

82-#858 -#10923
of

GEOCHEMICAL REPORT
ON
DRIFT GROUP MINERAL CLAIMS
N.T.S. 104 I 5E
LIARD MINING DIVISION

LATITUDE: 58° 18'N: **LONGITUDE:** 129° 35'W

OWNER: SERRANA RESOURCES LTD.

OPERATOR: SERRANA RESOURCES LTD.

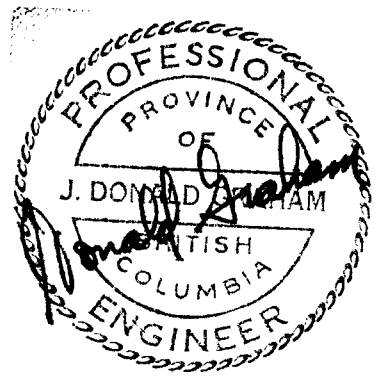
CONSULTANT: F. Marshall Smith, P. Eng.

AUTHOR: J. Donald Graham, P. Eng.

SUBMITTED: December 16, 1982

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,923



F.M. Smith
Dec 15, 1982

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MAPS

(All maps are in pocket)

Map 1	General Location
Map 2	Index Map
Map 3	Molybdenum in Soil
Map 4	Copper in Soil
Map 5	Silver in Soil
Map 6	Molybdenum in Soil, Drift 4 MC
Map 7	Copper in Soil, Drift 4 MC
Map 8	Silver in Soil, Drift 4 MC

1.0 INTRODUCTION

1.1 Geographical Description

The Snowdrift property lies approximately 32 km south east of the community of Dease Lake, B.C. at latitude 58° 18'N and longitude 129° 35'W in the Liard mining division. Physiographically the property lies in the Interior System, central plateau and mountain subdivision. Although there is a winter road to the property, the usual access is by helicopter from Dease Lake.

1.2 Property Definition

The north west portion of the property was explored in 1973 by Keneco Explorations (Western) Ltd. and in 1975 - 76 by Utah Mines Ltd. These programs included soil sampling, geological mapping and diamond drilling. The current owner-operator, Serrana Resources Ltd. acquired the property in 1981. Serrana conducted a geochemical survey in 1981; the report of the 1981 survey contains a review of past work and descriptions of the geology. The property is a porphyry molybdenum copper prospect.

1.3 Summary of Work

A geochemical survey was undertaken wherein 284 soil samples were collected on grid lines and 55 soil samples were collected in 15 pits.

The grid samples were subjected to comprehensive statistical analysis.

1.4 Mineral Claims

Work was done on the following mineral claims, all of which are situated in the Liard Mining Division and owned and operated by Serrana Resources Ltd.

<u>Mineral Claim</u>	<u>Unit</u>	<u>Record Number</u>	<u>Record Date</u>
Drift 1	18	1866	April 10, 1981
Drift 2	18	1867	April 10, 1981
Drift 3	2	1868	April 10, 1981
Drift 4	12	1869	April 10, 1981
Drift 5	20	1870	April 10, 1981
Drift 6	20	2082	Sept. 23, 1981
Drift 7	9	2083	Sept. 23, 1981

2.0 TECHNICAL DATA AND INTERPRETATION

2.1 General

The program was designed to test areas adjacent to previous geochemical surveys, and evaluate the merits of previous 'anomalous' zones.

T. Spink, the party leader, was instructed by F.M. Smith, P. Eng. and J.M. Ashton, P. Eng. prior to commencing the field program. He was assisted by L.J. Connolly, another experienced sampler.

The majority of the sample lines ran north-south. Lines were 250 m apart with sample spacing at 75 m along the lines. Control was provided by hip chain and compass. The B soil horizon was sampled at the majority of sites. In several sites the B horizon was not available so the A horizon was taken. Average depth of sample was approximately 30 cm. Samples were unobtainable at some sites due to thick humus, rocky soil or swamps. The samples are described in Appendix I. Analytical results are plotted on Maps 3, 4, 5, 6, 7 and 8. Two schemes were used in numbering the samples:

- a. Only those stations where a sample was obtained were numbered. All sample numbers in this scheme therefore have an analysis. See lines DR5-1, DR5-3, DR6-1, DR6-3.

- b. All stations were numbered, regardless if a sample was obtained at the station. See lines DR5-2, DR5-4, DR6-2, DR6-4.

Fifteen pits were dug and sampled on Drift 2, 4 and 7 to establish metallic concentrations at various depths and to confirm previous surveys. The holes were dug to a maximum depth of one metre with shovel and mattock. Four samples were taken from each pit. Sample character, metal content and a depth profile of each hole is shown in Appendix II.

The soil sample analytical results were processed on Control Data Canada Ltd.'s GIS system. The following statistical procedures were applied.

- Frequency Distributions on raw and log-transformed readings;
- Histogram plots of raw and log transformed data;
- Correlation analysis of element concentrations at each sample site.

Results of this statistical work are shown in Appendix III.

Contour intervals used on Maps 3, 4, 5, 6, 7 and 8 were based on the mean and standard deviations of the log normal distributions. The logarithms were transformed back to antilogarithm base 10 numbers for actual contouring.

2.2 Interpretation of Results

2.2.1 Molybdenum

The soils collected from the Drift claims varied in depth, composition and colour significantly. Unfortunately, pH of samples could not be determined in the field because of equipment failure and the variation of pH throughout the area is unknown.

The major anomalous area for molybdenum occurs on Drift 4 and 7 where the soils were collected on lines DR4-1, 2 and 3. Some samples (eg. DR4-1-5 at 96ppm Mo, DR4-2-2,4,5,6,7 at 69,190,138,10,66 ppm Mo respectively) contain humus material and may represent enhanced anomalies. Sufficient samples without humic material are anomalous in molybdenum to verify the significance of the anomalous values.

Test pits 1, 2, 11, 13, 15 have significant molybdenum values in non humic soils and glacial tills. There are pits that show increasing and some with decreasing Mo to depth. The former probably indicate subcropping molybdenite bearing rock and the latter indicate solifluction from mineralized areas uphill.

As the mobility of molybdenum is controlled by the pH of the soil waters the significance of the reported values cannot be discussed in relation to known deposits because pH readings are not available.

The anomalous molybdenum values must be evaluated by trenching with either cat or backhoe to locate the subcropping source or sources.

2.2.2 Copper Values

There are a few scattered moderately anomalous copper values on Drift #5 claim in the south central side of the claim but none of the values are of sufficient magnitude to justify further work at this time.

The anomalous values on Drift 4 and 7 claim are considerably more in magnitude and frequency than elsewhere on the sampled area. The humus content of the samples appear to be irrelevant to the amount of copper (as expected).

The principal anomalous area lies between the two branches of Snowdrift Creek on the north western corner of Drift 4, the northern portion of Drift 7

and the southern portion of Drift 2. Test Pits 1, 2, 4, 11 and 15 show anomalous copper values, usually with copper increasing to depth.

2.2.3 Silver Values

There are no anomalous silver values on the claims and the soils should not be analysed for silver in the future.

2.2.4 Correlation of Copper to Molybdenum

The major molybdenum and copper anomalies on Drift 4 and 7 are coincident in plan but the peak values for each are not coincident. Copper is not consistently correlated to molybdenum values elsewhere on the sampled area (Drift #5 claim).

The significant anomaly between the forks of Snowdrift Creek discovered in 1982 must be explored by trenching to expose the mineralized subcrop. The magnitude of copper and molybdenum values and the surface area that appears to be anomalous justifies considerable effort to delineate the dimensions and grade of the mineralized subcrop.

2.2.5 Analysis

The samples were analyzed by Min-En Laboratories Ltd. of North Vancouver, B.C. One gram of the -80 mesh fraction was digested in a bath of 2 ml of concentrated nitric acid and 5 ml of concentrated perchloric acid heated to 250°F for four hours. After digestion each sample was diluted to 25 ml with distilled water. Determinations were by aspiration in a Varian Atomic Absorption Spectrophotometer, Model AA5.

3.0 DETAILED COST STATEMENT

3.1 Summary

Transportation	1,965.30
Professional fees & labour	2,520.00
Food, lodging, camp support general expenses	1,011.00
Assay	1,365.15
Computer Analysis (Control Data)	700.00
Report & Maps	<u>5,007.00</u>
	\$ 12,568.45

3.2 Transportation

AIRCRAFT

<u>Date</u>	<u>Description</u>	<u>Cost</u>
Sept. 14, 1982	Tom Spink Van. to Watson Lake - Return Vancouver	419.00
Sept. 25, 1982	L. Connolly Watson Lake to Whitehorse Return Trip	122.00
Sept. 15, 1982	Frontier Helicopters Dease Lake - Snowdrift Creek	371.00
Sept. 24, 1982	Frontier Helicopters Snowdrift Creek - Dease Lake	318.00
TRUCK RENTAL		
Sept. 14, 1982	Tilden Rental Watson Lake - Dease Watson	735.30
		<hr/>
		1,965.30

3.3 Professional Fees and Labour

<u>Field Work</u>	<u>Description</u>	<u>Cost</u>
Sept. 10 - 13, 1982	S. Apchkrum - Expediting 16 hrs. @ \$20.00	320.00
Sept. 10 - 13 1982	F. Marshall Smith, P. Eng. Preparation	200.00
Sept., 1982	J.M. Ashton, P. Eng.	400.00
Sept. 16 - 23 1982	T. Spink 8.0 days @ 120.00 day	960.00
Sept. 16 - 23 1982	L. Connolly 8.0 days @ 80.00 day	640.00
		<hr/>
		2,520.00

3.4 Food, Lodging, Camp Support, General Expenses

<u>Date</u>	<u>Description</u>	<u>Cost</u>
Sept. 14 - 23	T. Spink L. Connolly	1,011.28

3.5 Assays For

Sample Preparation	1,365.15
Control Data (Computer Analysis)	<hr/>
	700.00
	2,065.15

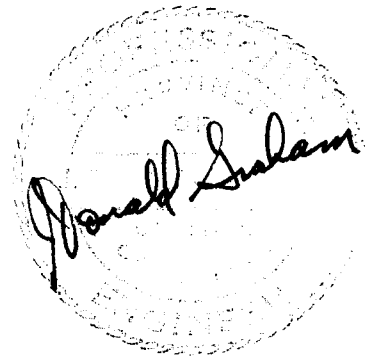
3.6 Report Preparation

Sept - Dec., 1982	E. Catapia Drafting 86.5 hrs. @ \$30.00	2,595.00
Dec. 15, 1982	Consultation F. Marshall Smith, P. Eng.	50.00
Sept. - Dec., 1982	J.M. Ashton, P. Eng. 4.0 hrs. @ \$50.00	200.00
Dec., 1982	D. Graham, P. Eng. 37 hrs. @ \$50.00	1,850.00
	Clerical - typing report 4 hrs. @ \$28.00	112.00
	Reproduction Costs	<u>200.00</u>
		5,007.00

4.0 AUTHOR'S QUALIFICATIONS

I, J. Donald Graham, of 9411 Ferndale Road, Richmond, B.C. hereby certify as follows:

1. I am a consulting mining engineer.
2. I hold a B.A.Sc. degree in Geological Engineering from the University of British Columbia.
3. I hold a M.A.Sc degree in Mining Engineering from the University of British Columbia.
4. I have practised my profession since 1964.
5. I am registered as a Professional Engineer (Mining) in the State of Arizona and the Province of British Columbia.

