1996 ASSESSMENT REPORT

BC 1 - 20 CLAIMS

105 D/16

WHITEHORSE MINING DIVISION, YUKON

by

Larry W. Carlyle, F.G.A.C., P. Geol.

This [illegible] has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 6000.

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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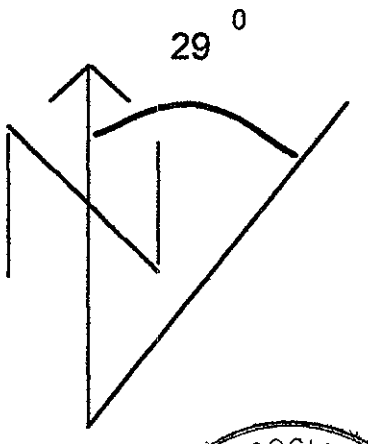
INTRODUCTION:

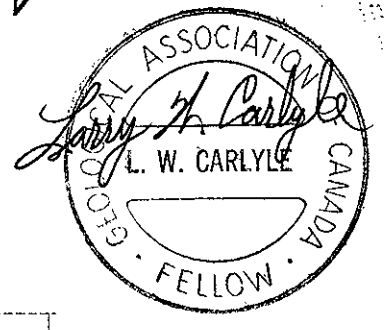
The BC Claims were staked in August, 1995 as a result of Carlyle finding arsenopyrite mineralization as fracture fillings in Joe Mountain volcanics on the northeast edge of a cliff face on a ridge north of Mt. Byng. The claims were also extended toward the southeast to cover arsenopyrite mineralization in bleached and silicified siltstone, located the same year, in a tight creek gully draining northeast from Mt. Byng. The mineralization in the siltstone was called the "Creek Showing" after its location. The mineralization found in the cliff face was called the "R" Zone shortened from the sample number "R-12" taken on the ridge during the original prospecting in 1986. That sample had returned a gold assay of 1.70 opt. and led to the staking, VLF-EM, and grid soil sampling of the area in 1988. The claims covering the area were subsequently let lapse.

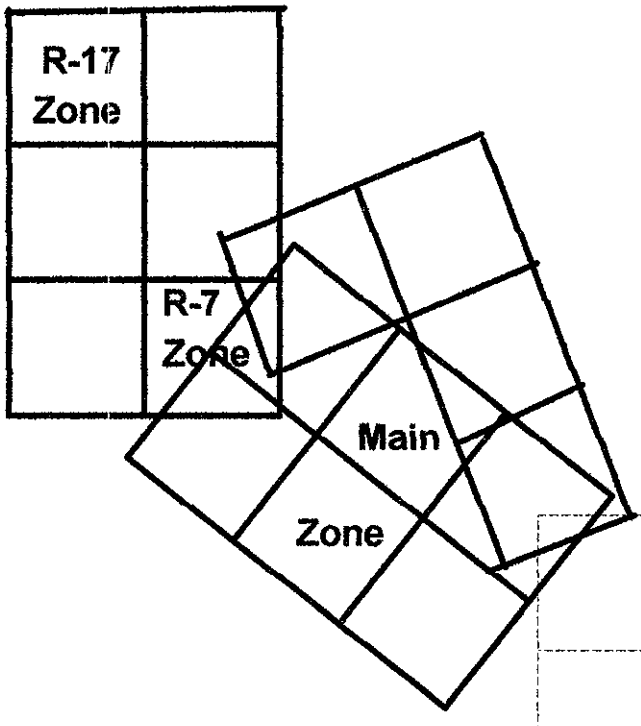
The 20 BC Claims adjoin the 16 BM Claims on the southeast (See BM and BC Claims Drawing). Some of the BM Claims have been held by Larry W. Carlyle and S. Drew MacDonald since July,1986 when the original showing, the Main Zone, was located. From 1986 to the present, sporadic prospecting, claim staking, geological mapping, rock and soil sampling, VLF-EM surveying, as well as hand and blast trenching have been performed on the 2 claim groups.

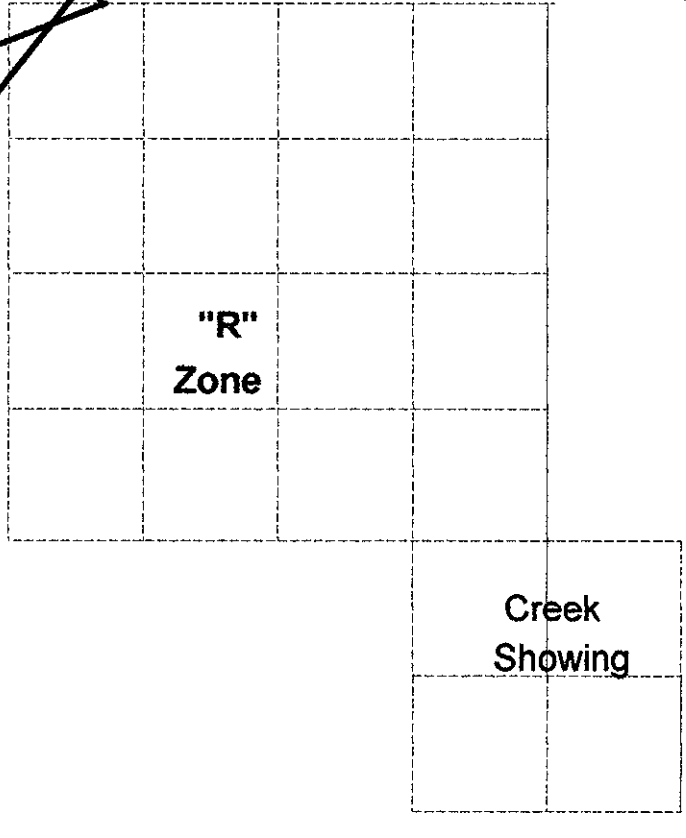
In 1996, Carlyle and his field assistant, Kelsey Brenton, spent from August 21, 1996 until September 2, 1996 doing work on the property. During this time, grid soil sampling, magnetometer surveying and geological mapping was done in the area north and east of the "R" Zone; as well as a small soil sampling grid was done over a part of the "Creek Showing".

BM and BC CLAIMS
SHOWING LOCATIONS









16 BM Claims

20 BC Claims

LOCATION, ACCESS AND CLAIMS:

The BC Claims cover an area of ground north and east of Mt. Byng on NTS Map Sheet 105 D/16.

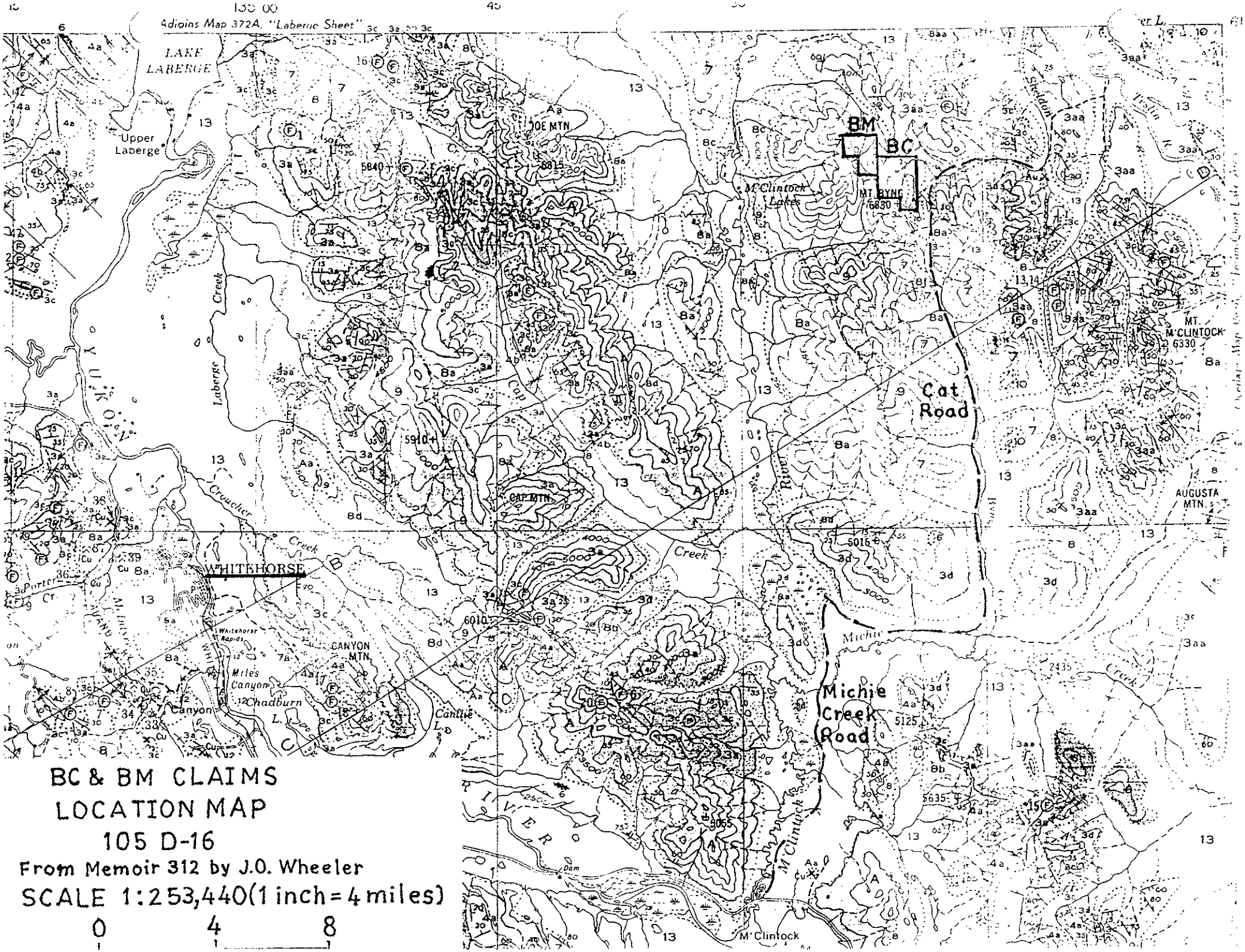
In 1984, a winter road was constructed by placer miners from the Michie Creek road up Byng Creek to the divide and into the headwaters of Sheldon Creek (See Location Map). On July 4, 1996, an unsuccessful attempt was made to access the property with ATV's. The Michie Creek road was in very poor repair in many places, as well, Michie Creek was in flood so was impassable. It became necessary to use a helicopter to reach the property.

CLAIM NAME	GRANT NUMBERS	EXPIRY DATE
BC 1 - 20	YB 58113 - YB 58132	August 28, 1996

PROPERTY GEOLOGY:

The February, 1995 release of preliminary geological mapping on 50,000 scale of the NTS 105 D/16 area has significantly improved the geological knowledge of the area.

Most of the claim block covers an area of Upper Triassic Lewes River Group Aksala Formation limy siltstone, other sediments, and hornfels; as well as Middle Triassic andesitic and basaltic flows of Joe Mountain volcanics. The sediments and volcanics are intruded by and adjoin a Middle Cretaceous intrusive called the Mount Byng felsite by Hart and Hunt. This intrusive is associated with the Teslin Plutonic Suite having an approximate age of 120 million years. The felsite is fine-grained to porphyritic feldspar-hornblende felsite and hornblende granodiorite. It is leucocratic and recessive, and exhibits white to pale grey weathering. North-trending dykes and small plugs on the



BC & BM CLAIMS
LOCATION MAP
105 D-16

From Memoir 312 by J.O. Wheeler

SCALE 1:253,440(1 inch = 4 miles)

0 4 8

property, commonly referred to as rhyolite, are thought by the writer to be a late phase of the Mt. Byng felsite. Where the felsite or rhyolite intrude the sediments they are hornfelsed.

Joe Mountain volcanic rocks and their intrusive equivalents are dark, grey-green weathering, fine-grained and locally medium-grained, massive andesitic and basaltic flows and diabase.

The northwestern corner of the claim group cover a prominent peak consisting of Middle Triassic, coarse-grained, and variably textured pyroxene gabbro. The gabbro has leucocratic weathering and contains small bodies of anorthosite and pyroxenite. The gabbro is considered to represent the hypabyssal portion of the magma chamber which fed the Joe Mountain volcanic complex.

Faulting

Very significant faulting exists on the property. There are at least two well developed sets of faults on the claims. The earliest set have an east-west strike and, where visible, appear to have a nearly vertical dip. The second set of faults are much stronger; having north-south strike lengths of several kilometres. These faults possess nearly vertical dips. They cut and displace the east striking faults. One of these prominent north-south faults was followed very closely by one of the BC claim lines.

The writer believes that a third and younger set of faults are weakly present on the property. This set of faults have a northwest-southeast strike, parallel the strike seen in faults paralleling the Teslin Suture in the northeast corner of the NTS 105 D/16 map

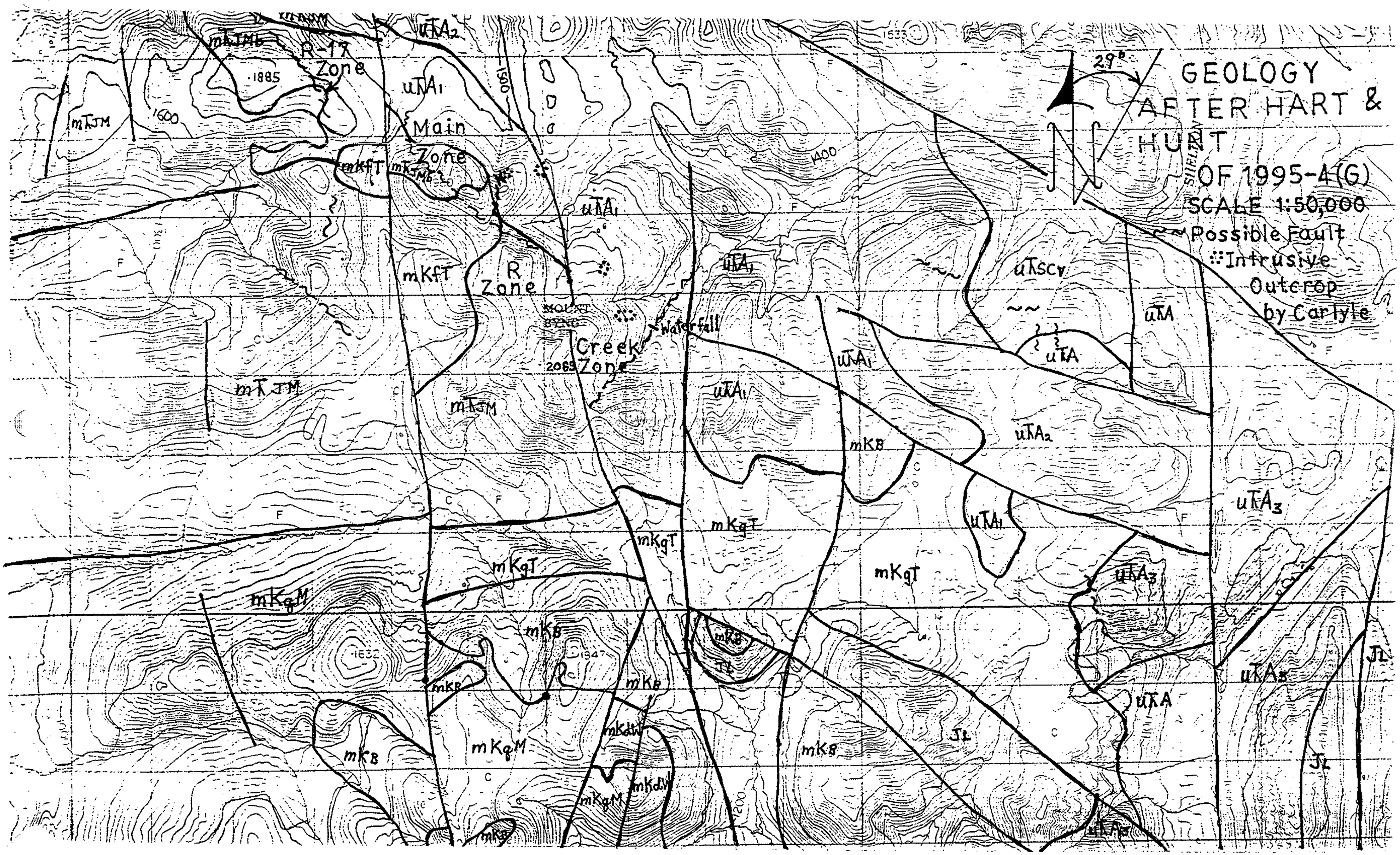
area. This set of faults are considered to be responsible for the northwest strike seen in the veins at the R-17 and Main Zones on the BM Claims.

Showings

There are two known areas of interest on the BC Claims; the "R" Zone and the "Creek Showing".

At the "R" Zone, up to 2% arsenopyrite fracture fillings were located in 1995 in the Mount Joe volcanics at the northeast corner of the cliff (See Property Geology Figure). Previously, gossaned and brecciated quartz-carbonate vein material associated with strong VLF and geochemistry anomalies have returned gold values up to 1.70 opt. The soil samples returned anomalous values in copper, arsenic, and molybdenum. Molybdenite has been located in the Mt. Byng felsite at its contact with these volcanics.

The "Creek Showing" lies southeast of the "R" Zone in a narrow northeast striking valley draining a large cirque on the east side of Mt. Byng. The valley is believed to follow a northeast striking fault which branches from the large north-south striking fault which cuts through the eastern edge of Mt. Byng (See Property Geology Figure). At the "Creek Showing", up to 1% arsenopyrite mineralization as fracture fillings was located. Trace mineralization has been found down the creek for a distance of approximately 1000 feet from the 1995 stream sediment sample 95-BC-9 which returned values of 82 ppb. Au., 59 ppm. As, and 64 ppm. Cu. The mineralization seems to be terminated by a large (approximately 10 metre wide) tourmaline(?)-hornblende dyke or sill which forms the top of an approximately 20 metre high waterfall on the creek. This dyke was sampled in 1996 as Sample CS-1.



GEOLOGY AFTER HART & HUNT OF 1995-4(G)
SCALE 1:50,000
Possible Fault
Intrusive Outcrop by Carlyle
29°
R-17 Zone
Main Zone
R Zone
Creek Zone
Waterfall
MOUNT BYNG
2069
1885
1600
1400
1632
uTA1
uTA2
uTA3
uTA
uTSCV
mTJM
mKfT
mKgT
mKgM
mKB
mKdW
Jl

MT. BYNG GEOLOGICAL LEGEND

CRETACEOUS

mK_B	Byng Creek Volcanic Complex (ca. 109 Ma) Nested cauldera complex
mK_{qM}	Mount McIntyre Plutonic Suite (ca. 109 Ma)
mK_{dW}	Whitehorse Plutonic Suite (ca. 115 Ma)
mK_{gT}	Teslin Plutonic Suite (ca. 120 Ma)
mK_{fT}	Mt. Byng felsite (ca. 120 Ma)

JURASSIC

J_L	Laberge Group

TRIASSIC

uTA	Upper Triassic Sediments – Alksala Formation Divided into Units 1, 2, and 3 by Hart and Hunt
uT_{SCv}	Sheldon Creek Volcanics Newly discovered unit by Hart and Hunt
mT_{JM}	Joe Mountain Volcanic Complex
mT_{JMb}	Coarse-grained pyroxene gabbro Considered by Hart and Hunt to be Hypabyssal source of Joe Mountain volcanics

1996 WORK PROGRAM:

The 1996 work program consisted of prospecting, grid soil sampling, grid ground magnetometer surveying, and limited geological mapping on a scale of 1:10,000.

Prospecting resulted in the taking of three rock samples. These samples are located on the 1996 Contour Soil Sample Location Map. Sample CS-1 is a sample of tourmaline(?)-hornblende dyke or sill material with trace arsenopyrite (?) from the top of a 20 metre waterfall at the "Creek Showing". Sample BC-96-1 is a sample of white rhyolite dyke [Mt. Byng felsite(?)] with limonitic specks, clear 1/8" quartz eyes, <1% oxidized pyrite and trace arsenopyrite from approximately the 1725 metre elevation of the ridge east of the 1980 metre pyroxene gabbro peak. The rhyolite appears to get wider and more oxidized toward the south and seems to end in a small stock. Sample BC-96-2 is a sample of strongly iron and manganese gossaned shale with fracture fillings of <1% pyrite and trace arsenopyrite. The sample is from a large gossaned area on the southeast ridge of Mt. Byng near a magnetic anomaly located at the contact of Mid-Cretaceous intrusives, Upper Triassic sediments, and a strong north-south striking fault.

