

85-1083-14610

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 94F 7E & 2E

ASSESSMENT REPORT

GEOCHEMICAL REPORT

ON THE GNOME GROUP

AKIE RIVER AREA

OMINECA MINING DIVISION

BRITISH COLUMBIA

FILMED

LATITUDE: 57°14'N; LONGITUDE: 124°33'W

PERIOD OF FIELD WORK - JULY 15 TO JULY 28, 1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,610

D. RHODES

JANUARY 1986

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LIST OF CLAIMS - GNOME GROUP

<u>CLAIM NO.</u>	<u>RECORD NO.</u>	<u>NO. OF UNITS</u>	<u>RECORDING DATE</u>
Gnome 1	2238	9	October 30, 1979
Gnome 2	2239	6	October 30, 1979
Gnome 3	2240	16	October 30, 1979
Gnome 4	2241	9	October 30, 1979
Gnome 5	2242	20	October 30, 1979
Gnome 6	2243	20	October 30, 1979
Gnome 7	2244	6	October 30, 1979
Gnome 8	2245	9	October 30, 1979
Gnome 9	2246	20	October 30, 1979
Gnome 10	2247	9	October 30, 1979
Gnome 11	2248	4	October 30, 1979
Gnome 12	2249	20	October 30, 1979

EXPLORATION
NTS: 94 7E & 2E

COMINCO LTD.

WESTERN DISTRICT
21 January 1986

ASSESSMENT REPORT

GEOCHEMICAL REPORT

ON THE GNOME GROUP

AKIE RIVER AREA

OMINECA MINING DIVISION

I. INTRODUCTION

The Gnome Group, totalling 148 units was staked to cover several lead-zinc-barium anomalies on tributaries of the Akie River and several gossans originating from the Upper Devonian "Gunsteel Formation". The area is underlain by a thick succession of Devonian Earn Group "Black Clastics", which host the potentially economic lead-zinc deposits on the Cirque and Driftpile Creek properties. In 1980 and 1981 linecutting and reconnaissance and detailed soil and silt geochemical programs and geological mapping programs were undertaken on the property.

In 1985, during the period July 15 to July 28, two lines of contour soil geochemical samples were taken along the southwest side of the claim group. Rock sampling was also undertaken on eight ridge and creek bottom traverses. Subsequently the 154 soil samples were analysed for Pb,Zn,Ba while the 334 rock samples were analyzed for whole rock composition and Pb,Zn,Ba,Hg content. This report documents this program which cost \$28,432.

II. LOCATION AND ACCESS

The Gnome claim group is located south of the Akie River and 28 km west of Sikanni Chief Lake on the Fort Ware map sheet, NTS: 94F. The center of the claim group is located at latitude 57°14'N and longitude 124°33'W.

The property work was conducted out of a fly camp which was mobilized and supplied by (i) wheel equipped aircraft flying into Ingenika strip from Mackenzie 190 km to the south, (ii) a Hughes 500D helicopter operating out of the Sturdee strip flying the 40 km from Ingenika to the property.

III. GEOLOGY

Regional Geology

A northwest trending belt of Paleozoic basinal stratigraphy has been outlined by regional mapping programs conducted by the Geological Survey of Canada. This belt, located within the Rocky Mountain thrust and fold belt, is centred approximately 40 km east of the Rocky Mountain Trench. The Paleozoic shales are continuous from the Ospika River, northwesterly through Kwadacha Wilderness Park, Gataga Lakes and Driftpile Creek to Watson Lake a distance of 400 km. This belt is informally called the Kechika Trough which may represent a southeasterly extension of the Selwyn Basin.

TABLE 1
TABLE OF GEOLOGICAL FORMATIONS

<u>AGE</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
DEVONIAN	D _{sa}	<u>EARN GROUP</u> Resistant, blue-grey to pale green blocky weathering, thin to medium-bedded, thinly laminated ammonite bearing, siliceous, black mudstone interbedded with thin-bedded, siliceous, black shale.
	D _{ba3}	Resistant, rusty brown-weathering, thin-bedded, siliceous, black mudstone; contains blebby to laminated barite and minor pyrite.
	D _{no}	Cliff forming, blue-grey to buff brown-weathering, thin to medium-bedded, coarsely laminated, siliceous, black mudstone and shale.
	D _{ba2}	Resistant, grey-weathering, medium to thick-bedded, cherty, black mudstone; contains laminated blebby barite and minor disseminated pyrite.
	D _{py}	Resistant, grey to rusty brown-weathering, medium to thick bedded, siliceous, black mudstone; contains disseminated to blebby pyrite and minor blebby barite.
	D _{gt}	Resistant, grey, weathering, thin to medium-bedded grey siltstone interbedded with a grey to orange-weathering, medium-bedded grit.
	D _{sh}	Recessive, rusty brown to blue-black platy weathering, siliceous, black shale.
	D _{ch}	Resistant, blue-grey to pale green-weathering, thin to medium-bedded, cherty, black mudstone.
	D _{ba1}	Moderately resistant, rusty brown-weathering, thin-bedded, laminated, blebby barite.
	D _{ss}	Cliff forming, rusty brown to brownish orange-weathering, thin to medium-bedded, siliceous, black shale; occasionally talcy; contains grey to buff brown wispy laminations and minor beds of orange-weathering siltstone up to 1 m thick.

TABLE OF GEOLOGICAL FORMATIONS CONTINUED

<u>AGE</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
	UNCONFORMITY	
	D _{1s}	Moderately resistant, grey blocky weathering, medium-bedded, greyish-black limestone; contains crinoid rich debris flow.
	UNCONFORMITY	<u>SILURIAN SILTSTONE UNIT</u>
SILURIAN	S _{1s}	Cliff forming, buff brown to orange platy to blocky weathering, thin to thick-bedded, dolomitic, grey siltstone.
	UNCONFORMITY	<u>ROAD RIVER FORMATION</u>
	S _{1s}	Moderately resistant, grey to tan-weathering, medium to thick-bedded, fine-grained black limestone.
ORDOVICIAN	O _{sh}	Moderately resistant, blue-grey platy weathering, thin-bedded, graptolitic, black shale; contains Dicranograptus and Orthograptus (UO _{sh}) and recessive, black to rusty platy weathering, thin-bedded, graphitic black shale.
	UNCONFORMITY	
	O _v	Resistant, orange to pale green-weathering, grey to pale green tuff, variably calcareous.
CAMBRIAN- ORDOVICIAN		<u>KECHIKA FORMATION</u>
	CO _k	Resistant, grey-brown-weathering, thin to medium bedded, grey calcareous to limy nodular shale.

Property Geology

Detailed geological mapping and section measuring has outlined a series of northwest trending anticlinal and synclinal Devonian "black clastic" belts of the Earn Group separated by normal faults and west-dipping thrust faults. The Earn Group has been subdivided into five lithological units and three baritic horizons potentially favourable for lead-zinc deposition. Older Paleozoic strata on the claim group includes the Kechika Formation, Road River Formation and Silurian Siltstone Unit. Table 1 lists and briefly describes the stratigraphy and rock types.

Major northeast southwest compressional forces have resulted in intensive folding and faulting on the Gnome Claim Group. The major synclinal and anticlinal folds are separated by west-dipping thrust faults and normal faults. Generally, the style of the folding is isoclinal with fold axes plunging gently to the northwest and fold axial planes striking northwest. Axial planes of folds along the northeast margin of the Gnome Claim Group are overturned to the southwest while axial planes of folds along the southwest margin of the property have axial planes overturned to the northeast.

IV. GEOCHEMISTRY

A. Soil Geochemistry

One hundred and fifty-three soil samples were collected on the Gnome property. The samples were taken at the 1250 and 1300 metres (and to a lesser extent 1400 metre) elevations on contour traverses run along the mountain slopes on the southwest side of the claims. These contour lines were sampled to examine possibilities for mineralization upslope that had not been covered by previous surveys.

Soil samples were collected from the "B" horizon, placed in kraft sample bags and shipped to the Cominco Laboratory at 1486 E. Pender Street, Vancouver. Soil samples are dried, sieved to -80 mesh, digested in aqua regia and analysed by atomic absorption for lead, zinc. Samples analysed for barium were quantitatively determined by x-ray fluorescence. All sample pulps from the Gnome Group are stored at the Cominco Laboratory in Vancouver.

Results of the sampling may be noted on the accompanying 1:5000 scale maps, Plates 85-3,4 and 5 for lead, zinc and barium respectively.

Appendix D presents the raw data and statistics on the data. Previous work (Pride 1980) had indicated the following anomalous thresholds.

Sample Type	<u>POSSIBLY ANOMALOUS</u>			<u>ANOMALOUS</u>		
	Pb	Zn	Ba	Pb	Zn	Ba
SOIL	40	1000	3000	50	1500	5000
SILT	40	1000	3000	50	1500	5000
ROCK	60	1000	3500	100	2000	3000

In the context of this larger soil population none of the 1985 soil samples are anomalous in lead or zinc while many fall in the possibly anomalous to anomalous range in barium. High barium (+1%) and relatively high zinc values (200-500 ppm) occur on the most southeasterly contour samples (boundary of Gnome 11 and Gnome 12 claims).

B. Rock Geochemistry

Three hundred and twenty-eight rock samples were collected along eight traverses that followed areas of moderate to good outcrop and felsenmeer exposure on ridge tops and in creek bottoms. Sample sites were spaced 40 metres apart along the traverses with two hand-size specimens being taken 5 metres apart at each sample site. (Plate 85-6,7).

All of the samples were analysed for lead, zinc, barium, mercury and major elements. The lead and zinc analyses were made by decomposition with aqua regia and subsequent analysis in dilute nitric acid by atomic absorption. Barium was quantitatively determined by XRF. Mercury was determined by dissolution in nitric acid and reduction in stannous chloride. The mercury was washed with an air stream into a silica absorption cell and analysed with cold vapour atomic absorption. The major elements were determined by lithium borate fusion and XRF.

Appendix D presents the field data and statistics on the rock geochemistry based on the total population collected. From this data one can pick anomalous thresholds for the elements as follows:

Ba - 5000 ppm, Zn - 300 ppm, Pb - 25 ppm, Hg - 200 ppm.

These numbers are different from those listed by Pride (1980) however since they are a much larger population they are believed to be more representative.

The results of the rock geochemistry are plotted in profile on Plates 85-8,9,10, 11 and 12 while Plates 85-6 and 7 indicate the sample locations.

The whole rock compositions identify the different rock units by their relatively distinct compositions ie. high SiO₂ contents and very low CaO, MgO contents characterizing Earn Group rocks; high MgO and lesser CaO characterizing the dolomitic Silurian Siltstones; high CaO with some clays (SiO₂, Al₂O₃) typifying Kechika Group; very high CaO characterizing Devonian limestones and variable SiO₂/CaO ratios with the Ordovician mudstones.

V. CONCLUSIONS

The soil geochemistry results do not provide any anomalous values indicative of a base metal source at or above the contour lines, although the high barium values are indicative of quite barium-rich strata that could be Earn Group, Silurian Siltstone Unit or Ordovician shales.

The rock geochemistry results indicate a generally elevated (+2000 ppm) Ba for Earn Group rocks, with areas known to contain spotty to blebby barite from prior mapping ranging from 3000 to 15000+ ppm Ba. Somewhat elevated Pb,Zn and Hg values occur in Earn Group rock on traverses 2,3 and 4 close to the main creek. In the case of traverse 2 these elevated values may explain Pb,Zn,Ba soil

anomalies defined in 1981 in the same general area. Moderately high but only weakly anomalous Pb,Zn,Hg values occur with known baritic horizons on traverses 5,6 and 8. In no instance are the Earn Group base metal contents sufficiently high to clearly indicate proximity to significant base metal concentrations.

Of interest is the fact that the Silurian Siltstone Unit, the Ordovician shales and the Ordovician volcanics return elevated barium values, with in some instances, higher lead/zinc than is encountered in Earn Group strata. The highest zinc value encountered from rocks in the 1985 program was 8770 ppm taken from Silurian Siltstone outcrops at the end of traverse 1. These elevated zinc values may explain zinc soil anomalies defined in this same general area by 1981 soil geochemical surveys. Silurian Siltstone samples on the peak at the beginning of traverse 5 return barium values in the 1-1.5% range with some anomalous lead. High barium with some elevated zinc, lead and mercury values occur in association with Silurian Siltstones and Ordovician shales on traverse 3. These results indicate that anomalous amounts of barium with elevated Pb,Zn,Hg values occur in the Silurian Siltstone and the uppermost Ordovician shales on the Gnome property. The content of base metals is not, however, sufficient to clearly indicate close proximity to major base metal concentrations in either unit.

Reported by: *D. Rhodes*
D. Rhodes,
Senior Geologist

Endorsed for
Release by: *John Hamilton*
J.M. Hamilton
Manager, Exploration -
Western Canada

DR/cgs

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VI. REFERENCES

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APPENDIX A

STATEMENT OF EXPENDITURES

GNOME CLAIM GROUP

JULY 15 TO JULY 28, 1985

D. Rhodes	13 days @ \$281.84	\$3,663.92	
C.N. Repp	13 days @ \$ 87.12	1,132.56	
T.C. McDonald	13 days @ \$ 97.68	<u>1,269.84</u>	\$6,066.32
Equipment and Supplies			3,031.59
Transportation - Fixed Wing		\$ 400.00	
- Helicopter and Fuel		2,928.00	
- Truck		<u>333.00</u>	3,661.00
Geochemistry			
153 soil samples - prep. & analysis for Pb,Zn,Ba @ \$7.65 ea.			1,170.45
328 rock samples - prep. & analysis for Pb,Zn,Ba @ \$10.90			3,575.20
328 rock analyses for Hg @ \$3.50			1,148.00
328 rock analyses for major elements @ \$25.00			14,093.65
Report Preparation and Draughting			<u>1,580.00</u>
		TOTAL	<u>\$28,432.56</u>

APPENDIX B

A F F I D A V I T

I, Dereck Rhodes, of the Municipality of North Vancouver District, in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geologist by Cominco Ltd., and as such have a personal knowledge of the facts to which I hereinafter depose;
2. THAT I annexed hereto and marked as Appendix A to this my affidavit is a true copy of expenditures incurred in connection with a geochemical program carried out on the DEL mineral claims:
3. THAT said expenditures were incurred between the fifteenth day of July and the twenty-eighth day of July, 1985 for the purpose of mineral exploration on the above noted claims.

Signed: *Dereck Rhodes*

Dereck Rhodes

Senior Geologist

APPENDIX C

STATEMENT OF QUALIFICATIONS

I, Dereck Rhodes, of the Municipality of North Vancouver District, in the Province of British Columbia, hereby certify:

1. THAT I am a geologist residing at 2514 Bronte Road, North Vancouver, British Columbia, with a business address at 700-409 Granville Street, Vancouver, British Columbia.
2. THAT I graduated with a B.Sc., in geology from McMaster University in 1969.
3. THAT I have practiced geology with Cominco Ltd. from June 1969 to the present.

Signed: *Dereck Rhodes*

Dereck Rhodes

Senior Geologist

APPENDIX D

SOIL GEOCHEMICAL DATA AND STATISTICS

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	COLOUR	SIZE	ORG	DEPTH		WIDTH		FLOW		PPT	PH	Pb PPM	Zn PPM	Ba PPM
											NET	CM	SLOPE	HORIZ							
S8504948	3234		1250M	-2200	3	SOIL RESID		MED-BROWN	SILT	MED	M'ST	20	MED	B					14	96	7715
S8504949	3235		1250M	-2250	3	SOIL RESID		MED-BROWN	GRAVLY-SILT	MED	M'ST	10	LOW	B					12	70	4860
S8504950	3236		1250M	-2300	3	SOIL RESID		MED-BROWN	GRAVLY-SILT	MED	M'ST	15	MED	B					14	102	3729
S8504951	3237		1250M	-2350	3	SOIL RESID		MED-BROWN	GRAVLY-SILT	MED	M'ST	15	MED	B					13	55	8405
S8504952	3238		1250M	-2400	3	SOIL RESID		MED-BROWN	GRAVLY-SAND	LOW	M'ST	15	MED	B					13	87	7954
S8504953	3239		1250M	-2450	3	SOIL RESID		MED-GREY	GRAVLY-CLAY	LOW	M'ST	15	MED	B					4	14	4759
S8504954	3240		1250M	-2500	3	SOIL RESID		BRN-GREY	GRAVLY-SILT	LOW	M'ST	15	MED	B					7	30	6559
S8504955	3241		1250M	-2550	3	SOIL RESID		BRN-GREY	GRAVLY-SILT	LOW	M'ST	20	MED	B					8	65	3400
S8504956	3242		1250M	-2600	3	SOIL RESID		LT-BROWN	GRAVLY-SILT	LOW	M'ST	15	MED	B					11	56	6258
S8504957	3243		1250M	-2650	3	SOIL RESID		MED-GREY	GRAVLY-CLAY	LOW	M'ST	10	MED	B					5	15	3757
S8504958	3244		1250M	-2700	3	SOIL RESID		BRN-GREY	GRAVLY-CLAY	MED	M'ST	15	MED	B					7	23	4652
S8504959	3245		1250M	-2750	3	SOIL RESID		BRN-GREY	GRAVLY-SILT	MED	M'ST	10	LOW	B					9	50	3596
S8504960	3246		1250M	-2800	3	SOIL RESID		LT-BROWN	SILTY-CLAY	MED	M'ST	10	MED	B					13	61	2081
S8504961	3247		1250M	-2850	3	SOIL RESID		BRN-GREY	GRAVLY-SILT	LOW	M'ST	10	LOW	B					14	113	3033
S8504962	3248		1250M	-2900	3	SOIL RESID		LT-BROWN	SILT	MED	M'ST	20	LOW	B					8	47	2396
S8504963	3249		1250M	-2950	3	SOIL RESID		MED-BROWN	GRAVLY-SILT	MED	M'ST	25	LOW	B					17	51	2184
S8504964	3250		1250M	-3000	3	SOIL RESID		MED-BROWN	SILTY-CLAY	MED	M'ST	25	LOW	B					10	62	1584
S8504965	3251		1250M	-3050	3	SOIL RESID		BRN-GREY	GRAVLY-SAND	MED	M'ST	15	LOW	B					9	96	1764
S8504966	3351		1300M	+0	2	SOIL RESID		BRN-GREY	GRAVLY-SAND	LOW	M'ST	05	MED	B					13	73	1513
S8504967	3352		1300M	-50	2	SOIL RESID		MED-BROWN	GRAVLY-SAND	MED	M'ST	20	STEEP	B					10	58	3249
S8504968	3353		1300M	-100	2	SOIL RESID		MED-GREY	GRAVLY-SAND	MED	M'ST	15	MED	B					10	105	E13058
S8504969	3354		1300M	-150	2	SOIL RESID		BRN-GREY	GRAVLY-SILT	MED	M'ST	25	MED	B					13	53	3284
S8504970	3355		1300M	-200	2	SOIL RESID		BRN-GREY	SANDY-SILT	MED	M'ST	15	LOW	B					9	27	5256
S8504971	3356		1300M	-250	2	SOIL RESID		LT-GREY	GRAVLY-SILT	MED	M'ST	15	LOW	B					7	24	4568
S8504972	3357		1300M	-300	2	SOIL RESID		LT-GREY	GRAVLY-SILT	MED	M'ST	20	LOW	B					4	25	6115
S8504973	3358		1300M	-350	2	SOIL RESID		LT-GREY	GRAVLY-CLAY	LOW	M'ST	15	LOW	B					4	10	5086
S8504974	3359		1300M	-400	2	SOIL RESID		LT-GREY	GRAVLY-SILT	MED	M'ST	10	MED	B					6	37	8672
S8504975	3360		1300M	-450	2	SOIL RESID		LT-GREY	GRAVLY-SILT	MED	M'ST	20	LOW	B					4	17	3819
S8504976	3361		1300M	-500	2	SOIL RESID		MED-GREY	GRAVLY-SAND	MED	NET	20	MED	B					10	86	5463
S8504977	3362		1300M	-550	2	SOIL RESID		LT-GREY	GRAVLY-SILT	MED	M'ST	20	MED	B					12	58	8129
S8504978	3363		1300M	-600	2	SOIL RESID		MED-GREY	SANDY-SILT	MED	M'ST	25	MED	B					14	116	3361
S8504979	3364		1300M	-650	2	SOIL RESID		MED-GREY	GRAVLY-SILT	HIGH	NET	25	MED	B					13	94	2327
S8504980	3365		1300M	-700	2	SOIL RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	15	MED	B					14	133	2452
S8504981	3366		1300M	-750	2	SOIL RESID		DN-GREY	SILT	HIGH	NET	25	MED	B					22	149	2728
S8504982	3367		1300M	-800	2	SOIL RESID		BRN-GREY	GRAVLY-SILT	MED	NET	25	MED	B					18	145	2249
S8504983	3368		1300M	-850	2	SOIL RESID		MED-BROWN	SANDY-SILT	MED	M'ST	20	MED	B					23	152	2620

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	COLOUR	SIZE	ORIG	DEPTH WIDTH FLOW			PPT	PH	Pb PPM	Zn PPM	Ba PPM
											NET CM	SLOPE	HORIZ					
S8504984	3369		1300M	-900	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	MED	NET	25	MED	B	.	15	88	2259	
S8504985	3370		1300M	-950	2	SOIL RESID	BRN-GREY	GRAVLY-SAND	MED	M'ST	20	MED	B	.	15	93	3172	
S8504986	3371		1300M	-1000	2	SOIL RESID	BRN-GREY	GRAVLY-SILT	LOW	M'ST	20	MED	B	.	12	109	2802	
S8504987	3372		1300M	-1050	2	SOIL RESID	MED-BROWN	GRAVLY-SILT	LOW	M'ST	20	MED	B	.	15	184	2820	
S8504988	3373		1300M	-1100	2	SOIL RESID	DK-GREY	SANDY-SILT	HIGH	NET	30	MED	B	.	13	119	3188	
S8504989	3374		1300M	-1150	2	SOIL RESID	MED-GREY	GRAVLY-SAND	MED	M'ST	30	MED	B	.	12	141	3609	
S8504990	3375		1300M	-1200	2	SOIL RESID	DK-GREY	GRAVLY-SAND	MED	NET	25	MED	B	.	7	50	3778	
S8504991	3376		1300M	-1250	2	SOIL RESID	MED-GREY	GRAVLY-SILT	MED	M'ST	10	LOW	B	.	5	34	4775	
S8504992	3377		1300M	-1300	2	SOIL RESID	DK-GREY	SILT	HIGH	M'ST	15	FLAT	B	.	13	141	1817	
S8504993	3378		1300M	-1350	2	SOIL RESID	BRN-GREY	GRAVLY-SAND	MED	M'ST	15	LOW	B	.	15	99	2739	
S8504994	3379		1300M	-1400	2	SOIL RESID	LT-GREY	GRAVLY-SAND	MED	M'ST	25	LOW	B	.	6	37	2373	
S8504995	3380		1300M	-1450	2	SOIL RESID	MED-BROWN	GRAVLY-SILT	LOW	M'ST	15	MED	B	.	11	97	2771	
S8504996	3381		1300M	-1500	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	LOW	M'ST	15	MED	B	.	12	81	2025	
S8504997	3382		1300M	-1550	2	SOIL RESID	DK-BROWN	GRAVLY-SAND	MED	M'ST	25	LOW	B	.	24	71	2130	
S8504998	3383		1300M	-1600	2	SOIL RESID	LT-GREY	GRAVLY-SILT	MED	M'ST	25	LOW	B	.	8	50	2805	
S8504999	3384		1300M	-1650	2	SOIL RESID	LT-GREY	GRAVLY-SILT	LOW	M'ST	20	LOW	B	.	4	8	1696	
S8505000	3385		1300M	-1700	2	SOIL RESID	DK-GREY	GRAVLY-SILT	MED	M'ST	20	LOW	B	.	6	34	2549	
S8505001	3386		1300M	-1750	2	SOIL RESID	MED-BROWN	GRAVLY-SILT	MED	M'ST	15	MED	B	.	9	48	2219	
S8505002	3387		1300M	-1800	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	LOW	M'ST	20	MED	B	.	11	67	2728	
S8505003	3388		1300M	-1850	2	SOIL RESID	LT-GREY	GRAVLY-SILT	LOW	M'ST	30	MED	B	.	4	24	2583	
S8505004	3389		1300M	-1900	2	SOIL RESID	MED-BROWN	GRAVLY-SILT	LOW	M'ST	20	MED	B	.	7	44	2853	
S8505005	3390		1300M	-1950	2	SOIL RESID	MED-RED	GRAVLY-SAND	LOW	M'ST	15	MED	B	.	7	28	E10206	
S8505006	3391		1300M	-2000	2	SOIL RESID	BRN-RED	GRAVLY-SAND	MED	M'ST	15	MED	B	.	7	32	3149	
S8505007	3392		1300M	-2050	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	MED	M'ST	25	MED	B	.	4	30	4359	
S8505008	3393		1300M	-2100	2	SOIL RESID	BRN-GREY	GRAVLY-CLAY	MED	M'ST	25	MED	B	.	4	15	3127	
S8505009	3394		1300M	-2150	2	SOIL RESID	BRN-GREY	GRAVLY-CLAY	MED	M'ST	25	MED	B	.	4	27	3279	
S8505010	3395		1300M	-2200	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	MED	M'ST	20	MED	B	.	11	89	4040	
S8505011	3396		1300M	-2250	2	SOIL RESID	BRN-GREY	GRAVLY-SILT	LOW	M'ST	20	MED	B	.	4	26	4274	
S8505012	3397		1300M	-2300	2	SOIL RESID	BRN-GREY	GRAVLY-CLAY	LOW	M'ST	15	MED	B	.	9	41	3632	
S8505013	3398		1300M	-2350	2	SOIL RESID	BRN-GREY	GRAVLY-SILT	LOW	M'ST	20	MED	B	.	8	32	5119	
S8505014	3399		1300M	-2400	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	MED	M'ST	20	MED	B	.	13	82	5496	
S8505015	3400		1300M	-2450	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	LOW	M'ST	15	MED	B	.	10	97	7310	
S8505016	3401		1300M	-2500	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	LOW	M'ST	25	MED	B	.	16	92	7504	
S8505017	3402		1300M	-2550	2	SOIL RESID	MED-GREY	GRAVLY-SAND	MED	M'ST	25	MED	B	.	15	103	8061	
S8505018	3403		1300M	-2600	2	SOIL RESID	DK-GREY	GRAVLY-SILT	MED	M'ST	25	MED	B	.	6	41	6580	
S8505019	3404		1300M	-2650	2	SOIL RESID	MED-BROWN	GRAVLY-SILT	MED	M'ST	25	MED	B	.	13	105	6808	

EXP LAB	FIELD	MAP ZONE		EAST	NORTH	#	MAT'L	ORIG	SITE	COLOR	SIZE	ORG	DEPTH	WIDTH	FLOW	PPT	PH	Pb	Zn	Ba
NUMBER	NO												NET	CM	SLOPE	HORIZ		PPM	PPM	PPM
S8505020	3405			1300M	-2700	2	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	20	MED	B	.	6	36	7787
S8505021	3406			1300M	-2750	2	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	20	MED	B	.	5	57	7662
S8505022	3407			1300M	-2800	2	SOIL	RESID		BWN-GREY	GRAVLY-SAND	MED	M'ST	20	MED	B	.	9	62	7735
S8505023	3408			1300M	-2850	2	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	25	MED	B	.	4	17	5991
S8505024	3409			1300M	-2900	2	SOIL	RESID		BWN-GREY	GRAVLY-SAND	LOW	M'ST	30	MED	B	.	9	86	5141
S8505025	3410			1300M	-2950	2	SOIL	RESID		MED-BROWN	GRAVLY-SAND	MED	M'ST	15	MED	B	.	6	58	5865
S8505026	3411			1300M	-3000	2	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	15	MED	B	.	4	38	6162
S8505027	3412			1400M	+0	3	SOIL	RESID		MED-BROWN	GRAVLY-SAND	LOW	M'ST	10	MED	B	.	8	170	1667
S8505028	3413			1400M	-50	3	SOIL	RESID		MED-GREY	GRAVLY-SAND	LOW	M'ST	10	MED	B	.	10	135	1862
S8505029	3414			1400M	-100	3	SOIL	RESID		MED-GREY	GRAVLY-SAND	MED	M'ST	20	MED	B	.	6	53	1760
S8505030	3415			1400M	-150	3	SOIL	RESID		MED-GREY	GRAVLY-SAND	MED	M'ST	20	MED	B	.	6	39	1789
S8505031	3416			1400M	-200	3	SOIL	RESID		MED-GREY	GRAVLY-SAND	MED	M'ST	15	MED	B	.	17	305	2352
S8505032	3417			1400M	-250	3	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	WET	25	MED	B	.	11	100	2351
S8505033	3418			1400M	-300	3	SOIL	RESID		MED-BROWN	GRAVLY-SAND	MED	M'ST	20	MED	B	.	10	81	2444
S8505034	3419			1400M	-350	3	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	25	MED	B	.	6	42	4429
S8505035	3420			1400M	-400	3	SOIL	RESID		DK-GREY	GRAVLY-SILT	MED	M'ST	10	MED	B	.	14	76	6655
S8505036	3421			1400M	-450	3	SOIL	RESID		DK-GREY	GRAVLY-SILT	MED	M'ST	20	MED	B	.	7	58	3464
S8505037	3422			1400M	-500	3	SOIL	RESID		LT-GREY	GRAVLY-SILT	LOW	M'ST	15	LOW	B	.	5	32	2266
S8505038	3423			1400M	-550	3	SOIL	RESID		DK-GREY	GRAVLY-SILT	MED	M'ST	20	LOW	B	.	6	37	2183
S8505039	3424			1400M	-600	3	SOIL	RESID		MED-BROWN	GRAVLY-SAND	MED	WET	20	LOW	B	.	17	570	2617
S8505040	3425			1400M	-650	3	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	WET	15	LOW	B	.	12	131	2979
S8505041	3426			1400M	-700	3	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	WET	20	LOW	B	.	12	147	4107
S8505042	3427			1400M	-750	3	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	15	LOW	B	.	4	19	2090
S8505043	3428			1400M	-800	3	SOIL	RESID		MED-BROWN	GRAVLY-SAND	MED	M'ST	15	LOW	B	.	15	230	2912
S8505044	3429			1400M	-850	3	SOIL	RESID		DK-GREY	GRAVLY-SILT	MED	WET	15	MED	B	.	9	164	2667
S8505045	3430			1400M	-900	3	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	WET	15	MED	B	.	9	173	3495
S8505046	3431			1400M	-950	3	SOIL	RESID		DK-BROWN	SILT	HIGH	M'ST	15	LOW	B	.	18	431	3798
S8505047	3432			1400M	-1000	2	SOIL	RESID		DK-BROWN	GRAVLY-SAND	MED	M'ST	15	MED	B	.	13	189	3090
S8505048	3433			1400M	-1050	2	SOIL	RESID		DK-GREY	SANDY-SILT	HIGH	M'ST	20	MED	B	.	17	96	2830
S8505049	3434			1400M	-1100	2	SOIL	RESID		MED-GREY	SILTY-CLAY	MED	M'ST	15	MED	B	.	11	29	1513
S8505050	3435			1400M	-1150	2	SOIL	RESID		MED-GREY	SILTY-CLAY	MED	M'ST	20	MED	B	.	15	183	1962
S8505051	3436			1400M	-1200	2	SOIL	RESID		MED-GREY	GRAVLY-SILT	MED	M'ST	20	STEEP	B	.	7	101	1821
S8505052	3437			1400M	-1250	2	SOIL	RESID		MED-GREY	GRAVLY-SILT	LOW	M'ST	20	STEEP	B	.	8	99	1810
S8505053	3438			1400M	-1300	2	SOIL	RESID		DK-GREY	SANDY-SILT	MED	M'ST	15	STEEP	B	.	11	148	1820
S8505054	3439			1400M	-1350	2	SOIL	RESID		DK-GREY	SILTY-CLAY	MED	M'ST	15	STEEP	B	.	12	181	2169
S8505055	3440			1400M	-1400	2	SOIL	RESID		DK-GREY	GRAVLY-SILT	MED	M'ST	25	STEEP	B	.	7	176	2183

