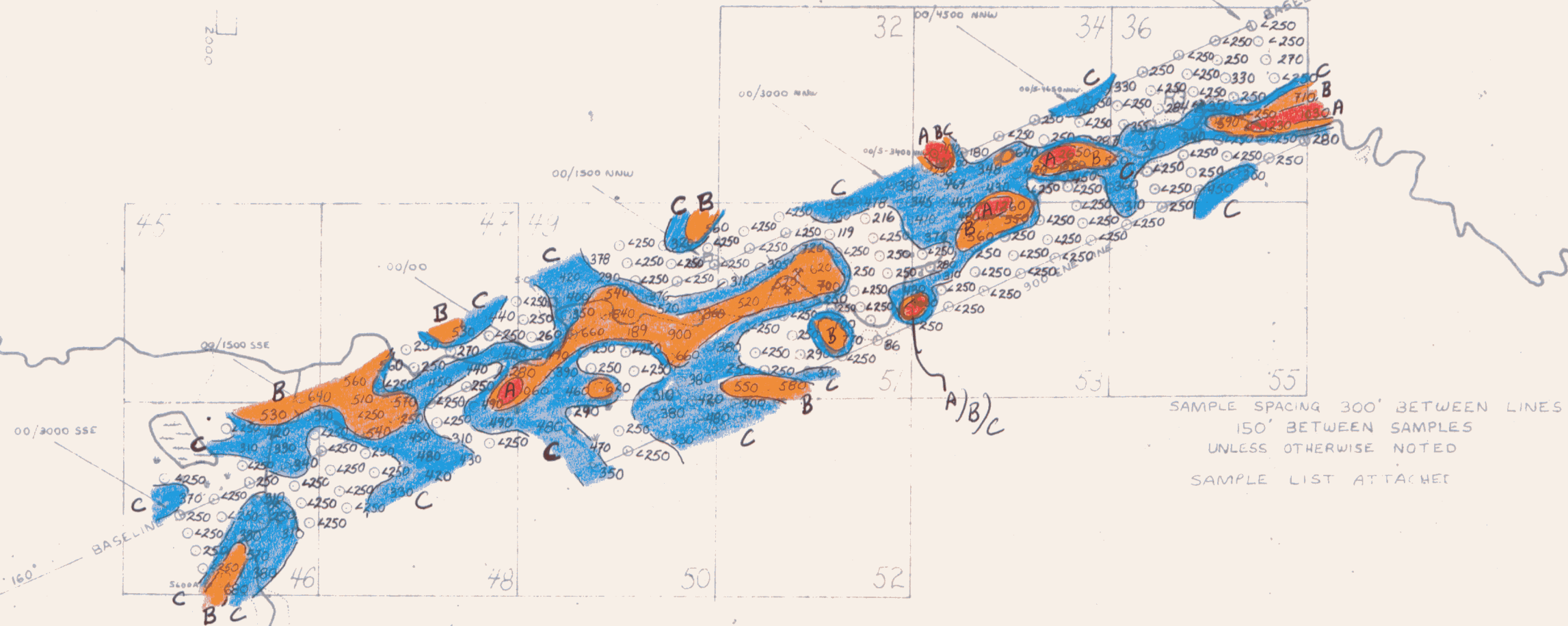
RITZ CLAIMS



Drawn by: AUB	Traced by:
Revised by: Date	Revised by: Date

GEOLOGY
 ROCK GEOCHEMISTRY
 GEOPHYSICS

Scale: 1 in = 1000 feet Date: OCT. 1977 Plate: R 8



SAMPLE SPACING 300' BETWEEN LINES
150' BETWEEN SAMPLES
UNLESS OTHERWISE NOTED
SAMPLE LIST ATTACHED

LEGEND

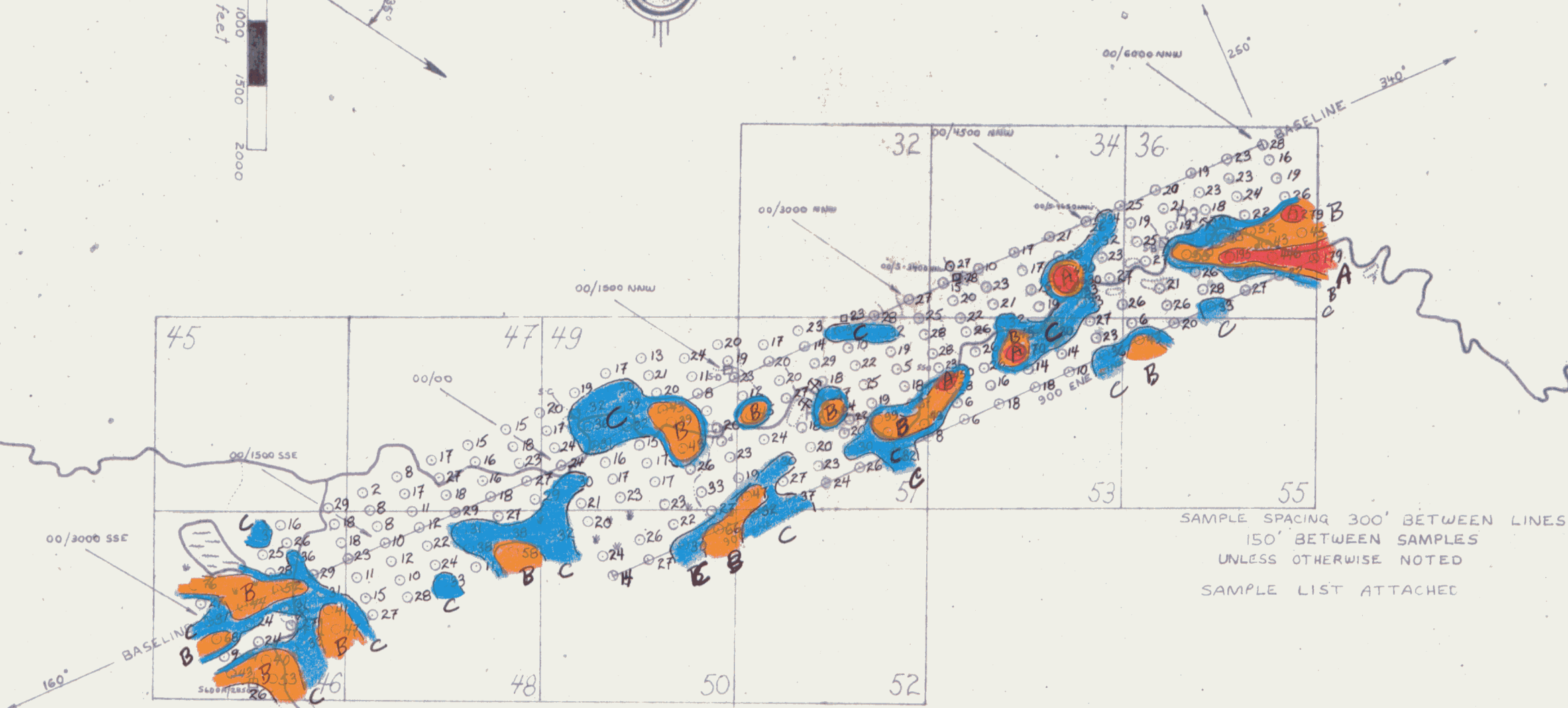
- , □ SOIL, SILT SAMPLE LOCATION
- ⊙ EAST BANK SAMPLES NORTH OF 00/00 NUMBERED AS PAVED FROM FLAGGED 900 ENG LINE THESE SAMPLES HAVE AN "E" AS FIRST FIGURE IN GRID COORDINATE DUE TO FREQUENT COORDINATE DUPLICATION NEAR CREEK WITH WEST BANK SAMPLES DUE TO GREATER DISTANCES THAN ANTICIPATED BETWEEN BASELINE + 900 LINE "d" INDICATES DUPLICATE COORDINATES
- ⊙ WILLOW SWAMP (NOT NECESSARILY FLATLANDS)
- ⊙ OUTCROP, STRATA LOCATION CONFIRMED
- ⊙ OUTCROP STRATA LOCATION NOT CONFIRMED
- X R1 R2, R3 HZ SHEDS

