

RSGM R. Somerville Geological & Mining Engineering Ltd.

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VOL 1 OF 2

A GEOCHEMICAL REPORT

on the

LAKE CLAIMS

OMINECA MINING DIVISION
BRITISH COLUMBIA

N.T.S. 93 N/2E

for

PLACER DOME INC.

by

R. SOMERVILLE, P.ENG.

**SUB-RECORDER
RECEIVED**

SEP 09 1991

M.R. # \$.....
VANCOUVER, B.C.

August 15, 1991

LAT: 55 04
LONG: 124 31

LOG NO: SEP 11 1000	RD.
ACTION:	
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Statement of Expenditures

Part 1 of 2.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,629

POCKET

MAP #3 - SOIL GEOCHEMISTRY (Cu, Mo, Ni, Ag) North
MAP #4 - SOIL GEOCHEMISTRY (Cu, Mo, Ni, Ag) Middle
MAP #5 - SOIL GEOCHEMISTRY (Cu, Mo, Ni, Ag) South
MAP #6 - SOIL GEOCHEMISTRY (Zn, Pb, Co, Cd) North
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MAP #9 - SOIL GEOCHEMISTRY (Sr, As, Sb, V) North
MAP #10 - SOIL GEOCHEMISTRY (Sr, As, Sb, V) Middle
MAP #11 - SOIL GEOCHEMISTRY (Sr, As, Sb, V) South
MAP #12 - SOIL GEOCHEMISTRY (Ba, La, Cr, Ti) North
MAP #13 - SOIL GEOCHEMISTRY (Ba, La, Cr, Ti) Middle
MAP #14 - SOIL GEOCHEMISTRY (Ba, La, Cr, Ti) South
MAP #15 - SOIL GEOCHEMISTRY (Mn, Mg) North
MAP #16 - SOIL GEOCHEMISTRY (Mn, Mg) Middle
MAP #17 - SOIL GEOCHEMISTRY (Mn, Mg) South
MAP #18 - SOIL GEOCHEMISTRY SAMPLE NUMBERS North
MAP #19 - SOIL GEOCHEMISTRY SAMPLE NUMBERS Middle
MAP #20 - SOIL GEOCHEMISTRY SAMPLE NUMBERS South

APPENDIX

GEOCHEMICAL METHODS - Acme Analytical Laboratories Ltd.

GEOCHEMICAL ANALYSIS CERTIFICATE

STATEMENT OF WORK recorded July 22, 1991

STATISTICAL DATA

c:\rsgmwp51\1kgchem

CONCLUSIONS

1. It is apparent from an examination of the maps that two areas on the property are moderately anomalous:

(a) a large area on the south border of Lake #1 claim (Area A)

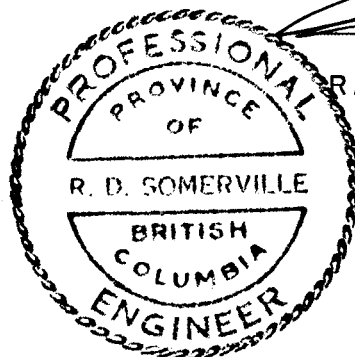
(b) a small area near the junction of BL 550 N and L 550 W in the centre of Lake #1 (Area B)(See Map #2A). These areas are outlined on the north and middle maps.

2. It is apparent that there is a strong correlation between Ba and Sr, and between Cu and Ag. There is also a moderate correlation or overlapping of the anomalous areas of these two element pairs. As is weakly correlative with Sr.

3. The element Co is weakly anomalous in and around the anomalous areas A and B.

4. The element Pb also shows a moderate to strong anomaly in both of the designated areas A and B.

5. Area B (see Map #2A) appears to be located immediately west and adjacent to an airborne aeromagnetic high which probably represents a diorite intrusive and a potential mineralizing source.



[Handwritten signature]

R. Somerville, P.Eng.

LOCATION AND ACCESS

The claims lie about 3 km. south of Witch Lake and about 65 km. by air northwest of Fort St. James, British Columbia, NTS 93 N/2E.

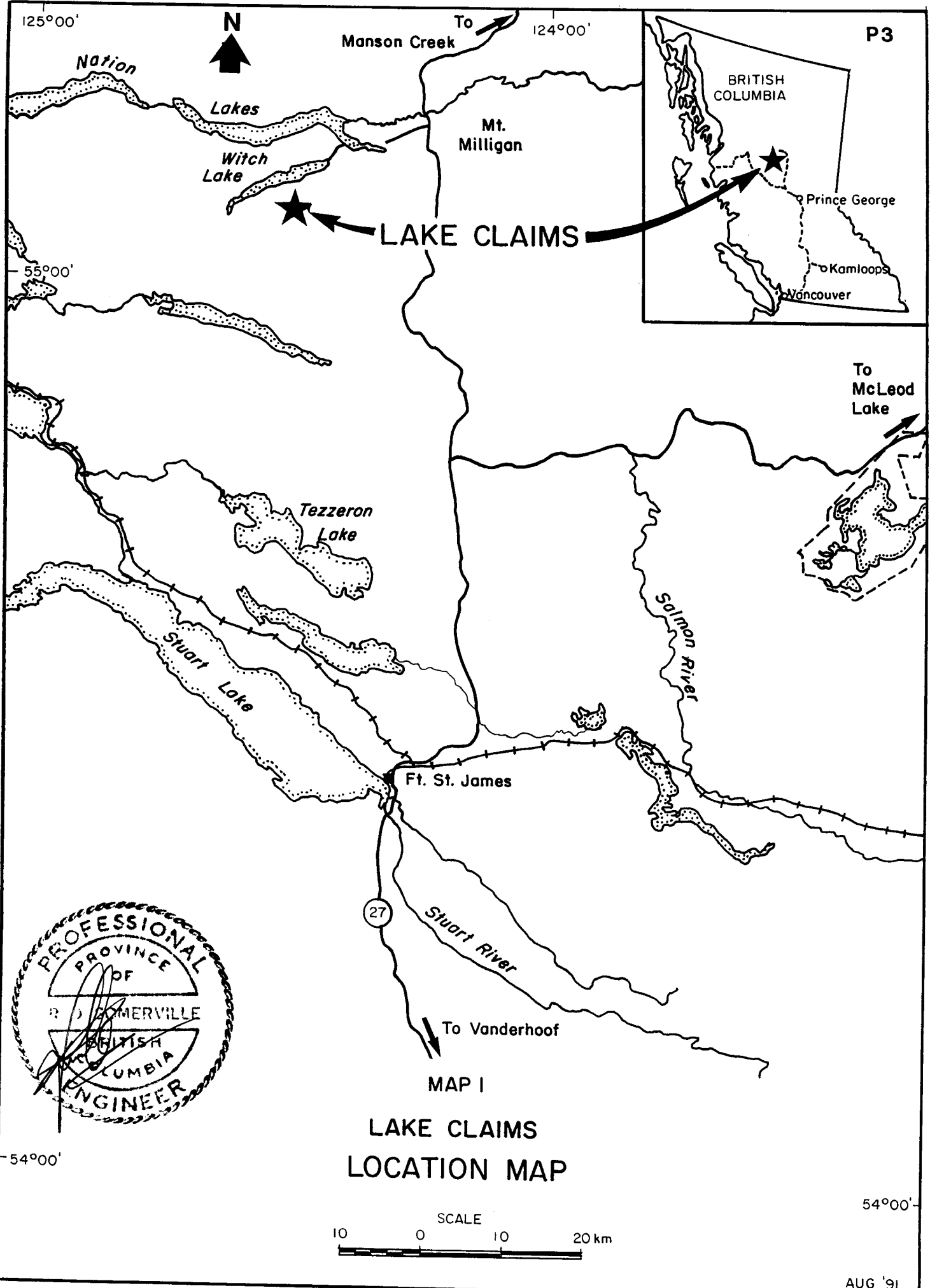
The property can be accessed by helicopter from a logging road system called the Leo-Inzana Forest Service road which lies about 15 km. west of the property. After travelling about 40 km. from Fort St. James on the road which passes through the native village of Pinchi, you reach the Leo Creek F S road. At mile point 48 on the Leo Creek FS road, the Leo-Inzana system branches off on the right hand side (north side) of the Leo Creek FS road. Several locations in this area are suitable for helicopter operations (see Maps #1 and #2).

PROPERTY

The property consists of 50 units located as 5 units wide and 10 units long. Record Numbers are 12231, 12232, 12233. See Map #2

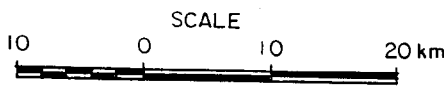
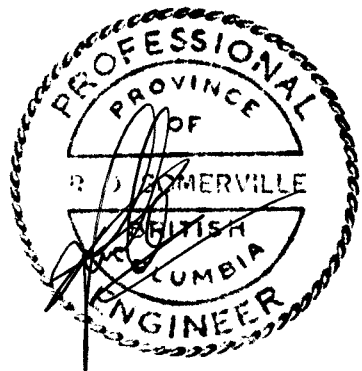
TENURE

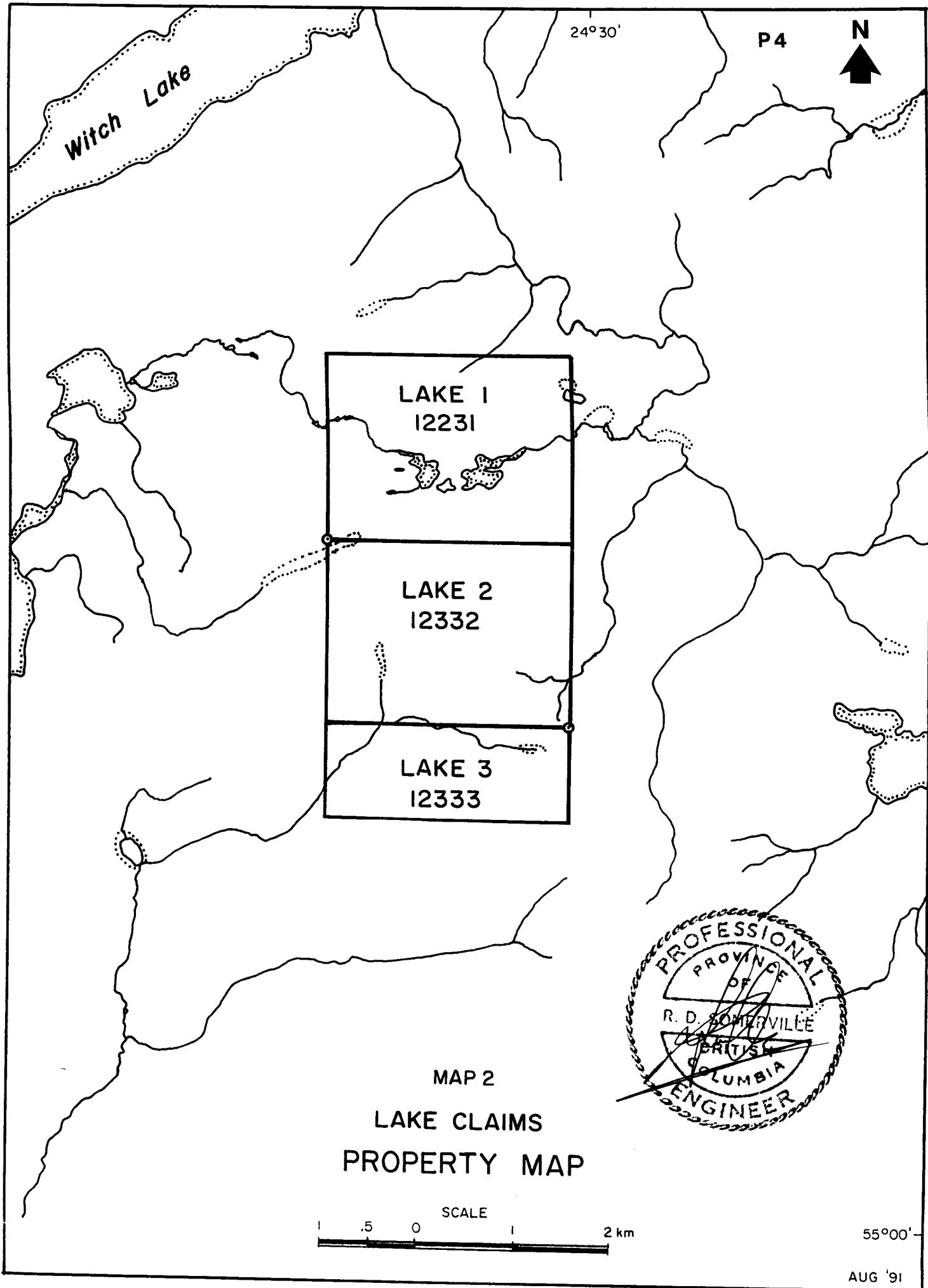
<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
LAKE 1	20	12231	July 23, 1991
LAKE 2	20	12232	July 23, 1991
LAKE 3	10	12233	July 23, 1991



LAKE CLAIMS

MAP I LAKE CLAIMS LOCATION MAP





Witch Lake

24°30'

P4

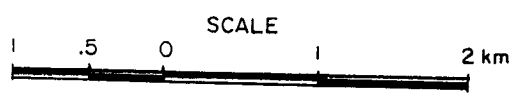
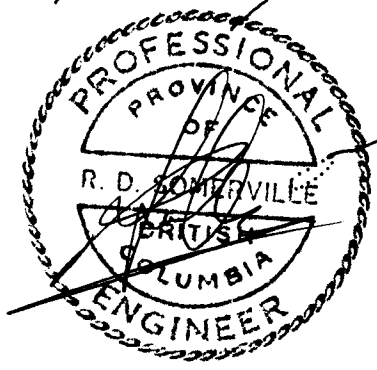


LAKE 1
12231

LAKE 2
12332

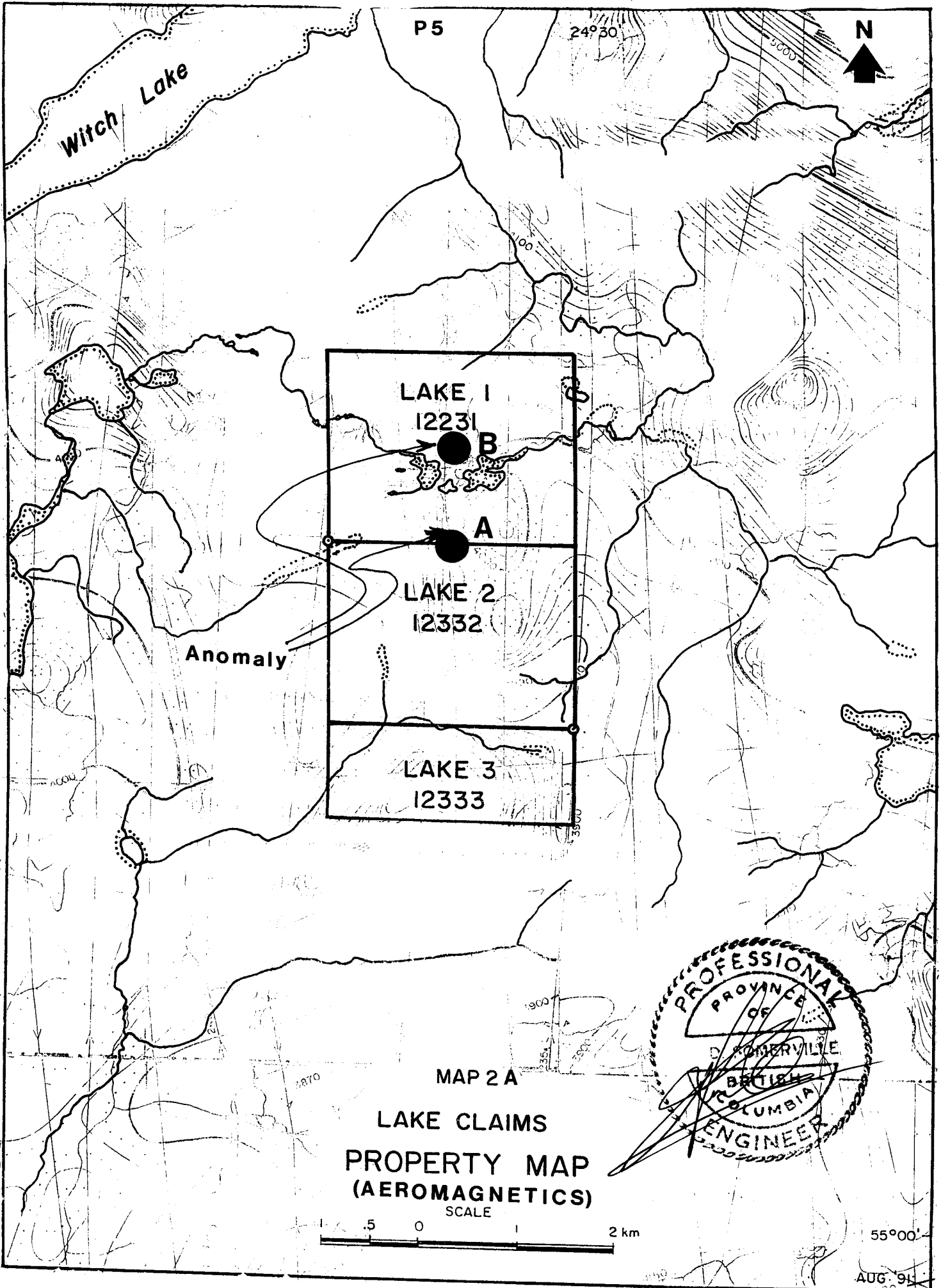
LAKE 3
12333

MAP 2
LAKE CLAIMS
PROPERTY MAP



55°00'

AUG '91



P5

24°30'

N

Witch Lake

LAKE 1

12231

B

A

LAKE 2

12332

Anomaly

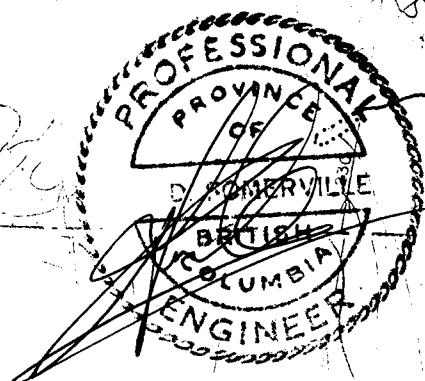
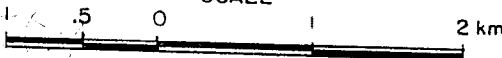
LAKE 3

12333

MAP 2 A

LAKE CLAIMS
PROPERTY MAP
(AEROMAGNETICS)

SCALE



55°00'

AUG. 91

GEOLOGY

The rocks underlying the claim block are believed to consist mainly of shallow-dipping Takla volcanics (Upper Triassic to Lower Jurassic) intruded by Omenica diorite and porphyry.