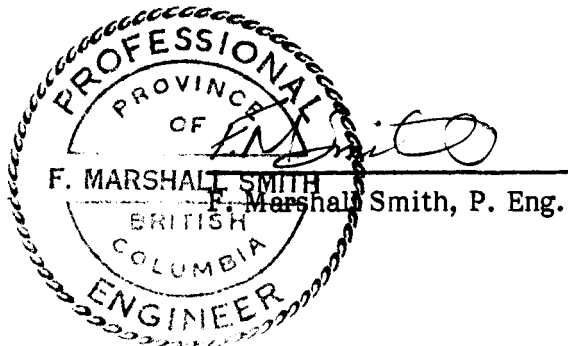


CERTIFICATE OF QUALIFICATIONS

I, F. Marshall Smith, do hereby certify that:

1. I am a consulting geologist and geochemist with offices at 6580 Mayflower Drive, Richmond, British Columbia.
2. I am a graduate of the University of Toronto with a degree of B.Sc., Honours Geology.
3. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
4. I have practiced my profession continuously since 1967 primarily in the Cordillera of North America.
5. This report is based on the examination of geochemical assays from work in 1982 and previous reports on geology and geochemical work in the area.
6. I have no interest direct or indirect in the Drift Group Mineral Claims or the shares or other property of Serrana Resources Ltd.

Dated this 15th day of December, 1982 at Richmond, British Columbia.



APPENDIX I

Soil Sample Descriptions

SAMPLE DESCRIPTION KEY

	<u>Code</u>	<u>Explanation</u>
Type	1	Sediment
	2	Soil
	3	Rock
	4	Bio
	N.S.	No Sample
Character	1	Active
	2	Dry
	3	Swamp
	4	Seep
Texture	1	Silt
	2	Sand
	3	Organic
	4	Clay
	5	Gravel
Horizon	1	'B' Horizon
	2	'C' Horizon
	3	'A' Horizon
	4	'Rock' Horizon
Color	1	Yellow
	2	Brown
	3	Grey
	4	Red
	5	Black

Note: If two or more code digits are used, the first digit is dominant.

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 4)

COLLECTOR: Connolly

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)
DR4								
1-1	16/9		2	2	2	1	2	
1-2	16/9		2	1	12		2	
1-3	16/9		2	2	2	1	2	
1-4	16/9		1	1	2		2	1.5
1-5	16/9		1	1	123		2	20
1-6	16/9		2	2	23	1	2	
1-7	16/9		2	2	2	1	2	
1-8	16/9		2	2	24	1	23	
1-9	16/9		1	1	12		3	3
1-10	16/9		1	4	12		23	
1-11	16/9		2	2	2	1	2	
1-12	16/9		3					
1-13	16/9		3					
1-14	16/9		3					
1-15	16/9		2	2		1	23	
1-16	16/9		3					
1-17	16/9		2	2		1	2	
1-18	16/9		2	2	123	1	2	
1-19	16/9		3					

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 4)

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)
DR4								
2-1	16/9		2	2	25	3	2	18
2-2	16/9		2	2	3	3	2	12
2-3	16/9	1680	2	2	24	1	2	12
2-4	16/9	1675	2		34	2	2	12
2-5	16/9	1670	HUMUS OVER TALUS					
2-6	16/9	1670	2	4	34	3	2	8
2-7	16/9	1670	2		34	1	12	18
2-8	16/9		NS					
2-9	16/9	1680	2	2	2	3	23	18
2-10	16/9	1675	2	4	3	3	2	12
2-11	16/9	1690	2	2	12	1	3	12
2-12	16/9	1695	2		34	3	2	18
2-13	16/9	1705	2	2	34	3	2	12
2-14	16/9	1710	2		34	3	2	18
2-15	16/9	1730	2		34	3	2	18
2-16	16/9	1750	2	HUMUS OVER TALUS				
2-17	16/9	1775	2	HUMUS OVER TALUS				6
2-18	16/9	1815	2	HUMUS OVER TALUS				
2-19	16/9	1840	NS			TALUS		
2-20	16/9	1865	2			3	2	4
2-21	16/9	1865	2		2	3	2	

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 4)

COLLECTOR: Connolly

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)	
DR4									
3-1	17/9		2	2	12	1	2		
3-2	17/9		2	2	2	1	2		
3-3	17/9	1640	2	2	34	3	2	6	OVER TALUS
3-4	17/9		2	4	24	1	2		
3-5	17/9	1650	2	3	34	1	3	12	
3-6	17/9		2	2	23	13			
3-7	17/9	1655	2		23	13	23	12	
3-8	17/9		2	2	23	13	2		
3-9	17/9	1670	2		3	3	2	18	
3-10	17/9		3						
3-11	17/9	1695	2		3	3	2	16	OVER TALUS
3-12	17/9		2		23	13	2		
4-1	17/9		2	2	23	13	2		SOME ROCK PRESENT
4-2	17/9		2	2	1	1	24		
4-3	17/9		2	2	23	13	24		
4-4	17/9		2	2	2	1	24		
4-5	17/9		3						
4-6	17/9		2	4	23	13	24		
4-7	17/9		2	2	23	13	2		
4-8	17/9		2	2	23	13	24		
4-9	17/9		2	2	23	1	2		
4-10	17/9		2	2	23	13	24		
4-11	17/9		3						
4-12	17/9		2	2	23	13	24		
4-13	17/9		2	2	23	1	2		
4-14	17/9		2	2	23	1	24		
4-15	17/9		2	2	23	1	2		

GEOCHEMICAL SAMPLE DATA SHEET**AREA:** Snowdrift (Drift 4)**COLLECTOR:** Connolly

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth	Slope
DR4									
4-16	17/9		2	2	2	1	2		
4-17	17/9		2	2	2	1	2		
4-18	17/9		2	2	2	1	2		
4-19	17/9		2	2	2	1	2		
4-20	17/9		2	2	23	3	2		
4-21	17/9		2	2	3	1	2		(SOME ROCK)
4-22	17/9		2	2	2	1	23		

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift Drift 4

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)	Comments
DR4									
5-1	17/9	1835	NS			TALUS			
5-2	17/9	1832	2	2	5	3	2	12	
5-3	17/9	1820	2		3	3	2	18	
5-4	17/9	1805	2		3	3	2	18	
5-5	17/9	1800	2		3	3	2	12	
5-6	17/9	1795	2		3	3	2	16	
5-7	17/9	1790	2		3	3	2	12	
5-8	17/9	1785	2		34	1	13	18	
5-9	17/9	1770	2		3	3		12	
5-10	17/9	1775	2		3	3	2	10	
5-11	17/9	1765	2		3	3	2	12	
5-12	17/9	1770	2		34	1	12	14	
5-13	17/9	1770	2		14	1	12	12	
5-14	17/9	1765	2		3	3	25	12	(OVER TALUS)
5-15	17/9	1767	2		3	3	2	16	
5-16	17/9	1765	2	2	2	1	12	12	
5-17	17/9	1765	3						
5-18	17/9	1760	2		3	3	2	12	(OVER TALUS)
5-19	17/9	1760	NS		TALUS SLOPE				
5-20	17/9	1755	NS		TALUS				

GEOCHEMICAL SAMPLE DATA SHEET**AREA:** Snowdrift (Drift 5)**COLLECTOR:** Connolly

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth
DR5								
1-A	23/9		2	2	2	1	42	
1-B	23/9		2	2	32	1	24	
1-C	23/9		2	2	23	1	24	
1-D	23/9		3					
1-E	23/9		2	2	23	1	24	
1-F	23/9		2	2	23	14	2	

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 5)

COLLECTOR: Spink

Sample Number	Date	Elevation	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)
DR5								
2-1	19/9	1640	NS		TALUS OVER BOG			20
2-2	19/9	1640	NS		BOG			
2-3	19/9	1645	2	2	23	13	23	16
2-4	19/9	1660	2	2	1	1	3	14
2-5	19/9	1662	2	2	12	2	42	8
2-6	19/9	1662	2	2	12	2	2	14
2-7	19/9	1660	2	2	12	1	3	10
2-8	19/9	1663	2	2	13	1	3	10
2-9	19/9	1670	2	2	34	13	23	14
2-10	19/9	1672	NS		HUMUS OVER TALUS			
2-11	19/9	1675	2	2	13	3	2	16
2-12	19/9	1675	2	2	1	1	13	12
2-13	19/9	1672	NS		HUMUS OVER ROCKS			
2-14	19/9	1672	2	2	12	1	3	14
2-15	19/9	1675	2	2	14	1	3	14
2-16	19/9	1680	2	2	14	1	3	8
2-17	19/9	1680	NS		TALUS			
2-18	19/9	1682	NS		TALUS			
2-19	19/9	1685	2	2	14	13	23	10
2-20	19/9	1692	2	2	1	13	3	8
2-21	19/9	1690	2	2	14	1	3	9
2-22	19/9	1685	2	2	13	1	3	9
2-23	19/9	1688	2	4	4	1	3	4
2-24	19/9	1670	NS		TALUS			

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 5)

COLLECTOR: Connolly

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth
DR5								
3-1	23/9		2	2	23	13	12	
3-2	23/9		2	2	23	1	24	
3-3	23/9		2	2	2	1	23	
3-4	23/9		2	2	2	1	12	
3-5	23/9		2	2	2	1	2	
3-6	23/9		2	2	2	1	23	
3-7	23/9		2	2	2	1	24	
3-8	23/9		3					
3-9	23/9		3					
3-10	23/9		3					
3-11	23/9		2	3	23	1	25	
3-12	23/9		2	3	24	1	2	
3-13	23/9		2	3	23	1	2	
3-14	23/9		2	4	4	1	3	
3-15	23/9		2	4	4	1	2	
3-16	23/9		2	2	24	1	45	
3-17	23/9		2	2	2	1	24	
3-18	23/9		2	2	23	13	24	
3-19	23/9		2	2		1	12	
3-20	23/9		2	2	23	1	2	

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 5)

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)
DR5								
4-4	23/9		2	4	5	3	2	12
4-3	23/9		2	2	13	1	13	9
4-2	23/9		2	2	14	1	13	9
4-1	23/9		2	2	14	1	3	8
2-A	23/9		NS		HUMUS OVER	ROCK		18
2-B	23/9		2	2	13	13	23	16
2-C	23/9		2	2	13	13	12	14
2-D	23/9		2	2	13	13	12	14
2-E	23/9		2	2	13	13	12	14
2-F	23/9		2	2	13	13	2	14
2-G	23/9		2	2	3	3	2	18
2-H	23/9		2	2	13	3	2	16
2-I	23/9		NS		HUMUS			20

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 5)

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)	
DR5									
4-34	23/9		2	2	13	3	2	14	
4-33	23/9		2	2	13	3	2	18	
4-32	23/9		2	2	3	3	2	18	
4-31	23/9		2	2	13	13	23	15	
4-30	23/9		2	2	13	13	23	16	
4-29	23/9		N.S. HUMUS OVER TALUS						14
4-28	23/9		2	2	13	1	23	9	
4-27	23/9		2	2	1	1	3	12	
4-26	23/9		2	4	34	13	3	9	
4-25	23/9		NS HUMUS OVER TALUS						14
4-24	23/9		2	2	1	3	2	16	
4-23	23/9		2	2	4	1	3	2	
4-22	23/9		2	4	4	1	3	2	
4-21	23/9		HUMUS OVER BOG						15
4-20	23/9		2	4	4	1	3	8	
4-19	23/9		NS SWAMP						
4-18	23/9		NS SWAMP						
4-17	23/9		2	2	1	1	3	14	
4-16	23/9		2	2	13	13	2	14	
4-15	23/9		2	4	13	13	23	12	
4-14	23/9		2	4	24	1	3	10	
4-13	23/9		2	2	13	13	23	8	
4-12	23/9		NS HUMUS OVER BOG						
4-11	23/9		NS SWAMP						
4-10	23/9		NS HUMUS OVER BOULDERS						
4-9	23/9		2	2	13	13	3	8	
4-8	23/9		2		13	13	23	12	
4-7	23/9		NS BLACK HUMUS						16
4-6	23/9		2	4	34	1	23	10	
4-5	23/9		NS SWAMP						

