LOG NO: FEB 2 6 1992 RD.

ACTION:

FILE NO:

GEOCHEMISTRY REPORT
on the
DOROTHY PROPERTY

NTS 93M/1, 8
Latitude 55°15'N Longitude 126°08'W
Omineca Mining Division

for:
INTERNATIONAL CORONA CORPORATION
and
TWIN PEAKS MINES LIMITED

Work performed by
INTERNATIONAL CORONA CORPORATION
#1440 - 800 West Pender Street
Vancouver, British Columbia
V6C 2V6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,143

S. Robertson B.Sc.
Geologist
January 22, 1992

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SUMMARY AND RECOMMENDATIONS

The Dorothy property is located in the Babine region of the Omineca Mining Division, British Columbia. The property was originally staked by Evergreen Explorations in 1969, then vended to Twin Peaks Mines who formed a joint venture with Ducanex. Although a weak molybdenum and copper-in-silt anomaly reportedly drew interest to the area in the mid 60's, the 1971 property report states the reason for acquisition was "structural appeal".

During 1970 several surveys were completed over the property including MAG, VLF-EM, soil sampling, geologic mapping and IP. Drilling commenced in late 1970 and 29 holes, totalling 9,795 feet (2973 metres), were completed by September 1971. Drilling and trenching revealed the Dorothy Pluton which is a member of the Babine Intrusive suite, a series of spatially and genetically related 49 - 55 Ma biotite-feldspar-porphyry (BFP) intrusives. They are associated with a number of porphyry copper deposits in the region. The Dorothy pluton was found to host consistent but weak disseminated copper mineralization (weighted average of the best mineralized 20 holes is 0.2% copper and 0.019% molybdenite). The low average copper grade of the drilled area was discouraging and no further work was done on the property until Coronas' 1991 program.

The substantial rise in gold prices since 1972 has increased the economic attractiveness of copper-gold porphyries. Two such mines, Granisle and Bell, have been developed in the area by Noranda, both of which are related to Babine Intrusives. The geologic similarities between Dorothy, Granisle and Bell prompted International Corona Corporation to re-sample the Dorothy drill core as it was not analyzed for gold content during the 1971 program. Four of the holes with the strongest copper mineralization were selected for re-sampling.

The average grade of the intervals sampled in the four drill holes was 0.28% copper and 56 ppb gold. Bivariate statistical analysis shows that gold and copper are highly correlative but the gold content of the mineralizing system is simply very low. Further exploration should be directed at finding higher grade copper zones in the areas of anomalous chargeability.

1.0 LOCATION AND ACCESS

The Dorothy Property is located on the 93M/1, 8 NTS map sheets in north-central British Columbia, centred on 55°15'N latitude and 126°08'W longitude (See Figure 1). Access is from Smithers (82 km southwest) or Houston (90 km south) by helicopter. Current logging activity is within a few km of the eastern boundary of the property. Favourable terrain would make building a road to the property relatively easy. Work on the property during the early 1970's was supported by a now overgrown cat road which led from a float plane landing on Haut Lake to the camp which lies near the centre of the property.

2.0 PROPERTY DESCRIPTION

The Dorothy property, located in the Omineca mining division, is comprised of a contiguous claim block (Figure #2), consisting of four modified grid system mineral claims staked in 1991, 9 two post and four fractional claims which were staked during 1969 and 1970. There are a total 94 units, which with claim overlap covers an area of approximately 2000 hectares. A complete list of the claims and their status is provided as Table 1.

The property is owned 90% by International Corona Corporation and 10% by Twin Peak Mines Limited. International Corona is the operator.

3.0 PHYSIOGRAPHY

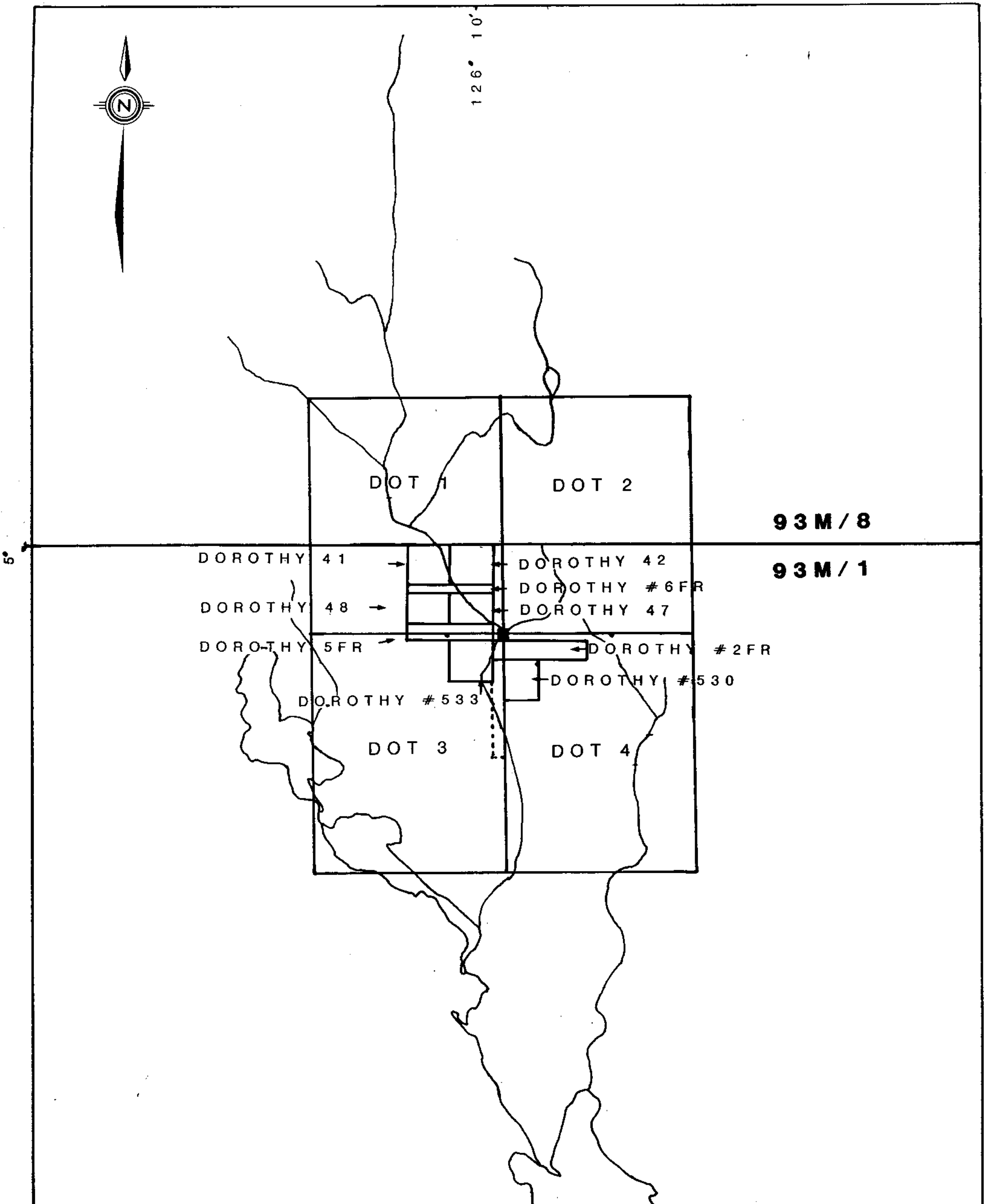
The Dorothy property is located within the northern limits of the Nechako Plateau, which Carter (1981) describes as follows:

> *"This area is one of low relief, dominated by flat or gently rolling topography (Holland, 1964). Glacial drift obscures much of the bedrock and ubiquitous glacial features include glacial grooving and drumlin-like ridges, numerous lakes, eskers and dry meltwater channels. The northern boundary of the Nechako area fairly sharply defined by mountainous terrain (Omineca Mountains)."*

INTERNATIONAL CORONA CORPORATION

DOROTHY PROPERTY
Location Map

DATE:	SCALE:	DRAWING No.
		Fig 1



INTERNATIONAL CORONA CORPORATION

DOROTHY PROPERTY
CLAIM MAP

DATE:	SCALE: 1:50,000	DRAWING No. Fig 2

TABLE 1

MINERAL TITLE - CANADA
BABINE J.V. [1018]

Province : B.C.	Operator : ICC
Mining Division: OMINECA	Recorded 1) INTERNAT'L CORONA CORP.- 90%
Land District :	Holder(s) 2) TWIN PEAKS MINES LTD. - 10%
Lat./Long. : 55°15' /126°08'	3)
NTS : 93M/1E,8W,8E	J.V. Part.(%): ICC - 90%
Location: Nakinilerak Lake	: TWIN PEAKS - 10%

MINERAL TITLE - CANADA

Record Number	Claim Name	Previous Number	Units	Area (ha)	Record Date	Record Date
303987	DOT 1	303987	20	500.0	1991.09.14	1992.09.14
303988	DOT 2	303988	20	500.0	1991.09.14	1992.09.14
303989	DOT 3	303989	20	500.0	1991.09.15	1992.09.15
303990	DOT 4	303990	20	500.0	1991.09.15	1992.09.15
82072	DOROTHY 41	82072	1	25.0	1969.11.07	2001.11.07
82073	DOROTHY 42	82073	1	25.0	1969.11.07	2001.11.07
82078	DOROTHY 47	82078	1	25.0	1969.11.07	2001.11.07
82079	DOROTHY 48	82079	1	25.0	1969.11.07	2001.11.07
92377	DOROTHY #533	92377	1	25.0	1970.09.24	2001.09.24
92390	DOROTHY 5 FR.	92390	1	15.0	1970.09.24	2001.11.07
92391	DOROTHY #6 FR.	92391	1	15.0	1970.09.24	1994.09.24
92655	DOROTHY #530	92655	1	25.0	1970.09.29	1994.09.29
92659	DOROTHY #2 FR.	92659	1	15.0	1970.09.29	1994.09.29
13			89	2195.0		

Date: 1992.01.15

LIST OF CLAIMS
Dorothy Property

INTERNATIONAL
CORONA
CORPORATION

Terrain on the property is mostly flat with swamp covering the north central and the southwestern areas while low north-south ridges cover the eastern and northwestern portions of the claims. Maximum relief is 300 metres ranging from 880 metres to 1180 metres elevation. Vegetation consists of mixed conifers, alder, devil's club and a variety of berry bushes and shrubs.

4.0 PROPERTY HISTORY

Weak copper and molybdenum-in-silt anomalies drew workers to the area during the 60's. Prospecting revealed what was believed to be an unaltered intrusive, not resembling the distinctive biotite-feldspar-porphyry (BFP) known to host many porphyry copper deposits in the region and as a result, claims were not acquired. Subsequent thin-section work however, indicated the intrusive is likely a trachytic variety of the BFP which has been subjected to two periods of alteration (Woolverton, 1973).

The original Dorothy claims were staked in October of 1969 for Evergreen Explorations and were subsequently vended to Twin Peak Mines Limited. Ducanex Resources Limited (Ducanex →Lacana →International Corona) formed a joint venture partnership with Twin Peaks whereby Ducanex held 90% and Twin Peaks 10% of the Dorothy property. International Corona has retained Ducanex's 90% interest in the property.

The 1970 field program entailed an IP survey, soil sampling, magnetometer and VLF-EM surveys and geological mapping. The IP outlined a large area (1000 metres x 1300 metres) of coincidental chargeability high (>5 ms) and resistivity low (<1600 Ohm-Feet). This anomaly extends off the grid, both to the north and the south (See map 1). Trenching was completed using a cat to uncover what was described by Woolverton (1973) as "local zones of ore grade porphyry copper-molybdenum mineralization in a 0.2% copper background".

Between October 1970 and September 1971, 9,795 feet (2,973 metres) of drilling was completed in 29 holes. Drilling intercepted consistently anomalous but low grade copper mineralization (weighted average over the 20 best mineralized holes gives 0.2% copper and 0.019% molybdenite). The property lay essentially dormant until 1991.

5.0 GEOLOGY

5.1 REGIONAL GEOLOGY

Carter (1981) gives an excellent overview of the regional geology of the Babine District and an overview is given below.

The Dorothy property lies within the Intermontane Tectonic Belt which is bounded on the east by the Omineca Belt and to the west by the Coast Crystalline Complex. Stratigraphy in the area consists mainly of Lower Jurassic Hazelton Group volcanics and related sediments. To the north, the Hazelton rocks are overlapped by the Bowser Basin Sediments. The Skeena Arch, a transverse tectonic feature which separates the Bowser Basin from the Nechako Trough, dominated the stratigraphic development during the Jurassic, a period during which it was strongly uplifted. Faulting of the arch subsequently acted as a control for the emplacement of Cretaceous and Tertiary intrusives.

The six major intrusive suites found in the Mesozoic stratigraphy include the Topley (173-206 Ma), Omineca (121-181 Ma), Bulkley (70-84 Ma), Goosly Lake (49-53 Ma), Nanika (47-56 Ma) and Babine (49-55 Ma) (Carter, 1981). All suites have related economic metal deposits but Babine Intrusives are of particular interest in the area of the Dorothy Property as they host the mineralization there, as well as at Bell mine, Granisle mine, Morrison and several other properties.

5.2 PROPERTY GEOLOGY

In the area of mineralization on the property, bedrock is covered by as much as 30 metres of glacial till although outcrop is found more commonly on the eastern side of the property. Stratigraphy consists of intermediate volcanics of the Hazelton Group, which are very poorly exposed but appear to be mostly flows with occasional tuffs and breccias. Most of the property is underlain by two intrusive bodies; an Omineca granodiorite to diorite and a Babine BFP. The BFP "Dorothy Pluton," a multiphase, dioritic biotite-feldspar-hornblende porphyry, is an elliptical body lying parallel to the main NW-SE tectonic trend. One to four mm phenocrysts of biotite, quartz and feldspar are clearly seen in hand specimen but hornblende phenocrysts and the groundmass of fine feldspar laths are usually identified only in thin section(Woolverton, 1972). Young felsite dykes cross-cut the older stratigraphy on the property.

Alteration on the property has been thoroughly studied by Woolverton in 1972 by thin-section work completed on 112 samples from drill core. The potassic zone, which hosts the copper mineralization, is found within the core of the BFP and is defined mainly by hydrothermal biotite. Peripheral to this is a large propylitic zone which is present in the outer rim of the intrusive and in the host volcanics. A moderately developed pyrite halo exists along the rim of the intrusive, just outside the potassic zone. Much of the potassic alteration was overprinted by a lower grade alteration (propylitic), resulting in either rimming of the hydrothermal biotite with fine chlorite or complete replacement of the biotite. Woolverton has postulated that this later alteration is related to a large, late intrusive body which has been emplaced at depth. Although this is certainly possible, it should be noted that overprinting of the potassic zone by lower grade alteration is not uncommon in porphyry systems (Sillitoe, 1973). After the main event of alteration and mineralization, a late phase of BFP was emplaced as a set of large dykes, in the potassic zone. This later phase is notably fresher, showing no signs of potassic alteration or mineralization, and is texturally distinct due to its' brecciated nature.

Copper mineralization, found in the potassically altered core of the BFP is weakly to moderately disseminated chalcopyrite with occasional molybdenite and rare bornite (1991 results show copper $_{max}$=0.7% copper $_{x}$=0.28% in four of the best drill holes)(See appendix C). Occasional stringers of chalcopyrite are present but do not contribute substantially to the overall grade.

6.0 1991 FIELD WORK

The 1991 field program entailed the re-sampling of four of the best mineralized 1971 drill holes (See appendix B for drill logs). This was done in an attempt to determine if strongly anomalous gold mineralization is associated with copper mineralization as it is in other BFP porphyries in the region, such as Bell and Granisle. Drill holes 2, 10, 14 and 19 were among the best mineralized in the 1971 drill program and were chosen for re-sampling. Samples were generally taken over 10 foot intervals, down the entire length of the hole. Occasionally the condition of the core prohibited sampling at regular intervals (rotten or destroyed core boxes).

All samples consisted of a representative sampling of the intervals noted in Appendix A. All core samples were sent to Acme Analytical Laboratories where they were prepared and analyzed. Analysis included a fire assay for gold with an AA finish as well as 30 element analysis using ICP techniques (see Appendix A for results).

7.0 RESULTS

The univariate statistics (Appendix C) for both copper and gold indicate that they have relatively normal distributed populations as their mean(x) and median(M) are quite similar and their coefficient of variation(CV) is much less than one. The sampling procedure produced a data set strongly biased to samples with anomalous copper values. All of the core is biased because by definition, drill targets chosen on the property have an increased probability of intersecting anomalous copper values. The population was further biased because the four drill holes sampled were chosen because of their high copper assays (x_{copper} = 0.28%). Bivariate statistics (See chart in Appendix C) show that the gold and copper are highly correlative with a Spearman Coefficient of 0.604 and a Pearson coefficient of 0.622. The low average gold values (x_{gold} = 56ppb) in conjunction with the significant correlation between elevated copper and gold values indicates a low gold content in the mineralizing system.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Extensive work during 1970 and '71 indicate a sizable mineralizing system related to the Dorothy Pluton. Although the identified copper mineralization is relatively low grade, potential for finding additional copper mineralization of equal or higher grade within the untested portions of the IP chargeability anomaly, is considered to be good. Based on the 1991 re-sampling it is unlikely that economically significant gold mineralization would accompany the copper mineralization. Low average gold values in a data set with high average copper values, in conjunction with a high correlation between the two elements indicates a low gold content in the mineralizing system.

International Corona Corporations' objectives are to define an economic porphyry deposit with appreciable gold credits. The Dorothy property will not likely meet these objectives and further work is not recommended at this time.

Respectfully Submitted,

Stephen Robertson, B.Sc.
Geologist.