A strong northwest-trending fault structure which is clearly evident in the aeromagnetics (see Map #2A) cuts the northwest corner of the property. A northwest-trending fault structure also underlies this same area.

The aeromagnetic pattern suggests that three small (dioritic?) intrusive bodies may underlie the property.

On the TAS property to the south and the Camp property to the northeast, copper and gold mineralization are associated with small dioritic/porphyry intrusions adjacent to the main northwesterly fault trend and cut by smaller northeasterly trending cross faults.

GEOCHEMISTRY

GENERAL

The objective of the first-phase geochemical program was to identify any areas of mineralization and/or alteration by means of a reconnaissance soil sampling and geological mapping program. In particular the sampling program was directed towards locating copper/gold anomalous areas adjacent to airborne magnetic anomalies.

GEOCHEMICAL SURVEY

The soil sampling survey was conducted by R. Somerville Geological and Mining Engineering Ltd. The soil sampling grid was established at the same time as the samples were collected and the work was completed by a crew of two men under the on-site supervision of R. Somerville, P.Eng.

The grid was established by using a hip chain and flagging tape. Stations were marked and flagged at 50 m. intervals on both the lines and baselines. The baselines were also marked with metal tags at 100 meter intervals.

All the samples were taken by using an Eijkelkamp soil auger. A total of 242 samples were taken and another 9 control samples were inserted in numerical sequence at 25 sample intervals. Data

was collected for the depth, colour and type of soil (horizon) for each sample. Landmark features (streams, lakes etc.) were also logged, and rock specimens were taken when outcrops were noted on or near the lines.

TECHNICAL PROCEDURE

Approximately 1 pound (0.5 kg.) of sample material was obtained by making several auger holes at each sample station. The sample material was placed in a gusseted kraft paper sample bag, packed in a cardboard box and shipped to Acme Laboratories, Vancouver, British Columbia for analysis. After the samples were screened, the minus 80 mesh fraction was analysed by the ICP method for the following thirty elements: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, Ag, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W. The results are listed on the analytical report in the Appendix and plotted on maps 3 to 17 inclusive. Maps #18, #19, #20 show the location of the sample numbers. The analytical method for the ICP method is detailed in the Appendix.

DISCUSSION OF RESULTS

All of the results are plotted on maps #3 through 17 with the exception of the following elements: Fe, V, Au, Th, Bi, Ca, P, B, Al, Na, K, and W. The results for these elements were judged to have no significance in the current exploration program. As a

result, these elements were not plotted on the plans or considered in this report. From a visual examination of the Geochemical Analysis Certificate and the results for each element, the following elements have no significantly anomalous results:

Mo - ranges from 1 ppm to 3 ppm - barely detectable but plotted for reference

Fe - ranges from 1.6% to 5.2% with 1 anomalously low sample at 0.23% I do not believe that any of the values for this element are significant.

U - ranges from 5 ppm to 7 ppm. Not significant.

Au - the detection limit of 3 ppm for gold is too high to make ICP a useful analytical tool for this element

Th - ranges from 1 ppm - 3 ppm; barely detectable

Bi - ranges from 2 ppm - 6 ppm; not significant

B - ranges from 2 ppm - 8 ppm; probably not significant

Na & K - too low for any significant interpretation and there does not appear to be any correlation

W - ranges from 1 ppm - 3 ppm; barely detectable

Al - was not plotted as the data has no known significance to the current exploration program

Sb - all samples were very low with the exception of sample #81 which gave a value of 436 ppm. Possibly this is an analytical error.

V, Ca, and P were not considered since they have no known



correlation in a gold/copper exploration program.

Mn, Mg and Ti in soils using a partial digestion ICP method has no obvious significance in the current program either.

Cr - the results were low and discarded as being uninformative.

The analytical results for the remaining elements were considered statistically, and were plotted in the form of a series of histograms, and various statistical calculations were made for each element. These results are tabulated in the Appendix. From the histograms and the calculated data it was decided that only the highest 5% of the results are probably anomalous, and only the highest 2.5% of the results are anomalous. These values are summarized in Table 1 and the anomalous values are indicated on the maps by appropriate symbols.

TABLE 1 - ANOMALOUS ELEMENTS

<u>ELEMENT</u>	<u>PROBABLY ANOMALOUS</u>	<u>ANOMALOUS</u>
Ba	>175	>245
Sr	>95	>130
Pb	>14	>35
Zn	No Anomalous Samples	
Ag	>0.70	>1.00
Cu	>80	>113
Ni	No Anomalous Samples	
Co	>16	>16
As	>17	>20
Cd	>1	>1.1

CERTIFICATE

I, Richard D. Somerville, residing at 1052 Esquimalt Avenue, West Vancouver, British Columbia, V7T 1J8 certify that:

1. I am a practising Consulting Geologist with offices at 103 - 255 West 1st Street, North Vancouver, B.C., V7M 3G8.
2. I am President of R. Somerville Geological and Mining Engineering Ltd.
3. I am a Registered Professional Engineer of the Provinces of Ontario and British Columbia.
4. I am a Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining & Metallurgy.
5. I am a graduate of Queen's University at Kingston, Ontario, having received a B.Sc. (honours) degree majoring in Geology, and a B.A. degree majoring in physics and mathematics.
6. This exploration work was conducted under my direction. I have visited the property, and I am satisfied that the work was conducted in a proper and professional manner.

North Vancouver, British Columbia
August 15, 1991



R. Somerville, P.Eng.



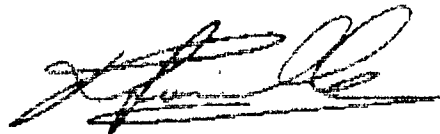
STATEMENT OF COSTS
RE: LAKE CLAIMS

July 15, 1991

=====	
Accommodation	\$442.50
Camp	\$1,300.54
Meals	\$409.39
Vehicle	\$990.12
Helicopter	\$4,338.24
Supplies	\$734.64
Air Photos	\$109.90
Analysis	\$1,506.00
Wages	\$5,734.50
Miscellaneous Expenses	\$77.57
Supervision & Technical Support	\$1,356.08

	\$16,999.48
	=====

I certify that the above expenditures were incurred on the Lake Claims (Record #12231, 12232, 12233) between May 1 and July 15, 1991



R. Somerville, P.Eng.



APPENDIX



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C., Canada V6A 1R6

Telephone: (604) 253-3158 Fax: (604) 253-1716

**Geochemical Methods
Acme Analytical Laboratories Ltd.**

* Soil Preparation: Dry soil or silt sample up to 1 Kg at 60 deg.C and sieve to -80 mesh.

Rock Preparation: Rocks or cores are crushed to - 3/16" and 250 gm is split out. This split is pulverized using a ring mill pulverizer to 99% -100 mesh.

* ICP Analysis: 0.50 gm sample is digested with 3ml 3-1-2 HCL-HNO₃-H₂O at 95 deg.C for one hour and is diluted to 10ml with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K, Al.

Gold Analysis (Fire Geochem): 10 gm is ignited at 600 deg.C for 4 hours and fused with F.A. flux. The core bead is dissolved in Aqua Regia and analysed by ICP.

Detection limit for Au 1 ppb
Pt 3 ppb
Pd 3 ppb
Rh 3 ppb

** Larger sample - on special request.



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
L215	1	31	9	61	.1	20	9	239	4.27	7	5	ND	3	43	.3	2	2	114	.33	.020	7	39	.61	108	.16	3	2.91	.01	.04	1
L216	2	76	4	53	.7	23	11	1021	2.99	13	5	ND	1	82	.4	3	2	102	1.55	.165	13	36	.61	108	.04	2	2.90	.01	.05	2
L217	1	55	4	113	.4	31	19	918	4.77	17	5	ND	3	72	.8	9	2	123	.58	.065	8	39	1.04	175	.18	4	4.01	.02	.05	3
L218	3	39	8	82	.4	18	13	442	5.81	22	5	ND	2	59	1.0	4	2	154	.61	.058	6	33	.87	163	.15	3	3.14	.01	.06	2
L219	1	29	4	62	1.0	22	11	377	3.41	6	5	ND	1	35	.2	4	2	84	.58	.051	10	28	.60	88	.07	3	3.21	.01	.05	1
L220	2	20	12	47	.2	13	8	215	3.16	10	5	ND	1	32	.5	4	2	93	.32	.036	7	30	.32	88	.13	6	1.64	.01	.04	1
L221	1	15	11	61	.2	10	7	568	3.09	3	5	ND	1	35	.3	2	6	96	.61	.088	6	17	.33	68	.20	4	1.57	.01	.06	1
L222	1	70	8	70	.6	13	7	246	3.09	7	5	ND	1	54	.3	4	2	94	.78	.050	8	29	.52	80	.11	4	2.23	.01	.04	1
L223	1	32	3	56	.3	21	11	342	3.38	14	5	ND	1	43	.2	5	2	82	.50	.132	8	33	.58	105	.12	5	2.09	.01	.04	1
L224	2	27	6	77	.2	23	10	264	3.93	12	5	ND	1	28	.2	6	2	80	.27	.076	7	47	.61	99	.11	6	2.86	.01	.04	2
L225	1	44	6	83	.6	16	12	500	4.33	8	5	ND	2	47	.2	6	2	104	.47	.147	7	34	.81	166	.14	2	2.88	.01	.06	2
L226	1	117	356	106	.3	12	8	254	2.66	3	5	ND	3	44	.7	2	3	70	1.46	.054	6	34	.36	68	.09	3	1.45	.05	.09	1
L227	1	26	9	52	.2	17	8	204	3.13	13	5	ND	2	40	.3	7	2	74	.41	.164	8	30	.49	80	.13	3	2.61	.01	.04	2
L228	1	40	6	61	.1	35	13	340	3.95	13	5	ND	1	32	.2	2	2	88	.30	.125	7	42	.70	134	.14	3	3.75	.01	.05	2
L229	1	23	5	62	.3	25	8	393	2.39	7	5	ND	1	33	.2	5	2	55	.42	.039	9	35	.53	125	.08	8	1.89	.01	.04	1
L230	2	36	7	77	.1	23	10	663	3.62	10	5	ND	1	39	.6	4	2	79	.38	.205	7	40	.67	121	.10	8	2.71	.01	.06	1
L231	2	15	8	87	.1	15	6	667	3.16	6	5	ND	1	26	.2	2	2	81	.32	.122	8	33	.39	107	.14	3	1.87	.01	.06	1
L232	1	33	5	71	.1	25	9	294	3.52	15	5	ND	1	27	.2	10	2	88	.29	.099	8	41	.59	110	.11	4	3.28	.02	.04	4
L233	1	34	4	67	.1	24	12	685	3.84	13	5	ND	2	34	.2	4	2	93	.33	.086	8	39	.53	119	.13	7	2.90	.01	.05	2
L234	1	42	2	84	.1	29	18	691	4.71	15	5	ND	1	37	.4	7	2	116	.56	.093	6	34	.85	118	.17	4	3.77	.02	.07	2
L235	1	31	4	90	.1	26	12	344	4.47	8	5	ND	2	39	.2	2	2	108	.46	.069	7	39	.67	108	.15	4	3.01	.01	.05	1
L236	1	29	10	97	.4	23	14	898	4.10	10	5	ND	2	45	.6	6	3	98	.77	.069	15	33	.72	97	.13	8	3.19	.01	.07	1
L237	1	29	11	101	.3	28	12	844	3.26	14	5	ND	1	30	.7	4	2	73	.56	.054	13	45	.50	118	.10	7	2.28	.01	.05	1
L238	1	19	2	58	.1	15	6	182	2.76	8	5	ND	1	31	.2	2	2	68	.30	.047	9	37	.33	128	.08	2	1.80	.01	.04	1
L239	2	40	3	64	.2	48	18	424	3.79	20	5	ND	2	30	.2	8	2	83	.52	.042	8	56	.77	130	.10	3	2.83	.02	.06	1
L240	1	30	2	68	.1	29	9	303	2.82	13	5	ND	1	35	.2	4	2	65	.67	.034	8	46	.55	103	.09	6	2.03	.02	.04	1
L241	1	25	5	66	.2	33	9	231	3.22	15	5	ND	2	28	.2	2	2	68	.29	.048	9	46	.50	106	.11	5	1.75	.01	.05	2
L242	1	64	11	62	.6	27	7	568	2.38	12	5	ND	1	45	.2	2	2	55	1.18	.074	15	42	.41	115	.05	3	2.23	.01	.05	1
L243	2	17	13	48	.1	21	7	168	3.25	11	5	ND	1	21	.7	2	2	66	.24	.022	7	46	.33	84	.10	3	1.97	.01	.03	1
L244	2	102	9	57	1.7	32	11	1072	2.49	12	9	ND	1	77	.3	2	3	85	1.59	.143	14	48	.55	85	.05	7	1.89	.02	.06	1
L245	1	19	5	83	.1	23	8	289	3.29	9	5	ND	2	22	.2	2	2	65	.25	.080	10	42	.49	90	.10	6	1.81	.01	.06	1
L246	2	30	5	73	1.3	25	11	284	2.62	17	7	ND	1	31	.2	5	2	66	.36	.040	14	42	.43	99	.07	7	2.23	.01	.05	1
L247	1	22	13	73	.2	24	9	246	3.27	7	5	ND	1	40	.2	3	3	78	.42	.080	7	40	.48	116	.09	7	2.22	.01	.06	1
L248	2	35	7	61	.1	32	11	225	3.46	12	5	ND	1	24	.3	10	5	70	.30	.064	8	51	.50	85	.11	4	3.11	.01	.05	1
L249	1	52	11	56	.4	33	15	241	3.56	16	5	ND	2	44	.7	8	2	85	.45	.084	10	53	.67	123	.12	6	3.14	.02	.05	4
STANDARD C	18	58	38	133	7.4	70	32	1070	3.97	37	16	7	40	52	18.2	15	19	57	.48	.094	39	59	.89	176	.09	33	1.87	.06	.15	11



STATISTICAL DATA

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

R. Somerville Engine
13:38:39 Serial no: 22380
8/ 8/91 Page : 1

CLAIMSTAKER/PLACER DOME
LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - CD

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : .200
MAXIMUM CUTOFF VALUE : 2.600
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : .200
MAXIMUM HISTOGRAM VALUE : 2.600
CLASS INTERVAL : .096

MINIMUM POPULATION DATA POINT : .200
MAXIMUM POPULATION DATA POINT : 2.600
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	.3599	.4015
MEDIAN		.2907
GEOMETRIC MEAN	.3020	.3519
NATURAL LOG MEAN	-1.1975	-1.0445
STANDARD DEVIATION	.2771	.2660
VARIANCE	.0768	.0708
COEFFICIENT OF VARIATION	.7699	.6625
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0768	.0708
MOMENT 3 ABOUT ARITHMETIC MEAN	.0723	.0640
MOMENT 4 ABOUT ARITHMETIC MEAN	.1261	.1071
MOMENT COEFFICIENT OF SKEWNESS	3.3979	3.3979
MOMENT COEFFICIENT OF KURTOSIS	21.3966	21.3966

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - CD

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL >= FROM < TO	<-INCREMENTAL->			< UPPER BND INCREASING >			>= LOWER BND DECREASING <		
	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM FREQ PERCENT	CUM COUNT	CUM MEAN (GM)	CUM FREQ PERCENT	
.200 .222	128	.200	128	.200	52.89	242	.302	100.00	
.222 .246	0	.000	128	.200	52.89	114	.480	47.11	
.246 .272	0	.000	128	.200	52.89	114	.480	47.11	
.272 .301	37	.300	165	.219	68.18	114	.480	47.11	
.301 .334	0	.000	165	.219	68.18	77	.601	31.82	
.334 .370	0	.000	165	.219	68.18	77	.601	31.82	
.370 .410	20	.400	185	.234	76.45	77	.601	31.82	
.410 .454	0	.000	185	.234	76.45	57	.693	23.55	
.454 .504	18	.500	203	.250	83.88	57	.693	23.55	
.504 .558	0	.000	203	.250	83.88	39	.806	16.12	
.558 .618	13	.600	216	.264	89.26	39	.806	16.12	
.618 .685	0	.000	216	.264	89.26	26	.934	10.74	
.685 .759	8	.700	224	.273	92.56	26	.934	10.74	
.759 .841	4	.800	228	.278	94.21	18	1.061	7.44	
.841 .932	3	.900	231	.282	95.45	14	1.150	5.79	
.932 1.033	4	1.000	235	.289	97.11	11	1.230	4.55	
1.033 1.144	1	1.100	236	.290	97.52	7	1.384	2.89	
1.144 1.268	2	1.200	238	.294	98.35	6	1.438	2.48	
1.268 1.405	3	1.333	241	.299	99.59	4	1.575	1.65	
1.405 1.557	0	.000	241	.299	99.59	1	2.599	.41	
1.557 1.725	0	.000	241	.299	99.59	1	2.599	.41	
1.725 1.911	0	.000	241	.299	99.59	1	2.599	.41	
1.911 2.118	0	.000	241	.299	99.59	1	2.599	.41	
2.118 2.346	0	.000	241	.299	99.59	1	2.599	.41	
2.346 2.600	1	2.600	242	.302	100.00	1	2.599	.41	

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
 Exploration Data Manager
 By GEMCOM SERVICES INC.