Rock Sample Analyses Table

SAMPLE NUMBER	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
CS - 1	5	21	9	13	29	2
BC-96-1	6	35	7	43	22	1
BC-96-2	6	9	86	13	37	6

Grid soil sampling and grid ground magnetometer surveys were done over an area north and east of the "R" Zone. The soil sampling was tied to the 0+00 line of the original soil sampling done in 1988. This line was extended eastward from 2+50 E to 8+00 E on 50

metre sample spacings. It was realized that this would result in too great an expense for sample analyses. As a result, the remainder of the area was sampled using a 200 m. spacing along the north-south axis and 100 m. spacing along the east-west axis. This resulted in a total of 60 samples being taken. Contoured figures for the gold, arsenic, copper, lead, zinc, and molybdenum analyses are included in this report.

Ground magnetometer surveying was done over the same area. This surveying was done along lines at 100 m. spacings in the north-south direction with readings being taken every 30 m. in the east-west direction. At least three readings were taken at each survey station and averaged. Loops were performed to allow for diurnal correction. Three-point weighted running average profiles and contoured total field figures are included in this report.

A small 13 sample grid soil sampling program was also done over a portion of the "Creek Showing". This grid was centered on the 4 claim posts at the center of the block of BC Claims offset toward the southeast of the group. Three lines of samples were taken having 100 m. spacings in the north-south direction and 50 m. spacings along the east-west axis. Contoured figures for the gold, arsenic, copper, lead, zinc, and molybdenum analyses are included in this report.

Limited geological mapping on 1:10,000 scale was done on the BC Claims. This mapping is included in a pocket in the report.

105 D/16 EDITION 1 **METRIC** Canada

528000m. E. 29 30 31 32 33 34 35 37 38 39 40 41

6762000m. N. 61 60 59 58 57 56 55 54 53 52 51

1996 CONTOUR SOIL SAMPLE LOCATIONS

SCALE 1:50,000

PART OF NTS 105 D/16

29°

Soil Samples prefixed with 96-S except as noted

BC-S-20

BC-S-23

BC-96-1

CS-1

BC-96-2

Camp

MCLINTOCK LAKES

MOUNT BYNG

1296 1326 1100 1200 1300 1600 1851 1700 1533 1500 1885 1980 1400 1600 1500 1700 1600 1300 1500 1900 2089 1600 900 1100 1500 726

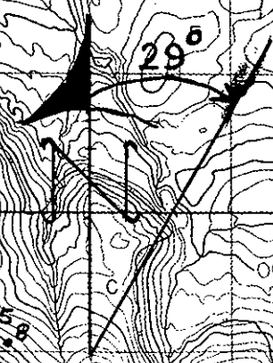
Larry Kearsley

L. W. KEARSLEY

F. E. LOVE

1996 CONTOUR SOIL SAMPLE ANALYSES

ELEMENT: Au(ppb)



ÉTRIQUE

1996 CONTOUR SOIL SAMPLE ANALYSES

ELEMENT: As (ppm)

29°

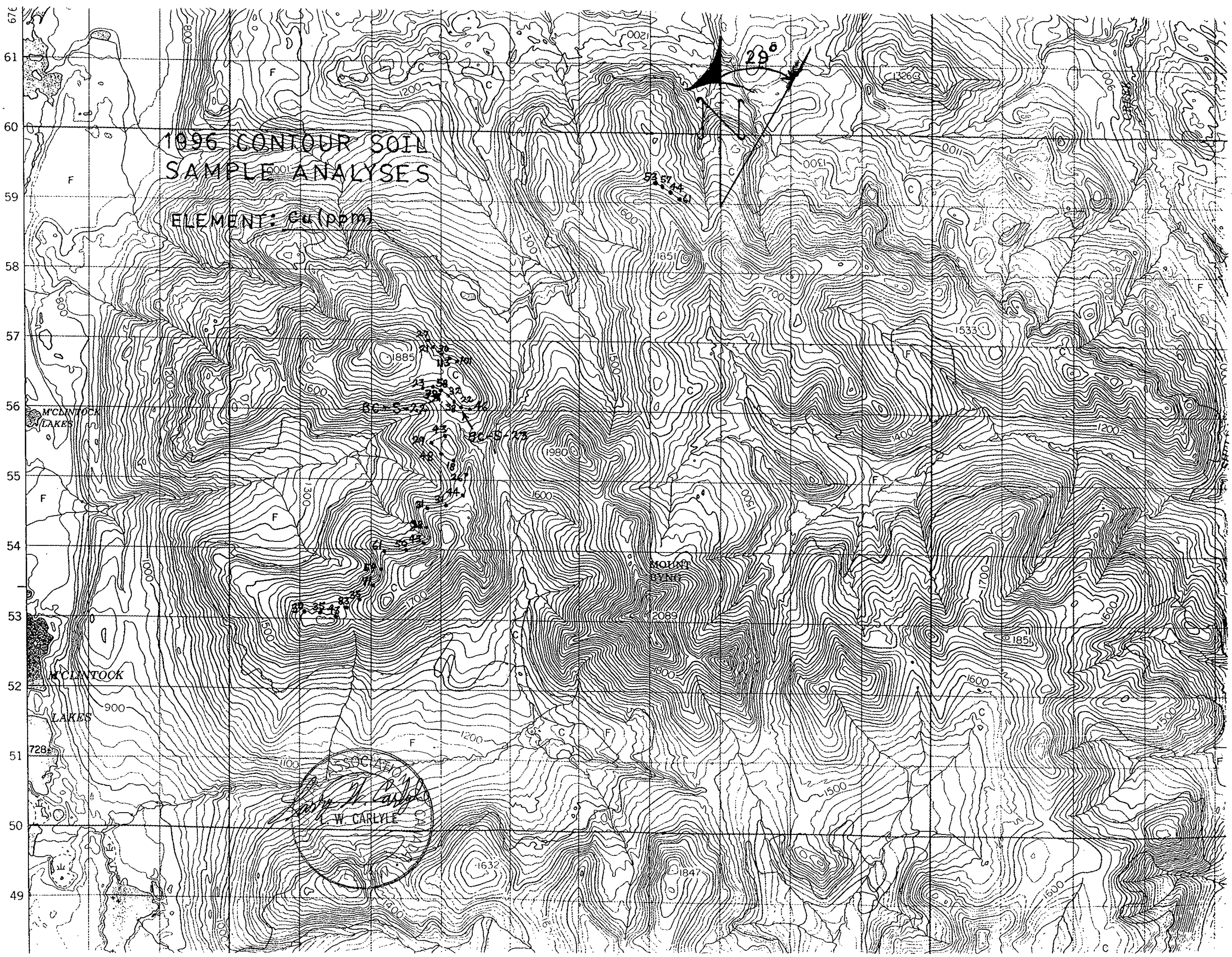
M'CLINTOCK LAKES

MOUNT SYNO

ASSOCIATION

L. W. CARLYLE

ÉTRIQUE

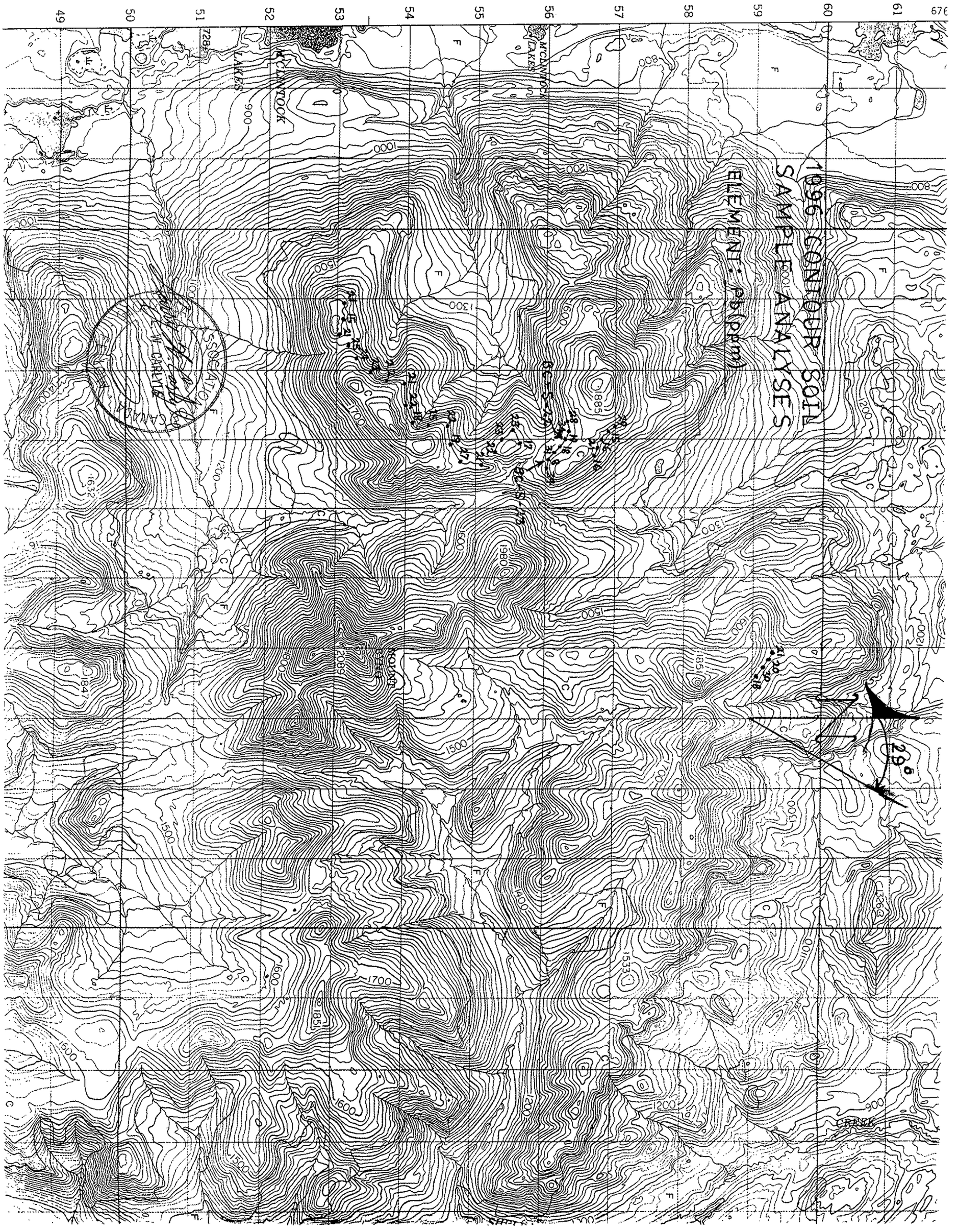

1996 CONTOUR SOIL
SAMPLE ANALYSES
ELEMENT: Cu (ppm)
29°
BC-S-22
BC-S-23
MOUNT
BYNG
M'CLINTOCK
LAKES
M'CLINTOCK
LAKES
L. W. CARLYLE

ÉTRIQUE

ÉTRIQUE

1996 CONTOUR SOIL SAMPLE ANALYSES

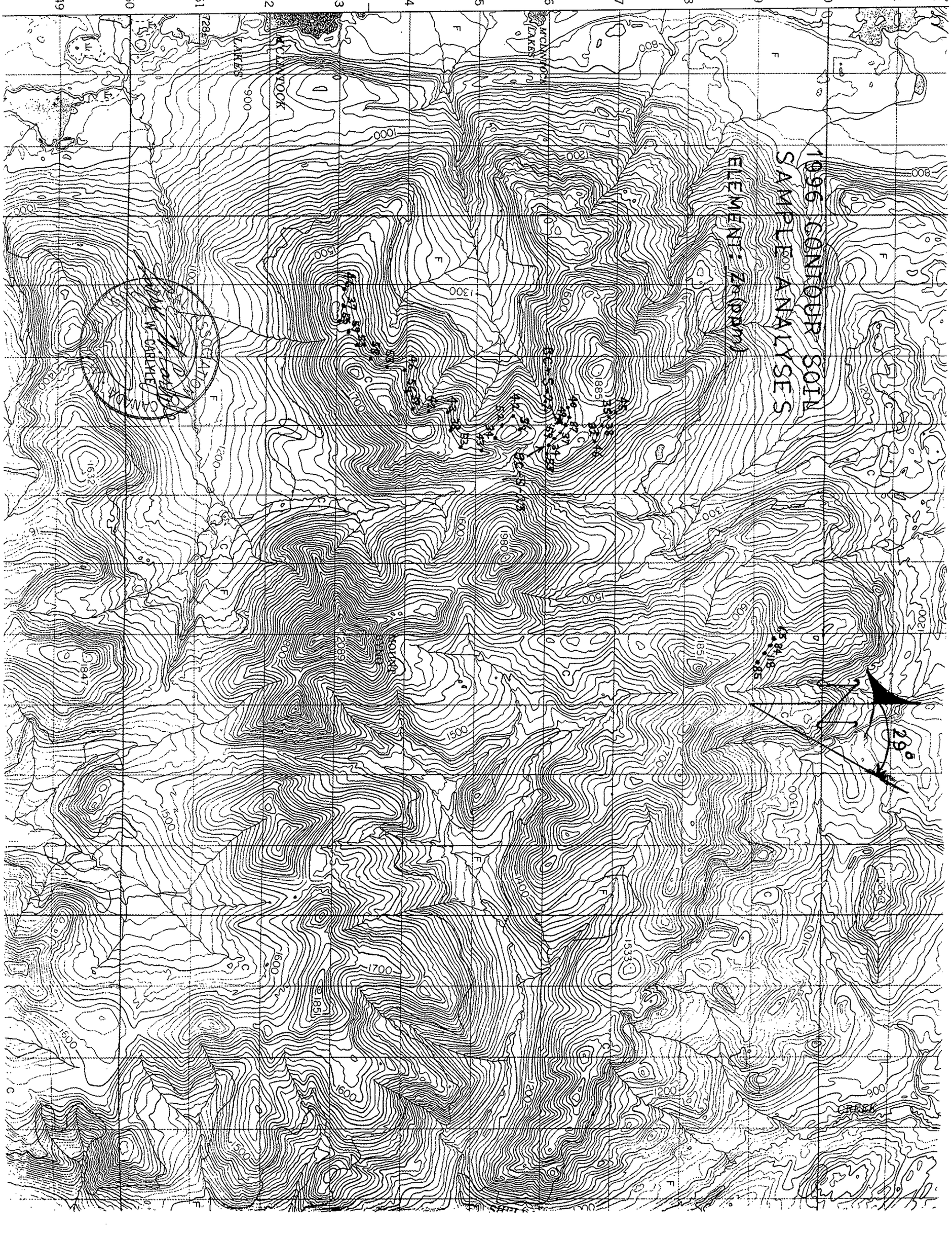
ELEMENT: Pb (ppm)

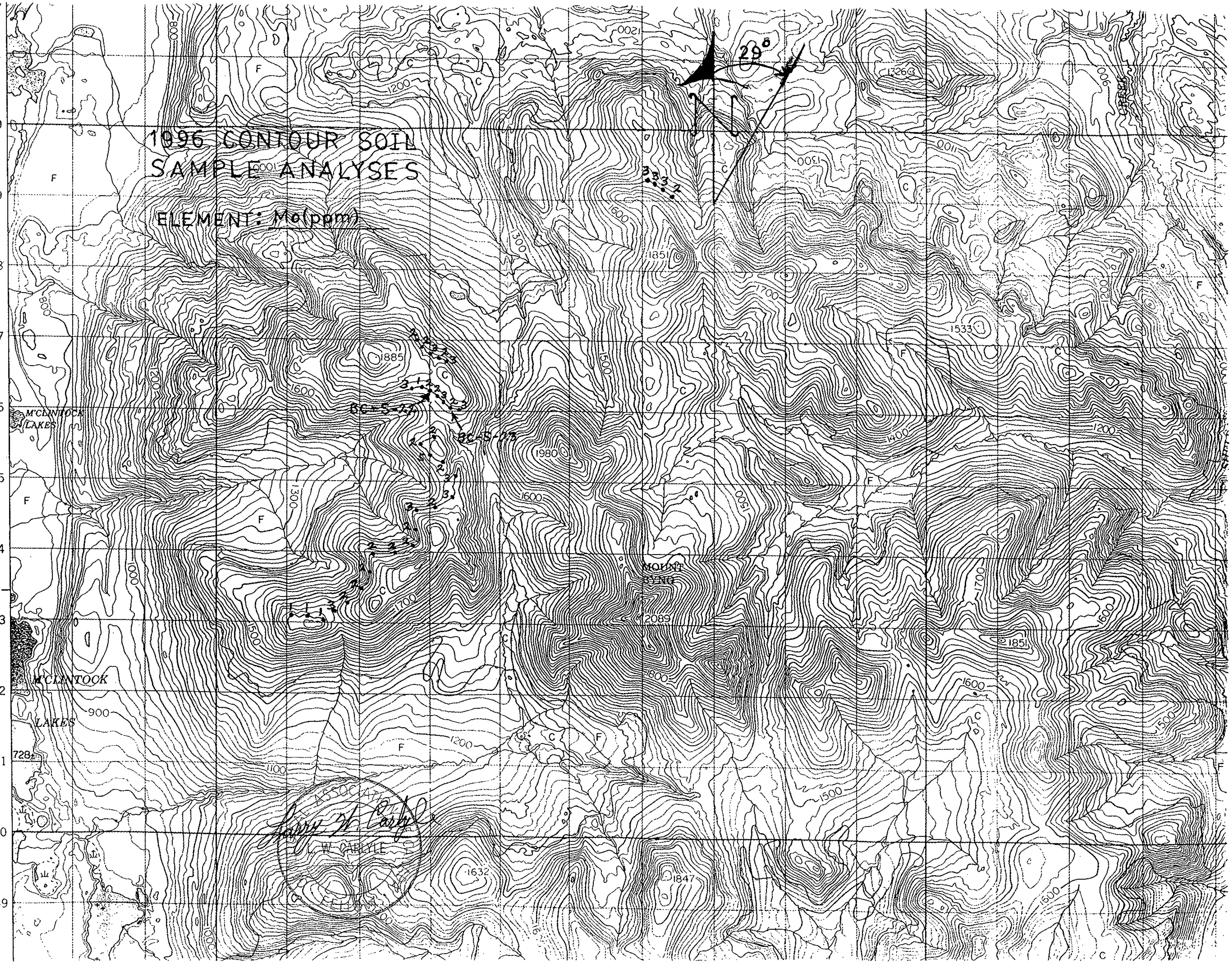


ETRIQUE

1096 CONTOUR SOIL SAMPLE ANALYSES

ELEMENT: Zn (ppm)





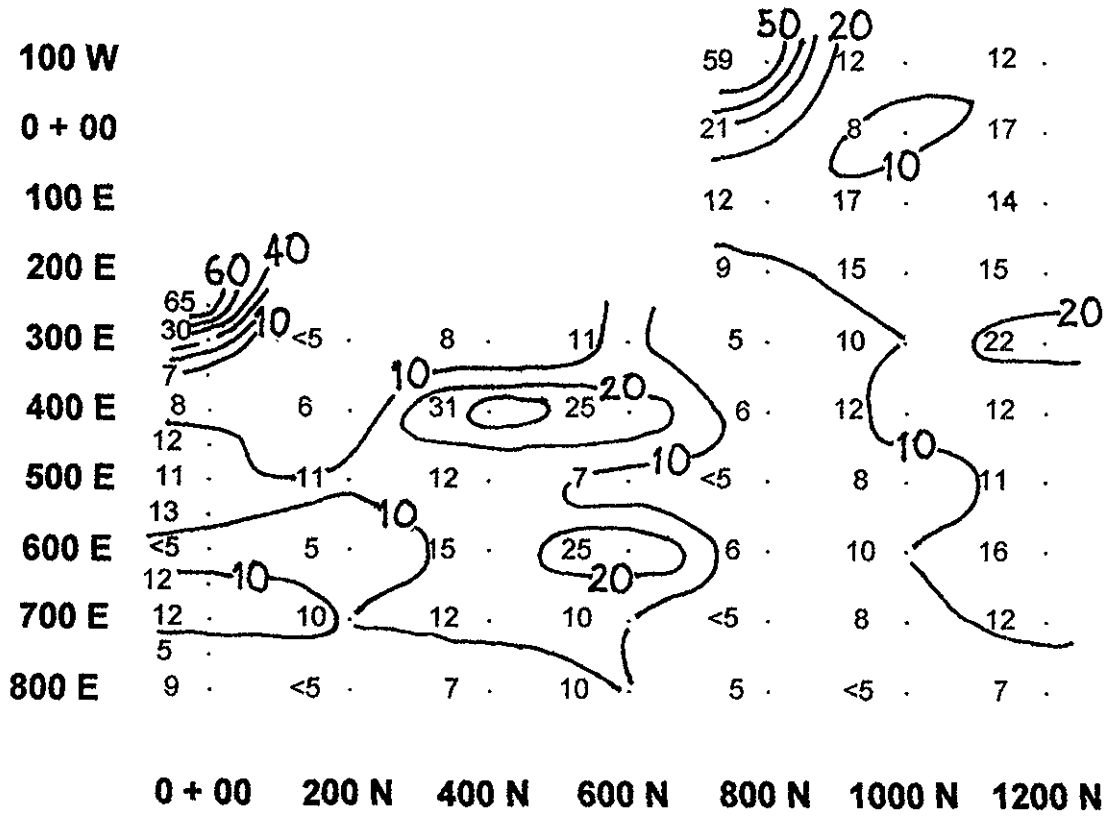
1996 CONTOUR SOIL
SAMPLE ANALYSES
ELEMENT: Mo(ppm)
29°
MOUNT
BYNG
2089
1980
1885
1851
1632
1847
1533
1326
M'CLINTOCK
LAKES
728
L. W. CARLYLE