THRESHOLD 1000 ppm

- > 1000 ppm ● A
- 500 - 1000 ● B
- 300 - 500 ● C
- < 300

* <250 lower detection limit of Portable X-ray fluorescence

ZINC GEOCHEMISTRY			
Drawn by JMF	Traced by	RITZ CLAIMS SOIL GRID	
Revised by / Date	Revised by / Date		
AJB / OCT 77			
Scale: 1" = 1000'		Date: 7 AUGUST 77	Plate: R 9



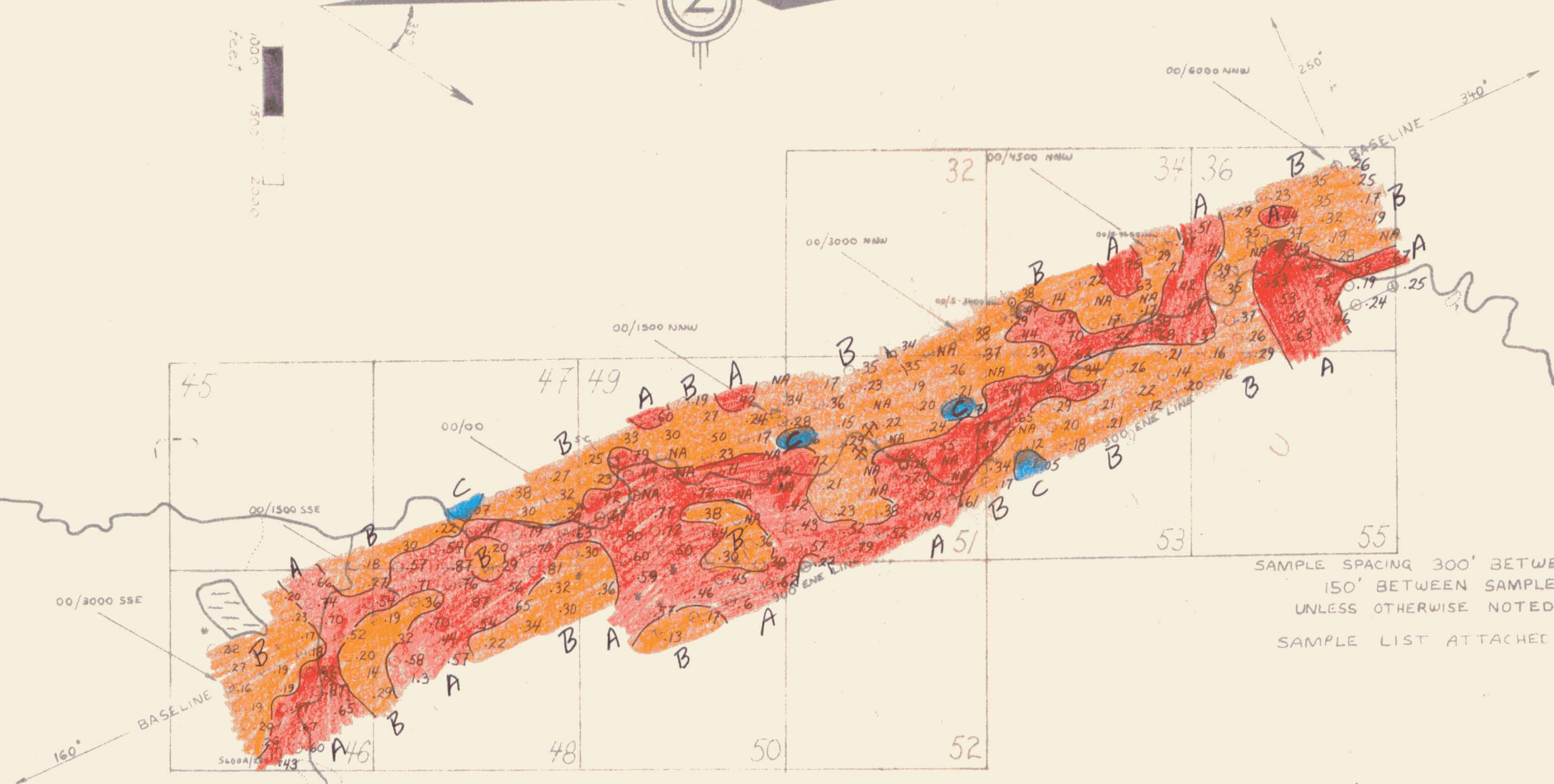
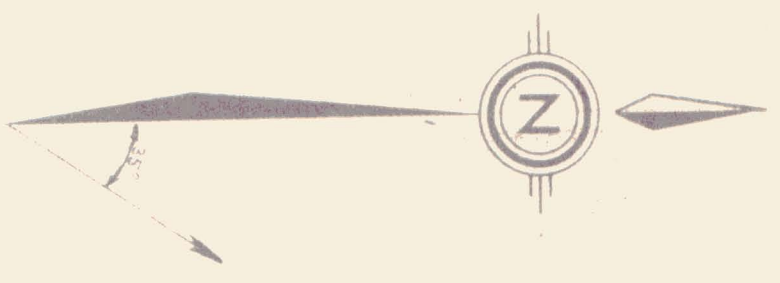
SAMPLE SPACING 300' BETWEEN LINES
 150' BETWEEN SAMPLES
 UNLESS OTHERWISE NOTED
 SAMPLE LIST ATTACHED