R. Somerville Engine
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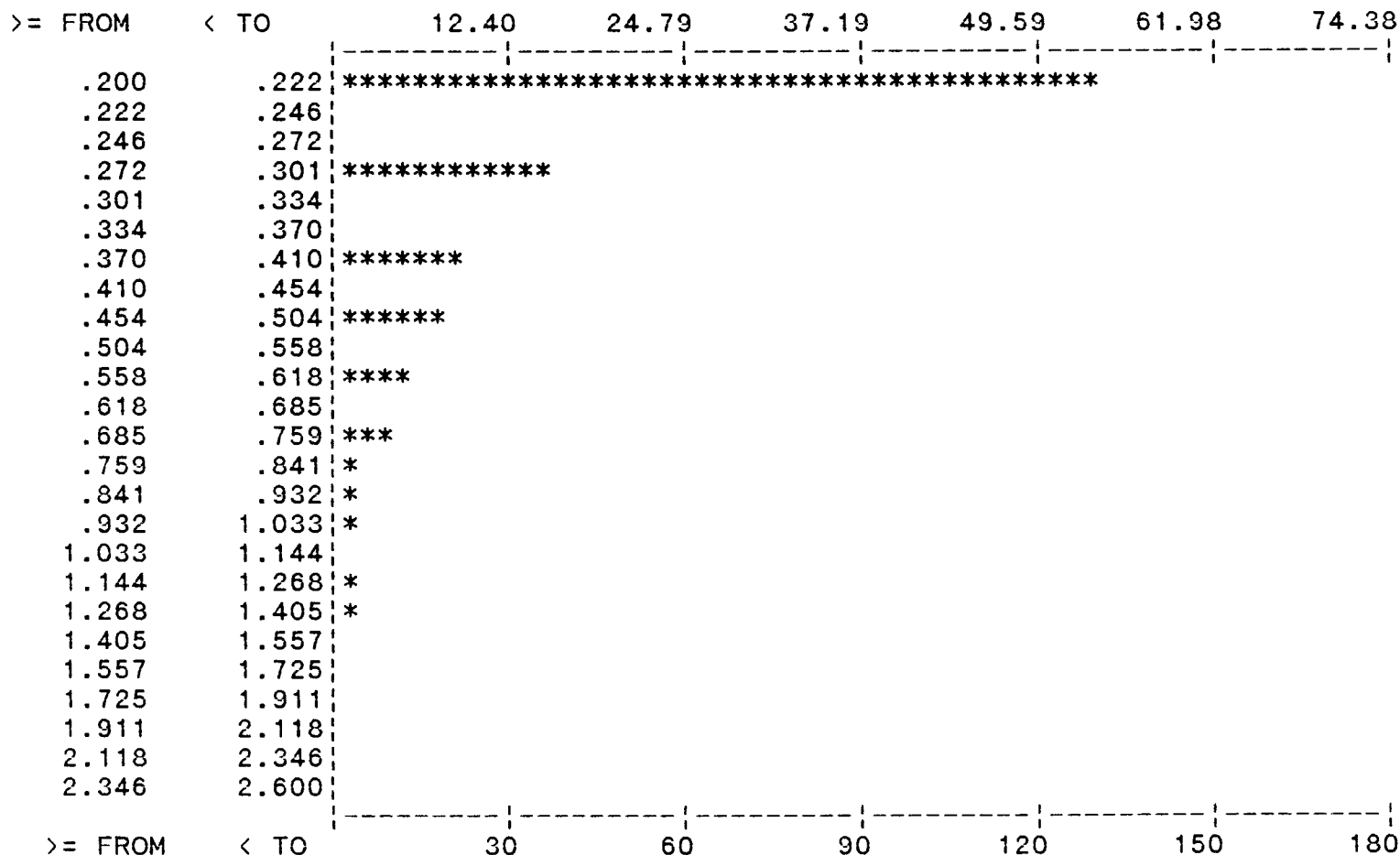
*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - CD

LOG HISTOGRAM

FREQUENCY 1.2397 PERCENT PER STAR



3.0000 COUNTS PER STAR

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM -AS

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 5.000
 MAXIMUM CUTOFF VALUE : 40.000
 TOTAL NUMBER OF SAMPLES USED : 237

MINIMUM HISTOGRAM VALUE : 5.000
 MAXIMUM HISTOGRAM VALUE : 40.000
 CLASS INTERVAL : 1.400

MINIMUM POPULATION DATA POINT : 2.000
 MAXIMUM POPULATION DATA POINT : 40.000
 TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

	UNGROUPED DATA	GROUPED DATA
TOTAL NO OF SAMPLES	237	
ARITHMETIC MEAN	11.2321	11.3295
MEDIAN		11.1444
GEOMETRIC MEAN	10.6794	10.7773
NATURAL LOG MEAN	2.3683	2.3774
STANDARD DEVIATION	3.8375	3.8506
VARIANCE	14.7267	14.8273
COEFFICIENT OF VARIATION	.3417	.3399
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	14.7267	14.8273
MOMENT 3 ABOUT ARITHMETIC MEAN	124.7767	118.5075
MOMENT 4 ABOUT ARITHMETIC MEAN	3368.6770	3076.5940
MOMENT COEFFICIENT OF SKEWNESS	2.2079	2.0756
MOMENT COEFFICIENT OF KURTOSIS	15.5327	13.9941

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM -AS

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<--INCREMENTAL-->			< UPPER BND INCREASING >			>= LOWER BND DECREASING >		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM FREQ PERCENT	CUM COUNT	CUM MEAN (GM)	CUM FREQ PERCENT	
5.000	5.434	7	5.000	7	5.000	2.95	237	10.679	100.00	
5.434	5.905	0	.000	7	5.000	2.95	230	10.929	97.05	
5.905	6.417	6	6.000	13	5.439	5.49	230	10.929	97.05	
6.417	6.974	0	.000	13	5.439	5.49	224	11.106	94.51	
6.974	7.579	16	7.000	29	6.251	12.24	224	11.106	94.51	
7.579	8.236	22	8.000	51	6.953	21.52	208	11.507	87.76	
8.236	8.950	0	.000	51	6.953	21.52	186	12.013	78.48	
8.950	9.727	34	9.000	85	7.709	35.86	186	12.013	78.48	
9.727	10.570	23	10.000	108	8.148	45.57	152	12.814	64.14	
10.570	11.487	27	11.000	135	8.652	56.96	129	13.394	54.43	
11.487	12.483	29	12.000	164	9.168	69.20	102	14.110	43.04	
12.483	13.566	25	13.000	189	9.601	79.75	73	15.048	30.80	
13.566	14.743	17	14.000	206	9.905	86.92	48	16.240	20.25	
14.743	16.021	15	15.326	221	10.202	93.25	31	17.616	13.08	
16.021	17.411	5	17.000	226	10.318	95.36	16	20.073	6.75	
17.411	18.921	1	18.000	227	10.344	95.78	11	21.648	4.64	
18.921	20.562	3	19.328	230	10.428	97.05	10	22.051	4.22	
20.562	22.346	6	21.328	236	10.620	99.58	7	23.333	2.95	
22.346	24.284	0	.000	236	10.620	99.58	1	39.999	.42	
24.284	26.390	0	.000	236	10.620	99.58	1	39.999	.42	
26.390	28.679	0	.000	236	10.620	99.58	1	39.999	.42	
28.679	31.167	0	.000	236	10.620	99.58	1	39.999	.42	
31.167	33.870	0	.000	236	10.620	99.58	1	39.999	.42	
33.870	36.808	0	.000	236	10.620	99.58	1	39.999	.42	
36.808	40.000	1	40.000	237	10.679	100.00	1	39.999	.42	

NB : (GM) - GEOMETRIC MEAN

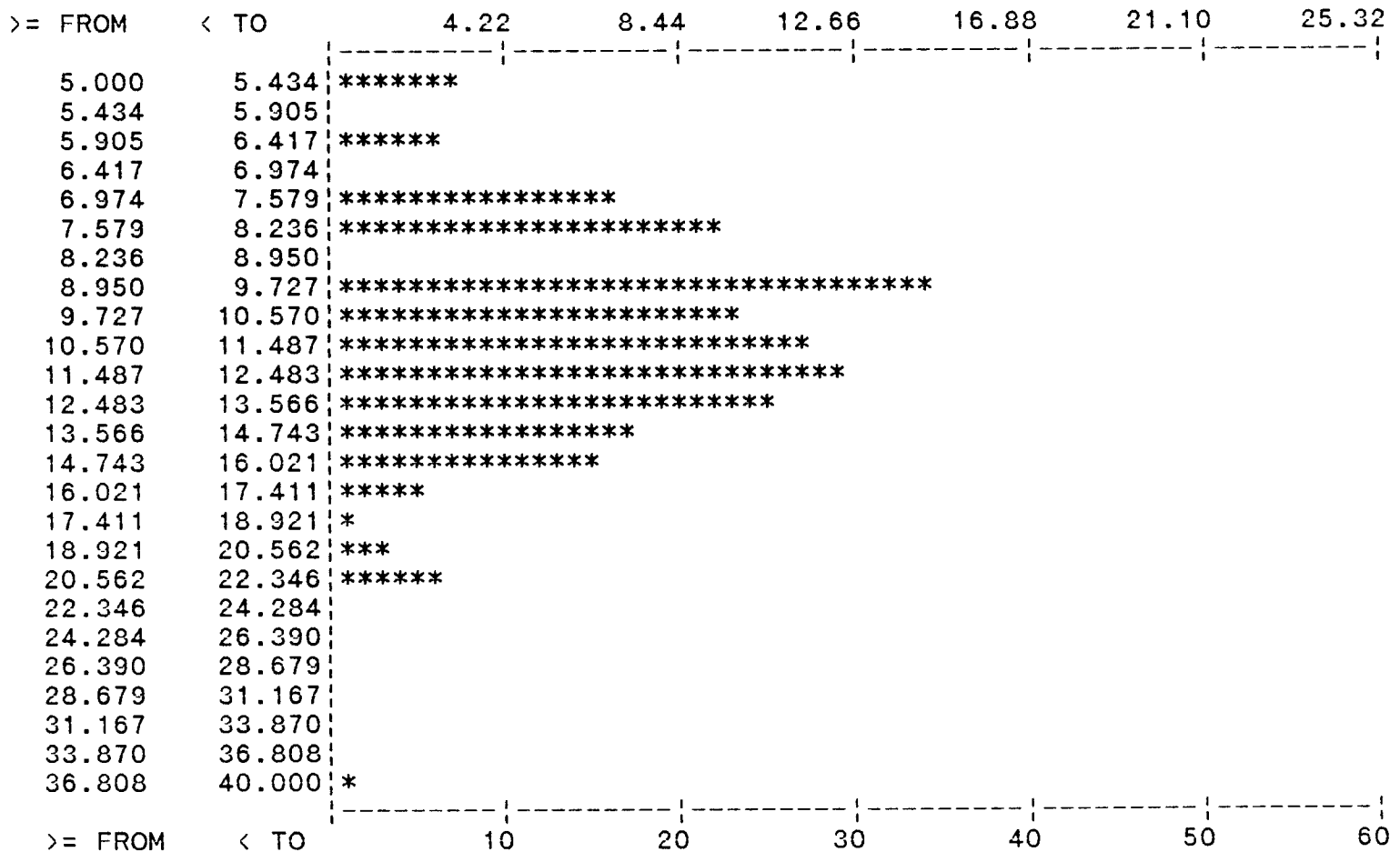
CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM -AS

LOG HISTOGRAM

FREQUENCY .4219 PERCENT PER STAR



1.0000 COUNTS PER STAR

CLAIMSTAKER/PLACER DOME
LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - CO

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 1.000
MAXIMUM CUTOFF VALUE : 26.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 2.000
MAXIMUM HISTOGRAM VALUE : 26.000
CLASS INTERVAL : .960

MINIMUM POPULATION DATA POINT : 1.000
MAXIMUM POPULATION DATA POINT : 26.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	10.2025	10.3563
MEDIAN		10.0951
GEOMETRIC MEAN	9.6023	9.8316
NATURAL LOG MEAN	2.2620	2.2856
STANDARD DEVIATION	3.4276	3.2855
VARIANCE	11.7483	10.7945
COEFFICIENT OF VARIATION	.3360	.3172
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	11.7483	10.7945
MOMENT 3 ABOUT ARITHMETIC MEAN	30.1736	27.0563
MOMENT 4 ABOUT ARITHMETIC MEAN	648.6743	545.8962
MOMENT COEFFICIENT OF SKEWNESS	.7493	.7629
MOMENT COEFFICIENT OF KURTOSIS	4.6998	4.6850

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - CO

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<-INCREMENTAL->		< UPPER BND INCREASING			=> LOWER BND DECREASING		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT
1.000	2.216	0	.000	0	.000	.00	242	9.602	100.00
2.216	2.456	0	.000	0	.000	.00	242	9.602	100.00
2.456	2.721	0	.000	0	.000	.00	242	9.602	100.00
2.721	3.015	1	3.000	1	3.000	.41	242	9.602	100.00
3.015	3.341	0	.000	1	3.000	.41	241	9.649	99.59
3.341	3.701	0	.000	1	3.000	.41	241	9.649	99.59
3.701	4.101	4	4.000	5	3.776	2.07	241	9.649	99.59
4.101	4.545	0	.000	5	3.776	2.07	237	9.793	97.93
4.545	5.036	9	5.000	14	4.523	5.79	237	9.793	97.93
5.036	5.580	0	.000	14	4.523	5.79	228	10.057	94.21
5.580	6.183	19	6.000	33	5.322	13.64	228	10.057	94.21
6.183	6.851	0	.000	33	5.322	13.64	209	10.540	86.36
6.851	7.591	13	7.000	46	5.751	19.01	209	10.540	86.36
7.591	8.411	25	8.000	71	6.460	29.34	196	10.830	80.99
8.411	9.320	33	9.000	104	7.176	42.98	171	11.320	70.66
9.320	10.327	37	10.000	141	7.829	58.26	138	11.959	57.02
10.327	11.442	30	11.000	171	8.311	70.66	101	12.768	41.74
11.442	12.679	17	12.000	188	8.591	77.69	71	13.599	29.34
12.679	14.048	30	13.325	218	9.126	90.08	54	14.145	22.31
14.048	15.566	6	15.000	224	9.248	92.56	24	15.241	9.92
15.566	17.248	9	16.660	233	9.461	96.28	18	15.322	7.44
17.248	19.112	5	18.394	238	9.594	98.35	9	14.091	3.72
19.112	21.177	2	20.000	240	9.653	99.17	4	10.099	1.65
21.177	23.465	0	.000	240	9.653	99.17	2	5.099	.83
23.465	26.000	1	26.000	241	9.693	99.59	2	5.099	.83

NB : (GM) - GEOMETRIC MEAN

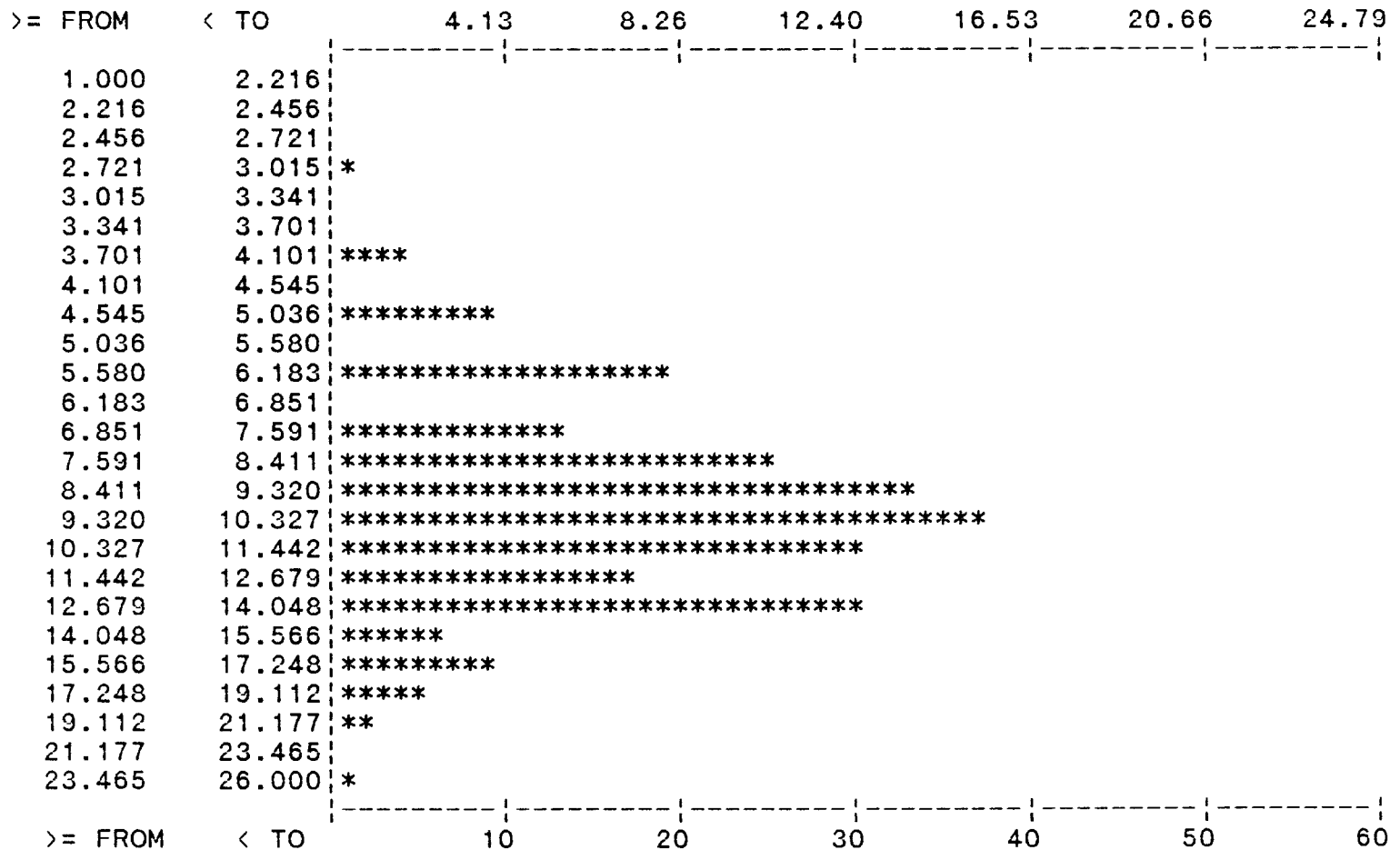
CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - CO

LOG HISTOGRAM

FREQUENCY .4132 PERCENT PER STAR



1.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

R. Somerville Engine
12:48: 0 Serial no: 22380
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CLAIMSTAKER/PLACER DOME
LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - NI

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 5.000
MAXIMUM CUTOFF VALUE : 53.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 10.000
MAXIMUM HISTOGRAM VALUE : 53.000
CLASS INTERVAL : 1.720

MINIMUM POPULATION DATA POINT : 5.000
MAXIMUM POPULATION DATA POINT : 53.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