ÉTRIQUE

SOIL SAMPLE LOCATION MAP

SAMPLES EAST AND NORTH OF "R" ZONE

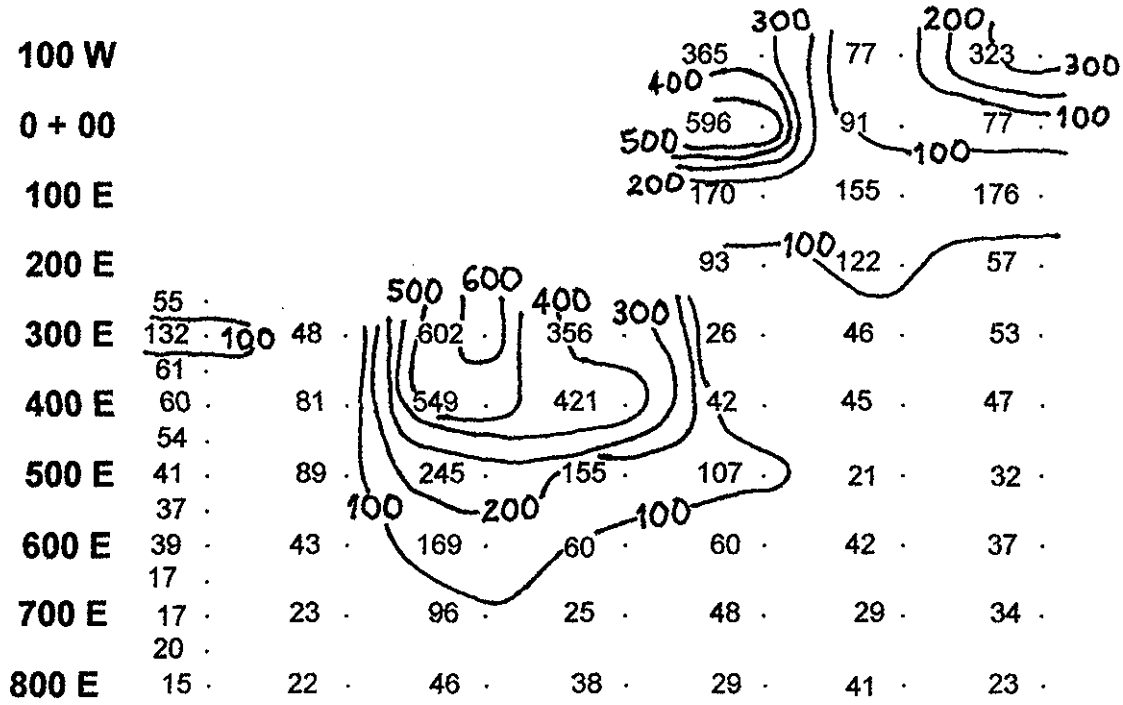
Element: Au (ppb)



SOIL SAMPLE LOCATION MAP

SAMPLES EAST AND NORTH OF "R" ZONE

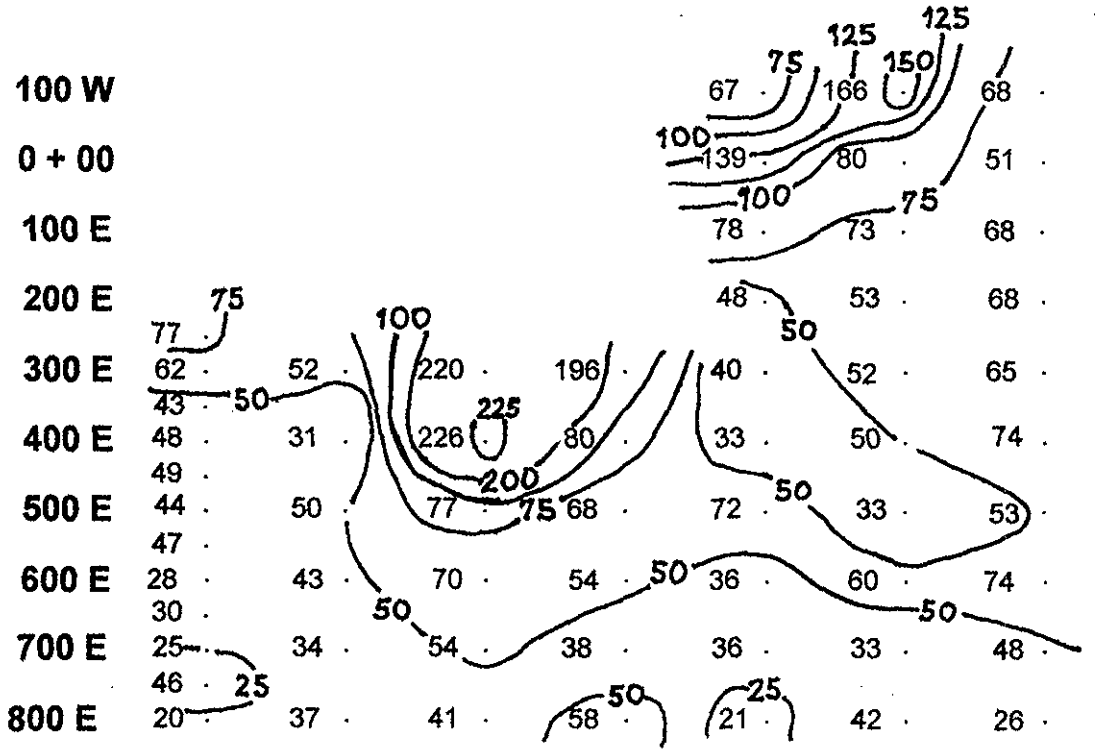
Element: As (ppm)



SOIL SAMPLE LOCATION MAP

SAMPLES EAST AND NORTH OF "R" ZONE

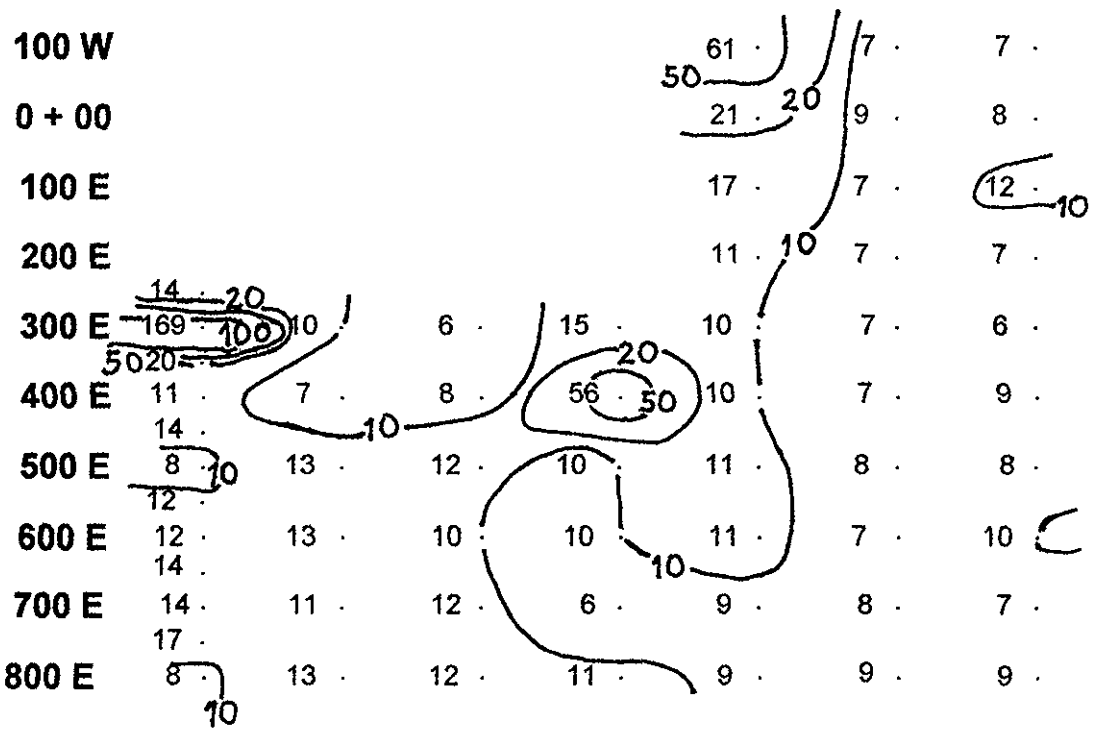
Element: Cu (ppm)



SOIL SAMPLE LOCATION MAP

SAMPLES EAST AND NORTH OF "R" ZONE

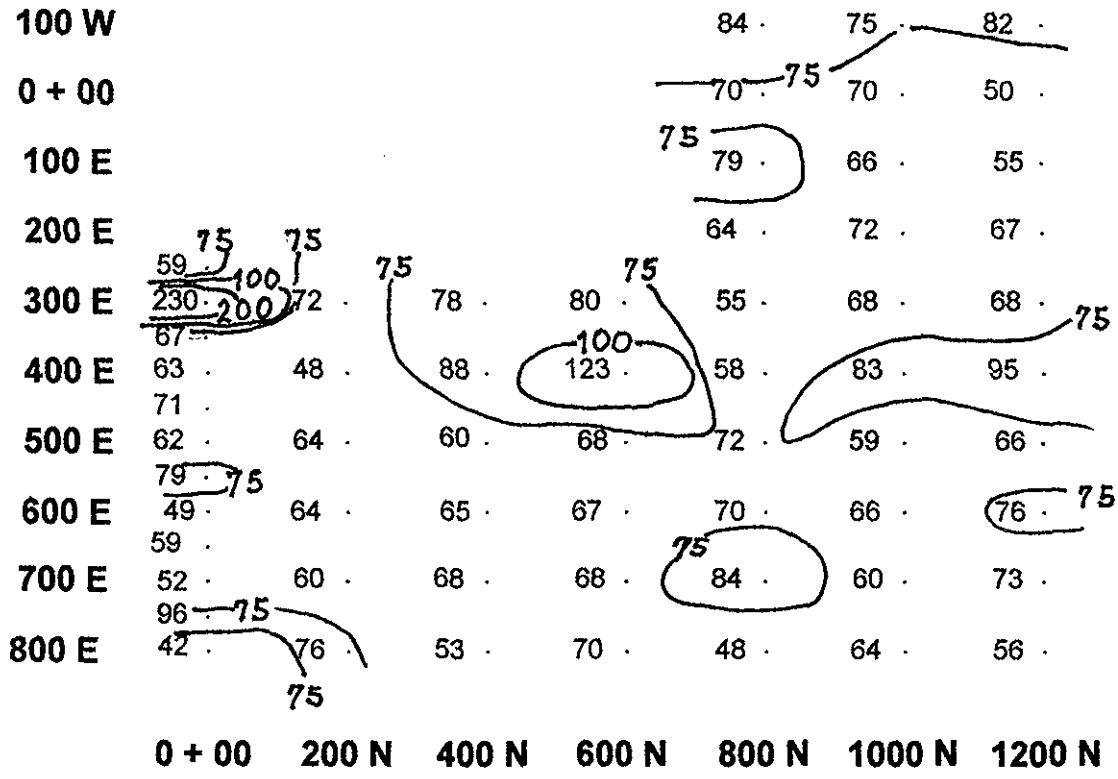
Element: Pb (ppm)



SOIL SAMPLE LOCATION MAP

SAMPLES EAST AND NORTH OF "R" ZONE

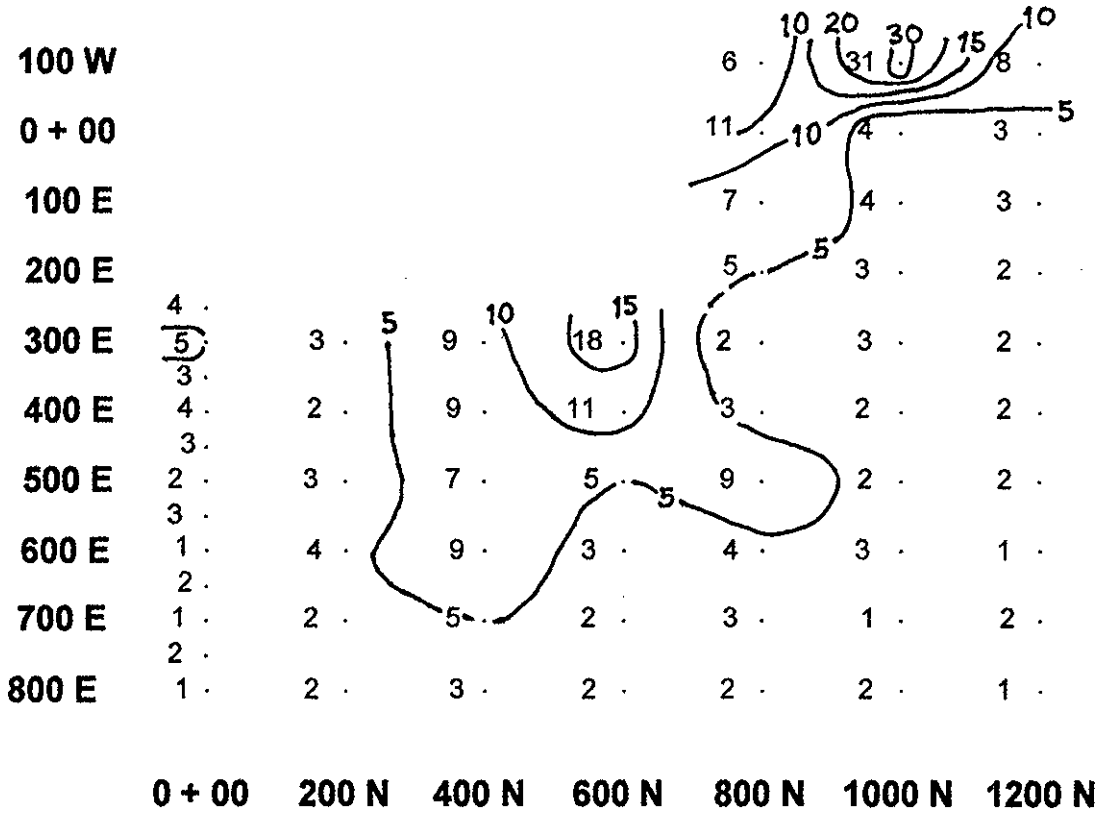
Element: Zn (ppm)



SOIL SAMPLE LOCATION MAP

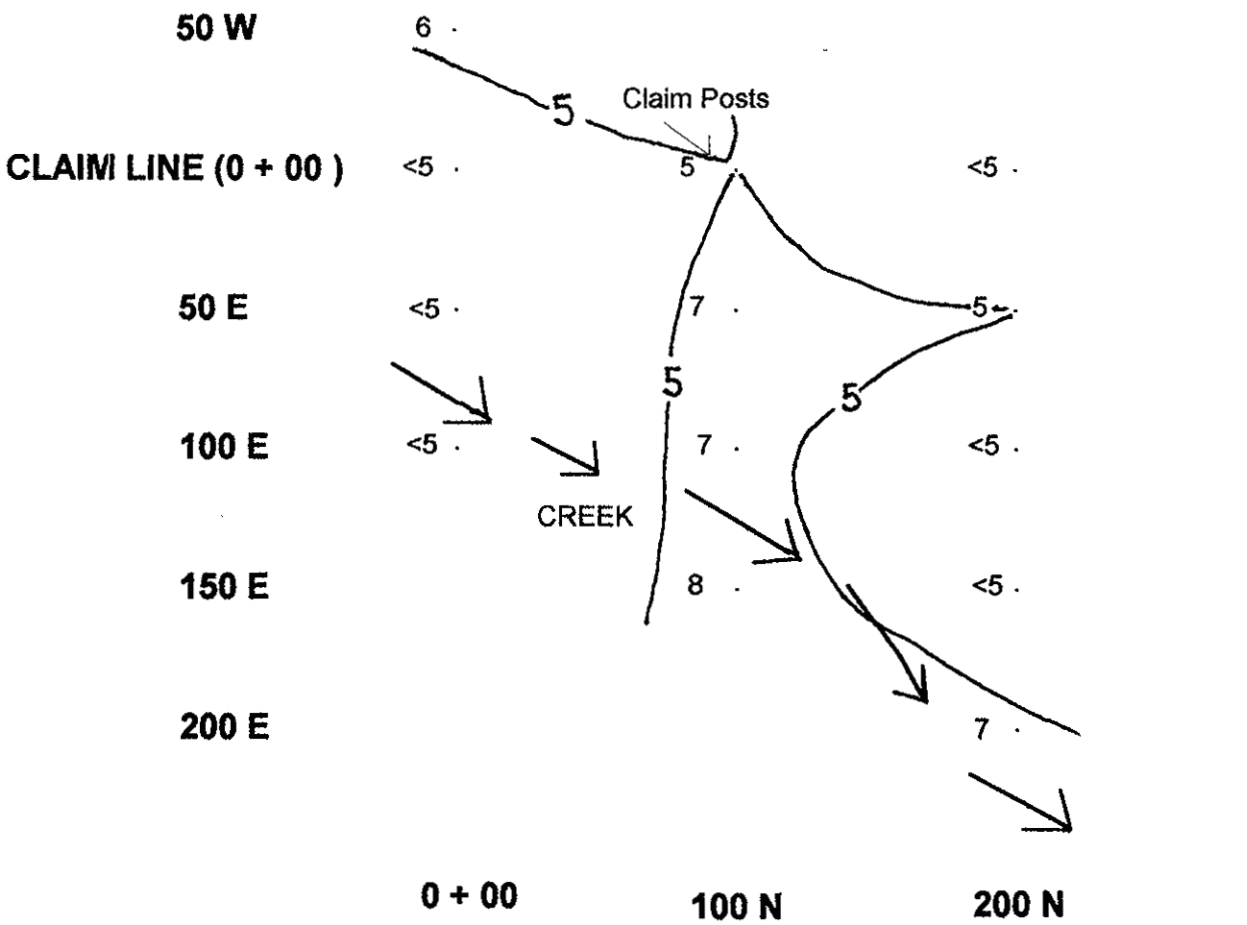
SAMPLES EAST AND NORTH OF "R" ZONE

Element: Mo (ppm)