STATEMENT OF EXPENDITURES

January 22, 1992

FIELD PROGRAM

Salaries	M Tindall - Senior Project Geologist	
	1 day @ $300.00	**$ 300**
	September 23, 1991	
	S Robertson - Geologist	
	1 day @ $188.00	**188**
	September 23,1991	
	M Galdiotis - Geologist	
	1 day @ $225.00	**225**
	September 23, 1991	
Analysis	140 @ $13.30 (Acme Analytical)	**1,862**
Helicopter	3.1 Hours @ $700.00 (Highland)	**2,170**
Food	1 day @ $85	**85**
Lodging	1 day @ $144	**144**
Field Transportation (Vancouver - Smithers)		**330**

REPORT PREPARATION

Salaries		
	S. Robertson - Geologist	
	5 days @ $188	**940**
	January 13-17, 1991	
Drafting		**44**

Total Expenditures	**6, 288**
Pac Withdrawal	1,712
TOTAL APPLIED TO CLAIMS	**$ 8,000**

STATEMENT OF QUALIFICATIONS

I, Stephen Robertson, of 1969 Lower Road, Gibsons, B.C. V0N 1V0 state that:

I am a 1989 graduate of the University of Alberta, Edmonton Alberta, with a B.Sc. in geology.

I have been employed in mineral exploration prior to my graduation and that I have been practising my profession since 1989.

I am presently on contract as a geologist with International Corona Corporation, #1440 - 800 West Pender Street, Vancouver, British Columbia. V6E 2V6.

I am the author of this report which is based on public and property reports plus on site inspections.

I have no interest, direct or indirect, in the property discussed in this report.

This report may be used for development of the property, provided that no portion of it is used out of context or in such a manner as to convey meanings different from that set out in the whole.

Signed and dated in Vancouver, British Columbia this 13 day of Feb 1992.

Stephen Robertson

Stephen Robertson, B.Sc.

REFERENCES

Carter, N.C. (9181): Porphyry Copper and Molybdenum deposits; West Central British Columbia. BCDM Bulletin 64. 150 p.

Sillitoe, R.H. (1973): The Tops and Bottoms of Porphyry Copper Deposits, in Economic Geology, Vol 68, pp 799-815

Woolverton, R.W. (1971): A geophysical Report of the Dorothy Claims, Omineca Mining Division, BCDM Assessment Report.

Woolverton, R.W. (1972): A Report on the Dorothy Property, Babine Lake area, BCDM Assessment Report.

APPENDIX A

ASSAY CERTIFICATES
and
SAMPLE RECORD SHEETS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Cu %
84557 CORE	2	224	2	44	.2	7	4	504	1.38	3	5	ND	4	73	.4	2	2	12	2.71	.064	25	5	.49	520	.01	5	.49	.04	.23	1	7	.02
84558	7	156	2	33	.1	6	5	1367	1.18	11	5	ND	2	73	.3	2	2	6	2.91	.062	23	4	.62	397	.01	3	.40	.03	.20	1	5	-
84559	124	917	2	48	.8	5	4	4874	2.17	9	5	ND	2	112	.2	3	3	6	6.63	.026	14	4	1.46	271	.01	3	.32	.04	.15	1	8	-
84560	161	1268	2	28	.5	9	10	485	2.07	6	12	ND	1	39	.2	2	5	17	1.24	.023	5	8	.45	88	.02	3	.55	.05	.15	1	26	-
84561	46	1617	3	32	.9	9	14	262	2.69	8	13	ND	1	31	.3	2	5	48	.91	.039	7	16	.88	102	.10	2	1.08	.09	.39	1	22	-
84562	74	621	2	20	.5	8	6	198	1.14	6	5	ND	1	23	.2	2	2	10	.73	.016	4	8	.27	23	.01	3	.43	.06	.09	2	7	-
84563	39	1272	4	85	.5	13	19	131	2.41	17	5	ND	1	30	.9	2	2	37	.74	.056	8	19	.66	81	.07	3	1.01	.12	.35	1	26	-
84564	25	1366	2	39	.8	10	14	196	3.25	2	5	ND	1	51	.9	2	2	91	1.40	.133	11	14	1.70	139	.18	3	2.14	.18	1.06	1	10	-
84565	88	1273	2	44	.3	8	11	197	3.33	2	5	ND	1	63	.3	2	2	100	1.95	.149	10	12	1.77	164	.20	2	2.36	.22	1.12	1	12	-
84566	104	2814	2	47	1.2	11	23	195	3.74	2	5	ND	1	65	.3	2	5	83	1.32	.122	11	11	1.48	105	.15	2	1.91	.14	.70	1	130	-
84567	37	1733	2	58	.8	8	14	265	3.37	2	5	ND	1	77	.2	2	2	83	1.94	.135	12	10	1.61	65	.11	2	1.91	.10	.61	1	12	-
84568	401	2583	2	43	.7	9	14	171	3.50	2	5	ND	1	67	.9	2	2	85	1.64	.118	11	9	1.48	112	.16	2	1.87	.15	.81	1	110	-
84569	98	3274	2	43	1.2	9	17	195	3.69	2	5	ND	1	70	.5	2	2	91	1.52	.123	10	11	1.58	129	.17	2	2.07	.18	.77	2	28	-
84570	81	2828	2	42	1.4	9	18	171	3.51	4	5	ND	3	61	.4	2	2	96	1.28	.128	10	12	1.69	109	.16	2	2.11	.16	.84	1	34	-
84571	135	3226	2	41	1.3	9	15	158	3.38	2	5	ND	1	50	.7	2	2	93	1.19	.117	9	11	1.63	62	.17	2	1.99	.15	.93	1	40	-
84572	145	2453	2	54	1.2	10	16	286	3.80	5	5	ND	2	54	.6	2	3	92	1.49	.133	11	11	1.66	85	.14	2	2.17	.14	.82	1	31	-
84573	46	3366	2	49	1.1	9	18	220	3.95	4	5	ND	1	66	.5	2	8	95	1.30	.131	10	10	1.65	102	.16	2	2.08	.14	.93	1	34	-
84574	138	3450	3	50	1.3	12	17	178	3.99	2	5	ND	1	75	.5	2	5	98	1.51	.124	12	12	1.64	121	.19	2	2.33	.20	1.12	1	37	-
84575	166	3842	2	53	1.7	12	20	195	3.87	3	5	ND	2	81	.9	2	2	91	2.15	.111	11	11	1.43	64	.14	2	2.22	.19	.80	1	46	-
84576	427	1203	2	37	.5	8	6	370	1.46	2	5	ND	4	1088	.2	2	2	33	3.48	.073	17	7	.57	196	.06	2	.88	.05	.34	1	26	-
RE 84572	150	2389	2	52	.8	10	17	286	3.75	5	5	ND	1	67	.6	2	3	88	1.50	.131	10	10	1.63	85	.14	2	2.11	.13	.79	1	36	-
84577	159	2056	2	30	1.0	11	8	182	1.80	2	5	ND	4	523	.2	2	2	43	2.25	.083	18	10	.76	176	.11	2	.92	.06	.42	2	41	-
84578	44	2073	2	58	1.2	11	11	385	2.64	4	5	ND	4	191	.4	2	2	58	2.04	.111	15	9	1.10	141	.10	2	1.13	.06	.46	1	57	-
84579	47	3335	2	48	1.6	11	13	284	3.31	6	5	ND	3	149	.4	2	4	90	1.84	.118	15	17	1.43	136	.18	2	1.53	.08	.90	1	56	-
84580	84	3941	2	42	1.5	12	16	130	3.42	2	5	ND	1	72	.3	2	2	96	1.51	.104	11	11	1.42	113	.20	3	1.60	.09	1.07	1	120	-
84581	60	3891	3	42	1.1	11	14	151	4.05	2	5	ND	1	63	.8	2	3	104	1.39	.116	12	11	1.62	135	.21	2	1.71	.10	1.22	1	100	-
84582	100	4495	2	39	2.0	14	18	171	3.18	4	5	ND	1	119	.3	3	5	94	1.65	.097	12	10	1.39	109	.20	2	1.52	.08	1.09	1	59	-
84583	174	3982	2	39	2.0	15	13	692	2.66	3	5	ND	3	283	.2	2	2	55	2.00	.066	17	13	.97	133	.11	3	.99	.05	.45	1	84	-
84584	161	2768	2	38	1.1	13	11	186	2.11	3	5	ND	3	135	.5	2	2	56	1.34	.081	15	15	.96	169	.14	3	1.06	.06	.54	1	64	-
84585	62	2437	4	35	.9	13	10	194	2.91	2	5	ND	2	140	.2	2	2	67	1.56	.084	16	14	.95	163	.14	2	1.06	.06	.55	1	120	-
84586	51	1759	3	36	.4	13	9	172	3.22	2	5	ND	2	145	.5	2	2	77	1.56	.093	13	14	1.12	195	.23	2	1.31	.09	.84	1	100	-
84587	53	3533	2	39	1.2	15	14	178	3.91	3	5	ND	2	145	.3	2	3	100	1.24	.055	11	17	1.02	161	.22	2	1.23	.08	.76	1	90	-
STANDARD C/AU-R	20	59	44	132	7.4	73	32	1043	3.97	42	18	7	40	53	18.7	16	17	62	.49	.098	39	61	.90	177	.09	32	1.92	.07	.15	11	460	-

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
84588	64	2401	2	42	.9	14	13	182	3.83	2	5	ND	7	133	.2	2	2	89	1.16	.148	24	14	1.12	258	.25	2	1.44	.09	.89	2	52
84589	140	3327	2	35	1.2	13	12	142	2.96	2	5	ND	3	50	.2	2	2	103	.59	.085	15	18	1.23	217	.30	2	1.48	.12	1.10	1	71
84590	73	2287	2	45	.9	13	15	189	4.05	2	5	ND	1	53	.6	2	2	192	.73	.037	4	28	1.99	229	.44	2	2.72	.22	1.83	1	39
84591	91	3617	2	37	1.3	11	14	169	3.25	2	5	ND	1	45	.3	2	2	148	.60	.039	4	20	1.70	128	.34	2	2.16	.20	1.31	1	65
84592	66	2714	2	47	1.1	13	14	201	3.87	2	5	ND	1	53	.8	2	2	192	.65	.038	3	33	2.14	227	.46	2	2.60	.19	1.80	2	66
84593	123	4307	2	47	1.7	16	17	220	4.47	2	5	ND	1	52	.2	3	2	177	.64	.036	6	28	1.93	195	.43	2	2.43	.14	1.74	2	81
84594	71	2523	2	40	1.1	13	13	524	3.16	2	5	ND	1	60	.3	2	2	141	.92	.026	2	23	1.67	194	.34	2	1.94	.11	1.27	1	55
84595	128	3449	2	38	1.5	14	15	186	3.58	2	5	ND	1	43	.4	2	2	177	.55	.033	3	29	1.80	180	.42	2	2.10	.13	1.52	1	85
84596	99	3609	2	39	1.6	13	12	204	2.95	2	5	ND	1	43	.3	2	2	130	.70	.053	6	20	1.28	115	.28	2	1.74	.12	1.08	1	76
84597	86	3675	2	38	1.4	14	12	183	2.85	2	5	ND	3	45	.2	2	2	80	.70	.078	12	16	1.21	182	.22	2	1.28	.07	.81	1	84
84598	83	1602	2	35	.8	13	8	387	2.20	2	5	ND	2	52	.2	2	2	45	1.03	.092	18	15	.95	241	.13	3	.95	.06	.52	1	31
84599	82	1365	2	36	.6	13	8	275	2.22	2	5	ND	3	49	.2	2	2	59	.84	.102	21	13	1.09	275	.17	2	1.03	.06	.60	1	23
84600	59	4452	2	35	1.8	16	9	306	2.16	2	5	ND	2	103	.2	2	2	43	1.10	.080	19	14	.89	228	.09	4	.92	.05	.36	2	76
84601	173	3636	2	55	2.7	17	12	650	2.65	2	5	ND	3	126	.2	2	2	24	2.49	.114	22	15	.69	182	.01	2	.93	.04	.18	1	46
84602	394	3051	2	50	2.6	15	11	773	2.40	4	5	ND	3	132	.2	2	3	18	2.10	.135	20	11	.45	109	.01	2	.65	.04	.17	1	41
84603	470	4899	2	36	3.4	13	15	411	1.73	2	5	ND	7	80	.3	2	2	35	2.20	.083	15	11	.72	138	.04	2	.91	.04	.30	2	66
84604	135	2934	3	31	1.9	12	11	277	1.43	2	5	ND	5	65	.3	2	2	40	1.25	.071	15	13	.71	134	.05	2	.90	.04	.35	2	41
RE 84609	168	4501	2	31	2.4	16	26	172	2.64	3	7	ND	3	132	.2	2	2	54	1.59	.079	12	14	.96	88	.09	2	1.03	.05	.46	1	73
84605	266	5564	2	33	3.3	14	16	227	1.80	2	5	ND	4	60	.2	2	2	46	1.33	.072	18	13	.76	144	.06	2	.93	.05	.35	1	85
84606	143	7028	4	36	3.5	14	19	206	2.39	4	5	ND	3	51	.3	2	2	55	1.04	.075	13	13	.94	118	.07	2	1.03	.05	.40	1	124
84607	139	4247	2	36	2.9	13	15	274	2.16	3	5	ND	4	68	.2	2	2	42	1.27	.080	14	12	.83	157	.06	2	1.03	.05	.34	2	57
84608	182	6657	2	30	2.8	14	18	169	2.75	2	5	ND	4	55	.5	2	2	62	1.01	.084	15	16	1.06	150	.11	2	1.21	.06	.55	1	89
84609	171	4685	2	31	2.7	16	26	171	2.63	2	5	ND	5	132	.2	2	2	56	1.60	.075	13	14	.96	101	.09	2	1.04	.05	.45	1	64
84610	302	4056	3	24	2.1	17	37	151	3.41	2	5	ND	3	298	.2	2	2	58	2.10	.079	12	15	.92	72	.11	2	1.06	.05	.50	1	51
84611	267	2962	2	25	1.6	12	14	191	2.14	2	5	ND	4	158	.3	2	2	50	1.59	.089	14	13	.82	176	.10	2	1.00	.06	.48	1	54
84612	388	3977	2	28	2.2	13	19	326	2.05	2	5	ND	5	221	.2	3	2	36	1.86	.083	16	11	.75	146	.07	2	.88	.05	.35	2	56
84613	159	4590	2	27	2.3	14	24	168	2.14	2	5	ND	8	70	.2	2	2	43	1.04	.079	16	12	.83	155	.08	3	1.01	.05	.39	1	79
84614	221	5926	2	36	2.9	17	27	294	2.81	2	5	ND	6	235	.5	2	2	40	1.23	.065	13	13	.86	96	.07	2	1.04	.05	.36	2	73
84615	146	4377	4	35	2.5	13	19	469	2.28	2	5	ND	4	524	.2	2	2	26	2.24	.075	15	9	.61	126	.03	3	.79	.05	.26	2	35
84616	273	2379	2	22	1.2	10	13	260	1.55	2	5	ND	5	364	.2	2	2	34	1.62	.077	18	10	.68	255	.07	2	.81	.05	.32	1	33
84617	145	3004	5	25	1.6	10	14	300	1.71	2	5	ND	4	702	.2	2	2	22	2.28	.080	13	7	.66	231	.03	2	.81	.05	.21	1	37
84618	215	2940	15	25	1.8	11	14	459	1.95	4	5	ND	4	540	.3	19	2	21	3.40	.074	12	8	.81	91	.02	3	.73	.06	.23	1	36
84619	193	3490	2	29	1.5	11	10	116	1.46	2	5	ND	5	62	.6	2	2	36	1.49	.073	17	10	.81	244	.07	2	.85	.06	.35	1	53
84620	195	3828	2	24	2.1	11	19	255	1.47	2	5	ND	4	441	.2	2	2	24	1.69	.076	12	8	.70	164	.04	3	.66	.05	.29	2	38
84621	197	3164	3	24	2.5	13	12	1149	1.77	2	5	ND	5	80	.4	2	2	10	2.31	.075	9	5	.69	89	.01	3	.64	.03	.20	1	38
84622	219	3030	2	29	1.2	12	14	169	1.64	2	5	ND	4	53	.2	2	2	35	1.74	.076	14	9	.74	142	.05	3	.74	.06	.31	1	34
84623	301	4027	5	20	1.3	13	21	86	2.23	2	5	ND	3	63	.4	2	2	26	1.44	.084	14	8	.73	88	.04	2	1.04	.05	.37	1	37
84624	231	3381	4	24	1.4	12	20	146	2.12	2	5	ND	2	448	.2	2	2	29	1.54	.072	13	9	.70	117	.05	2	.98	.05	.36	1	42
STANDARD C/AU-R	19	65	43	134	7.4	69	32	1056	4.02	42	18	8	39	51	18.8	19	17	61	.49	.091	39	59	.87	179	.09	33	1.91	.08	.14	11	451