	UNGROUPED DATA	GROUPED DATA
TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	24.8926	24.8436
MEDIAN		24.1221
GEOMETRIC MEAN	23.2213	23.1203
NATURAL LOG MEAN	3.1451	3.1407
STANDARD DEVIATION	9.1392	9.2172
VARIANCE	83.5256	84.9573
COEFFICIENT OF VARIATION	.3671	.3710
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	83.5256	84.9573
MOMENT 3 ABOUT ARITHMETIC MEAN	511.3045	496.3186
MOMENT 4 ABOUT ARITHMETIC MEAN	23300.7800	23858.0900
MOMENT COEFFICIENT OF SKEWNESS	.6698	.6338
MOMENT COEFFICIENT OF KURTOSIS	3.3399	3.3055

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - NI

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<--INCREMENTAL-->			< UPPER BND INCREASING >			>= LOWER BND DECREASING >		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM FREQ
5.000	10.690	2	10.000	2	10.000	.83	242	23.221	100.00	
10.690	11.427	5	11.000	7	10.704	2.89	240	23.385	99.17	
11.427	12.216	6	12.000	13	11.284	5.37	235	23.763	97.11	
12.216	13.058	5	13.000	18	11.737	7.44	229	24.192	94.63	
13.058	13.959	0	.000	18	11.737	7.44	224	24.530	92.56	
13.959	14.922	4	14.000	22	12.119	9.09	224	24.530	92.56	
14.922	15.951	5	15.000	27	12.607	11.16	220	24.782	90.91	
15.951	17.052	23	16.471	50	14.257	20.66	215	25.073	88.84	
17.052	18.228	13	18.000	63	14.959	26.03	192	26.367	79.34	
18.228	19.485	12	19.000	75	15.543	30.99	179	27.108	73.97	
19.485	20.830	10	20.000	85	16.011	35.12	167	27.809	69.01	
20.830	22.267	21	21.470	106	16.969	43.80	157	28.399	64.88	
22.267	23.803	8	23.000	114	17.335	47.11	136	29.653	56.20	
23.803	25.445	19	24.521	133	18.216	54.96	128	30.127	52.89	
25.445	27.200	20	26.495	153	19.130	63.22	109	31.228	45.04	
27.200	29.076	19	28.417	172	19.985	71.07	89	32.403	36.78	
29.076	31.082	12	30.413	184	20.540	76.03	70	33.579	28.93	
31.082	33.226	20	32.546	204	21.488	84.30	58	34.274	23.97	
33.226	35.518	9	34.775	213	21.929	88.02	38	35.219	15.70	
35.518	37.968	4	36.747	217	22.139	89.67	29	35.358	11.98	
37.968	40.587	8	39.114	225	22.592	92.98	25	35.141	10.33	
40.587	43.387	2	41.497	227	22.713	93.80	17	33.414	7.02	
43.387	46.380	4	44.742	231	22.981	95.45	15	32.462	6.20	
46.380	49.580	5	48.198	236	23.345	97.52	11	28.888	4.55	
49.580	53.000	3	51.981	239	23.580	98.76	6	18.856	2.48	

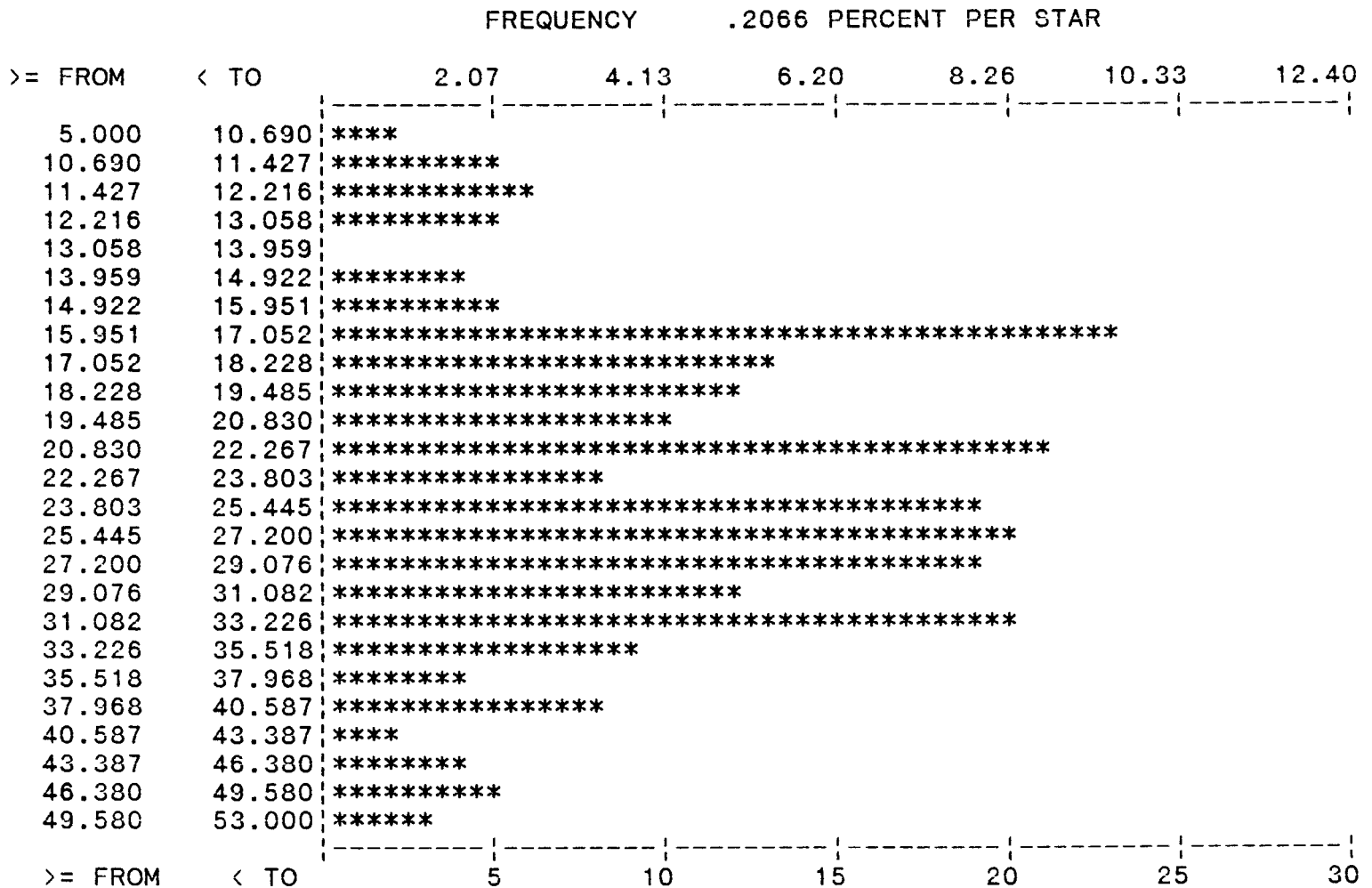
NB : (GM) - GEOMETRIC MEAN

*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - NI

LOG HISTOGRAM



.5000 COUNTS PER STAR

*** CLAIMSTAKER/PLACER DOME ***
*** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - CU

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 13.000
MAXIMUM CUTOFF VALUE : 247.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 13.000
MAXIMUM HISTOGRAM VALUE : 247.000
CLASS INTERVAL : 9.360

MINIMUM POPULATION DATA POINT : 13.000
MAXIMUM POPULATION DATA POINT : 247.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

	UNGROUPED DATA	GROUPED DATA
TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	39.9422	40.1131
MEDIAN		32.8120
GEOMETRIC MEAN	34.3029	34.4876
NATURAL LOG MEAN	3.5352	3.5406
STANDARD DEVIATION	28.7775	28.8552
VARIANCE	828.1453	832.6232
COEFFICIENT OF VARIATION	.7205	.7193
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	828.1453	832.6232
MOMENT 3 ABOUT ARITHMETIC MEAN	86547.0200	84909.2400
MOMENT 4 ABOUT ARITHMETIC MEAN	14383930.0000	13778850.0000
MOMENT COEFFICIENT OF SKEWNESS	3.6316	3.5341
MOMENT COEFFICIENT OF KURTOSIS	20.9732	19.8754

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - CU

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<-INCREMENTAL->			< UPPER BND > INCREASING			>= LOWER BND > DECREASING		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	
13.000	14.625	8	13.491	8	13.491	3.31	242	34.303	100.00	
14.625	16.453	8	15.244	16	14.341	6.61	234	35.415	96.69	
16.453	18.509	7	17.564	23	15.254	9.50	226	36.488	93.39	
18.509	20.823	11	19.722	34	16.576	14.05	219	37.350	90.50	
20.823	23.426	16	22.173	50	18.193	20.66	208	38.633	85.95	
23.426	26.354	23	25.030	73	20.117	30.17	192	40.463	79.34	
26.354	29.648	19	28.516	92	21.620	38.02	169	43.196	69.83	
29.648	33.354	36	31.229	128	23.976	52.89	150	45.529	61.98	
33.354	37.523	27	35.652	155	25.691	64.05	114	51.286	47.11	
37.523	42.213	22	40.028	177	27.147	73.14	87	57.412	35.95	
42.213	47.489	18	44.757	195	28.429	80.58	65	64.866	26.86	
47.489	53.425	8	50.721	203	29.085	83.88	47	74.772	19.42	
53.425	60.103	8	57.704	211	29.851	87.19	39	80.968	16.12	
60.103	67.615	11	62.986	222	30.976	91.74	31	88.364	12.81	
67.615	76.067	5	71.923	227	31.556	93.80	20	106.450	8.26	
76.067	85.575	2	80.486	229	31.815	94.63	15	121.312	6.20	
85.575	96.271	2	88.994	231	32.100	95.45	13	129.216	5.37	
96.271	108.304	2	104.470	233	32.426	96.28	11	138.281	4.55	
108.304	121.842	3	112.919	236	32.945	97.52	9	147.171	3.72	
121.842	137.071	2	126.984	238	33.321	98.35	6	168.016	2.48	
137.071	154.204	0	.000	238	33.321	98.35	4	193.265	1.65	
154.204	173.479	2	162.850	240	33.764	99.17	4	193.265	1.65	
173.479	195.163	0	.000	240	33.764	99.17	2	229.361	.83	
195.163	219.557	1	213.000	241	34.023	99.59	2	229.361	.83	
219.557	247.000	1	247.000	242	34.303	100.00	1	246.984	.41	

NB : (GM) - GEOMETRIC MEAN

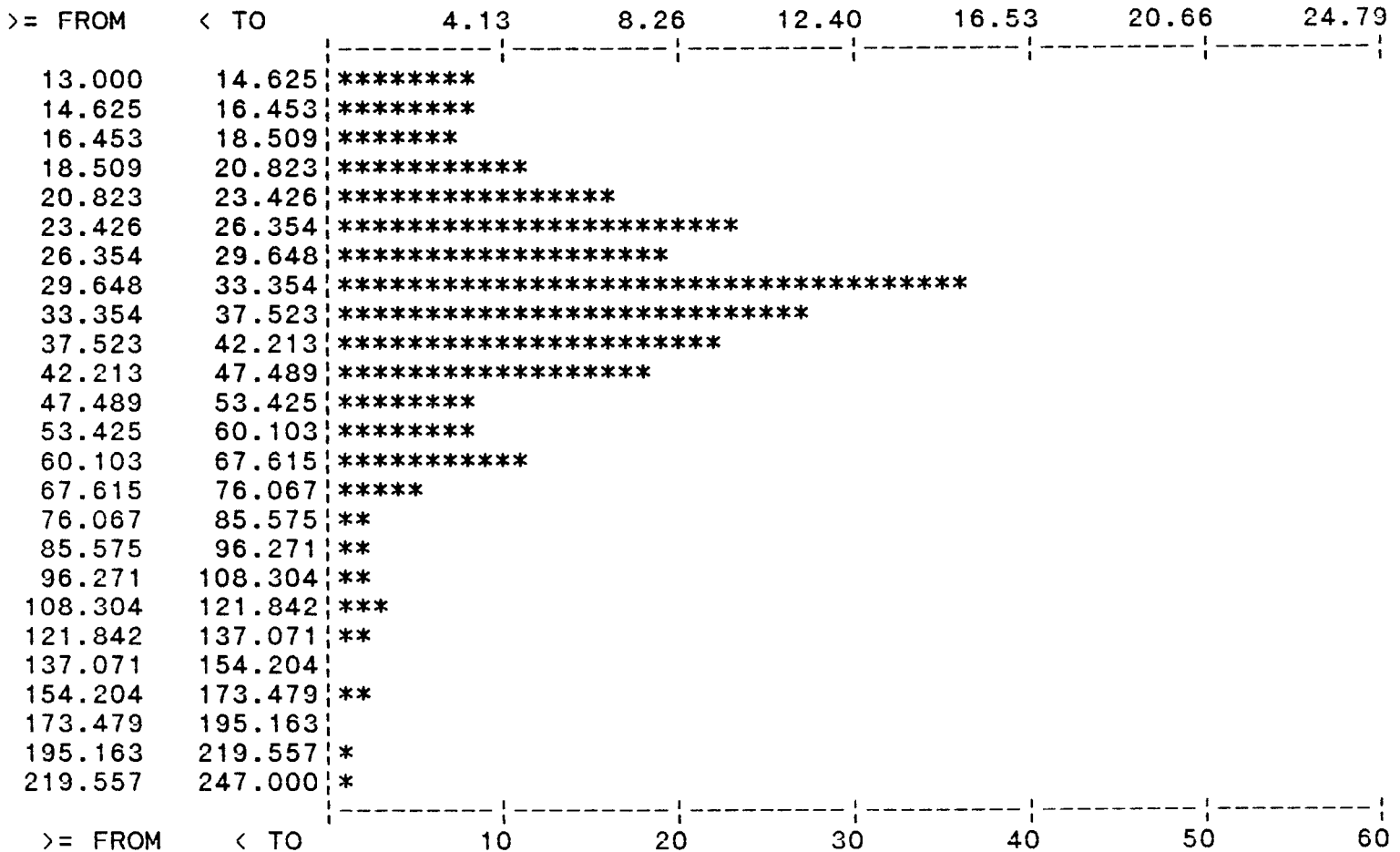
CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - CU

LOG HISTOGRAM

FREQUENCY .4132 PERCENT PER STAR



1.0000 COUNTS PER STAR

*** CLAIMSTAKER/PLACER DOME ***
*** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : LAKE CLAIMS AG

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : .100
MAXIMUM CUTOFF VALUE : 2.900
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : .100
MAXIMUM HISTOGRAM VALUE : 2.900
CLASS INTERVAL : .100

MINIMUM POPULATION DATA POINT : .100
MAXIMUM POPULATION DATA POINT : 2.900
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	.3140	.3554
MEDIAN		.2920
GEOMETRIC MEAN	.2466	.3011
NATURAL LOG MEAN	-1.3998	-1.2004
STANDARD DEVIATION	.2904	.2774
VARIANCE	.0843	.0770
COEFFICIENT OF VARIATION	.9248	.7806
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0843	.0770
MOMENT 3 ABOUT ARITHMETIC MEAN	.1062	.0963
MOMENT 4 ABOUT ARITHMETIC MEAN	.2247	.1977
MOMENT COEFFICIENT OF SKEWNESS	4.3340	4.5099
MOMENT COEFFICIENT OF KURTOSIS	31.5848	33.3796

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : LAKE CLAIMS AG

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<--INCREMENTAL-->			< UPPER BND INCREASING >			>= LOWER BND DECREASING >		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	
.100	.113	52	.100	52	.100	21.49	242	.247	100.00	
.113	.127	0	.000	52	.100	21.49	190	.316	78.51	
.127	.143	0	.000	52	.100	21.49	190	.316	78.51	
.143	.162	0	.000	52	.100	21.49	190	.316	78.51	
.162	.182	0	.000	52	.100	21.49	190	.316	78.51	
.182	.206	75	.200	127	.151	52.48	190	.316	78.51	
.206	.232	0	.000	127	.151	52.48	115	.425	47.52	
.232	.262	0	.000	127	.151	52.48	115	.425	47.52	
.262	.295	0	.000	127	.151	52.48	115	.425	47.52	
.295	.333	53	.300	180	.184	74.38	115	.425	47.52	
.333	.375	0	.000	180	.184	74.38	62	.573	25.62	
.375	.423	24	.400	204	.202	84.30	62	.573	25.62	
.423	.477	0	.000	204	.202	84.30	38	.719	15.70	
.477	.539	11	.500	215	.212	88.84	38	.719	15.70	
.539	.607	11	.600	226	.223	93.39	27	.834	11.16	
.607	.685	0	.000	226	.223	93.39	16	1.047	6.61	
.685	.772	4	.700	230	.227	95.04	16	1.047	6.61	
.772	.871	2	.800	232	.230	95.87	12	1.197	4.96	
.871	.983	0	.000	232	.230	95.87	10	1.298	4.13	
.983	1.108	5	1.019	237	.237	97.93	10	1.298	4.13	
1.108	1.250	1	1.200	238	.239	98.35	5	1.652	2.07	
1.250	1.409	1	1.300	239	.240	98.76	4	1.789	1.65	
1.409	1.589	0	.000	239	.240	98.76	3	1.990	1.24	
1.589	1.793	2	1.649	241	.244	99.59	3	1.990	1.24	
1.793	2.022	0	.000	241	.244	99.59	1	2.899	.41	
2.022	2.280	0	.000	241	.244	99.59	1	2.899	.41	
2.280	2.571	0	.000	241	.244	99.59	1	2.899	.41	
2.571	2.900	1	2.900	242	.247	100.00	1	2.899	.41	