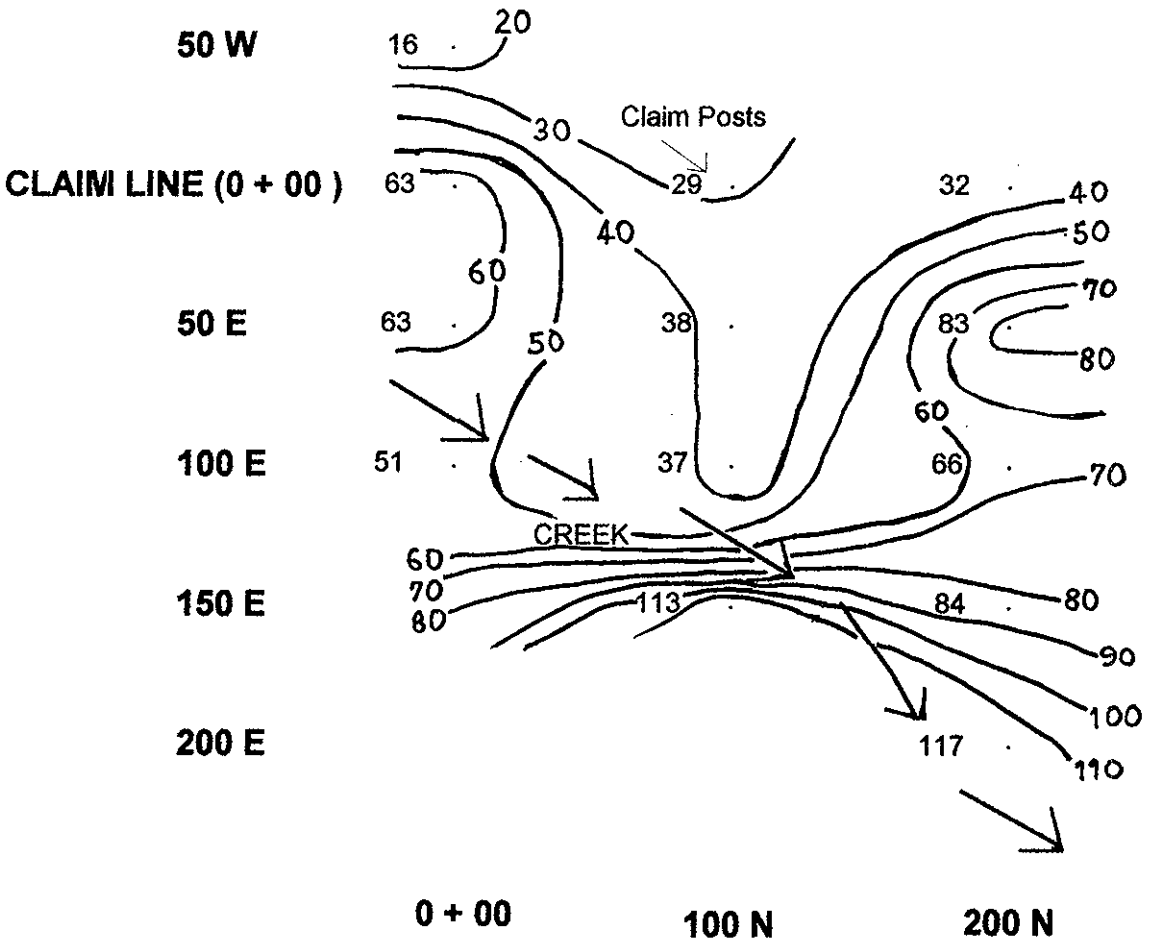
CREEK SHOWING SOIL SAMPLE LOCATIONS

Element: Au (ppb)



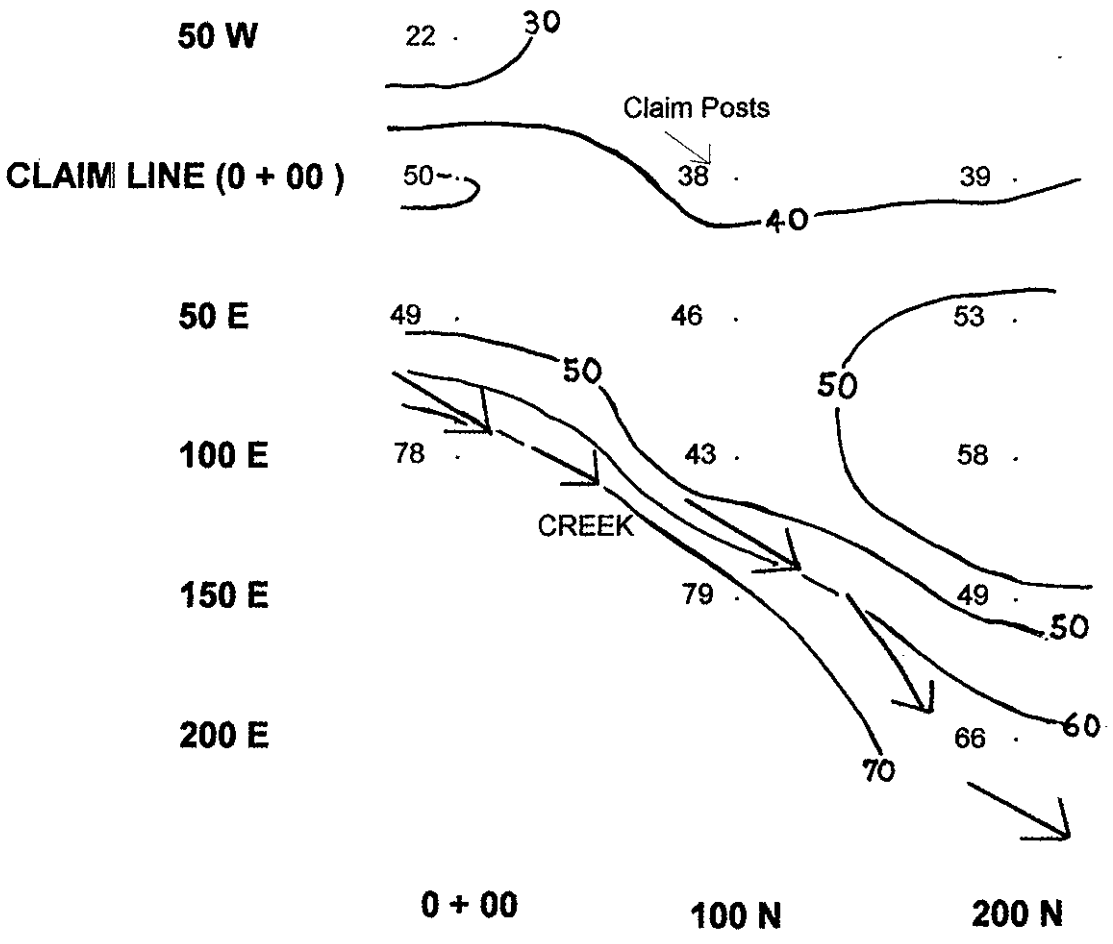
CREEK SHOWING SOIL SAMPLE LOCATIONS

Element: As (ppm)



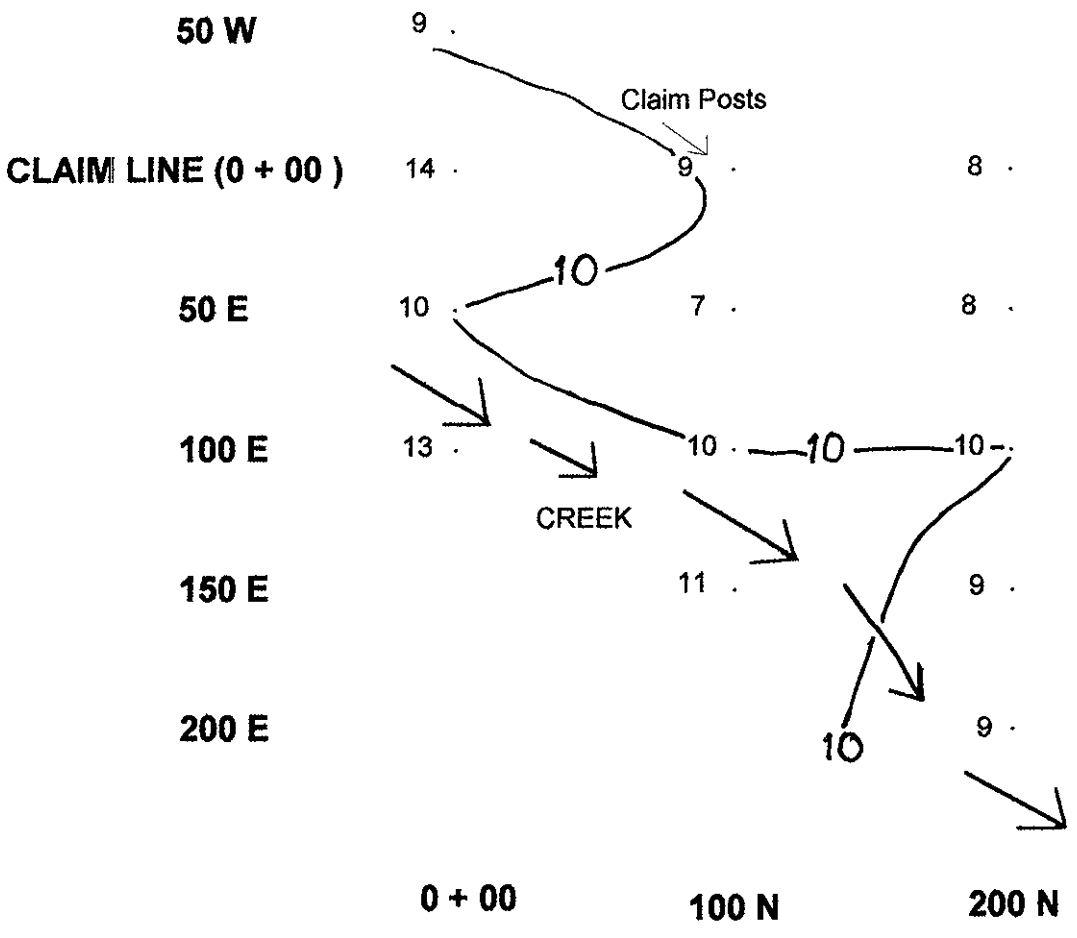
CREEK SHOWING SOIL SAMPLE LOCATIONS

Element: Cu (ppm)



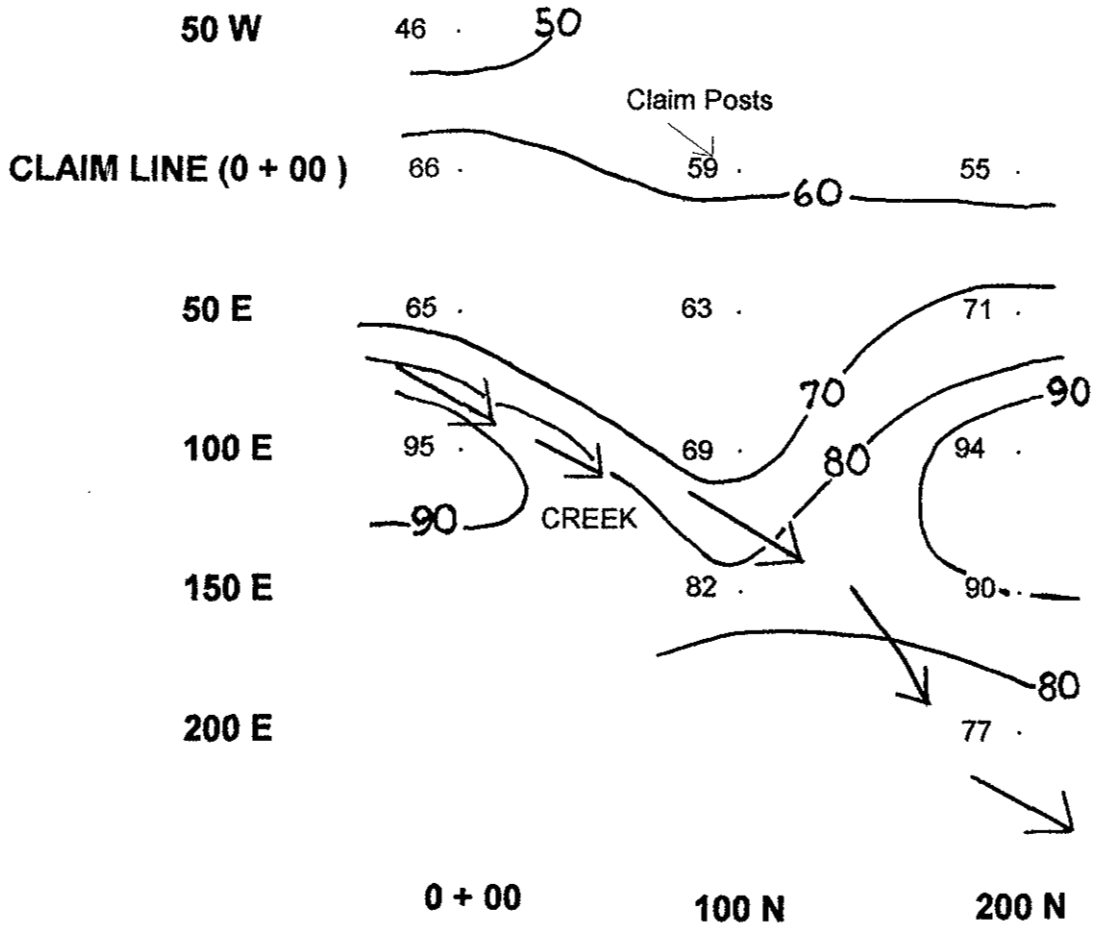
CREEK SHOWING SOIL SAMPLE LOCATIONS

Element: Pb (ppm)



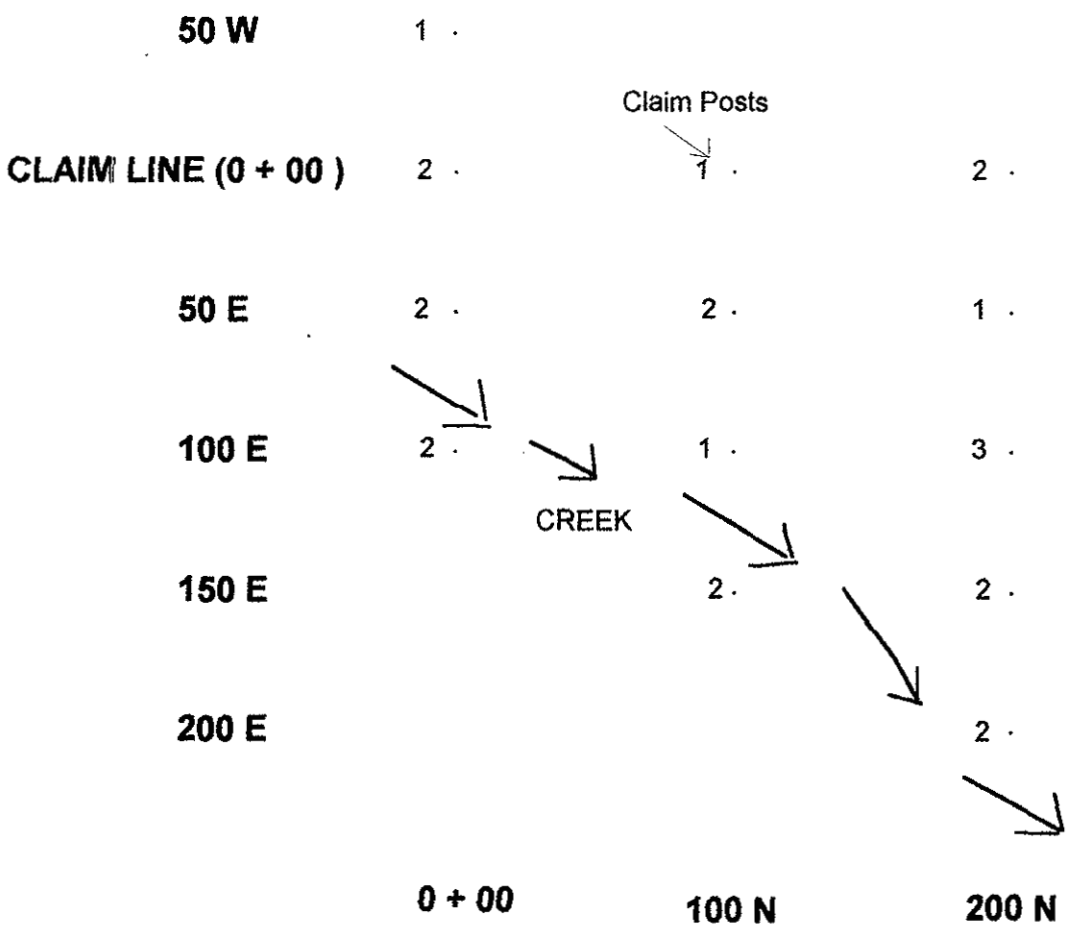
CREEK SHOWING SOIL SAMPLE LOCATIONS

Element: Zn (ppm)



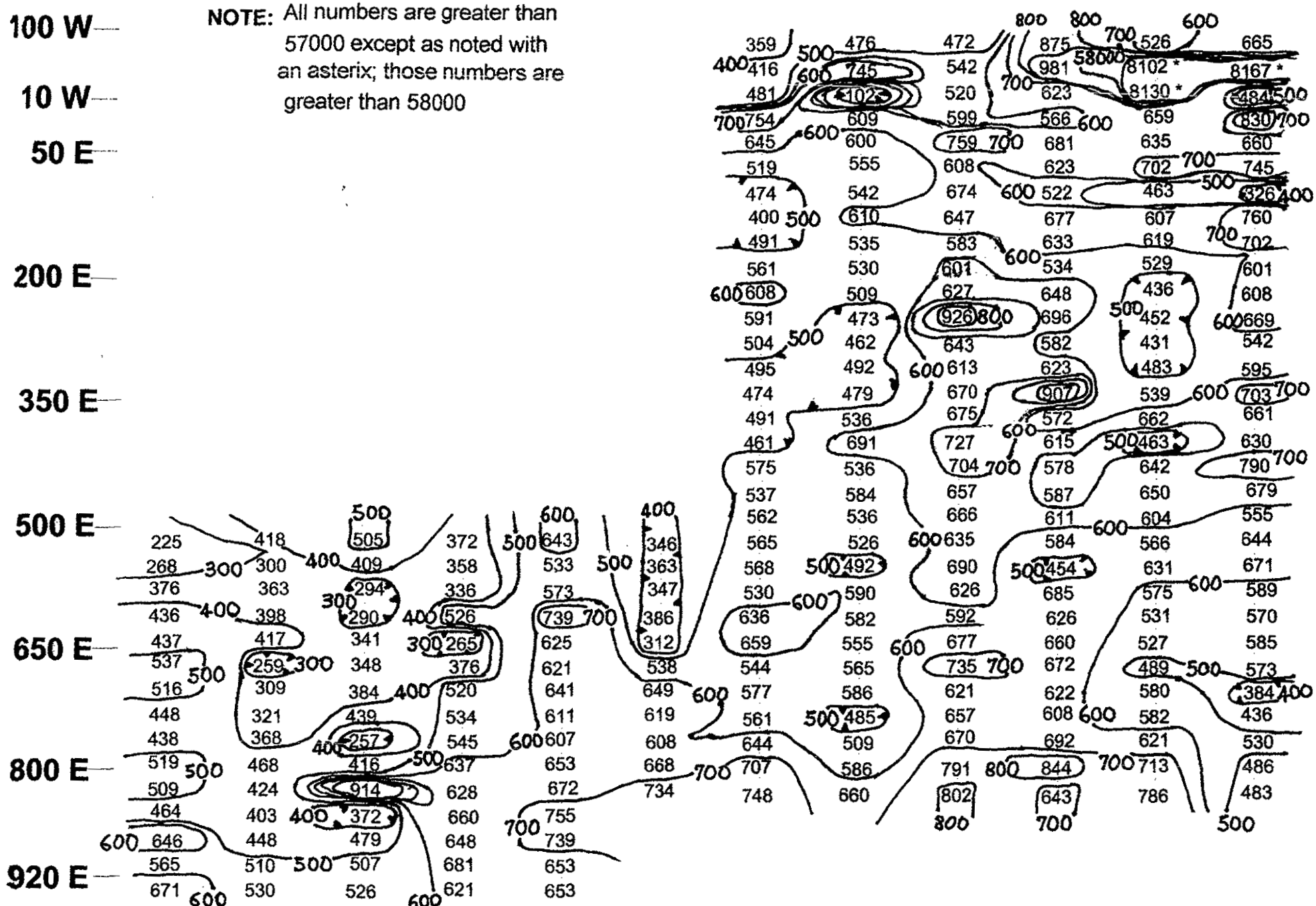
CREEK SHOWING SOIL SAMPLE LOCATIONS

Element: Mo (ppm)



MT. BYNG MAGNETOMETER READINGS WITH DIURNAL CORRECTIONS

NOTE: All numbers are greater than 57000 except as noted with an asterix; those numbers are greater than 58000