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
84625	171	4111	2	36	1.7	14	14	540	2.43	8	5	ND	6	111	.2	2	2	21	1.76	.072	16	8	.78	87	.03	4	.93	.04	.38	2	36
84626	198	4130	2	46	2.5	18	15	334	2.49	6	5	ND	6	116	.2	2	2	33	1.90	.077	15	11	.83	68	.06	3	.80	.05	.33	2	50
84627	85	2363	2	40	1.6	17	12	194	2.68	3	5	ND	6	306	.2	2	2	39	1.35	.091	13	13	.84	86	.08	2	.94	.05	.38	2	39
84628	188	3199	3	40	2.1	15	18	144	2.33	4	5	ND	4	1129	.3	2	2	32	1.56	.074	13	10	.70	74	.06	3	.79	.04	.37	2	48
84629	18	2470	2	43	1.3	12	7	177	1.85	3	5	ND	5	131	.3	2	3	43	2.06	.082	17	12	.80	239	.11	3	1.00	.05	.50	2	51
84630	31	2032	2	36	1.1	14	9	352	1.94	2	5	ND	8	52	.2	2	2	37	1.09	.081	21	12	.56	292	.07	2	.68	.05	.31	2	44
84631	97	1587	4	34	2.2	13	10	718	2.03	5	5	ND	7	74	.2	2	2	17	1.95	.072	16	7	.54	85	.01	3	.54	.04	.20	2	26
84632	62	1328	2	29	.7	12	10	512	2.14	3	5	ND	6	102	.2	2	2	19	1.66	.072	12	6	.57	84	.03	2	.54	.04	.24	1	30
84633	101	1426	3	29	1.0	12	9	301	2.07	2	5	ND	8	74	.3	2	2	29	1.27	.072	16	9	.58	176	.05	2	.65	.06	.28	1	25
84634	60	1559	2	29	.7	13	13	199	2.33	2	5	ND	7	62	.2	2	2	35	1.10	.074	16	11	.73	139	.08	2	.85	.05	.35	1	32
84635	132	1492	2	30	.7	13	12	198	2.24	2	5	ND	7	93	.2	2	5	39	1.02	.073	19	12	.80	139	.08	3	.96	.05	.37	2	34
84636	91	3982	4	43	2.1	13	17	222	2.20	8	5	ND	8	263	.2	2	4	38	1.37	.075	14	12	.86	119	.08	3	.95	.05	.36	3	90
84637	335	2788	2	34	2.2	11	15	432	1.85	5	5	ND	8	392	.2	2	2	27	1.80	.063	15	9	.68	132	.05	3	.74	.04	.30	2	42
84638	264	2390	2	27	2.9	12	11	1518	1.62	9	5	ND	8	791	.2	2	2	12	2.30	.067	14	7	.58	84	.01	6	.38	.03	.20	1	26
84639	444	2914	3	36	2.7	10	11	737	1.50	9	5	ND	8	426	.2	2	2	11	2.32	.065	13	5	.51	109	.01	5	.53	.03	.19	2	40
84640	251	2126	2	35	2.5	10	10	729	1.80	6	5	ND	8	388	.2	2	2	17	1.83	.066	13	7	.54	84	.03	4	.54	.03	.23	3	41
84641	372	3253	4	38	2.2	13	11	513	2.02	6	5	ND	7	467	.2	2	3	23	2.08	.066	16	8	.66	93	.04	3	.62	.04	.27	1	47
84642	140	2037	2	42	1.1	14	11	249	1.81	4	5	ND	7	257	.2	2	2	30	1.44	.072	16	11	.62	180	.07	2	.69	.04	.30	1	44
84643	214	2983	2	40	1.6	12	9	167	1.40	5	5	ND	7	400	.2	2	2	38	1.10	.066	16	11	.73	222	.08	3	.79	.05	.34	2	48
84644	147	2409	2	33	1.3	12	10	187	1.59	5	5	ND	8	290	.2	2	2	44	.99	.076	17	12	.84	251	.11	2	.86	.06	.43	2	56
84645	378	2525	2	50	1.4	14	12	187	1.68	4	5	ND	8	240	.2	2	2	43	1.02	.074	17	13	.87	244	.10	3	.95	.05	.40	2	50
84646	181	2814	2	52	1.5	12	12	231	1.70	3	5	ND	7	360	.2	2	3	38	1.34	.072	17	12	.84	230	.08	3	.94	.05	.34	1	47
84647	145	3179	3	33	1.6	11	11	169	1.50	5	5	ND	7	597	.3	2	2	30	1.77	.075	17	9	.63	221	.08	4	.70	.06	.34	2	52
84648	254	2777	2	34	1.6	11	12	268	1.60	4	5	ND	7	84	.2	2	2	29	1.86	.072	15	8	.67	132	.07	3	.71	.03	.31	2	38
84651	78	1451	3	38	.5	12	9	179	2.30	2	5	ND	6	43	.2	2	2	58	.48	.091	18	12	1.04	381	.23	2	.99	.10	.64	1	29
84652	51	1078	2	27	.7	17	10	201	2.39	2	5	ND	7	48	.3	2	2	61	.67	.089	21	19	1.13	424	.20	4	1.07	.08	.56	1	20
84653	115	1249	2	27	.7	12	8	139	2.14	2	5	ND	7	23	.2	2	2	58	.35	.084	17	14	1.07	354	.25	2	.93	.06	.68	2	23
84654	70	1476	5	31	.7	11	9	147	2.34	3	5	ND	7	31	.2	2	3	58	.38	.088	20	12	1.04	338	.24	2	1.00	.09	.66	2	25
84655	110	1407	2	34	.7	12	9	228	2.54	3	5	ND	7	38	.2	2	2	55	.65	.089	18	12	1.05	310	.21	2	1.09	.08	.60	2	31
84656	124	1734	2	31	.9	15	9	184	2.74	3	5	ND	7	33	.2	2	2	56	.66	.096	24	13	1.08	322	.21	4	1.08	.07	.64	2	43
84657	140	1694	2	34	.8	14	9	232	2.30	3	5	ND	6	43	.2	2	2	58	.82	.094	30	18	1.19	252	.18	2	1.16	.07	.59	2	36
RE 84654	72	1478	2	32	.8	11	8	149	2.42	4	5	ND	7	31	.2	2	2	59	.39	.089	20	12	1.09	334	.25	2	1.01	.08	.66	3	24
84658	52	2307	2	44	1.6	18	12	329	2.67	14	5	ND	7	55	.2	2	2	66	1.19	.100	27	25	1.42	251	.16	4	1.40	.06	.55	2	51
84659	47	2459	2	39	1.3	18	13	242	2.94	11	5	ND	7	55	.2	2	2	70	.86	.101	23	29	1.55	219	.20	2	1.47	.09	.65	2	45
84660	72	1953	3	27	1.1	12	8	193	2.14	5	5	ND	6	35	.2	2	2	54	.71	.086	20	16	1.05	247	.15	4	1.05	.07	.46	1	51
84661	76	1640	2	30	1.0	9	10	207	2.72	7	5	ND	7	91	.2	2	2	61	.96	.084	17	13	1.01	220	.14	2	1.29	.11	.45	3	39
84662	43	2287	2	33	1.5	12	12	176	2.89	10	5	ND	7	41	.2	4	2	60	.91	.092	19	13	1.08	160	.12	2	1.20	.08	.41	4	51
STANDARD C/AU-R	21	61	43	137	7.5	73	32	1079	4.01	42	19	7	40	52	19.0	16	22	61	.49	.095	39	60	.89	182	.09	35	1.90	.06	.14	12	462

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
84663	104	1412	2	38	.9	16	12	255	3.22	4	5	ND	4	70	.2	2	2	72	1.17	.101	17	23	1.28	297	.17	3	1.57	.12	.68	1	24
84664	114	3136	2	39	2.1	20	15	261	2.89	7	5	ND	3	60	.2	2	2	63	1.39	.088	18	25	1.21	170	.11	3	1.30	.09	.54	2	70
84665	137	2057	2	34	1.3	10	6	200	1.89	2	5	ND	4	63	.4	2	2	37	1.55	.083	26	10	.82	306	.04	3	1.02	.07	.29	2	51
84666	121	1155	2	37	.6	10	7	274	2.05	5	5	ND	4	61	.2	2	2	37	1.66	.087	27	11	.93	335	.04	2	.92	.07	.27	2	32
84667	85	2188	3	33	1.8	10	7	634	2.32	12	5	ND	3	56	.2	2	2	32	2.11	.069	25	10	.75	225	.02	2	.66	.06	.23	1	35
84668	126	2204	2	35	1.0	12	8	213	1.92	2	5	ND	5	57	.4	2	2	36	1.73	.082	30	11	.86	248	.02	2	1.06	.07	.19	1	39
RE 84673	189	2601	2	32	1.3	11	12	168	2.37	14	5	ND	3	53	.3	2	3	42	1.24	.078	18	11	.95	194	.06	2	1.18	.08	.30	1	95
84669	129	1760	2	29	1.1	10	8	173	2.15	4	5	ND	6	50	.2	2	2	44	1.23	.079	26	11	.89	248	.05	2	1.14	.08	.26	1	42
84670	58	1855	2	33	1.3	11	10	245	2.42	8	5	ND	6	55	.2	2	2	44	1.39	.078	20	13	.96	240	.04	2	1.23	.08	.27	2	64
84671	183	3060	2	30	1.8	12	14	168	2.90	4	5	ND	6	48	.4	2	2	57	.81	.085	22	14	1.11	329	.13	2	1.34	.12	.51	2	72
84672	75	1899	2	29	1.1	14	13	161	2.91	8	5	ND	7	40	.2	2	2	59	.72	.087	14	14	1.19	319	.14	2	1.32	.10	.53	1	77
84673	198	2654	2	33	1.5	12	12	176	2.45	13	5	ND	5	54	.2	2	2	44	1.27	.083	18	12	1.01	193	.06	3	1.22	.08	.31	2	107
84674	112	2084	4	36	2.7	11	11	531	2.26	16	5	ND	4	50	.2	2	2	30	2.01	.084	17	8	.82	148	.03	3	.69	.05	.23	2	99
84675	178	2590	4	34	2.7	13	10	512	2.07	6	5	ND	5	48	.2	2	2	34	1.71	.080	19	9	.96	209	.04	2	.93	.06	.25	1	105
84676	737	3251	2	29	2.4	13	10	275	1.82	5	5	ND	4	42	.2	2	2	36	1.07	.078	20	11	.97	236	.07	2	1.01	.07	.34	1	116
84677	97	2885	2	34	1.5	22	11	244	2.47	4	5	ND	2	69	.7	2	3	61	1.48	.078	14	32	1.47	210	.13	3	1.57	.11	.61	2	81
84678	76	4398	3	35	3.2	14	12	293	2.51	5	5	ND	4	45	.5	2	2	54	1.33	.089	13	15	1.09	150	.09	2	1.13	.08	.40	2	125
84679	189	2458	2	28	2.0	12	9	520	2.29	4	5	ND	2	54	.4	2	2	50	2.08	.069	13	13	1.10	142	.08	2	1.07	.08	.45	1	70
84680	257	1718	2	24	1.3	13	9	185	1.81	4	5	ND	5	39	.3	3	2	58	1.08	.083	19	15	1.04	199	.12	3	1.01	.09	.58	1	59
84681	500	4487	2	29	2.4	13	15	206	2.05	6	5	ND	5	38	.2	2	2	33	1.29	.070	17	10	.77	135	.04	2	.65	.07	.29	2	113
84682	237	4707	2	27	2.7	14	14	144	2.13	7	5	ND	4	35	.2	2	2	42	1.01	.069	15	13	.87	164	.06	2	.80	.06	.35	2	130
84683	174	4106	2	26	2.5	13	15	202	2.08	5	7	ND	6	34	.2	2	2	37	1.16	.068	12	10	.85	133	.05	2	.70	.06	.32	1	102
84684	226	5494	2	34	3.4	15	19	352	2.25	7	5	ND	7	35	.2	2	2	21	1.26	.064	14	7	.57	94	.01	3	.41	.05	.19	1	120
84685	187	4569	2	30	3.4	13	18	239	2.43	5	5	ND	5	36	.2	2	2	32	1.15	.068	11	10	.75	113	.03	4	.66	.06	.25	2	87
84686	175	1846	2	35	1.2	11	12	220	1.90	4	5	ND	4	40	.2	2	2	43	.98	.073	18	13	.98	187	.07	2	.98	.06	.34	2	54
84687	272	3526	3	45	2.1	14	11	431	2.15	6	5	ND	5	46	.2	2	2	41	1.24	.067	18	13	1.05	137	.05	2	1.06	.07	.33	1	101
84688	168	2331	3	37	1.3	13	12	238	1.88	2	5	ND	5	40	.2	2	2	40	1.02	.075	14	12	.90	160	.05	2	.92	.07	.30	1	72
84689	460	2962	2	34	2.2	10	10	504	1.74	3	5	ND	6	52	.2	2	3	27	1.39	.065	15	8	.72	110	.02	2	.63	.05	.23	2	64
84690	250	2359	3	33	1.7	12	12	321	2.17	3	5	ND	6	51	.2	2	2	43	.91	.071	21	12	.94	115	.07	3	.89	.07	.35	2	84
84691	170	2633	2	32	1.9	14	13	336	2.41	2	5	ND	5	40	.2	2	2	41	.96	.070	21	13	.88	89	.07	2	.92	.07	.37	1	54
84692	87	2265	4	42	1.6	14	12	376	2.61	2	9	ND	5	39	.2	4	2	46	.99	.082	16	16	1.03	171	.07	3	1.10	.06	.36	2	72
84693	115	2891	5	40	2.2	12	12	371	2.34	3	5	ND	7	35	.2	2	2	37	1.01	.068	14	11	.88	103	.05	3	.96	.06	.30	2	74
84694	179	3935	3	33	3.5	12	15	433	2.13	4	5	ND	6	32	.2	2	2	35	1.00	.062	11	10	.82	113	.05	3	.80	.05	.34	2	91
84695	104	3202	5	31	1.7	13	13	205	2.15	2	5	ND	6	34	.2	2	2	47	.80	.072	12	13	1.01	165	.10	2	1.00	.07	.50	1	48
84696	76	3217	3	41	1.7	12	13	172	1.93	2	5	ND	6	29	.7	2	2	51	.66	.069	14	15	.98	184	.11	2	.92	.07	.49	1	87
84697	92	916	3	33	.5	12	9	195	2.84	2	5	ND	6	38	.2	2	2	60	.72	.093	15	12	1.10	339	.19	2	1.14	.09	.68	1	25
84698	66	1376	2	24	.5	12	10	134	2.47	2	5	ND	5	34	.2	2	2	60	.58	.089	13	13	1.08	326	.20	2	1.09	.09	.73	1	44
STANDARD C/AU-R	20	58	43	131	7.3	70	32	1042	3.95	44	16	7	40	53	18.8	19	17	60	.49	.087	41	60	.90	176	.08	34	1.92	.07	.15	11	451

Samples beginning 'RE' are duplicate samples.

DOROTHY PROPERTY Analysis Results from 1991 Re–Sampling of 1971 Drill Core					
Sample Number	Drill Hole	From (Feet)	To (Feet)	Au (ppb)	Cu (ppm)
84557	DDH–2	10	20	7	224
84558	DDH–2	20	30	5	156
84559	DDH–2	30	40	8	917
84560	DDH–2	40	50	26	1268
84561	DDH–2	50	60	22	1617
84562	DDH–2	60	70	7	621
84563	DDH–2	70	80	26	1272
84564	DDH–2	80	90	10	1366
84565	DDH–2	90	100	12	1273
84566	DDH–2	100	110	130	2814
84567	DDH–2	110	120	12	1733
84568	DDH–2	120	130	110	2583
84569	DDH–2	130	140	28	3274
84570	DDH–2	140	150	34	2828
84571	DDH–2	150	160	40	3226
84572	DDH–2	160	170	31	2453
84573	DDH–2	170	180	34	3366
84574	DDH–2	180	190	37	3450
84575	DDH–2	190	200	46	3842
84576	DDH–2	200	210	26	1203
84577	DDH–2	210	220	41	2056
84578	DDH–2	220	230	57	2073
84579	DDH–2	230	240	56	3335
84580	DDH–2	240	250	120	3941
84581	DDH–2	250	260	100	3891
84582	DDH–2	260	270	59	4495
84583	DDH–2	270	280	84	3982
84584	DDH–2	280	290	64	2768
84585	DDH–2	290	300	120	2437
84586	DDH–2	300	310	100	1759
84587	DDH–2	310	320	90	3533
84588	DDH–2	320	330	52	2401
84589	DDH–2	330	340	71	3327
84590	DDH–2	340	350	39	2287
84591	DDH–2	350	360	65	3617
84592	DDH–2	360	370	66	2714
84593	DDH–2	370	380	81	4307
84594	DDH–2	380	390	55	2523
84595	DDH–2	390	400	85	3449
84596	DDH–2	400	410	76	3609
84597	DDH–2	410	420	84	3675
84598	DDH–2	420	430	31	1602

DOROTHY PROPERTY

Analysis Results from 1991 Re–Sampling of 1971 Drill Core

Sample Number	Drill Hole	From (Feet)	To (Feet)	Au (ppb)	Cu (ppm)
84599	DDH–2	430	440	23	1365
84600	DDH–2	440	450	76	4452
84601	DDH–14	94	104	46	3636
84602	DDH–14	104	114	41	3051
84603	DDH–14	114	124	66	4899
84604	DDH–14	124	134	41	2934
84605	DDH–14	134	144	85	5564
84606	DDH–14	144	154	124	7028
84607	DDH–14	154	164	57	4247
84608	DDH–14	164	174	89	6657
84609	DDH–14	174	184	64	4685
84610	DDH–14	184	194	51	4056
84611	DDH–14	194	204	54	2962
84612	DDH–14	204	214	56	3977
84613	DDH–14	214	224	79	4590
84614	DDH–14	224	234	73	5926
84615	DDH–14	234	244	35	4377
84616	DDH–14	244	254	33	2379
84617	DDH–14	254	264	37	3004
84618	DDH–14	264	274	36	2940
84619	DDH–14	274	284	53	3490
84620	DDH–14	284	295	38	3828
84621	DDH–14	295	298	38	3164
84622	DDH–14	298	308	34	3030
84623	DDH–14	308	318	37	4027
84624	DDH–14	318	328	42	3381
84625	DDH–14	328	338	36	4111
84626	DDH–14	338	348	50	4130
84627	DDH–14	348	358	39	2363
84628	DDH–14	358	368	48	3199
84629	DDH–14	368	378	51	2470
84630	DDH–19	94	104	44	2032
84631	DDH–19	104	114	26	1587
84632	DDH–19	114	124	30	1328
84633	DDH–19	124	134	25	1426
84634	DDH–19	134	144	32	1559
84635	DDH–19	144	154	34	1492
84636	DDH–19	154	164	90	3982
84637	DDH–19	164	174	42	2788
84638	DDH–19	174	184	26	2390
84639	DDH–19	184	194	46	2914
84640	DDH–19	194	204	41	2126

DOROTHY PROPERTY

Analysis Results from 1991 Re–Sampling of 1971 Drill Core

Sample Number	Drill Hole	From (Feet)	To (Feet)	Au (ppb)	Cu (ppm)
84641	DDH–19	204	214	47	3253
84642	DDH–19	214	224	44	2037
84643	DDH–19	224	234	48	2983
84644	DDH–19	234	244	56	2409
84645	DDH–19	244	254	50	2525
84646	DDH–19	254	264	47	2814
84647	DDH–19	264	268	52	3179
84648	DDH–19	288	295	38	2777
84651	DDH–19	204	214	29	1451
84652	DDH–19	214	224	20	1078
84653	DDH–19	224	234	23	1249
84654	DDH–19	234	244	25	1476
84655	DDH–19	244	254	31	1407
84656	DDH–19	254	264	43	1734
84657	DDH–19	264	268	36	1694
84658	DDH–19	288	295	51	2307
84659	DDH–19	204	214	45	2459
84660	DDH–19	214	224	51	1953
84661	DDH–19	224	234	39	1640
84662	DDH–19	234	244	51	2287
84663	DDH–19	244	254	24	1412
84664	DDH–19	254	264	70	3136
84665	DDH–19	264	268	51	2057
84666	DDH–19	288	295	32	1155
84667	DDH–19	204	214	35	2188
84668	DDH–19	214	224	39	2204
84669	DDH–19	224	234	42	1760
84670	DDH–19	234	244	64	1855
84671	DDH–19	244	254	72	3060
84672	DDH–19	254	264	77	1899
84673	DDH–19	264	268	107	2654
84674	DDH–19	288	295	99	2084
84675	DDH–19	204	214	105	2590
84676	DDH–19	214	224	116	3251
84677	DDH–19	224	234	81	2885
84678	DDH–19	234	244	125	4398
84679	DDH–19	244	254	70	2458
84680	DDH–19	254	264	59	1718
84681	DDH–19	264	268	113	4487
84682	DDH–19	288	295	130	4707
84683	DDH–19	204	214	102	4106
84684	DDH–19	214	224	120	5494

DOROTHY PROPERTY Analysis Results from 1991 Re–Sampling of 1971 Drill Core					
Sample Number	Drill Hole	From (Feet)	To (Feet)	Au (ppb)	Cu (ppm)
84685	DDH–19	224	234	87	4569
84686	DDH–19	234	244	54	1846
84687	DDH–19	244	254	101	3526
84688	DDH–19	254	264	72	2331
84689	DDH–19	264	268	64	2962
84690	DDH–19	288	295	84	2359
84691	DDH–19	204	214	54	2633
84692	DDH–19	214	224	72	2265
84693	DDH–19	224	234	74	2891
84694	DDH–19	234	244	91	3935
84695	DDH–19	244	254	48	3202
84696	DDH–19	254	264	87	3217
84697	DDH–19	264	268	25	916
84698	DDH–19	288	295	44	1376

APPENDIX B

SELECTED 1971 DRILLLOGS

Evergreen Explorations Ltd.