NB : (GM) - GEOMETRIC MEAN

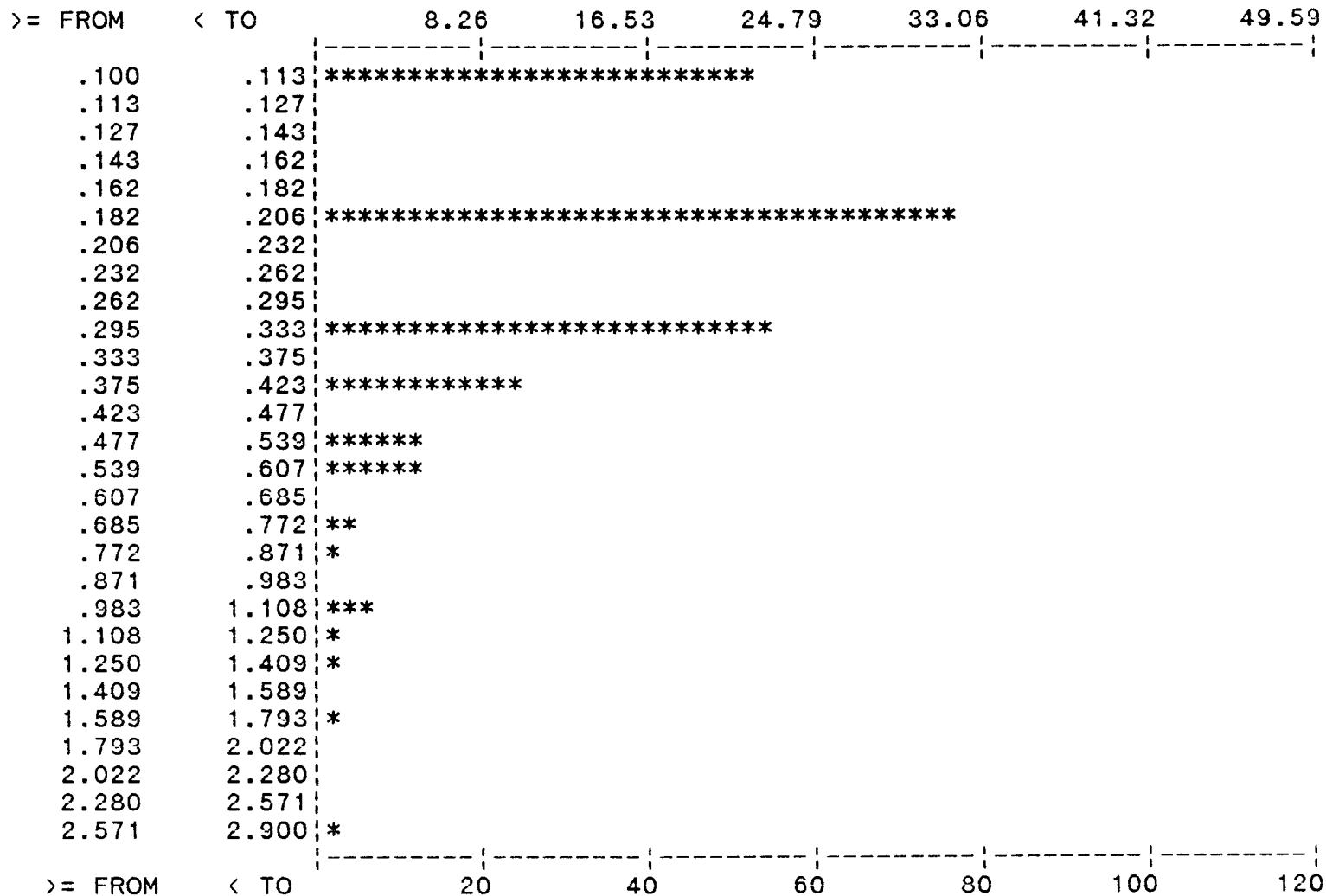
*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : LAKE CLAIMS AG

LOG HISTOGRAM

FREQUENCY .8264 PERCENT PER STAR



2.0000 COUNTS PER STAR

*** CLAIMSTAKER/PLACER DOME ***
*** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - ZN

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 17.000
MAXIMUM CUTOFF VALUE : 193.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 40.000
MAXIMUM HISTOGRAM VALUE : 193.000
CLASS INTERVAL : 6.120

MINIMUM POPULATION DATA POINT : 17.000
MAXIMUM POPULATION DATA POINT : 193.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	72.1942	71.9540
MEDIAN		68.9117
GEOMETRIC MEAN	68.5853	67.9919
NATURAL LOG MEAN	4.2281	4.2194
STANDARD DEVIATION	23.3578	24.0782
VARIANCE	545.5865	579.7620
COEFFICIENT OF VARIATION	.3235	.3346
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	545.5865	579.7620
MOMENT 3 ABOUT ARITHMETIC MEAN	13400.0900	12056.6500
MOMENT 4 ABOUT ARITHMETIC MEAN	1707697.0000	1708851.0000
MOMENT COEFFICIENT OF SKEWNESS	1.0515	.8637
MOMENT COEFFICIENT OF KURTOSIS	5.7370	5.0840

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - ZN

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<-INCREMENTAL->		< UPPER BND > INCREASING			>= LOWER BND > DECREASING		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM FREQ PERCENT	CUM COUNT	CUM MEAN (GM)	CUM FREQ PERCENT
17.000	42.599	3	40.331	3	40.331	1.24	242	68.585	100.00
42.599	45.367	2	44.497	5	41.948	2.07	239	69.044	98.76
45.367	48.315	11	46.902	16	45.294	6.61	237	69.300	97.93
48.315	51.454	8	49.993	24	46.809	9.92	226	70.630	93.39
51.454	54.797	12	52.994	36	48.786	14.88	218	71.531	90.08
54.797	58.358	21	56.368	57	51.453	23.55	206	72.792	85.12
58.358	62.150	27	60.622	84	54.238	34.71	185	74.936	76.45
62.150	66.188	14	64.991	98	55.657	40.50	158	77.700	65.29
66.188	70.489	19	68.571	117	57.576	48.35	144	79.061	59.50
70.489	75.069	22	72.304	139	59.689	57.44	125	80.790	51.65
75.069	79.946	18	77.714	157	61.523	64.88	103	82.728	42.56
79.946	85.141	16	82.740	173	63.232	71.49	85	83.831	35.12
85.141	90.673	12	87.823	185	64.594	76.45	69	84.086	28.51
90.673	96.565	8	93.360	193	65.588	79.75	57	83.319	23.55
96.565	102.839	11	98.622	204	67.046	84.30	49	81.786	20.25
102.839	109.521	10	106.681	214	68.517	88.43	38	77.472	15.70
109.521	116.638	8	113.236	222	69.769	91.74	28	69.107	11.57
116.638	124.216	2	119.474	224	70.105	92.56	20	56.720	8.26
124.216	132.287	1	128.000	225	70.293	92.98	18	52.214	7.44
132.287	140.883	3	135.632	228	70.903	94.21	17	49.531	7.02
140.883	150.037	1	149.000	229	71.134	94.63	14	39.915	5.79
150.037	159.786	0	.000	229	71.134	94.63	13	36.069	5.37
159.786	170.168	0	.000	229	71.134	94.63	13	36.069	5.37
170.168	181.225	0	.000	229	71.134	94.63	13	36.069	5.37
181.225	193.000	1	193.000	230	71.443	95.04	13	36.069	5.37

NB : (GM) - GEOMETRIC MEAN

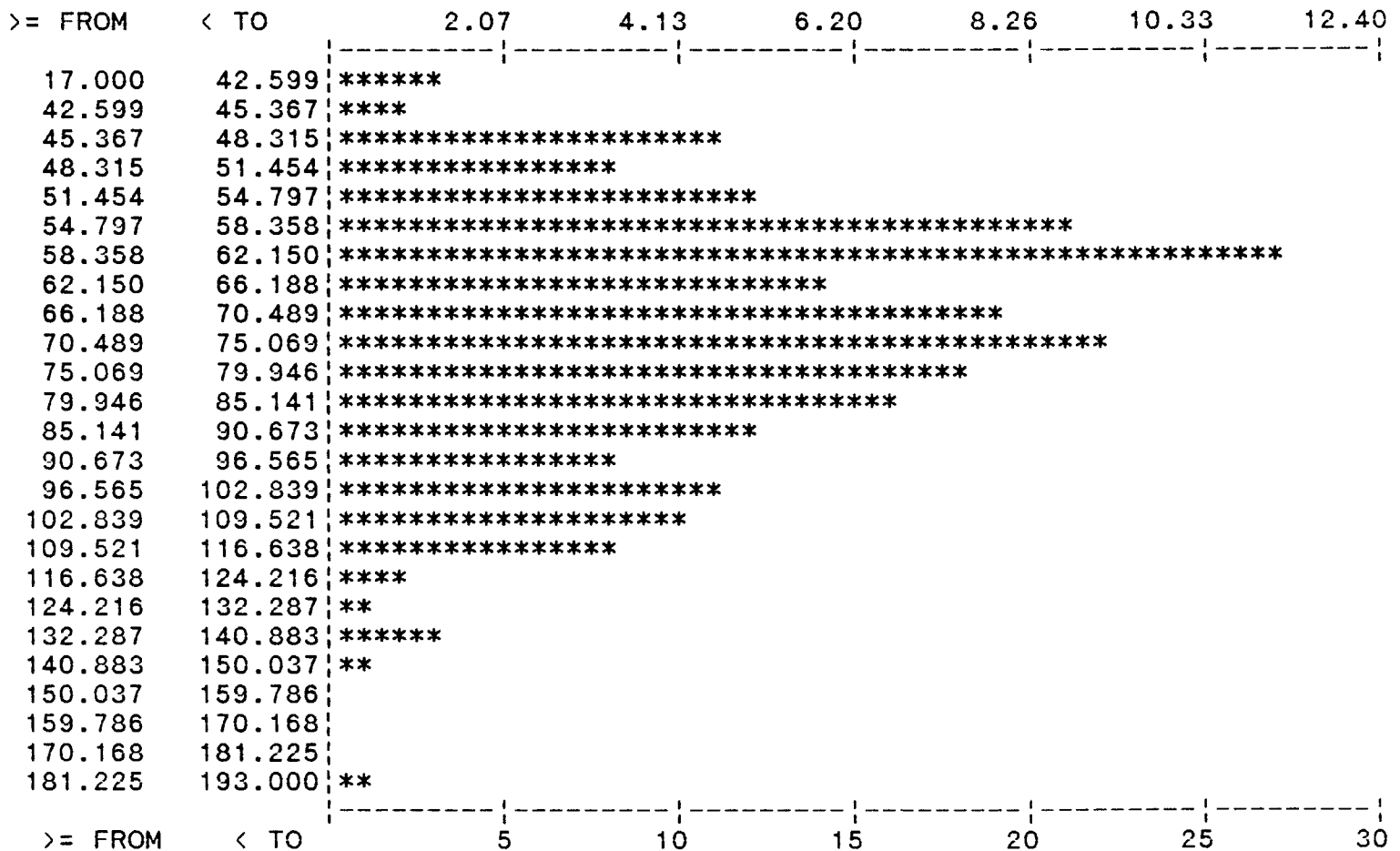
CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : D:\PCXPLOR\LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - ZN

LOG HISTOGRAM

FREQUENCY .2066 PERCENT PER STAR



.5000 COUNTS PER STAR

*** CLAIMSTAKER/PLACER DOME ***
*** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - PB

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 2.000
MAXIMUM CUTOFF VALUE : 122.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 2.000
MAXIMUM HISTOGRAM VALUE : 122.000
CLASS INTERVAL : 4.800

MINIMUM POPULATION DATA POINT : 2.000
MAXIMUM POPULATION DATA POINT : 122.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	8.0909	8.4860
MEDIAN		6.0901
GEOMETRIC MEAN	5.8950	6.4774
NATURAL LOG MEAN	1.7741	1.8683
STANDARD DEVIATION	12.5029	12.4369
VARIANCE	156.3223	154.6769
COEFFICIENT OF VARIATION	1.5453	1.4656
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	156.3223	154.6769
MOMENT 3 ABOUT ARITHMETIC MEAN	13021.8100	12802.1000
MOMENT 4 ABOUT ARITHMETIC MEAN	1289265.0000	1246828.0000
MOMENT COEFFICIENT OF SKEWNESS	6.6625	6.6549
MOMENT COEFFICIENT OF KURTOSIS	52.7594	52.1141

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - PB

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<-INCREMENTAL->			< UPPER BND INCREASING >			>= LOWER BND DECREASING >		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	FREQ
2.000	2.357	20	2.000	20	2.000	8.26	242	5.895	100.00	
2.357	2.779	0	.000	20	2.000	8.26	222	6.498	91.74	
2.779	3.275	22	3.000	42	2.473	17.36	222	6.498	91.74	
3.275	3.861	0	.000	42	2.473	17.36	200	7.075	82.64	
3.861	4.551	35	4.000	77	3.077	31.82	200	7.075	82.64	
4.551	5.364	34	5.000	111	3.571	45.87	165	7.984	68.18	
5.364	6.323	31	6.000	142	3.999	58.68	131	9.015	54.13	
6.323	7.453	30	7.000	172	4.409	71.07	100	10.228	41.32	
7.453	8.785	20	8.000	192	4.691	79.34	70	12.034	28.93	
8.785	10.355	24	9.404	216	5.068	89.26	50	14.168	20.66	
10.355	12.206	7	11.138	223	5.195	92.15	26	20.685	10.74	
12.206	14.388	5	13.391	228	5.304	94.21	19	25.984	7.85	
14.388	16.959	5	15.592	233	5.428	96.28	14	32.924	5.79	
16.959	19.990	0	.000	233	5.428	96.28	9	49.871	3.72	
19.990	23.563	2	21.494	235	5.492	97.11	9	49.871	3.72	
23.563	27.774	0	.000	235	5.492	97.11	7	63.429	2.89	
27.774	32.738	0	.000	235	5.492	97.11	7	63.429	2.89	
32.738	38.589	2	35.986	237	5.580	97.93	7	63.429	2.89	
38.589	45.486	0	.000	237	5.580	97.93	5	79.569	2.07	
45.486	53.616	1	46.000	238	5.630	98.35	5	79.569	2.07	
53.616	63.199	0	.000	238	5.630	98.35	4	91.252	1.65	
63.199	74.494	1	66.000	239	5.688	98.76	4	91.252	1.65	
74.494	87.808	1	79.000	240	5.751	99.17	3	101.658	1.24	
87.808	103.501	0	.000	240	5.751	99.17	2	115.319	.83	
103.501	122.000	2	115.317	242	5.895	100.00	2	115.319	.83	

NB : (GM) - GEOMETRIC MEAN

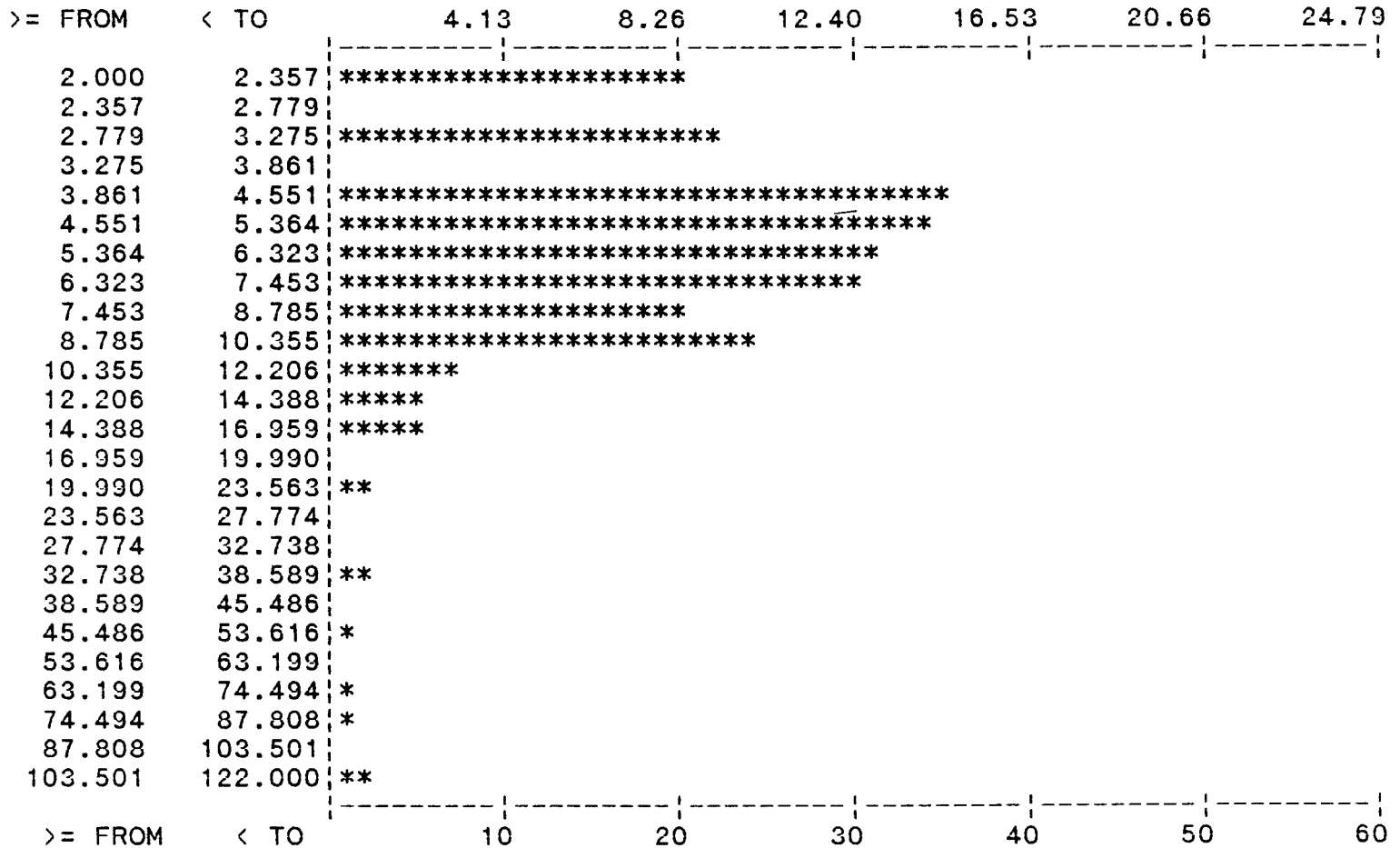
*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - PB

LOG HISTOGRAM

FREQUENCY .4132 PERCENT PER STAR



1.0000 COUNTS PER STAR

*** CLAIMSTAKER/PLACER DOME ***
*** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - SR

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 14.000
MAXIMUM CUTOFF VALUE : 506.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 14.000
MAXIMUM HISTOGRAM VALUE : 506.000
CLASS INTERVAL : 19.680

MINIMUM POPULATION DATA POINT : 14.000
MAXIMUM POPULATION DATA POINT : 506.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	47.3719	46.6916
MEDIAN		38.9140
GEOMETRIC MEAN	39.9023	39.2118
NATURAL LOG MEAN	3.6864	3.6690
STANDARD DEVIATION	45.2618	44.5608
VARIANCE	2048.6300	1985.6690
COEFFICIENT OF VARIATION	.9555	.9544
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	2048.6300	1985.6690
MOMENT 3 ABOUT ARITHMETIC MEAN	600909.4000	567757.1000
MOMENT 4 ABOUT ARITHMETIC MEAN	237253600.0000	220091400.0000
MOMENT COEFFICIENT OF SKEWNESS	6.4806	6.4166
MOMENT COEFFICIENT OF KURTOSIS	56.5309	55.8200