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	# MAT'L	ORIG. SITE	COLOR	SIZE	ORG	DEPTH MET	WIDTH CM	FLOW SLOPE	HORIZ	PPT	PH	Pb PPM	Zn PPM	Ba PPM
88505056	3441		1400M	-1450	2	SOIL RESID	BRN-GREY	SANDY-SILT	MED	WET	15	STEEP	B	.	.	11	122	3501
88505057	3442		1400M	-1500	2	SOIL RESID	MED-GREY	SANDY-SILT	MED	M'ST	30	STEEP	B	.	.	14	118	2982
88505058	3443		1400M	-1550	2	SOIL RESID	DK-GREY	SANDY-SILT	LOW	M'ST	20	STEEP	B	.	.	10	88	3373
88505059	3444		1400M	-1600	2	SOIL RESID	MED-GREY	GRAVLY-SILT	MED	M'ST	10	STEEP	B	.	.	12	152	3716
88505060	3445		1400M	-1650	2	SOIL RESID	DK-GREY	SANDY-SILT	HIGH	M'ST	20	STEEP	B	.	.	10	228	3719
88505061	3446		1400M	-1700	2	SOIL RESID	BRN-GREY	GRAVLY-SILT	MED	M'ST	30	STEEP	B	.	.	12	274	3509
88505062	3447		1400M	-1750	2	SOIL RESID	BRN-GREY	GRAVLY-SILT	MED	M'ST	20	STEEP	B	.	.	13	134	3488
88505063	3448		1400M	-1800	2	SOIL RESID	MED-GREY	SANDY-SILT	LOW	M'ST	15	STEEP	B	.	.	9	96	3592
88505064	3449		1400M	-1850	2	SOIL RESID	MED-BROWN	GRAVLY-SAND	LOW	M'ST	10	MED	B	.	.	17	241	6078
88505065	3450		1400M	-1900	2	SOIL RESID	BRN-GREY	SILTY-CLAY	MED	M'ST	20	MED	B	.	.	14	61	4721
88505066	3451		1400M	-1950	2	SOIL RESID	MED-GREY	GRAVLY-SILT	MED	M'ST	20	MED	B	.	.	15	98	E19960
88505067	3452		1400M	-2000	2	SOIL RESID	MED-BROWN	GRAVLY-SILT	MED	M'ST	25	MED	B	.	.	15	81	E13043
88505068	3453		1400M	-2050	2	SOIL RESID	BRN-GREY	GRAVLY-SILT	LOW	DRY	15	STEEP	B	.	.	14	500	4719

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Pb 20% HNO3 DECOMPOSITION / AAS

Zn 20% HNO3 DECOMPOSITION / AAS

Ba X-RAY FLUORESCENCE / LOOSE POWDER

GCHGNOME

STATISTICS FOR ELEMENT # 1 : PB

NUMBER OF SAMPLES = 154
NUMBER OF MISSING VALUES(0)= 0
NUMBER OF MISSING VALUES(999) = 0
MINIMUM = 4.00
MAXIMUM = 50.00
RANGE = 46.00
MEAN = 11.01
MEDIAN = 11.00
VARIANCE = 31.13
STANDARD DEVIATION = 5.58
STANDARD ERROR = 0.45
COEFFICIENT OF VARIATION = 0.51
KURTOSIS = 14.82
SKEWNESS = 2.603

STATISTICS FOR LOG 10 TRANSFORMED DATA

MEAN = 9.88
VARIANCE = 1.10
STANDARD DEVIATION = 1.60

STATISTICS FOR ELEMENT # 3 : BA

NUMBER OF SAMPLES = 154
NUMBER OF MISSING VALUES(0)= 0
NUMBER OF MISSING VALUES(999) = 0
MINIMUM = 916.00
MAXIMUM = 19960.00
RANGE = 19044.00
MEAN = 4043.21
MEDIAN = 3281.00
VARIANCE = 6222558.00
STANDARD DEVIATION = 2494.51
STANDARD ERROR = 201.01
COEFFICIENT OF VARIATION = 0.62
KURTOSIS = 11.22
SKEWNESS = 2.659

STATISTICS FOR LOG 10 TRANSFORMED DATA

MEAN = 3534.51
VARIANCE = 1.11
STANDARD DEVIATION = 1.64

STATISTICS FOR ELEMENT # 2 : ZN

NUMBER OF SAMPLES = 154
NUMBER OF MISSING VALUES(0)= 0
NUMBER OF MISSING VALUES(999) = 0
MINIMUM = 8.00
MAXIMUM = 570.00
RANGE = 562.00
MEAN = 92.95
MEDIAN = 81.00
VARIANCE = 6394.90
STANDARD DEVIATION = 79.97
STANDARD ERROR = 6.44
COEFFICIENT OF VARIATION = 0.86
KURTOSIS = 12.79
SKEWNESS = 2.964

STATISTICS FOR LOG 10 TRANSFORMED DATA

MEAN = 70.14
VARIANCE = 1.29
STANDARD DEVIATION = 2.16

GCHGNOME
 NUMBER OF VALUES IS 153 VARIABLE NAME IS: PB
 CALCULATED PARAMETERS: MEAN= 10.9869 STD.DEV.= 5.5925 VARIANCE= 31.2762 NO.VALUES USED= 153

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-3.6934	0	0.0		*****
2	-2.2953	0	0.0		*****
3	-0.8972	0	0.0		*****
4	0.5010	0	0.0		-0.3002
5	1.8991	0	0.0		0.2785
6	3.2972	0	0.0		0.5181
7	4.6953	13	8.5	*****	0.6717
8	6.0935	17	11.1	*****	0.7849
9	7.4916	14	9.2	*****	0.8746
10	8.8897	8	5.2	*****	0.9489
11	10.2878	22	14.4	*****	1.0123
12	11.6860	14	9.2	*****	1.0677
13	13.0841	27	17.6	*****	1.1167
14	14.4822	10	6.5	*****	1.1608
15	15.8803	10	6.5	*****	1.2009
16	17.2785	8	5.2	*****	1.2375
17	18.6766	3	2.0	**	1.2713
18	20.0747	1	0.7	*	1.3026
19	21.4729	0	0.0		1.3319
20	22.8710	2	1.3	*	1.3593
21	24.2691	2	1.3	*	1.3851

LOG VALUES.....: MEAN= 0.9938 STD.DEV.= 0.2037 VARIANCE= 0.0415 NO. VALUES= 153

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	0.4591	0	0.0		2.8780
2	0.5100	0	0.0		3.2361
3	0.5609	0	0.0		3.6386
4	0.6119	13	8.5	*****	4.0912
5	0.6628	0	0.0		4.6002
6	0.7137	6	3.9	****	5.1724
7	0.7646	0	0.0		5.8159
8	0.8155	11	7.2	*****	6.5393
9	0.8665	14	9.2	*****	7.3528
10	0.9174	8	5.2	*****	8.2675
11	0.9683	11	7.2	*****	9.2959
12	1.0192	11	7.2	*****	10.4523
13	1.0701	14	9.2	*****	11.7526
14	1.1211	27	17.6	*****	13.2146
15	1.1720	10	6.5	*****	14.8585
16	1.2229	12	7.8	*****	16.7069
17	1.2738	9	5.9	*****	18.7852
18	1.3247	1	0.7	*	21.1221
19	1.3757	3	2.0	**	23.7496
20	1.4266	1	0.7	*	26.7040
21	1.4775	0	0.0		30.0260

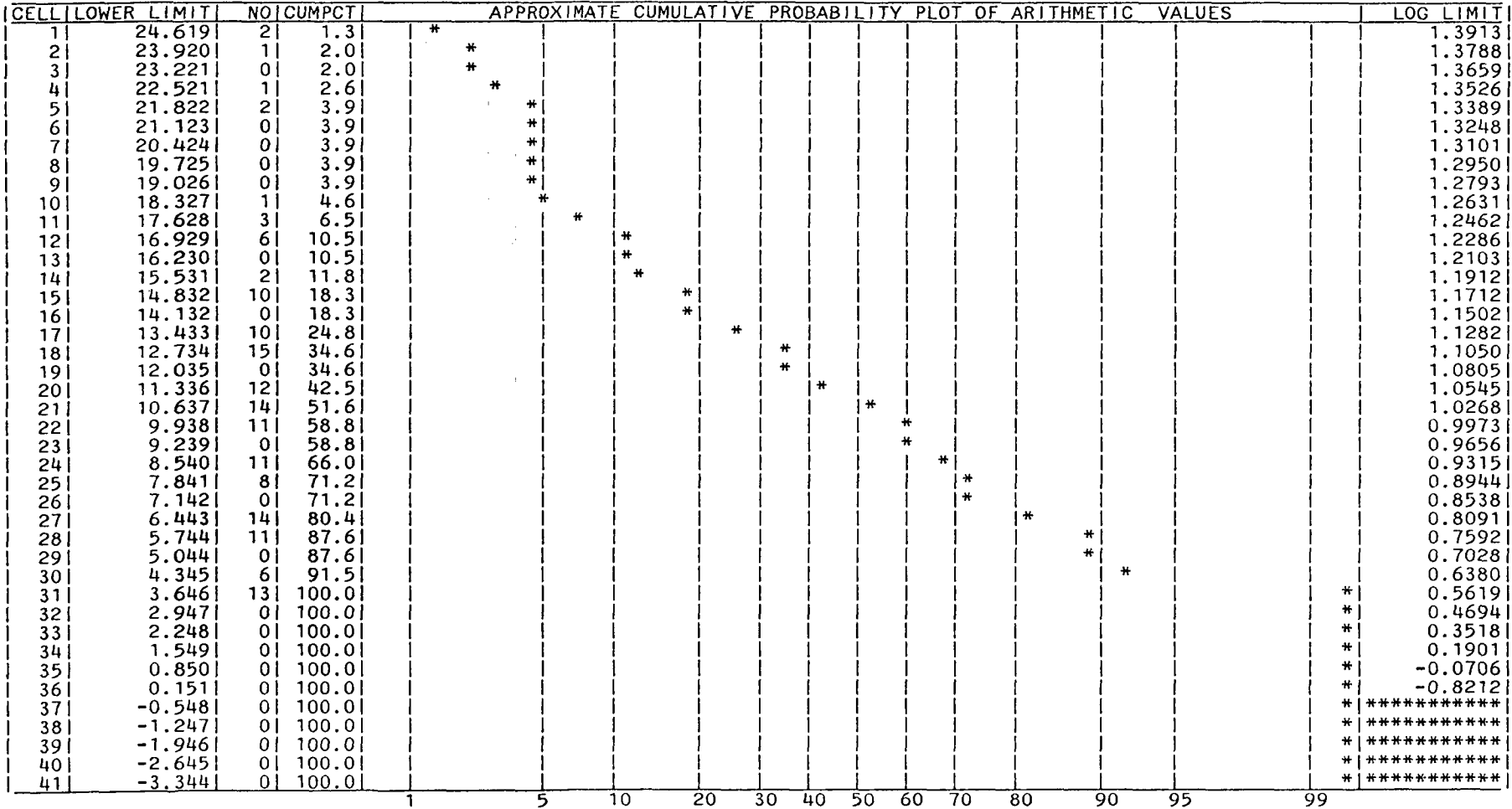
GCHGNOME

VARIABLE NAME IS: PB

CELL	LOWER LIMIT	NO	CUM PCT	APPROXIMATE CUMULATIVE PROBABILITY PLOT OF LOGARITHMIC VALUES										ARITH. LIMIT			
1	1.490	2	1.3	*													30.9191
2	1.465	0	1.3	**													29.1586
3	1.439	0	1.3	**													27.4984
4	1.414	0	1.3	**													25.9326
5	1.388	0	1.3	*													24.4560
6	1.363	1	2.0		*												23.0635
7	1.337	3	3.9			*											21.7503
8	1.312	0	3.9			*											20.5119
9	1.287	0	3.9			*											19.3440
10	1.261	1	4.6			*											18.2425
11	1.236	3	6.5				*										17.2038
12	1.210	6	10.5				*										16.2242
13	1.185	2	11.8				*										15.3005
14	1.159	10	18.3				*										14.4293
15	1.134	10	24.8				*										13.6077
16	1.108	15	34.6				*										12.8329
17	1.083	0	34.6				*										12.1022
18	1.057	12	42.5				*										11.4131
19	1.032	14	51.6				*										10.7632
20	1.006	0	51.6				*										10.1504
21	0.981	11	58.8				*										9.5724
22	0.956	0	58.8				*										9.0274
23	0.930	11	66.0				*										8.5134
24	0.905	0	66.0				*										8.0287
25	0.879	8	71.2				*										7.5715
26	0.854	0	71.2				*										7.1404
27	0.828	14	80.4				*										6.7339
28	0.803	0	80.4				*										6.3504
29	0.777	11	87.6				*							*			5.9889
30	0.752	0	87.6				*							*			5.6479
31	0.726	0	87.6				*							*			5.3263
32	0.701	0	87.6				*							*			5.0230
33	0.676	6	91.5				*						*				4.7370
34	0.650	0	91.5				*						*				4.4673
35	0.625	0	91.5				*						*				4.2129
36	0.599	13	100.0				*						*			*	3.9731
37	0.574	0	100.0				*						*			*	3.7468
38	0.548	0	100.0				*						*			*	3.5335
39	0.523	0	100.0				*						*			*	3.3323
40	0.497	0	100.0				*						*			*	3.1426
41	0.472	0	100.0				*						*			*	2.9636

GCHGNOME

VARIABLE NAME IS: PB



STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
PB	153	10.987	5.593	0.994	0.204

GCHGNOME
 NUMBER OF VALUES IS 153 VARIABLE NAME IS: ZN
 CALCULATED PARAMETERS: MEAN= 92.5229 STD.DEV.= 80.0505 VARIANCE= 6408.0820 NO. VALUES USED= 153

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-117.6099	0	0.0		*****
2	-97.5973	0	0.0		*****
3	-77.5846	0	0.0		*****
4	-57.5720	0	0.0		*****
5	-37.5594	0	0.0		*****
6	-17.5468	0	0.0		*****
7	2.4658	0	0.0		0.3920
8	22.4785	10	6.5	*****	1.3518
9	42.4911	29	19.0	*****	1.6283
10	62.5037	27	17.6	*****	1.7959
11	82.5163	12	7.8	*****	1.9165
12	102.5289	29	19.0	*****	2.0108
13	122.5415	14	9.2	*****	2.0883
14	142.5542	9	5.9	*****	2.1540
15	162.5668	6	3.9	****	2.2110
16	182.5794	5	3.3	***	2.2615
17	202.5920	3	2.0	**	2.3066
18	222.6046	1	0.7	*	2.3475
19	242.6173	3	2.0	**	2.3849
20	262.6299	0	0.0		2.4193
21	282.6426	1	0.7	*	2.4512

LOG VALUES.....: MEAN= 1.8436 STD.DEV.= 0.3341 VARIANCE= 0.1116 NO. VALUES= 153

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	0.9667	0	0.0		9.2617
2	1.0502	2	1.3	*	11.2256
3	1.1337	0	0.0		13.6059
4	1.2172	3	2.0	**	16.4911
5	1.3008	4	2.6	***	19.9879
6	1.3843	5	3.3	***	24.2264
7	1.4678	6	3.9	****	29.3635
8	1.5513	9	5.9	*****	35.5900
9	1.6348	9	5.9	*****	43.1368
10	1.7184	11	7.2	*****	52.2839
11	1.8019	16	10.5	*****	63.3706
12	1.8854	8	5.2	*****	76.8083
13	1.9689	17	11.1	*****	93.0953
14	2.0524	24	15.7	*****	112.8360
15	2.1360	12	7.8	*****	136.7627
16	2.2195	10	6.5	*****	165.7629
17	2.3030	7	4.6	*****	200.9128
18	2.3865	4	2.6	***	243.5159
19	2.4700	1	0.7	*	295.1531
20	2.5536	1	0.7	*	357.7397
21	2.6371	1	0.7	*	433.5979

STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
ZN	153	92.520	80.052	1.844	0.334

HISTOGRAM FOR ELEMENT ZN

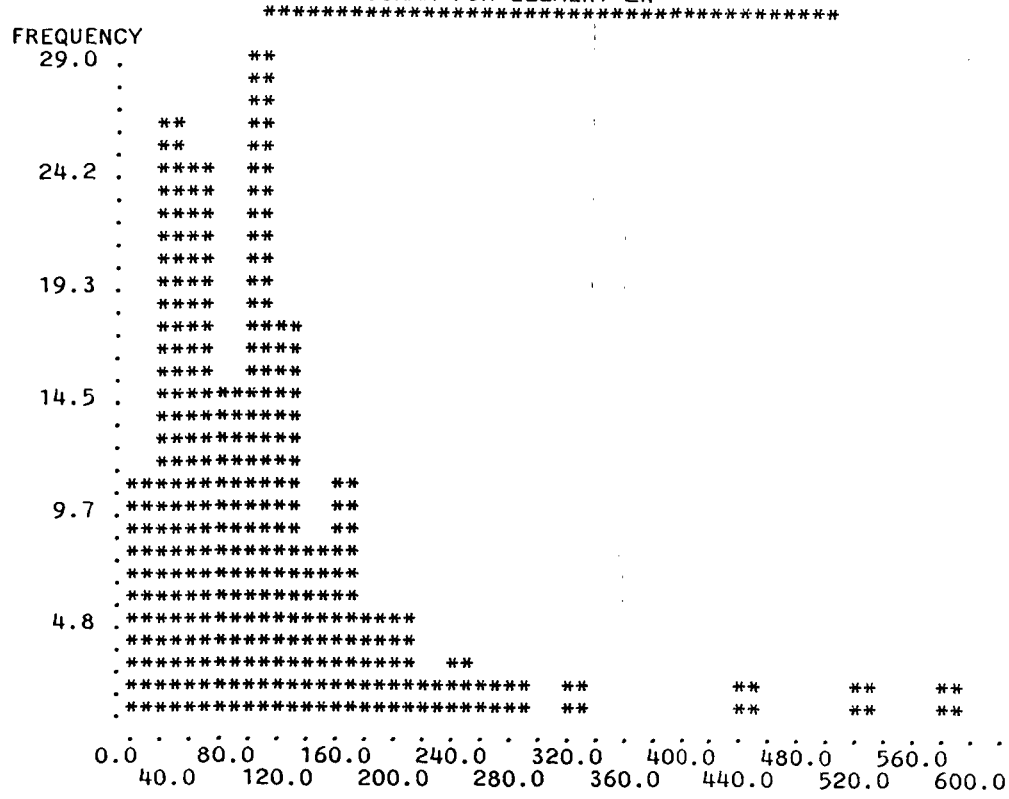


FIGURE : GCHGNOME

TOTAL NUMBER OF SAMPLES PLOTTED = 154 ELEMENT ZN
 NUMBER OF MISSING VALUES = 0
 SAMPLES ABOVE MAXIMUM = 0 PERCENT OF POPULATION = 0.00

MEAN OF SAMPLES = 92.95
 STANDARD DEVIATION = 79.97
 MEDIAN OF SAMPLES = 81.00

PERCENT (TOTAL NUMBER OF DATA) 154 ADJUSTED PERCENT (DATA USED IN HISTOGRAM) 154

CLASS	INTERVAL LOWER PT.	INTERVAL UPPER PT.	FREQUENCY	PERCENT	ADJUSTED PERCENT	CUMULATIVE PERCENT	CLASS INTERVAL	FREQUENCY	PERCENT	PERCENT
1	0.00 -	20.00	10	6.49	6.49	6.49	<1.0	0	0.00	0.00
2	20.00 -	40.00	26	16.88	16.88	23.38	1. - 2.	0	0.00	0.00
3	40.00 -	60.00	24	15.58	15.58	38.96	2. - 3.	0	0.00	0.00
4	60.00 -	80.00	14	9.09	9.09	48.05	3. - 4.	0	0.00	0.00
5	80.00 -	100.00	29	18.83	18.83	66.88	4. - 5.	0	0.00	0.00
6	100.00 -	120.00	17	11.04	11.04	77.92	5. - 5.	0	0.00	0.00
7	120.00 -	140.00	7	4.55	4.55	82.47	6. - 7.	0	0.00	0.00
8	140.00 -	160.00	10	6.49	6.49	88.96	8. - 9.	1	0.65	0.65
9	160.00 -	180.00	4	2.60	2.60	91.56	10. - 11.	2	1.30	1.95
10	180.00 -	200.00	4	2.60	2.60	94.16	12. - 14.	1	0.65	2.60
11	200.00 -	220.00	1	0.65	0.65	94.81	15. - 18.	5	3.25	5.84
12	220.00 -	240.00	2	1.30	1.30	96.10	19. - 23.	3	1.95	7.79
13	240.00 -	260.00	1	0.65	0.65	96.75	24. - 29.	9	5.84	13.64
14	260.00 -	280.00	1	0.65	0.65	97.40	30. - 37.	13	8.44	22.08
15	280.00 -	300.00	0	0.00	0.00	97.40	38. - 46.	7	4.55	26.62
16	300.00 -	320.00	1	0.65	0.65	98.05	47. - 58.	19	12.34	38.96
17	320.00 -	340.00	0	0.00	0.00	98.05	59. - 74.	13	8.44	47.40
18	340.00 -	360.00	0	0.00	0.00	98.05	75. - 93.	18	11.69	59.09
19	360.00 -	380.00	0	0.00	0.00	98.05	94. - 117.	27	17.53	76.62
20	380.00 -	400.00	0	0.00	0.00	98.05	118. - 147.	14	9.09	85.71
21	400.00 -	420.00	0	0.00	0.00	98.05	148. - 186.	12	7.79	93.51
22	420.00 -	440.00	1	0.65	0.65	98.70	187. - 234.	4	2.60	96.10
23	440.00 -	460.00	0	0.00	0.00	98.70	235. - 295.	2	1.30	97.40
24	460.00 -	480.00	0	0.00	0.00	98.70	296. - 371.	1	0.65	98.05
25	480.00 -	500.00	0	0.00	0.00	98.70	372. - 467.	1	0.65	98.70
26	500.00 -	520.00	1	0.65	0.65	99.35	468. - 588.	2	1.30	100.00
27	520.00 -	540.00	0	0.00	0.00	99.35	589. - 741.	0	0.00	100.00
28	540.00 -	560.00	0	0.00	0.00	99.35	742. - 933.	0	0.00	100.00
29	560.00 -	580.00	1	0.65	0.65	100.00	934. - 1175.	0	0.00	100.00
30	580.00 -	600.00	0	0.00	0.00	100.00	1176. - 1478.	0	0.00	100.00
31						100.00	1479. - 2000.	0	0.00	100.00
						100.00	> 2000.	0	0.00	100.00
TOTAL			154	100.00	100.00			154	100.00	

LIST OF DATA ABOVE MAXIMUM VALUE (600)

NO DATA ABOVE MAXIMUM VALUE

GCHGNOME
 NUMBER OF VALUES IS 153 VARIABLE NAME IS: BA
 CALCULATED PARAMETERS: MEAN= 4050.6208 STD.DEV.= 2500.9983 VARIANCE=6254992.0000 NO.VALUES USED= 153

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-2514.5103	0	0.0		*****
2	-1889.2607	0	0.0		*****
3	-1264.0112	0	0.0		*****
4	-638.7617	0	0.0		*****
5	-13.5122	0	0.0		*****
6	611.7373	0	0.0		2.7866
7	1236.9868	1	0.7	*	3.0924
8	1862.2363	13	8.5	*****	3.2700
9	2487.4858	24	15.7	*****	3.3958
10	3112.7354	27	17.6	*****	3.4931
11	3737.9849	31	20.3	*****	3.5726
12	4363.2344	13	8.5	*****	3.6398
13	4988.4844	10	6.5	*****	3.6980
14	5613.7344	6	3.9	****	3.7493
15	6238.9844	6	3.9	****	3.7951
16	6864.2344	4	2.6	***	3.8366
17	7489.4844	2	1.3	*	3.8745
18	8114.7344	8	5.2	*****	3.9093
19	8739.9844	3	2.0	**	3.9415
20	9365.2344	0	0.0		3.9715
21	9990.4844	1	0.7	*	3.9996

LOG VALUES.....: MEAN= 3.5489 STD.DEV.= 0.2164 VARIANCE= 0.0468 NO. VALUES= 153

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	2.9808	0	0.0		956.7212
2	3.0349	0	0.0		1083.6514
3	3.0890	0	0.0		1227.4204
4	3.1431	0	0.0		1390.2632
5	3.1972	2	1.3	*	1574.7107
6	3.2513	5	3.3	***	1783.6292
7	3.3054	7	4.6	*****	2020.2666
8	3.3595	14	9.2	*****	2288.2974
9	3.4136	11	7.2	*****	2591.8877
10	3.4677	18	11.8	*****	2935.7559
11	3.5218	19	12.4	*****	3325.2483
12	3.5759	22	14.4	*****	3766.4121
13	3.6300	8	5.2	*****	4266.1055
14	3.6841	10	6.5	*****	4832.0937
15	3.7382	7	4.6	*****	5473.1758
16	3.7923	7	4.6	*****	6199.3086
17	3.8464	4	2.6	***	7021.7773
18	3.9006	8	5.2	*****	7953.3633
19	3.9547	5	3.3	***	9008.5508
20	4.0088	1	0.7	*	10203.7227
21	4.0629	1	0.7	*	11557.4609

STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
BS	153	4050.566	2501.062	3.549	0.216

APPENDIX E

ROCK GEOCHEMICAL DATA AND STATISTICS

GNOME 1

GNOME -- AINTE W.F.

JOB

U

85-0322R

GNOME ROCK GEOCHEM

REPORT DATE 18 SEP 1985

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Hg PPM	Ba(4) PPM	As PPM
R8510829	GNOME 1-1A	12	44	76	2103	
R8510830	GNOME 1-1B	14	98	60	2025	
R8510831	GNOME 1-2A	10	70	81	1999	
R8510832	GNOME 1-2B	14	86	83	1949	
R8510833	GNOME 1-3A	12	66	90	2102	
R8510834	GNOME 1-3B	11	91	82	2736	
R8510835	GNOME 1-4A	10	75	42	3204	
R8510836	GNOME 1-4B	12	100	77	2993	
R8510837	GNOME 1-5A	9	82	50	2896	
R8510838	GNOME 1-5B	11	19	70	3484	
R8510839	GNOME 1-6A	26	18	100	3273	
R8510840	GNOME 1-6B	9	59	30	2032	
R8510841	GNOME 1-7A	7	44	46	1641	
R8510842	GNOME 1-7B	20	3	112	3048	
R8510843	GNOME 1-8A	10	13	50	1938	
R8510844	GNOME 1-8B	24	72	92	3205	
R8510845	GNOME 1-9A	10	24	38	3071	
R8510846	GNOME 1-9B	18	346	94	1979	
R8510847	GNOME 1-10A	19	50	125	1456	
R8510848	GNOME 1-10B	13	319	88	1751	
R8510849	GNOME 1-11A	13	54	70	2286	
R8510850	GNOME 1-11B	12	22	82	2313	
R8510851	GNOME 1-12A	19	37	108	2206	
R8510852	GNOME 1-12B	15	66	98	2091	
R8510853	GNOME 1-13A	13	90	113	1832	
R8510854	GNOME 1-13B	17	135	94	2562	
R8510855	GNOME 1-15A	14	22	60	2346	
R8510856	GNOME 1-15B	24	10	46	2071	
R8510857	GNOME 1-16A	13	5	50	652	
R8510858	GNOME 1-16B	8	12	48	2221	
R8510859	GNOME 1-17A	13	32	70	2026	
R8510860	GNOME 1-17B	5	284	30	1084	
R8510861	GNOME 1-18A	12	12	69	2212	
R8510862	GNOME 1-18B	8	9	65	2012	
R8510863	GNOME 1-19A	11	117	50	1079	
R8510864	GNOME 1-19B	11	26	70	2126	
R8510865	GNOME 1-20A	8	53	145	994	
R8510866	GNOME 1-20B	13	16	85	2504	
R8510867	GNOME 1-21A	14	6	81	2442	
R8510868	GNOME 1-21B	14	23	100	2457	
R8510869	GNOME 1-22A	5	293	20	280	
R8510870	GNOME 1-22B	13	11	77	2097	
R8510871	GNOME 1-23A	15	392	18	647	
R8510872	GNOME 1-23B	14	324	70	447	
R8510873	GNOME 1-24A	10	4	90	1000	
R8510874	GNOME 1-24B	15	146	115	2278	
R8510875	GNOME 1-25A	12	5	70	2574	
R8510876	GNOME 1-25B	7	164	42	407	
R8510877	GNOME 1-26A	4	16	30	592	
R8510878	GNOME 1-26B	<4	17	25	557	
R8510879	GNOME 1-27A	15	4	104	4452	

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Hg PPB	Ba (4) PPM	As PPM
R8510880	GNOME 1-27B	6	6	60	1279	
R8510881	GNOME 1-28A	6	68	34	384	
R8510882	GNOME 1-28B	6	15	15	309	
R8510883	GNOME 1-29A	8	190	50	152	
R8510884	GNOME 1-29B	9	124	370	373	
R8510885	GNOME 1-30A	5	27	30	242	
R8510886	GNOME 1-30B	6	73	34	324	
R8510887	GNOME 1-31A	6	64	25	208	
R8510888	GNOME 1-31B	7	242	38	570	
R8510889	GNOME 1-32A	10	6	41	2183	
R8510890	GNOME 1-32B	5	131	42	335	
R8510891	GNOME 1-33A	5	308	26	548	
R8510892	GNOME 1-33B	4	349	14	392	
R8510893	GNOME 1-34A	9	80	55	939	
R8510894	GNOME 1-34B	10	123	65	2077	
R8510895	GNOME 1-35A	11	2	70	2983	
R8510896	GNOME 1-35B	7	14	43	2690	
R8510897	GNOME 1-36A	13	43	280	3759	
R8510898	GNOME 1-36B	10	76	100	3289	
R8510899	GNOME 1-37A	11	220	153	2671	
R8510900	GNOME 1-37B	5	38	160	3363	
R8510901	GNOME 1-38A	6	7	50	2220	
R8510902	GNOME 1-38B	14	3	135	2083	
R8510903	GNOME 1-39A	17	21	152	1461	
R8510904	GNOME 1-39B	16	3	137	1060	
R8510905	GNOME 1-40A	22	6	210	825	
R8510906	GNOME 1-40B	11	85	76	782	
R8510907	GNOME 1-41A	15	13	105	1017	
R8510908	GNOME 1-41B	22	9	97	1170	
R8510909	GNOME 1-42A	18	37	90	2195	
R8510910	GNOME 1-43A	4	3	70	1428	
R8510911	GNOME 1-43B	5	13	110	1277	
R8510912	GNOME 1-44A	9	10	100	1270	
R8510913	GNOME 1-44B	5	7	76	1374	
R8510914	GNOME 1-45A	8	24	60	1191	
R8510915	GNOME 1-45B	15	8	95	123	
R8510916	GNOME 1-46A	6	8	168	1020	
R8510917	GNOME 1-46B	9	3	97	1350	
R8510918	GNOME 1-47A	9	17	64	1287	
R8510919	GNOME 1-47B	7	4	66	1248	
R8510920	GNOME 1-48A	15	4	45	1348	
R8510921	GNOME 1-48B	13	98	50	984	
R8510922	GNOME 1-49A	12	2	70	968	
R8510923	GNOME 1-49B	11	5	63	1430	
R8510924	GNOME 1-50A	11	3	56	1117	
R8510925	GNOME 1-50B	12	5	60	1092	
R8510926	GNOME 1-51A	12	4	81	961	
R8510927	GNOME 1-51B	25	3	170	1064	
R8510928	GNOME 1-52A	10	9	77	1007	
R8510929	GNOME 1-52B	13	19	50	987	
R8510930	GNOME 1-53A	10	28	74	1022	
R8510931	GNOME 1-53B	13	20	55	1045	
R8510932	GNOME 1-54A	<4	63	15	843	
R8510933	GNOME 1-54B	13	34	34	1095	