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 6)

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth
DR 6								
3-A	19/9		2	2	2	1	2	
3-B	19/9		2	2	2	1	2	
3-C	19/9		3					
3-D	19/9		3					
3-E	19/9		3					
3-F	19/9		3					
3-G	19/9		2	2	2	1	2	
DR 5								
1-1	19/9		3					
1-2	19/9		2	3	23	1	23	SOME ROCK
1-3	19/9		2	2	2	1	24	
1-4	19/9		2	4	23	1	24	
1-5	19/9		3					
1-6	19/9		2	2	2	1	24	
1-7	19/9		2	2	2	1	41	
1-8	19/9		2	2	2	1	24	
1-9	19/9		2	2	24	1	2	SOME ROCK PRESENT
1-10	19/9		3					
1-11	19/9		2	2	23	1	234	
1-12	19/9		2	2	23	1	2	
1-13	19/9		2	2	2	1	24	
1-14	19/9		2	2	23	1	2	

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 6)

COLLECTOR: Connolly

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)
DR6								
1-1	18/9		3					
1-2	18/9		2	4	12	1	23	
1-3	18/9		2	2	2	1	23	
1-4	18/9		2	2	2	1	2	
1-6	18/9		2	2	34	1	2	
1-7	18/9		2	4	24	1	3	
1-8	18/9		2	4	23	1	23	
1-9	18/9		2	4	2	1	32	
1-10	18/9		3					
1-11	18/9		2	4	23	1	2	
1-12	18/9		3					
1-13	18/9		2	2	23	1	23	
1-14	18/9		2	4	23	1	2	
1-15	18/9		2	2	2	1	2	
			2	2	2	1	24	
3-1	18/9		3					
3-2	18/9		2	2	32	1	2	SOME ROCK
3-3	18/9		2	4	2	1	2	

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 6)

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)	
DR6									
2-1	18/9	1635	NS		HUMUS OVER ROCK			8	
2-2	18/9	1627	2		3	3	2	OVER TALUS	
2-3	18/9	1628	2		34	13	3	16	
2-4	18/9	1626	NS			SWAMP			
2-5	18/9	1628	NS			SWAMP			
2-6	18/9	1635	2		5	1	3	8	
2-7	18/9	1638	2	2	4	1	3	8	
2-8	18/9	1635	2		5	1	2	8	
2-9	18/9	1635	2	4	25	1	23	8	
2-10	18/9	1632	NS		HUMUS OVER TALUS			18	
2-11	18/9	1630	2		23	13	23	16	
2-12	18/9	1630	2	2	2	2	2	7	
2-13	18/9	1635	NS		HUMUS OVER TALUS			6	
2-14	18/9	1632	2		2	13	2	OVER ROCK	
2-15	18/9	1635	NS		HUMUS			14	
2-16	18/9	1635	2	2	2	13		6	OVER ROCKS
2-17	18/9	1630	NS		BOULDERS				
2-18	18/9	1630	2		5	3	3	12	OVER ROCK
2-19	18/9	1635	2	2	23	13	2	12	
2-20	18/9	1635	2	4	2	1	3	10	
2-21	18/9	1635	2	4	12	1	3	10	
2-22	18/9	1635	2	3	5	13	3	12	OVER BOG
2-23	18/9	1632	2	4	4	13	23	15	
2-24	18/9	1625	NS			BOG			

GEOCHEMICAL SAMPLE DATA SHEET

AREA: Snowdrift (Drift 6)

COLLECTOR: Spink

Sample Number	Date	Altitude	Type	Charact.	Texture	Horizon	Color	Depth (INCHES)
DR6								
4-1	18/9	1625	NS		ROCK OVER BOG			
4-2	18/9	1635	NS		HUMUS OVER BOG			18
4-3	18/9	1630	NS		HUMUS OVER BOG			
4-4	18/9	1624	NS		HUMUS OVER BOG			18
4-5	18/9	1627	NS		BOG			
4-6	18/9	1635	2	4	23	1	2	12
4-7	18/9	1630	2	4	3	3	3	14
4-8	18/9	1632	2	2	2	1	3	10
4-9	18/9	1632	NS		HUMUS OVER ROCK			16
4-10	18/9	1630	NS		HUMUS OVER BOG			16
4-11	18/9	1630	NS		BOG			
4-12	18/9	1625	2	2	2	3	2	12
4-13	18/9	1630	2	4	23	3		14
4-14	18/9	1630	NS		SWAMP			
4-17	18/9		NS		SWAMP			
4-18	18/9	1600	NS		SWAMP			
4-19	18/9	1596	NS		SWAMP			
4-20	18/9	1593	NS		SWAMP			
4-21	18/9	1595	NS		HUMUS OVER SWAMP			14
4-22	18/9	1595	NS		HUMUS OVER TALUS			14
4-23	18/9	1605	2	4	23	13	3	12
4-24	18/9	1596	2	4	2	1	3	
4-25	18/9	1598	NS		TALUS OVER BOG			8
4-26	18/9		NS		BOG			
4-27	18/9	1605	NS		BOG			
4-28	18/9	1605	NS		HUMUS OVER TALUS			8
4-29	18/9	1620	2	2	25	1	3	7
4-30	18/9	1625	NS		HUMUS OVER TALUS			8

APPENDIX II

Data from Pit Sampling

PIT No. 1

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
1 - 4	0	SOIL	DRY	SAND - CLAY	B	YELLOW - GREY	2	97	2.1
1 - 1	25	SOIL	DRY	SAND - ORGANIC	B	BROWN	62	174	1.6
1 - 2	61	ROCK	-	-	-	-	2	92	2.4
1 - 3	76 76	SOIL	DRY	SAND	C	BROWN	70	195	1.6


PIT No. 2

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
2 - 1	0	SOIL	DRY	SAND	B	BROWN	68	152	1.5
2 - 2	35 38	ROCK	-	SAND	-	-	2	26	0.9
2 - 3		SOIL	DRY	SAND	B - C	BROWN - RED	100	220	1.5
2 - 4	71 81	SOIL	DRY	SAND	B - C	GREY - RED	200	325	1.5

PIT No. 3

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
3-1	0	ROCK	-	-	-	-	2	99	0.3
	38								
3-2	51	SOIL	DRY	SAND	B	GREY - RED	14	80	1.1
3-3	61	SOIL	DRY	SAND	B	BROWN - GREY	14	78	1.0

PIT No. 5

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
5 - 1		SOIL	DRY	SAND - CLAY	B	BROWN - GREY	5	50	1.3
5 - 2		SOIL	DRY	SAND - CLAY	B	BROWN - GREY	4	105	1.4
5 - 3		SOIL	DRY	SAND - CLAY	B	BROWN - GREY	4	108	1.9

PIT No. 7

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
7-1	0	SOIL	DRY	SAND - ORGANIC	A	BROWN	5	33	1.2
7-2	71 81	SOIL	DRY	SAND	B - A	GREY	2	32	0.8

PIT No. 8

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
8 - 1	0 ┆ ┆ 30 ┆ ┆ 46 ┆ ┆ 69 ┆ 	SOIL	DRY	SAND - CLAY	B	BROWN - GREY	40	63	0.8
8 - 2		SOIL	DRY	SAND	B	GREY	3	31	0.9
8 - 3		SOIL	DRY	SAND	B	GREY	5	39	1.2

PIT No. 9

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
	0								
9 - 1		SOIL	DRY	SAND - CLAY	B	BROWN - GREY	4	53	0.8
	36								
9 - 2	43	SOIL	DRY	SAND - CLAY	B	GREY	6	51	0.7
9 - 3		SOIL	DRY	SAND	B	YELLOW - BROWN	12	46	1.2
	66								
9 - 4	76	SOIL	DRY	SAND	C	BROWN - GREY	10	51	0.9

PIT No. 10

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
10 - 1	0	SOIL	BIO	SAND - CLAY	B	GREY	2	56	1.1
10 - 2	15	SOIL	BIO	SAND	B	GREY	2	48	0.8
10 - 3	38 41	SOIL	BIO	SAND	B	YELLOW	5	56	1.1
10 - 4	58	SOIL	BIO	SAND	B	GREY	2	49	1.0
10 - 5	76	SOIL	BIO	SAND - CLAY	B	GREY	1	50	0.8

PIT No. 13

SAMPLE	DEPTH (cm.)	TYPE	CHAR.	TEXTURE	HORIZON	COLOR	Mo ppm	Cu ppm	Ag ppm
13 - 1	0	SOIL	DRY	SAND - ORGANIC	B - A	BROWN - RED	42	36	0.7
13 - 2	25	SOIL	DRY	SAND - CLAY	B	YELLOW - BROWN	24	49	1.0
13 - 3	63	SOIL	DRY	SAND	B	YELLOW - BROWN	25	60	0.7
13 - 4	76 81	SOIL	SWAMP	SAND	B	BROWN - GREY	26	70	1.0

APPENDIX III

Statistical Treatment of Soil Samples

P-STAT FILE PSYS HAS 6 VARIABLES AND 284 ROWS

ROW LABELS GENERATED FROM SEQUENCE NUMBERS.

COR,
IN=PSYS (C CU,AG,MO) ,
COR=COROUT \$

CORRELATE COMPLETED.
284 ROWS AND 3 COLUMNS WERE READ.
THERE WAS NO MISSING DATA.

BPRINT=.1/COROUT \$
1 CORRELATION OF CU,AG,MO
CORRELATIONS OF PSYS

PAGE= 1, BLANK= .10
FILE=COROUT

POSITION	LABEL	1	2	3
		CU	AG	MO
1	CU	100	47	65
2	AG	47	100	39
3	MO	65	39	100

END OF FILE WHEN READING A COMMAND FROM UNIT 5

NUMBER OF ERRORS DURING THIS RUN WAS 0

FREQ=PSYS (IF CU .GE. 0 .AND. CU .LE. 660, RETAIN)
(FOR (CU), SET .X. TO LOG10(.X.))