Sheet 1

PROPERTY DOROTHY DRILL HOLE #2

LATITUDE 0 North DATE STARTED

DEPARTURE 8 West DATE COMPLETED

DIP -45° East DRILLED BY D. W. Coates

ELEVATION LOGGED BY Neil Thomsen

Depth	Geology	Sample No	Width	Cu	MoS_2
0 - 7	Casing				
7 - 20	Acid dyke with sericite or muscovite. Minute amounts of diss py present	141	13'	Trace	Trace
20 - 30	Same as above	142	10'	Trace	Trace
30 - 40	Acid dyke but is more broken and brecciated with slightly mineralized qtz & calcite stringers. Have change at 38' to a harder finer-grained acidic rock with more py & some cpy.	143	10'	0.08	0.01
40 - 50	A fine-grained, slightly porphryitic, light gray rock (possibly a bleached hornfels(?) with py, cpy, some moly and chlorite	144	10'	0.09	0.03
50 - 60	Same as above with variation from light to dark to light colour.	145	10'	0.17	0.01
60 - 70	Very broken core, still light, fine-grained rock with py and cpy. 50% recovery.	146	~~10'~~ 5'	0.07	0.01
70 - 80	Same as above. 60% recovery.	147	~~10'~~ 6'	0.14	0.01
80 - 90	Same as above though mostly dark, fine-grained hornfels.	148	10'	0.14	0.02
90 - 100	Same as above with much py, cpy and some moly.	149	10'	0.15	0.03
100 - 110	Same as above, core badly broken and fractured, 75% recovery	150	~~10'~~ 7.5'	0.21	0.03
110 - 120	Same as above with quartz stringers present	151	10'	0.24	0.02
120 - 130	Hornfels badly fractured in all directions, with many minute qtz. stringers. Much py, cpy, some moly.	152	10'	0.28	0.03
130 - 140	Same as above	153	10'	0.23	0.02

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Sheet 2

PROPERTY DOROTHY   DRILL HOLE #2

LATITUDE ______   DATE STARTED ______

DEPARTURE ______   DATE COMPLETED ______

DIP 45^{o} DRILLED BY ______

ELEVATION ______   LOGGED BY Neil Thomsen

Depth	Geology	Sample No	Width	Cu	MoS_2
140 - 150	Same as above	154	10'	0.34	0.02
150 - 160	Same as above	155	10'	0.26	0.03
160 - 170	Same as above	156	10'	0.24	0.03
170 - 180	Same as above	157	10'	0.48	0.02
180 - 190	Fault at 183, then hornfels to 190	158	10'	0.37	0.05
190 - 200	Same as above with fault at 198	159	10'	0.51	0.02
200 - 210	Beginning at 201 have long shear zone	160	10'	0.15	0.05
	or contact zone with most of rock being				
	badly altered with much qtz and calcite.				
	Have few pieces of BFP.				
210 - 220	Acid dike from 210 - 214. Very little	161	10'	0.14	0.01
	mineralization, then BFP, fractured and				
	altered with some py and cpy to 220.				
220 - 230	Very badly altered or weathered core to	162	10'	0.22	0.02
	222, then BFP to 230 though not much mineral.				
230 - 240	Change at 230 back to hornfels with slight	163	10'	0.32	0.01
	porphryitic texture, much py and cpy along				
	fractures.				
240 - 250	Hornfels with slight porphyritic texture in	164	10'	0.44	0.01
	spots, many minute qtz and calcite stringers,				
	with much py and cpy along fractures. No				
	preferred direction for fractures.				
250 - 260	Same as above.	165	10'	0.43	0.02
260 - 270	Same as above	166	10'	0.43	0.01
270 - 280	Have shear zone from 269 to 273, then dark	167	10'	0.43	0.03
	BFP.				
280 - 290	BFP with qtz and calcite stringers, py, cpy	168	10'	0.25	0.02
	along fractures and some diss.				

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Sheet 3

PROPERTY DOROTHY DRILL HOLE #2

LATITUDE ______ DATE STARTED ______

DEPARTURE ______ DATE COMPLETED ______

DIP 45^{0} DRILLED BY ______

ELEVATION ______ LOGGED BY Neil Thomsen

Depth	Geology	Sample No	Width	Cu	MoS_2
290 - 300	BFP with fault (?) or severe alteration	169	10'	0.31	0.01
	at 297.				
300 - 310	BFP, though very dark and badly broken up.	170	10'	0.16	0.01
310 - 320	BFP, very broken and soft with little	171	10'	0.40	Trace
	mineral.				
320 - 330	Same as above	172	10'	0.19	0.01
330 - 340	Change at 335 to hornfels which has less	173	10'	0.32	0.01
	py and cpy as formerly.				
340 - 350	Hornfels with little py and cpy. Core is	174	10'	0.21	0.01
	badly broken and fractured. A few qtz				
	stringers.				
350 - 360	Same as above	175	10'	0.29	0.01
360 - 370	Same as above	176	10'	0.27	0.01
370 -380	Same as above with more qtz. stringers	177	10'	0.43	0.01
380 - 390	Hornfels with many minute qtz stringers,	178	10'	0.18	0.01
	small amounts of py and cpy along fractures,				
	slightly magnetic.				
390 - 400	Same as above with moly on some qtz stringers	179	10'	0.31	0.01
400 - 410	Same as above	180	10'	0.32	0.02
410 - 420	Hornfels slightly porphyritic to 415, then	181	10'	0.27	0.01
	have BFP from 415 - 420. Contact between				
	the two rock types is gradational, not sharp.				
	BFP contains py, cpy, moly, mostly along				
	fractures.				
420 - 430	BFP, same as above	182	10'	0.15	0.01
430 - 440	BFP with more qtz stringers, is lighter	183	10'	0.12	0.01
	colored at 440.				

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Sheet 4

PROPERTY DOROTHY DRILL HOLE #2

LATITUDE ____ DATE STARTED ____

DEPARTURE ____ DATE COMPLETED ____

DIP 45^{o} DRILLED BY ____

ELEVATION ____ LOGGED BY Neil Thomsen

Depth	Geology	Sample No	Width	Cu	MoS_2
440 - 450	BFP, light colored with much cpy and py	184	10'	0.26	0.01
	both along fractures and as large diss.				
	crystals. Fractures from 30^{o} - 60^{o} with				
	less qtz stringers. Moly is present				
	along fractures.				
450 - 460	BFP. Same as above	185	10'	0.16	0.02
460 - 470	BFP. Still much cpy.	186	10'	0.29	0.03
470 - 480	BFP. Same as above	187	10'	0.11	0.02
480 - 490	BFP less diss. cpy but massive pyrite along	188	10'	0.06	0.01
	some veins and fractures.				
490 - 500	BFP with cpy and py along fractures and	189	10'	0.07	0.02
	some diss. Some qtz stringers.				
500 - 510	BFP. Same as above.	190	10'	0.07	0.05
510 - 520	BFP. Same as above.	191	10'	0.06	0.01
520 - 530	BFP. Same as above	192	10'	0.07	0.01
530 - 536	BFP. Same as above.				
	End of hole.				
	BFP - biotized feldspar porphyry				
	cpy - chalcopyrite				
	py - pyrite				
	diss - disseminated				
	qtz - quartz				
	mag - magnetic or magnetite				
	non mag - non magnetic				
	cu - copper				
	born - bornite				
	moly - molybdenum				

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Sheet 1

PROPERTY DOROTHY DRILL HOLE #10

LATITUDE 7 + 90' North
DEPARTURE 8 + 20' West
DIP -45° East
ELEVATION
DATE STARTED
DATE COMPLETED
DRILLED BY
LOGGED BY Neil Thomsen

Depth	Geology	Sample No	Width	Cu	MoS_2
0 - 35	Casing				
35 - 40	BFP with much cpy and some py, mostly in	44052 C	5'	0.17	0.01
	very small diss. Slightly magnetic with				
	visible mag. occurring in spots. Fractures				
	at 0 - 20° and 45° - 60°.				
40 - 50	BFP same as above	44053 C	10'	0.10	0.01
50 - 60	BFP same as above	44054 C	10'	0.12	0.02
60 - 70	BFP same as above but moly is now present	44055 C	10'	0.14	0.02
70 - 80	BFP same as above	44056 C	10'	0.14	0.02
80 - 90	BFP with increase in cpy.	44057 C	10'	0.16	0.03
90 - 100	BFP. Same as above, possibly some bornite	44058 C	10'	0.15	0.01
100 - 110	BFP, same as above	44059 C	10'	0.19	0.01
110 - 120	BFP, same as above	44060 C	10'	0.21	0.02
120 - 130	BFP, same as above with more moly. Have	44061 C	10'	0.18	0.01
	xenolith (?) or very steep-angled mafic				
	dykelet at 121'				
130 - 140	BFP. Same as above	44062 C	10'	0.16	0.03
140 - 150	BFP. Same as above.	44063 C	10'	0.18	0.02
150 - 160	BFP with mineralized xenolith at 151	44064 C	10'	0.12	0.02
160 - 170	BFP. Same as above with xenolith(?) at	44065 C	10'	0.19	0.01
	167. Have same mineralized qtz. stringers				
170 - 180	BFP with py and cpy, both diss and along	(44066 C	13'	0.20	0.01
	fractures. Magnetic moly present	170 - 183)			
180 - 190	BFP to 183 then post-mineral acid dyke,				
	chill margin 1' wide				
190 - 205	Acid Dyke with xenoliths of BFP	N. S.			
205 - 210	BFP with py and cpy	44067 C	5'	0.19	0.02
210 - 220	BFP becoming more silicified with some	44068 C	10'	0.10	0.02
	specularite present along with py and cpy.				

Evergreen Explorations Ltd.

Sheet 2

PROPERTY Dorothy DRILL HOLE #10

LATITUDE 7 + 90' North DATE STARTED

DEPARTURE 8 + 20' West DATE COMPLETED

DIP - 45^0 East DRILLED BY

ELEVATION LOGGED BY Neil Thomsen

Depth	Geology	Sample No	Width	Cu	MoS_2
220 - 230	BFP same as above	44069 C	10'	0.24	0.02
230 - 240	BFP. Same as above	44070 C	10'	0.11	0.02
240 - 250	BFP, same as above	44071 C	10'	0.17	0.02
250 - 260	BFP about .2 cpy and trace of moly. Very little py.	44072 C	10'	0.21	0.02
260 - 270	BFP with .3 to .4 cpy. A little more moly and some magnetite py same as above	44073 C	10'	0.28	0.02
270 - 280	BFP about .3 cpy and moly in quartz stringers and on fractures and visible magnetite. Little py	44074 C	10'	0.18	0.02
280 - 290	BFP. Cpy same as above and magnetite. Little more moly in quartz stringers and a little more py.	44075 C	10'	0.23	0.02
290 - 300	BFP kaolinized with diss. cpy .3 and moly on fractures. Little more py.	44076 C	10'	0.19	0.02
300 - 310	BFP kaolinized with a little more cpy .3 to .4 and more visible magnetite and some moly on slip fractures. Little more py.	44077 C	10'	0.28	0.02
310 - 320	BFP with more quartz stringers and larger with more moly and cpy .5 - .6 py with some epidote. Very well fractured	44078 C	10'	0.26	0.07
320 - 330	BFP with stringers of hornsfel and some massive epidote. Cpy .4 - .5. A little less moly and py.	44079 C	10'	0.26	0.03
330 - 340	BFP very well fractured. Traces of moly and much less cpy .1 - .2. A little more py	44080 C	10'	0.15	0.02
340 - 350	BFP. Much more cpy .3 - .4, and a little more moly.	44081 C	10'	0.38	0.03

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Sheet 3

PROPERTY Dorothy DRILL HOLE #10

LATITUDE 7 + 90' North DATE STARTED

DEPARTURE 8 + 20' West DATE COMPLETED

DIP -45^0 East DRILLED BY RXXRXXQXRKXQK

ELEVATION LOGGED BY R. C. O'Brien

Depth	Geology	Sample No	Width	Cu	MoS_2
350 - 360	BFP with cpy about .3 - .4 kaolinized in	44082 C	10'	0.38	0.02
	sections. Traces of moly and a little				
	more py.				
360 - 370	BFP kaolinized in some sections better cpy	44083 C	10'	0.19	0.03
	diss. Where kaolinized .2 or .3 more moly				
	on fractures and a little more py				
370 - 380	BFP with more stringers of hornsfel cpy	44084 C	10'	0.18	0.04
	.2 or .3. Traces of moly and py				
380 - 390	BFP with kaolinized sections very good diss.	44085 C	10'	0.49	0.14
	of cpy in kaolinized sections .5 or .6.				
	Much more moly and a little more py.				
390 - 400	BFP. Diss cpy about .3 or .4. Some moly	44086 C	10'	0.39	0.05
	and traces of magnetite.				
400 - 410	BFP with diss. cpy .2 or .3 with traces	44087 C	10'	0.37	0.04
	of moly and magnetite and more py				
410 - 420	BFP kaolinized in some sections with more	44088 C	10'	0.43	0.06
	py and cpy .3 or .4 in kaolinized sections				
	with more moly and traces of magnetite and				
	hematite.				
420 - 430	BFP with cpy .3 or .4 and moly. More py	44089 C	10'	0.31	0.03
	with traces of magnetite				
430 - 440	BFP with less cpy .2 or .3 and less moly	44090 C	10'	0.22	0.04
	still py with magnetite.				
440 - 450	BFP with cpy .2 - .3 and moly on fractures	44091 C	10'	0.29	0.04
	a little less py.				
450 - 460	BFP with cpy .2 or .3. Traces of moly	44092 C	10'	0.22	0.04
	with more py and some epidote				
460 - 470	BFP with kaolinized sections better cpy	44093	10'	0.35	0.05
	diss. in kaolinized section .3 - .4. More				
	moly. less py				

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Sheet 4

PROPERTY Dorothy DRILL HOLE #10

LATITUDE 7 + 90' North DATE STARTED

DEPARTURE 8 + 20' West DATE COMPLETED

DIP -45^{o} East DRILLED BY

ELEVATION LOGGED BY R. C. O'Brien

Depth	Geology	Sample No	Width	Cu	MoS_2
470 - 480	BFP with kaolinized sections less cpy .2	44094 C	10'	0.23	0.05
	to .3 and less moly and more py				
480 - 490	BFP, with kaolinized sections more cpy .3	44095 C	10'	0.28	0.03
	to .4 in kaolinized sections and more moly				
	less py				
490 - 500	BFP with kaolinized sections, less cpy .2	44096 C	10'	0.28	0.02
	to .3 and less moly more py				
500 - 510	BFP with less cpy .1 - .2 and traces of moly	44097 C	10'	0.29	0.02
	much more py				
510 - 520	BFP with kaolinized section more cpy .3 -	44098 C	10'	0.55	0.02
	.4 in kaolinized sections and more moly,				
	a little less py				
520 - 530	BFP with good cpy .4 - .5 diss. Traces of	44099 C	10'	0.36	0.02
	moly and less py				
530 - 540	Same as above	44100 C	10'	0.36	0.02
540 - 550	BFP with a little less cpy .3 - .4 and	44101 C	10'	0.16	0.01
	more moly,py about the same. Some epidote				
550 - 558	BFP with about the same cpy .3 - .4 and	44102 C	8'	0.18	Trace
	just traces of moly and some epidote and				
	py and traces of magnetite				
	End of hole				
	BFP - biotized feldspar porphyry				
	Cpy - chalcopyrite				
	py - pyrite				
	diss - disseminated				
	qtz - quartz				
	mag - magnetite or magnetic				
	non mag - non magnetic				
	cu - copper				
	born - bornite				
	moly - molybdenum				
	por - porphyritic				
	N. S. - No sample.				

Evergreen Explorations Ltd.