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Fe PPB	Ba (4) PPM	Ag PPM
R8510934	GNOME 1-55A	6	276	43	438	
R8510935	GNOME 1-55B	9	45	42	1202	
R8510936	GNOME 1-57A	25	10	38	1227	
R8510937	GNOME 1-57B	22	6	25	1211	
R8510938	GNOME 1-59A	29	8770	400	1008	
R8510939	GNOME 1-59B	12	697	34	985	
R8510940	GNOME 1-60A	10	50	100	3134	
R8510941	GNOME 1-60B	<4	15	45	2217	
R8510942	GNOME 1-61	<4	8	15	3914	
R8510943	GNOME 1-62	<4	8	<10	1053	
R8510944	GNOME 2-1A	18	253	112	2560	
R8510945	GNOME 2-1B	18	229	108	2493	
R8510946	GNOME 2-2A	14	321	100	1626	
R8510947	GNOME 2-2B	13	907	97	1958	
R8510948	GNOME 2-4A	21	347	130	3642	
R8510949	GNOME 2-4B	19	90	112	4807	
R8510950	GNOME 2-5A	10	192	96	3509	
R8510951	GNOME 2-5B	20	451	145	3810	
R8510952	GNOME 2-6A	17	203	90	1933	
R8510953	GNOME 2-6B	13	418	92	1898	
R8510954	GNOME 2-7B	22	248	100	1608	
R8510955	GNOME 2-7A	17	391	120	3342	
R8510956	GNOME 2-9B	12	300	98	2140	
R8510957	GNOME 2-10A	9	235	108	4774	
R8510958	GNOME 2-10B	27	265	130	5184	
R8510959	GNOME 2-11A	71	79	870	4127	
R8510960	GNOME 2-11B	66	191	710	2907	
R8510961	GNOME 3-2A	7	47	69	359	
R8510962	GNOME 3-2B	<4	34	42	687	
R8510963	GNOME 3-3A	12	113	53	86	
R8510964	GNOME 3-3B	<4	33	15	568	
R8510965	GNOME 3-4A	<4	20	30	626	
R8510966	GNOME 3-4B	<4	26	33	619	
R8510967	GNOME 3-5A	<4	30	170	1514	
R8510968	GNOME 3-5B	4	289	140	1812	
R8510969	GNOME 3-6A	4	16	30	1780	
R8510970	GNOME 3-6B	5	13	14	2739	
R8510971	GNOME 3-7A	<4	8	14	543	
R8510972	GNOME 3-7B	8	15	19	535	
R8510973	GNOME 3-8A	<4	11	10	439	
R8510974	GNOME 3-8B	<4	69	34	223	
R8510975	GNOME 3-11A	6	16	42	1573	
R8510976	GNOME 3-11B	10	30	65	1542	
R8510977	GNOME 3-12A	5	27	25	1611	
R8510978	GNOME 3-12B	13	45	69	3741	
R8510979	GNOME 3-13A	<4	13	29	8844	
R8510980	GNOME 3-13B	7	75	26	2488	
R8510981	GNOME 3-14A	9	331	135	836	
R8510982	GNOME 3-14B	4	35	43	2566	
R8510983	GNOME 3-15A	5	10	12	1827	
R8510984	GNOME 3-15B	5	10	10	736	
R8510985	GNOME 3-19A	<4	10	34	813	
R8510986	GNOME 3-19B	7	52	10	1048	
R8510987	GNOME 3-22A	17	39	90	7276	

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Hg PPB	Ba (4) PPM	Ag PPM
R8510988	GNOME 3-22b	11	58	24	5115	
R8510989	GNOME 3-23a	30	48	105	1383	
R8510990	GNOME 3-23b	13	23	10	1745	
R8510991	GNOME 3-24a	12	145	25	2175	
R8510992	GNOME 3-24b	27	117	30	1667	
R8510993	GNOME 3-25a	9	115	94	3538	
R8510994	GNOME 3-25b	8	47	61	2168	
R8510995	GNOME 3-26a	12	113	90	3199	
R8510996	GNOME 3-26b	10	110	65	2761	
R8510997	GNOME 3-27a	12	167	97	2970	
R8510998	GNOME 3-27b	17	158	112	2907	
R8510999	GNOME 3-28a	14	303	100	3445	
R8511000	GNOME 3-28b	13	216	90	3616	
R8511001	GNOME 3-30a	27	120	142	2324	
R8511002	GNOME 3-30b	10	93	65	1717	
R8511003	GNOME 3-31a	14	163	124	2282	
R8511004	GNOME 3-31b	10	206	89	2416	
R8511005	GNOME 4-5a	<4	17	34	1165	
R8511006	GNOME 4-5b	5	14	30	767	
R8511007	GNOME 4-6a	<4	18	12	744	
R8511008	GNOME 4-6b	5	14	20	1164	
R8511009	GNOME 4-7a	<4	10	25	3833	
R8511010	GNOME 4-7b	<4	50	42	5758	
R8511011	GNOME 4-8a	<4	8	26	3408	
R8511012	GNOME 4-8b	<4	9	34	5136	
R8511013	GNOME 4-9a	<4	24	12	2417	
R8511014	GNOME 4-9b	<4	11	15	3014	
R8511015	GNOME 4-10a	<4	10	20	4891	
R8511016	GNOME 4-10b	<4	16	10	3724	
R8511017	GNOME 4-11a	9	92	94	1143	
R8511018	GNOME 4-11b	<4	109	60	1219	
R8511019	GNOME 4-12a	5	10	130	1869	
R8511020	GNOME 4-12b	4	50	74	896	
R8511021	GNOME 4-13a	<4	84	250	1533	
R8511022	GNOME 4-13b	<4	38	90	1680	
R8511023	GNOME 4-14a	13	15	108	1316	
R8511024	GNOME 4-14b	5	25	65	1102	
R8511025	GNOME 4-15a	9	8	124	1162	
R8511026	GNOME 4-15b	8	37	170	941	
R8511027	GNOME 4-16a	6	24	94	1027	
R8511028	GNOME 4-16b	7	23	90	978	
R8511029	GNOME 4-17a	15	66	74	1943	
R8511030	GNOME 4-17b	13	505	65	2569	
R8511031	GNOME 7-3a	8	20	34	1332	
R8511032	GNOME 7-3b	13	22	50	1288	
R8511033	GNOME 7-4a	21	21	65	1400	
R8511034	GNOME 7-4b	15	34	60	1240	
R8511035	GNOME 7-6a	7	13	290	3160	
R8511036	GNOME 7-6b	22	355	210	2554	
R8511037	GNOME 7-7a	<4	72	10	1172	
R8511038	GNOME 7-7b	10	126	38	1436	
R8511039	GNOME 7-8a	7	53	24	1309	
R8511040	GNOME 7-8b	6	61	10	1433	
R8511041	GNOME 7-9a	<4	58	(1)	2239	

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Hg PPB	Ba(4) PPM	Ag PPM
R8511042	GNOME 7-9b	6	64	30	2549	
R8511043	GNOME 7-11A	4	124	24	1077	
R8511044	GNOME 7-11B	4	250	34	1081	
R8511045	GNOME 7-1A	5	25	60	964	
R8511046	GNOME 7-1b	<4	34	50	1161	
R8511047	GNOME 8-1A	<4	133	33	717	
R8511048	GNOME 8-1b	<4	88	25	722	
R8511049	GNOME 8-2A	5	679	14	1505	
R8511050	GNOME 8-2b	<4	219	30	1697	
R8511051	GNOME 8-3A	11	63	38	755	
R8511052	GNOME 8-3b	8	26	30	566	
R8511053	GNOME 8-4A	8	28	33	740	
R8511054	GNOME 8-4b	6	25	20	650	
R8511055	GNOME 8-5A	5	55	26	3781	
R8511056	GNOME 8-5b	<4	279	14	798	
R8511057	GNOME 8-7A	4	24	12	870	
R8511058	GNOME 8-7b	<4	15	35	3571	
R8511059	GNOME 8-9A	8	33	34	866	
R8511060	GNOME 8-9b	9	74	50	1104	
R8511061	GNOME 8-10A	12	2310	300	3537	
R8511062	GNOME 8-10B	4	264	38	5141	
R8511063	GNOME 8-11A	<4	46	20	1393	
R8511064	GNOME 8-11b	16	212	120	7991	
R8511065	GNOME 8-12A	5	91	90	33710	
R8511066	GNOME 8-12b	9	315	97	13547	
R8511067	GNOME 8-13A	11	49	86	6055	
R8511068	GNOME 8-13b	<4	160	25	6429	
R8511069	GNOME 8-14A	14	38	77	6283	
R8511070	GNOME 8-14b	13	31	74	5051	
R8511071	GNOME 8-15A	21	79	95	6323	
R8511072	GNOME 8-15b	16	85	81	5753	
R8511073	GNOME 8-16A	8	114	50	5336	
R8511074	GNOME 8-16b	8	189	42	4887	
R8511075	GNOME 8-17A	<4	23	46	831	
R8511076	GNOME 8-19b	8	246	108	1310	

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Ba(4) PPM	Hg PPB
R8510189	5-1A	72	188	5026	50
R8510190	5-1B	28	97	4091	56
R8510191	5-2A	16	61	16505	16
R8510192	5-2B	6	32	14479	10
R8510193	5-3A	14	73	11960	20
R8510194	5-3B	7	27	11652	39
R8510195	5-4A	6	12	1149	16
R8510196	5-4B	8	17	1446	10
R8510197	5-5A	<4	107	23	20
R8510198	5-5B	<4	183	47	50
R8510199	5-6A	6	4	642	98
R8510200	5-6B	<4	5	739	50
R8510201	5-7A	9	225	1123	62
R8510202	5-7B	8	466	1214	68
R8510203	5-8A	<4	13	740	20
R8510204	5-8B	<4	4	960	56
R8510205	5-9A	8	121	1737	45
R8510206	5-9B	<4	607	1531	29
R8510207	5-10A	9	9	1656	83
R8510208	5-10B	8	12	1586	56
R8510209	5-11A	6	5	1132	101
R8510210	5-12B	6	9	943	112
R8510211	5-12A	5	5	964	135
R8510212	5-13B	5	46	1921	133
R8510213	5-13A	7	232	1838	79
R8510214	5-14B	<4	1070	1220	112
R8510215	5-14A	15	11	1863	115
R8510216	5-15B	18	83	1457	100
R8510217	5-15A	6	68	1630	100
R8510218	5-16B	10	11	1404	60
R8510219	5-16A	18	26	1377	111
R8510220	5-17B	8	35	1912	55
R8510221	5-17A	7	10	1821	45
R8510222	5-18B	9	12	969	55
R8510223	5-18A	8	8	1228	50
R8510224	5-11B	8	22	935	105
R8510225	5-19A	6	2	1174	50
R8510226	5-19B	8	23	1142	40
R8510227	5-20A	<4	16	652	52
R8510228	5-20B	10	6	510	26
R8510229	5-21A	12	669	3265	30
R8510230	5-21B	23	558	3760	36
R8510231	5-22A	9	97	2916	40
R8510232	5-22B	9	148	2634	72
R8510233	5-23A	<4	51	712	12
R8510234	5-23B	<4	503	298	30
R8510235	5-24A	<4	30	933	22
R8510236	5-24B	<4	139	383	<10
R8510237	5-26A	<4	33	853	<10
R8510238	5-26B	10	9	962	102
R8510239	5-27A	11	4	1285	123

LAB NO	FIELD NUMBER	Pb PPM	Zn PPM	Ba(4) PPM	Hg PPB
R8510240	5-27B	10	5	533	116
R8510241	5-29A	12	10	5121	82
R8510242	5-29B	7	14	6716	72
R8510243	5-30A	6	37	4995	83
R8510244	5-30B	9	70	4754	120
R8510245	5-31A	9	602	2580	140
R8510246	5-31B	8	376	2218	78
R8510247	6-1A	<4	32	1891	50
R8510248	6-1B	4	68	3112	170
R8510249	6-2A	<4	174	685	20
R8510250	6-2B	4	14	3020	68
R8510251	6-5A	8	73	3474	<10
R8510252	6-5B	22	256	2211	39
R8510253	6-6A	18	278	2147	68
R8510254	6-6B	39	150	2412	50
R8510255	6-7A	10	61	2358	36
R8510256	6-7B	27	141	2266	40
R8510257	6-9A	18	32	3341	<10
R8510258	6-9B	19	43	2929	<10
R8510259	6-12A	<4	102	134891	111
R8510260	6-12B	<4	195	133802	150
R8510261	6-13A	4	25	105668	155
R8510262	6-13B	5	120	115752	205
R8510263	6-14A	<4	161	59064	520
R8510264	6-14B	<4	106	53264	330
R8510265	6-15A	4	13	2814	250
R8510266	6-15B	5	51	2752	94
R8510267	6-16A	5	52	2176	190
R8510268	6-16B	9	34	1697	134

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
 IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Pb AQUA REGIA DECOMPOSITION / AAS
 Zn AQUA REGIA DECOMPOSITION / AAS
 Ba(4) X-RAY FLUORESCENCE
 Hg FLAMELESS AAS

GNOME - ANALYSIS REPORT

JOB V 85-0322R

REPORT DATE 4 SEP 1983

GNOME

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	TOTAL %
R8510829	GNOME 1-1A	73.48	0.74	14.96	1.25			0.39	0.12	0.02	3.54		4.59	99.09
R8510830	GNOME 1-1b	74.50	0.71	13.81	1.29			0.34	0.09	0.02	3.23		5.43	99.42
R8510831	GNOME 1-2A	74.80	0.68	13.76	1.94			0.30	0.11	0.02	3.19		4.48	99.28
R8510832	GNOME 1-2b	76.17	0.64	13.09	1.73			0.25	0.05	0.02	3.05		4.46	99.46
R8510833	GNOME 1-3A	74.85	0.65	13.91	1.85			0.29	0.07	0.02	3.20		4.67	99.51
R8510834	GNOME 1-3b	74.32	0.66	13.75	2.22			0.31	0.05	0.02	3.18		4.83	99.34
R8510835	GNOME 1-4A	75.62	0.62	13.52	1.54			0.24	0.04	0.02	3.09		4.51	99.20
R8510836	GNOME 1-4b	75.41	0.63	13.19	1.90			0.21	0.04	0.02	3.00		4.48	98.88
R8510837	GNOME 1-5A	73.47	0.66	14.47	2.08			0.27	0.09	0.01	3.25		4.71	99.01
R8510838	GNOME 1-5b	71.98	0.77	16.12	0.99			0.36	0.06	0.03	3.63		5.18	99.12
R8510839	GNOME 1-6A	77.19	0.49	11.43	1.16			0.11	0.05	0.02	2.56		5.92	98.93
R8510840	GNOME 1-6b	63.05	0.39	7.04	1.27			0.07	0.08	0.02	1.62		3.63	99.08
R8510841	GNOME 1-7A	84.59	0.26	5.73	1.33			0.02	0.06	0.02	1.31		5.75	99.07
R8510842	GNOME 1-7b	76.87	0.58	11.67	1.07			0.18	0.05	0.02	2.65		3.62	98.51
R8510843	GNOME 1-8A	82.75	0.30	6.94	1.11			0.32	0.07	0.02	1.61		6.11	98.93
R8510844	GNOME 1-8b	77.12	0.57	12.38	2.08			0.29	0.05	0.03	2.81		3.93	99.26
R8510845	GNOME 1-9A	76.17	0.61	13.69	0.67			0.32	0.03	0.02	3.14		4.11	99.16
R8510846	GNOME 1-9b	77.59	0.49	10.06	4.17			0.32	0.11	0.19	1.99		3.76	99.98
R8510847	GNOME 1-10A	83.94	0.25	7.06	2.41			0.15	0.06	0.02	1.50		3.50	97.01
R8510848	GNOME 1-10b	77.66	0.52	10.21	4.02			0.24	0.04	0.03	2.19		4.17	99.08
R8510849	GNOME 1-11A	74.08	0.62	13.69	2.22			0.39	0.06	0.02	3.09		5.12	99.29
R8510850	GNOME 1-11b	73.85	0.71	14.48	1.85			0.40	0.04	0.11	3.31		4.89	99.44
R8510851	GNOME 1-12A	75.72	0.63	13.54	1.25			0.33	0.04	0.11	3.05		4.63	99.30
R8510852	GNOME 1-12b	76.48	0.61	12.97	1.57			0.34	0.05	0.08	2.88		4.38	99.34
R8510853	GNOME 1-13A	78.76	0.52	10.92	1.83			0.21	0.05	0.02	2.40		4.51	99.22
R8510854	GNOME 1-13b	75.71	0.64	13.03	1.68			0.30	0.04	0.02	2.92		4.77	99.05
R8510855	GNOME 1-15A	74.33	0.72	14.83	1.16			0.40	0.07	0.02	3.37		4.53	99.43
R8510856	GNOME 1-15b	78.43	0.62	12.60	1.03			0.18	0.04	0.02	2.98		3.63	99.53
R8510857	GNOME 1-16A	88.05	0.23	4.79	3.02			0.02	0.17	0.02	0.98		1.96	99.24
R8510858	GNOME 1-16b	76.69	0.66	13.49	0.72			0.24	0.05	0.12	3.21		4.21	99.55
R8510859	GNOME 1-17A	78.33	0.61	12.66	0.64			0.27	0.04	0.19	3.02		3.66	99.42
R8510860	GNOME 1-17b	86.58	0.35	6.56	1.74			0.05	0.04	0.02	1.56		2.41	99.33
R8510861	GNOME 1-18A	76.07	0.67	13.47	0.76			0.32	0.05	0.05	3.18		4.94	99.51

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	TOTAL %
R8510862	GNOME 1-18a	78.46	0.60	12.68	0.66			0.26	0.04	0.24	3.04		3.54	99.62
R8510863	GNOME 1-17a	86.74	0.34	6.56	1.74			0.02	0.06	0.02	1.57		2.40	99.45
R8510864	GNOME 1-19a	75.86	0.64	13.58	1.49			0.29	0.03	0.04	3.20		4.33	99.46
R8510865	GNOME 1-20a	84.98	0.36	6.20	2.25			0.25	0.13	0.22	1.63		2.73	99.65
R8510866	GNOME 1-20a	71.44	0.78	16.46	1.48			0.38	0.05	0.02	3.05		4.87	99.73
R8510867	GNOME 1-21a	74.26	0.68	14.17	0.17			0.27	0.04	0.02	3.34		5.36	99.43
R8510868	GNOME 1-21a	75.21	0.66	13.78	1.52			0.33	0.05	0.01	3.14		4.58	99.28
R8510869	GNOME 1-22a	91.00	0.11	1.66	4.02			0.02	0.08	0.02	0.36		1.94	99.21
R8510870	GNOME 1-22a	76.44	0.85	13.39	1.19			0.21	0.04	0.02	3.13		4.30	99.28
R8510871	GNOME 1-23a	87.09	0.19	3.73	4.85			0.02	0.15	0.02	0.81		3.33	99.19
R8510872	GNOME 1-23a	90.86	0.11	1.89	4.38			0.01	0.03	0.01	0.51		1.54	99.34
R8510873	GNOME 1-24a	83.41	0.38	8.25	0.57			0.06	0.05	0.02	2.01		3.81	99.06
R8510874	GNOME 1-24a	78.54	0.55	11.36	2.36			0.19	0.07	0.02	2.50		3.89	99.48
R8510875	GNOME 1-25a	76.03	0.69	14.01	0.77			0.28	0.04	0.02	3.49		4.04	99.38
R8510876	GNOME 1-25a	91.91	0.13	2.27	2.58			0.02	0.07	0.02	0.51		1.76	99.27
R8510877	GNOME 1-26a	92.22	0.19	3.18	1.26			0.02	0.10	0.02	0.71		1.45	99.15
R8510878	GNOME 1-26a	93.25	0.16	2.89	0.78			0.02	0.10	0.02	0.73		1.46	99.41
R8510879	GNOME 1-27a	80.69	0.58	10.79	0.72			0.16	0.04	0.02	2.52		3.03	98.75
R8510880	GNOME 1-27a	89.93	0.28	4.96	0.83			0.02	0.04	0.02	1.16		2.05	99.29
R8510881	GNOME 1-28a	96.81	0.07	0.84	0.74			0.02	0.04	0.02	0.28		0.47	99.29
R8510882	GNOME 1-28a	95.73	0.09	1.21	1.13			0.02	0.03	0.02	0.27		1.01	99.51
R8510883	GNOME 1-29a	92.71	0.10	0.75	4.00			0.02	0.11	0.02	0.12		1.83	99.66
R8510884	GNOME 1-29a	96.03	0.12	0.69	1.73			0.02	0.04	0.02	0.25		0.73	99.63
R8510885	GNOME 1-30a	96.89	0.05	0.40	0.81			0.02	0.04	0.02	0.20		1.16	99.59
R8510886	GNOME 1-30a	95.15	0.11	1.59	1.13			0.02	0.08	0.02	0.44		1.03	99.57
R8510887	GNOME 1-31a	96.91	0.09	0.47	1.20			0.02	0.05	0.02	0.20		0.85	99.61
R8510888	GNOME 1-31a	91.51	0.15	2.69	2.80			0.02	0.09	0.02	0.61		1.75	99.64
R8510889	GNOME 1-32a	78.44	0.65	12.55	0.26			0.32	0.04	0.03	3.05		3.52	99.56
R8510890	GNOME 1-32a	92.14	0.12	2.25	2.48			0.03	0.10	0.02	0.43		1.87	99.44
R8510891	GNOME 1-33a	88.14	0.21	4.01	3.66			0.15	0.09	0.02	0.81		2.27	99.36
R8510892	GNOME 1-33a	89.84	0.17	2.39	3.70			0.02	0.05	0.02	0.52		2.77	99.43
R8510893	GNOME 1-34a	86.22	0.34	6.35	1.87			0.50	0.10	0.02	1.23		3.04	99.67
R8510894	GNOME 1-34a	75.99	0.58	12.72	2.50			0.43	0.05	0.02	2.84		4.35	99.48
R8510895	GNOME 1-35a	79.05	0.57	11.58	0.37			0.40	0.04	0.05	2.62		3.89	99.47
R8510896	GNOME 1-35a	79.01	0.54	11.38	1.34			0.72	0.04	0.02	2.42		3.82	98.89
R8510897	GNOME 1-36a	78.75	0.56	11.68	1.05			0.41	0.05	0.02	2.50		4.16	99.18

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LAB NO	FIELD NUMBER	SiO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	TOTAL
		%	%	%	%	%	%	%	%	%	%	%	%	%
R8510898	GNOME 1-36a	81.87	0.50	9.68	1.27			0.28	0.07	0.02	2.09		3.32	99.10
R8510899	GNOME 1-37a	71.37	0.38	7.83	6.73			2.04	0.68	0.02	1.50		6.36	98.91
R8510900	GNOME 1-37b	80.12	0.37	9.08	1.10			0.29	0.05	0.02	1.98		5.80	98.67
R8510901	GNOME 1-38a	78.71	0.45	10.62	0.77			0.31	0.05	0.02	2.34		5.93	99.20
R8510902	GNOME 1-38b	75.53	0.61	12.61	1.53			0.37	0.05	0.02	2.79		5.38	99.20
R8510903	GNOME 1-39a	78.36	0.46	10.45	1.85			0.35	0.03	0.01	2.16		5.26	98.95
R8510904	GNOME 1-39b	82.04	0.36	8.47	0.96			0.09	0.05	0.02	1.79		5.41	99.19
R8510905	GNOME 1-40a	82.86	0.43	8.30	0.66			0.11	0.05	0.02	1.86		4.07	99.16
R8510906	GNOME 1-40b	86.11	0.34	6.54	0.85			0.02	0.05	0.02	1.47		3.58	98.98
R8510907	GNOME 1-41a	73.96	0.58	14.90	1.08			0.52	0.04	0.05	3.60		5.08	99.81
R8510908	GNOME 1-41b	71.37	0.66	16.37	1.35			0.64	0.05	0.02	4.05		5.20	99.92
R8510909	GNOME 1-42a	64.62	0.79	20.39	1.31			1.13	0.66	0.29	5.54		5.81	99.94
R8510910	GNOME 1-43a	78.66	0.49	11.16	0.87			0.25	0.06	0.05	2.42		5.33	99.29
R8510911	GNOME 1-43b	77.93	0.47	10.79	1.39			0.24	0.06	0.02	2.35		5.89	99.14
R8510912	GNOME 1-44a	77.42	0.54	11.97	1.30			0.34	0.05	0.02	2.62		5.11	99.37
R8510913	GNOME 1-44b	76.65	0.58	13.04	0.75			0.27	0.04	0.02	2.88		5.21	99.44
R8510914	GNOME 1-45a	76.74	0.55	11.45	1.76			0.52	0.07	0.02	2.42		5.65	99.38
R8510915	GNOME 1-45b	75.61	0.52	11.97	1.14			0.36	0.05	0.10	2.65		7.13	99.53
R8510916	GNOME 1-46a	81.44	0.42	9.71	1.07			0.13	0.04	0.02	2.16		4.82	99.51
R8510917	GNOME 1-46b	76.12	0.58	13.05	0.95			0.23	0.05	0.02	2.87		5.76	99.15
R8510918	GNOME 1-47a	76.07	0.55	12.36	1.34			0.38	0.04	0.02	2.70		5.34	98.80
R8510919	GNOME 1-47b	75.76	0.55	12.03	1.17			0.23	0.04	0.02	2.67		5.66	99.13
R8510920	GNOME 1-48a	77.79	0.52	11.61	0.58			0.25	0.06	0.02	2.61		5.47	99.51
R8510921	GNOME 1-48b	77.46	0.48	10.59	2.90			0.64	0.05	0.08	2.16		4.84	99.20
R8510922	GNOME 1-49a	81.43	0.54	10.46	0.78			0.22	0.05	0.02	2.41		3.71	99.56
R8510923	GNOME 1-49b	70.33	0.69	16.09	1.44			0.48	0.06	0.10	3.59		6.79	99.65
R8510924	GNOME 1-50a	79.94	0.61	11.52	0.62			0.27	0.05	0.02	2.84		3.73	99.40
R8510925	GNOME 1-50b	79.06	0.56	11.40	0.85			0.32	0.06	0.05	2.59		4.46	99.35
R8510926	GNOME 1-51a	79.23	0.58	10.26	1.16			0.30	0.10	0.01	2.53		4.41	99.18
R8510927	GNOME 1-51b	76.61	0.56	12.17	1.05			0.35	0.07	0.02	2.83		5.77	99.43
R8510928	GNOME 1-52a	76.62	0.56	12.89	1.21			0.41	0.05	0.08	2.92		5.17	99.91
R8510929	GNOME 1-52b	76.47	0.52	12.22	1.17			0.37	0.06	0.02	2.85		5.89	99.37
R8510930	GNOME 1-53a	77.51	0.52	11.75	1.44			0.33	0.05	0.05	2.75		4.87	99.25
R8510931	GNOME 1-53b	74.91	0.58	13.66	1.84			0.45	0.06	0.02	3.06		5.11	99.69
R8510932	GNOME 1-54a	73.33	0.54	12.28	4.62			1.26	0.03	0.02	2.30		5.16	99.61
R8510933	GNOME 1-54b	75.90	0.58	12.84	1.55			0.41	0.07	0.02	3.05		5.10	99.52

LAB NO.	FIELD NUMBER	SrO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	TOTAL
		%	%	%	%	%	%	%	%	%	%	%	%	%
R8510934	GNOME 1-55A	60.76	0.34	7.04	5.39			1.21	0.05	0.02	1.10		3.59	99.50
R8510935	GNOME 1-55B	77.58	0.57	11.83	1.35			0.41	0.05	0.02	2.73		4.56	99.30
R8510936	GNOME 1-57A	76.60	0.63	12.89	1.11			0.50	0.05	0.02	3.52		4.04	99.36
R8510937	GNOME 1-57B	76.25	0.61	12.73	0.94			0.43	0.06	0.02	3.44		4.48	99.46
R8510938	GNOME 1-59A	59.29	0.26	5.59	4.79			4.69	7.02	0.03	1.86		13.80	96.73
R8510939	GNOME 1-59B	47.66	0.26	5.92	2.27			6.28	14.79	0.03	2.02		19.08	98.31
R8510940	GNOME 1-60A	84.51	0.12	2.01	2.25			1.61	2.47	0.01	0.75		4.93	98.66
R8510941	GNOME 1-60B	77.58	0.10	1.81	1.88			3.75	5.07	0.02	0.68		8.58	99.07
R8510942	GNOME 1-61	37.75	0.79	12.29	2.92			6.95	13.58	0.19	1.76		19.43	97.86
R8510943	GNOME 1-62	20.79	0.71	6.53	2.94			13.63	20.34	0.03	2.13		31.69	99.79
R8510944	GNOME 2-1A	76.51	0.61	12.42	1.50			0.61	0.22	0.07	3.29		3.94	99.17
R8510945	GNOME 2-1B	75.68	0.57	11.98	1.92			0.55	0.18	0.04	3.15		5.01	99.08
R8510946	GNOME 2-2A	80.43	0.47	9.49	1.82			0.40	0.20	0.03	2.46		3.80	99.10
R8510947	GNOME 2-2B	73.96	0.56	12.24	3.41			0.66	0.41	0.02	3.03		4.62	99.11
R8510948	GNOME 2-4A	78.69	0.48	9.89	2.25			0.47	0.19	0.02	2.50		4.63	99.12
R8510949	GNOME 2-4B	75.26	0.55	12.39	1.48			0.56	0.27	0.02	3.17		5.82	99.02
R8510950	GNOME 2-5A	77.83	0.38	9.64	0.78			0.37	0.26	0.02	2.50		7.20	98.98
R8510951	GNOME 2-5B	75.42	0.56	11.95	1.74			0.56	0.22	0.02	3.09		5.51	99.07
R8510952	GNOME 2-6A	76.29	0.57	12.10	1.75			0.54	0.10	0.02	3.25		4.48	99.10
R8510953	GNOME 2-6B	76.65	0.54	11.78	2.04			0.48	0.10	0.02	3.19		4.39	99.19
R8510954	GNOME 2-7A	77.54	0.51	11.02	1.45			0.40	0.10	0.02	2.96		5.21	99.21
R8510955	GNOME 2-9A	70.50	0.56	11.48	2.04			0.97	0.27	0.04	2.76		10.35	98.93
R8510956	GNOME 2-9B	81.39	0.44	9.00	1.57			0.42	0.12	0.20	1.97		4.48	99.57
R8510957	GNOME 2-10A	72.36	0.54	12.06	1.70			0.60	0.12	0.02	2.70		8.29	99.01
R8510958	GNOME 2-10B	72.25	0.57	11.82	2.34			0.52	0.17	0.02	2.74		8.30	98.73
R8510959	GNOME 2-11A	82.49	0.25	5.43	0.56			0.22	0.05	0.02	1.46		3.08	98.56
R8510960	GNOME 2-11B	85.53	0.19	3.70	0.89			0.04	0.11	0.02	1.04		7.10	98.62
R8510961	GNOME 3-2A	15.32	0.05	1.57	1.41			2.09	41.21	0.03	0.50		35.27	98.15
R8510962	GNOME 3-2B	19.95	0.08	2.56	1.34			6.08	34.12	0.02	1.04		33.28	98.47
R8510963	GNOME 3-3A	11.95	0.03	1.56	1.42			0.80	45.86	0.26	0.28		35.75	97.99
R8510964	GNOME 3-3B	37.61	0.26	7.34	2.62			3.19	24.25	0.03	1.96		21.41	98.67
R8510965	GNOME 3-4A	43.20	0.22	6.10	1.92			1.45	23.94	0.36	1.80		20.32	98.41
R8510966	GNOME 3-4B	36.98	0.18	5.56	2.03			1.81	26.61	0.04	1.84		22.95	98.07
R8510967	GNOME 3-5A	79.93	0.32	7.05	1.35			0.48	0.32	0.02	2.11		7.36	99.14
R8510968	GNOME 3-5B	73.80	0.32	8.02	5.78			0.74	0.57	0.02	2.42		7.47	99.14
R8510969	GNOME 3-6A	59.22	0.31	5.52	1.35			6.41	9.17	0.03	2.56		14.74	98.31