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - SR

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<-INCREMENTAL->			< UPPER BND INCREASING >			>= LOWER BND DECREASING >		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM FREQ
14.000	16.160	3	14.637	3	14.637	1.24	242	39.902	100.00	
16.160	18.654	5	18.000	8	16.657	3.31	239	40.408	98.76	
18.654	21.532	11	20.071	19	18.555	7.85	234	41.112	96.69	
21.532	24.855	12	23.404	31	20.300	12.81	223	42.592	92.15	
24.855	28.690	27	26.489	58	22.977	23.97	211	44.067	87.19	
28.690	33.117	38	30.609	96	25.739	39.67	184	47.485	76.03	
33.117	38.227	25	35.738	121	27.545	50.00	146	53.234	60.33	
38.227	44.126	34	41.343	155	30.111	64.05	121	57.803	50.00	
44.126	50.935	28	47.079	183	32.243	75.62	87	65.891	35.95	
50.935	58.795	15	54.017	198	33.528	81.82	59	77.288	24.38	
58.795	67.867	16	62.822	214	35.140	88.43	44	87.328	18.18	
67.867	78.339	9	71.073	223	36.153	92.15	28	105.413	11.57	
78.339	90.427	6	82.758	229	36.946	94.63	19	127.053	7.85	
90.427	104.381	4	94.684	233	37.548	96.28	13	154.850	5.37	
104.381	120.487	2	109.982	235	37.893	97.11	9	192.692	3.72	
120.487	139.079	1	130.000	236	38.091	97.52	7	226.176	2.89	
139.079	160.540	2	152.971	238	38.539	98.35	6	248.044	2.48	
160.540	185.312	0	.000	238	38.539	98.35	4	315.856	1.65	
185.312	213.907	1	202.000	239	38.807	98.76	4	315.856	1.65	
213.907	246.914	0	.000	239	38.807	98.76	3	366.606	1.24	
246.914	285.015	1	269.000	240	39.121	99.17	3	366.606	1.24	
285.015	328.994	0	.000	240	39.121	99.17	2	427.976	.83	
328.994	379.760	1	362.000	241	39.484	99.59	2	427.976	.83	
379.760	438.359	0	.000	241	39.484	99.59	1	505.968	.41	
438.359	506.000	1	506.000	242	39.902	100.00	1	505.968	.41	

NB : (GM) - GEOMETRIC MEAN

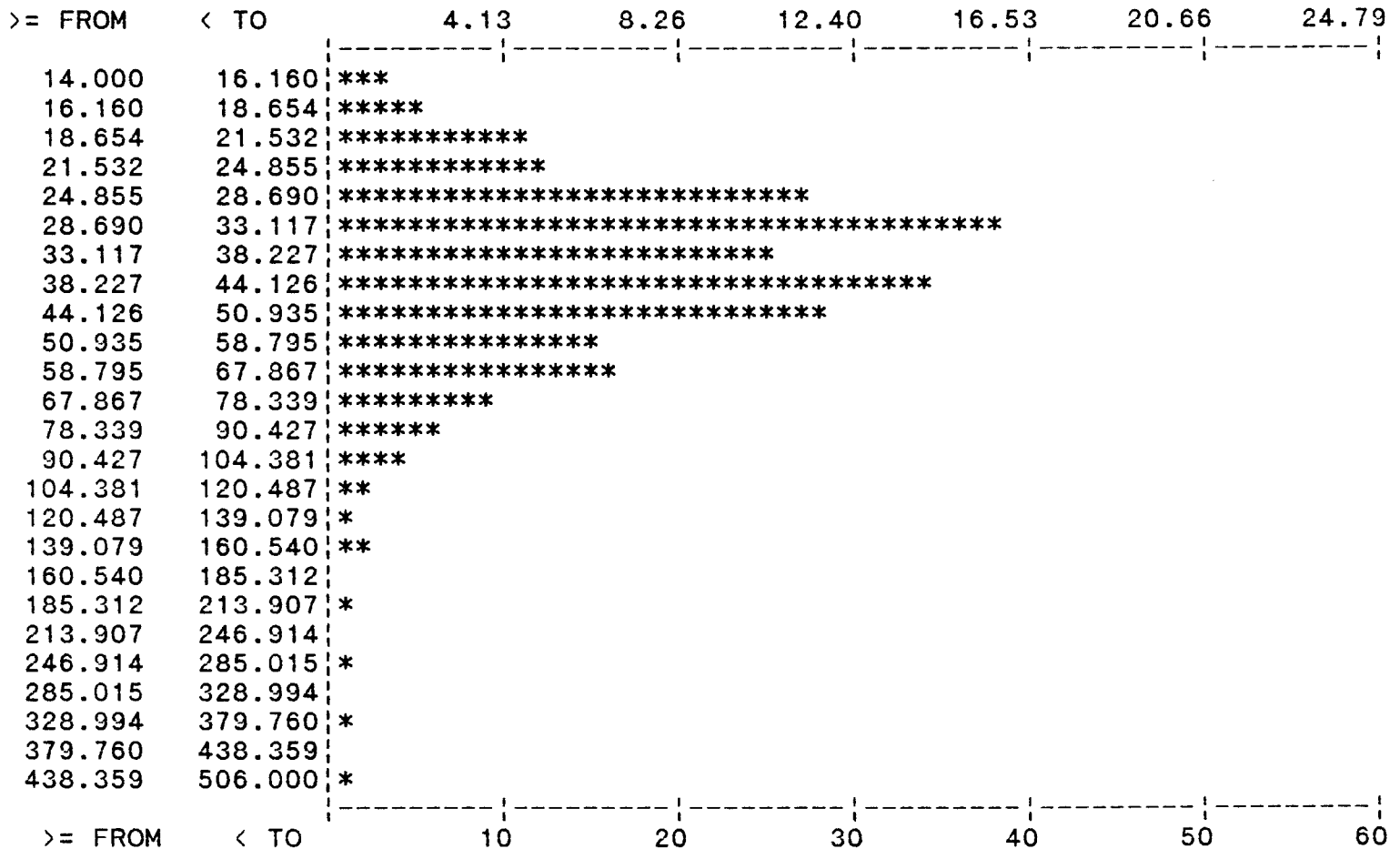
*** CLAIMSTAKER/PLACER DOME ***
 *** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - SR

LOG HISTOGRAM

FREQUENCY .4132 PERCENT PER STAR



1.0000 COUNTS PER STAR

*** CLAIMSTAKER/PLACER DOME ***
*** LAKE CLAIMS ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
USER DESCRIPTION : HISTOGRAM - BA

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : 45.000
MAXIMUM CUTOFF VALUE : 577.000
TOTAL NUMBER OF SAMPLES USED : 242

MINIMUM HISTOGRAM VALUE : 45.000
MAXIMUM HISTOGRAM VALUE : 577.000
CLASS INTERVAL : 21.280

MINIMUM POPULATION DATA POINT : 45.000
MAXIMUM POPULATION DATA POINT : 577.000
TOTAL POPULATION : 242

UNGROUPED DATA GROUPED DATA

	UNGROUPED DATA	GROUPED DATA
TOTAL NO OF SAMPLES	242	
ARITHMETIC MEAN	118.1736	117.1058
MEDIAN		107.0417
GEOMETRIC MEAN	110.8687	109.6200
NATURAL LOG MEAN	4.7083	4.6970
STANDARD DEVIATION	51.5044	51.3655
VARIANCE	2652.7060	2638.4160
COEFFICIENT OF VARIATION	.4358	.4386
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	2652.7060	2638.4160
MOMENT 3 ABOUT ARITHMETIC MEAN	539203.1000	510620.9000
MOMENT 4 ABOUT ARITHMETIC MEAN	212016100.0000	196543600.0000
MOMENT COEFFICIENT OF SKEWNESS	3.9466	3.7678
MOMENT COEFFICIENT OF KURTOSIS	30.1294	28.2340

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : LAKE\LAKE.MEX
 DATA DESCRIPTION : LAKE CLAIMS HISTOGRAM
 USER DESCRIPTION : HISTOGRAM - BA

FREQUENCY DISTRIBUTIONS

LOGARITHMIC CLASS INTERVAL		<-INCREMENTAL-->			< UPPER BND INCREASING >			>= LOWER BND DECREASING >		
>= FROM	< TO	COUNT	MEAN (GM)	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	CUM COUNT	CUM MEAN (GM)	CUM PERCENT	FREQ
45.000	49.835	2	45.989	2	45.989	.83	242	110.869	100.00	
49.835	55.189	2	54.498	4	50.063	1.65	240	111.685	99.17	
55.189	61.118	2	58.481	6	52.725	2.48	238	112.360	98.35	
61.118	67.684	8	64.731	14	59.283	5.79	236	112.984	97.52	
67.684	74.956	8	71.103	22	63.335	9.09	228	115.214	94.21	
74.956	83.009	18	79.524	40	70.166	16.53	220	117.254	90.91	
83.009	91.927	22	86.346	62	75.527	25.62	202	121.381	83.47	
91.927	101.803	33	96.568	95	82.258	39.26	180	126.541	74.38	
101.803	112.740	45	106.986	140	89.509	57.85	147	134.458	60.74	
112.740	124.853	29	117.921	169	93.845	69.83	102	148.722	42.15	
124.853	138.266	19	130.515	188	97.026	77.69	73	163.085	30.17	
138.266	153.121	18	145.210	206	100.506	85.12	54	176.383	22.31	
153.121	169.572	15	161.272	221	103.784	91.32	36	194.395	14.88	
169.572	187.790	8	175.304*	229	105.702	94.63	21	222.143	8.68	
187.790	207.965	3	194.555	232	106.539	95.87	13	256.991	5.37	
207.965	230.308	3	210.308	235	107.468	97.11	10	279.371	4.13	
230.308	255.051	2	244.495Δ	237	108.216	97.93	7	315.530	2.89	
255.051	282.453	1	277.000	238	108.644	98.35	5	349.419	2.07	
282.453	312.798	1	306.000	239	109.116	98.76	4	370.307	1.65	
312.798	346.404	2	326.331	241	110.112	99.59	3	394.611	1.24	
346.404	383.620	0	.000	241	110.112	99.59	1	577.029	.41	
383.620	424.835	0	.000	241	110.112	99.59	1	577.029	.41	
424.835	470.477	0	.000	241	110.112	99.59	1	577.029	.41	
470.477	521.023	0	.000	241	110.112	99.59	1	577.029	.41	
521.024	577.000	1	577.000	242	110.869	100.00	1	577.029	.41	

NB : (GM) - GEOMETRIC MEAN

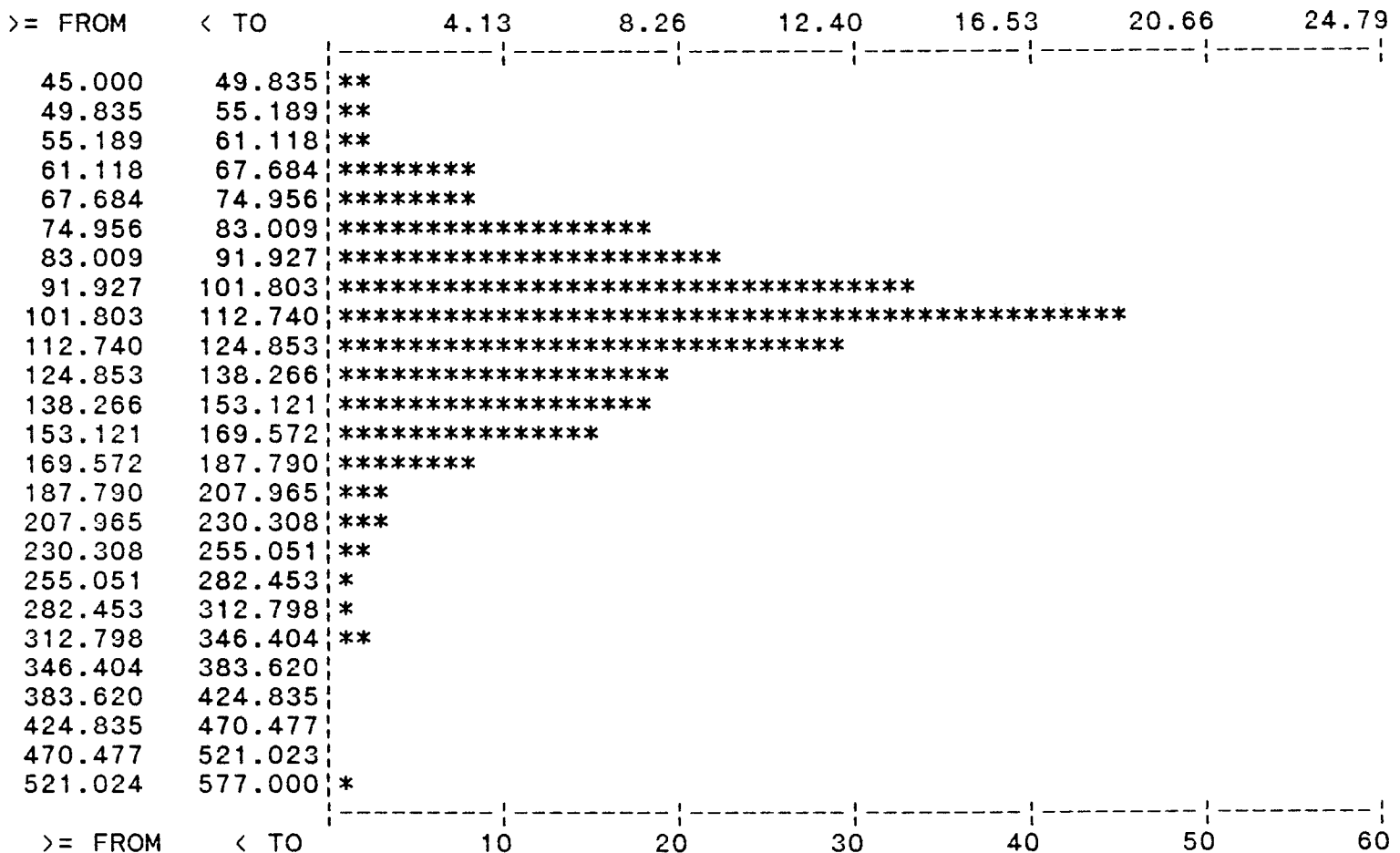
CLAIMSTAKER/PLACER DOME
 LAKE CLAIMS

CLASSICAL STATISTICS AND HISTOGRAMS

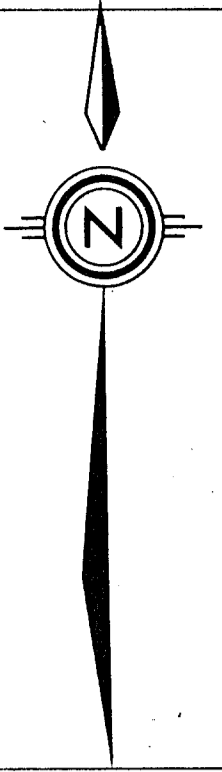
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 USER DESCRIPTION : HISTOGRAM - BA

LOG HISTOGRAM

FREQUENCY .4132 PERCENT PER STAR



1.0000 COUNTS PER STAR



CLAIM LINE

PROPERTY BOUNDARY

LAKE 1
12231

Cu/Ag

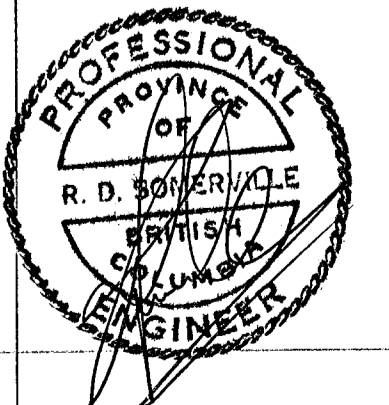
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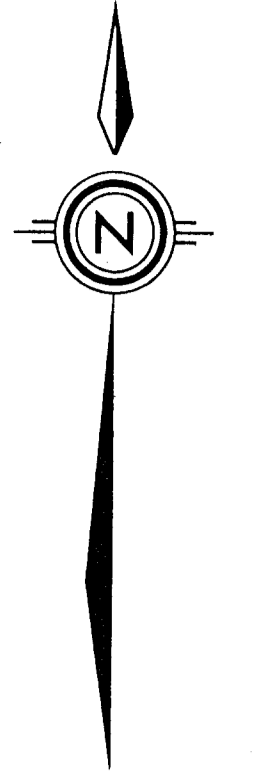
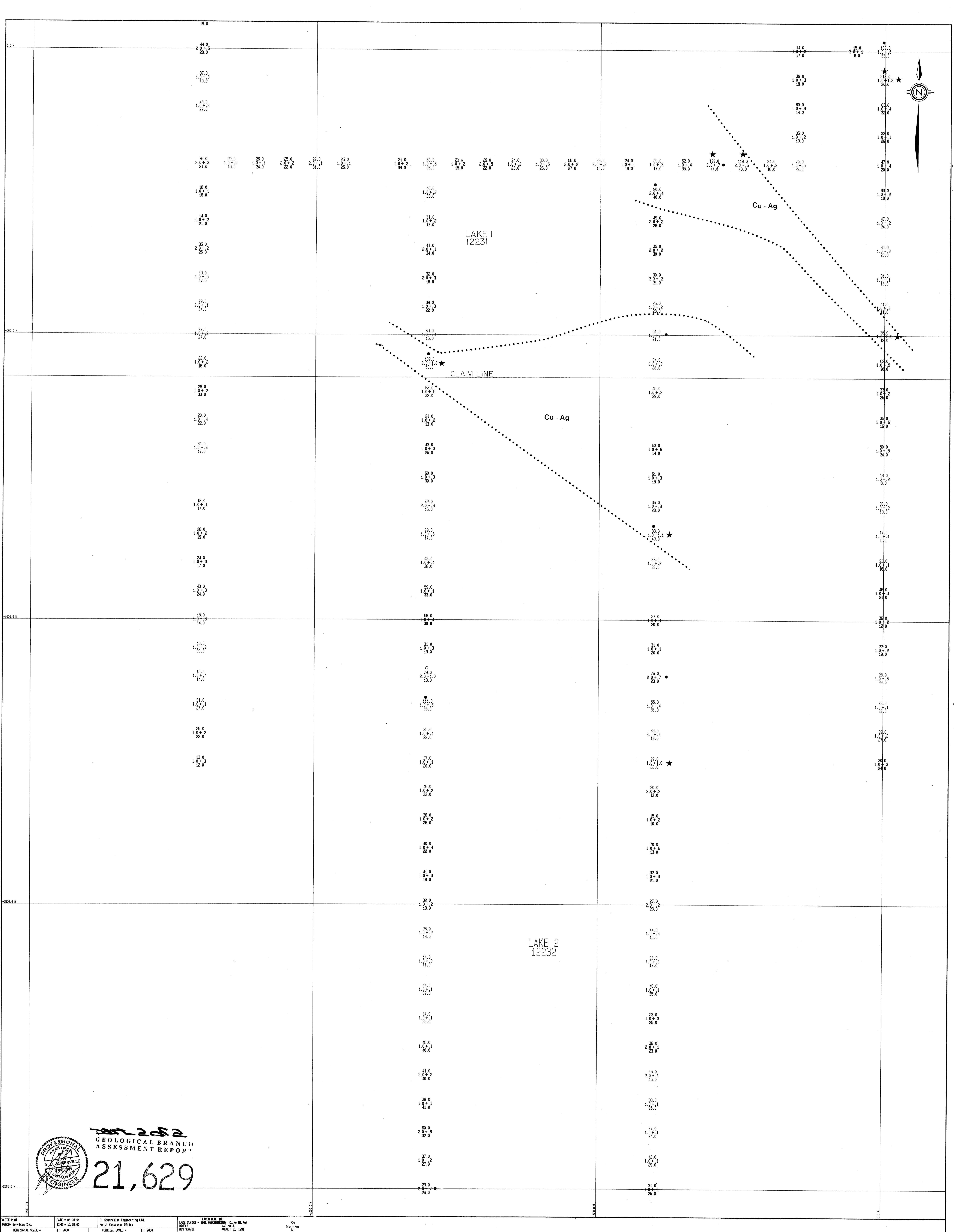
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Cu-Ag