MT. BYNG MAGNETOMETER READINGS WITH DIURNAL CORRECTIONS

NOTE: **All Numbers are greater than 57000 except as noted.**

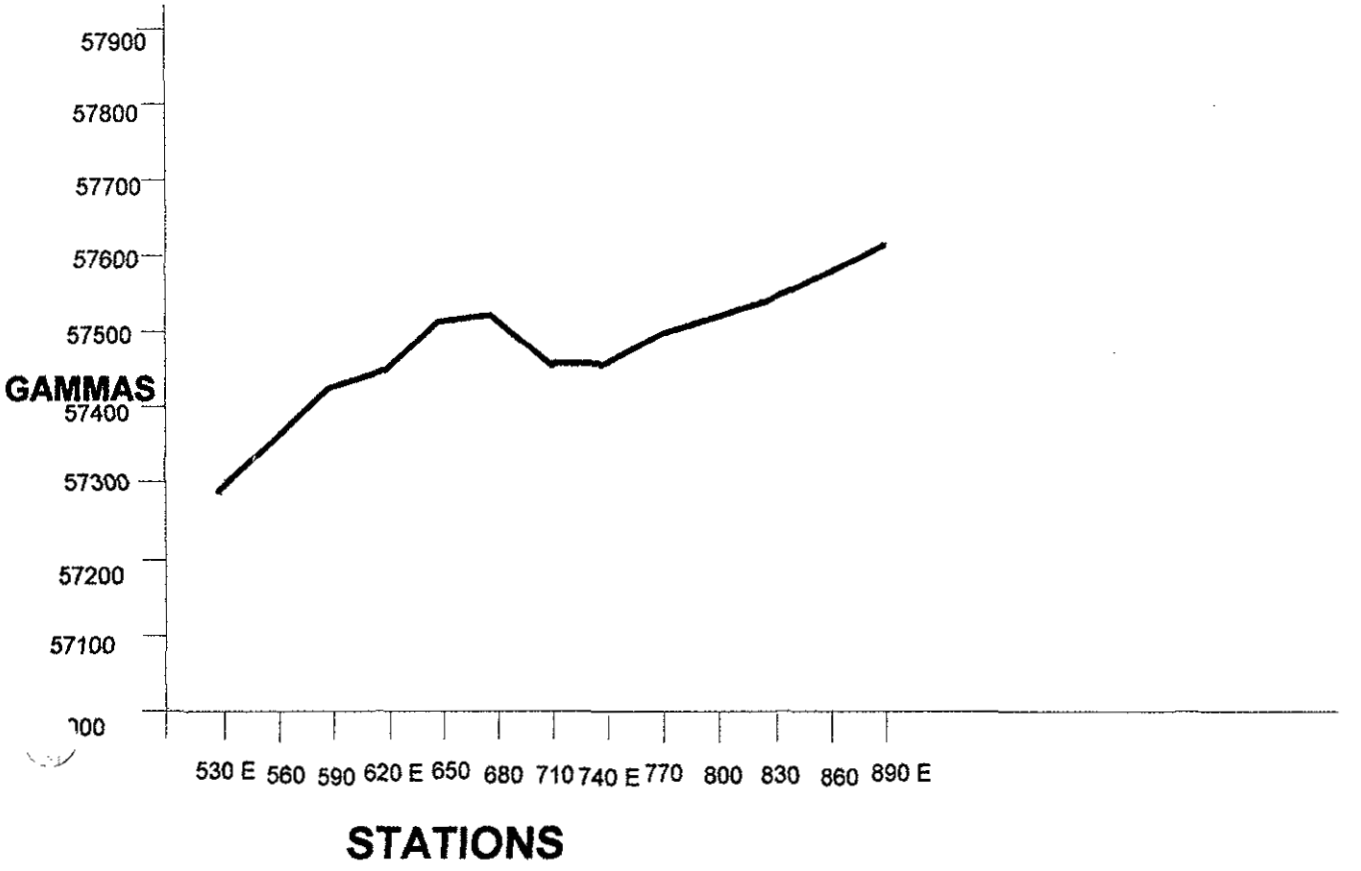
	200 N	300 N	400 N	500 N	600 N	700 N	800 N	900 N	1000 N	1100 N	1200 N	1300 N
100 W							359	476	472	875	526	665
							416	745	542	981	8102 *	8167 *
W							481	102	520	623	8130 *	484
							754	609	599	566	659	830
50 E							645	600	759	681	635	660
							519	555	608	623	702	745
							474	542	674	522	463	326
							400	610	647	677	607	760
							491	535	583	633	619	702
200 E							561	530	601	534	529	601
							608	509	627	648	436	608
							591	473	926	696	452	669
							504	462	643	582	431	542
							495	492	613	623	483	595
350 E							474	479	670	907	539	703
							491	536	675	572	662	661
							461	691	727	615	463	630
							575	536	704	578	642	790
							537	584	657	587	650	679
500 E							562	536	666	611	604	555
	225	418	505	372	643	346	565	526	635	584	566	644
	268	300	409	358	533	363	568	492	690	454	631	671
	376	363	294	336	573	347	530	590	626	685	575	589
	436	398	290	526	739	386	636	582	592	626	531	570
650 E	437	417	341	265	625	312	659	555	677	660	527	585
	537	259	348	376	621	538	544	565	735	672	489	573
	516	309	384	520	641	649	577	586	621	622	580	384
	448	321	439	534	611	619	561	485	657	608	582	436
	438	368	257	545	607	608	644	509	670	692	621	530
800 E	519	468	416	637	653	668	707	586	791	844	713	486
	509	424	914	628	672	734	748	660	802	643	786	483
	464	403	372	660	755							
	646	448	479	648	739							
920 E	565	510	507	681	653							
	671	530	526	621	653							

MT. BYNG MAGNETOMETER READINGS WITH DIURNAL CORRECTIONS

STATION	200 N	300 N	400 N	500 N	600 N	700 N	800 N	900 N
920 E	57671	57530	57526	57621	57653			
890 E	57565	57510	57507	57681	57653			
860 E	57646	57448	57479	57648	57739			
830 E	57464	57403	57372	57660	57755			
800 E	57509	57424	57914	57628	57672	57734	57748	57660
770 E	57519	57468	57416	57637	57653	57668	57707	57586
740 E	57438	57368	57257	57545	57607	57608	57644	57509
710 E	57448	57321	57439	57534	57611	57619	57561	57485
680 E	57516	57309	57384	57520	57641	57649	57577	57586
650 E	57537	57259	57348	57376	57621	57538	57544	57565
620 E	57437	57417	57341	57265	57625	57312	57659	57555
590 E	57436	57398	57290	57526	57739	57386	57636	57582
560 E	57376	57363	57294	57336	57573	57347	57530	57590
530 E	57268	57300	57409	57358	57533	57363	57568	57492
500 E	57225	57418	57505	57372	57643	57346	57565	57526
470 E							57562	57536
440 E							57537	57584
410 E							57575	57536
380 E							57461	57691
350 E							57491	57536
320 E							57474	57479
290 E							57495	57492
260 E							57504	57462
230 E							57591	57473
200 E							57608	57509
170 E							57561	57530
140 E							57491	57535
110 E							57400	57610
80 E							57474	57542
50 E							57519	57555
20 E							57645	57600
10 W							57754	57609
40 W							57481	57102
70 W							57416	57745
100 W							57359	57476

1000 N	1100 N	1200 N	1300 N
57802	57643	57786	57483
57791	57844	57713	57486
57670	57692	57621	57530
57657	57608	57582	57436
57621	57622	57580	57384
57735	57672	57489	57573
57677	57660	57527	57585
57592	57626	57531	57570
57626	57685	57575	57589
57690	57454	57631	57671
57635	57584	57566	57644
57666	57611	57604	57555
57657	57587	57650	57679
57704	57578	57642	57790
57727	57615	57463	57630
57675	57572	57662	57661
57670	57907	57539	57703
57613	57623	57483	57595
57643	57582	57431	57542
57926	57696	57452	57669
57627	57648	57436	57608
57601	57534	57529	57601
57583	57633	57619	57702
57647	57677	57607	57760
57674	57522	57463	57326
57608	57623	57702	57745
57759	57681	57635	57660
57599	57566	57659	57830
57520	57623	58130	57484
57542	57981	58102	58167
57472	57875	57526	57665

Mt. Byng 3 - Point Weighted Running Average
Profile Line 200 N



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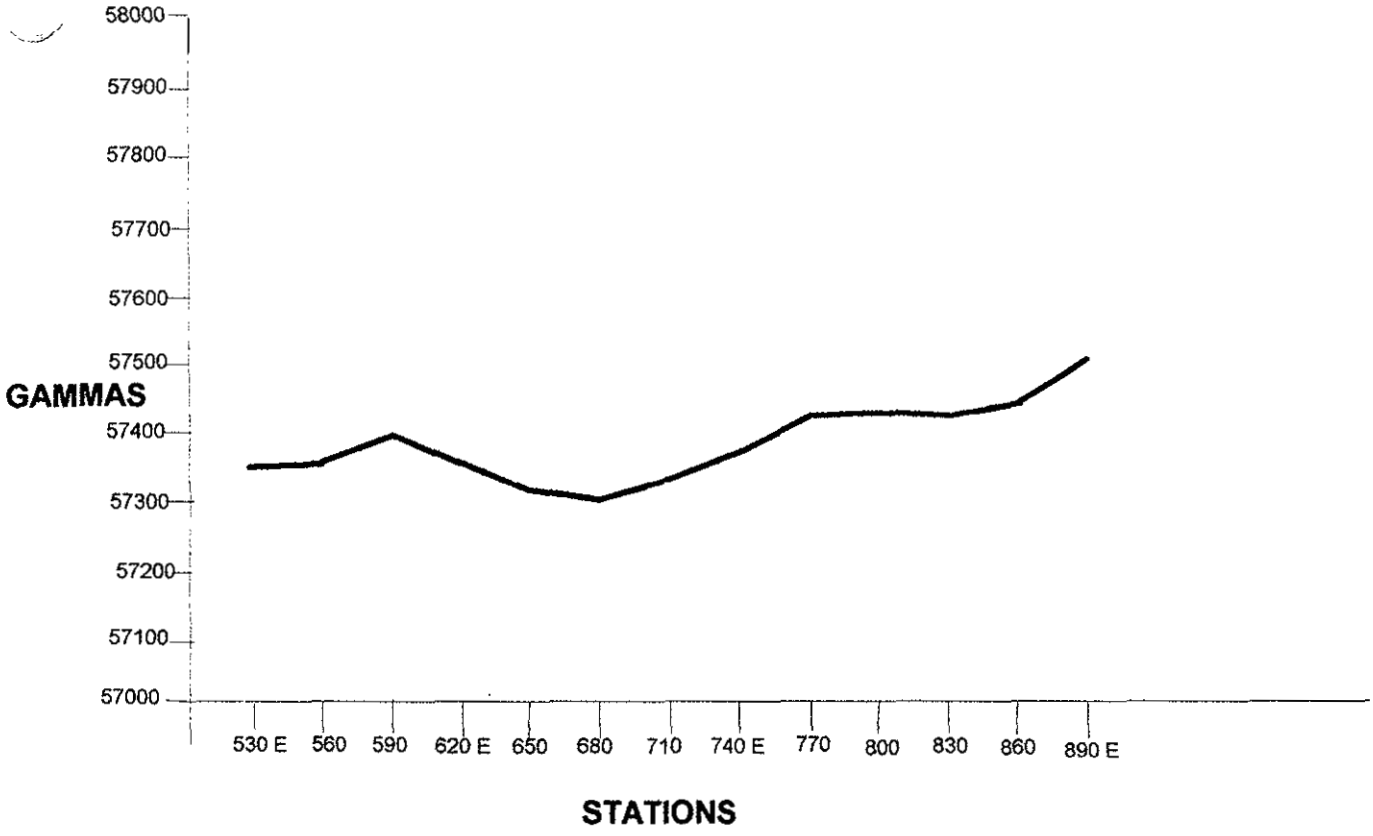
Profile Line 300 N



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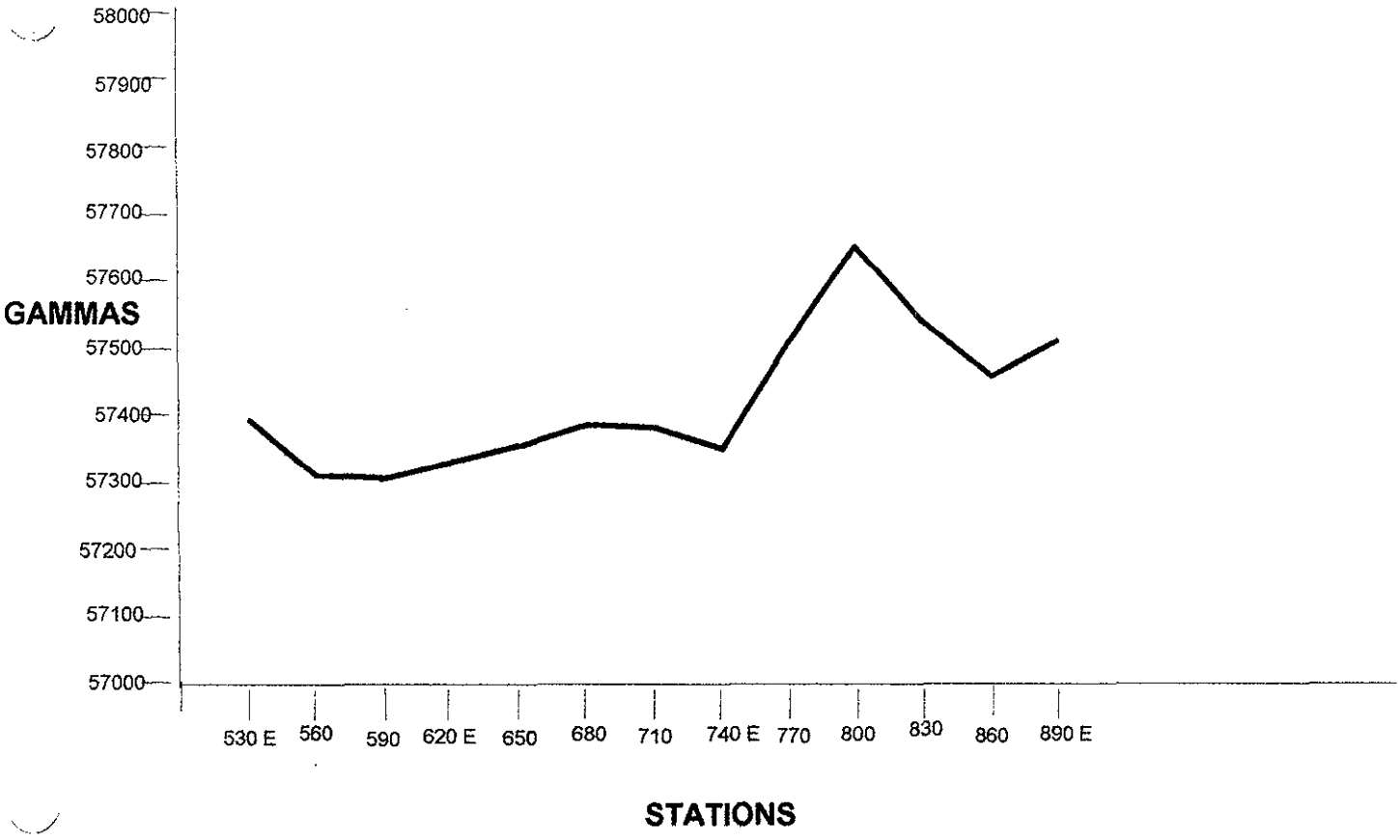
Profile Line 400 N