LAB NO	FIELD NUMBER	SiO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	TOTAL
		%	%	%	%	%	%	%	%	%	%	%	%	%
R8510970	GNOME 3-6a	22.27	0.10	3.85	1.35			9.46	28.76	0.03	1.43		22.02	98.07
R8510971	GNOME 3-7A	19.35	0.06	1.47	0.98			3.53	44.30	0.04	1.79		37.83	98.85
R8510972	GNOME 3-7b	9.18	0.04	1.20	0.99			2.13	46.75	0.12	0.36		38.05	98.87
R8510973	GNOME 3-8A	8.20	0.02	0.57	0.45			0.52	50.24	0.24	0.12		38.90	99.26
R8510974	GNOME 3-8a	4.46	0.02	0.64	0.37			0.57	52.73	0.13	0.12		40.66	99.50
R8510975	GNOME 3-11a	55.56	0.32	5.37	1.26			6.88	10.06	0.03	3.08		15.37	98.23
R8510976	GNOME 3-11a	60.46	0.40	7.12	1.81			5.24	7.44	0.04	3.78		12.07	98.36
R8510977	GNOME 3-12a	49.68	0.31	4.92	1.65			8.06	12.42	0.03	2.40		16.95	98.42
R8510978	GNOME 3-12a	70.18	0.47	8.74	1.99			2.77	3.59	0.02	3.70		7.38	99.04
R8510979	GNOME 3-13a	61.17	0.35	7.16	2.50			4.64	6.91	0.27	3.01		11.43	97.44
R8510979	GNOME 3-13a	16.93	0.16	4.09	1.75			4.67	35.84	0.15	1.38		33.18	98.15
R8510981	GNOME 3-14a	71.05	0.14	1.89	0.62			3.67	7.72	0.03	0.80		12.46	98.58
R8510982	GNOME 3-14a	56.58	0.30	6.63	1.09			3.52	13.11	0.03	2.35		14.75	98.36
R8510983	GNOME 3-15a	58.13	0.38	7.98	1.49			4.35	9.79	0.03	2.65		13.40	98.10
R8510984	GNOME 3-15a	29.33	0.17	3.97	1.26			3.11	31.13	0.10	1.16		27.75	97.98
R8510985	GNOME 3-19a	48.44	0.26	5.93	0.90			7.66	13.24	0.44	1.89		19.26	98.22
R8510986	GNOME 3-19a	58.25	0.38	11.25	2.91			2.76	2.52	0.32	4.36		9.30	98.75
R8510987	GNOME 3-22a	73.87	0.56	12.18	1.23			0.98	0.45	0.10	3.42		6.35	99.14
R8510988	GNOME 3-22a	72.26	0.32	13.29	1.84			0.91	1.75	0.44	3.57		4.27	98.65
R8510989	GNOME 3-23a	65.92	0.60	11.62	3.03			3.02	2.82	0.02	5.71		6.45	98.19
R8510990	GNOME 3-23a	73.83	0.22	14.52	1.73			0.83	0.42	0.14	4.65		3.00	95.34
R8510991	GNOME 3-24a	78.71	0.17	11.34	1.27			0.46	0.65	0.08	3.50		2.50	99.10
R8510992	GNOME 3-24a	72.33	0.23	10.02	2.23			0.65	0.55	0.08	3.30		4.90	99.27
R8510993	GNOME 3-25a	73.61	0.52	11.66	3.20			1.13	0.37	0.16	3.20		5.34	99.19
R8510994	GNOME 3-25a	60.72	0.30	7.27	2.13			0.71	0.85	0.16	2.14		4.78	99.06
R8510995	GNOME 3-26a	73.16	0.53	12.94	2.15			0.73	0.26	0.25	3.39		5.95	99.21
R8510996	GNOME 3-26a	69.74	0.52	11.89	3.17			1.61	1.95	0.17	3.25		6.55	98.65
R8510997	GNOME 3-27a	73.58	0.60	13.32	2.30			0.73	0.14	0.22	3.68		4.73	99.30
R8510998	GNOME 3-27a	73.85	0.61	12.76	2.63			0.71	0.20	0.14	3.55		4.67	99.12
R8510999	GNOME 3-28a	72.86	0.60	12.41	3.46			0.82	0.39	0.15	3.46		4.67	98.82
R8511000	GNOME 3-28a	73.04	0.57	12.79	3.23			0.89	0.32	0.15	3.54		4.53	99.08
R8511001	GNOME 3-30a	74.19	0.65	13.86	1.56			0.77	0.14	0.25	3.80		4.37	99.59
R8511002	GNOME 3-30a	79.56	0.47	10.20	1.65			0.55	0.21	0.14	2.33		7.42	98.53
R8511003	GNOME 3-31a	75.41	0.55	11.80	2.73			0.63	0.14	0.31	3.16		4.57	99.30
R8511004	GNOME 3-31a	73.44	0.62	13.57	1.45			0.69	0.26	0.02	3.74		5.31	99.10
R8511005	GNOME 4-5a	43.36	0.25	5.52	1.03			9.30	14.50	0.36	1.78		21.88	97.98

LAB NO	FIELD NUMBER	Sr02	Tr02	AL2O3	Fe2O3	FeO	MNO	MgO	CaO	Na2O	K2O	P2O5	LOI	TOTAL
		%	%	%	%	%	%	%	%	%	%	%	%	%
R0511006	GNOME 4-5a	41.56	0.26	5.14	1.02			9.21	16.27	0.58	1.56		22.60	98.22
R0511007	GNOME 4-6a	42.19	0.24	7.11	4.02			4.39	17.58	0.03	3.15		17.46	98.17
R0511008	GNOME 4-6a	59.77	0.44	8.15	2.22			5.25	7.71	0.79	2.68		11.75	98.74
R0511009	GNOME 4-7a	54.57	0.45	8.14	2.28			6.07	8.55	0.03	3.74		14.20	98.09
R0511010	GNOME 4-7a	59.63	0.40	7.23	1.71			5.23	7.55	0.03	3.80		17.37	98.00
R0511011	GNOME 4-8a	63.46	0.42	7.32	2.38			4.33	6.61	0.03	2.79		10.04	98.22
R0511012	GNOME 4-8a	60.77	0.45	8.88	2.39			4.86	6.90	0.03	3.36		11.89	99.53
R0511013	GNOME 4-9a	53.46	0.37	7.85	1.96			6.61	7.56	0.08	3.23		15.37	98.47
R0511014	GNOME 4-9a	60.30	0.40	8.31	1.86			5.02	7.08	0.12	3.45		11.91	98.45
R0511015	GNOME 4-10a	48.70	0.33	6.87	1.87			7.88	11.26	0.13	3.12		17.79	97.95
R0511016	GNOME 4-10a	43.08	0.34	7.02	2.04			9.02	13.02	0.03	2.94		20.84	98.33
R0511017	GNOME 4-11a	47.91	0.22	4.85	1.27			8.01	13.69	0.03	1.87		17.35	97.20
R0511018	GNOME 4-11a	48.37	0.15	3.00	1.03			3.25	19.84	0.03	1.13		21.43	98.25
R0511019	GNOME 4-12a	84.33	0.24	4.26	0.44			0.30	0.08	0.02	1.34		7.73	98.76
R0511020	GNOME 4-12a	89.29	0.11	1.83	0.65			0.02	0.20	0.02	0.68		6.25	99.05
R0511021	GNOME 4-13a	84.90	0.21	4.27	0.36			0.21	0.06	0.02	1.38		7.38	98.81
R0511022	GNOME 4-13a	85.77	0.23	4.73	0.28			0.32	0.07	0.02	1.46		6.14	99.04
R0511023	GNOME 4-14a	77.59	0.46	10.67	1.55			0.69	0.07	0.02	2.50		6.16	99.62
R0511024	GNOME 4-14a	82.53	0.30	7.29	0.89			0.29	0.15	0.02	1.81		6.00	97.28
R0511025	GNOME 4-15a	77.36	0.50	9.68	1.56			0.50	0.10	0.02	2.44		7.23	99.39
R0511026	GNOME 4-15a	80.68	0.39	7.60	1.56			0.22	0.06	0.02	1.96		6.30	98.49
R0511027	GNOME 4-16a	81.15	0.40	8.63	0.82			0.37	0.08	0.02	2.27		5.43	99.21
R0511028	GNOME 4-16a	79.08	0.36	7.21	1.51			0.70	1.33	0.02	2.06		6.65	98.92
R0511029	GNOME 4-17a	65.33	0.89	17.53	4.32			1.13	0.22	0.18	4.41		5.57	97.38
R0511030	GNOME 4-17a	64.97	0.78	17.39	4.03			1.30	0.69	0.49	4.37		5.46	99.48
R0511031	GNOME 7-3a	75.86	0.49	13.02	1.17			0.72	0.10	0.24	3.14		4.86	99.60
R0511032	GNOME 7-3a	76.05	0.47	12.62	1.59			0.58	0.07	0.02	3.06		4.82	97.30
R0511033	GNOME 7-4a	69.99	0.56	15.81	1.37			0.98	0.09	0.13	4.05		6.70	99.68
R0511034	GNOME 7-4a	71.23	0.52	14.49	1.90			0.99	0.10	0.17	3.59		6.14	99.03
R0511035	GNOME 7-6a	79.26	0.37	8.67	0.24			0.76	0.07	0.02	2.49		7.14	99.02
R0511036	GNOME 7-6a	79.47	0.28	6.34	1.39			0.54	0.37	0.02	1.86		8.57	98.66
R0511037	GNOME 7-7a	51.03	0.33	6.89	1.13			7.94	11.26	0.03	2.25		17.78	98.64
R0511038	GNOME 7-7a	45.23	0.34	7.23	1.76			6.51	12.91	0.03	2.35		19.84	98.20
R0511039	GNOME 7-8a	48.07	0.31	6.26	1.20			7.29	13.64	0.03	2.06		18.75	98.51
R0511040	GNOME 7-8a	52.25	0.33	6.62	1.30			7.15	12.03	0.03	2.17		17.42	99.30
R0511041	GNOME 7-9a	53.80	0.24	5.14	1.02			8.15	11.30	0.03	1.73		16.33	99.74

LAB NO	FIELD NUMBER	SiO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	TOTAL
		%	%	%	%	%	%	%	%	%	%	%	%	%
R8511042	GNOME 7-9a	51.45	0.39	6.36	1.10			8.13	11.03	0.93	2.58		17.56	98.95
R8511043	GNOME 7-11a	61.34	0.39	7.81	1.97			4.75	7.01	0.67	2.56		11.10	97.62
R8511044	GNOME 7-11b	69.37	0.36	8.28	1.80			3.42	4.41	1.04	2.69		7.44	98.81
R8511045	GNOME 7-1a	77.80	0.40	9.79	2.02			0.62	0.14	0.03	2.31		0.18	99.29
R8511046	GNOME 7-1a	73.98	0.58	13.46	1.63			0.91	0.13	0.21	3.14		0.99	99.23
R8511047	GNOME 8-1a	67.21	0.40	8.99	2.03			3.26	4.69	0.70	3.39		7.97	98.64
R8511048	GNOME 8-1a	71.12	0.41	9.39	1.74			2.54	3.12	0.27	3.61		5.99	98.79
R8511049	GNOME 8-2a	68.12	0.24	7.28	1.69			3.81	4.86	0.32	3.75		8.41	98.48
R8511050	GNOME 8-2a	58.07	0.45	9.49	2.27			4.75	5.96	0.08	4.63		11.67	97.97
R8511051	GNOME 8-3a	55.27	0.35	7.05	1.49			5.92	10.22	0.03	2.43		15.49	98.25
R8511052	GNOME 8-3a	40.34	0.21	4.81	1.22			9.45	10.65	0.93	1.57		23.69	97.97
R8511053	GNOME 8-4a	39.75	0.29	5.74	1.23			10.82	14.89	0.03	1.87		23.81	98.43
R8511054	GNOME 8-4a	40.52	0.23	4.75	1.28			10.36	15.72	0.93	1.54		23.86	98.29
R8511055	GNOME 8-5a	62.98	0.39	8.26	1.77			4.23	6.22	0.35	3.44		10.36	98.00
R8511056	GNOME 8-5a	61.96	0.37	7.74	2.03			4.59	7.49	0.14	3.02		11.69	99.03
R8511057	GNOME 8-7a	62.36	0.23	5.32	2.02			5.14	8.16	0.93	3.21		12.91	99.28
R8511058	GNOME 8-7a	62.94	0.32	5.49	1.90			4.37	6.31	0.94	3.51		10.35	97.33
R8511059	GNOME 8-9a	48.16	0.24	5.83	1.19			8.76	13.18	0.93	1.95		20.61	99.75
R8511060	GNOME 8-9a	59.51	0.36	7.79	1.69			6.09	7.90	0.93	2.63		13.98	99.78
R8511061	GNOME 8-10a	62.03	0.30	6.63	1.54			3.95	5.82	0.93	2.14		16.34	98.78
R8511062	GNOME 8-10a	35.18	0.29	6.42	1.35			11.37	15.57	0.93	1.67		27.23	99.11
R8511063	GNOME 8-11a	95.83	0.06	0.84	0.64			0.31	0.30	0.02	0.27		1.28	99.55
R8511064	GNOME 8-11a	69.90	0.52	13.94	2.57			0.73	0.22	0.02	3.01		6.37	98.53
R8511065	GNOME 8-12a	70.37	0.56	11.73	2.26			0.82	0.23	0.51	2.41		6.62	95.51
R8511066	GNOME 8-12a	72.68	0.56	11.98	2.66			0.21	0.20	0.20	2.88		5.91	97.88
R8511067	GNOME 8-13a	76.32	0.30	11.66	1.07			0.69	0.26	0.02	2.83		5.43	98.58
R8511068	GNOME 8-13a	72.21	0.21	13.44	2.43			1.43	1.34	0.14	2.96		4.51	98.67
R8511069	GNOME 8-14a	61.16	0.85	20.39	3.61			1.44	0.89	0.35	4.82		6.38	99.09
R8511070	GNOME 8-14a	66.49	0.75	17.33	3.42			1.28	0.10	0.47	3.93		5.55	99.28
R8511071	GNOME 8-15a	62.11	0.85	19.42	4.31			1.50	0.11	0.39	4.46		6.04	97.19
R8511072	GNOME 8-15a	63.50	0.26	18.71	4.25			1.38	0.15	0.26	4.70		5.87	99.23
R8511073	GNOME 8-16a	60.16	0.84	20.19	5.44			1.77	0.19	0.14	4.41		6.10	99.24
R8511074	GNOME 8-16a	60.73	0.77	17.93	6.58			1.91	0.24	0.13	3.97		5.91	99.29
R8511075	GNOME 8-19a	82.62	0.26	5.62	0.63			0.14	0.20	0.02	1.49		8.18	99.16
R8511076	GNOME 8-19a	78.24	0.40	8.18	2.51			0.58	0.32	0.92	2.06		7.99	99.40

GNOME - ALKIE W.P.

JOB U 25-0228R
 REPORT DATE 27 AUG 1965

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	TOTAL %
R8510189	5-1A	54.82	0.35	5.19	1.66			6.92	9.39	0.03	2.59		16.03	97.48
R8510190	5-1B	63.87	0.45	8.05	2.13			4.21	5.73	0.04	3.40		10.54	98.42
R8510191	5-2A	68.74	0.28	6.08	1.04			3.81	5.45	0.30	3.05		8.81	97.56
R8510192	5-2B	66.12	0.45	9.33	1.21			3.69	4.51	0.22	3.99		8.35	97.87
R8510193	5-3A	50.59	0.39	8.14	1.94			7.31	9.96	0.05	3.40		15.77	97.55
R8510194	5-3B	49.15	0.34	6.86	1.32			8.04	11.01	0.11	2.89		17.24	97.72
R8510195	5-4A	55.82	0.34	6.75	1.92			4.88	10.97	0.03	2.58		15.20	98.49
R8510196	5-4B	59.93	0.44	8.42	1.60			5.15	7.36	0.04	3.12		12.44	96.79
R8510197	5-5A	2.02	0.02	0.02	0.35			0.27	54.52	0.09	0.02		42.36	99.67
R8510198	5-5B	2.28	0.02	0.02	0.34			0.20	53.80	0.23	0.07		42.14	99.06
R8510199	5-6A	77.87	0.45	9.87	1.03			0.58	0.11	0.07	2.95		6.33	99.26
R8510200	5-6B	77.75	0.48	10.81	0.29			0.73	0.09	0.04	3.18		5.74	99.72
R8510201	5-7A	63.16	0.60	17.12	6.47			1.29	0.33	0.08	4.17		6.49	99.91
R8510202	5-7B	62.05	0.83	17.30	6.62			1.38	0.04	0.10	4.39		5.89	99.80
R8510203	5-8A	92.89	0.10	1.71	0.47			0.23	0.43	0.02	0.55		3.18	99.53
R8510204	5-8B	93.72	0.10	1.79	0.30			0.02	0.09	0.02	0.56		2.52	99.12
R8510205	5-9A	72.37	0.58	13.64	2.63			0.54	0.12	0.12	3.07		6.10	99.19
R8510206	5-9B	67.15	0.60	14.54	5.37			1.34	0.26	0.02	2.87		7.08	99.28
R8510207	5-10A	77.06	0.56	12.34	0.80			0.49	0.06	0.02	2.75		5.31	99.39
R8510208	5-10B	77.44	0.52	12.01	0.96			0.46	0.06	0.02	2.86		5.41	99.54
R8510209	5-11A	74.16	0.48	10.31	2.13			0.36	0.04	0.02	2.20		9.71	99.41
R8510210	5-12A	76.51	0.48	9.93	1.11			0.40	0.09	0.02	2.11		8.79	99.44
R8510211	5-12B	74.99	0.51	10.42	0.96			0.43	0.05	0.02	2.25		9.82	99.45
R8510212	5-13A	75.51	0.45	10.36	1.59			0.49	0.07	0.02	2.08		8.52	99.09
R8510213	5-13B	76.78	0.47	9.83	2.02			0.40	0.05	0.02	2.04		7.47	99.13
R8510214	5-14A	70.97	0.39	9.57	7.85			1.00	0.06	0.02	1.64		7.98	99.48
R8510215	5-14B	76.83	0.52	11.35	1.04			0.42	0.07	0.02	2.39		6.70	99.34
R8510216	5-15A	73.46	0.47	10.63	1.83			0.52	2.63	0.02	2.13		7.32	99.01
R8510217	5-15B	76.42	0.47	10.55	1.21			0.33	0.13	0.02	2.24		8.01	99.38
R8510218	5-16A	77.66	0.54	11.78	0.87			0.31	0.06	0.02	2.40		5.69	99.33
R8510219	5-16B	74.36	0.55	12.33	2.31			0.47	0.06	0.02	2.43		6.90	99.43
R8510220	5-17A	78.29	0.50	11.47	1.16			0.30	0.08	0.02	2.33		5.10	99.25
R8510221	5-17B	77.83	0.54	11.26	0.90			0.36	0.07	0.02	2.28		5.86	99.12

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	TOTAL %
R8510222	5-18a	80.33	0.47	9.51	1.87			0.31	0.07	0.02	1.90		5.06	99.54
R8510223	5-18a	77.80	0.51	11.35	1.12			0.40	0.19	0.07	2.27		5.65	99.55
R8510224	5-11a	71.57	0.50	10.63	2.44			0.43	0.12	0.04	2.08		11.12	98.93
R8510225	5-19a	82.80	0.42	8.50	0.84			0.19	0.06	0.02	1.81		4.79	99.43
R8510226	5-19a	78.66	0.46	10.47	1.12			0.35	0.18	0.02	2.08		5.82	99.22
R8510227	5-20a	82.17	0.28	6.72	1.32			0.20	0.04	0.02	1.37		6.99	99.11
R8510228	5-20a	87.49	0.22	4.96	0.62			0.02	0.06	0.02	1.04		4.69	99.12
R8510229	5-21a	60.35	0.87	18.25	8.18			1.36	0.06	0.02	3.97		6.35	99.41
R8510230	5-21a	59.22	0.90	20.85	5.84			1.62	0.06	0.02	4.61		6.49	99.61
R8510231	5-22a	73.35	0.57	12.71	2.67			0.84	0.35	0.02	3.05		5.53	99.09
R8510232	5-22a	78.91	0.51	10.26	2.31			0.58	0.05	0.02	2.47		4.51	99.62
R8510233	5-23a	11.81	0.08	1.76	8.45			12.56	26.38	0.03	0.28		37.12	98.68
R8510234	5-23a	20.82	0.11	2.34	9.64			10.36	23.24	0.03	0.31		32.16	99.01
R8510235	5-24a	81.42	0.42	2.84	0.99			0.55	0.14	0.02	2.18		5.93	99.59
R8510236	5-24a	43.31	0.03	0.03	2.75			10.55	17.18	0.03	0.03		25.18	99.09
R8510237	5-24a	62.63	0.39	7.78	1.77			4.23	7.82	0.04	2.16		10.73	98.17
R8510238	5-26a	76.05	0.54	13.23	0.98			0.68	0.06	0.02	3.16		5.05	99.77
R8510239	5-27a	72.44	0.65	10.36	0.97			0.79	0.07	0.02	3.91		4.76	99.99
R8510240	5-27a	56.48	0.06	1.42	6.36			9.71	19.93	0.02	0.20		4.94	99.12
R8510241	5-29a	76.62	0.44	11.49	1.41			0.44	0.26	0.02	2.29		5.72	98.63
R8510242	5-29a	75.43	0.55	12.11	0.80			0.52	0.07	0.02	2.49		6.72	98.71
R8510243	5-30a	76.35	0.43	11.19	1.42			0.47	0.11	0.02	2.29		6.71	98.99
R8510244	5-30a	74.33	0.46	11.88	2.29			0.52	0.17	0.02	2.40		6.73	98.80
R8510245	5-31a	75.75	0.49	10.20	3.09			0.70	0.05	0.02	2.14		6.67	99.11
R8510246	5-31a	74.89	0.51	10.48	3.42			0.94	0.05	0.02	2.16		7.05	99.52
R8510247	6-1a	90.63	0.13	3.01	0.57			0.09	0.11	0.02	0.86		3.43	98.65
R8510248	6-1a	83.06	0.25	5.78	0.79			0.38	0.06	0.02	1.53		7.23	99.10
R8510249	6-2a	65.86	0.32	7.91	1.49			4.17	5.67	0.98	3.88		9.51	98.99
R8510250	6-2a	80.92	0.28	6.93	0.64			0.47	0.06	0.02	1.81		8.03	99.16
R8510251	6-5a	76.07	0.21	12.20	1.78			1.01	0.31	0.02	3.59		3.63	98.53
R8510252	6-5a	78.10	0.27	10.44	2.03			0.72	0.27	0.02	2.87		4.62	99.34
R8510253	6-0a	74.92	0.31	11.09	2.49			0.79	0.22	0.02	3.27		6.32	99.43
R8510254	6-0a	76.49	0.31	11.47	1.45			0.69	0.22	0.02	3.47		5.02	99.14
R8510255	6-7a	76.76	0.31	11.66	1.11			0.67	0.13	0.02	3.51		5.09	99.19
R8510256	6-7a	76.73	0.34	10.99	1.29			0.64	0.24	0.02	3.28		5.91	99.44
R8510257	6-9a	75.86	0.18	12.09	1.92			0.75	1.10	0.02	3.56		3.31	98.79

LAB NO	FIELD NUMBER	SiO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	TOTAL
		%	%	%	%	%	%	%	%	%	%	%	%	%
R0510258	6-9a	72.29	0.19	12.77	1.29			0.86	2.23	0.02	3.78		4.81	98.84
R0510259	6-12a	62.28	0.37	8.30	1.88			0.85	0.30	1.55	2.24		4.40	82.27
R0510260	6-12a	62.12	0.48	9.47	1.65			0.86	0.27	1.79	1.32		5.44	83.40
R0510261	6-13a	65.30	0.39	8.55	1.95			0.58	0.94	1.22	0.18		0.67	87.78
R0510262	6-13a	59.73	0.41	9.01	2.99			0.25	0.36	0.93	0.28		10.76	84.97
R0510263	6-14a	62.26	0.48	8.52	2.13			0.46	0.19	0.37	1.84		14.15	90.42
R0510264	6-14a	64.62	0.47	7.56	2.48			0.42	0.16	0.28	1.80		13.25	91.34
R0510265	6-15a	83.14	0.25	5.73	0.30			0.26	0.07	0.02	1.53		7.60	98.90
R0510266	6-15a	82.18	0.27	6.28	0.76			0.33	0.17	0.02	1.65		7.31	98.97
R0510267	6-16a	81.08	0.31	6.88	0.30			1.34	0.10	0.02	1.82		8.10	98.95
R0510268	6-16a	83.15	0.27	5.66	0.69			0.23	0.05	0.02	1.45		7.49	99.01

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

FeO DETERMINED BY ACID DIGESTION/VOLUMETRIC. LOI DETERMINED GRAVIMETRICALLY
OTHER ELEMENTS BY LI BORATE FUSION/XRF. WHERE NO FeO VALUE SHOWN 'Fe2O3' IS TOTAL FE AS Fe2O3

PEARSON CORRELATION COEFFICIENTS TABLE : GNOME2

	PB	ZN	HG	BA
PB	1.000 328	0.145 328	0.405 328	0.151 328
ZN	0.145 328	1.000 328	0.110 328	0.109 328
HG	0.405 328	0.110 328	1.000 328	0.282 328
BA	0.151 328	0.109 328	0.282 328	1.000 328

(COEFFICIENT / CASES) (A VALUE OF 99.0 IS PRINTED IF A COEFFICIENT CANNOT BE COMPUTED)

LOGGED DATA WAS USED IN THE COMPUTATIONS

HISTOGRAM FOR ELEMENT PB

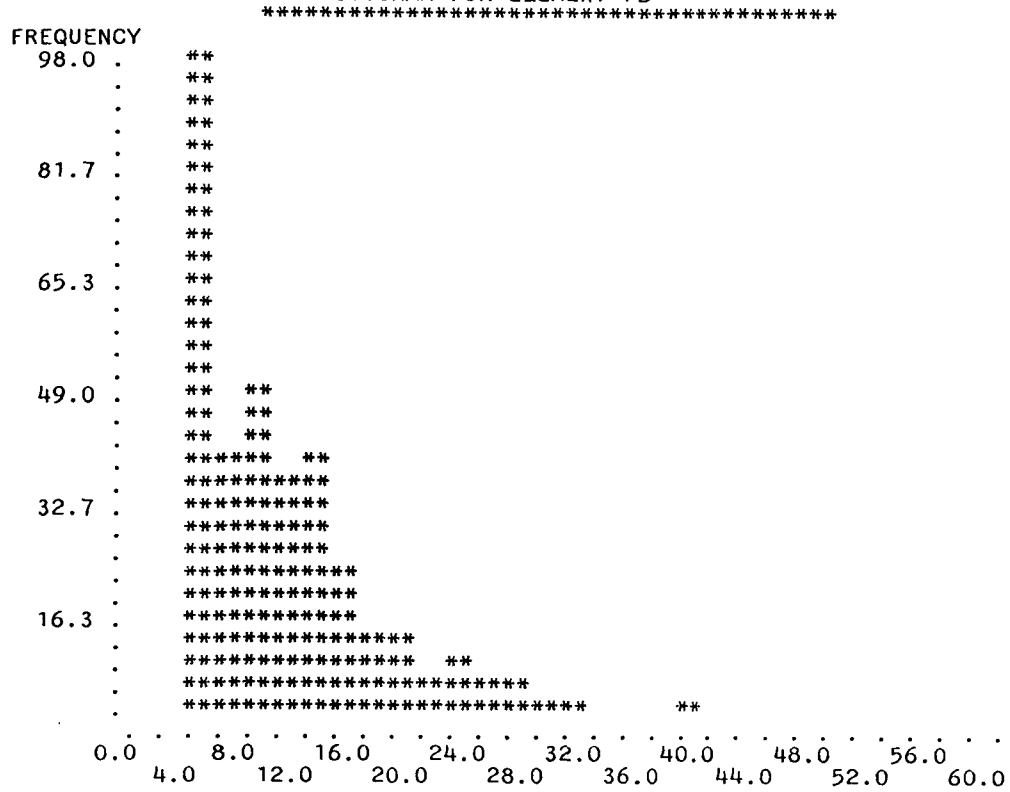


FIGURE : GNOME2

TOTAL NUMBER OF SAMPLES PLOTTED = 325 ELEMENT PB
 NUMBER OF MISSING VALUES = 0
 SAMPLES ABOVE MAXIMUM = 3 PERCENT OF POPULATION = 0.91