Sheet 1

PROPERTY DOROTHY DRILL HOLE #14

LATITUDE 12+00 North DATE STARTED July 24, 1971.
DEPARTURE 14+50 West DATE COMPLETED
DIP -90° DRILLED BY D. W. Coates
ELEVATION LOGGED BY R. W. Woolverton

Depth	Geology	Sample No	Width	Cu	MoS_2
60' - 94'	Late BFP (?) looks like an F.P. dyke or an andesite porphyry - f.g. original hbs. gone to chlorite and biotites are silvery colored (sericite?). Some epidote! pyrite, not magnetic hematite and spec., occasionally grain f.g. cpy. 1 ft. shear at 75', all fractures rusty, 45° chilled border at 94' against				
94' - 100'	BFP, grey por. variety, some patches honey brown material - remains of hbs(?), fine grey qtz. stringers, good cpy, cpy/py = 2/1, some MoS_2.	5501	6'	0.36	.035
100' - 108'	Late phase (?) BFP as above except some f.g. cpy, sheared at 100'	5502	8'	0.14	.002
108' - 118'	BFP, grey por. variety although biotites recognizable and brownish to fairly fresh, no sign of hbs. Some qtz. veinlettes, good cpy both f.g. dissem. and with qtz. Some MoS_2.	5503	10'	0.36	.073
118' - 128'	As above.	5504	10'	0.43	.063
128' - 138'	As above except rock becoming darker and less qtz. stringers, still good f.g. diss. cpy., minor MoS_2	5505	10'	0.45	.041
138' - 148'	As above	5506	10'	0.48	.032
148' - 158'	As above, cpy falling off	5507	10'	0.50	.020
158' - 168'	As above	5508	10'	0.34	.019
	NOTE: From 118' onwards, hb's and bios. very dark and felty - f.g.				
168' - 178'	BFP breccia, good cpy., some MoS_2	5509	10'	0.42	.027

Evergreen Explorations Ltd.

Sheet 2

PROPERTY DOROTHY DRILL HOLE #14

LATITUDE 12+00 North DATE STARTED July 24, 1971

DEPARTURE 14+50 West DATE COMPLETED

DIP -90^{0} DRILLED BY D. W. Coates

ELEVATION LOGGED BY R. W. Woolverton

Depth	Geology	Sample No	Width	Cu	MoS_2
178' - 188'	As above.	5510	10'	0.38	.043
188' - 198'	As above, some reduction in cpy.	5511	10'	0.27	.030
198' - 208'	As above, gypsum 202', MoS_2 increasing,	5512	10'	0.25	.045
	some fracturing; crumbling				
208' - 218'	Fractured BFP - incipient clay alteration?	5513	10'	0.31	.064
	Good MoS_2, fair cpy				
218' - 228'	As above, less crumbly	5514	10'	0.39	.032
228' - 238'	BFP, MoS_2, cpy., breccia	5515	10'	0.46	.031
238' - 248'	BFP as above, diss. cpy., MoS_2 with qtz.	5516	10'	0.18	.024
	veinlettes.				
248' - 258'	As above	5517	10'	0.19	.040
258' - 268'	BFP, crumbly, some sericite, fair MoS_2 and	5518	10'	0.26	.018
	cpy.				
268 - 278'	BFP, some cpy and MoS_2	5519	10'	0.31	.046
278' - 288'	BFP, as above, may be a breccia	5520	10'	0.25	.042
288' - 298'	BFP, bleached in short zones (sericite)	5521	10'	0.23	.035
	with more MoS_2.				
298' - 308'	BFP breccia, some cpy and MoS_2	5522	10'	0.28	.031
308 - 318'	BFP breccia as above, Cu increasing	5523	10'	0.41	.045
318' - 328'	BFP breccia, biotites scarce, some cpy.,	5524	10'	0.36	.036
	qtz. stringers with MoS_2, felspars kaolinized.				
328' - 338'	As above, slightly more crumbly	5525	10'	0.36	.037
338' - 348'	BFP breccia, cpy and MoS_2 decreases	5526	10'	0.34	.021
348' - 358'	As above	5527	10'	0.20	.015
358' - 368'	As above, crumbly	5528	10'	0.27	.015
368' - 378'	BFP, darker, some cpy.	5529	10'	0.22	.004
	End of hole.				

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Sheet 1

PROPERTY DOROTHY DRILL HOLE #19

LATITUDE 12+00 North DATE STARTED August 9, 1971

DEPARTURE 16+50 West DATE COMPLETED August 11, 1971

DIP -90^0 DRILLED BY D. W. Coates

ELEVATION LOGGED BY R. W. Woolverton

Depth	Geology	Sample No	Width	Cu	MoS_2
0 - 94	Casing				
94 - 104	BFP, fractures and stringers oxidized,	5575	10'	0.20	.008
	some cpy, minor MoS_2				
104 - 114	Mainly grey por., badly broken	5576	10'	0.14	.017
114 - 124	As above	5577	10'	0.12	.011
124 - 134	BFP, some cpy and MoS_2, minor chl.	5578	10'	0.16	.020
134 - 144	As above	5579	10'	0.16	.011
144 - 154	As above	5580	10'	0.17	.032
154 - 164	As above, 157 - 161 ground accidently	5581	10'	0.22	.020
164 - 174	BFP, some zones of grey por. and grey por.	5582	10'	0.26	.049
	breccia, some cpy.				
174 - 184	Mixed BFP and grey por.	5583	10'	0.20	.057
184 - 194	Grey por., badly broken	5584	10'	0.24	.078
194 - 204	Mainly BFP, some cpy	5585	10'	0.20	.042
204 - 214	As above, minor grey por. with MoS_2	5586	10'	0.37	.049
214 - 224	As above, still no sign of hbs.	5587	10'	0.24	.026
224 - 234	BFP, occasional chl. or green sericite	5588	10'	0.26	.034
	(hbs?), some qtz. stringers with MoS_2,				
	some cpy.				
234 - 244	As above, silicified zones	5589	10'	0.26	.019
244 - 254	As above, chl(?) increasing, less cpy.	5590	10'	0.25	.069
254 - 264	As above, some green sericite (?) often	5591	10'	0.24	.019
	bio(?)				
264 - 274	As above	5592	10'	0.22	.030
274 - 284	As above except more silicification and	5593	10'	0.35	.030
	cpy. Chl. disappears.				
284 - 295	BFP, no sign of hbs., good silicification,	5594	11'	0.29	.043
	some cpy and MoS_2.				
	End of hole.				

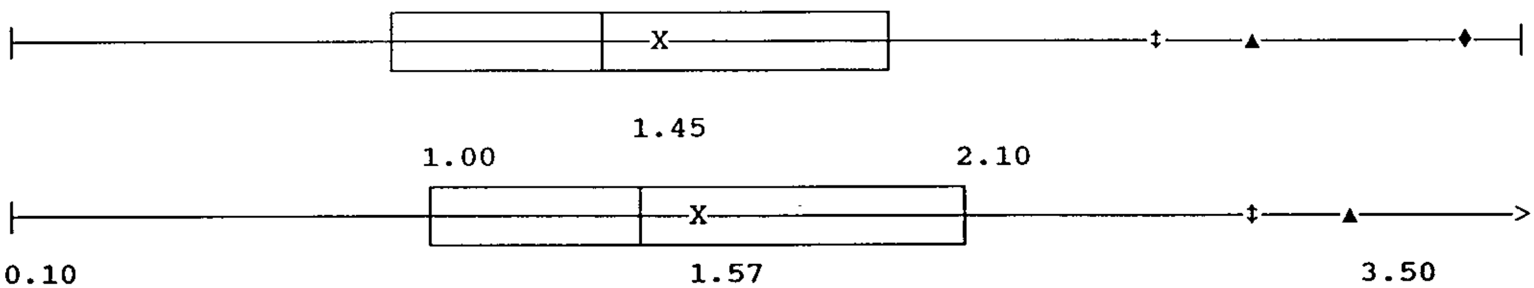
APPENDIX C

STATISTICALRESULTS

Statistical Analysis

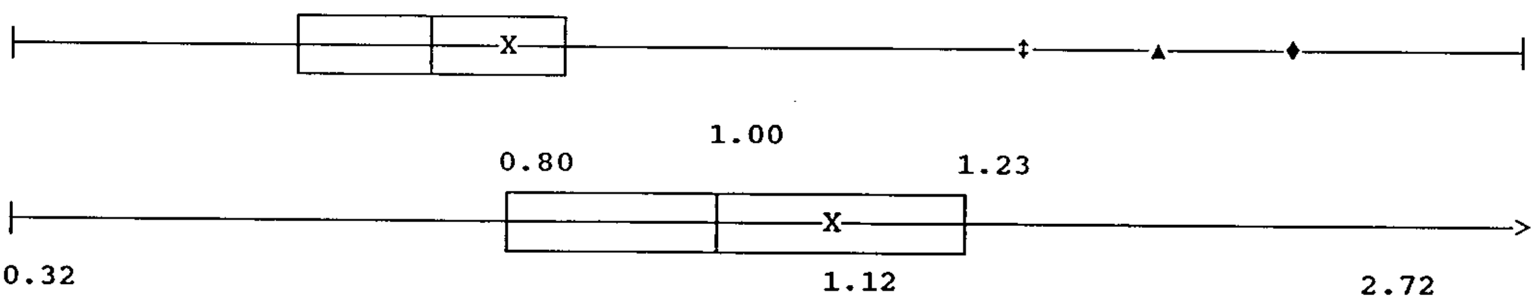
Analysis of AG (PPM) from file DOT.DBF

n =	140			
min =	0.100	St.Dev =	0.776	
max =	3.500	Var =	0.603	
x =	1.568	CV =	0.495	
M =	1.450	90% =	2.700	(‡)
Q1 =	1.000	95% =	2.900	(▲)
Q3 =	2.100	98% =	3.400	(♦)



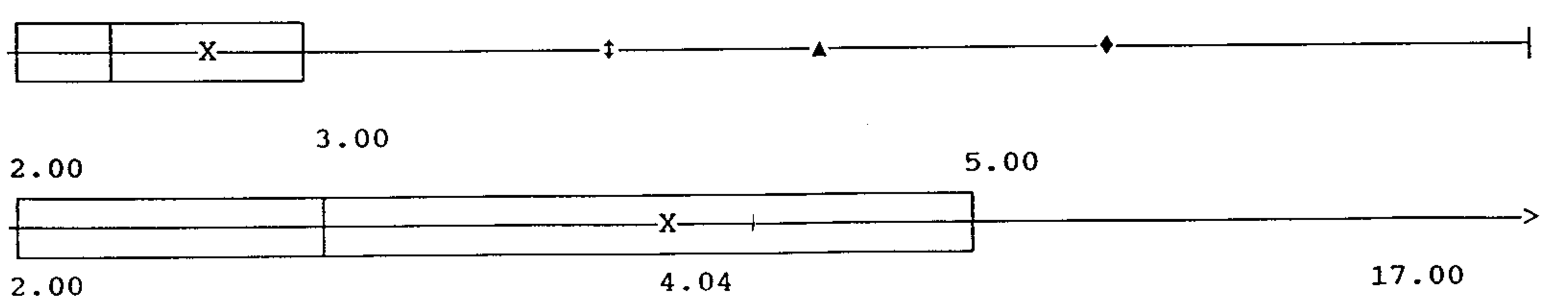
Analysis of AL (PCT) from file DOT.DBF

n =	140			
min =	0.320	St.Dev =	0.491	
max =	2.720	Var =	0.241	
x =	1.118	CV =	0.440	
M =	1.000	90% =	1.940	(‡)
Q1 =	0.800	95% =	2.160	(▲)
Q3 =	1.230	98% =	2.360	(♦)



Analysis of AS (PPM) from file DOT.DBF

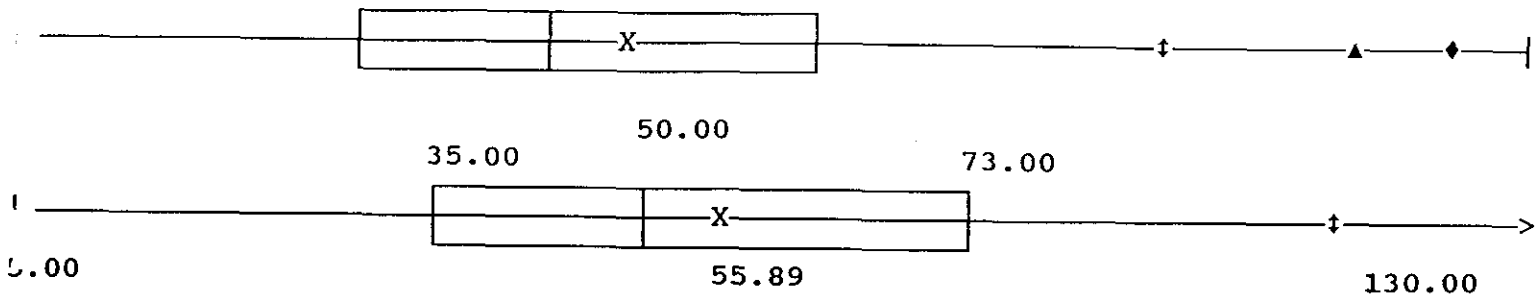
n =	140			
min =	2.000	St.Dev =	2.927	
max =	17.000	Var =	8.570	
x =	4.043	CV =	0.724	
M =	3.000	90% =	8.000	(‡)
Q1 =	2.000	95% =	10.000	(▲)
Q3 =	5.000	98% =	13.000	(♦)



Statistical Analysis

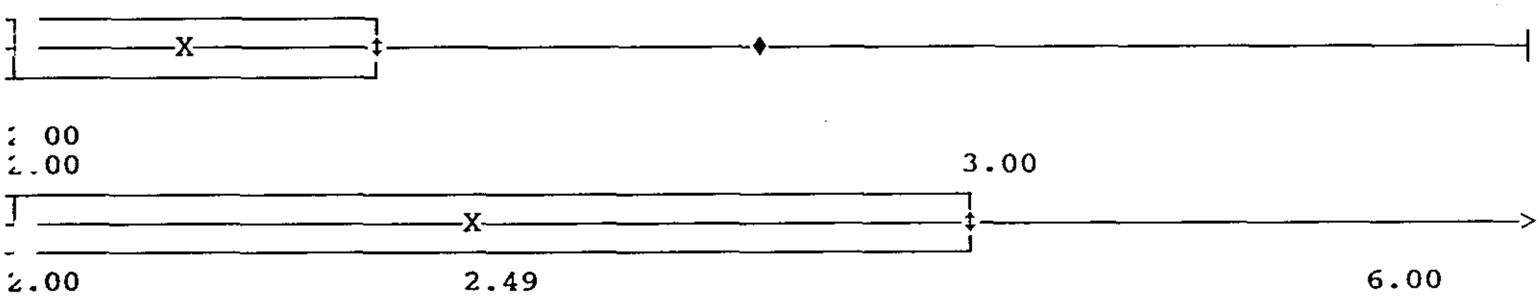
Analysis of AU (PPB) from file DOT.DBF

n =	140			
min =	5.000	St.Dev =	29.114	
max =	130.000	Var =	847.624	
x =	55.893	CV =	0.521	
M =	50.000	90% =	100.000	(‡)
Q1 =	35.000	95% =	116.000	(▲)
Q3 =	73.000	98% =	124.000	(♦)



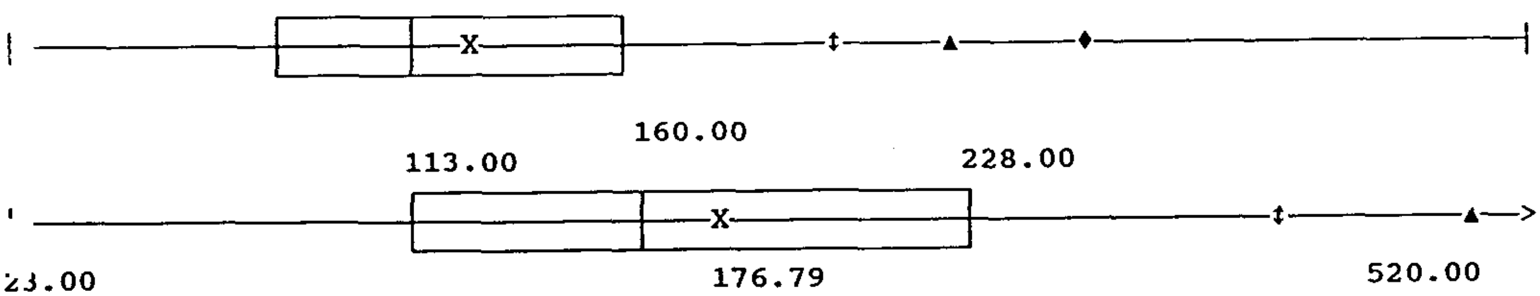
Analysis of B (PPM) from file DOT.DBF

n =	140			
min =	2.000	St.Dev =	0.741	
max =	6.000	Var =	0.550	
x =	2.486	CV =	0.298	
M =	2.000	90% =	3.000	(‡)
Q1 =	2.000	95% =	4.000	(▲)
Q3 =	3.000	98% =	4.000	(♦)



Analysis of BA (PPM) from file DOT.DBF

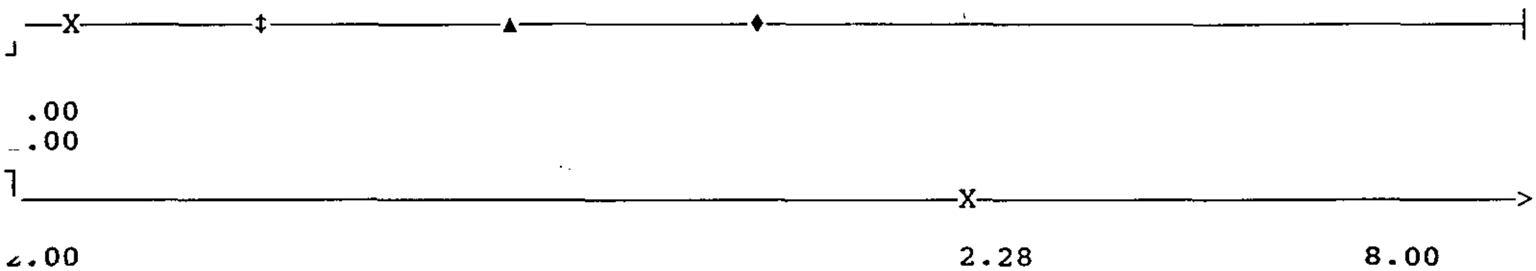
n =	140			
min =	23.000	St.Dev =	84.280	
max =	520.000	Var =	7103.140	
x =	176.786	CV =	0.477	
M =	160.000	90% =	297.000	(‡)
Q1 =	113.000	95% =	335.000	(▲)
Q3 =	228.000	98% =	381.000	(♦)