LEGEND

- , □ SOIL, SILT SAMPLE LOCATION
- ⊙ EAST BANK SAMPLES NORTH OF 00/00 NUMBERED AS PACED FROM FLAGGED 900 ENE LINE - THESE SAMPLES HAVE AN "E" AS FIRST FIGURE IN GRID CO-ORDINATE DUE TO FREQUENT CO-ORDINATE DUPLICATION NEAR CREEK WITH WEST BANK SAMPLES DUE TO GREATER DISTANCES THAN ANTICIPATED BETWEEN BASELINE + 900 LINE
- "d" INDICATES DUPLICATE CO-ORDINATES
- WILLOW SWAMP - NOT NECESSARILY FLATLANDS
- OUTCROP, STREAM - LOCATION CONFIRMED
- OUTCROP, STREAM - LOCATION NOT CONFIRMED
- X R1, R2, R3 H-Z SHOWINGS

THRESHOLD	100 ppm	
> 100 ppm		A
40 - 100 ppm		B
30 - 40 ppm		C
< 30 ppm		

LEAD GEOCHEMISTRY		
Drawn by: JMF	Traced by:	RITZ CLAIMS SOIL GRID
Revised by: <i>AJB</i>	Date: <i>OCT 77</i>	
Scale: 1" ≈ 1000'		Date: 17 AUGUST 77
		Plate: R 10



SAMPLE SPACING 300' BETWEEN LINES
 150' BETWEEN SAMPLES
 UNLESS OTHERWISE NOTED
 SAMPLE LIST ATTACHED

LEGEND

- , □ SOIL, SILT SAMPLE LOCATION
 - ④ EAST BANK SAMPLES NORTH OF 00/00 NUMBERED AS PAGED FROM FLAGGED 900 ENG LINE THESE SAMPLES HAVE AN "E" AS FIRST FIGURE IN GRID CO-ORDINATE DUE TO FREQUENT CO-ORDINATE DUPLICATION NEAR CREEK WITH WEST BANK SAMPLES DUE TO GREATER DISTANCES THAN ANTICIPATED BETWEEN BASELINE + 900 LINE
 - "B" INDICATES DUPLICATE CO-ORDINATES
 - Willow Swamp; NOT NECESSARILY FLATLANDS
 - OUTCROP, STREAM - LOCATION CONFIRMED
 - OUTCROP, STREAM - LOCATION NOT CONFIRMED
 - X R1, R2, R3 H-Z SHOWINGS
- | | | |
|------------------------|-------------|--|
| ANOMALOUS Population A | > 4000 ppm | A |
| Pop. B | 1000 - 4000 | B |
| Pop. C | < 1000 | C |

BARIUM GEOCHEMISTRY		105 I/12
Drawn by: JMF	Traced by:	RITZ CLAIMS SOIL GRID
Revised by: Date	Revised by: Date	
AJB OCT 77		
Scale: 1" ≈ 1000'		Date: 17 AUGUST 77
		Plate: R. II