MEAN OF SAMPLES = 9.93
 STANDARD DEVIATION = 5.99
 MEDIAN OF SAMPLES = 9.00

PERCENT (TOTAL NUMBER OF DATA) 328 ADJUSTED PERCENT (DATA USED IN HISTOGRAM) 325

CLASS	INTERVAL LOWER PT.	INTERVAL UPPER PT.	FREQUENCY	PERCENT	ADJUSTED PERCENT	CUMULATIVE PERCENT	CLASS INTERVAL	FREQUENCY	PERCENT	PERCENT
							<1.0	0	0.00	0.00
1	0.00 -	2.00	0	0.00	0.00	0.00	1. - 2.	0	0.00	0.00
2	2.00 -	4.00	0	0.00	0.00	0.00	2. - 3.	0	0.00	0.00
3	4.00 -	6.00	98	29.88	30.15	30.15	3. - 4.	0	0.00	0.00
4	6.00 -	8.00	36	10.98	11.08	41.23	4. - 5.	73	22.26	22.26
5	8.00 -	10.00	48	14.63	14.77	56.00	5. - 5.	25	7.62	29.88
6	10.00 -	12.00	35	10.67	10.77	66.77	6. - 7.	36	10.98	40.85
7	12.00 -	14.00	39	11.89	12.00	78.77	8. - 9.	48	14.63	55.49
8	14.00 -	16.00	22	6.71	6.77	85.54	10. - 11.	35	10.67	66.16
9	16.00 -	18.00	10	3.05	3.08	88.62	12. - 14.	51	15.55	81.71
10	18.00 -	20.00	12	3.66	3.69	92.31	15. - 18.	28	8.54	90.24
11	20.00 -	22.00	5	1.52	1.54	93.85	19. - 23.	16	4.88	95.12
12	22.00 -	24.00	7	2.13	2.15	96.00	24. - 29.	11	3.35	98.48
13	24.00 -	26.00	4	1.22	1.23	97.23	30. - 37.	1	0.30	98.78
14	26.00 -	28.00	5	1.52	1.54	98.77	38. - 46.	1	0.30	99.09
15	28.00 -	30.00	2	0.61	0.62	99.38	47. - 58.	0	0.00	99.09
16	30.00 -	32.00	1	0.30	0.31	99.69	59. - 74.	3	0.91	100.00
17	32.00 -	34.00	0	0.00	0.00	99.69	75. - 93.	0	0.00	100.00
18	34.00 -	36.00	0	0.00	0.00	99.69	94. - 117.	0	0.00	100.00
19	36.00 -	38.00	0	0.00	0.00	99.69	118. - 147.	0	0.00	100.00
20	38.00 -	40.00	1	0.30	0.31	100.00	148. - 186.	0	0.00	100.00
21	40.00 -	42.00	0	0.00	0.00	100.00	187. - 234.	0	0.00	100.00
22	42.00 -	44.00	0	0.00	0.00	100.00	235. - 295.	0	0.00	100.00
23	44.00 -	46.00	0	0.00	0.00	100.00	296. - 371.	0	0.00	100.00
24	46.00 -	48.00	0	0.00	0.00	100.00	372. - 467.	0	0.00	100.00
25	48.00 -	50.00	0	0.00	0.00	100.00	468. - 588.	0	0.00	100.00
26	50.00 -	52.00	0	0.00	0.00	100.00	589. - 741.	0	0.00	100.00
27	52.00 -	54.00	0	0.00	0.00	100.00	742. - 933.	0	0.00	100.00
28	54.00 -	56.00	0	0.00	0.00	100.00	934. - 1175.	0	0.00	100.00
29	56.00 -	58.00	0	0.00	0.00	100.00	1176. - 1478.	0	0.00	100.00
30	58.00 -	60.00	0	0.00	0.00	100.00	1479. - 2000.	0	0.00	100.00
31							> 2000.	0	0.00	100.00
TOTAL			325	99.09	100.00			328	100.00	

LIST OF DATA ABOVE MAXIMUM VALUE (60)

71.0 66.0 72.0

GNOME2

NUMBER OF VALUES IS 327 VARIABLE NAME IS: PB
 CALCULATED PARAMETERS: MEAN= 10.4709 STD.DEV.= 8.2591 VARIANCE= 68.2131 NO. VALUES USED= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-11.2093	0	0.0		*****
2	-9.1445	0	0.0		*****
3	-7.0797	0	0.0		*****
4	-5.0150	0	0.0		*****
5	-2.9502	0	0.0		*****
6	-0.8854	0	0.0		*****
7	1.1794	0	0.0		0.0717
8	3.2442	0	0.0		0.5111
9	5.3089	98	30.0	*****	0.7250
10	7.3737	36	11.0	*****	0.8677
11	9.4385	48	14.7	*****	0.9749
12	11.5033	35	10.7	*****	1.0608
13	13.5681	38	11.6	*****	1.1325
14	15.6328	22	6.7	*****	1.1940
15	17.6976	10	3.1	***	1.2479
16	19.7624	12	3.7	****	1.2958
17	21.8272	5	1.5	**	1.3390
18	23.8920	7	2.1	**	1.3783
19	25.9568	4	1.2	*	1.4143
20	28.0216	6	1.8	**	1.4475
21	30.0863	2	0.6	*	1.4784

LOG VALUES.....: MEAN= 0.9336 STD.DEV.= 0.2617 VARIANCE= 0.0685 NO. VALUES= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	0.2467	0	0.0		1.7648
2	0.3121	0	0.0		2.0518
3	0.3775	0	0.0		2.3853
4	0.4430	0	0.0		2.7731
5	0.5084	0	0.0		3.2239
6	0.5738	0	0.0		3.7480
7	0.6392	73	22.3	*****	4.3574
8	0.7046	25	7.6	*****	5.0658
9	0.7701	0	0.0		5.8893
10	0.8355	21	6.4	*****	6.8468
11	0.9009	15	4.6	*****	7.9599
12	0.9663	48	14.7	*****	9.2539
13	1.0317	22	6.7	*****	10.7584
14	1.0972	30	9.2	*****	12.5074
15	1.1626	33	10.1	*****	14.5408
16	1.2280	14	4.3	****	16.9048
17	1.2934	18	5.5	*****	19.6531
18	1.3589	11	3.4	***	22.8482
19	1.4243	6	1.8	**	26.5627
20	1.4897	7	2.1	**	30.8812
21	1.5551	0	0.0		35.9017

STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
PB	327	10.471	8.259	0.934	0.262

HISTOGRAM FOR ELEMENT ZN

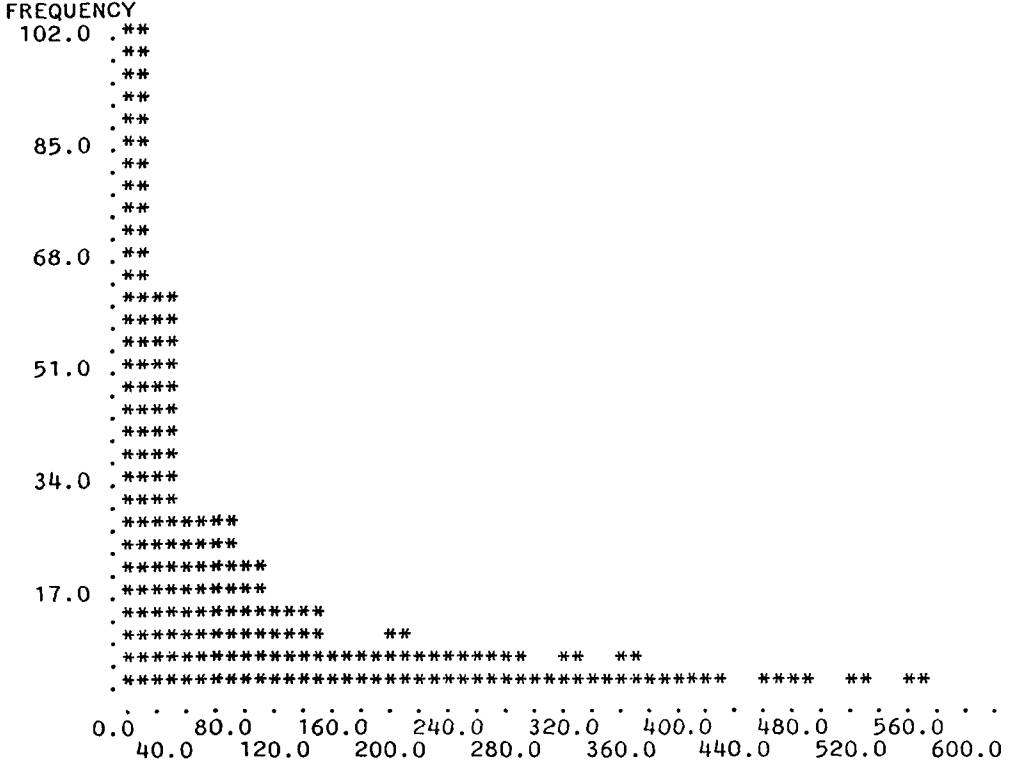


FIGURE : GNOME2

TOTAL NUMBER OF SAMPLES PLOTTED = 319 ELEMENT ZN
 NUMBER OF MISSING VALUES = 0
 SAMPLES ABOVE MAXIMUM = 9 PERCENT OF POPULATION = 2.74

MEAN OF SAMPLES = 85.56
 STANDARD DEVIATION = 105.88
 MEDIAN OF SAMPLES = 38.50

PERCENT (TOTAL NUMBER OF DATA) 328 ADJUSTED PERCENT (DATA USED IN HISTOGRAM) 319

CLASS	INTERVAL LOWER PT.	INTERVAL UPPER PT.	FREQUENCY	PERCENT	ADJUSTED PERCENT	CUMULATIVE PERCENT	CLASS INTERVAL	FREQUENCY	PERCENT	PERCENT
							<1.0	0	0.00	0.00
1	0.00 -	20.00	102	31.10	31.97	31.97	1. - 2.	0	0.00	0.00
2	20.00 -	40.00	58	17.68	18.18	50.16	2. - 3.	3	0.91	0.91
3	40.00 -	60.00	27	8.23	8.46	58.62	3. - 4.	7	2.13	3.05
4	60.00 -	80.00	27	8.23	8.46	67.08	4. - 5.	8	2.44	5.49
5	80.00 -	100.00	18	5.49	5.64	72.73	5. - 5.	8	2.44	7.93
6	100.00 -	120.00	12	3.66	3.76	76.49	6. - 7.	8	2.44	10.37
7	120.00 -	140.00	11	3.35	3.45	79.94	8. - 9.	15	4.57	14.94
8	140.00 -	160.00	6	1.83	1.88	81.82	10. - 11.	16	4.88	19.82
9	160.00 -	180.00	6	1.83	1.88	83.70	12. - 14.	18	5.49	25.30
10	180.00 -	200.00	7	2.13	2.19	85.89	15. - 18.	17	5.18	30.49
11	200.00 -	220.00	5	1.52	1.57	87.46	19. - 23.	16	4.88	35.37
12	220.00 -	240.00	5	1.52	1.57	89.03	24. - 29.	18	5.49	40.85
13	240.00 -	260.00	6	1.83	1.88	90.91	30. - 37.	22	6.71	47.56
14	260.00 -	280.00	5	1.52	1.57	92.48	38. - 46.	12	3.66	51.22
15	280.00 -	300.00	3	0.91	0.94	93.42	47. - 58.	18	5.49	56.71
16	300.00 -	320.00	5	1.52	1.57	94.98	59. - 74.	23	7.01	63.72
17	320.00 -	340.00	3	0.91	0.94	95.92	75. - 93.	19	5.79	69.51
18	340.00 -	360.00	4	1.22	1.25	97.18	94. - 117.	16	4.88	74.39
19	360.00 -	380.00	1	0.30	0.31	97.49	118. - 147.	14	4.27	78.66
20	380.00 -	400.00	2	0.61	0.63	98.12	148. - 186.	10	3.05	81.71
21	400.00 -	420.00	1	0.30	0.31	98.43	187. - 234.	15	4.57	86.28
22	420.00 -	440.00	0	0.00	0.00	98.43	235. - 295.	15	4.57	90.85
23	440.00 -	460.00	1	0.30	0.31	98.75	296. - 371.	12	3.66	94.51
24	460.00 -	480.00	1	0.30	0.31	99.06	372. - 467.	6	1.83	96.34
25	480.00 -	500.00	0	0.00	0.00	99.06	468. - 588.	3	0.91	97.26
26	500.00 -	520.00	2	0.61	0.63	99.69	589. - 741.	5	1.52	98.78
27	520.00 -	540.00	0	0.00	0.00	99.69	742. - 933.	1	0.30	99.09
28	540.00 -	560.00	1	0.30	0.31	100.00	934. - 1175.	1	0.30	99.39
29	560.00 -	580.00	0	0.00	0.00	100.00	1176. - 1478.	0	0.00	99.39
30	580.00 -	600.00	0	0.00	0.00	100.00	1479. - 2000.	0	0.00	99.39
31							> 2000.	2	0.61	100.00
TOTAL			319	97.26	100.00			328	100.00	

LIST OF DATA ABOVE MAXIMUM VALUE (600)

8770.0 697.0 907.0 679.0 2310.0 607.0 1070.0 669.0 602.0

GNOME2
 NUMBER OF VALUES IS 327 VARIABLE NAME IS: ZN
 CALCULATED PARAMETERS: MEAN= 133.2171 STD.DEV.= 514.9202 VARIANCE= 265142.6870 NO.VALUES USED= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-1218.4495	0	0.0		*****
2	-1089.7195	0	0.0		*****
3	-960.9895	0	0.0		*****
4	-832.2595	0	0.0		*****
5	-703.5295	0	0.0		*****
6	-574.7996	0	0.0		*****
7	-446.0696	0	0.0		*****
8	-317.3396	0	0.0		*****
9	-188.6096	0	0.0		*****
10	-59.8796	0	0.0		*****
11	68.8505	199	60.9	*****	1.8379
12	197.5805	74	22.6	*****	2.2957
13	326.3105	31	9.5	*****	2.5136
14	455.0408	10	3.1	***	2.6581
15	583.7710	4	1.2	*	2.7662
16	712.5012	5	1.5	**	2.8528
17	841.2314	0	0.0		2.9249
18	969.9617	1	0.3		2.9868
19	1098.6919	1	0.3		3.0409
20	1227.4221	0	0.0		3.0890
21	1356.1523	0	0.0		3.1323

LOG VALUES.....: MEAN= 1.6381 STD.DEV.= 0.6214 VARIANCE= 0.3861 NO. VALUES= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	0.0071	0	0.0		1.0164
2	0.1624	0	0.0		1.4535
3	0.3178	3	0.9	*	2.0785
4	0.4731	0	0.0		2.9723
5	0.6284	15	4.6	*****	4.2504
6	0.7838	14	4.3	****	6.0781
7	0.9391	10	3.1	***	8.6918
8	1.0944	28	8.6	*****	12.4293
9	1.2498	28	8.6	*****	17.7740
10	1.4051	27	8.3	*****	25.4169
11	1.5605	27	8.3	*****	36.3463
12	1.7158	25	7.6	*****	51.9755
13	1.8711	31	9.5	*****	74.3254
14	2.0265	26	8.0	*****	106.2858
15	2.1818	25	7.6	*****	151.9895
16	2.3372	18	5.5	*****	217.3460
17	2.4925	23	7.0	*****	310.8064
18	2.6478	13	4.0	****	444.4558
19	2.8032	7	2.1	**	635.5747
20	2.9585	4	1.2	*	908.8765
21	3.1138	1	0.3		1299.6997

STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
ZN	327	133.214	514.917	1.638	0.621

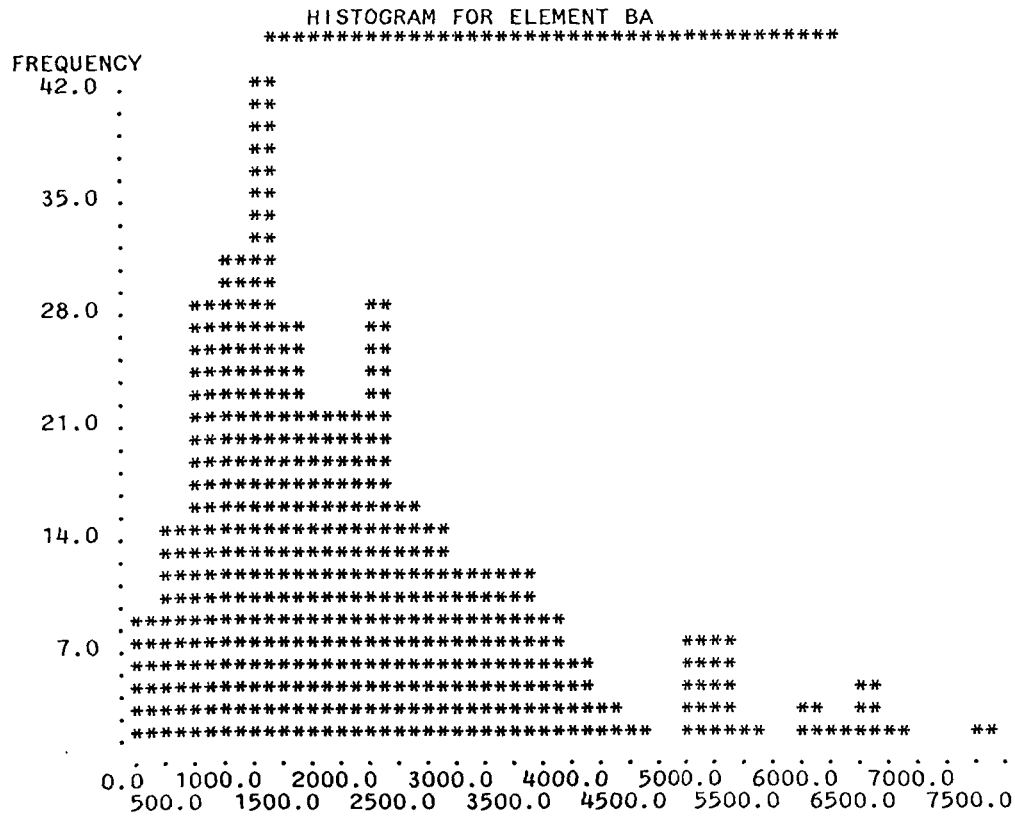


FIGURE : GNOME2

TOTAL NUMBER OF SAMPLES PLOTTED = 314 ELEMENT BA
 NUMBER OF MISSING VALUES = 0
 SAMPLES ABOVE MAXIMUM = 14 PERCENT OF POPULATION = 4.27

MEAN OF SAMPLES = 1962.54
 STANDARD DEVIATION = 1358.05
 MEDIAN OF SAMPLES = 1626.00

PERCENT (TOTAL NUMBER OF DATA) 328 ADJUSTED PERCENT (DATA USED IN HISTOGRAM) 314

CLASS	INTERVAL LOWER PT.	INTERVAL UPPER PT.	FREQUENCY	PERCENT	ADJUSTED PERCENT	CUMULATIVE PERCENT	CLASS INTERVAL	FREQUENCY	PERCENT	PERCENT
							<1.0	0	0.00	0.00
1	0.00 -	250.00	8	2.44	2.55	2.55	1. - 2.	0	0.00	0.00
2	250.00 -	500.00	14	4.27	4.46	7.01	2. - 3.	0	0.00	0.00
3	500.00 -	750.00	27	8.23	8.60	15.61	3. - 4.	0	0.00	0.00
4	750.00 -	1000.00	30	9.15	9.55	25.16	4. - 5.	0	0.00	0.00
5	1000.00 -	1250.00	42	12.80	13.38	38.54	5. - 5.	0	0.00	0.00
6	1250.00 -	1500.00	26	7.93	8.28	46.82	6. - 7.	0	0.00	0.00
7	1500.00 -	1750.00	20	6.10	6.37	53.18	8. - 9.	0	0.00	0.00
8	1750.00 -	2000.00	21	6.40	6.69	59.87	10. - 11.	0	0.00	0.00
9	2000.00 -	2250.00	27	8.23	8.60	68.47	12. - 14.	0	0.00	0.00
10	2250.00 -	2500.00	15	4.57	4.78	73.25	15. - 18.	0	0.00	0.00
11	2500.00 -	2750.00	14	4.27	4.46	77.71	19. - 23.	1	0.30	0.30
12	2750.00 -	3000.00	11	3.35	3.50	81.21	24. - 29.	0	0.00	0.30
13	3000.00 -	3250.00	11	3.35	3.50	84.71	30. - 37.	0	0.00	0.30
14	3250.00 -	3500.00	10	3.05	3.18	87.90	38. - 46.	0	0.00	0.30
15	3500.00 -	3750.00	8	2.44	2.55	90.45	47. - 58.	1	0.30	0.61
16	3750.00 -	4000.00	5	1.52	1.59	92.04	59. - 74.	0	0.00	0.61
17	4000.00 -	4250.00	2	0.61	0.64	92.68	75. - 93.	1	0.30	0.91
18	4250.00 -	4500.00	1	0.30	0.32	92.99	94. - 117.	0	0.00	0.91
19	4500.00 -	4750.00	0	0.00	0.00	92.99	118. - 147.	1	0.30	1.22
20	4750.00 -	5000.00	6	1.83	1.91	94.90	148. - 186.	1	0.30	1.52
21	5000.00 -	5250.00	7	2.13	2.23	97.13	187. - 234.	2	0.61	2.13
22	5250.00 -	5500.00	1	0.30	0.32	97.45	235. - 295.	2	0.61	2.74
23	5500.00 -	5750.00	0	0.00	0.00	97.45	296. - 371.	5	1.52	4.27
24	5750.00 -	6000.00	2	0.61	0.64	98.09	372. - 467.	8	2.44	6.71
25	6000.00 -	6250.00	1	0.30	0.32	98.41	468. - 588.	9	2.74	9.45
26	6250.00 -	6500.00	3	0.91	0.96	99.36	589. - 741.	17	5.18	14.63
27	6500.00 -	6750.00	1	0.30	0.32	99.68	742. - 933.	15	4.57	19.21
28	6750.00 -	7000.00	0	0.00	0.00	99.68	934. - 1175.	48	14.63	33.84
29	7000.00 -	7250.00	0	0.00	0.00	99.68	1176. - 1478.	36	10.98	44.82
30	7250.00 -	7500.00	1	0.30	0.32	100.00	1479. - 2000.	41	12.50	57.32
31							> 2000.	140	42.68	100.00
TOTAL			314	95.73	100.00			328	100.00	

LIST OF DATA ABOVE MAXIMUM VALUE (7500)

8844.0 7991.0 33710.0 13547.0 16505.0 14479.0 11960.0 11652.0134891.0133802.0
 105668.0115752.0 59064.0 53264.0

GNOME2
 NUMBER OF VALUES IS 327 VARIABLE NAME IS: BA
 CALCULATED PARAMETERS: MEAN= 4083.3760 STD.DEV.= 14179.0547 VARIANCE=***** NO.VALUES USED= 327

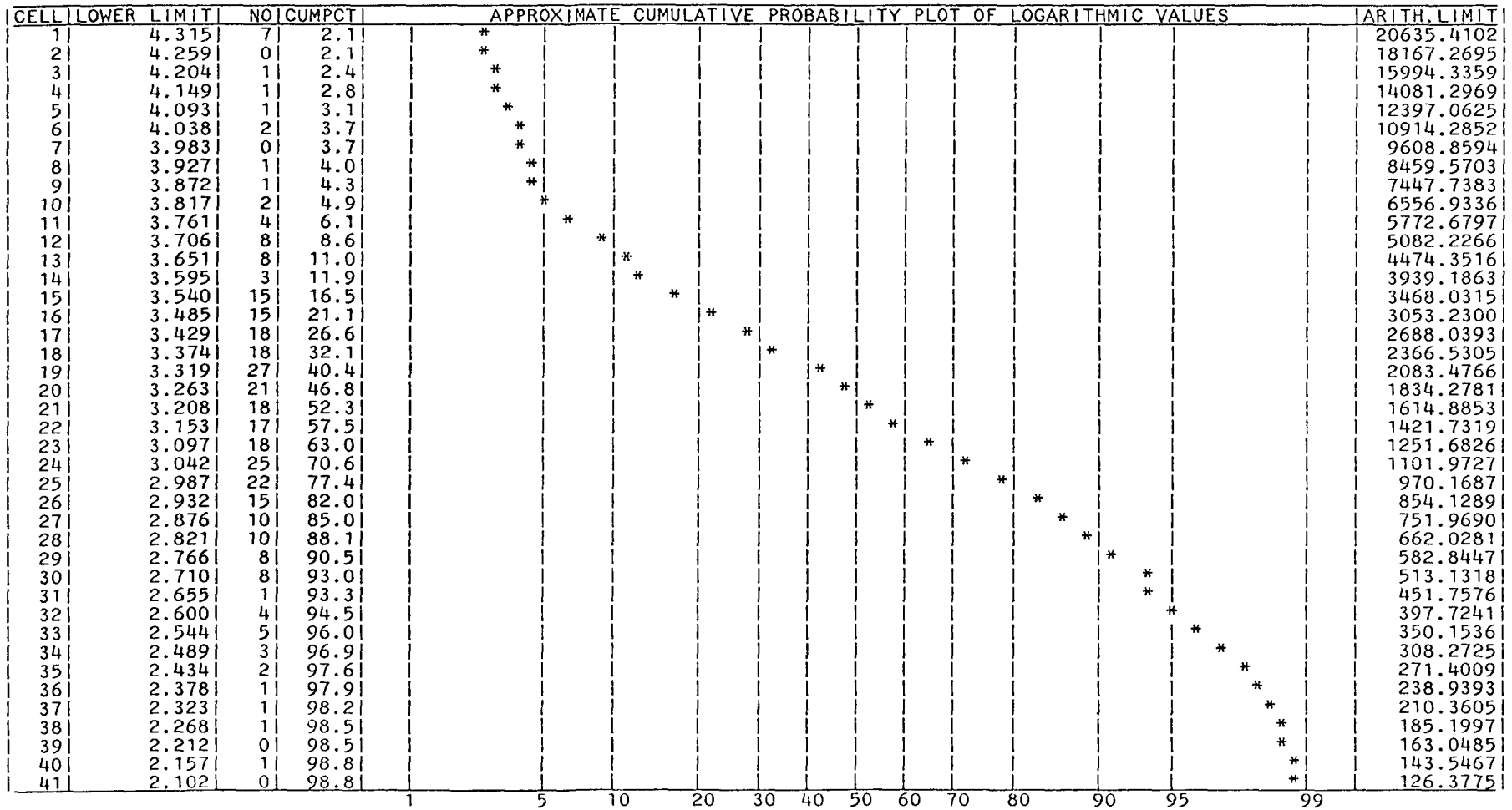
CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-33136.6445	0	0.0		*****
2	-29591.8828	0	0.0		*****
3	-26047.1211	0	0.0		*****
4	-22502.3594	0	0.0		*****
5	-18957.5977	0	0.0		*****
6	-15412.8359	0	0.0		*****
7	-11868.0742	0	0.0		*****
8	-8323.3125	0	0.0		*****
9	-4778.5508	0	0.0		*****
10	-1233.7891	0	0.0		*****
11	2310.9746	218	66.7	*****	3.3638
12	5855.7383	89	27.2	*****	3.7676
13	9400.5039	8	2.4	**	3.9732
14	12945.2695	2	0.6	*	4.1121
15	16490.0352	2	0.6	*	4.2172
16	20034.8008	1	0.3		4.3018
17	23579.5664	0	0.0		4.3725
18	27124.3320	0	0.0		4.4334
19	30669.0977	0	0.0		4.4867
20	34213.8633	1	0.3		4.5342
21	37758.6289	0	0.0		4.5770

LOG VALUES.....: MEAN= 3.2358 STD.DEV.= 0.4426 VARIANCE= 0.1959 NO. VALUES= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	2.0740	0	0.0		118.5841
2	2.1847	2	0.6	*	152.9934
3	2.2953	0	0.0		197.3871
4	2.4060	3	0.9	*	254.6627
5	2.5166	4	1.2	*	328.5576
6	2.6273	7	2.1	**	423.8943
7	2.7379	7	2.1	**	546.8948
8	2.8486	15	4.6	*****	705.5859
9	2.9592	21	6.4	*****	910.3242
10	3.0698	49	15.0	*****	1174.4719
11	3.1805	38	11.6	*****	1515.2659
12	3.2911	36	11.0	*****	1954.9470
13	3.4018	45	13.8	*****	2522.2092
14	3.5124	35	10.7	*****	3254.0730
15	3.6231	25	7.6	*****	4198.3008
16	3.7337	15	4.6	*****	5416.5156
17	3.8444	7	2.1	**	6988.2148
18	3.9550	3	0.9	*	9015.9687
19	4.0657	0	0.0		11632.1094
20	4.1763	4	1.2	*	15007.3711
21	4.2870	1	0.3		19362.0234

GNOME2

VARIABLE NAME IS: BA



STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
BA	327	4083.293	14179.043	3.236	0.443

HISTOGRAM FOR ELEMENT HG

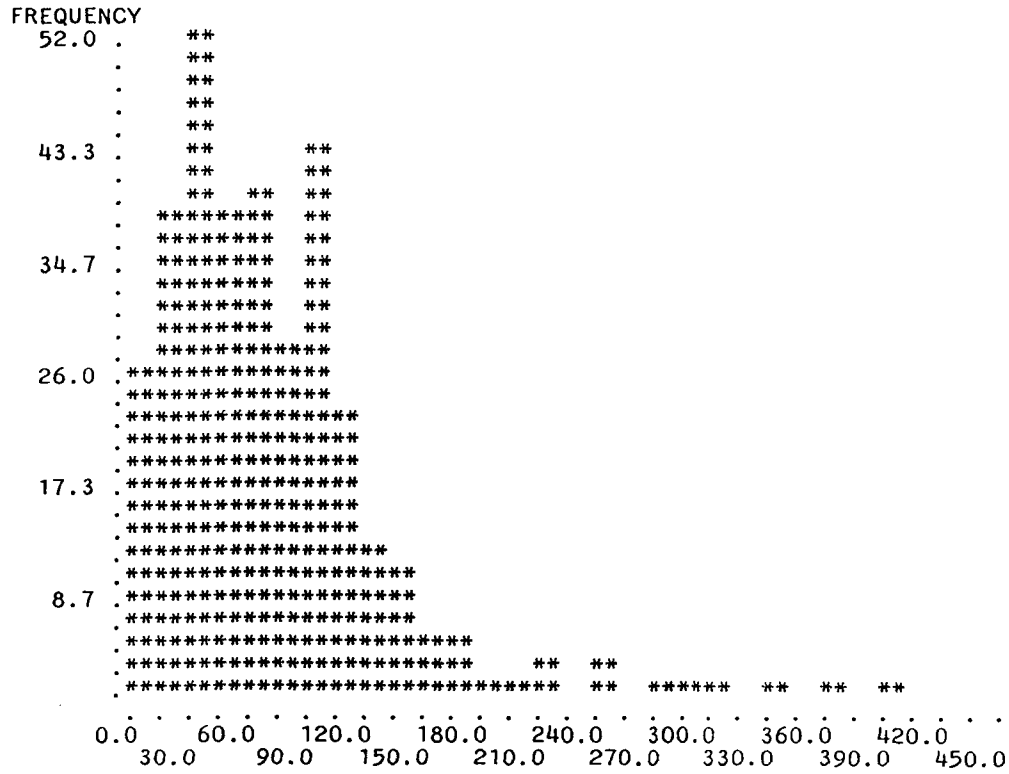


FIGURE : GNOME2

TOTAL NUMBER OF SAMPLES PLOTTED = 325 ELEMENT HG
 NUMBER OF MISSING VALUES = 0
 SAMPLES ABOVE MAXIMUM = 3 PERCENT OF POPULATION = 0.91