LOGNORMAL FREQUENCY

VARIABLE	1,		CU		
	LOW	HIGH	N	PCT	CUM
.7782	.8451	2	1	1	
.9031	.9031	1	0	1	
.	.				
1.0414	1.0414	1	0	1	
1.1139	1.1139	2	1	2	
1.1461	1.1761	2	1	3	
1.2041	1.2304	3	1	4	
1.2553	1.3010	7	2	6	
1.3222	1.3802	19	7	13	
1.3979	1.4472	15	5	18	
1.4624	1.5185	19	7	25	
1.5315	1.5911	25	9	34	
1.6021	1.6532	19	7	40	
1.6628	1.7243	29	10	51	
1.7324	1.7924	24	8	59	
1.7993	1.8633	28	10	69	
1.8751	1.9294	21	7	76	
1.9395	1.9956	17	6	82	
2.0000	2.0645	12	4	87	
2.0899	2.1335	9	3	90	
2.1367	2.2014	9	3	93	
2.2041	2.2695	3	1	94	
2.2742	2.3222	6	2	96	
2.3424	2.3802	3	1	97	
2.4393	2.4624	3	1	98	
2.4914	2.5119	3	1	99	
.	.				
.	.				
2.6902	2.6902	1	0	100	
2.8129	2.8129	1	0	100	
MISSING DATA 1 0.					
MISSING DATA 2 0.					
MISSING DATA 3 0.					
GOOD N 284.					
MEAN 1.7372					
VARIANCE .0987					
S.D. .3141					

FREQ=PSYS (IF CU .GE. 0 .AND. CU .LE. 660, RETAIN)

FREQUENCY DISTRIBUTION

VARIABLE	1,	CU	ALL		
LOW	HIGH	N	PCT	CUM	
6.	27.	51	18	18	
28.	48.	72	25	43	
49.	70.	63	22	65	
71.	91.	40	14	80	
92.	111.	18	6	86	
115.	134.	9	3	89	
135.	156.	8	3	92	
158.	174.	5	2	94	
186.	195.	4	1	95	
200.	220.	5	2	97	
240.	240.	1	0	97	
.	.				
275.	285.	2	1	98	
290.	290.	1	0	98	
310.	325.	3	1	99	
.	.				
.	.				
.	.				
.	.				
.	.				
490.	490.	1	0	100	
.	.				
.	.				
.	.				
.	.				
650.	650.	1	0	100	
MISSING DATA 1				0.	
MISSING DATA 2				0.	
MISSING DATA 3				0.	
GOOD N				284.	
MEAN			72.3028		
VARIANCE			4819.2154		
S.D.			69.4206		

HIST=PYS (FOR (CU,AG,MO), SET .X. TO LOG10(.X.))
 (C CU,AG,MO)
 BARS=20#

HISTOGRAMS
 N=284 BARS=20

MEAN=1.7315

SD=.31497

CU

N	CU	1	2	4	5	7	8	15	19	21	30	32	36	40
1	1.778151	**	**	**	**	**	**	**	**	**	**	**	**	**
2	1.845098	**	**	**	**	**	**	**	**	**	**	**	**	**
4	1.11394	**	**	**	**	**	**	**	**	**	**	**	**	**
5	1.17609	**	**	**	**	**	**	**	**	**	**	**	**	**
7	1.47712	**	**	**	**	**	**	**	**	**	**	**	**	**
8	1.39794	**	**	**	**	**	**	**	**	**	**	**	**	**
15	1.69897	**	**	**	**	**	**	**	**	**	**	**	**	**
19	1.79239	**	**	**	**	**	**	**	**	**	**	**	**	**
21	2.10037	**	**	**	**	**	**	**	**	**	**	**	**	**
30	2.31597	**	**	**	**	**	**	**	**	**	**	**	**	**
32	2.6902	**	**	**	**	**	**	**	**	**	**	**	**	**
36		**	**	**	**	**	**	**	**	**	**	**	**	**
40		**	**	**	**	**	**	**	**	**	**	**	**	**

PCT
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 + 12.7
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 + 11.3
 +
 + 10.6
 +
 +
 +
 + 7.4
 +
 + 6.7
 +
 +
 + 5.3
 +
 +
 +
 +
 + 2.8
 +
 + 2.5
 +
 + 1.8
 +
 + 1.4
 +
 + .7
 +
 + .4

HISTOGRAMS

N=284

BARS=20

MEAN=72.3028

SD=69.4206

N	CU	PCT
+ + +		
94 + **		+ 33.1
92 + ** **		+ 32.4
+ ** 94		+
+ 92 **		+
+ ** **		+
+ ** **		+
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50 + ** ** **		+ 17.6
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+ ** ** **		+
17 + ** ** ** ** ** ** ** ** -		+ 6.0
+ ** ** ** -		+
12 + ** ** ** 17 -		+ 4.2
+ ** ** ** -		+
+ ** ** ** 12		+
+ ** ** ** -		+
5 + ** ** ** ** -		+ 1.8
3 + ** ** ** *5 *5 *1 *3 *3		+ 1.1

6 39 71 103 174 200 275 310		490
38 70 102 134 195 220 290 325		650

FREQ=PSYS (IF AG .GE. 0 .AND. AG .LE. 30, RETAIN)
 (FOR (AG), SET .X. TO LOG10(.X.))

LOGNORMAL FREQUENCY

VARIABLE	1,		AG		
			ALL		
LOW	HIGH	N	PCT	CUM	
-1.0000	-1.0000	1	0	0	
.	.				
-.6990	-.6990	3	1	1	
.	.				
-.5229	-.5229	1	0	2	
.	.				
-.3979	-.3979	7	2	4	
-.3010	-.3010	6	2	6	
-.2218	-.1549	32	11	18	
-.0969	-.0969	22	8	25	
-.0458	0.0000	47	17	42	
.0414	.0792	50	18	59	
.1139	.1761	67	24	83	
.2041	.2553	30	11	94	
.2788	.3424	12	4	98	
.3617	.4314	4	1	99	
.	.				
.	.				
.6232	.6990	2	1	100	
MISSING DATA 1			0.		
MISSING DATA 2			0.		
MISSING DATA 3			0.		
GOOD N			284.		
MEAN			.0313		
VARIANCE			.0400		
S.D.			.2000		

FREQ=PSYS (IF AG .GE. 0 .AND. AG .LE. 30, RETAIN)

FREQUENCY DISTRIBUTION

VARIABLE	1,	AG	ALL		
LOW	HIGH	N	PCT	CUM	
.1000	.3000	5	2	2	
.4000	.5000	13	5	6	
.6000	.8000	54	19	25	
.9000	1.0000	47	17	42	
1.1000	1.3000	65	23	65	
1.4000	1.5000	52	18	83	
1.6000	1.8000	30	11	94	
1.9000	2.0000	9	3	97	
2.1000	2.3000	5	2	99	
2.4000	2.4000	1	0	99	
2.7000	2.7000	1	0	99	
.	.				
.	.				
.	.				
.	.				
4.2000	4.2000	1	0	100	
.	.				
5.0000	5.0000	1	0	100	
MISSING DATA 1				0.	
MISSING DATA 2				0.	
MISSING DATA 3				0.	
GOOD N				284.	
MEAN			1.1806		
VARIANCE			.2677		
S.D.			.5174		