Statistical Analysis

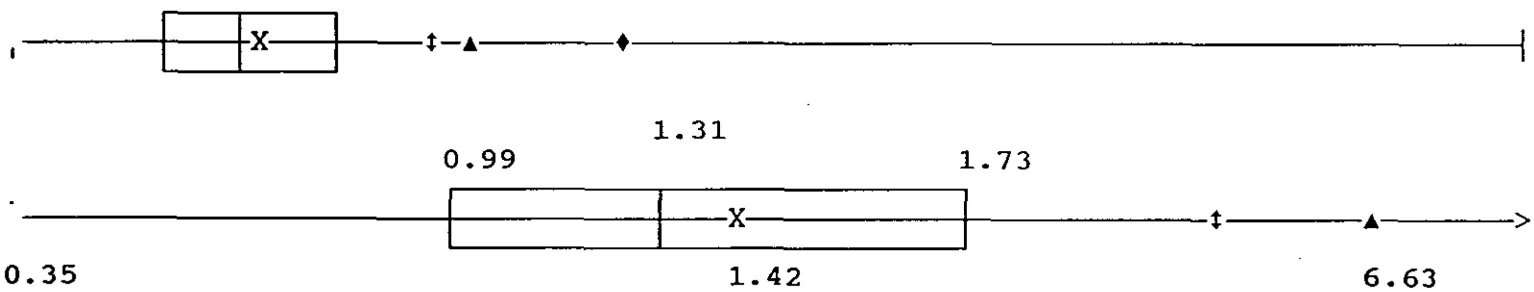
Analysis of BI (PPM) from file DOT.DBF

n =	140			
min =	2.000	St.Dev =	0.837	
max =	8.000	Var =	0.701	
x =	2.279	CV =	0.367	
M =	2.000	90% =	3.000	(‡)
Q1 =	2.000	95% =	4.000	(▲)
Q3 =	2.000	98% =	5.000	(♦)



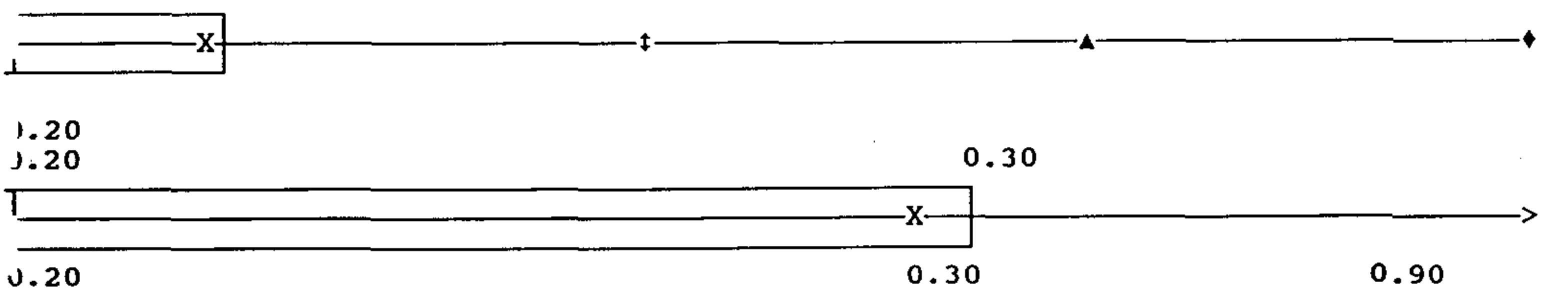
Analysis of CA (PCT) from file DOT.DBF

n =	140			
min =	0.350	St.Dev =	0.721	
max =	6.630	Var =	0.521	
x =	1.421	CV =	0.508	
M =	1.310	90% =	2.110	(‡)
Q1 =	0.990	95% =	2.310	(▲)
Q3 =	1.730	98% =	2.910	(♦)



Analysis of CD (PPM) from file DOT.DBF

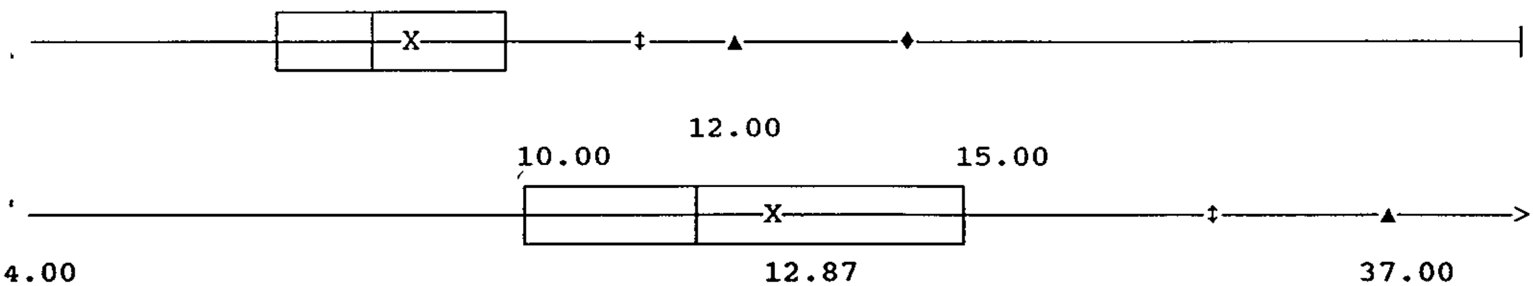
n =	140			
min =	0.200	St.Dev =	0.169	
max =	0.900	Var =	0.029	
x =	0.296	CV =	0.571	
M =	0.200	90% =	0.500	(‡)
Q1 =	0.200	95% =	0.700	(▲)
Q3 =	0.300	98% =	0.900	(♦)



Statistical Analysis

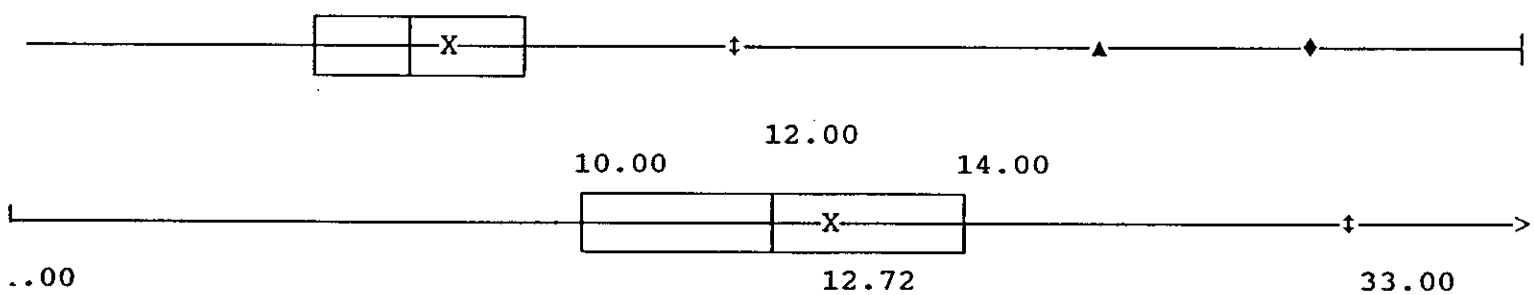
Analysis of CO (PPM) from file DOT.DBF

n =	140			
min =	4.000	St.Dev =	4.551	
max =	37.000	Var =	20.712	
x =	12.871	CV =	0.354	
M =	12.000	90% =	18.000	(‡)
Q1 =	10.000	95% =	20.000	(▲)
Q3 =	15.000	98% =	24.000	(♦)



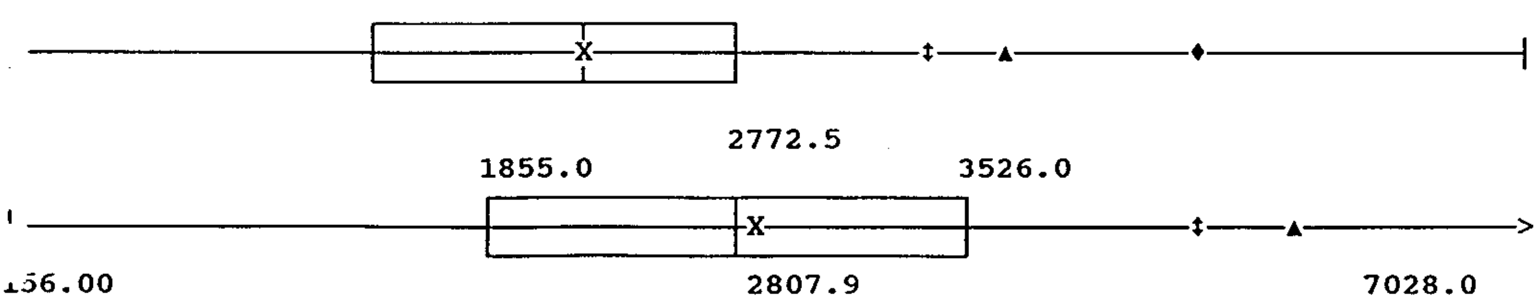
Analysis of CR (PPM) from file DOT.DBF

n =	140			
min =	4.000	St.Dev =	5.181	
max =	33.000	Var =	26.844	
x =	12.721	CV =	0.407	
M =	12.000	90% =	18.000	(‡)
Q1 =	10.000	95% =	25.000	(▲)
Q3 =	14.000	98% =	29.000	(♦)



Analysis of CU (PPM) from file DOT.DBF

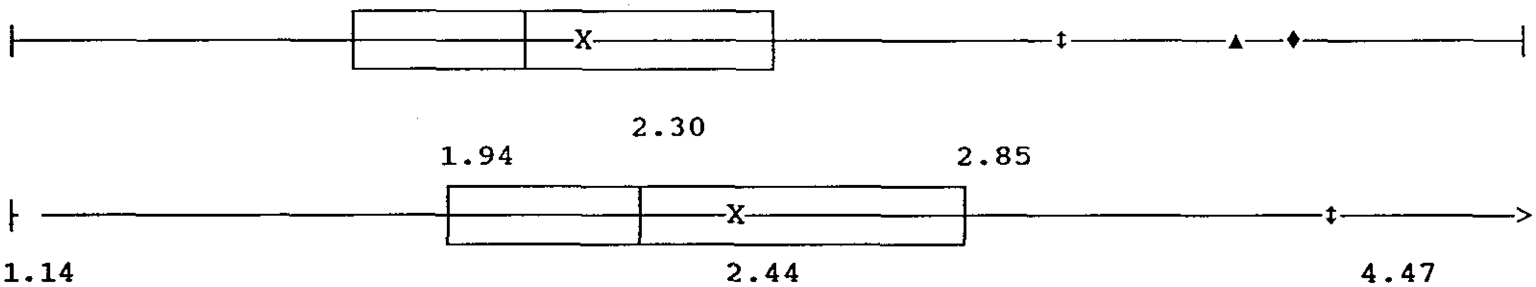
n =	140			
min =	156.000	St.Dev =	1217.663	
max =	7028.000	Var =	1482703.0	
x =	2807.936	CV =	0.434	
M =	2772.500	90% =	4377.000	(‡)
Q1 =	1855.000	95% =	4685.000	(▲)
Q3 =	3526.000	98% =	5564.000	(♦)



Statistical Analysis

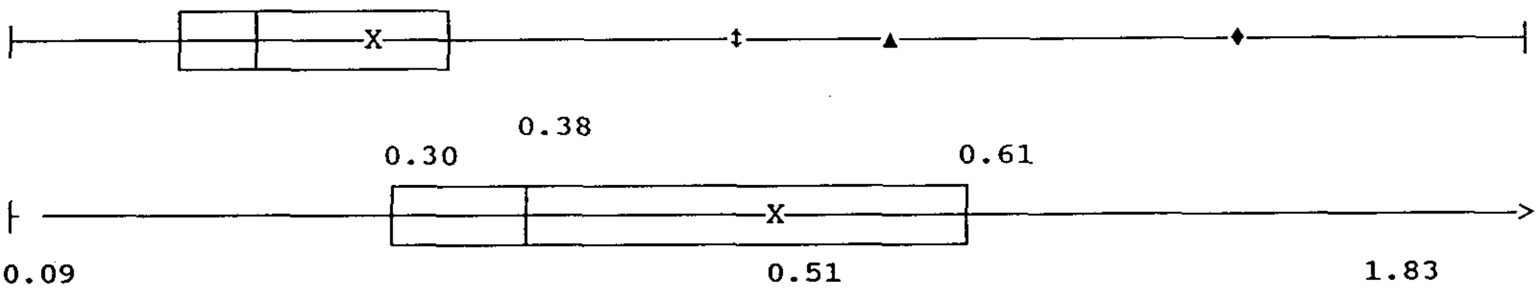
Analysis of FE (PCT) from file DOT.DBF

n =	140			
min =	1.140	St.Dev =	0.700	
max =	4.470	Var =	0.490	
x =	2.444	CV =	0.286	
M =	2.295	90% =	3.500	(‡)
Q1 =	1.940	95% =	3.870	(▲)
Q3 =	2.850	98% =	3.990	(♦)



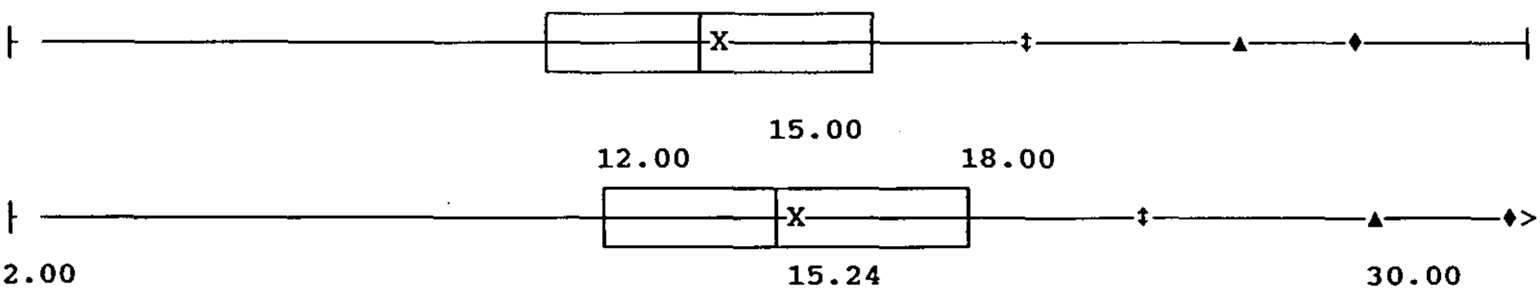
Analysis of K (PCT) from file DOT.DBF

n =	140			
min =	0.090	St.Dev =	0.334	
max =	1.830	Var =	0.111	
x =	0.513	CV =	0.650	
M =	0.380	90% =	0.930	(‡)
Q1 =	0.300	95% =	1.120	(▲)
Q3 =	0.610	98% =	1.520	(♦)



Analysis of LA (PPM) from file DOT.DBF

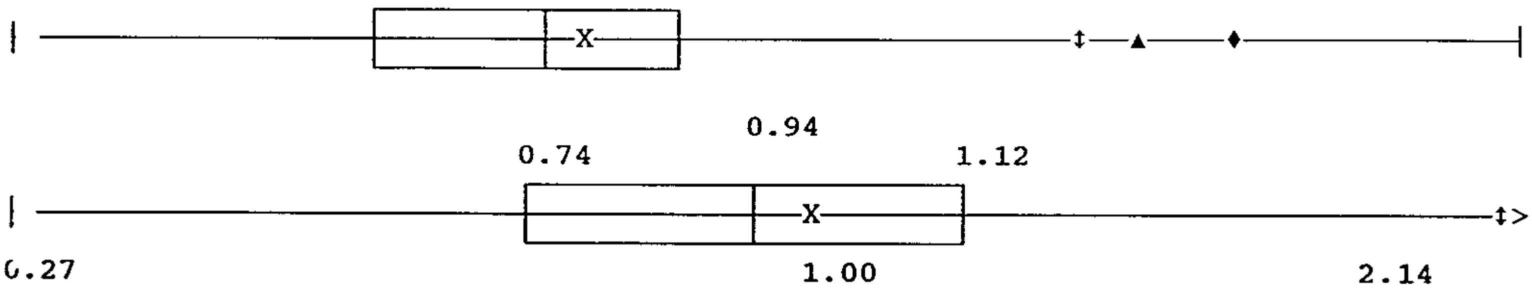
n =	140			
min =	2.000	St.Dev =	5.191	
max =	30.000	Var =	26.952	
x =	15.236	CV =	0.341	
M =	15.000	90% =	21.000	(‡)
Q1 =	12.000	95% =	25.000	(▲)
Q3 =	18.000	98% =	27.000	(♦)



Statistical Analysis

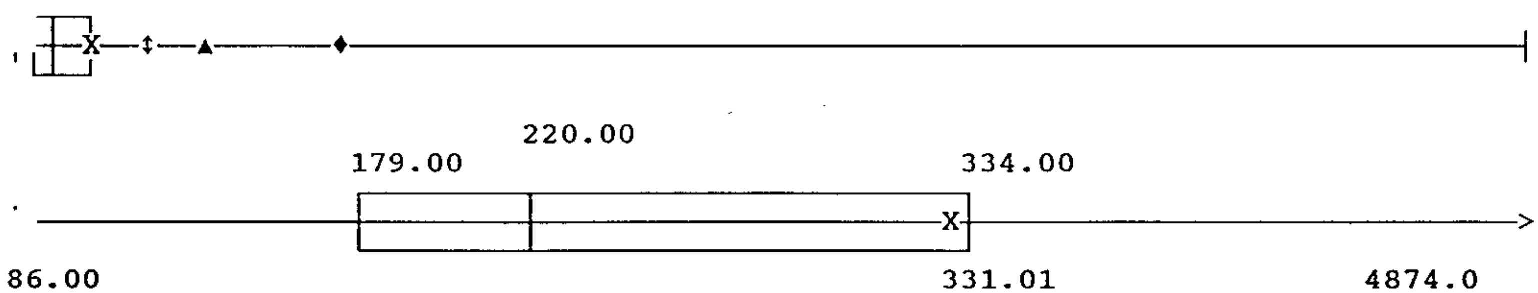
Analysis of MG (PCT) from file DOT.DBF

n =	140			
min =	0.270	St.Dev =	0.359	
max =	2.140	Var =	0.129	
x =	1.000	CV =	0.359	
M =	0.935	90% =	1.610	(‡)
Q1 =	0.740	95% =	1.690	(▲)
Q3 =	1.120	98% =	1.800	(♦)