MEAN OF SAMPLES = 72.86
 STANDARD DEVIATION = 56.52
 MEDIAN OF SAMPLES = 61.00

PERCENT (TOTAL NUMBER OF DATA) 328 ADJUSTED PERCENT (DATA USED IN HISTOGRAM) 325

CLASS	INTERVAL LOWER PT.	INTERVAL UPPER PT.	FREQUENCY	PERCENT	ADJUSTED PERCENT	CUMULATIVE PERCENT	CLASS	INTERVAL	FREQUENCY	PERCENT	PERCENT	
								<1.0	0	0.00	0.00	
1	0.00 -	15.00	26	7.93	8.00	8.00	1. -	2.	0	0.00	0.00	
2	15.00 -	30.00	37	11.28	11.38	19.38	2. -	3.	0	0.00	0.00	
3	30.00 -	45.00	52	15.85	16.00	35.38	3. -	4.	0	0.00	0.00	
4	45.00 -	60.00	38	11.59	11.69	47.08	4. -	5.	0	0.00	0.00	
5	60.00 -	75.00	39	11.89	12.00	59.08	5. -	5.	0	0.00	0.00	
6	75.00 -	90.00	27	8.23	8.31	67.38	6. -	7.	0	0.00	0.00	
7	90.00 -	105.00	42	12.80	12.92	80.31	8. -	9.	0	0.00	0.00	
8	105.00 -	120.00	21	6.40	6.46	86.77	10. -	11.	16	4.88	4.88	
9	120.00 -	135.00	11	3.35	3.38	90.15	12. -	14.	10	3.05	7.93	
10	135.00 -	150.00	10	3.05	3.08	93.23	15. -	18.	8	2.44	10.37	
11	150.00 -	165.00	5	1.52	1.54	94.77	19. -	23.	11	3.35	13.72	
12	165.00 -	180.00	5	1.52	1.54	96.31	24. -	29.	18	5.49	19.21	
13	180.00 -	195.00	1	0.30	0.31	96.62	30. -	37.	30	9.15	28.35	
14	195.00 -	210.00	1	0.30	0.31	96.92	38. -	46.	30	9.15	37.50	
15	210.00 -	225.00	2	0.61	0.62	97.54	47. -	58.	30	9.15	46.65	
16	225.00 -	240.00	0	0.00	0.00	97.54	59. -	74.	39	11.89	58.54	
17	240.00 -	255.00	2	0.61	0.62	98.15	75. -	93.	39	11.89	70.43	
18	255.00 -	270.00	0	0.00	0.00	98.15	94. -	117.	50	15.24	85.67	
19	270.00 -	285.00	1	0.30	0.31	98.46	118. -	147.	22	6.71	92.38	
20	285.00 -	300.00	1	0.30	0.31	98.77	148. -	186.	10	3.05	95.43	
21	300.00 -	315.00	1	0.30	0.31	99.08	187. -	234.	4	1.22	96.65	
22	315.00 -	330.00	0	0.00	0.00	99.08	235. -	295.	4	1.22	97.87	
23	330.00 -	345.00	1	0.30	0.31	99.38	296. -	371.	3	0.91	98.78	
24	345.00 -	360.00	0	0.00	0.00	99.38	372. -	467.	1	0.30	99.09	
25	360.00 -	375.00	1	0.30	0.31	99.69	468. -	588.	1	0.30	99.39	
26	375.00 -	390.00	0	0.00	0.00	99.69	589. -	741.	1	0.30	99.69	
27	390.00 -	405.00	1	0.30	0.31	100.00	742. -	933.	1	0.30	100.00	
28	405.00 -	420.00	0	0.00	0.00	100.00	934. -	1175.	0	0.00	100.00	
29	420.00 -	435.00	0	0.00	0.00	100.00	1176. -	1478.	0	0.00	100.00	
30	435.00 -	450.00	0	0.00	0.00	100.00	1479. -	2000.	0	0.00	100.00	
31							>	2000.	0	0.00	100.00	
TOTAL			325	99.09	100.00		TOTAL			328	100.00	

LIST OF DATA ABOVE MAXIMUM VALUE (450)

870.0 710.0 520.0

GNOME2
 NUMBER OF VALUES IS 327 VARIABLE NAME IS: HG
 CALCULATED PARAMETERS: MEAN= 78.6055 STD.DEV.= 83.3628 VARIANCE= 6949.3555 NO.VALUES USED= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF ARITHMETIC VALUES	LOG LIMIT
1	-140.2219	0	0.0		*****
2	-119.3812	0	0.0		*****
3	-98.5405	0	0.0		*****
4	-77.6998	0	0.0		*****
5	-56.8591	0	0.0		*****
6	-36.0184	0	0.0		*****
7	-15.1777	0	0.0		*****
8	5.6630	0	0.0		0.7530
9	26.5037	61	18.7	*****	1.4233
10	47.3444	62	19.0	*****	1.6753
11	68.1851	51	15.6	*****	1.8337
12	89.0258	44	13.5	*****	1.9495
13	109.8665	50	15.3	*****	2.0409
14	130.7072	23	7.0	*****	2.1163
15	151.5479	12	3.7	****	2.1805
16	172.3885	9	2.8	***	2.2365
17	193.2292	1	0.3		2.2861
18	214.0699	3	0.9	*	2.3306
19	234.9106	0	0.0		2.3709
20	255.7513	2	0.6	*	2.4078
21	276.5920	0	0.0		2.4418

LOG VALUES.....: MEAN= 1.7510 STD.DEV.= 0.3569 VARIANCE= 0.1274 NO. VALUES= 327

CELL	LOWER LIMIT	NO	PCT	PERCENTAGE HISTOGRAM OF LOGARITHMIC VALUES	ARITH. LIMIT
1	0.8140	0	0.0		6.5169
2	0.9033	0	0.0		8.0034
3	0.9925	0	0.0		9.8288
4	1.0817	21	6.4	*****	12.0706
5	1.1710	5	1.5	**	14.8238
6	1.2602	8	2.4	**	18.2049
7	1.3494	11	3.4	***	22.3572
8	1.4386	16	4.9	*****	27.4567
9	1.5279	18	5.5	*****	33.7192
10	1.6171	26	8.0	*****	41.4102
11	1.7063	38	11.6	*****	50.8553
12	1.7956	20	6.1	*****	62.4548
13	1.8848	31	9.5	*****	76.7000
14	1.9740	42	12.8	*****	94.1944
15	2.0633	44	13.5	*****	115.6790
16	2.1525	20	6.1	*****	142.0640
17	2.2417	12	3.7	****	174.4671
18	2.3309	4	1.2	*	214.2610
19	2.4202	2	0.6	*	263.1313
20	2.5094	3	0.9	*	323.1487
21	2.5986	2	0.6	*	396.8555

GNOME2

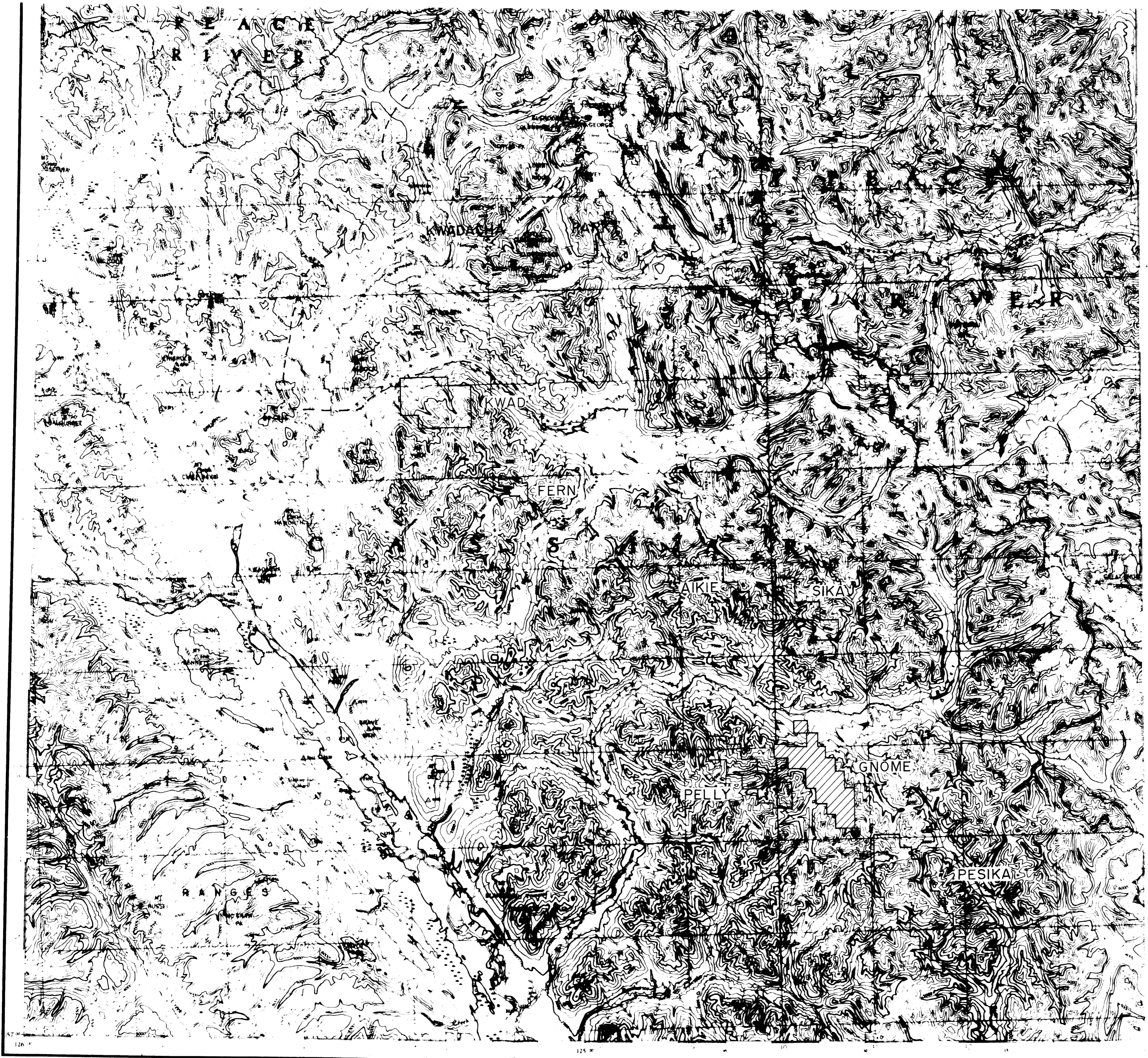
VARIABLE NAME IS: HG

CELL	LOWER LIMIT	NO	CUM PCT	APPROXIMATE CUMULATIVE PROBABILITY PLOT OF ARITHMETIC VALUES										LOG LIMIT			
1	281.796	8	2.4	*													2.4499
2	271.376	1	2.8	*													2.4336
3	260.955	0	2.8	*													2.4166
4	250.535	0	2.8	*													2.3989
5	240.115	2	3.4	*	*												2.3804
6	229.695	0	3.4	*	*												2.3612
7	219.274	0	3.4	*	*												2.3410
8	208.854	2	4.0	*	*												2.3198
9	198.434	1	4.3	*	*												2.2976
10	188.014	1	4.6	*	*												2.2742
11	177.594	0	4.6	*	*												2.2494
12	167.173	5	6.1	*	*	*											2.2232
13	156.753	1	6.4	*	*	*											2.1952
14	146.333	4	7.6	*	*	*	*										2.1653
15	135.913	6	9.5	*	*	*	*	*									2.1333
16	125.493	8	11.9	*	*	*	*	*	*								2.0986
17	115.072	8	14.4	*	*	*	*	*	*	*							2.0610
18	104.652	20	20.5	*	*	*	*	*	*	*	*						2.0197
19	94.232	24	27.8	*	*	*	*	*	*	*	*	*					1.9742
20	83.812	25	35.5	*	*	*	*	*	*	*	*	*	*				1.9233
21	73.392	23	42.5	*	*	*	*	*	*	*	*	*	*	*			1.8656
22	62.971	25	50.2	*	*	*	*	*	*	*	*	*	*	*	*		1.7991
23	52.551	19	56.0	*	*	*	*	*	*	*	*	*	*	*	*		1.7206
24	42.131	31	65.4	*	*	*	*	*	*	*	*	*	*	*	*	*	1.6246
25	31.711	37	76.8	*	*	*	*	*	*	*	*	*	*	*	*	*	1.5012
26	21.290	32	86.5	*	*	*	*	*	*	*	*	*	*	*	*	*	1.3282
27	10.870	28	95.1	*	*	*	*	*	*	*	*	*	*	*	*	*	1.0362
28	0.450	16	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	-0.3467
29	-9.970	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
30	-20.390	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
31	-30.811	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
32	-41.231	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
33	-51.651	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
34	-62.071	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
35	-72.491	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
36	-82.912	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
37	-93.332	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
38	-103.752	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
39	-114.172	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
40	-124.592	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****
41	-135.012	0	100.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*****

1 5 10 20 30 40 50 60 70 80 90 95 99

STATISTICAL SUMMARY

NAME	NO. OF VALUES	ARITHMETIC		LOGARITHMIC	
		MEAN	STD. DEV.	MEAN	STD. DEV.
HG	327	78.602	83.362	1.751	0.357



EXPLANATION OF THE COMPASS SHEET

WARE

BRITISH COLUMBIA

Scale 1:250,000
1 inch = 4 Miles Approximately

REFERENCE

1	2	3	4	5	6	7	8	9	10



REFERENCE

1	2	3	4	5	6	7	8	9	10

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

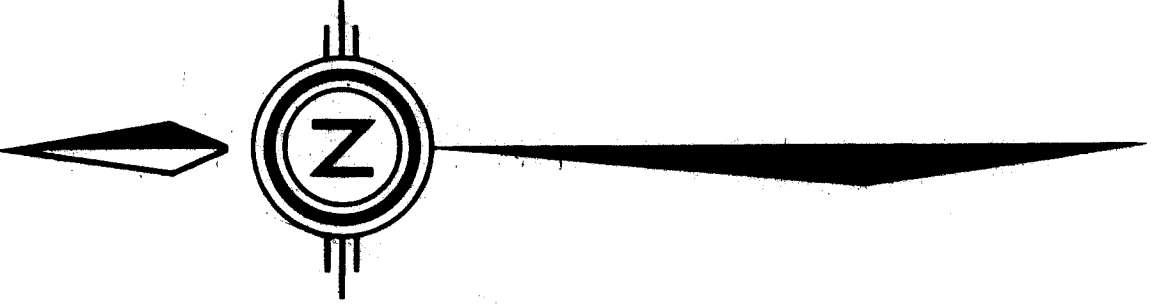
14,610

AIKIE PROPERTIES - 1980				94/7E,2E		
Drawn by:	Traced by:		GNOME GROUP LOCATION MAP			
Revised by	Date	Revised by				Date
H.P.	JAN. 1986					
Scale: 1:250,000		Date: October, 1980		Plate: 1 85-1		

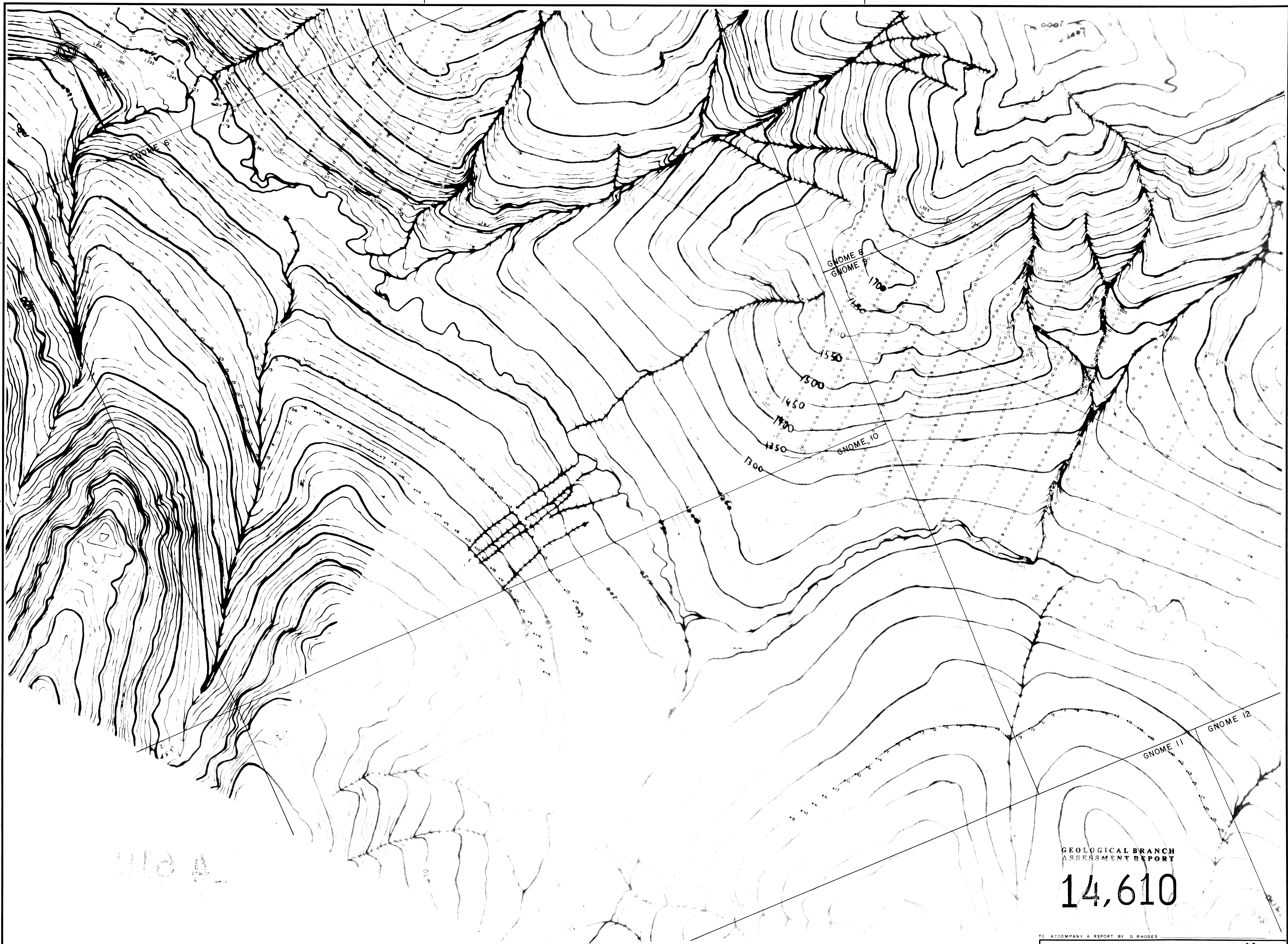


GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,610



GNOME PROPERTY		94F 7E/2E	
Drawn by: VK	Traced by:		
Revised by: H.P.	Date: JAN. 1986	Revised by:	Date:
		CLAIM GROUP BOUNDARIES	
Scale: 1:15,000	Date: OCTOBER, 1981	Plate: 2	85-2



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,610

LEGEND
• SOIL GEOCHEMISTRY LEAD (ppm)
1985 SAMPLE AND LOCATION



TO ACCOMPANY A REPORT BY D. RHODES

AIKIE PROPERTIES - 1985 NTS
94F2, 7

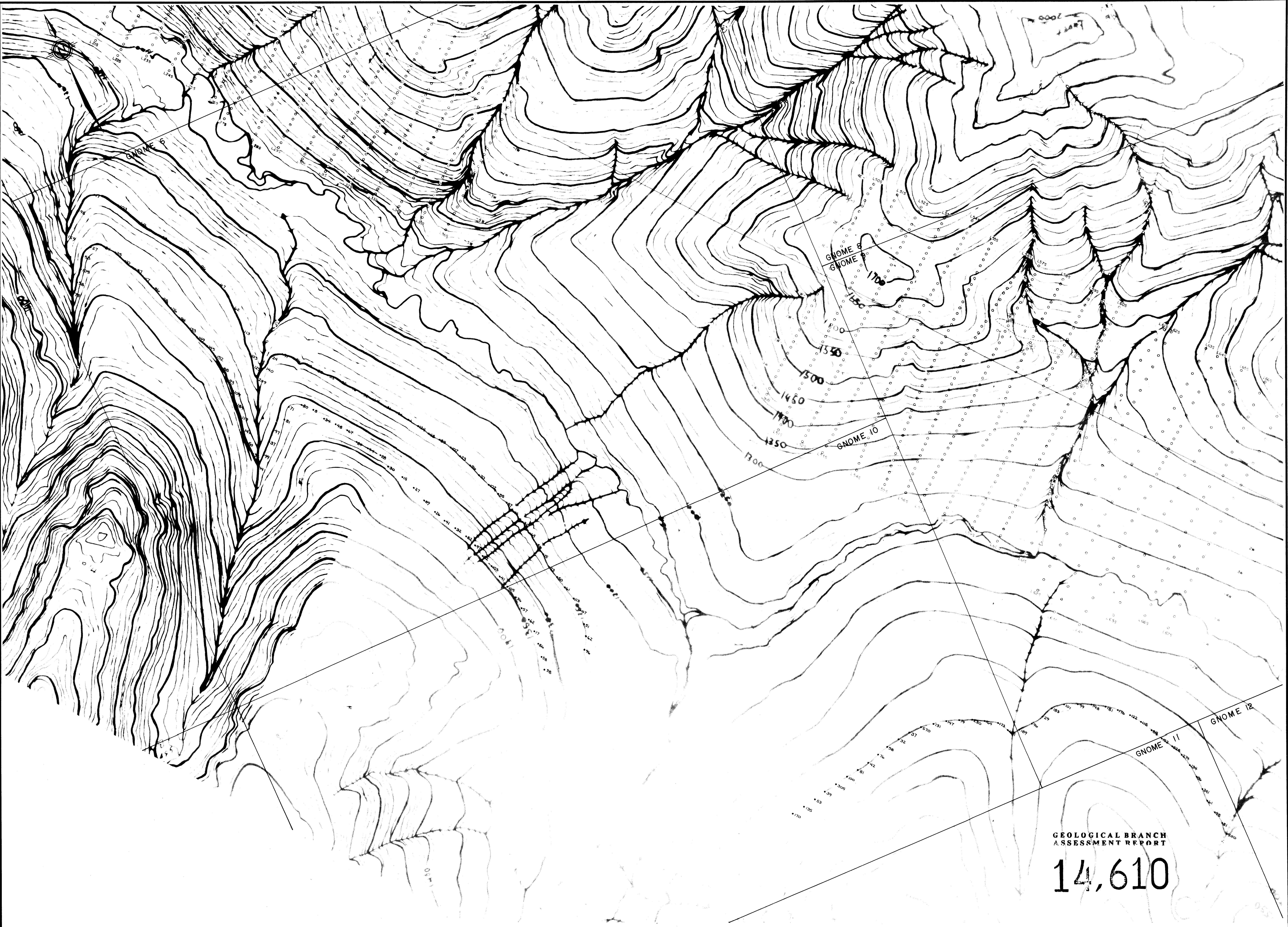
Drawn by:	Traced by:

GNOME CLAIMS

LEAD (ppm) SOIL GEOCHEMISTRY

OMINECA M.D., B.C.

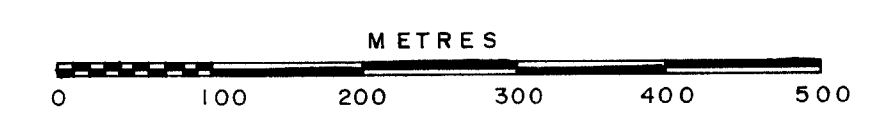
Scale: 1:5000 Date: NOV., 1985 Plate: 85-3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,610

LEGEND
 *103 SOIL GEOCHEMISTRY ZINC (ppm)
 1985 SAMPLE AND LOCATION



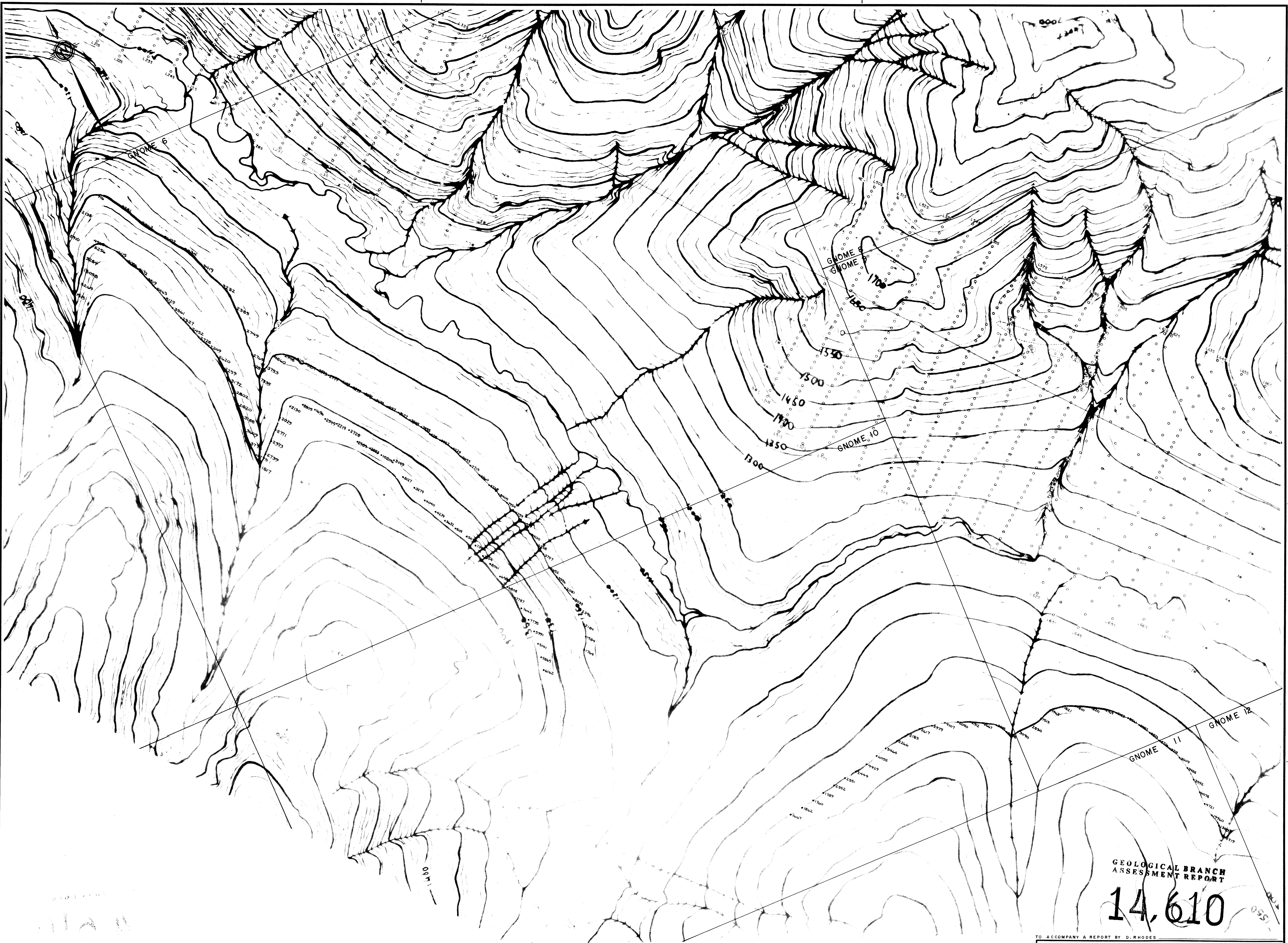
TO ACCOMPANY A REPORT BY D. RHODES

AIKIE PROPERTIES—1985 NTS
94F2, 7

Drawn by:	Traced by:
Revised by:	Revised by:

GNOME CLAIMS
ZINC (ppm) SOIL GEOCHEMISTRY
OMINECA M.D., B.C.

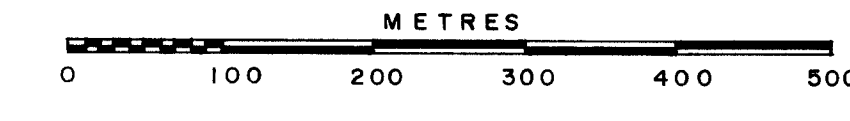
Scale: 1:5000 Date: NOV., 1985 Plate: 85-4



GEOLOGICAL BRANCH
ASSESSMENT REPORT

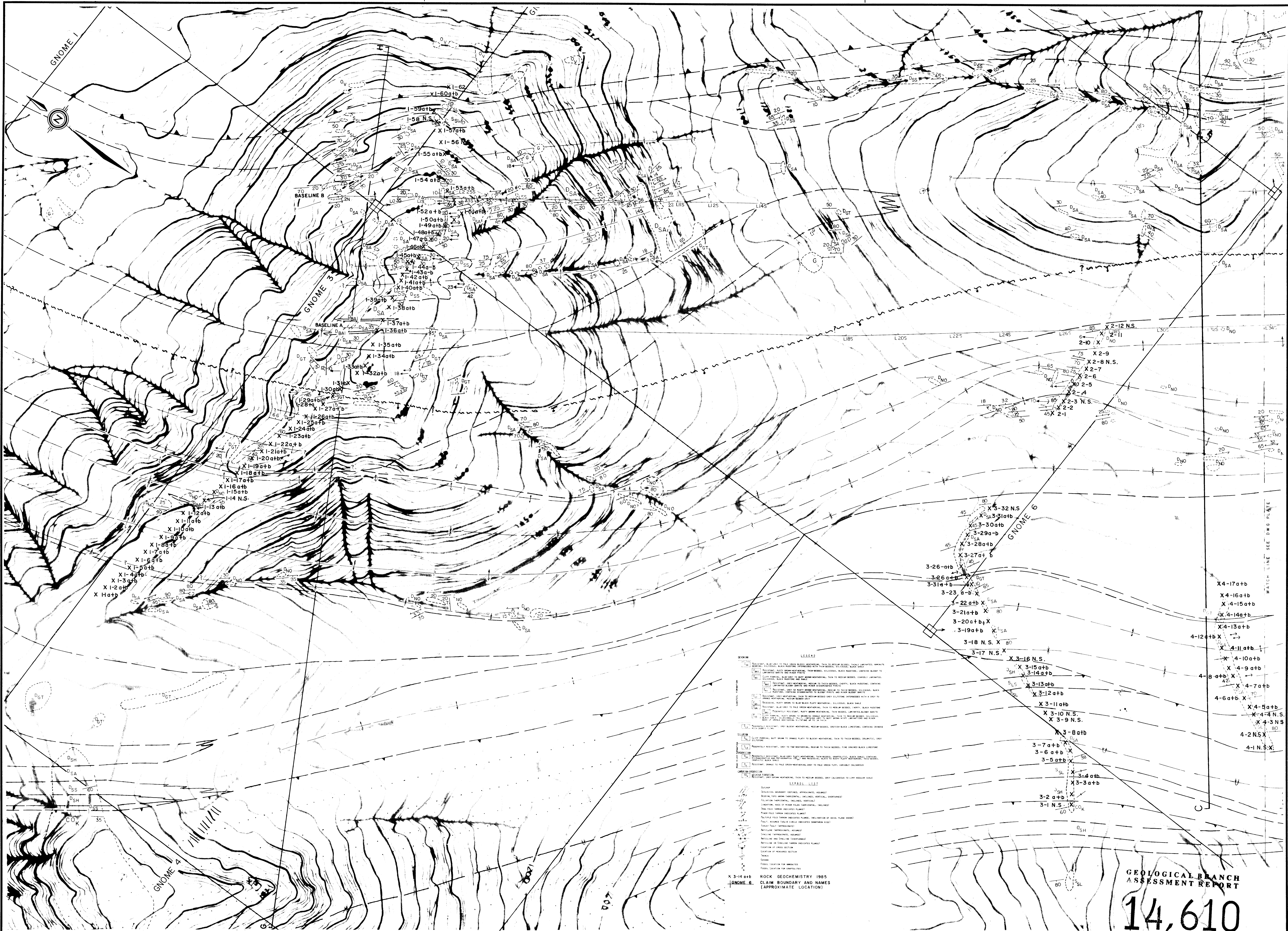
14,610

LEGEND
-5141 SOIL GEOCHEMISTRY BARIUM (ppm)
1985 SAMPLE AND LOCATION



TO ACCOMPANY A REPORT BY D. RHODES

AIKIE PROPERTIES -1985		NTS 94F 2,7
Drawn by:	Traced by:	GNOME CLAIMS
Revised by:	Revised by:	
BARIUM (ppm) SOIL GEOCHEMISTRY		OMINECA M.D., B.C.
Scale: 1:5000	Date: NOV., 1985	



LEGEND

BOUNDARY

CLAIM

ROCK GEOCHEMISTRY 1985

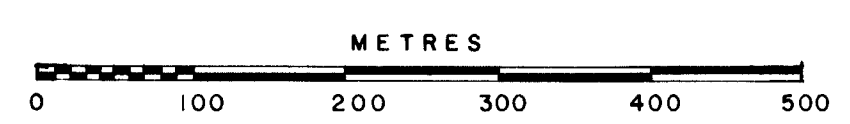
CLAIM BOUNDARY AND NAMES

(APPROXIMATE LOCATION)