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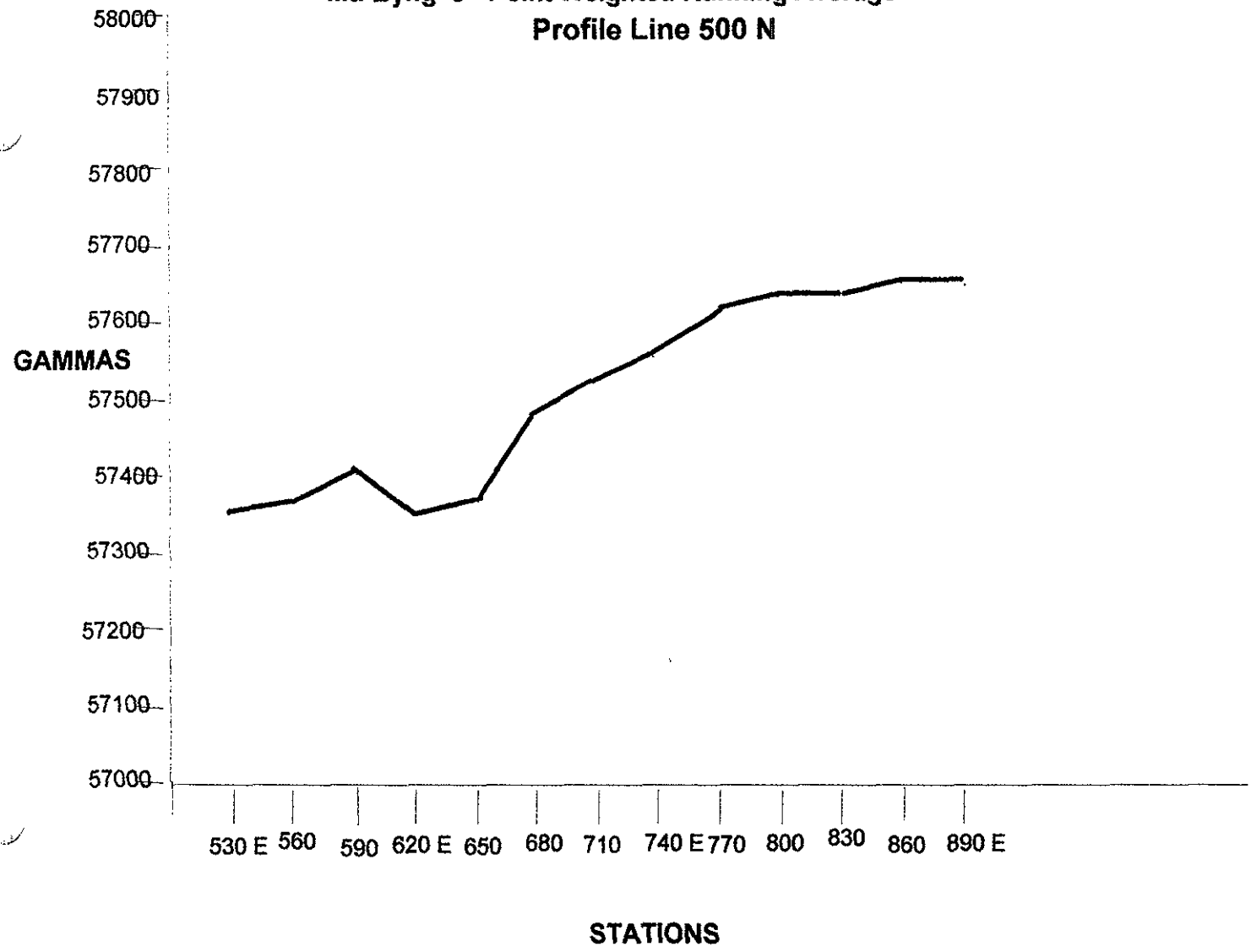
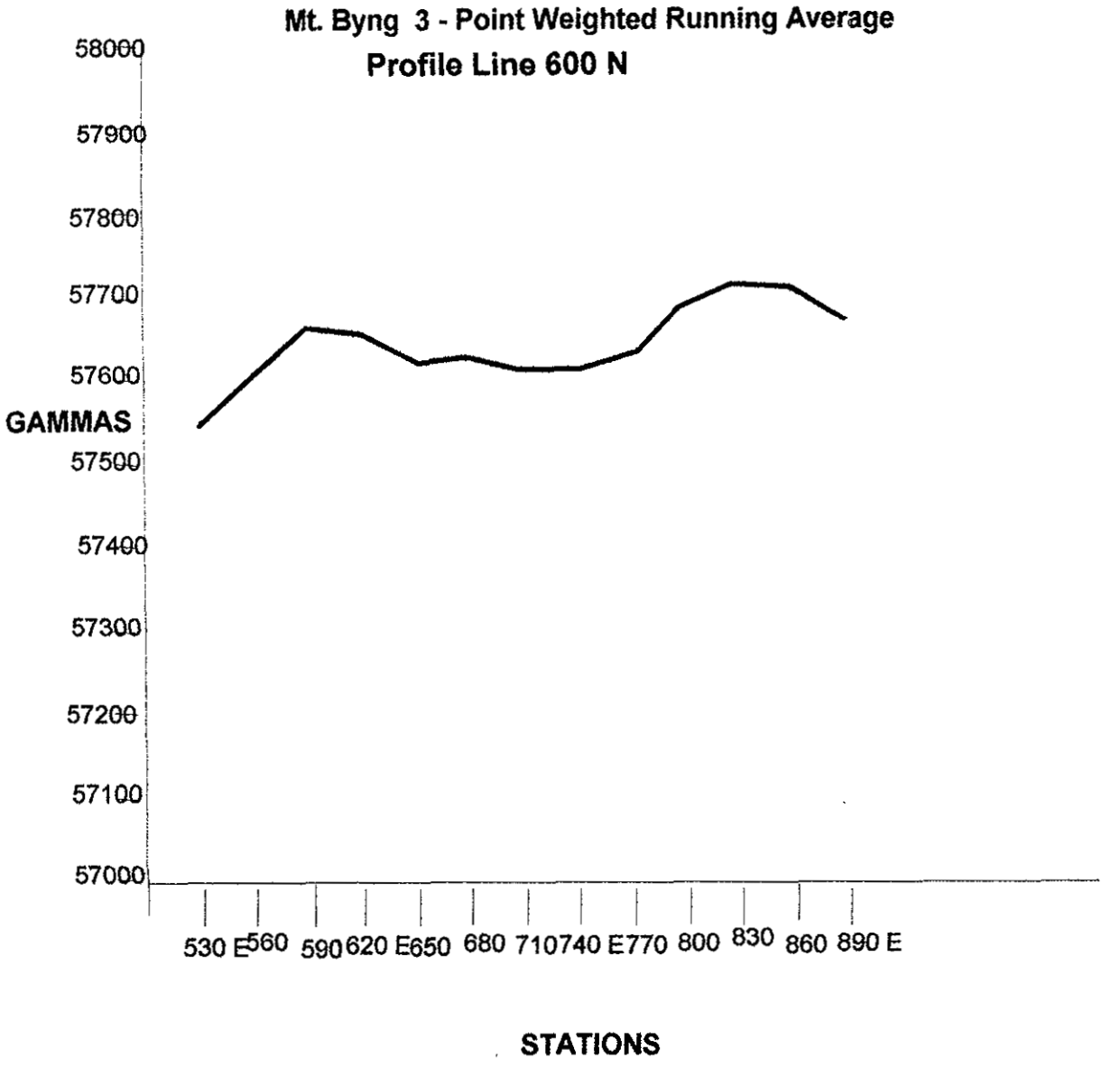
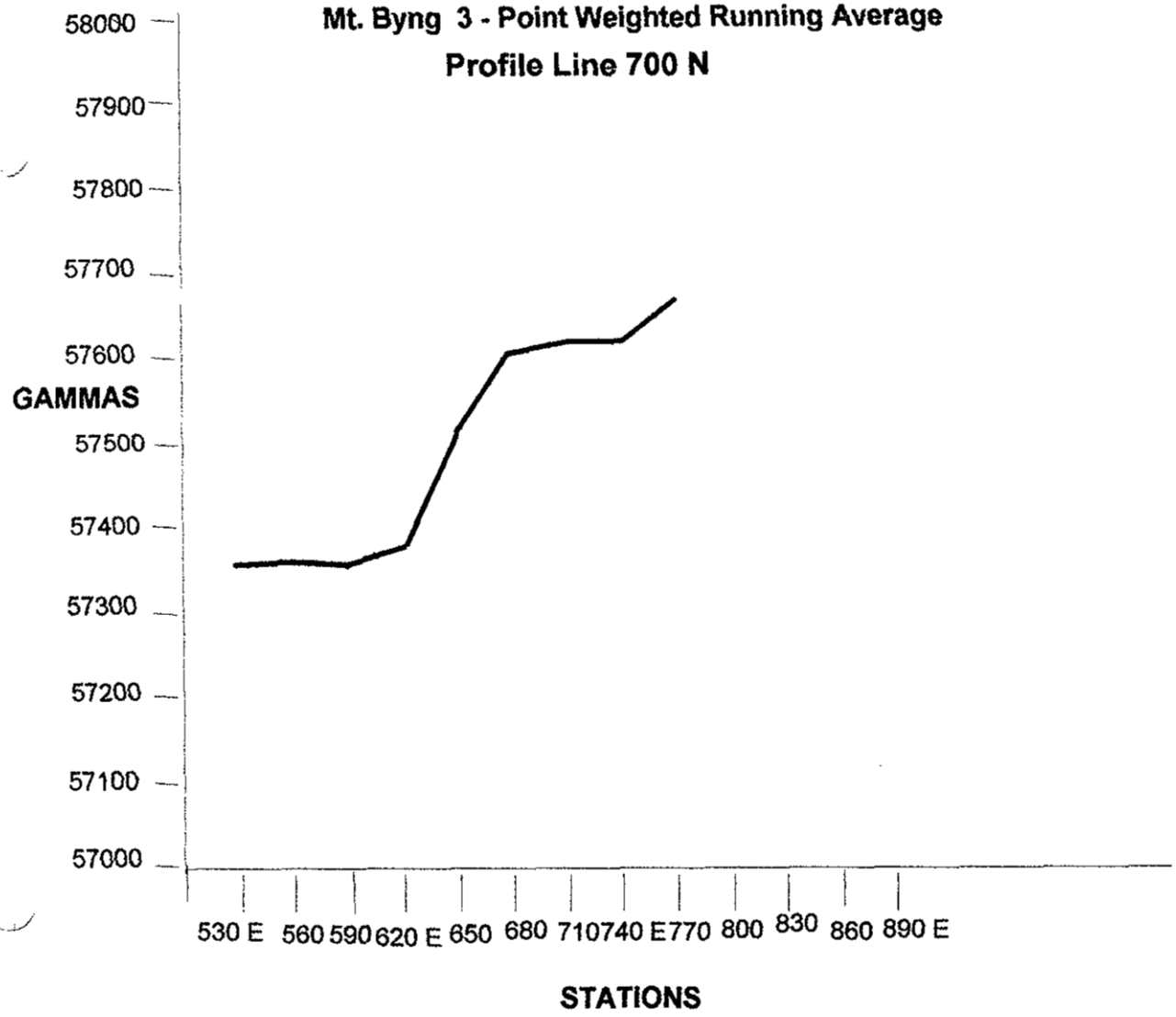
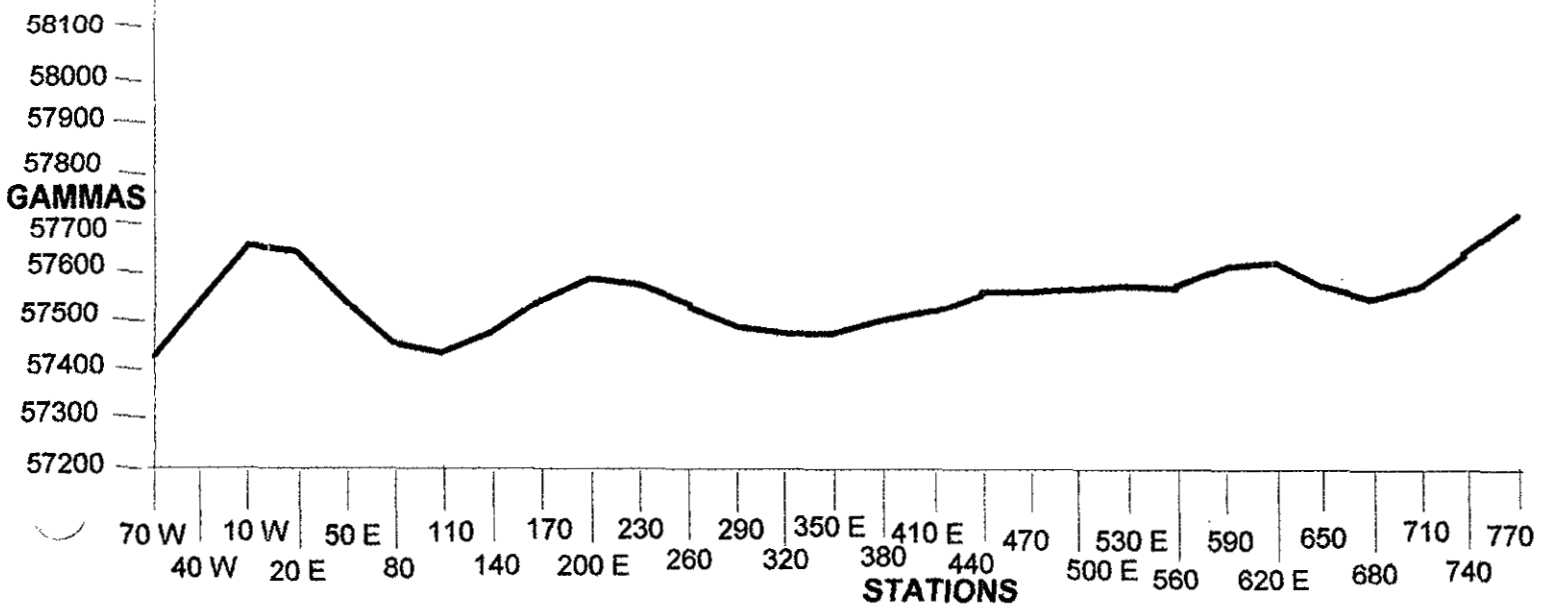
Profile Line 500 N




Mt. Byng 3 - Point Weighted Running Average
Profile Line 600 N
58000
57900
57800
57700
57600
GAMMAS
57500
57400
57300
57200
57100
57000
530 E560 590 620 E650 680 710 740 E770 800 830 860 890 E
STATIONS


Mt. Byng 3 - Point Weighted Running Average
Profile Line 700 N
58000
57900
57800
57700
57600
GAMMAS
57500
57400
57300
57200
57100
57000
530 E
560
590
620 E
650
680
710
740 E
770
800
830
860
890 E
STATIONS

Mt. Byng 3 - Point Weighted Running Average
Profile Line 800 N



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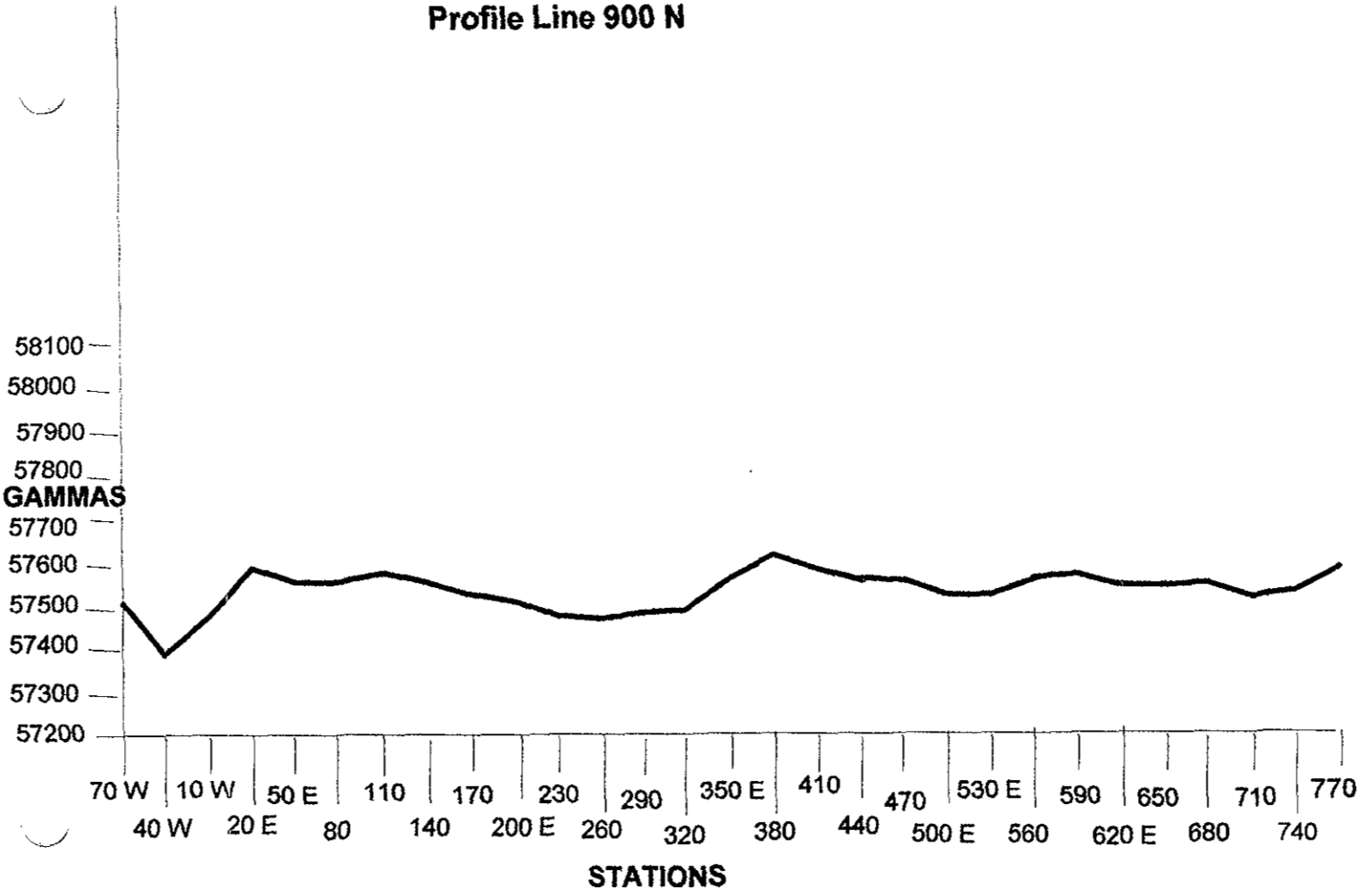
Profile Line 900 N



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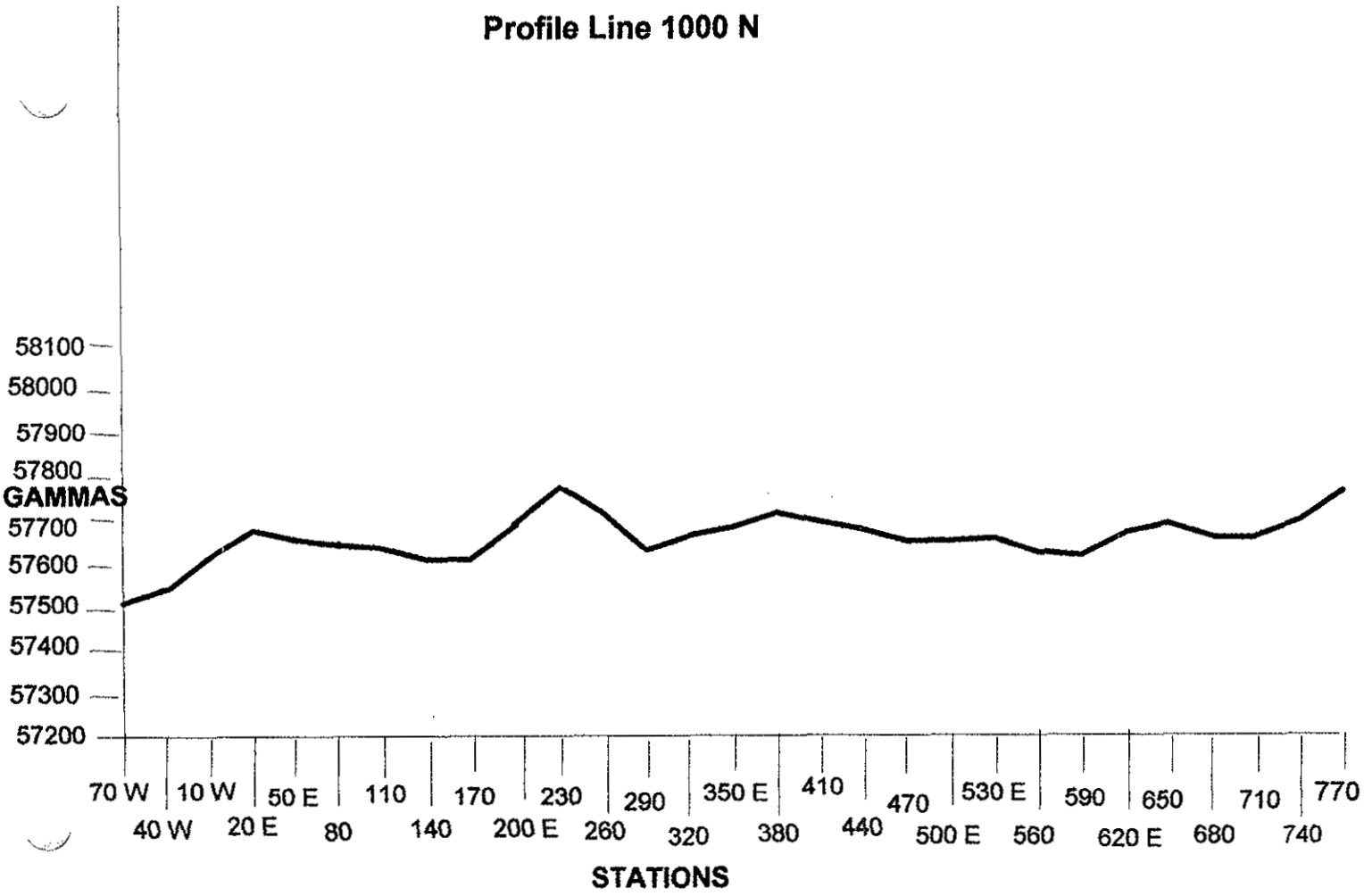
Profile Line 1000 N