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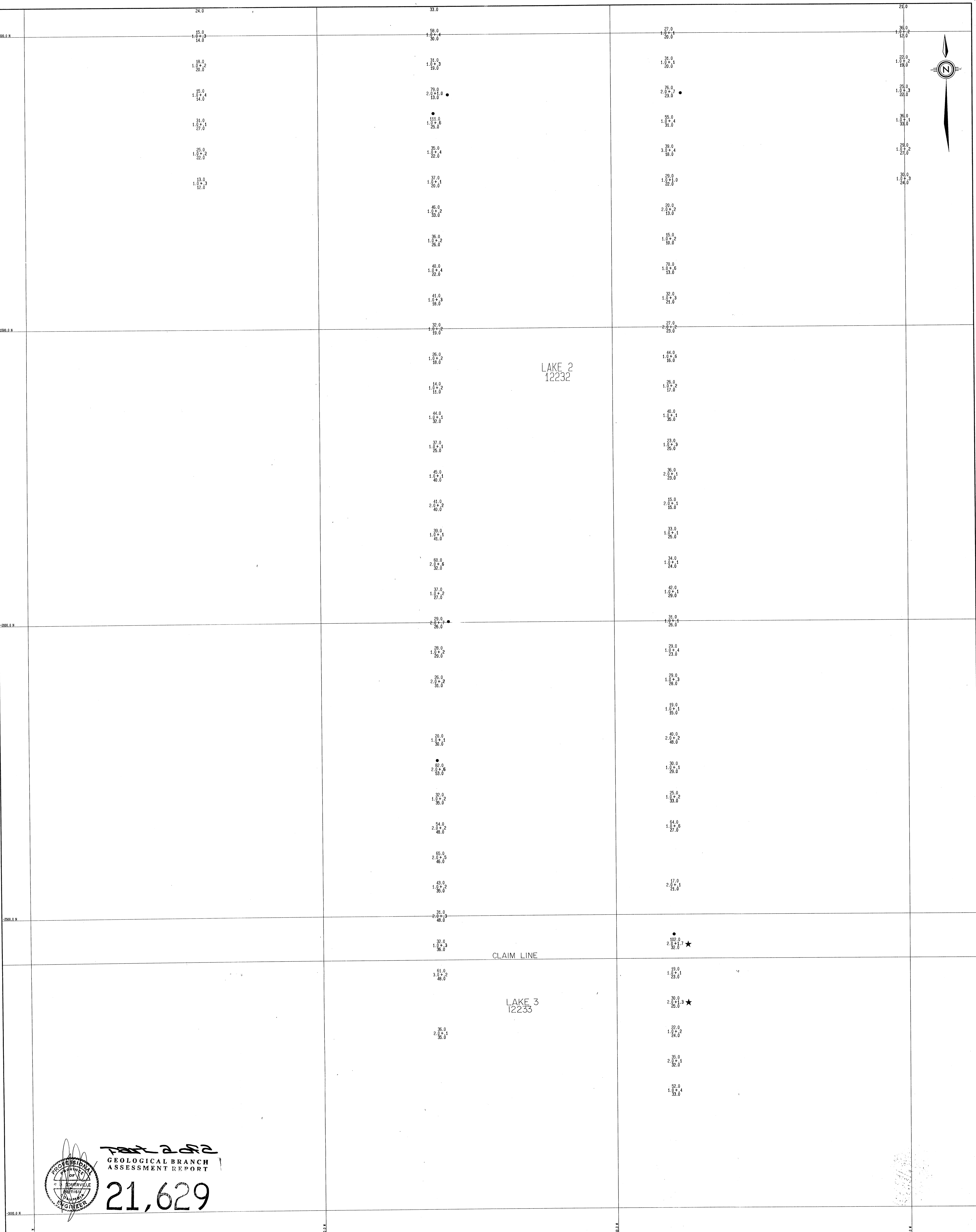
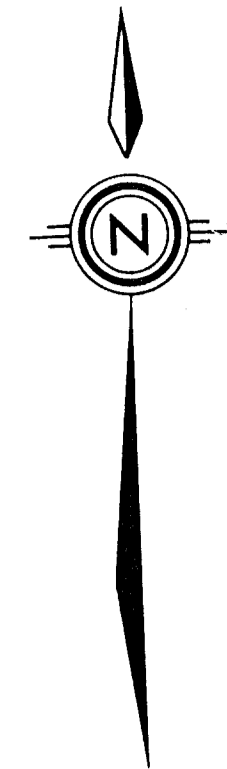
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CLAIM LINE

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LAKE 2
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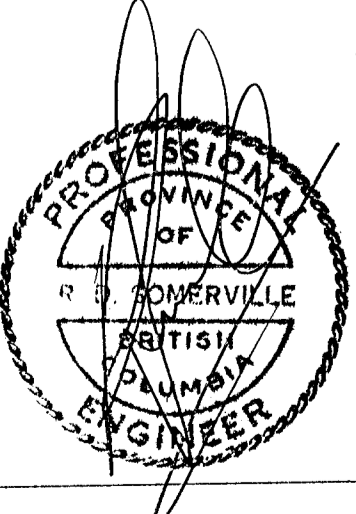
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LAKE 2
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CLAIM LINE

LAKE 3
12233



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**GEOLOGICAL BRANCH
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CLAIM LINE

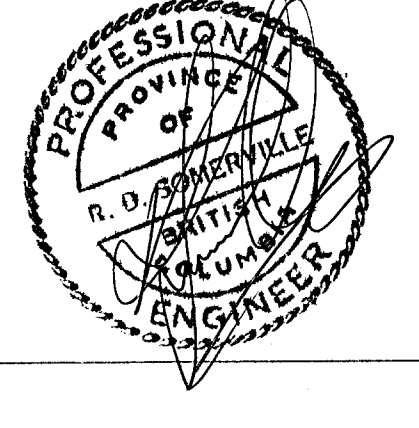
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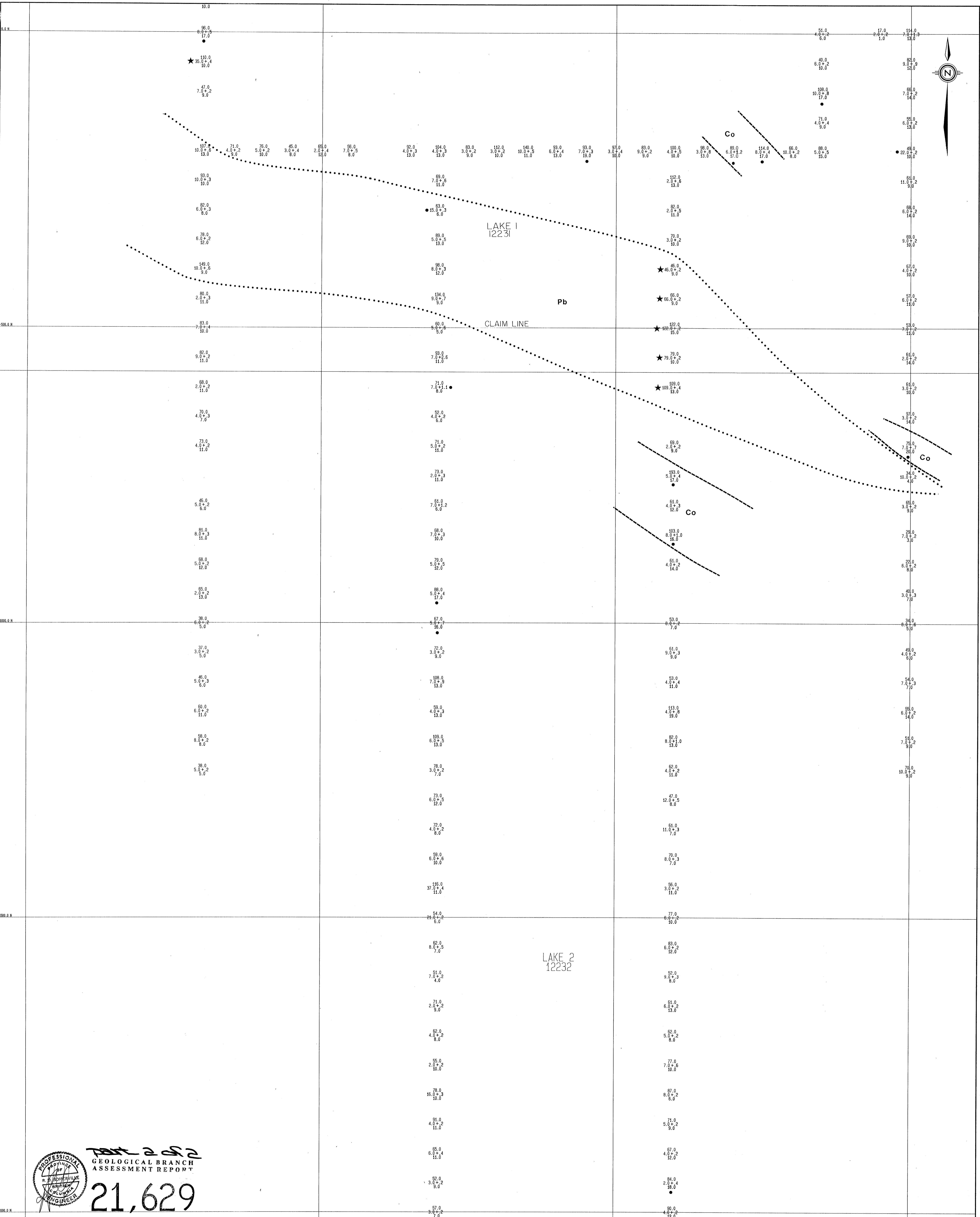
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GEOLOGICAL BRANCH
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PROFESSIONAL ENGINEERING
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

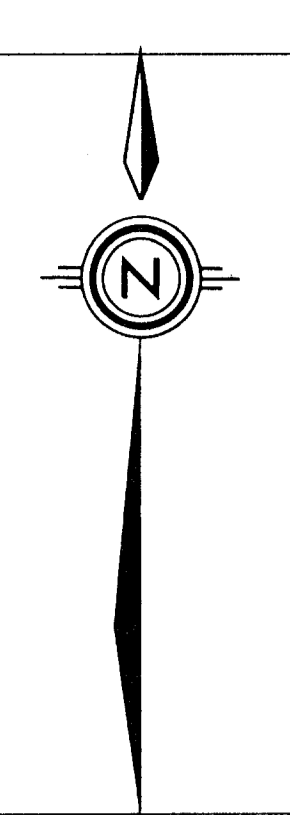


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CLAIM LINE

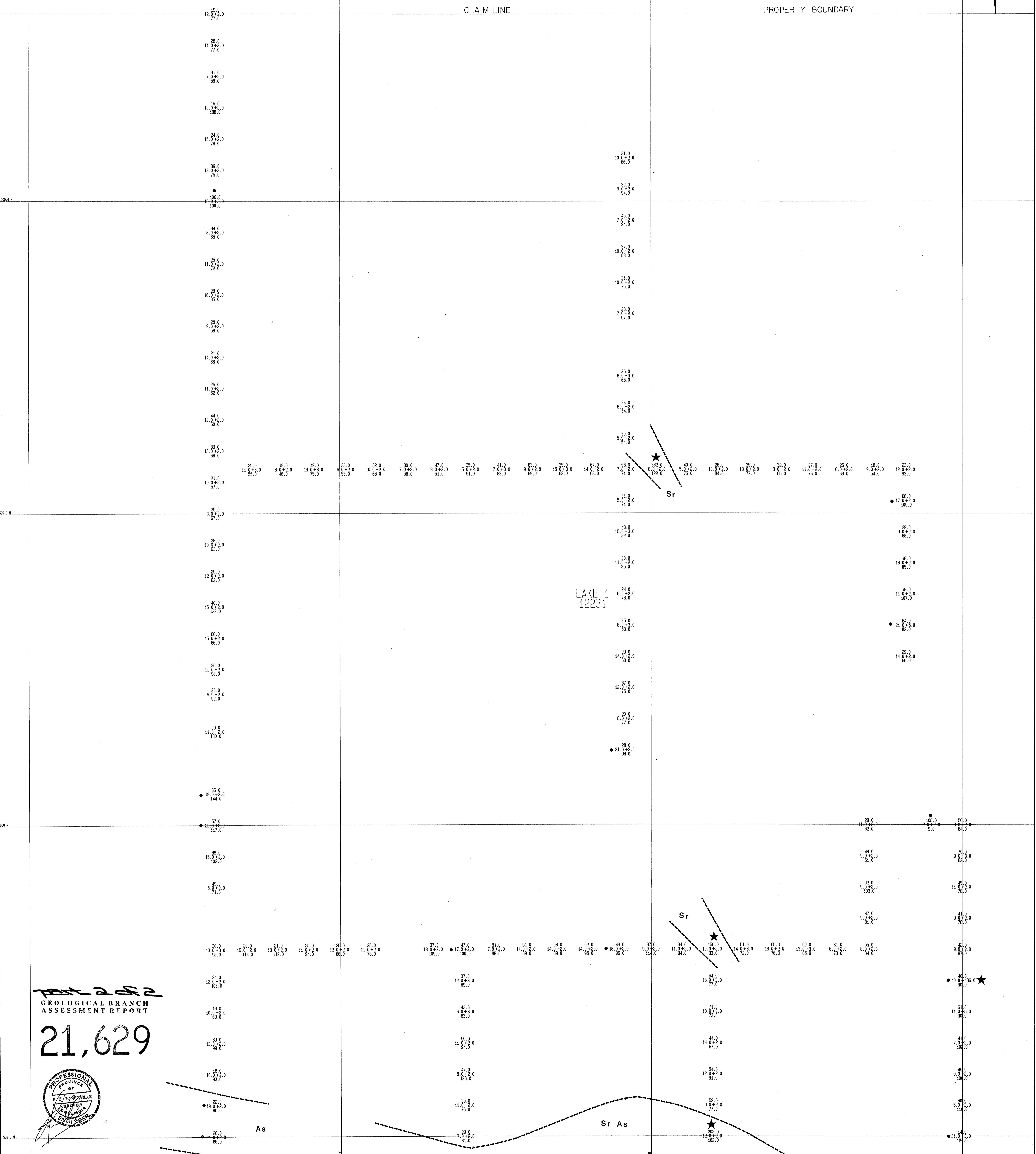
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PRACTICE
OF
GEOLOGICAL ENGINEERING
21,629