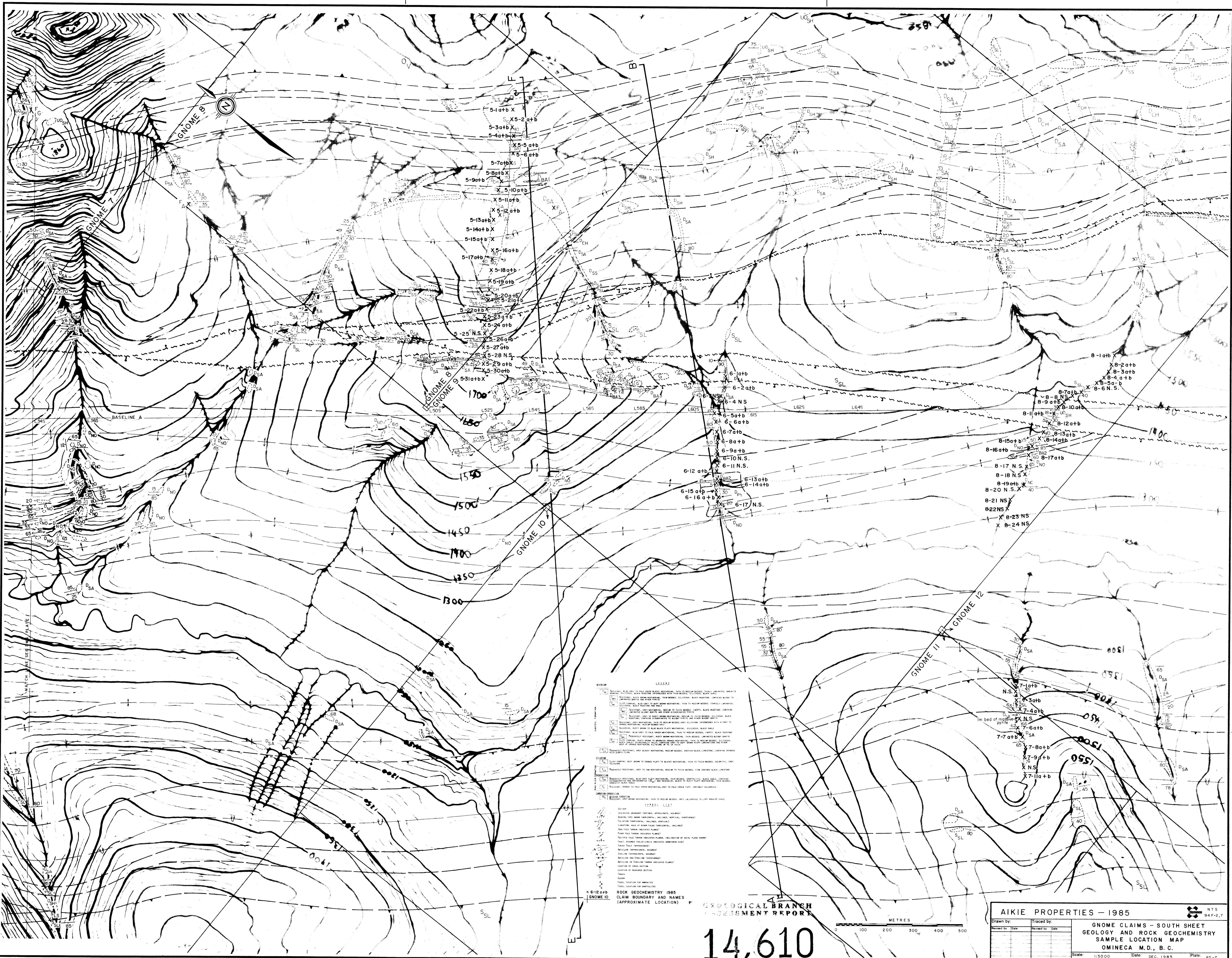
X 3-14 a+b
GNOME 6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,610

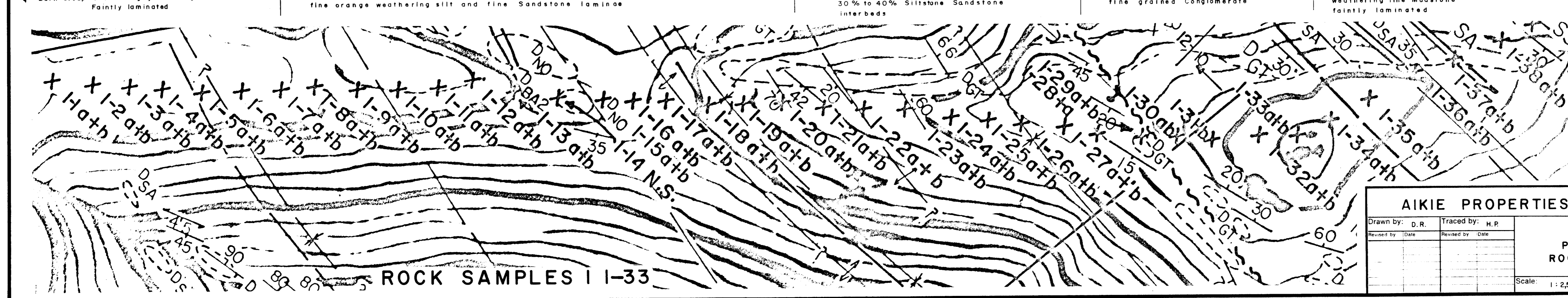
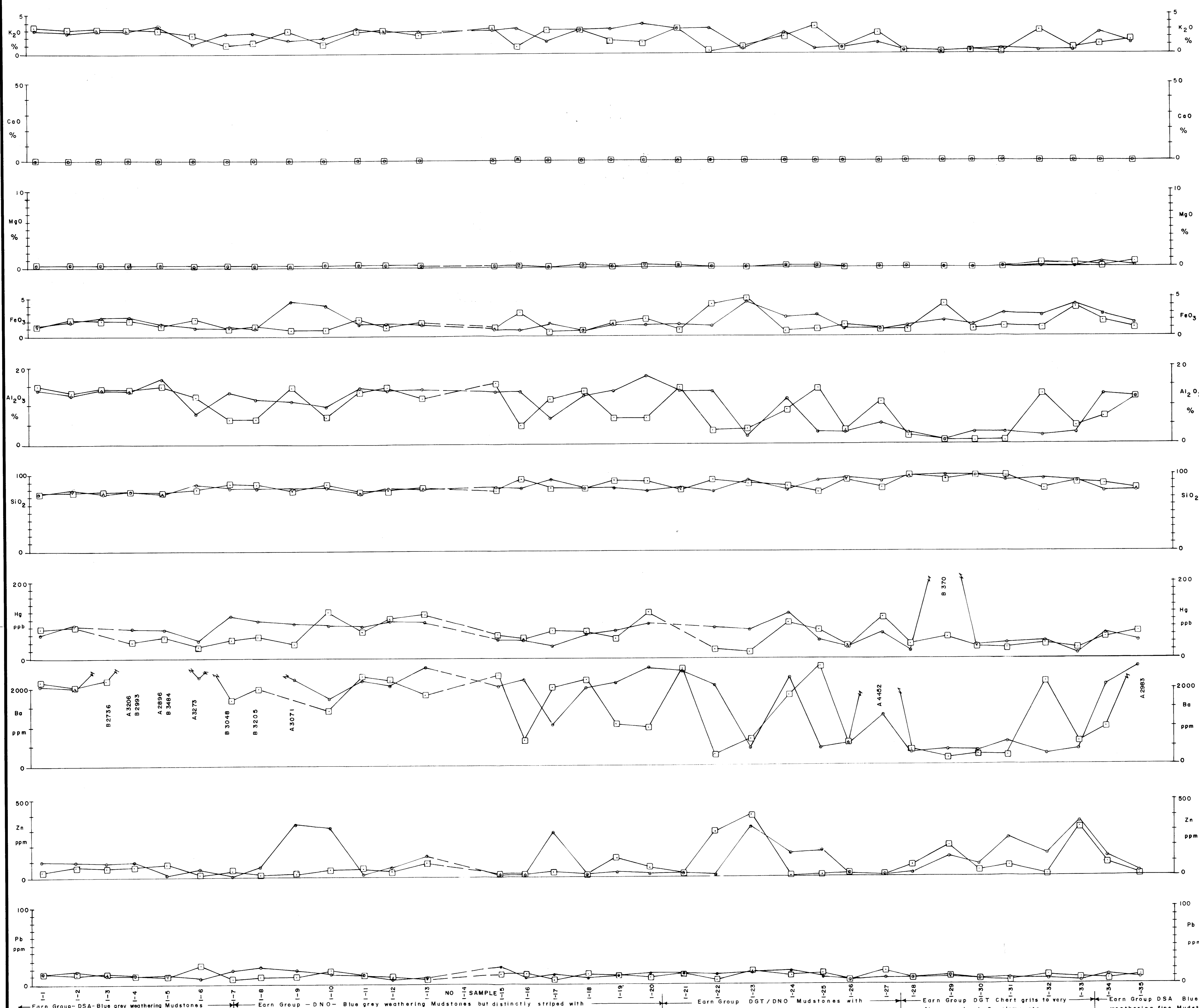


AIKIE PROPERTIES 1985		GNOME CLAIMS - NORTH SHEET	
Drawn by:	Traced by:	GEOLOGY AND ROCK GEOCHEMISTRY	
Revised by:	Revised by:	SAMPLE LOCATION MAP	
		OMINECA M.D., B.C.	
Scale: 1:5000		Date: DEC. 1985	Plate: 85-6



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,610



SECTION A
 □ SAMPLE A
 ○ SAMPLE B
 △ SAMPLE C
 ⊙ SAMPLE D
 --- AREA WHERE NO SAMPLES WERE TAKEN

PLAN
 X1-27a+b SAMPLE NUMBER AND LOCATION

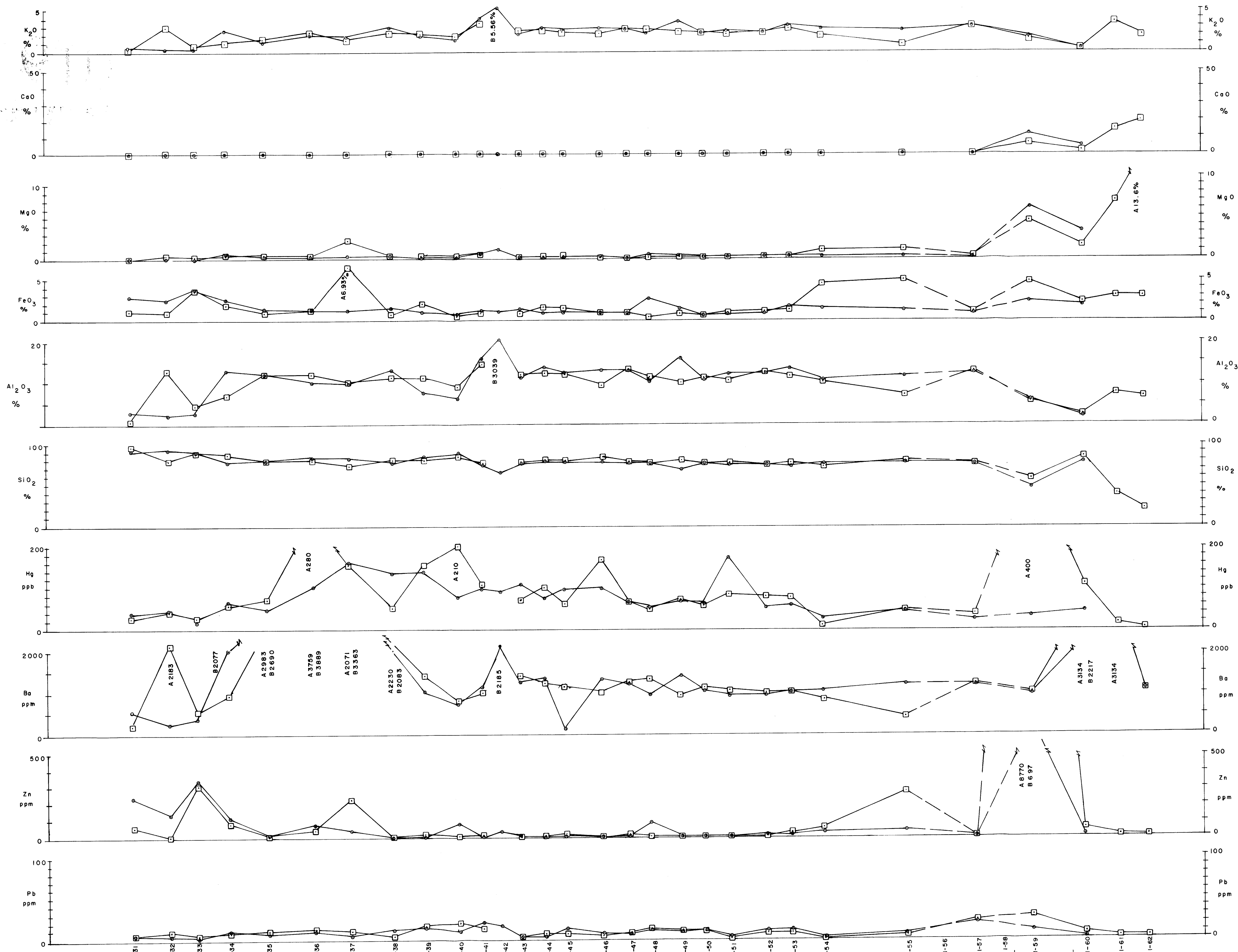
METRES
 0 50 100 150 200

AIKIE PROPERTIES - 1985

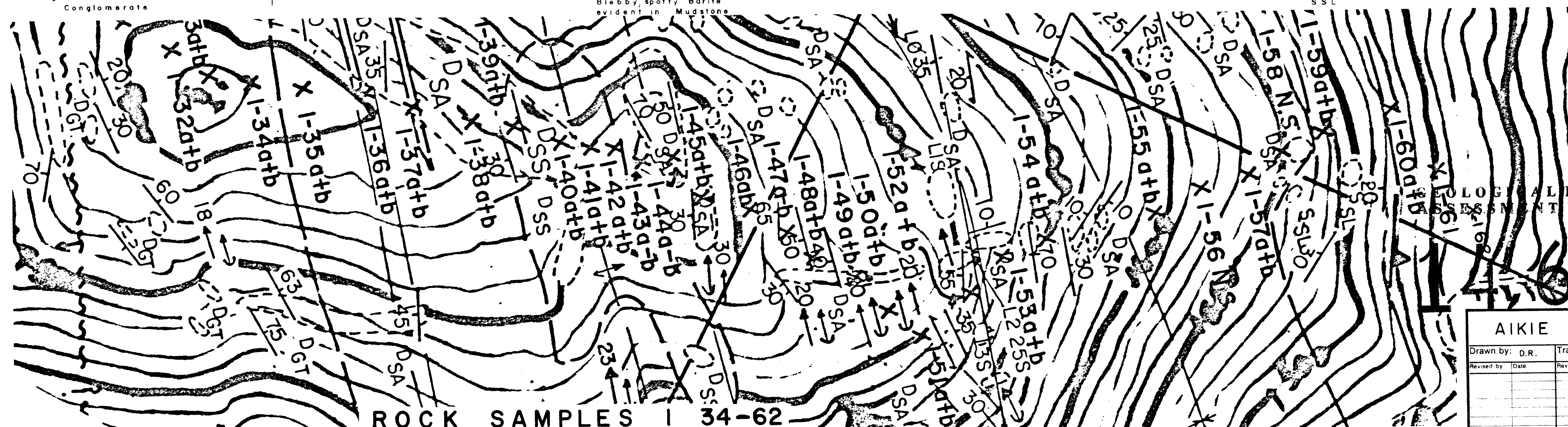
Drawn by: D.R. Traced by: H.P.
 Revised by: Date: Revised by: Date:

**GNOME CLAIMS
 PLAN AND PROFILES OF
 ROCK GEOCHEMISTRY SAMPLES I
 OMINECA M.D., B.C.**

Scale: 1:2500 Date: DEC. 1985 Plate: 85-8



Earn Group DGT coarse Chert Sandstone to grits some fine Chert pebble Conglomerate | Earn Group DSA Blue grey weathering, fine grained Mudstone | Orange weathering Silurian Siltstone | Orange weathering Ordovician Volcanics



SECTION A
 □ SAMPLE A
 ○ SAMPLE B
 △ SAMPLE C
 ◇ SAMPLE D
 - - - AREA WHERE NO SAMPLES WERE TAKEN

PLAN
 X 1-49a+b
 SAMPLE NUMBER AND LOCATION



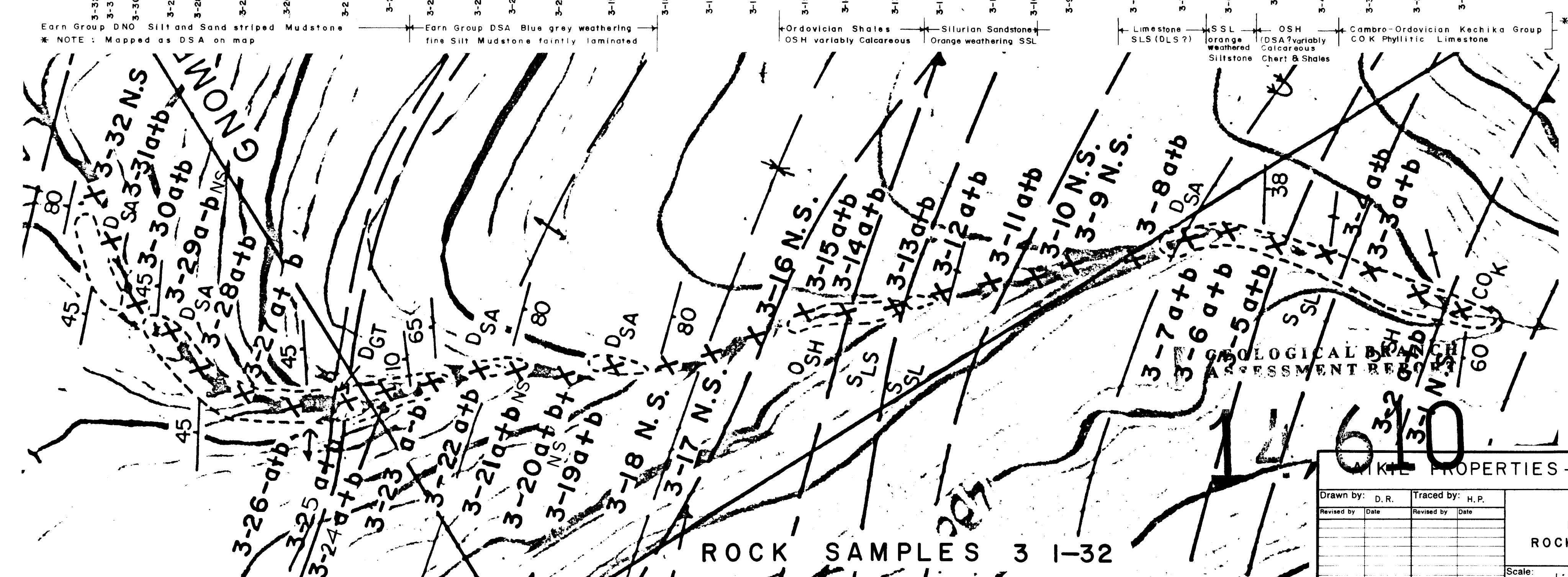
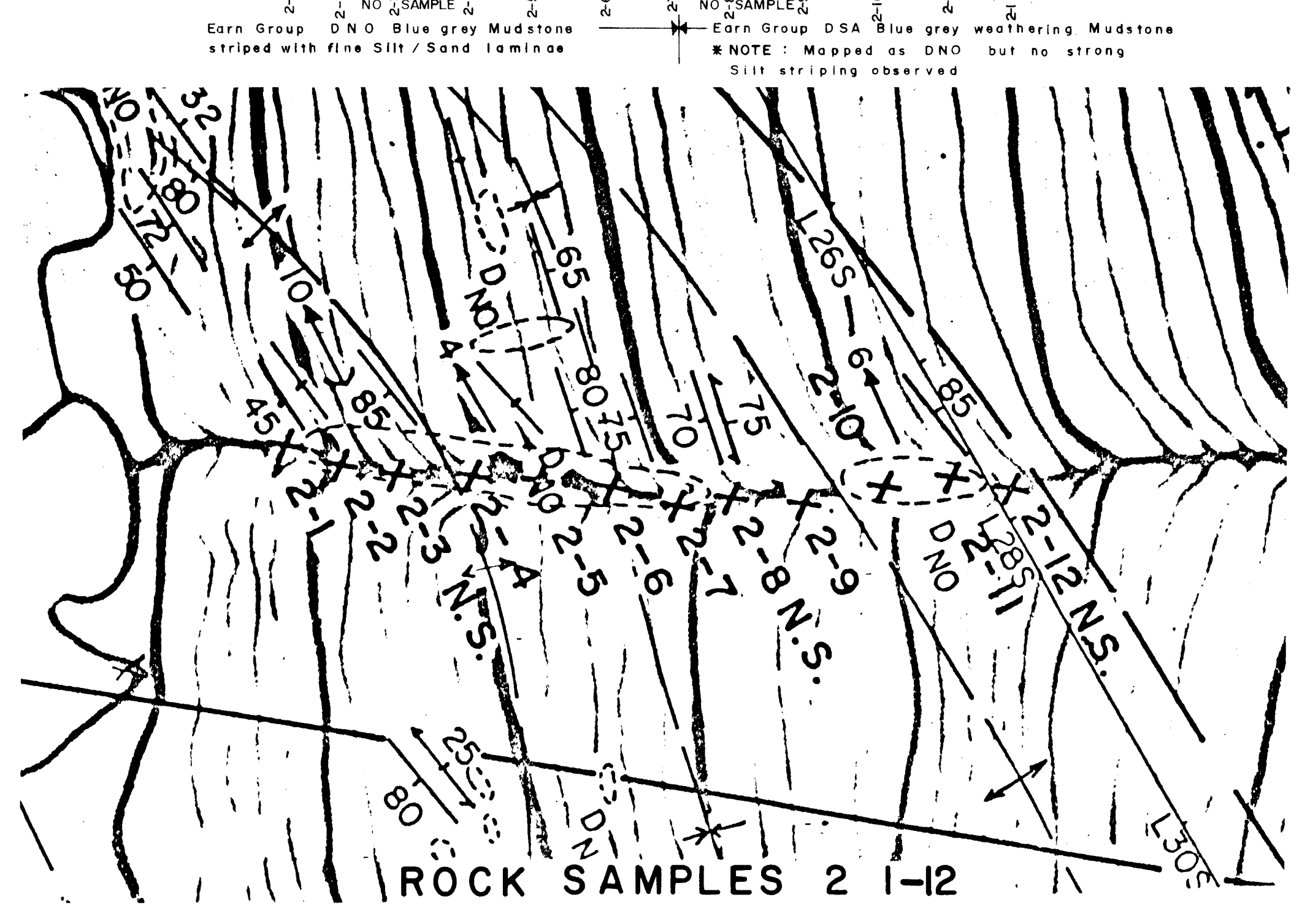
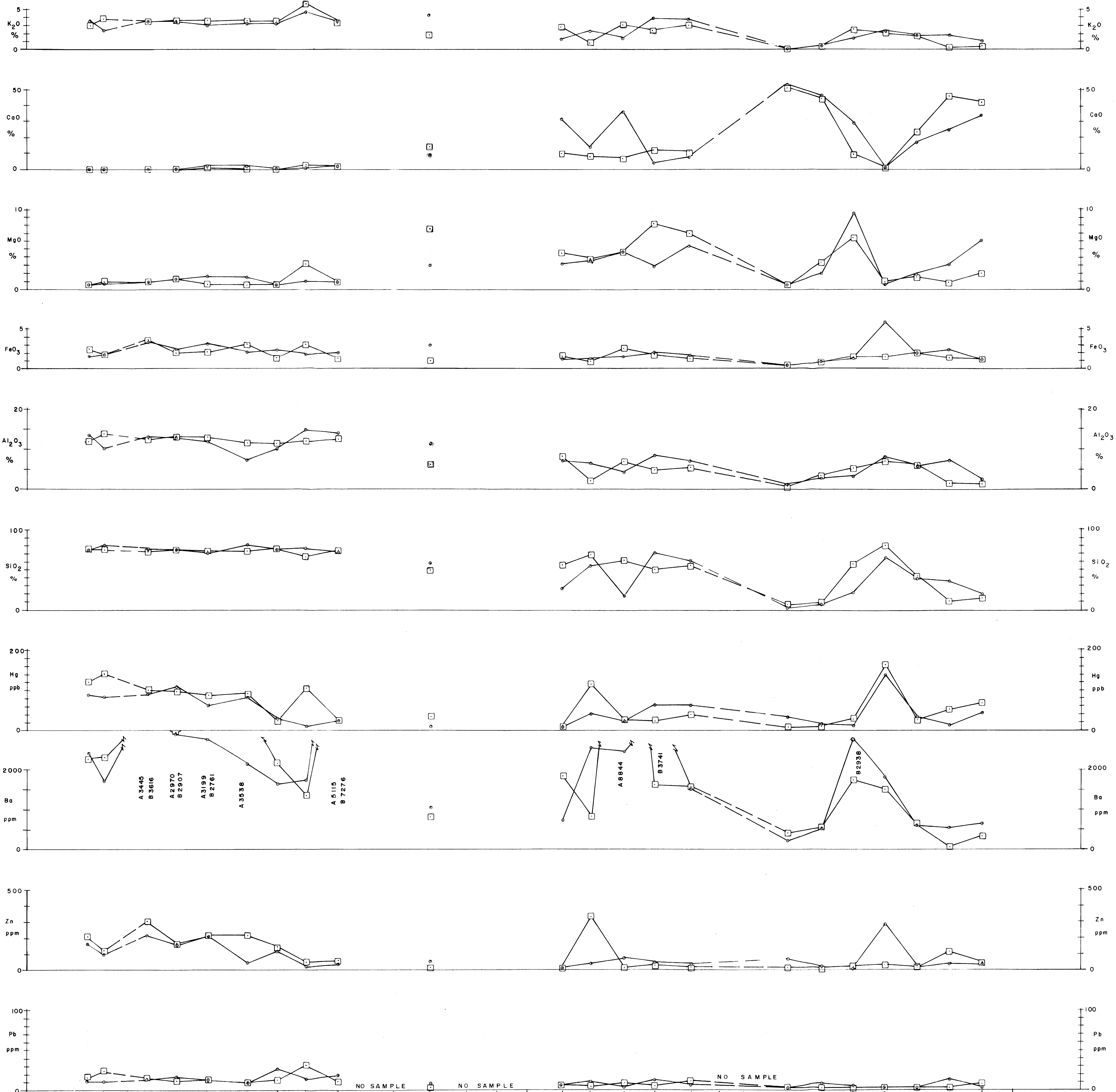
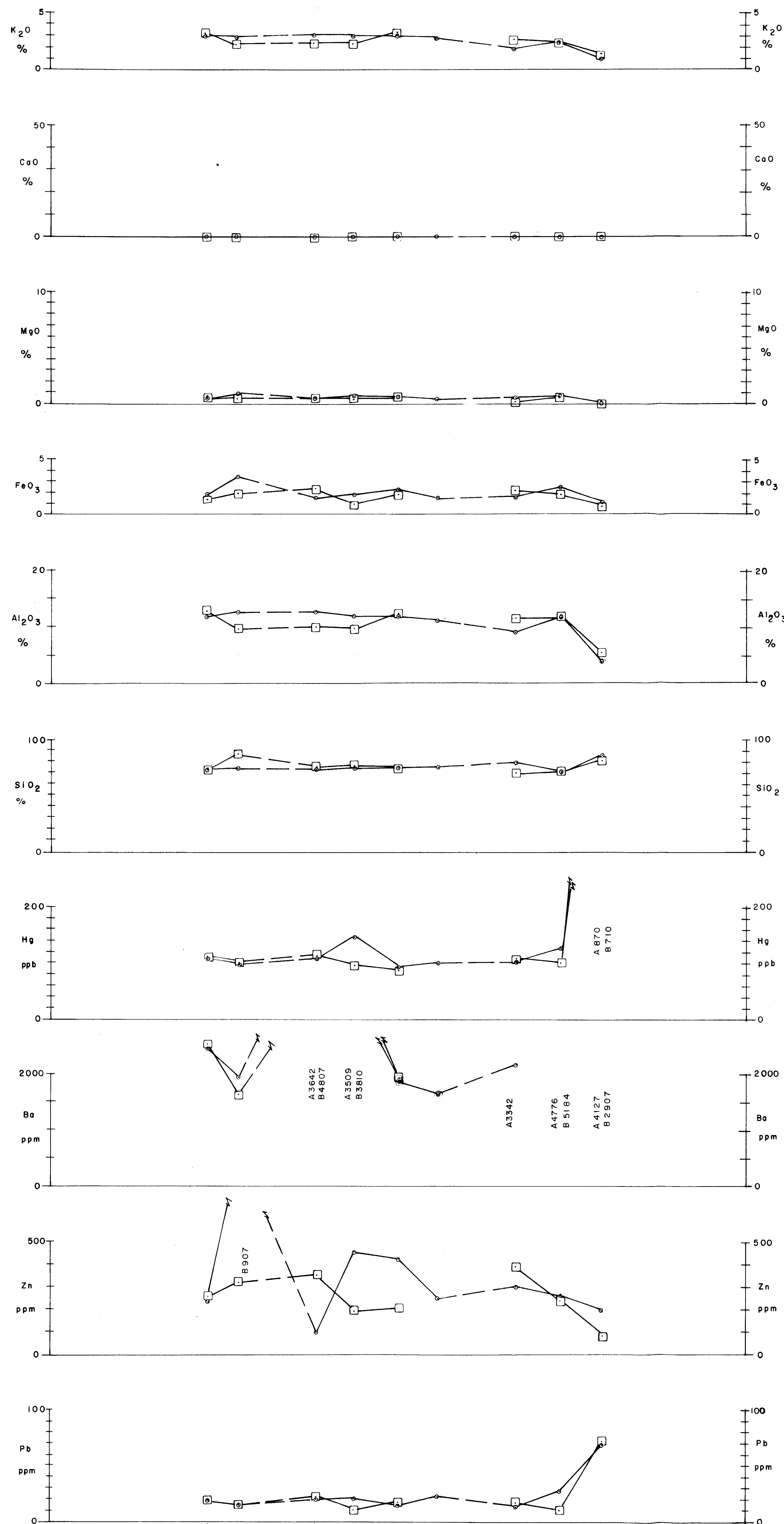
AIKIE PROPERTIES - 1985

Drawn by: D.R. Traced by: H.P.
 Revised by: [] Date: [] Revised by: [] Date: []