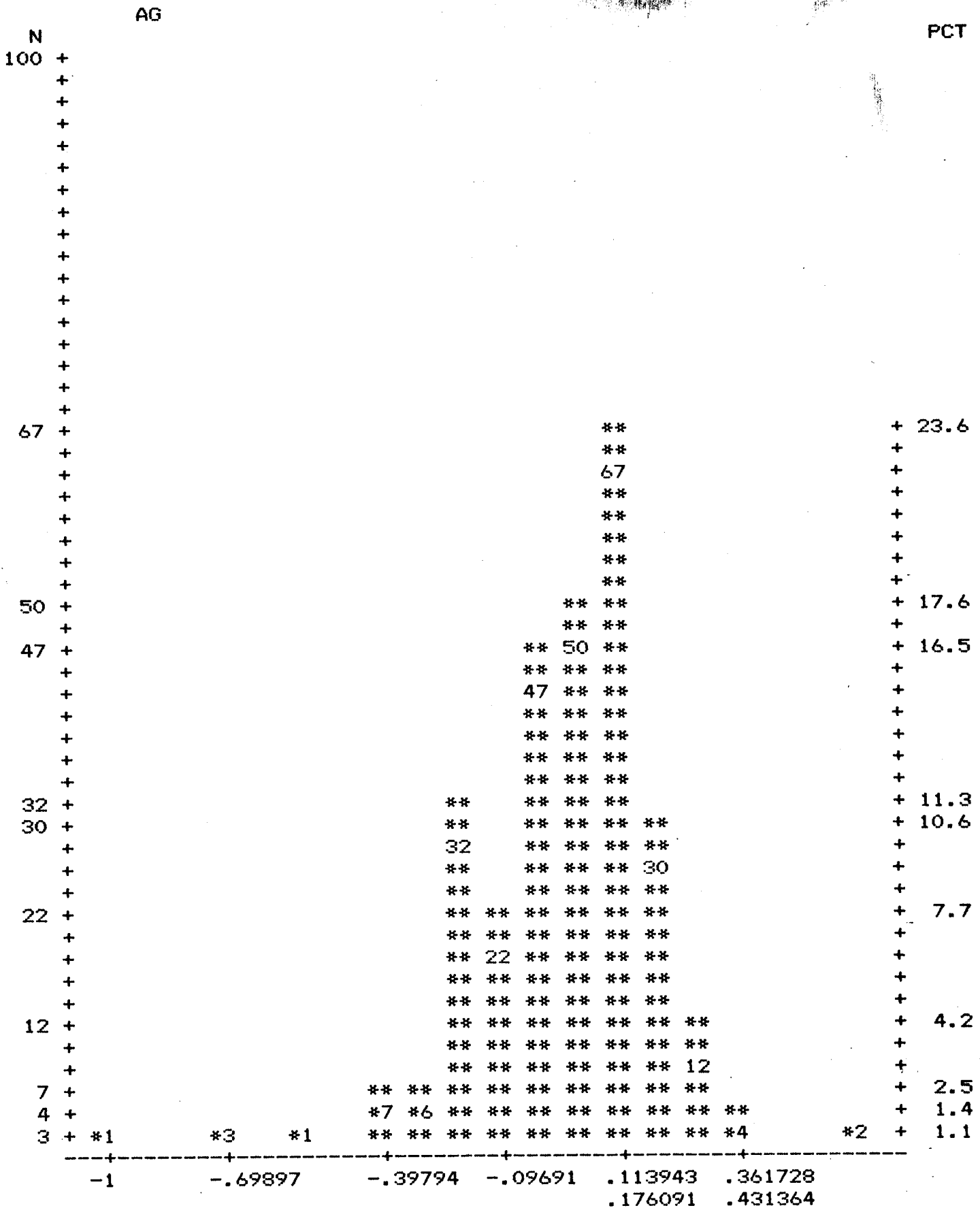
HISTOGRAMS

N=284

BARS=20

MEAN=.031269

SD=.199969



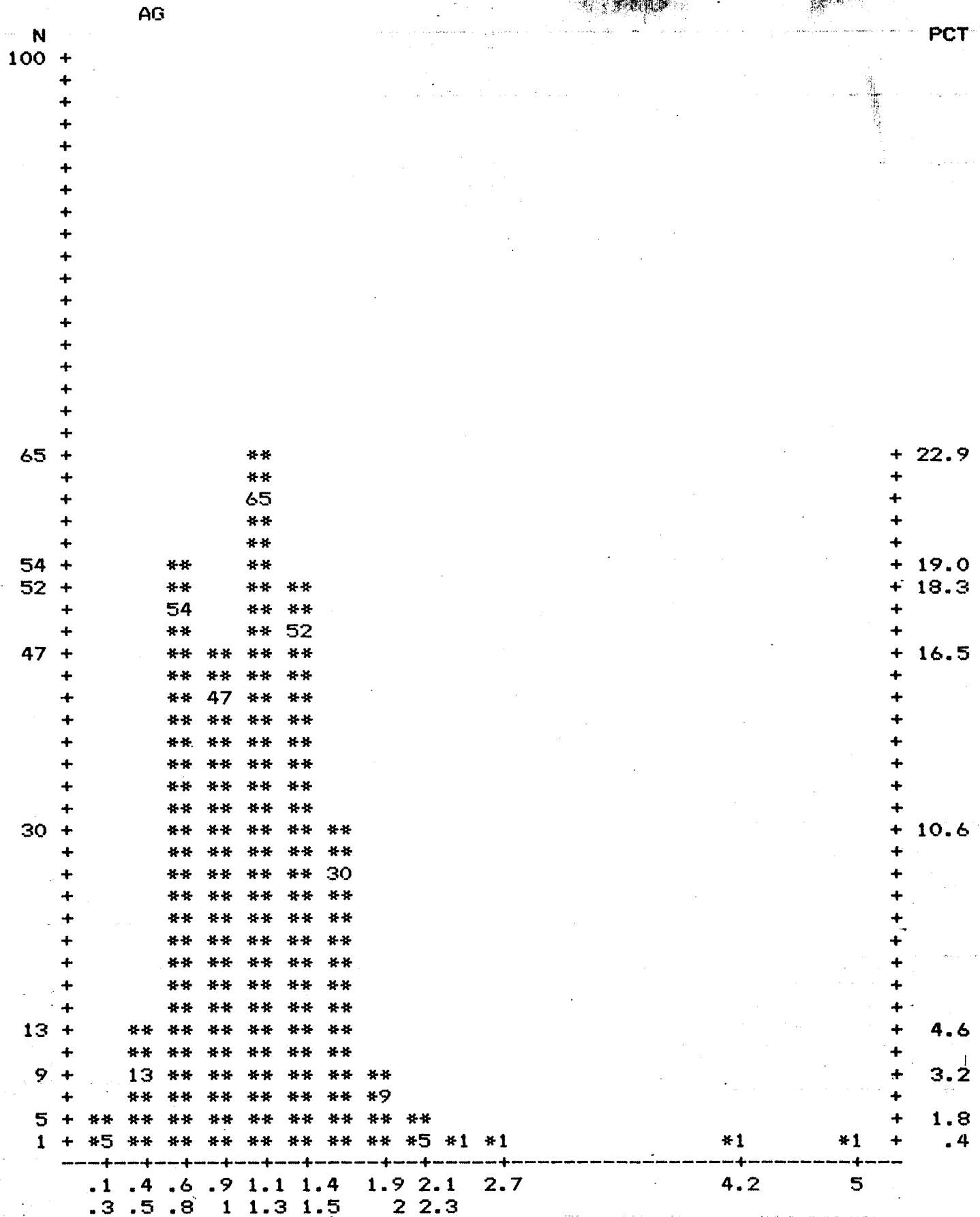
HISTOGRAMS

N=284

BAR=20

MEAN=1.18063

SD=.517412



FREQ=PSYS (IF MO .GE. 0 .AND. MO .LE. 270, RETAIN)
 (FOR (MO), SET .X. TO LOG10(.X.))

LOGNORMAL FREQUENCY

VARIABLE	1,	MO		
LOW	HIGH	N	PCT	CUM
0.0000	0.0000	64	23	23
.	.			
.3010	.3010	74	26	49
.	.			
.4771	.4771	15	5	54
.	.			
.6021	.6021	24	8	62
.6990	.6990	17	6	68
.7782	.7782	16	6	74
.8451	.8451	2	1	75
.9031	.9542	9	3	78
1.0000	1.0000	8	3	81
1.0414	1.1139	8	3	83
1.1461	1.1461	4	1	85
1.2041	1.2788	7	2	87
1.3010	1.3424	3	1	88
1.3802	1.4150	6	2	90
1.5051	1.5051	1	0	91
1.5441	1.5563	2	1	92
1.6021	1.6628	4	1	93
1.7160	1.7482	3	1	94
1.7634	1.8325	6	2	96
1.8388	1.8451	2	1	97
1.9345	1.9823	2	1	98
2.0000	2.0334	2	1	98
2.1399	2.1399	1	0	99
2.2041	2.2041	1	0	99
2.2788	2.3010	2	1	100
2.3979	2.3979	1	0	100
MISSING DATA 1				0.
MISSING DATA 2				0.
MISSING DATA 3				0.
GOOD N				284.
MEAN				.6006
VARIANCE				.3124
S.D.				.5590

FREQ=PSYS (IF MO .GE. 0 .AND. MO .LE. 270, RETAIN)

FREQUENCY DISTRIBUTION

VARIABLE	1,	MO			
				ALL	
LOW	HIGH	N	PCT	CUM	
1.	9.	221	78	78	
10.	17.	22	8	86	
18.	25.	11	4	89	
26.	32.	4	1	91	
35.	42.	4	1	92	
46.	46.	2	1	93	
52.	58.	4	1	94	
62.	66.	3	1	95	
68.	70.	4	1	97	
.	.				
86.	86.	1	0	97	
96.	100.	2	1	98	
108.	108.	1	0	98	
.	.				
.	.				
138.	138.	1	0	99	
.	.				
.	.				
160.	160.	1	0	99	
.	.				
.	.				
190.	190.	1	0	99	
200.	200.	1	0	100	
.	.				
.	.				
.	.				
.	.				
250.	250.	1	0	100	
MISSING DATA 1				0.	
MISSING DATA 2				0.	
MISSING DATA 3				0.	
GOOD N				284.	
MEAN				12.2641	
VARIANCE				868.7745	
S.D.				29.4750	

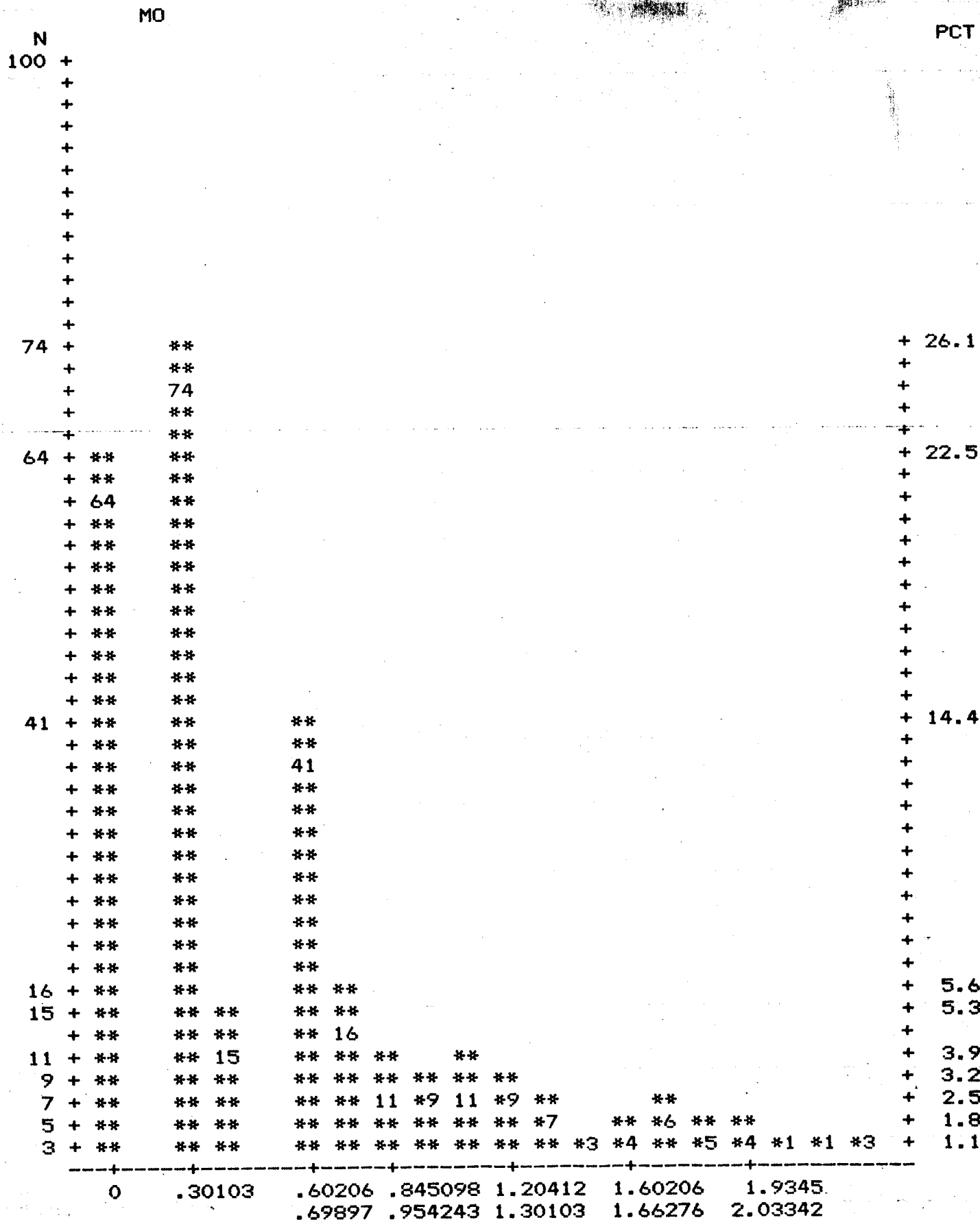
HISTOGRAMS

N=284

BARs=20

MEAN=.600612

SD=.558966



HISTOGRAMS

N=284

BAR=20

MEAN=12.2641

SD=29.475

MO

N		PCT
+		
+		
+		
237	+ 2*	+ 83.5
	+ 3*	+
	+ 7*	+
	+ **	+
	+ **	+
	+ **	+
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	+ **	+
	+ **	+
17	+ ** **	+
	+ ** 17	+ 6.0
6	+ ** ** *6 *4 *6 *5 *1 *2 *1 *1 *1 *2 *1	+ 2.1
	-----+-----	
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	13 25 36 46 62 70 100	