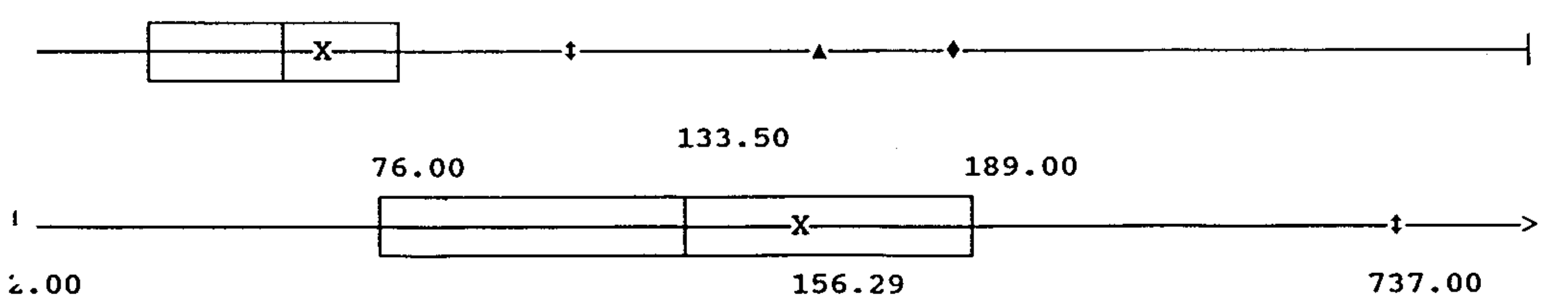
Analysis of MN (PPM) from file DOT.DBF

n =	140			
min =	86.000	St.Dev =	439.798	
max =	4874.000	Var =	193422.71	
x =	331.014	CV =	1.329	
M =	220.000	90% =	520.000	(‡)
Q1 =	179.000	95% =	718.000	(▲)
Q3 =	334.000	98% =	1149.000	(♦)



Analysis of MO (PPM) from file DOT.DBF

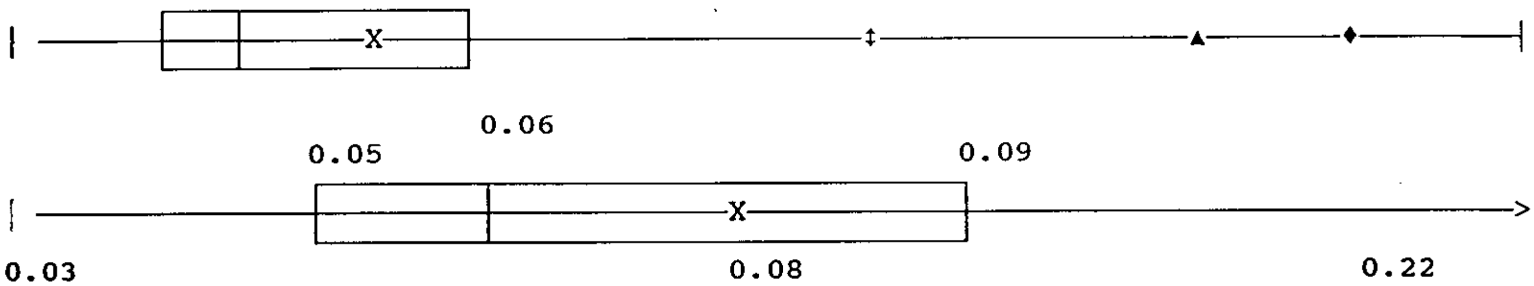
n =	140			
min =	2.000	St.Dev =	113.045	
max =	737.000	Var =	12779.247	
x =	156.286	CV =	0.723	
M =	133.500	90% =	273.000	(‡)
Q1 =	76.000	95% =	394.000	(▲)
Q3 =	189.000	98% =	460.000	(♦)



Statistical Analysis

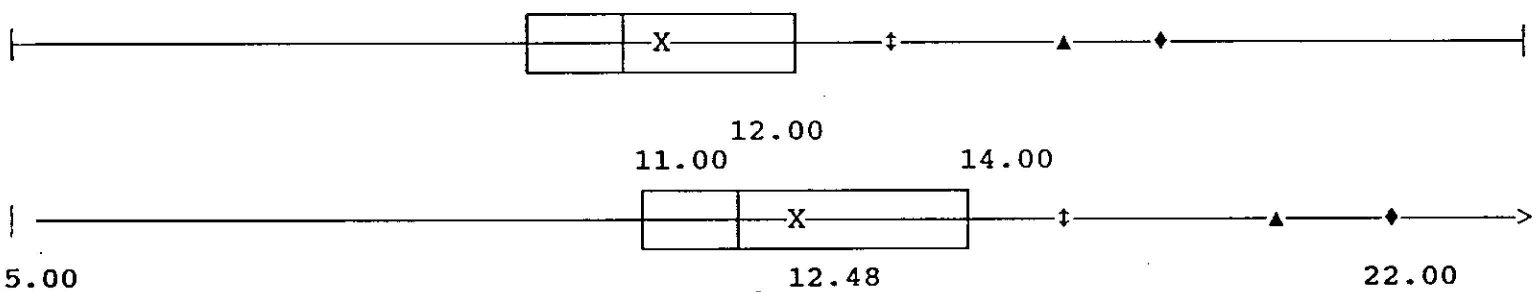
Analysis of NA (PCT) from file DOT.DBF

n =	140			
min =	0.030	St.Dev =	0.041	
max =	0.220	Var =	0.002	
x =	0.076	CV =	0.534	
M =	0.060	90% =	0.140	(‡)
Q1 =	0.050	95% =	0.180	(▲)
Q3 =	0.090	98% =	0.200	(♦)



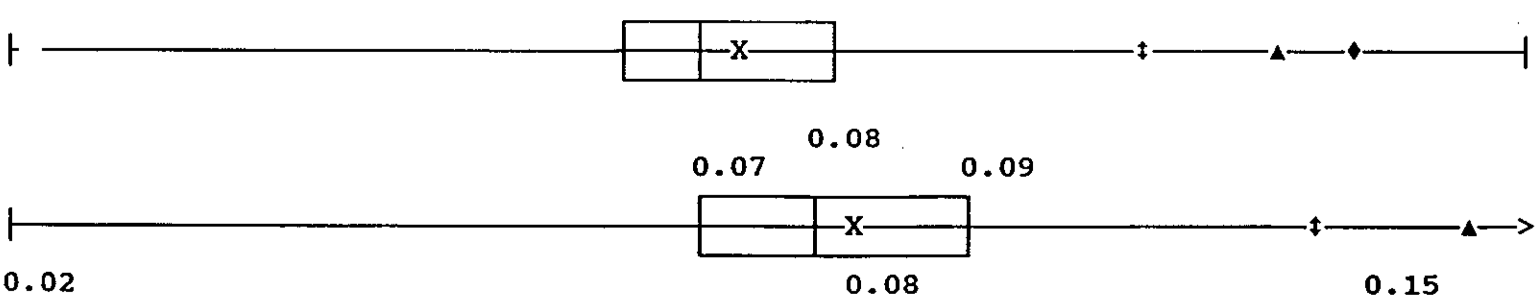
Analysis of NI (PPM) from file DOT.DBF

n =	140			
min =	5.000	St.Dev =	2.528	
max =	22.000	Var =	6.392	
x =	12.479	CV =	0.203	
M =	12.000	90% =	15.000	(‡)
Q1 =	11.000	95% =	17.000	(▲)
Q3 =	14.000	98% =	18.000	(♦)



Analysis of P (PCT) from file DOT.DBF

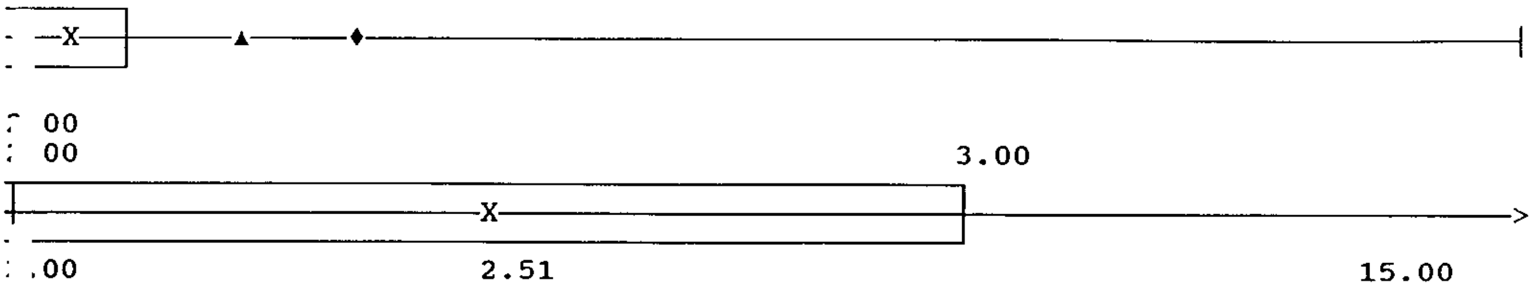
n =	140			
min =	0.016	St.Dev =	0.023	
max =	0.149	Var =	0.001	
x =	0.081	CV =	0.290	
M =	0.078	90% =	0.116	(‡)
Q1 =	0.070	95% =	0.128	(▲)
Q3 =	0.089	98% =	0.135	(♦)



Statistical Analysis

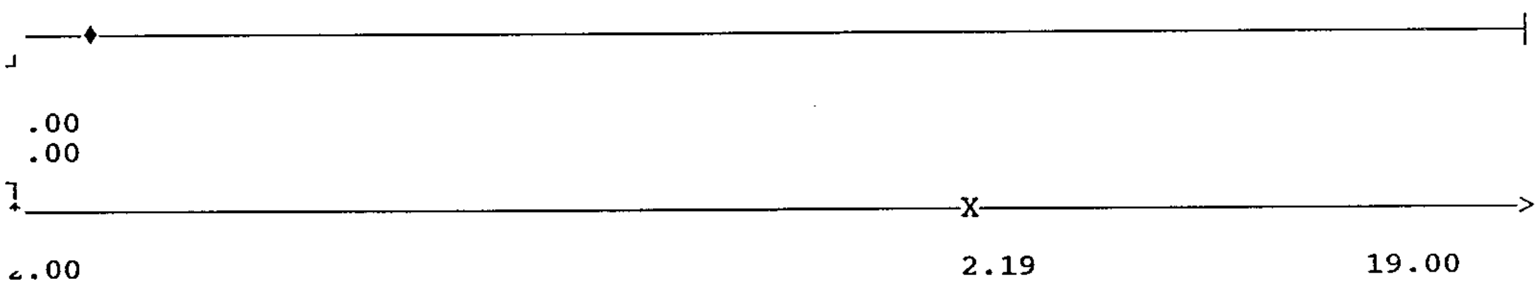
Analysis of PB (PPM) from file DOT.DBF

n =	140			
min =	2.000	St.Dev =	1.317	
max =	15.000	Var =	1.736	
x =	2.507	CV =	0.525	
M =	2.000	90% =	4.000	(↕)
Q1 =	2.000	95% =	4.000	(▲)
Q3 =	3.000	98% =	5.000	(♦)



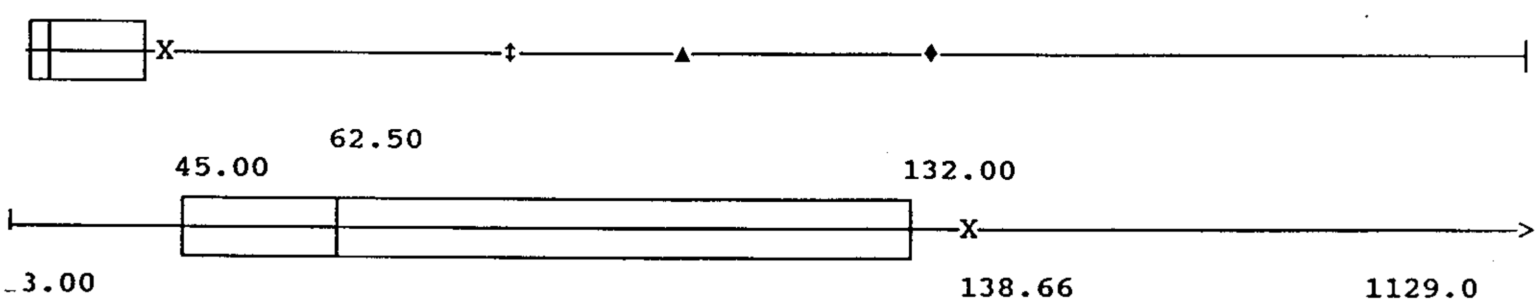
Analysis of SB (PPM) from file DOT.DBF

n =	140			
min =	2.000	St.Dev =	1.457	
max =	19.000	Var =	2.123	
x =	2.186	CV =	0.667	
M =	2.000	90% =	2.000	(↕)
Q1 =	2.000	95% =	3.000	(▲)
Q3 =	2.000	98% =	3.000	(♦)



Analysis of SR (PPM) from file DOT.DBF

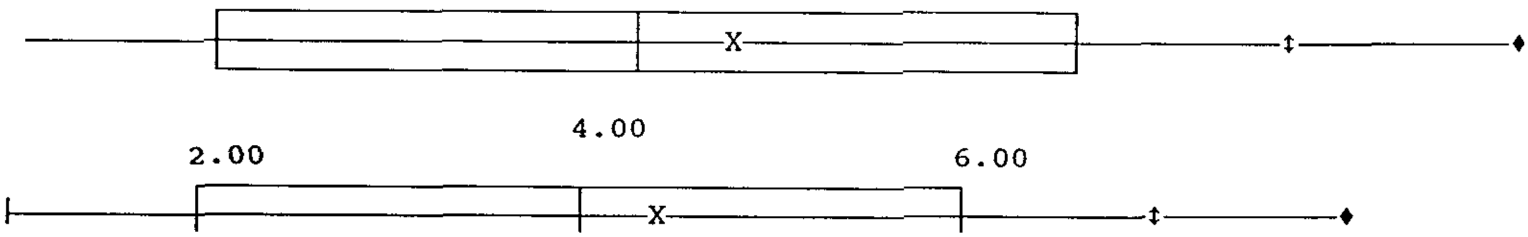
n =	140			
min =	23.000	St.Dev =	186.271	
max =	1129.000	Var =	34696.780	
x =	138.664	CV =	1.343	
M =	62.500	90% =	388.000	(↕)
Q1 =	45.000	95% =	523.000	(▲)
Q3 =	132.000	98% =	702.000	(♦)



Statistical Analysis

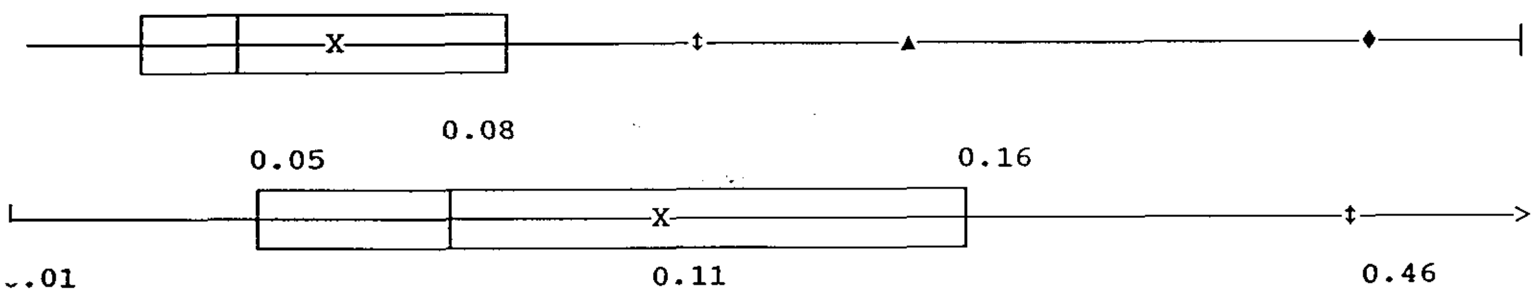
Analysis of TH (PPM) from file DOT.DBF

n =	140			
min =	1.000	St.Dev =	2.242	
max =	8.000	Var =	5.026	
x =	4.400	CV =	0.510	
M =	4.000	90% =	7.000	(↕)
Q1 =	2.000	95% =	8.000	(▲)
Q3 =	6.000	98% =	8.000	(♦)



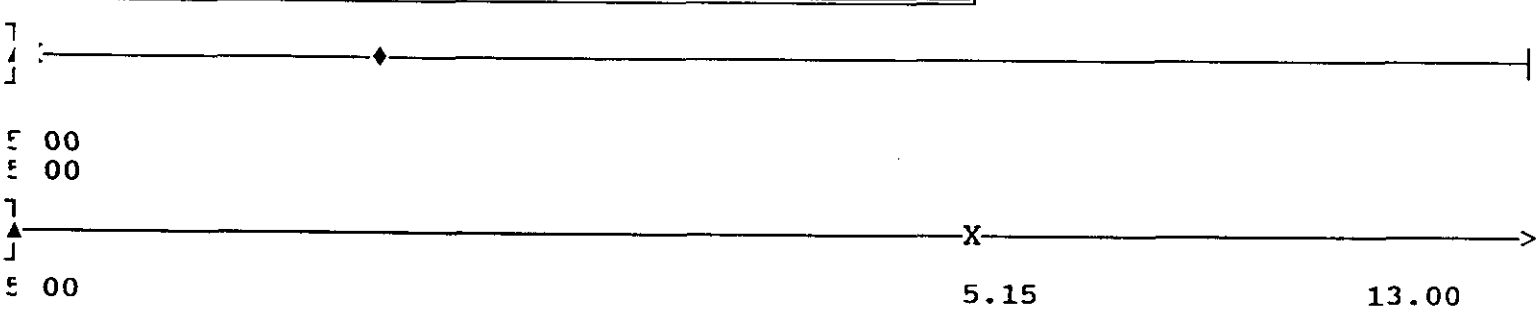
Analysis of TI (PCT) from file DOT.DBF

n =	140			
min =	0.010	St.Dev =	0.092	
max =	0.460	Var =	0.008	
x =	0.112	CV =	0.818	
M =	0.080	90% =	0.220	(↕)
Q1 =	0.050	95% =	0.280	(▲)
Q3 =	0.160	98% =	0.420	(♦)