**GNOME CLAIMS
 PLAN AND PROFILES
 OF ROCK GEOCHEMISTRY SAMPLES I
 OMINECA M.D., B.C.**

Scale: 1:2500 Date: DEC. 1985 Plate: 85-9

ROCK SAMPLES 1 34-62



SECTION A

- SAMPLE A
- SAMPLE B
- △ SAMPLE C
- ◇ SAMPLE D
- AREA WHERE NO SAMPLES WERE TAKEN

PLAN

X 3-28 atb SAMPLE NUMBER AND LOCATION

0 50 100 150 200 METRES

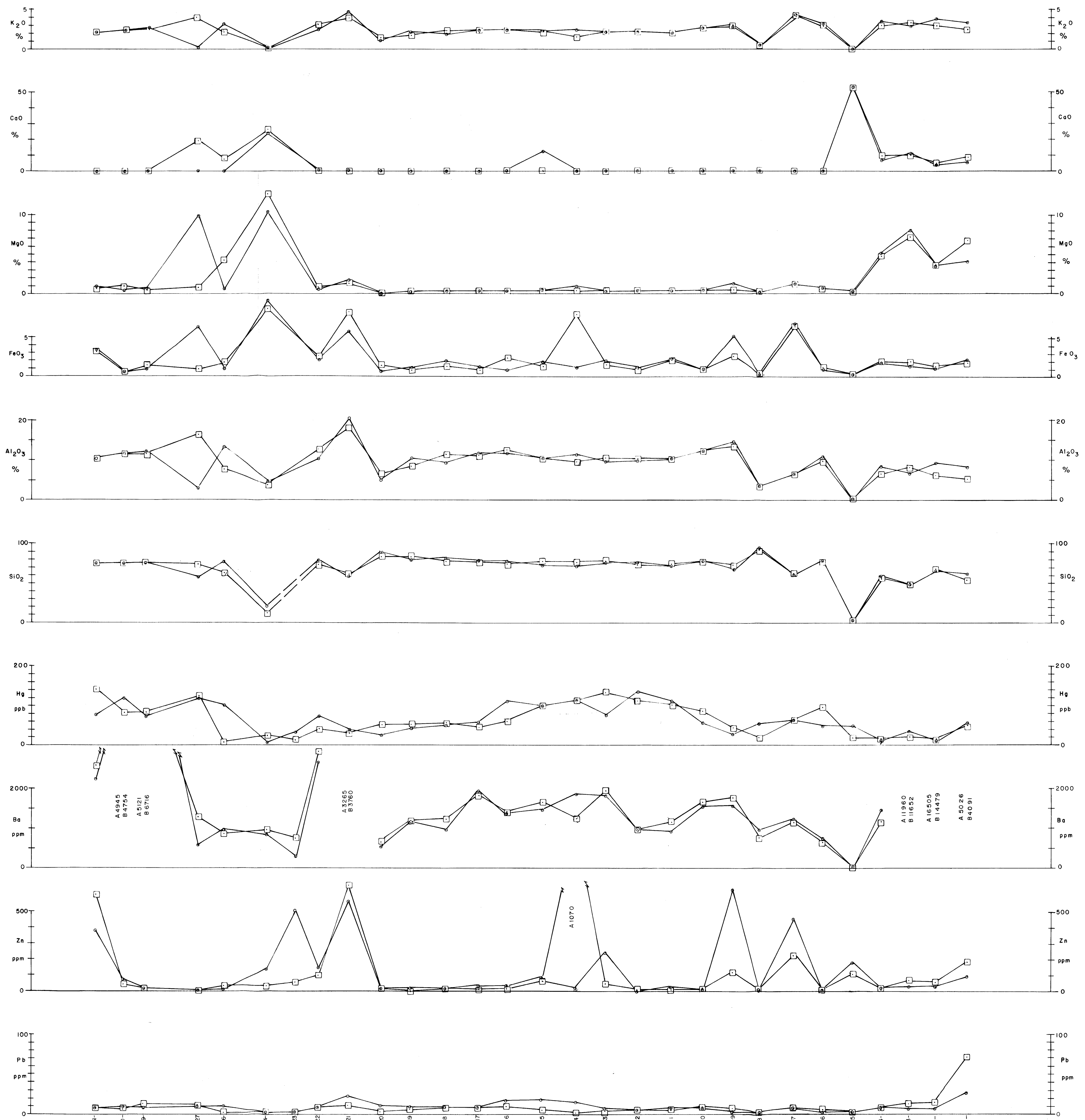
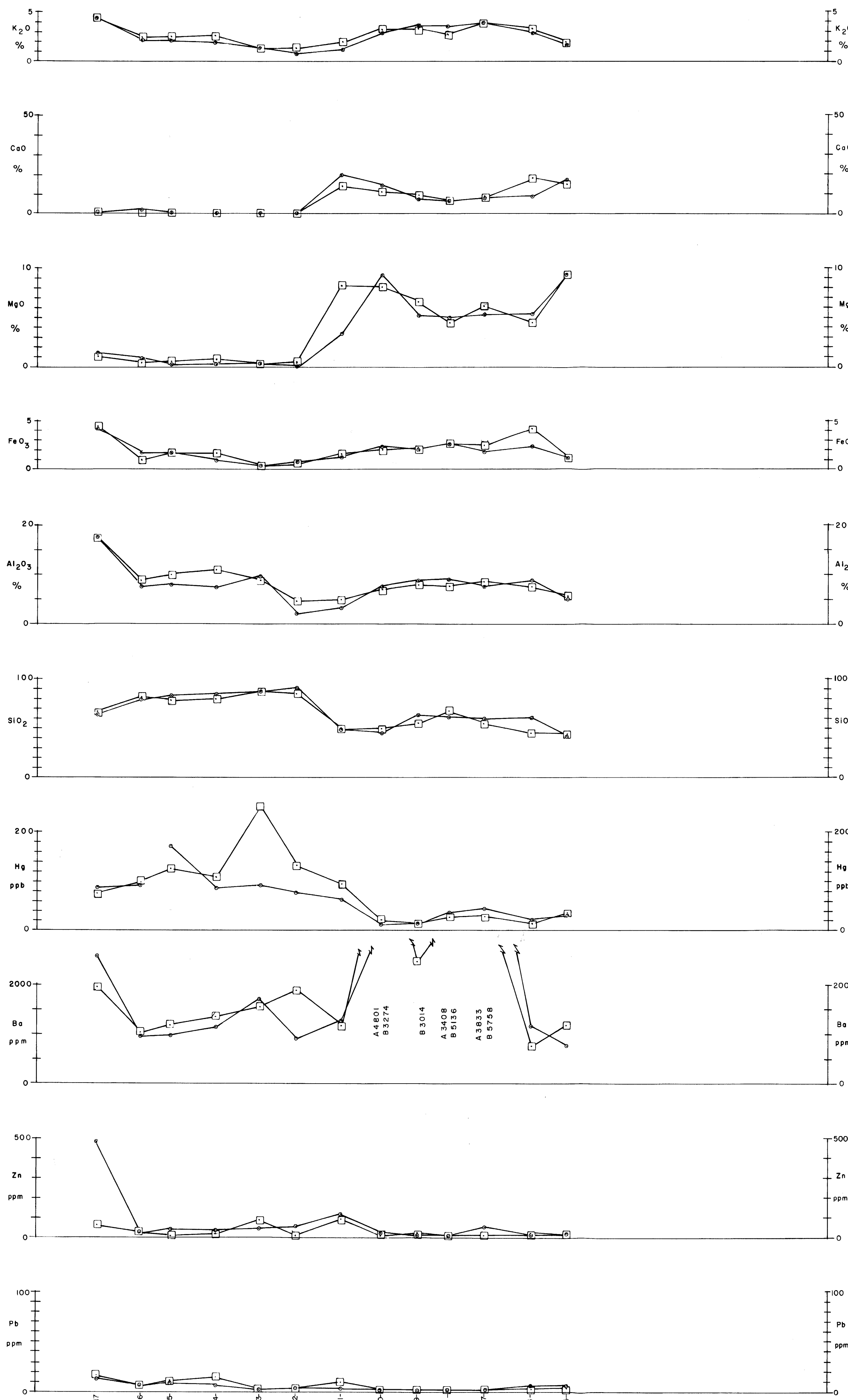
KT PROPERTIES — 1985

NTS 94F-2,7

GNOME CLAIMS
PLAN AND PROFILES OF
ROCK GEOCHEMISTRY SAMPLES 2,3
OMNECA M.D., B.C.

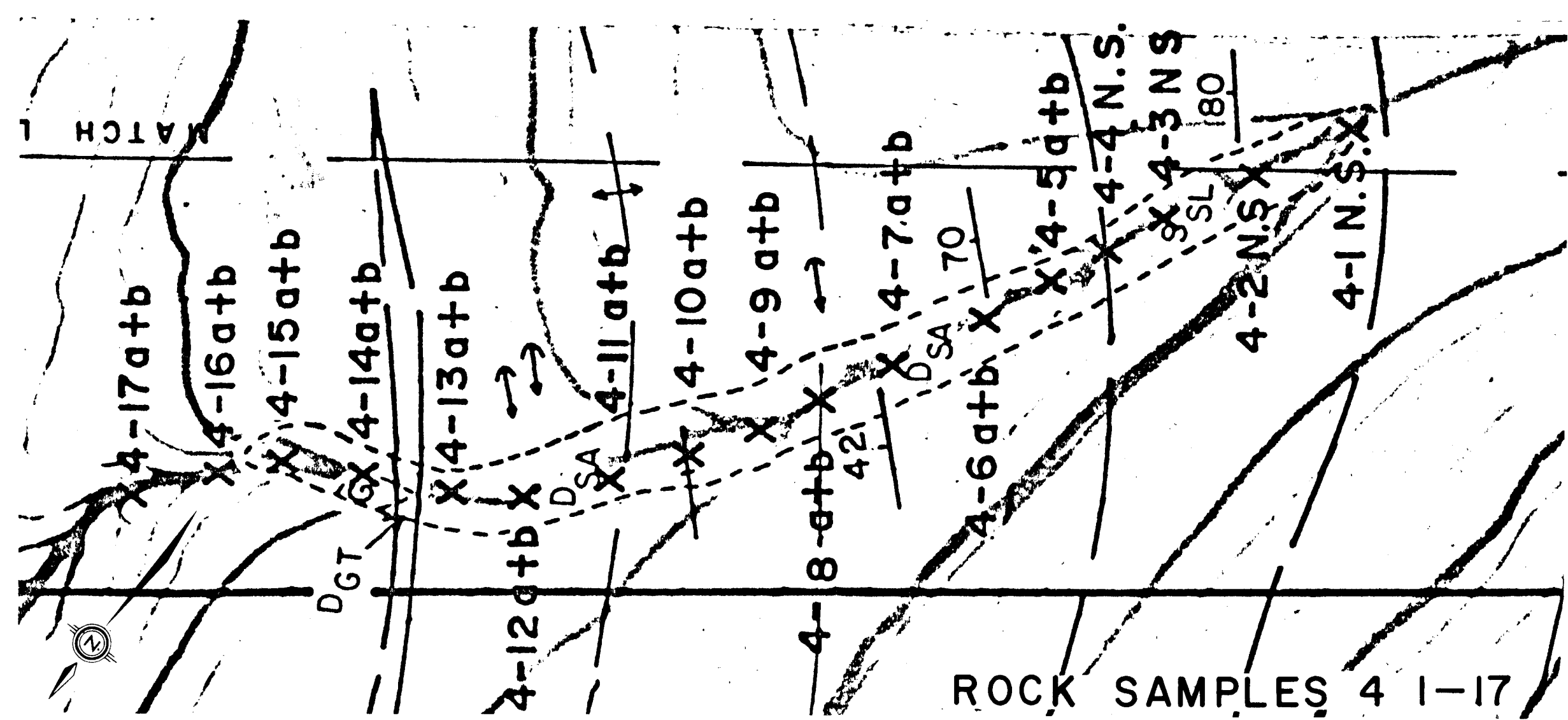
Scale: 1:2500 Date: D.C. 1985 Plate: 85-10

Form 210-1000

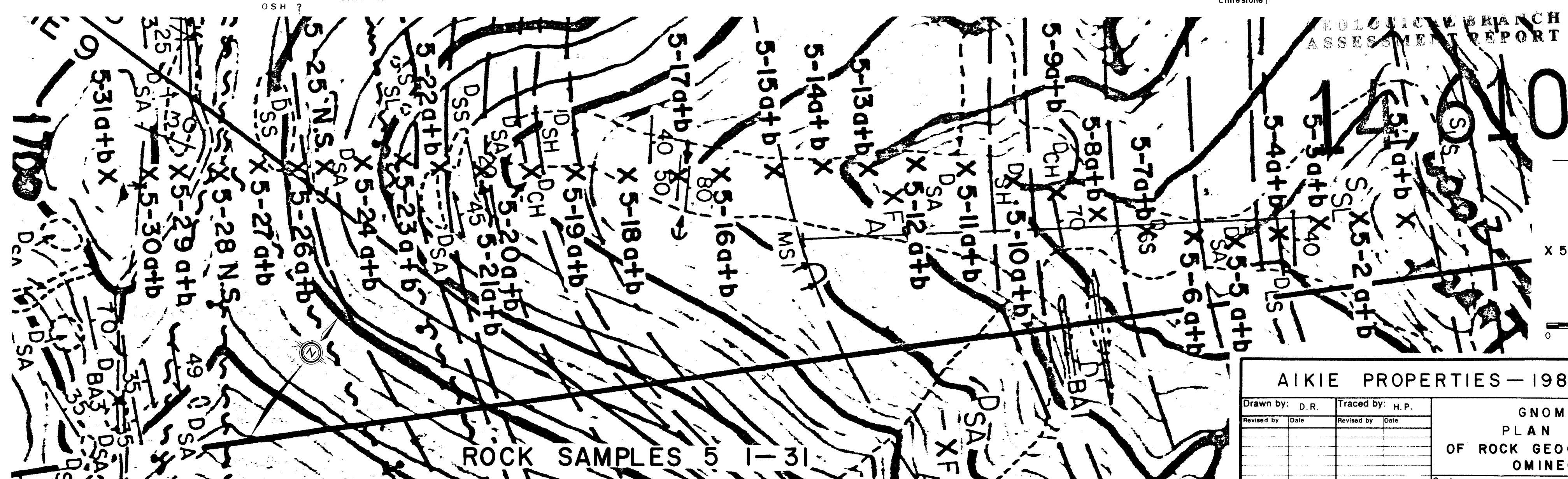


Earn Group DSA - Blue grey weathering
 OSH 2 Block Carbonaceous Shale - some Siltstone interbeds Ordovician transitional into SSL 7 of SSL transitional into Devonian
 SSL Orange weathering Siltstone

Earn Group - Blue grey weathering, fine grained Mudstone
 Shale variably calcareous Dolomitic OSH ?
 SSL Siltstone
 Earn Group - Dominantly blue grey weathering, fine grained finely laminated black Siliceous Mudstones
 DLS Devonian Limestone
 Siltstone Orange weathering



ROCK SAMPLES 41-17



ROCK SAMPLES 51-31

- SECTION A
- SAMPLE A
- SAMPLE B
- SAMPLE C
- SAMPLE D
- AREA WHERE NO SAMPLES WERE TAKEN

PLAN
 X 5-20a+b SAMPLE NUMBER AND LOCATION

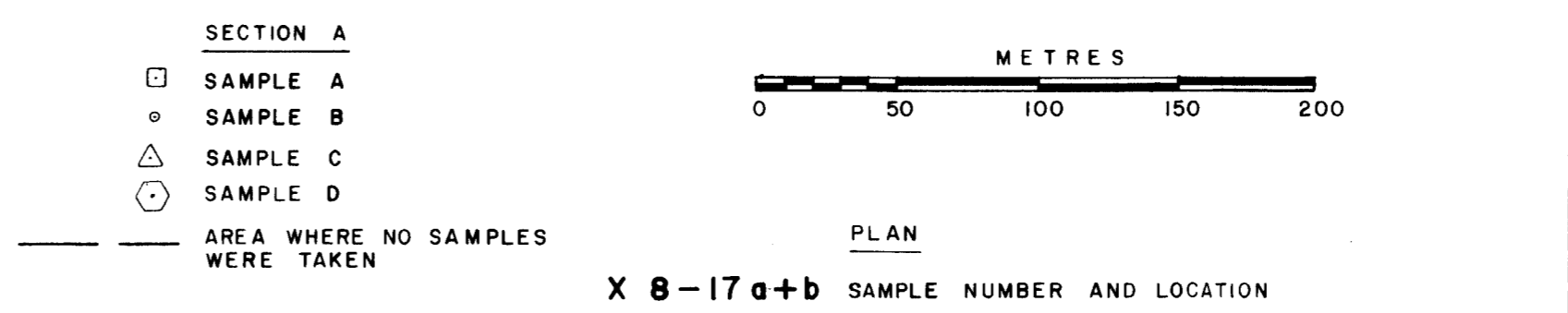
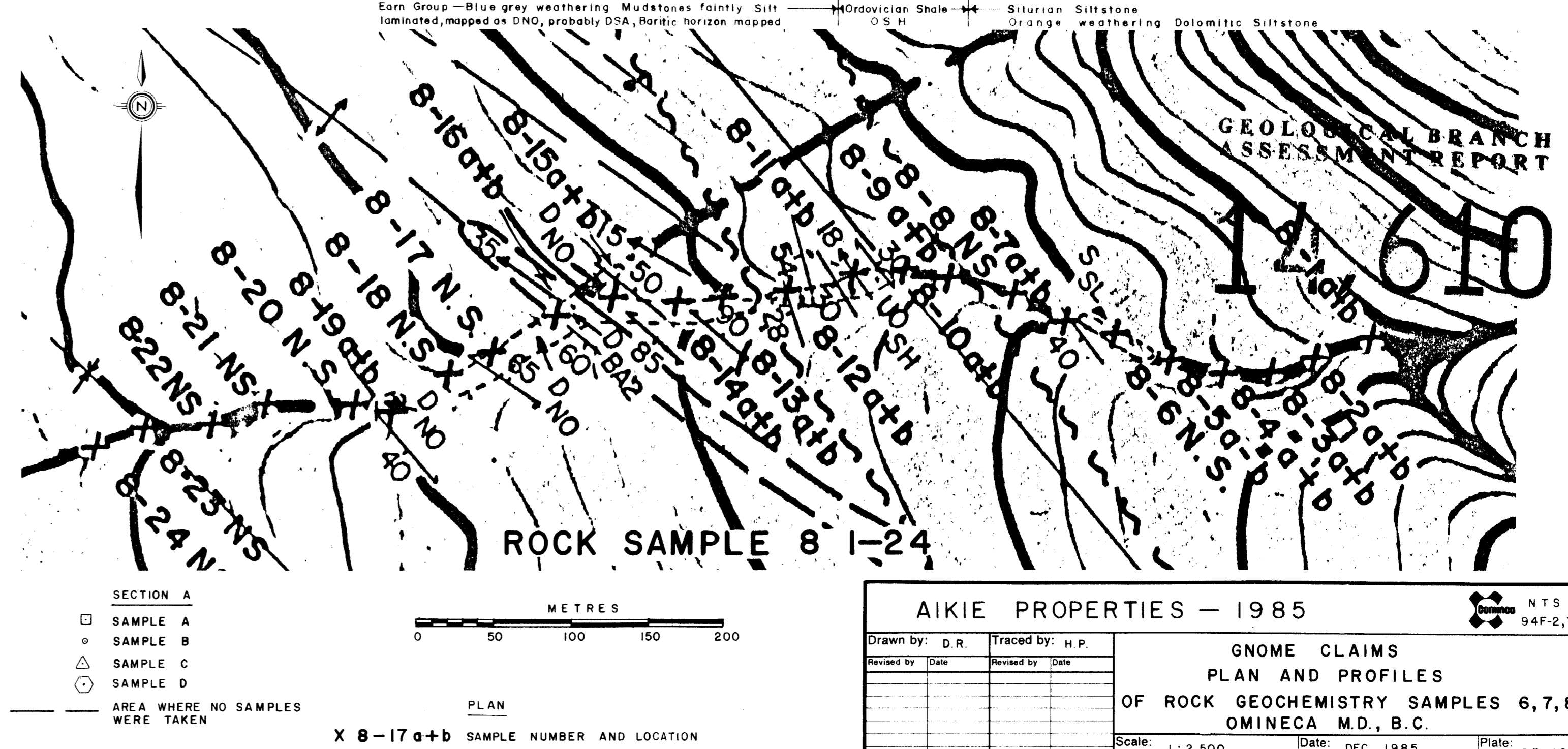
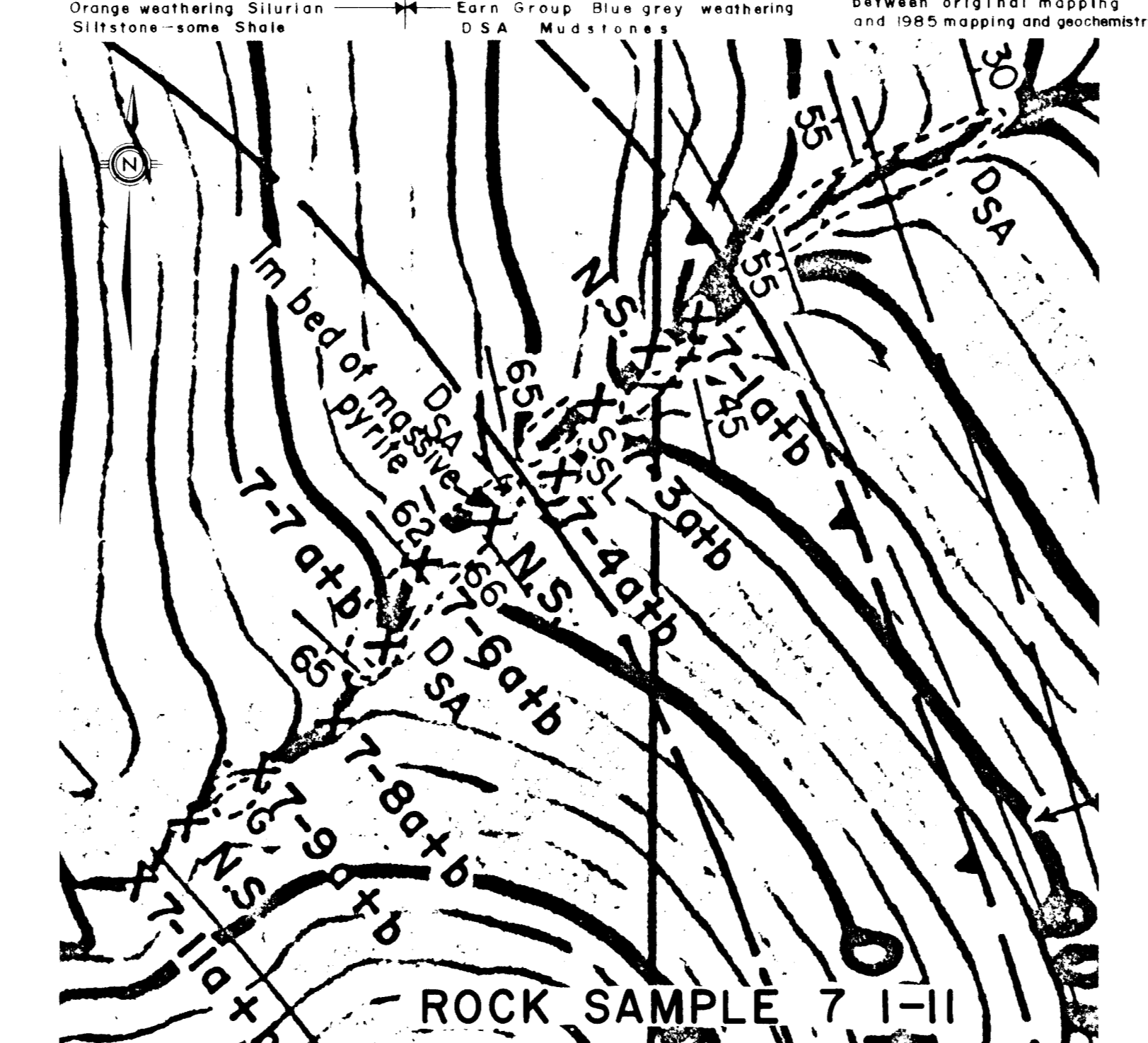
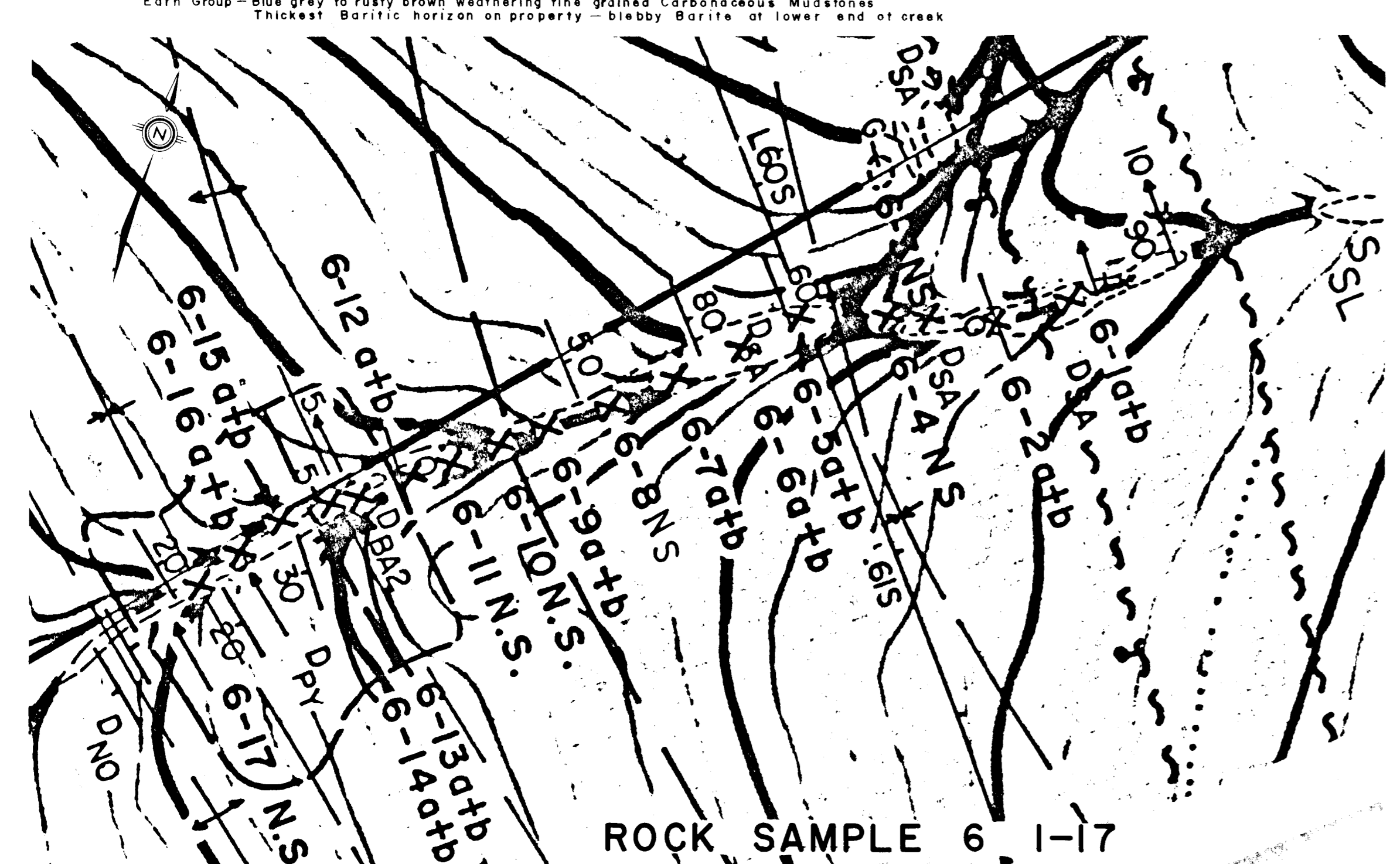
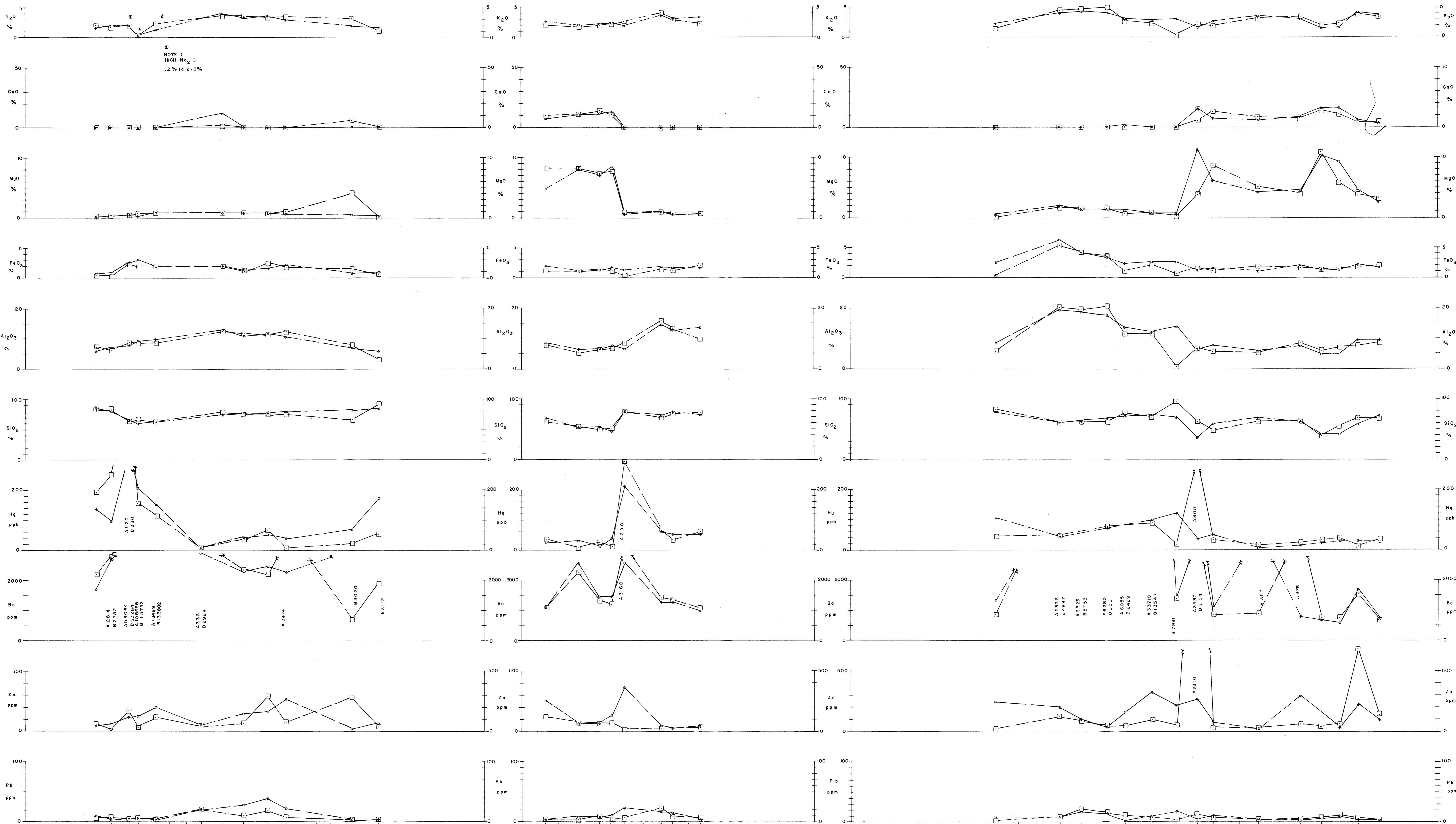


AIKIE PROPERTIES - 1985

Drawn by: D.R. Traced by: H.P.
 Revised by: Date: _____

GNOME CLAIMS PLAN AND PROFILES OF ROCK GEOCHEMISTRY SAMPLES 4,5 OMINECA M.D., B.C.

Scale: 1:2,500 Date: DEC. 1985 Plate # 5-11



AIKIE PROPERTIES - 1985

Drawn by: D.R.	Traced by: H.P.
Revised by: Date	Revised by: Date

NTS 94F-2,7

GNOME CLAIMS
 PLAN AND PROFILES
 OF ROCK GEOCHEMISTRY SAMPLES 6, 7, 8
 OMINECA M.D., B.C.

Scale: 1:2,500 Date: DEC. 1985 Plate: B5-12