DRIFT GROUP MINERAL CLAIMS



GEOLOGICAL BRANCH
ASSESSMENT REPORT

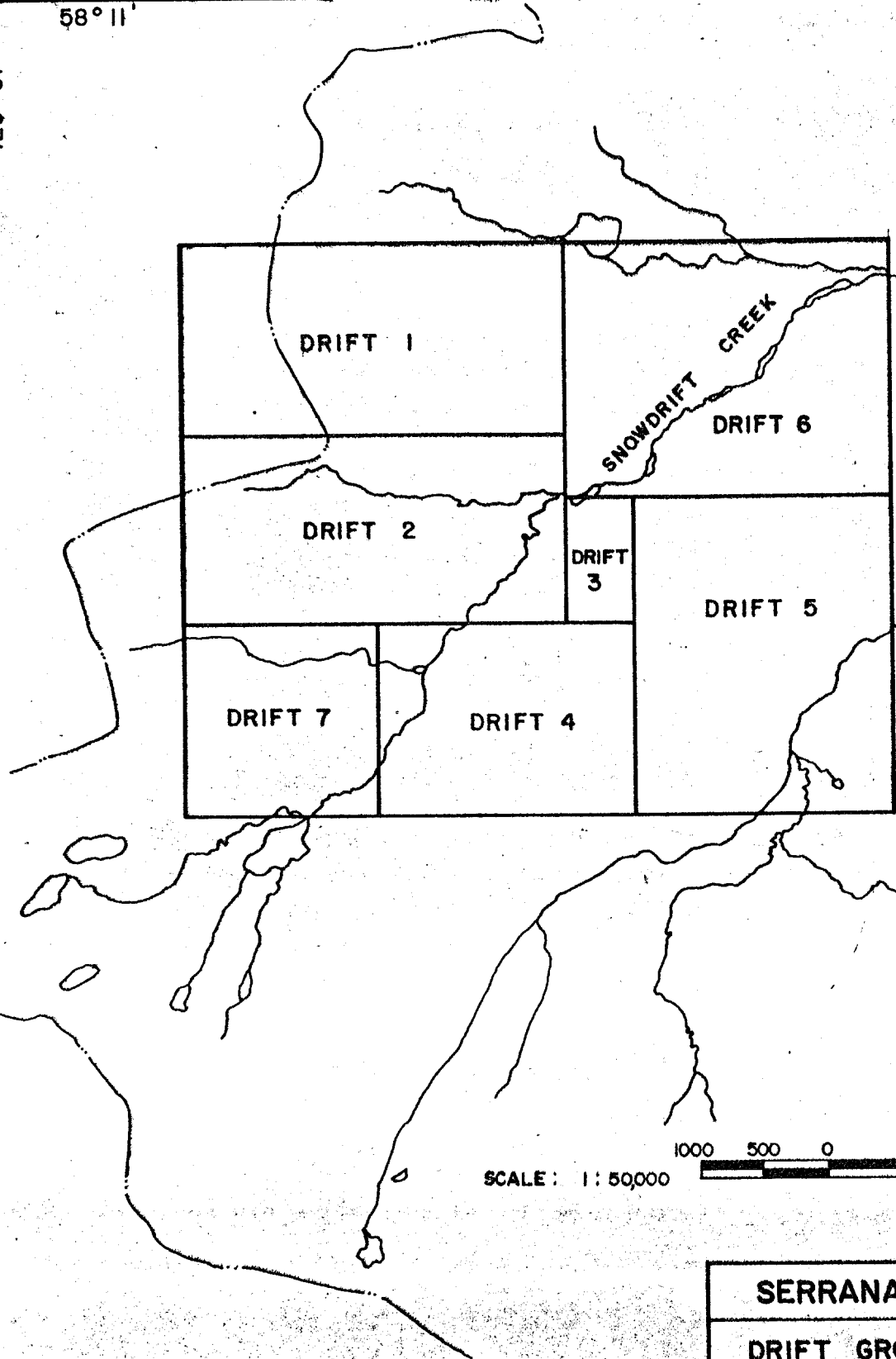
10,923

FIGURE 1.
MAP 1
GENERAL LOCATION MAP

129° 37'

58° 11'

129° 37'



GEOLOGICAL BRANCH
ASSESSMENT REPORT

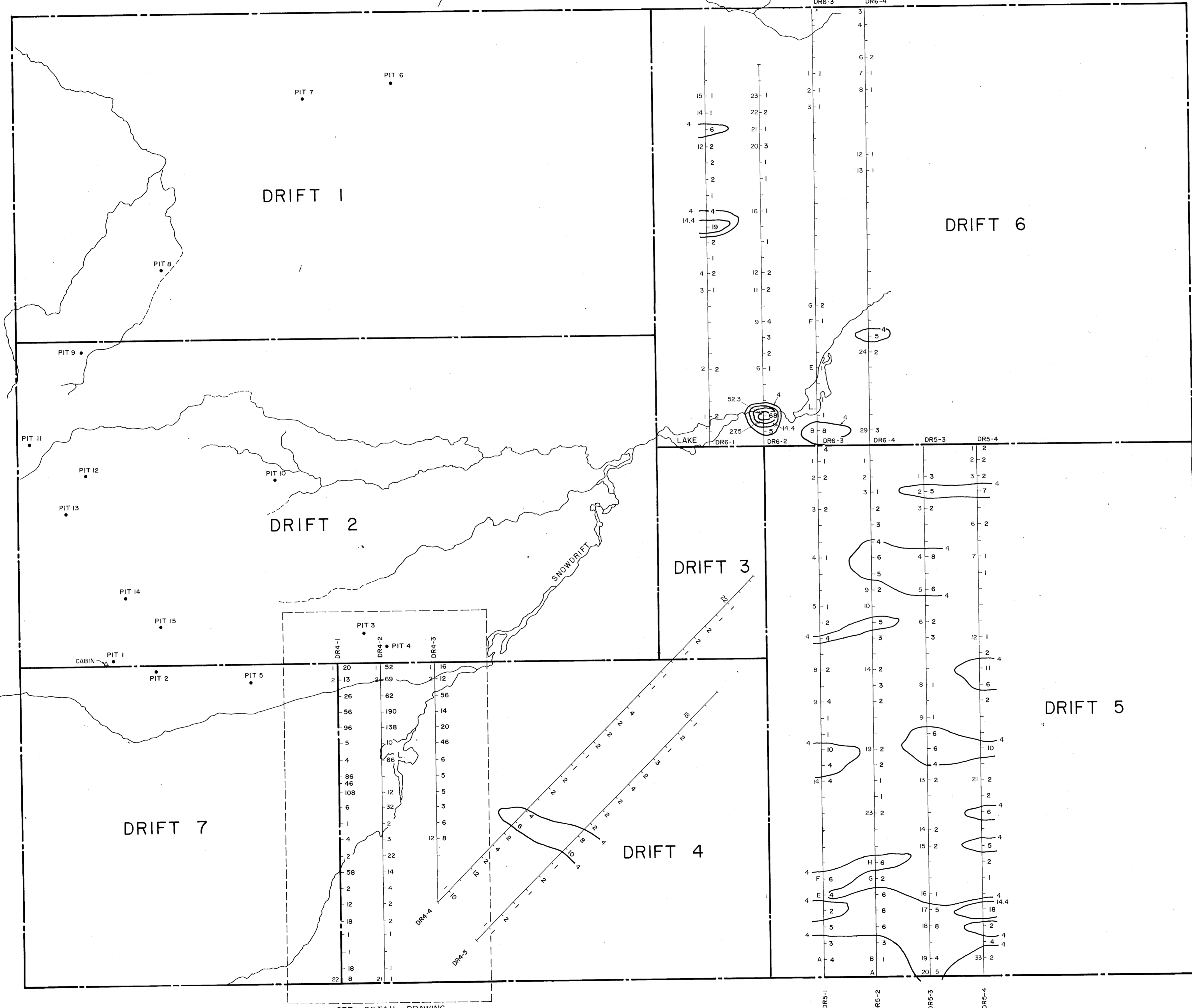
10,923

SCALE: 1:50,000

FIGURE 2

SERRANA RESOURCES LTD.
DRIFT GROUP MINERAL CLAIMS
MAP 2
INDEX MAP
DRAWN: E.B.CATAPIA
DATE: NOVEMBER 1982

PART OF MINERAL CLAIM MAP 1041/5E
DEPT. OF MINES AND PETROLEUM
RESOURCES. VICTORIA, B.C.



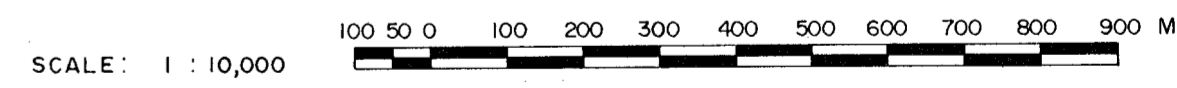
LEGEND:

CONTOURS	4	MEAN
	14.4	1.0 STANDARD DEVIATION
	27.5	1.5 STANDARD DEVIATION
	52.3	2.0 STANDARD DEVIATION
	99.6	2.5 STANDARD DEVIATION
	109.5	3.0 STANDARD DEVIATION

A-4 VALUE
SAMPLE NO.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

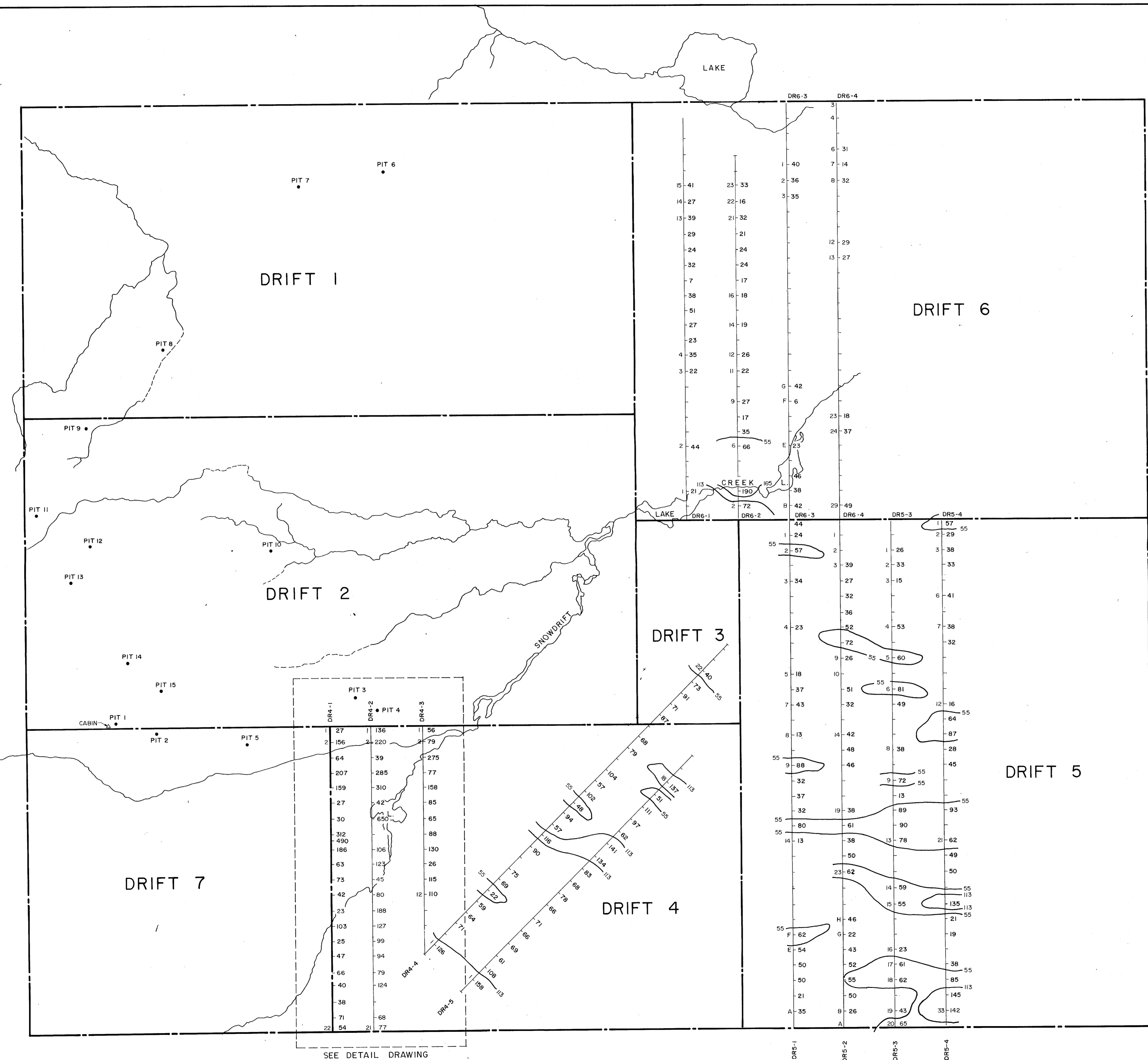
10,923



SERRANA RESOURCES LTD.
 DRIFT GROUP MINERAL CLAIMS
 LIARD MINING DIVISION, B.C.
 GEOCHEMICAL SOIL SURVEY
MOLYBDENUM IN SOIL
 MAP 3