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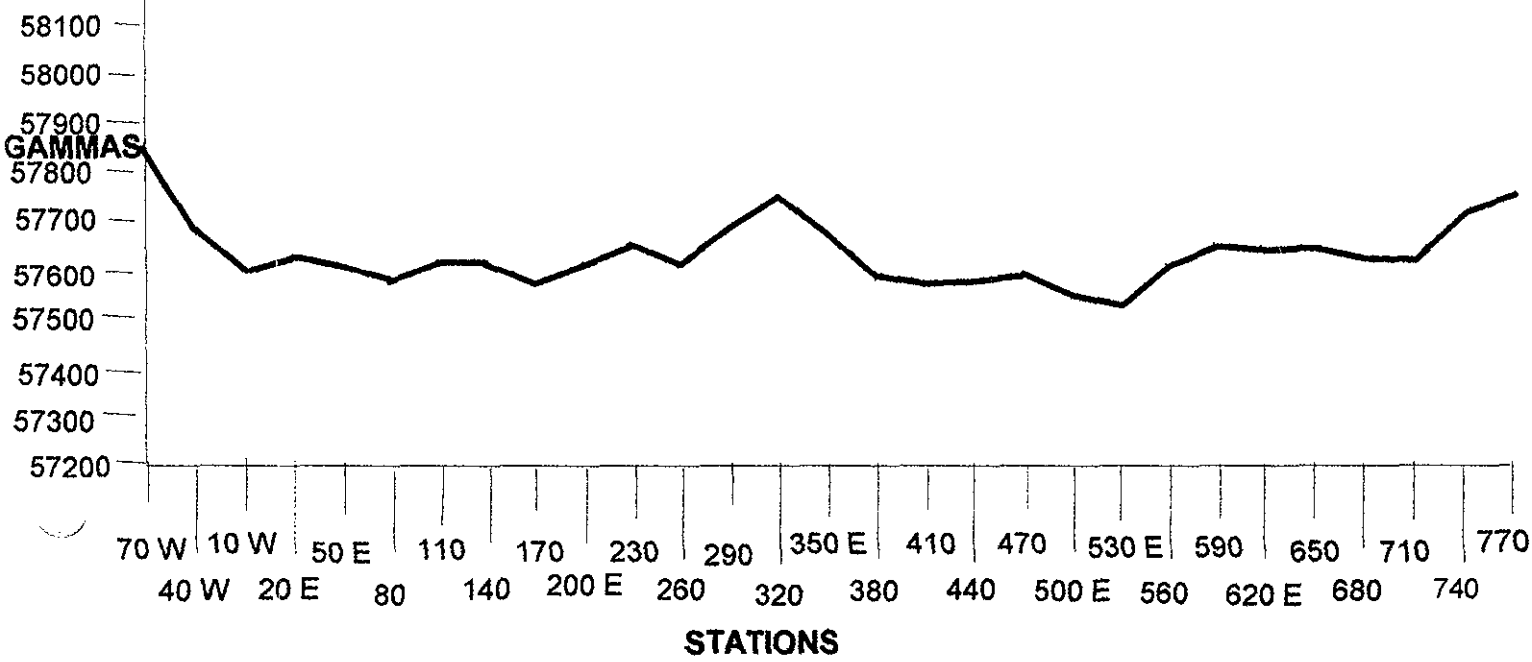
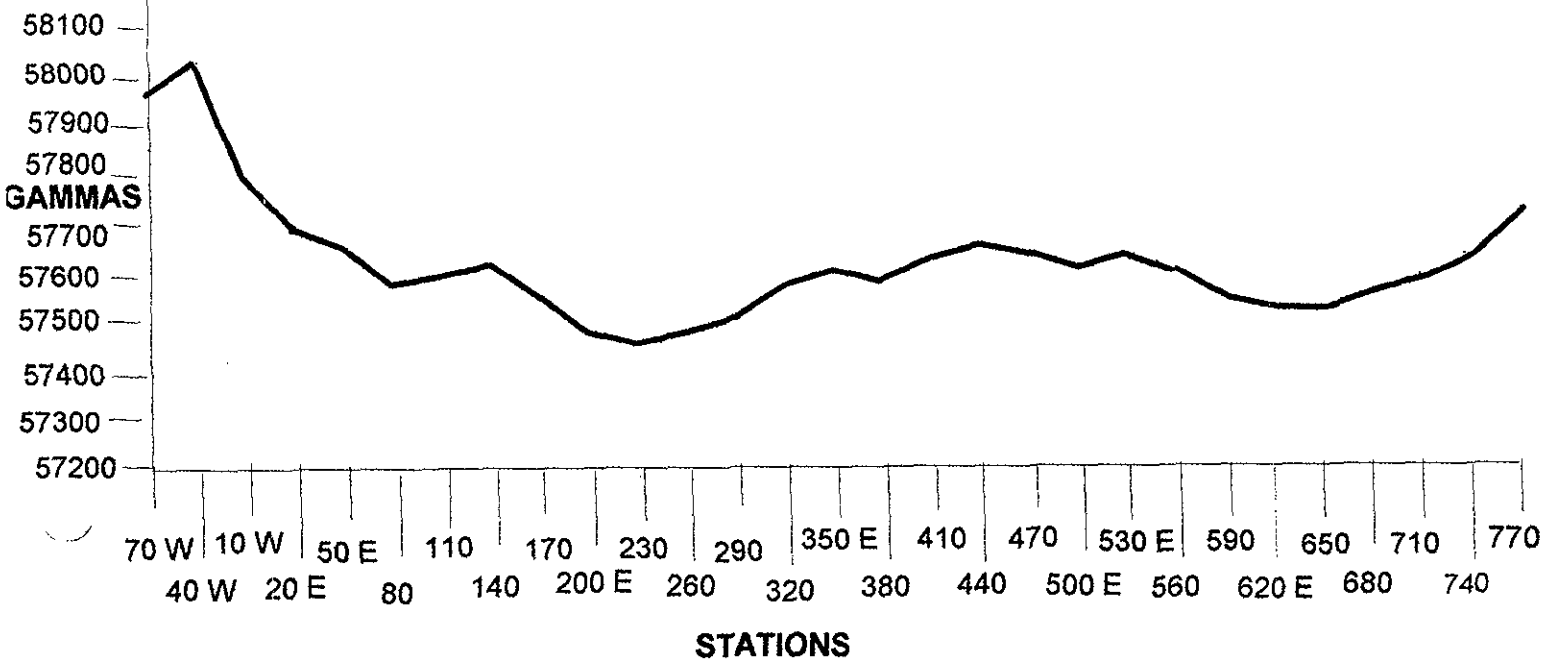
Profile Line 1100 N



STATIONS

Mt. Byng 3 - Point Weighted Running Average

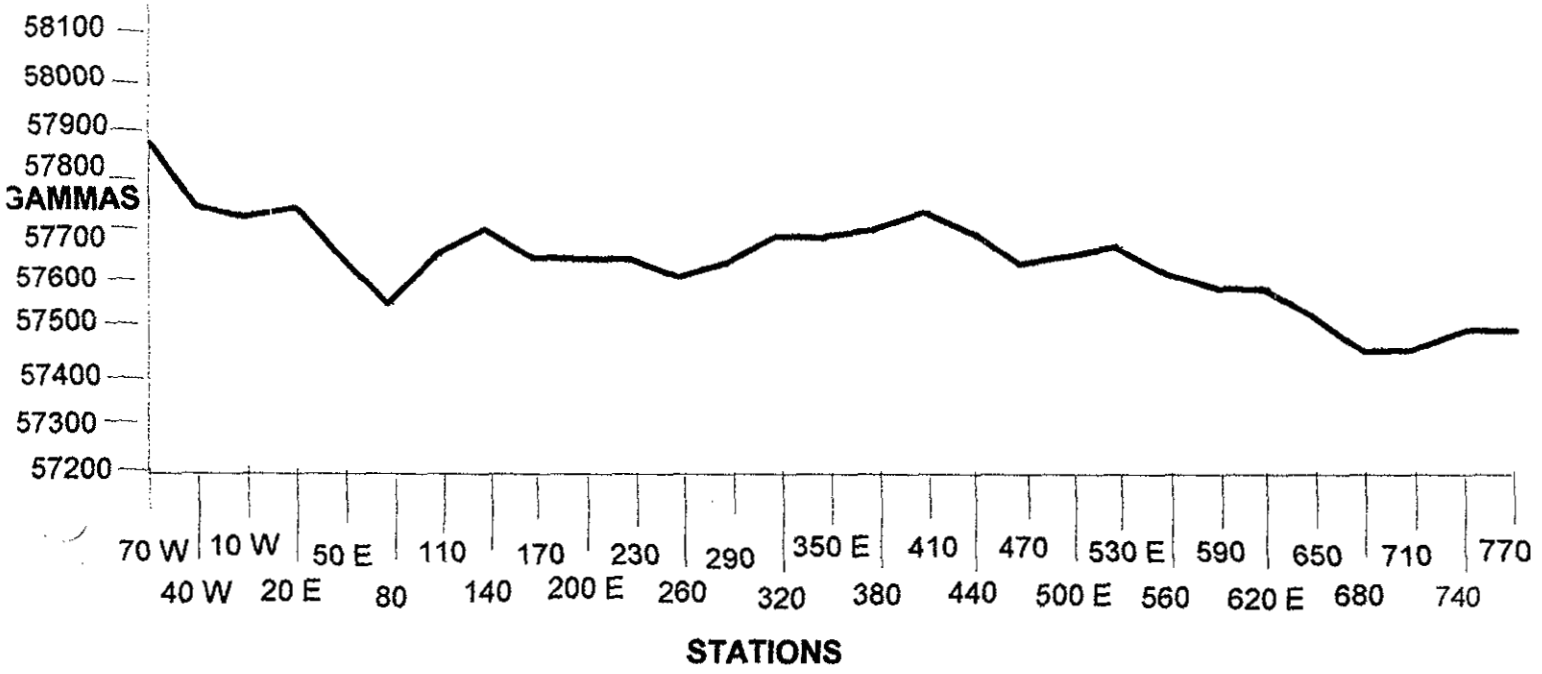
Profile Line 1200 N



STATIONS

Mt. Byng 3 - Point Weighted Running Average

Profile Line 1300 N



STATIONS

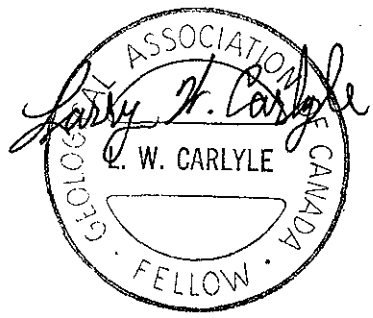
MT. BYNG 3 - POINT WEIGHTED RUNNING AVERAGES

STATION	200 N	300 N	400 N	500 N	600 N	700 N	800 N	900 N
890 E	57615	57503	57501	57655	57671			
860 E	57584	57456	57456	57657	57718			
830 E	57525	57422	57529	57647	57726			
800 E	57505	57432	57648	57636	57684			
770 E	57500	57434	57495	57608	57643	57667	57703	57587
740 E	57464	57385	57338	57561	57617	57622	57640	57524
710 E	57466	57334	57376	57528	57615	57620	57587	57518
680 E	57508	57303	57386	57481	57626	57611	57566	57558
650 E	57509	57315	57353	57377	57624	57507	57582	57569
620 E	57464	57377	57326	57351	57650	57383	57626	57566
590 E	57424	57398	57300	57408	57667	57354	57616	57579
560 E	57367	57359	57319	57385	57601	57357	57568	57565
530 E	57294	57349	57397	57352	57553	57351	57559	57527
500 E							57566	57521
470 E							57557	57547
440 E							57554	57562
410 E							57538	57589
380 E							57498	57615
350 E							57480	57562
320 E							57485	57498
290 E							57493	57482
260 E							57525	57474
230 E							57575	57481
200 E							57593	57507
170 E							57556	57528
140 E							57487	57555
110 E							57443	57577
80 E							57468	57564
50 E							57540	57565
20 E							57642	57594
10 W							57660	57483
40 W							57535	57392
70 W							57430	57519

1000 N	1100 N	1200 N	1300 N
57763	57756	57711	57498
57697	57709	57636	57497
57651	57632	57594	57448
57658	57631	57560	57446
57692	57656	57523	57531
57670	57654	57520	57581
57622	57649	57542	57581
57633	57612	57579	57607
57660	57544	57602	57646
57656	57558	57593	57631
57656	57598	57607	57611
57671	57591	57638	57678
57698	57589	57601	57724
57708	57595	57559	57680
57687	57666	57583	57666
57657	57752	57557	57667
57635	57684	57485	57611
57706	57621	57451	57590
57780	57655	57444	57624
57695	57631	57465	57624
57603	57587	57530	57630
57603	57619	57596	57693
57638	57627	57576	57640
57651	57586	57561	57542
57662	57612	57630	57622
57681	57638	57663	57727
57619	57609	57774	57704
57545	57698	58007	57744
57519	57865	57973	57874

1996 STATEMENT OF COSTS: (See Appendix B for Invoices)

Helicopter		$1292.34
Telephone		$ 55.00
Field Assistant (Wages & Benefits)		$1300.00
Labour (12 days @ $50/day)		$ 600.00
Report Writing (3 days @ $200/day)		$ 600.00
Room & Board (12 days @ $70/day)		$ 840.00
Assaying – 73 soil samples @ $18 ea.		$1314.00
-- 3 rock samples @ $21 ea.		$ 63.00
Assay Coupons	-	$ 49.50
GST		$ 96.39
Field Supplies (Fuel, Flagging, Topofil, etc.)		$ 70.00
Magnetometer Rental (2 days @ $100/day)		$ 200.00
Total		$6287.45



CONCLUSIONS:

Grid soil sampling and magnetometer surveying have proven useful over the area north and east of the "R" Zone.

An area of hornfelsed sediments which are separated from the pyroxene gabbro by a small N-S fault in-filled with rhyolite near the baseline (0 + 00) between lines 8 + 00 N and 13 + 00 N returned coincident anomalous gold, arsenic, copper, and molybdenum values as well as a magnetic anomaly.

Coincident gold, arsenic, copper, lead, zinc, and molybdenum values were returned from the samples taken at 3 + 00 E, 0 + 00; 4 + 00 E, 4 + 00 N; and 4 + 00 E, 6 + 00 N. Several other single high magnetic readings are associated with high geochemical values in several places in the survey area and may indicate mineralization.

The geological mapping has located several areas where the Mt. Byng felsite intrudes the sediments east of the major N-S fault where geochemical and magnetometer surveying was not done (See 10,000 Scale Geological Mapping). The sediments in

these areas are hornfelsed with trace amounts of pyrite being the only sulphide mineralization seen.

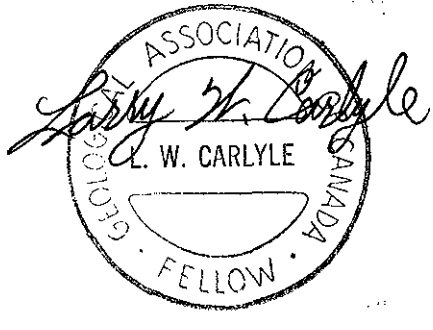
The gold values obtained from the small soil sampling grid done at the "Creek Showing" returned gold values which were generally below background. However, the arsenic and copper values indicate higher grades exist in and east of the creek.

RECOMMENDATIONS:

The success of the soil geochemistry and magnetometer surveys in the area indicate that soil sampling should be done at closer spacings to better delineate the anomalies. Once this has been accomplished, the delineated anomalies should be trenched with the use of machinery.

The soil geochemistry and magnetometer surveys should be extended still further east to investigate the areas where the Mt. Byng felsite intrudes and hornfels the sediments. The trace pyrite mineralization located here suggests that extending the anomalous values in gold, arsenic, and copper in this direction are good.

The values obtained from the "Creek Showing" soil samples suggest that extending the sampling grid up and down the creek as well as east of the creek offers an excellent opportunity for delineating anomalies.



REFERENCES:

Carlyle, L.W. (1994) "Report on the 1994 Work Program BM Claims, Mt. Byng Area"

Carlyle, L.W. (1995) "Report on the 1995 Work Program BM Claims, Mt. Byng Area"

INAC, (1990) "Yukon Exploration 1990", pgs. 52 - 56

INAC, Open File 1995-4 (G) "Preliminary geology of Mount M'Clintock map area southern Yukon NTS 105 D/16

INAC, (1995) "Yukon Exploration & Geology 1994", pgs. 87 - 103

STATEMENT OF QUALIFICATIONS

I, LARRY W. CARLYLE, do certify:

That I am a professional geologist resident at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.

That I hold a B. Sc. Degree in geology from the University of British Columbia (1970).

That I am a Fellow of the Geological Association of Canada (F - 4355).

That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta (41097).

That I have practised my profession as a mine and exploration geologist for nineteen years.

The conclusions and recommendations in the attached report are based on work I performed on the property and on a review of available private and public reports on the property.

DATED at Whitehorse, Yukon this 24th day of October, 1996.

APPENDIX A

ANALYTICAL CERTIFICATES

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (403) 668-4968
Fax: (403) 668-4890

27/09/96 Assay Certificate

Larry Carlyle WO# 07056

Sample #	Au ppb
2N 3E	<5
2N 4E	6
2N 5E	11
2N 6E	5
2N 7E	10
2N 8E	<5
4N 3E	8
4N 4E	31
4N 5E	12
4N 6E	15
4N 7E	12
4N 8E	7
6N 3E	11
6N 4E	25
6N 5E	7
6N 6E	25
6N 7E	10
6N 8E	10
8N 1W	59
8N 0+00	21
8N 1E	12
8N 2E	9
8N 3E	5
8N 4E	6
8N 5E	<5
8N 6E	6
8N 7E	<5
8N 8E	5
10N 1W	12
10N 0+00	8

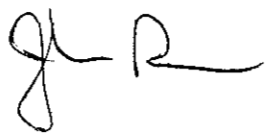
Certified by

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (403) 668-4968
Fax: (403) 668-4890

Larry Carlyle WO# 07056

Sample #	Au ppb
10N 1E	17
10N 2E	15
10N 3E	10
10N 4E	12
10N 5E	8
10N 6E	10
10N 7E	8
10N 8E	<5
12N 1W	12
12N 0+00	17
12N 1E	14
12N 2E	15
12N 3E	22
12N 4E	12
12N 5E	11
12N 6E	16
12N 7E	12
12N 8E	7
0+00 2+50E	65
0+00 3E	30
0+00 3+50E	7
0+00 4E	8
0+00 4+50E	12
0+00 5E	11
0+00 5+50E	13
0+00 6E	<5
0+00 6+50E	12
0+00 7E	12
0+00 7+50E	5
0+00 8E	9

Certified by 

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (403) 668-4968
Fax: (403) 668-4890

Larry Carlyle WO# 07056

Sample #	Au ppb
CS 50W 0+00	6
CS 0+00 BL	<5
CS 50E 0+00	<5
CS 100E 0+00	<5
CS 1N BL	5
CS 1N 50E	7
CS 1N 1E	7
CS 1N 150E	8
CS 2N BL	<5
CS 2N 50E	5
CS 2N 1E	<5
CS 2N 150E	<5
CS 2N 2E	7
CS - 1	5
BC 96 - 1	6
BC 96 - 2	6

Certified by

CERTIFICATE OF ANALYSIS
iPL 96 0939

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Northern Analytical Laboratories iPL: 96I0939 Out: Oct 01, 1996 Page 1 of 2 Section 1 of 2
Project: W.O. 7056 76 Pulp In: Sep 26, 1996 [093914:35:34:69100196] Certified BC Assayer: David Chiu