Analysis of U (PPM) from file DOT.DBF

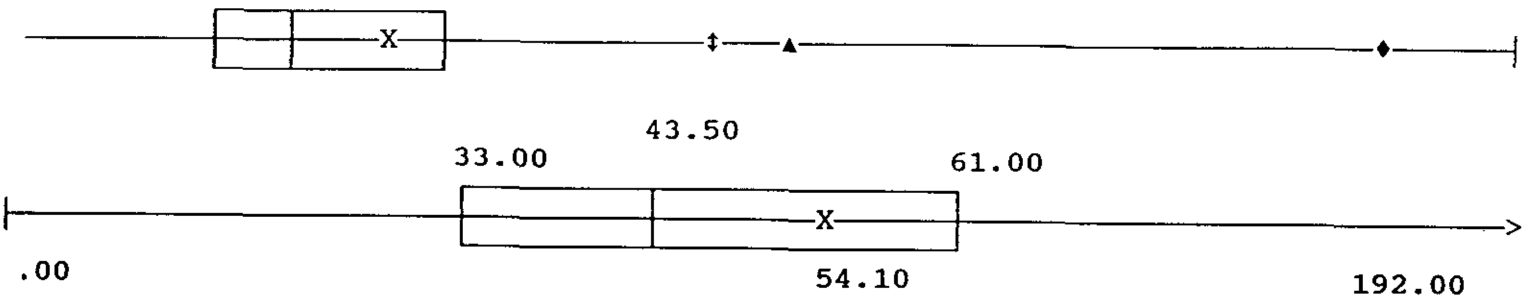
n =	140			
min =	5.000	St.Dev =	0.963	
max =	13.000	Var =	0.927	
x =	5.150	CV =	0.187	
M =	5.000	90% =	5.000	(↕)
Q1 =	5.000	95% =	5.000	(▲)
Q3 =	5.000	98% =	7.000	(♦)



Statistical Analysis

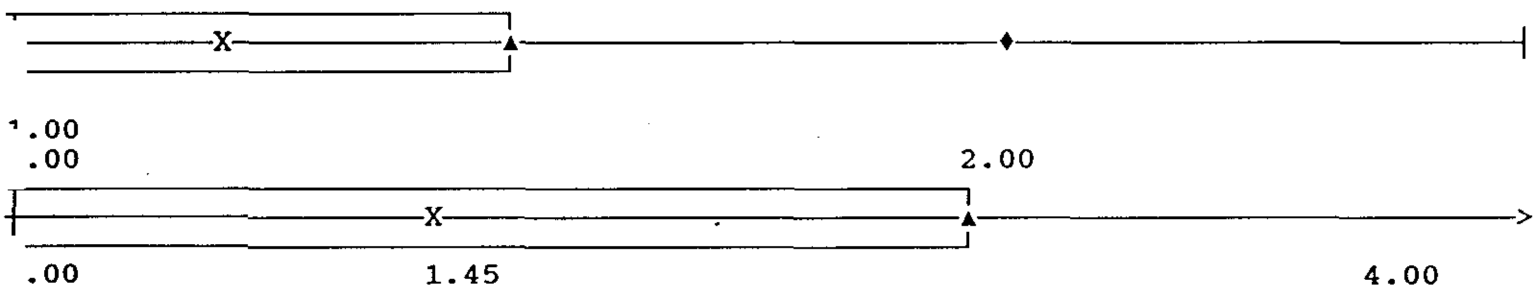
Analysis of V (PPM) from file DOT.DBF

n =	140			
min =	6.000	St.Dev =	34.801	
max =	192.000	Var =	1211.090	
x =	54.100	CV =	0.643	
M =	43.500	90% =	95.000	(‡)
Q1 =	33.000	95% =	104.000	(▲)
Q3 =	61.000	98% =	177.000	(♦)



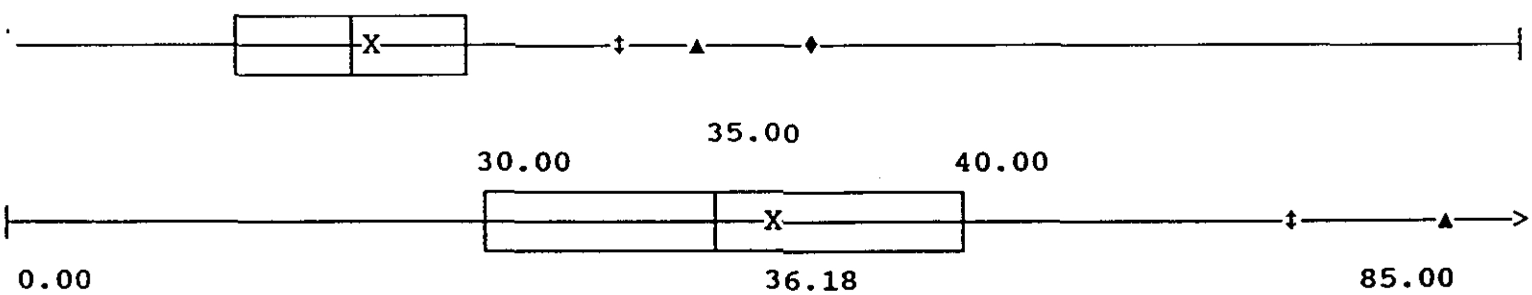
Analysis of W (PPM) from file DOT.DBF

n =	140			
min =	1.000	St.Dev =	0.577	
max =	4.000	Var =	0.333	
x =	1.450	CV =	0.398	
M =	1.000	90% =	2.000	(‡)
Q1 =	1.000	95% =	2.000	(▲)
Q3 =	2.000	98% =	3.000	(♦)



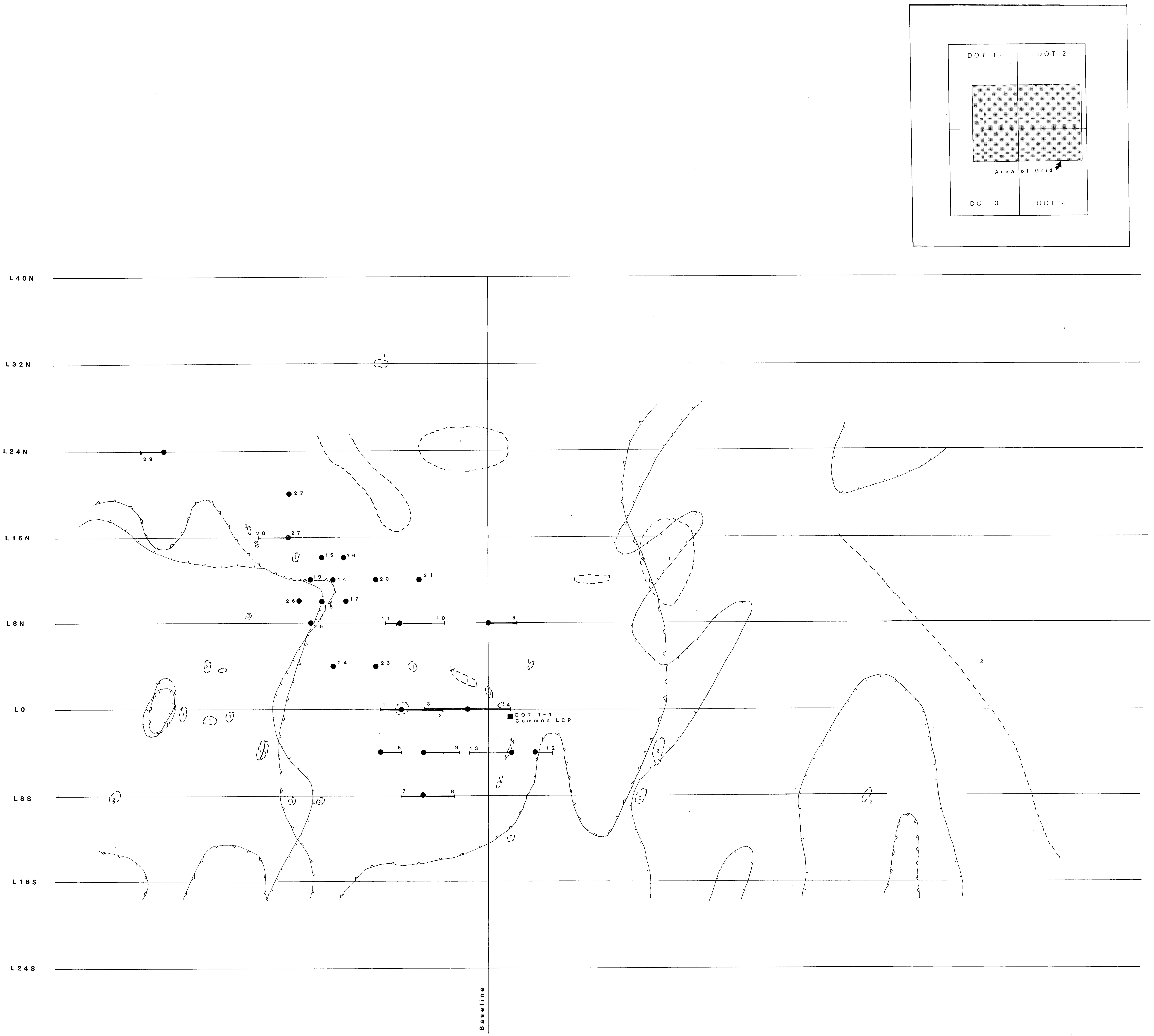
Analysis of ZN (PPM) from file DOT.DBF

n =	140			
min =	20.000	St.Dev =	8.769	
max =	85.000	Var =	76.890	
x =	36.179	CV =	0.242	
M =	35.000	90% =	47.000	(‡)
Q1 =	30.000	95% =	50.000	(▲)
Q3 =	40.000	98% =	55.000	(♦)



DOROTHY PROPERTY
Correlation Coefficients for Selected Elements in Drill Core
Spearman
Pearson

		AU	AG	CU	PB	ZN	MO	NI	CO	MN	FE	AS	TH	SR	CD	SB	AL	CR	LA
		Normal Distribution																	
			0.509	0.604	−0.002	−0.026	0.217	0.341	0.276	−0.214	0.18	0.026	−0.067	−0.185	0.049	−0.056	0.082	0.177	−0.106
AU			0.527	0.622	0.022	0.014	0.215	0.376	0.309	−0.157	0.18	0.009	−0.043	−0.152	0.047	−0.011	0.155	0.232	−0.098
		0.6399		0.781	0.099	−0.118	0.452	0.362	0.429	0.052	−0.161	0.113	0.226	0.117	−0.158	0.025	−0.264	−0.116	−0.073
AG		0.527		0.755	0.135	−0.098	0.541	0.376	0.454	0.307	−0.152	0.118	0.228	0.134	−0.161	0.022	−0.283	−0.122	−0.067
		0.747	0.8501		0.04	−0.03	0.319	0.405	0.656	−0.171	0.152	−0.153	−0.068	0.039	0.071	0.006	0.074	0.066	−0.244
CU		0.619	0.754		0.057	0.033	0.419	0.389	0.68	−0.089	0.141	−0.151	−0.104	0.165	0.076	−0.003	0.084	0.062	−0.269
		0.0555	0.1338	0.0791		−0.115	0.008	−0.051	0.074	0.007	−0.116	0.044	0.035	0.216	−0.019	0.788	−0.163	−0.159	−0.076
PB		0.022	0.135	0.058		−0.137	0.011	−0.032	0.101	0.078	−0.114	0.063	0.069	0.051	−0.032	0.235	−0.191	−0.18	−0.07
		0.0063	−0.0746	0.0201	−0.1267		−0.21	0.005	0.063	0.08	0.429	0.178	−0.303	−0.073	0.391	−0.1	0.416	0.216	−0.14
ZN		0.014	−0.098	0.03	−0.137		−0.271	0.003	0.07	0.087	0.441	0.082	−0.303	0.083	0.346	−0.049	0.419	0.208	−0.126
		0.398	0.5891	0.5579	0.0446	−0.2684		0.021	0.159	0.055	−0.344	−0.04	0.201	0.288	−0.152	0.037	−0.29	−0.29	0.051
MO		0.215	0.541	0.419	0.011	−0.271		0.07	0.244	0.154	−0.42	−0.084	0.228	0.288	−0.183	0.016	−0.383	−0.342	0.031
		0.5414	0.4709	0.5151	−0.0017	−0.0101	0.2052		0.323	−0.273	0.159	−0.041	0.18	−0.072	−0.107	−0.047	0.025	0.561	0.109
NI		0.376	0.376	0.389	−0.032	0.003	0.07		0.324	−0.065	0.215	−0.045	0.194	−0.005	−0.122	−0.026	0.104	0.558	0.112
		0.4357	0.5291	0.7158	0.106	0.0564	0.324	0.4211		−0.256	0.399	−0.128	−0.167	0.074	0.183	0.02	0.276	0.118	−0.407
CO		0.309	0.454	0.682	0.101	0.07	0.244	0.324		−0.262	0.395	−0.127	−0.177	0.133	0.213	0.018	0.286	0.13	−0.438
		−0.2776	0.1154	−0.2184	0.0596	0.0859	0.0455	−0.2461	−0.3489		−0.177	0.262	−0.02	0.091	−0.127	0.068	−0.308	−0.281	0.022
MN		−0.157	0.307	−0.091	0.078	0.087	0.154	−0.065	−0.262		−0.304	0.243	0.138	0.18	−0.279	0.081	−0.46	−0.308	0.131
		0.2326	−0.0182	0.2522	−0.0987	0.4371	−0.2089	0.2178	0.4483	−0.291		−0.142	−0.526	−0.291	0.42	−0.04	0.852	0.495	−0.381
FE		0.18	−0.152	0.141	−0.114	0.441	−0.42	0.215	0.395	−0.304		−0.089	−0.496	−0.224	0.376	0.023	0.833	0.528	−0.337
	LN	−0.0228	0.1141	−0.1474	0.0451	0.1035	−0.0459	−0.0886	−0.1594	0.3288	−0.1677		0.145	−0.024	−0.095	0.013	−0.237	−0.035	0.153
AS		0.009	0.118	−0.154	0.063	0.082	−0.084	−0.045	−0.127	0.243	−0.089		0.153	−0.085	−0.104	0.056	−0.21	−0.059	0.164
		0.0984	0.2674	0.0111	0.0894	−0.333	0.2406	0.2527	−0.1642	0.118	−0.5327	0.1968		0.162	−0.469	−0.018	−0.56	−0.247	0.489
TH		−0.043	0.228	−0.104	0.069	−0.303	0.228	0.194	−0.177	0.138	−0.496	0.153		0.124	−0.469	−0.023	−0.512	−0.239	0.494
		−0.0738	0.1705	0.1503	0.1234	0.0086	0.262	−0.0199	0.1097	0.2071	−0.26	−0.0273	0.1813		−0.159	0.165	−0.275	−0.287	−0.027
SR		−0.152	0.134	0.163	0.051	0.083	0.288	−0.005	0.133	0.18	−0.224	−0.085	0.124		−0.112	0.046	−0.25	−0.323	0.01
		0.0149	−0.1329	0.0659	−0.0174	0.3261	−0.2159	−0.1263	0.1865	−0.2405	0.375	−0.1867	−0.5194	−0.1353		−0.017	0.53	0.225	−0.338
CD		0.047	−0.161	0.076	−0.032	0.346	−0.183	−0.122	0.213	−0.279	0.376	−0.104	−0.469	−0.112		−0.071	0.48	0.207	−0.344
		−0.0317	0.058	0.0194	0.4365	−0.0954	0.0439	−0.0464	0.0199	0.1253	−0.0014	0.0529	−0.0072	0.1222	−0.0268		−0.059	−0.065	−0.052
SB		−0.011	0.022	−0.004	0.235	−0.049	0.016	−0.026	0.018	0.081	0.023	0.056	−0.023	0.046	−0.071		−0.008	−0.017	−0.034
		0.2175	−0.1021	0.2292	−0.1631	0.3956	−0.1756	0.1549	0.371	−0.54	0.8023	−0.3246	−0.541	−0.2573	0.488	−0.05		0.589	−0.4
AL		0.155	−0.283	0.083	−0.191	0.419	−0.383	0.104	0.286	−0.46	0.833	−0.21	−0.512	−0.25	0.48	−0.008		0.644	−0.291
		0.3457	0.0459	0.2381	−0.1758	0.2191	−0.135	0.5884	0.2512	−0.4791	0.538	−0.1589	−0.2273	−0.3257	0.1864	−0.0624	0.6794		−0.165
CR		0.232	−0.122	0.062	−0.18	0.208	−0.342	0.558	0.13	−0.308	0.528	−0.059	−0.239	−0.323	0.207	−0.017	0.644		−0.141
		−0.0237	0.0026	−0.1557	−0.0023	−0.119	0.0344	0.0969	−0.335	0.0786	−0.3538	0.161	0.641	0.0949	−0.3494	−0.0241	−0.3484	−0.2317	
LA		−0.098	−0.067	−0.271	−0.07	−0.126	0.031	0.112	−0.438	0.131	−0.337	0.164	0.494	0.01	−0.344	−0.034	−0.291	−0.141	



LEGEND

1 Biotite Feldspar Porphyry (BFP) (Babine Intrusive)

2 Diorite or Granodiorite (Ominica Intrusive)

3 Volcanics - Mainly Andesites

4 Felsite

Cut Grid

Diamond Drill Hole Collar and Down Hole Extension

Outcrop

Resistivity <800 Ohm - Feet

Chargibility >5 ms

N

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,143

INTERNATIONAL CORONA CORPORATION

DOROTHY PROPERTY

Pre 1991
General Geology, IP and Drill Hole Location Map

0 100 200 300
Metres

Scale 1:5,000