GEOLOGIST	D. GRAHAM PENG.	SCALE:	1 : 10,000
DRAWN	E. B. CATAPIA	DATE:	NOVEMBER 1982
CHECKED	J. M. ASHTON		

SEE DETAIL DRAWING



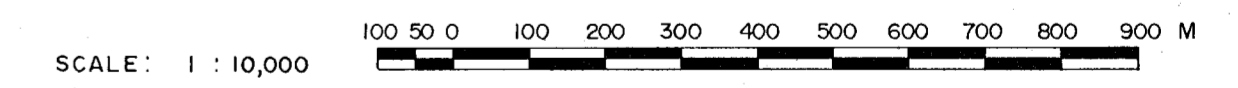
LEGEND:

CONTOURS	55	MEAN
	113	1.0 STANDARD DEVIATION
	165	1.5 STANDARD DEVIATION
	232	2.0 STANDARD DEVIATION
	357	2.5 STANDARD DEVIATION
	524	3.0 STANDARD DEVIATION

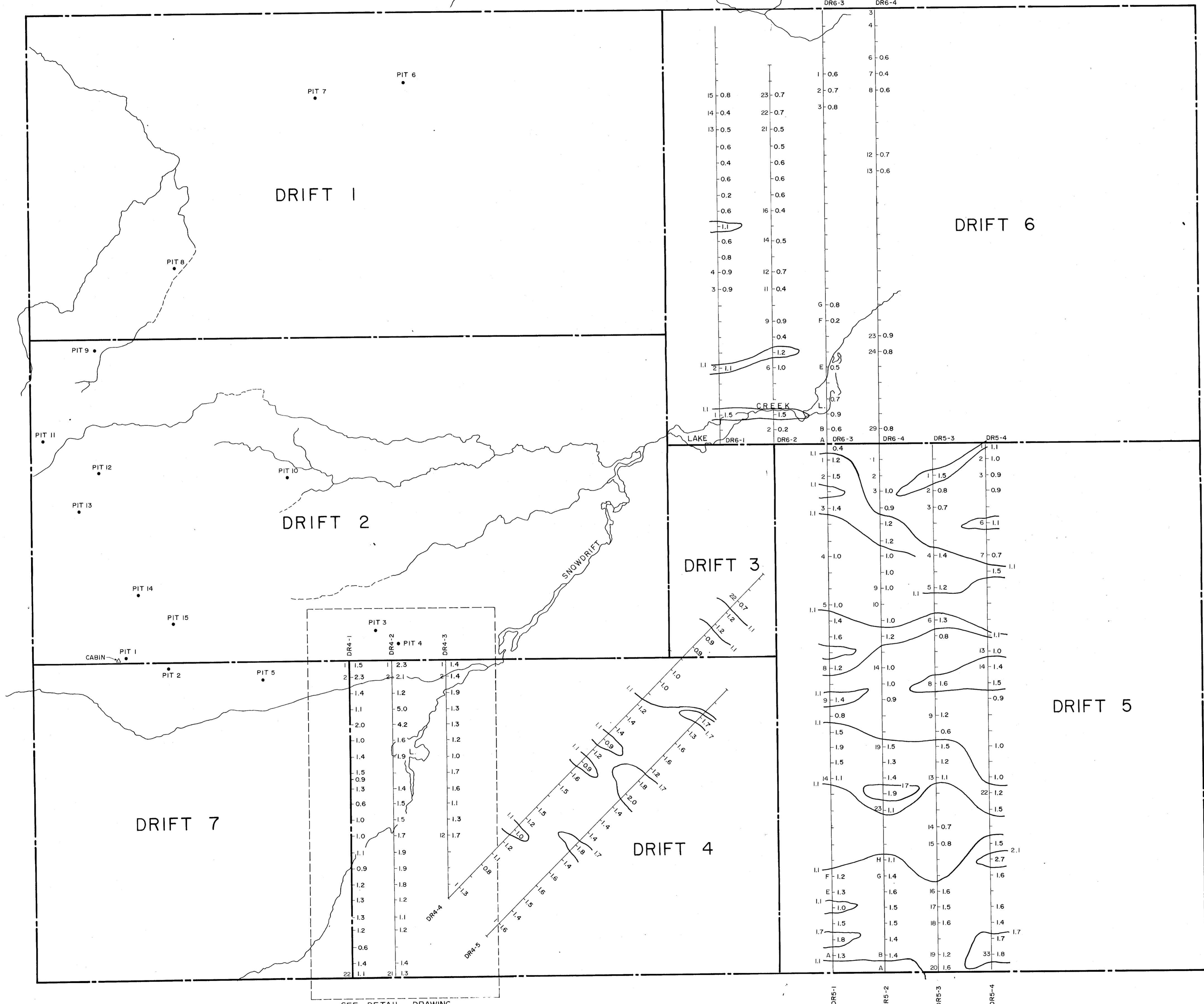
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,923

A-45 VALUE
SAMPLE NO.



SERRANA RESOURCES LTD.		
DRIFT GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.		
GEOCHEMICAL SOIL SURVEY		
COPPER IN SOIL		
MAP 4		
GEOLOGIST	D. GRAHAM PENG.	SCALE: 1 : 10,000
DRAWN	E.B. CATAPIA	DATE: NOVEMBER 1982
CHECKED	J.M. ASHTON	

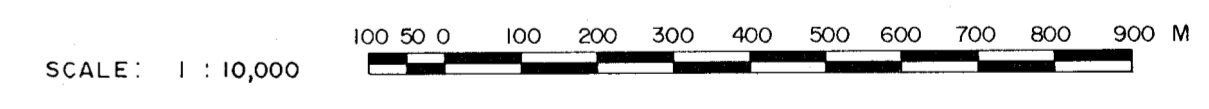
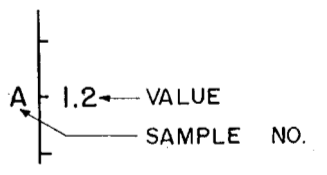


SEE DETAIL DRAWING

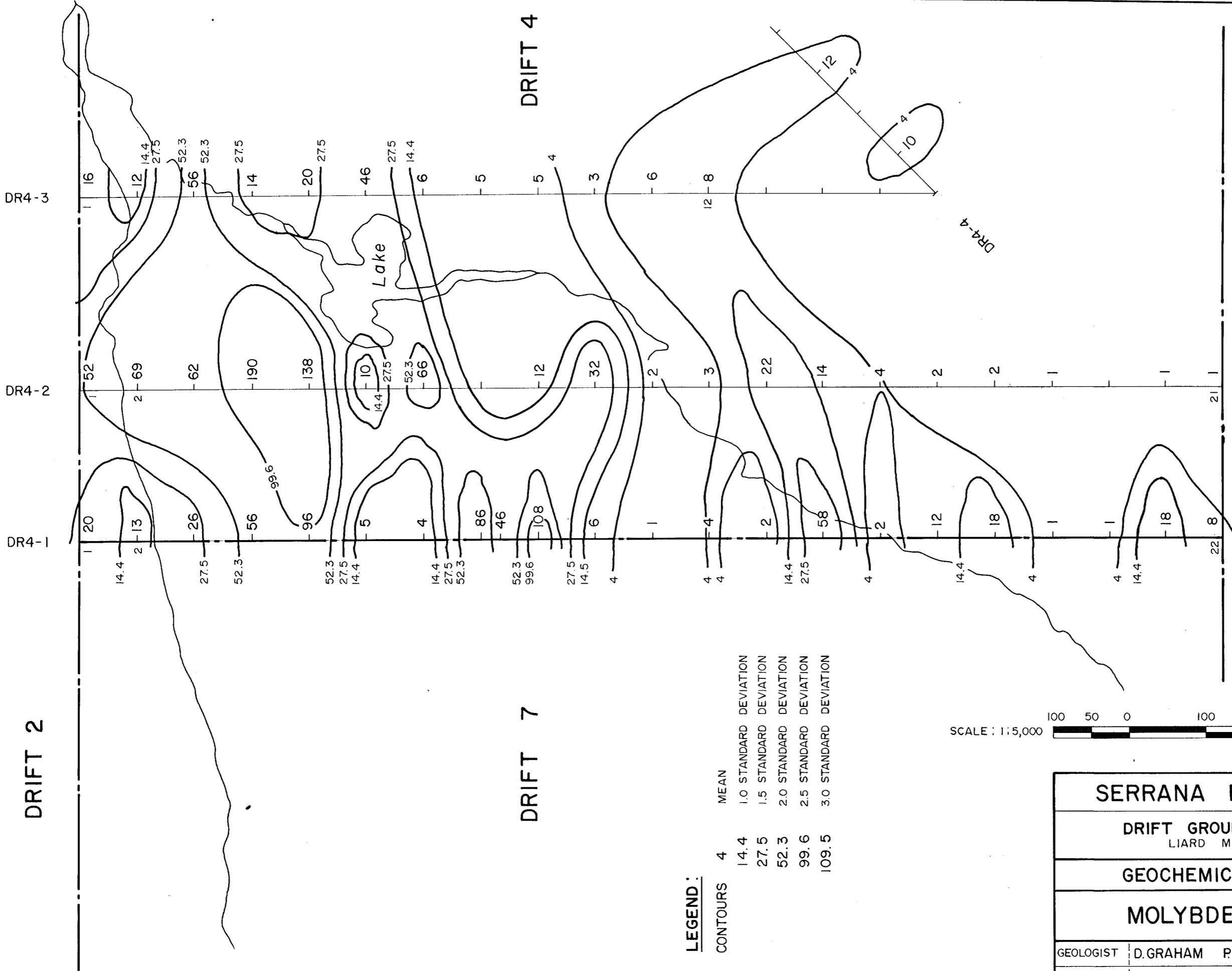
- LEGEND:**
- CONTOURS 1.1 MEAN
 - 1.7 1.0 STANDARD DEVIATION
 - 2.1 1.5 STANDARD DEVIATION
 - 2.7 2.0 STANDARD DEVIATION
 - 3.4 2.5 STANDARD DEVIATION
 - 4.3 3.0 STANDARD DEVIATION
 - 5.4

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ASSESSMENT REPORT**

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SERRANA RESOURCES LTD.		
DRIFT GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.		
GEOCHEMICAL SOIL SURVEY		
SILVER IN SOIL MAP 5		
GEOLOGIST	D. GRAHAM PENG.	SCALE: 1 : 10,000
DRAWN	E. B. CATAPIA	DATE: NOVEMBER 1982
CHECKED	J. M. ASHTON	



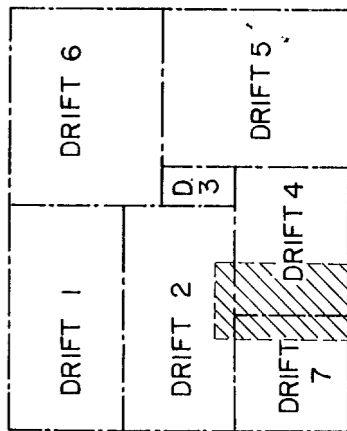
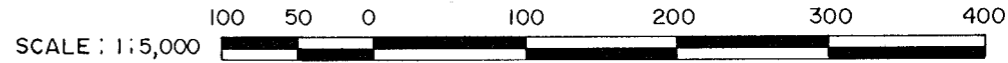
DRIFT 2

DRIFT 7

DRIFT 4

LEGEND:

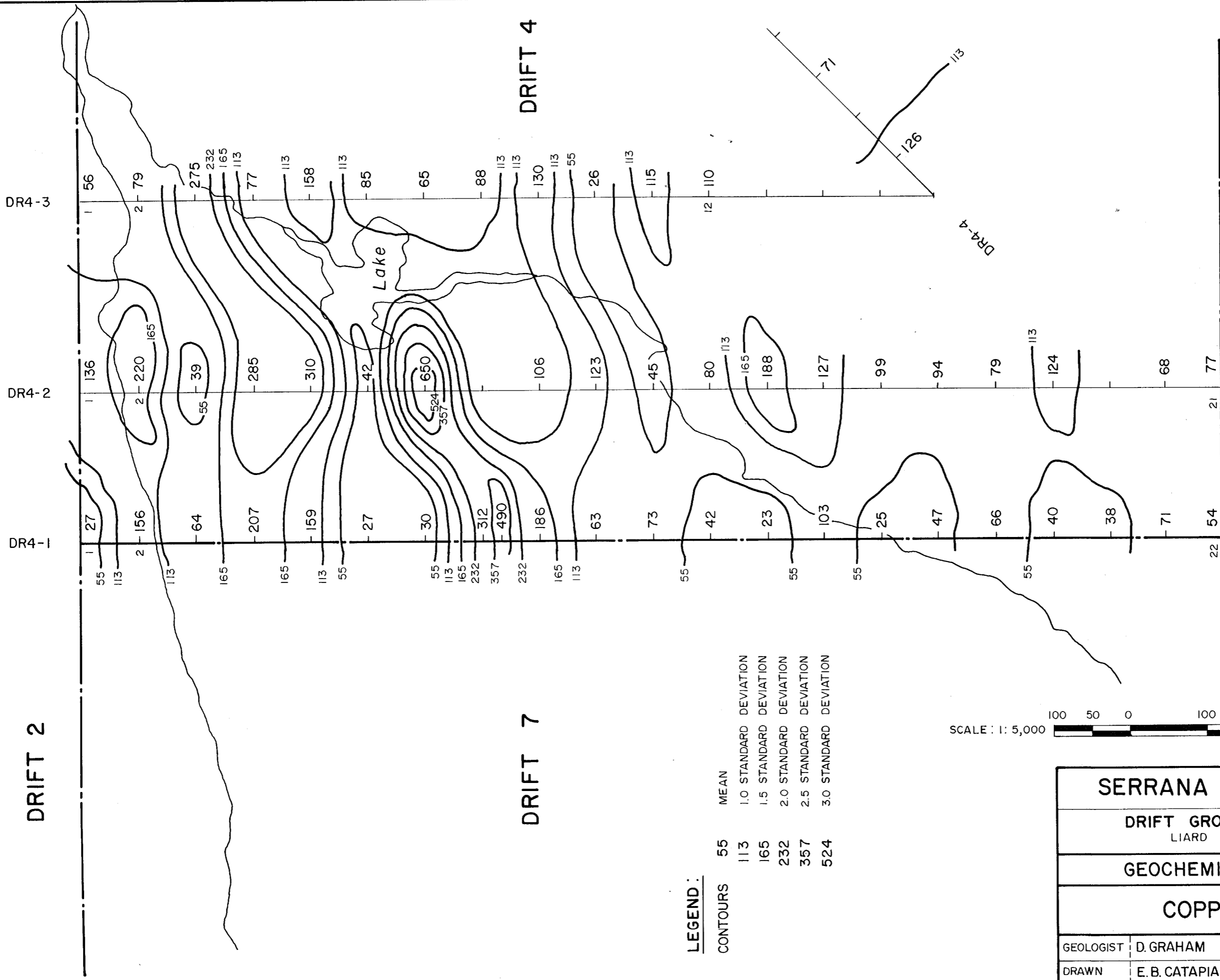
CONTOURS	MEAN	STANDARD DEVIATION
4	14.4	1.0
	27.5	1.5
	52.3	2.0
	99.6	2.5
	109.5	3.0



KEY PLAN

10,923

SERRANA RESOURCES LTD.			
DRIFT GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.			
GEOCHEMICAL SOIL SURVEY			
MOLYBDENUM IN SOIL MAP 6			
GEOLOGIST	D.GRAHAM PENG.	SCALE	1 : 5000
DRAWN	E.B.CATAPIA	DATE	NOVEMBER 1982
CHECKED	J.M.ASHTON		



DRIFT 4

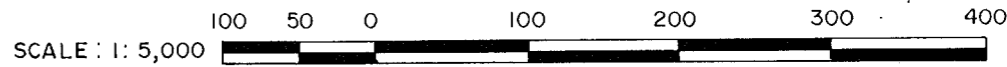
DRIFT 7

DRIFT 2

DR4-1
DR4-2
DR4-3

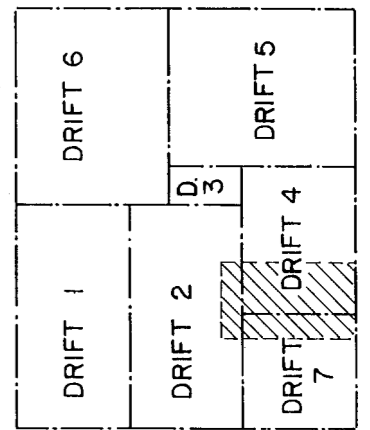
LEGEND:

CONTOURS	MEAN	STANDARD DEVIATION
55	55	1.0
113	113	1.5
165	165	2.0
232	232	2.5
357	357	3.0
524	524	



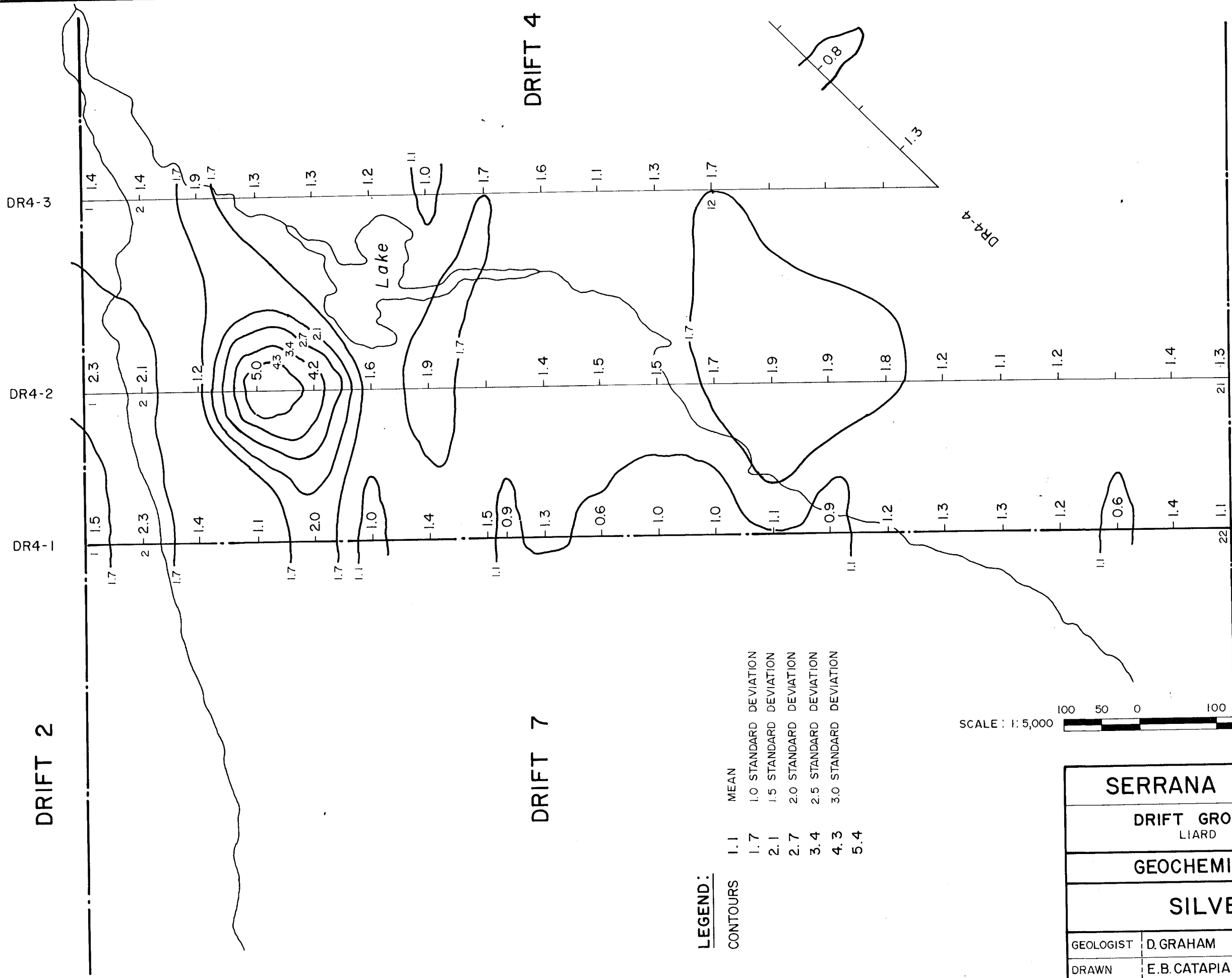
GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,923



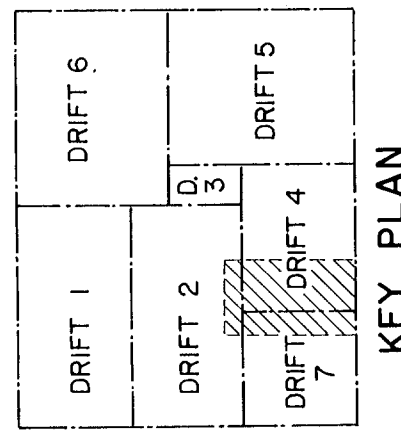
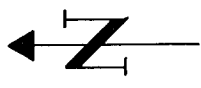
KEY PLAN

SERRANA RESOURCES LTD.			
DRIFT GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.			
GEOCHEMICAL SOIL SURVEY			
COPPER IN SOIL MAP 7			
GEOLOGIST	D. GRAHAM	PENG.	SCALE 1: 5000
DRAWN	E. B. CATAPIA		DATE NOVEMBER 1982
CHECKED	J. M. ASHTON		



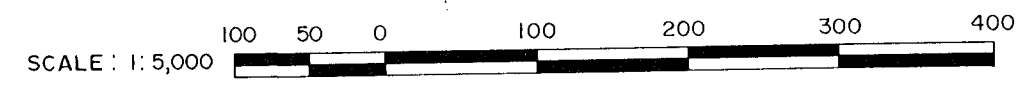
**GEOLOGICAL BRANCH
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LEGEND:

CONTOURS	MEAN
1.1	1.0 STANDARD DEVIATION
1.7	1.5 STANDARD DEVIATION
2.1	2.0 STANDARD DEVIATION
2.7	2.5 STANDARD DEVIATION
3.4	3.0 STANDARD DEVIATION
4.3	
5.4	



SERRANA RESOURCES LTD.			
DRIFT GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.			
GEOCHEMICAL SOIL SURVEY			
SILVER IN SOIL MAP 8			
GEOLOGIST	D. GRAHAM PENG.	SCALE	1: 5000
DRAWN	E. B. CATAPIA	DATE	NOVEMBER 1982
CHECKED	J. M. ASHTON		