Sample	Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
0+00	2+50E	P	<	77	14	59	55	<	<	4	<	<	<	24	59	91	<	91	98	461	6	24	1	4	0.10	2.47	0.32	3.21	1.47	0.08	0.03
0+00	3+00E	P	1.3	62	169	230	132	<	<	5	<	<	2.2	18	55	99	<	69	72	619	9	27	1	3	0.06	1.88	0.33	2.81	1.05	0.07	0.03
0+00	3+50E	P	<	43	20	67	61	<	<	3	<	<	0.5	14	31	82	<	43	59	508	8	15	1	2	0.06	1.79	0.21	2.22	0.72	0.05	0.03
0+00	4+00E	P	<	48	11	63	60	<	<	4	<	<	0.5	15	55	156	<	64	69	601	10	24	1	2	0.06	1.74	0.45	2.74	0.97	0.06	0.03
0+00	4+50E	P	<	49	14	71	54	<	<	3	<	<	0.5	18	60	190	<	68	75	627	10	25	1	4	0.08	1.99	0.41	2.98	1.09	0.08	0.03
0+00	5+00E	P	<	44	8	62	41	<	<	2	<	<	0.4	13	42	212	<	59	69	467	13	28	<	3	0.06	1.85	0.48	2.67	0.85	0.06	0.03
0+00	5+50E	P	<	47	12	79	37	<	<	3	<	<	0.7	22	58	381	<	45	46	3011	15	50	<	1	0.03	1.57	1.05	2.02	0.63	0.04	0.03
0+00	6+00E	P	<	28	12	49	39	<	<	1	<	<	0.1	10	45	172	<	61	51	213	9	16	1	4	0.06	1.49	0.28	1.70	0.75	0.05	0.02
0+00	6+50E	P	<	30	14	59	17	<	<	2	<	<	0.4	14	44	191	<	47	55	584	18	25	2	5	0.09	1.40	0.46	2.40	0.79	0.13	0.03
0+00	7+00E	P	<	25	14	52	17	<	<	1	<	<	0.3	13	40	161	<	44	52	534	15	24	2	4	0.08	1.31	0.41	2.25	0.74	0.10	0.03
0+00	7+50E	P	<	46	17	96	20	<	<	2	<	<	0.9	11	50	154	<	50	57	417	13	26	3	4	0.08	1.29	0.46	2.75	0.74	0.12	0.03
0+00	8+00E	P	<	20	8	42	15	<	<	1	<	<	<	8	43	133	<	41	44	255	10	17	1	2	0.05	1.21	0.32	1.89	0.65	0.07	0.02
2+00N	3+00E	P	<	52	10	72	48	<	<	3	<	<	<	27	54	126	<	132	130	602	7	26	1	6	0.14	2.86	0.44	3.61	2.06	0.22	0.05
2+00N	4+00E	P	<	31	7	48	81	<	<	2	<	<	0.5	13	30	79	<	55	79	277	5	17	<	3	0.08	1.78	0.20	2.76	0.81	0.06	0.03
2+00N	5+00E	P	<	50	13	64	89	<	<	3	<	<	<	18	42	111	<	86	94	538	8	27	1	4	0.08	2.37	0.41	3.07	1.33	0.11	0.04
2+00N	6+00E	P	<	43	13	64	43	<	<	4	<	<	0.5	15	45	185	<	61	67	629	16	27	1	3	0.05	2.08	0.40	2.48	0.95	0.07	0.03
2+00N	7+00E	P	<	34	11	60	23	<	<	2	<	<	0.4	15	50	187	<	50	59	589	14	28	2	5	0.08	1.40	0.45	2.50	0.83	0.11	0.03
2+00N	8+00E	P	<	37	13	76	22	<	<	2	<	<	0.5	14	56	228	<	52	60	576	16	27	4	5	0.09	1.55	0.52	2.68	0.91	0.19	0.04
4+00N	3+00E	P	<	220	6	78	602	15	<	9	<	<	<	61	55	90	<	33	104	1211	4	27	1	6	0.09	2.01	0.64	5.14	1.26	0.25	0.05
4+00N	4+00E	P	0.6	226	8	88	549	10	<	9	<	<	<	46	132	88	<	148	132	1120	4	49	1	8	0.15	3.67	1.05	5.23	2.63	0.38	0.10
4+00N	5+00E	P	<	77	12	60	245	9	<	7	<	<	<	22	55	105	<	72	84	616	7	24	1	4	0.07	2.34	0.46	3.30	1.17	0.09	0.05
4+00N	6+00E	P	<	70	10	65	169	7	<	9	<	<	<	21	51	126	<	82	96	611	9	22	1	5	0.08	2.53	0.39	3.37	1.33	0.10	0.04
4+00N	7+00E	P	<	54	12	68	96	5	<	5	<	<	0.4	15	47	199	<	61	70	677	14	28	1	3	0.04	2.03	0.51	2.73	0.92	0.07	0.03
4+00N	8+00E	P	<	41	12	53	46	<	<	3	<	<	<	13	38	179	<	71	93	431	7	26	1	2	0.07	2.08	0.27	3.09	0.97	0.09	0.03
6+00N	3+00E	P	0.1	196	15	80	356	8	<	18	<	<	<	47	67	92	<	58	92	868	5	35	1	4	0.10	2.74	0.48	4.63	1.28	0.13	0.07
6+00N	4+00E	P	<	80	56	123	421	6	<	11	<	<	<	23	42	175	<	50	78	877	10	24	2	5	0.07	2.38	0.48	3.99	1.21	0.10	0.05
6+00N	5+00E	P	<	68	10	68	155	6	<	5	<	<	<	18	49	171	<	53	74	547	11	33	2	5	0.08	1.66	0.50	3.16	1.01	0.11	0.05
6+00N	6+00E	P	<	54	10	67	60	5	<	3	<	<	0.4	15	55	192	<	61	69	503	11	30	1	4	0.07	1.69	0.54	2.81	1.00	0.09	0.04
6+00N	7+00E	P	<	38	6	68	25	<	<	2	<	<	0.5	14	49	185	<	57	71	454	11	29	2	4	0.07	1.64	0.56	2.81	1.02	0.06	0.03
6+00N	8+00E	P	<	58	11	70	38	<	<	2	<	<	0.1	20	53	219	<	63	88	589	13	36	4	6	0.09	1.76	0.59	3.09	1.08	0.17	0.04
8+00N	0+00BL	P	<	139	21	70	596	12	<	11	<	<	<	33	51	132	<	45	101	923	8	85	1	8	0.03	2.05	0.89	5.07	1.11	0.05	0.04
8+00N	1+00E	P	<	78	17	79	170	5	<	7	<	<	<	21	42	160	<	59	86	615	9	43	1	3	0.04	2.53	0.52	3.49	1.01	0.08	0.04
8+00N	2+00E	P	<	48	11	64	93	6	<	5	<	<	<	17	39	159	<	58	76	464	8	34	1	4	0.04	1.81	0.53	3.12	0.91	0.09	0.03
8+00N	3+00E	P	<	40	10	55	26	<	<	2	<	<	0.6	12	59	159	<	48	55	457	11	29	2	4	0.07	1.48	0.44	2.40	0.84	0.08	0.03
8+00N	4+00E	P	<	33	10	58	42	<	<	3	<	<	0.4	12	43	149	<	47	60	474	9	22	1	3	0.06	1.45	0.38	2.64	0.79	0.06	0.02
8+00N	5+00E	P	<	72	11	72	107	6	<	9	<	<	<	20	47	155	<	65	82	553	8	27	1	3	0.06	2.28	0.48	3.20	1.21	0.06	0.03
8+00N	6+00E	P	<	36	11	70	60	5	<	4	<	<	0.5	12	46	192	<	57	64	392	11	28	2	4	0.08	1.70	0.50	2.66	0.91	0.07	0.03
8+00N	7+00E	P	<	36	9	84	48	5	<	3	<	<	0.8	12	38	188	<	47	59	795	8	27	1	2	0.03	1.68	0.51	2.50	0.74	0.05	0.03
8+00N	8+00E	P	<	21	9	48	29	<	<	2	<	<	0.1	8	20	130	<	35	54	666	6	20	<	<	0.02	1.13	0.20	1.97	0.37	0.04	0.02
Min Limit			0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICAT OF ANALYSIS
iPL 96I0939

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, BC
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Northern Analytical Laboratories iPL: 96I0939 Out: Oct 08, 1996 Page 2 of 2 Section 1 of 2
Project: W.O. 7056 76 Pulp In: Sep 26, 1996 [093911:29:58:69100896] Certified BC Assayer: David Chiu

Sample Name			Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
8+00N	1+00W	P	0.2	67	61	84	365	<	<	6	<	<	<	20	31	308	<	37	80	999	8	57	1	4	0.02	1.51	0.70	3.75	0.63	0.07	0.02
10+00N	0+00BL	P	<	80	9	70	91	<	<	4	<	<	<	34	78	117	<	112	96	675	5	31	1	5	0.11	2.95	0.30	3.62	1.45	0.13	0.04
10+00N	1+00E	P	<	73	7	66	155	6	<	4	<	<	<	18	40	181	<	61	93	542	9	45	1	5	0.08	1.73	1.02	3.29	0.97	0.15	0.05
10+00N	2+00E	P	<	53	7	72	122	5	<	3	<	<	<	21	38	149	<	91	111	658	9	42	1	6	0.11	2.08	0.68	3.45	1.22	0.21	0.05
10+00N	3+00E	P	<	52	7	68	46	<	<	3	<	<	<	20	32	169	<	98	121	645	7	45	1	4	0.14	2.22	1.07	3.52	1.36	0.24	0.04
10+00N	4+00E	P	<	50	7	83	45	<	<	2	<	<	0.7	17	41	206	<	68	93	651	10	50	2	6	0.10	1.78	1.23	2.91	1.09	0.26	0.04
10+00N	5+00E	P	<	33	8	59	21	<	<	2	<	<	0.5	10	43	171	<	44	59	302	12	25	1	3	0.07	1.55	0.45	2.48	0.72	0.06	0.02
10+00N	6+00E	P	<	60	7	66	42	<	<	3	<	<	0.6	16	46	224	<	53	78	540	14	56	2	5	0.09	1.81	0.86	2.86	1.05	0.14	0.04
10+00N	7+00E	P	<	33	8	60	29	<	<	1	<	<	0.5	11	30	156	<	42	65	525	12	34	1	2	0.05	1.66	0.38	2.42	0.77	0.08	0.03
10+00N	8+00E	P	<	42	9	64	41	<	<	2	<	<	0.5	12	43	233	<	59	74	594	13	32	1	2	0.04	2.31	0.43	2.96	0.89	0.07	0.02
10+00N	1+00W	P	<	166	7	75	77	6	<	31	<	<	<	49	86	117	<	93	108	742	4	121	1	6	0.15	3.38	0.63	4.74	2.01	0.57	0.09
12+00N	0+00BL	P	<	51	8	50	77	5	<	3	<	<	<	19	47	92	<	39	64	546	10	22	1	2	0.04	2.42	0.19	3.04	0.60	0.04	0.03
12+00N	1+00E	P	<	68	12	55	176	<	<	3	<	<	0.3	18	41	96	<	51	72	526	8	34	1	2	0.06	2.29	0.29	2.96	0.77	0.06	0.03
12+00N	2+00E	P	<	68	7	67	57	9	<	2	<	<	<	19	40	141	<	85	117	629	9	39	1	5	0.14	1.82	1.00	3.63	1.23	0.26	0.04
12+00N	3+00E	P	<	65	6	68	53	5	<	2	<	<	<	15	33	183	<	73	105	375	11	40	2	6	0.14	1.97	0.74	3.33	1.23	0.33	0.05
12+00N	4+00E	P	0.2	74	9	95	47	5	<	2	<	<	<	20	42	267	<	82	128	512	10	48	2	8	0.14	2.54	0.95	3.63	1.65	0.41	0.06
12+00N	5+00E	P	0.1	53	8	66	32	<	<	2	<	<	<	18	44	220	<	75	94	553	10	32	2	6	0.12	1.91	0.75	3.02	1.17	0.25	0.03
12+00N	6+00E	P	<	74	10	76	37	<	<	1	<	<	<	16	51	204	<	59	81	487	13	75	2	6	0.10	1.79	0.85	3.09	1.14	0.18	0.05
12+00N	7+00E	P	<	48	7	73	34	<	<	2	<	<	0.5	13	48	216	<	53	74	536	11	76	1	4	0.07	1.81	0.97	2.86	1.03	0.08	0.04
12+00N	8+00E	P	<	26	9	56	23	<	<	1	<	<	0.3	10	32	136	<	45	60	433	13	30	1	3	0.06	1.51	0.45	2.38	0.78	0.04	0.02
12+00N	1+00W	P	0.3	68	7	82	323	7	<	8	<	<	<	61	162	86	<	158	162	1242	5	50	1	17	0.05	4.09	0.48	5.34	2.83	0.07	0.06
CS	0+00BL	P	<	50	14	66	63	<	<	2	<	<	0.5	15	42	152	<	55	71	374	11	24	1	2	0.04	2.73	0.22	2.87	0.90	0.07	0.03
CS 0+00	0+50E	P	<	49	10	65	63	6	<	2	<	<	0.5	16	43	171	<	53	67	500	13	37	1	4	0.05	2.22	0.42	2.66	0.89	0.06	0.04
CS 0+00	1+00E	P	<	78	13	95	51	5	<	2	<	<	<	20	67	160	<	70	77	669	12	42	1	4	0.08	2.09	0.58	3.25	1.04	0.09	0.04
CS 0+00	0+50W	P	<	22	9	46	16	<	<	1	<	<	0.4	11	43	107	<	50	57	439	13	15	1	2	0.06	1.21	0.26	2.25	0.66	0.06	0.03
CS 1+00N	BL	P	<	38	9	59	29	<	<	1	<	<	0.3	14	42	124	<	53	63	423	11	26	1	3	0.08	1.67	0.33	2.47	0.76	0.10	0.03
CS 1+00N	0+50E	P	<	46	7	63	38	<	<	2	<	<	0.4	15	41	133	<	62	73	482	10	29	1	3	0.07	1.92	0.36	2.74	0.89	0.08	0.03
CS 1+00N	1+00E	P	<	43	10	69	37	<	<	1	<	<	0.5	14	37	129	<	56	73	466	9	34	1	2	0.06	1.91	0.39	2.71	0.80	0.07	0.03
CS 1+00N	1+50E	P	0.6	79	11	82	113	6	<	2	<	<	0.6	15	39	179	<	65	77	615	14	44	1	3	0.04	2.05	0.89	2.91	0.88	0.08	0.03
CS 2+00N	BL	P	<	39	8	55	32	<	<	2	<	<	0.4	12	28	110	<	50	71	351	8	38	<	2	0.06	1.53	0.39	2.52	0.66	0.08	0.03
CS 2+00N	0+50E	P	<	53	8	71	83	5	<	1	<	<	<	20	42	157	<	83	104	567	9	35	1	5	0.13	1.97	0.48	3.32	1.30	0.35	0.03
CS 2+00N	1+00E	P	0.2	58	10	94	66	5	<	3	<	<	<	24	51	177	<	94	110	799	10	41	1	5	0.12	2.40	0.66	3.66	1.36	0.26	0.03
CS 2+00N	1+50E	P	0.1	49	9	90	84	5	<	2	<	<	<	17	45	166	<	72	86	514	10	41	1	4	0.10	2.00	0.55	3.11	1.03	0.16	0.03
CS 2+00N	2+00E	P	<	66	9	77	117	5	<	2	<	<	<	18	49	228	<	71	90	526	11	54	1	4	0.10	2.23	0.55	3.32	1.10	0.14	0.04
BC 96-1		P	<	7	43	22	35	<	<	1	<	<	0.4	2	5	100	<	76	4	162	18	8	16	1	<	0.24	0.15	0.59	0.02	0.13	0.03
BC 96-2		P	0.8	86	13	37	9	5	<	6	<	<	0.4	14	58	52	<	101	46	95	7	74	4	1	0.08	0.89	1.01	2.06	0.34	0.18	0.14
CS-1		P	<	9	13	29	21	<	<	2	<	<	<	7	14	74	<	68	35	213	22	60	19	2	0.09	1.31	0.88	1.34	0.53	0.25	0.13
Min Limit			0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

APPENDIX B

INVOICES SUPPORTING

STATEMENT OF COSTS

Heli Dynamics Ltd.

Heli Dynamics Ltd.

Helicopter Charter Services
Phone : (403) 668-3536 or 667-4971
Fax : (403) 668-5637
P.O. Box 4280
Whitehorse, Yukon Y1A 3T3

INVOICE No.
4035

Charterer Billing Address: Larry Carlyle.			Customer P.O. #
			Flight Authorized By : Larry H. Carlyle
Aircraft : C-FKOX	Type 206	Rate/Hour : 600.00	Pilot : Karl Zieke
Date : Aug 21/96	Fuel : [V] HD [ ] Customer		Base : Whitehorse

From :	To :	Time Up	Time Down	Flight Time
Whitehorse	Sheldon Ck.	9:28		
Sheldon Ck	White horse		10:22	.9
			TOTAL REV HOURS :	.9

Paid by chq # 853

EXPENSES		G.S.T	FUEL Cost/Litre	Hours @ 100 Litres/hour	FUEL COST
Hotel					
Food			.71	100	
Transport					
TOTAL EXPENSES					
	TOTAL G.S.T.			TOTAL FUEL COSTS =	

SUMMARY		AMOUNT	G.S.T.	TOTAL
.9	Hours FLYING	540.00	37.80	577.80
.9	Hours FUEL & OIL	63.90	4.47	68.37
	Expenses			
	TOTALS			
			GRAND TOTAL	$ 646.17

Heli Dynamics Ltd.

Heli Dynamics Ltd.

Helicopter Charter Services
Phone : (403) 668-3536 or 667-4971
Fax : (403) 668-5637
P.O. Box 4280
Whitehorse, Yukon Y1A 3T3

INVOICE No. 4155

Charterer Billing Address: Harry Carlyle.			Customer P.O. #
			Flight Authorized By : Larry H. Carlyle
Aircraft : C-GHDD	Type 206	Rate/Hour : 600	Pilot : Karl Zicke
Date : Sept. 2/96	Fuel : [X] HD [ ] Customer		Base : Whitehorse

From :	To :	Time Up	Time Down	Flight Time
Whitehorse	Mt Byng - Ret.	11:07	12:00	.9
			TOTAL REV HOURS :	.9

Rec'd Chq. 853

EXPENSES		G.S.T	FUEL Cost/Litre	Hours @ 100 Litres/hour	FUEL COST
Hotel					
Food			.71		
Transport					
TOTAL EXPENSES					
	TOTAL G.S.T.			TOTAL FUEL COSTS =	

SUMMARY		AMOUNT	G.S.T.	TOTAL
.9	Hours FLYING	540.00	37.80	577.80
.9	Hours FUEL & OIL	63.90	4.47	68.37
	Expenses			
	TOTALS			
			GRAND TOTAL	646.17

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (403) 668-4968
Fax: (403) 668-4890

Invoice for Analytical Services

To:

Larry Carlyle

Invoice Date: 27/09/96

WO# 07056

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
3	Rock/D.C. Sample Preparation	5.00	15.00
73	Soil/Sediment Sample Preparation	2.00	146.00
	Analyses:		
76	Au + 30	16.00	1216.00

Subtotal	1377.00
GST @7% (R 121285662)	96.39
Assay Coupons	($49.50)
Total due on receipt of invoice	$1,423.89

2% per month charged on overdue accounts

PAID Ck#867 JR

Larry Carlyle, Geologist
74 Tamarack Drive
Whitehorse, Yukon
Y1A 4Y6
403-633-3910

REVENUE CANADA - DEDUCTIONS REMITTANCE - SEPTEMBER 96

Employee: Will Skitmore -- Holiday Pay
Period of June 6 to August 15/96: 4% of $4000.00 $ 160.00

Employee: Kelsey Brenton
Gross Salary for Period Worked of Aug. 21 - Sept. 1/96 $1250.00
Holiday Pay: 4% of $1250.00 $ 50.00 $1300.00

	Employees:	Employer:	Total:
CPP	$ 33.24	$ 33.24	$ 66.48
UIC	$ 43.07	$ 60.30	$103.37
TAX	$ 3.45	0.00	$ 3.45

AMOUNT TO PAY **$173.30**

Cheque #880, October 14, 1996

BM & BC CLAIM GEOLOGY

Geology by Carlyle after Bremner, Hart & Hunt

SCALE 1:10,000

093566

LEGEND

- mKgr — M'Clintock Lakes Granite
- mKfT — Mt. Byng felsite
- uTA — Limy Siltstone, sandstone, hornfels
- mTJM — Mt. Joe Volcanics
- mTJMb — Mt. Joe pyroxene gabbro
- 1 — Rhyolite
- 2 — Vent Breccia
- 3 — Anorthosite
- 4 — Pyroxenite

SYMBOLS

- Faults by Hart & Hunt
- Faults by Carlyle
- Geological Boundary

29°

uTA

mTJM

mTJMb

MAIN ZONE

mKfT

"R" ZONE

MOUNT BYNG

7300

20m Waterfall

10m dyke Qtz-feldspar tourmaline(?)

CREEK SHOWING

mKgT

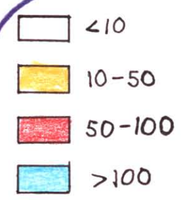
#1

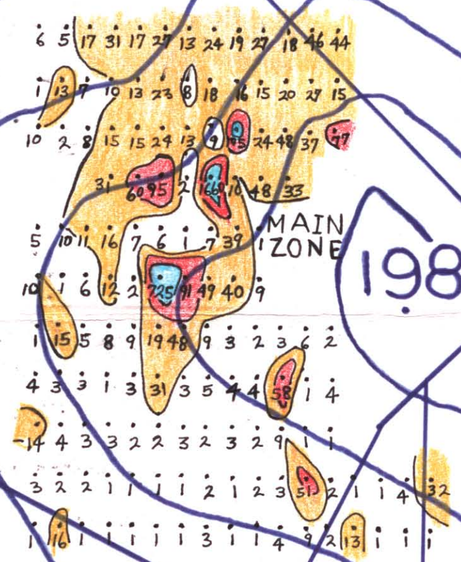
mTJMb
mTJM
R-17 ZONE
R-7 ZONE
MAIN ZONE
mKfT
1600
3800
F
C
#2

093566

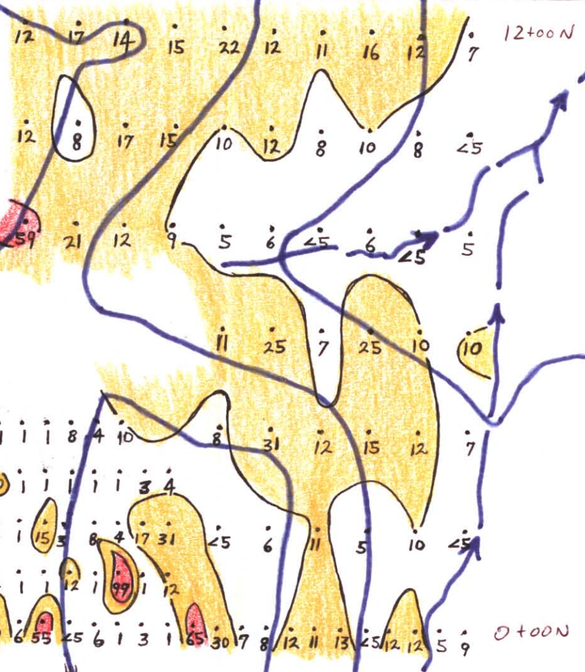
BM & BC CLAIMS
GRID SOIL SAMPLING
Au Analyses (ppb)

SCALE 1:10,000

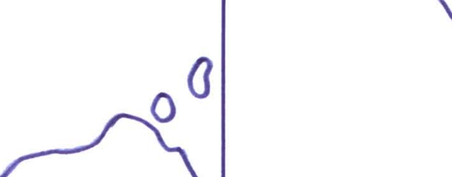




MAIN ZONE



"R" ZONE



1980

1600

1500

1500

1500

1500

MOUNT BYNG 2089

1800

0