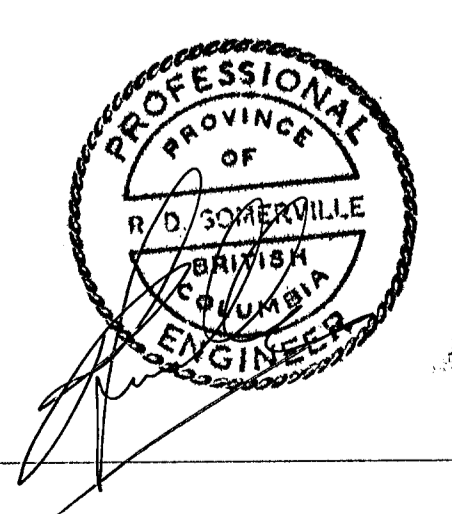
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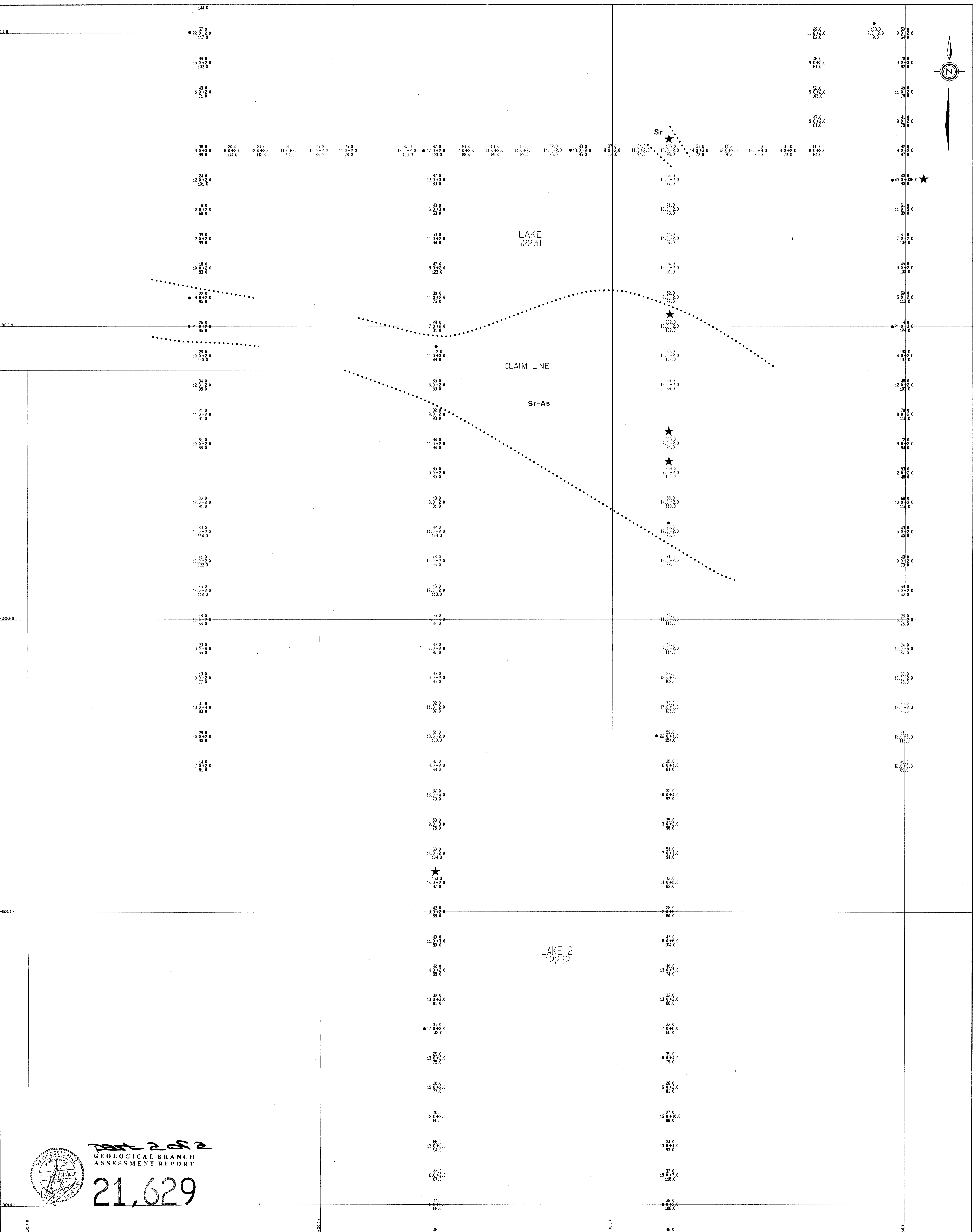
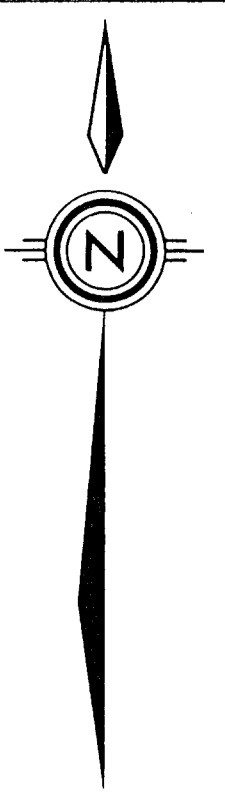
PROPERTY BOUNDARY



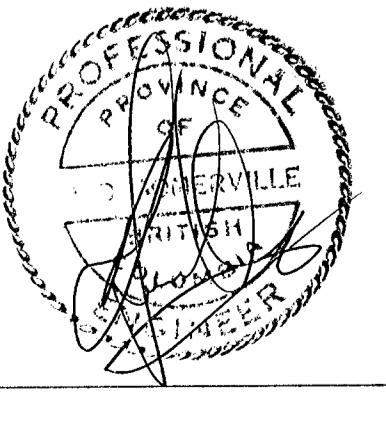
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

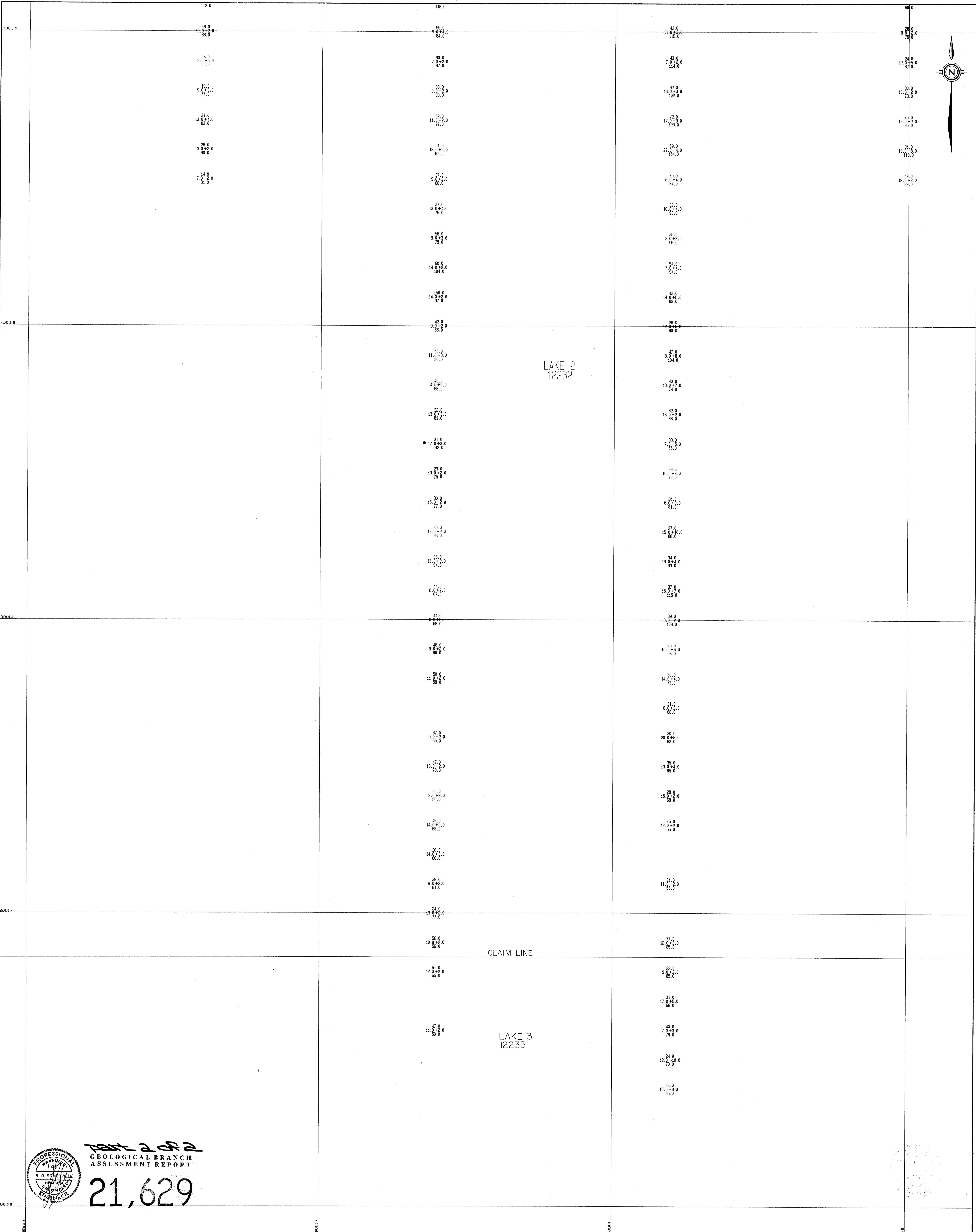
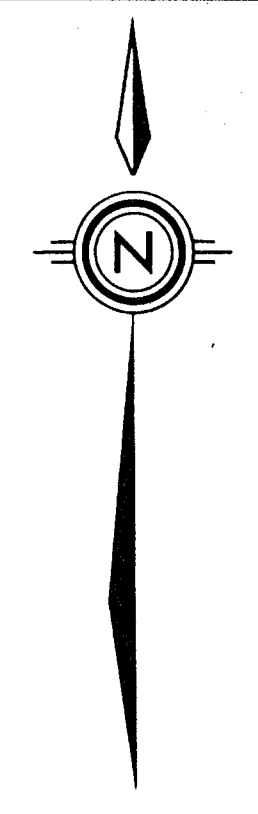
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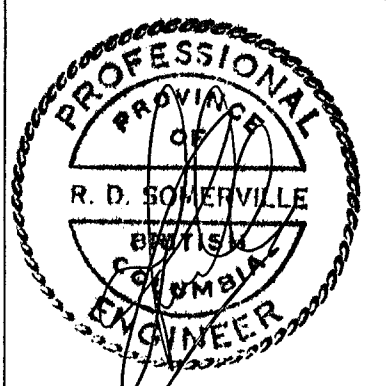




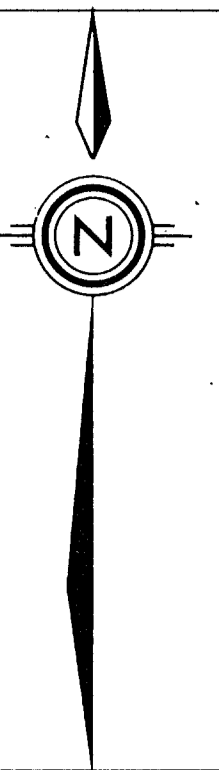
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CLAIM LINE

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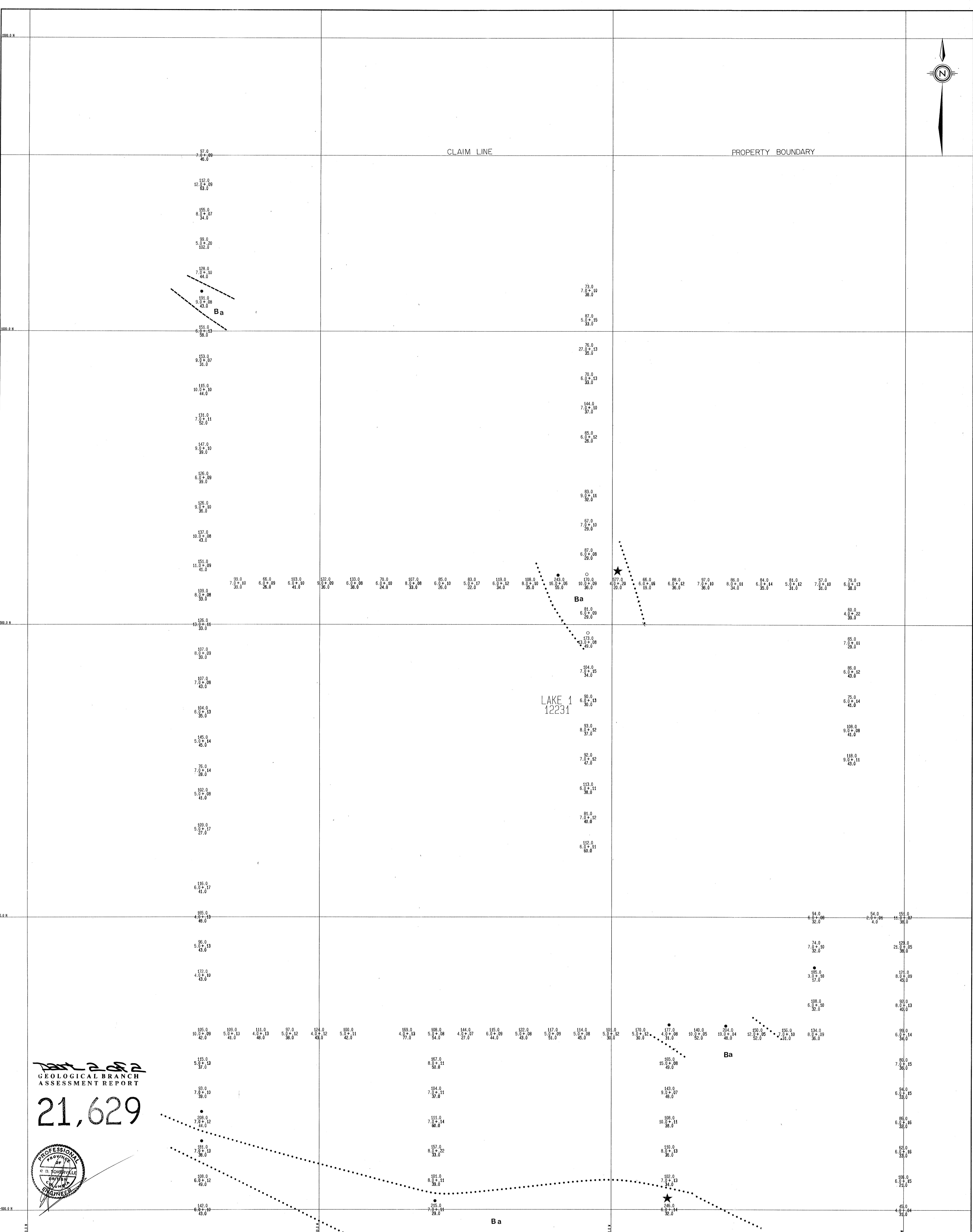


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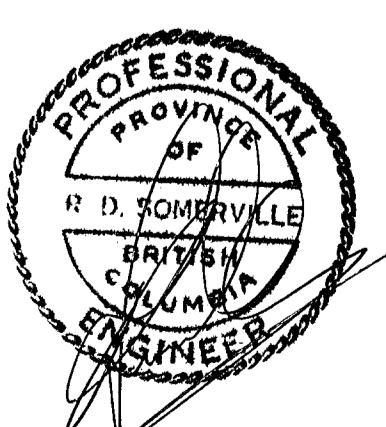


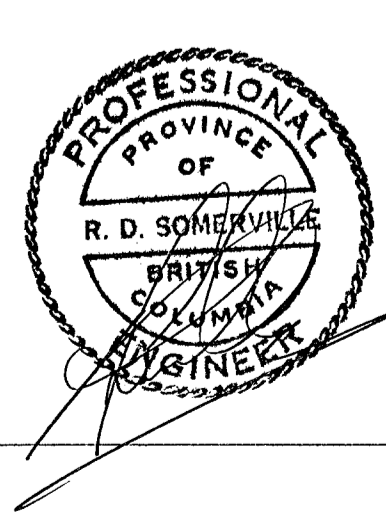
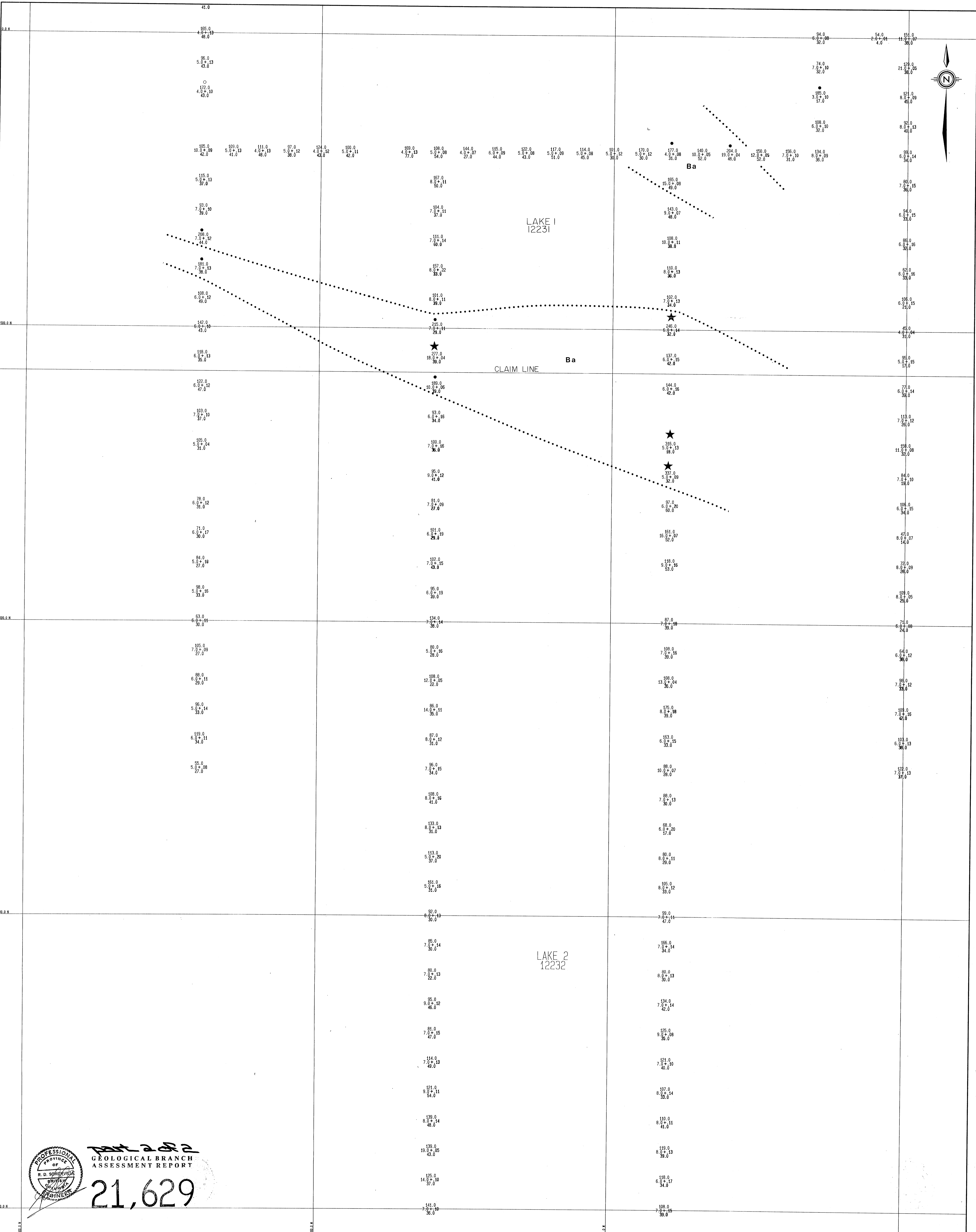
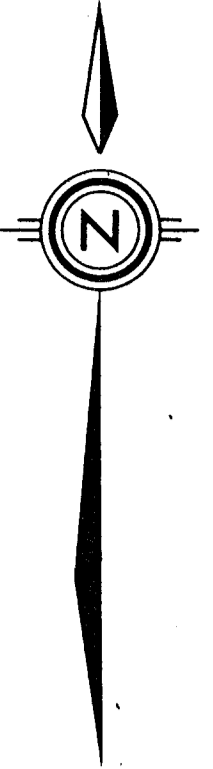
CLAIM LINE

PROPERTY BOUNDARY



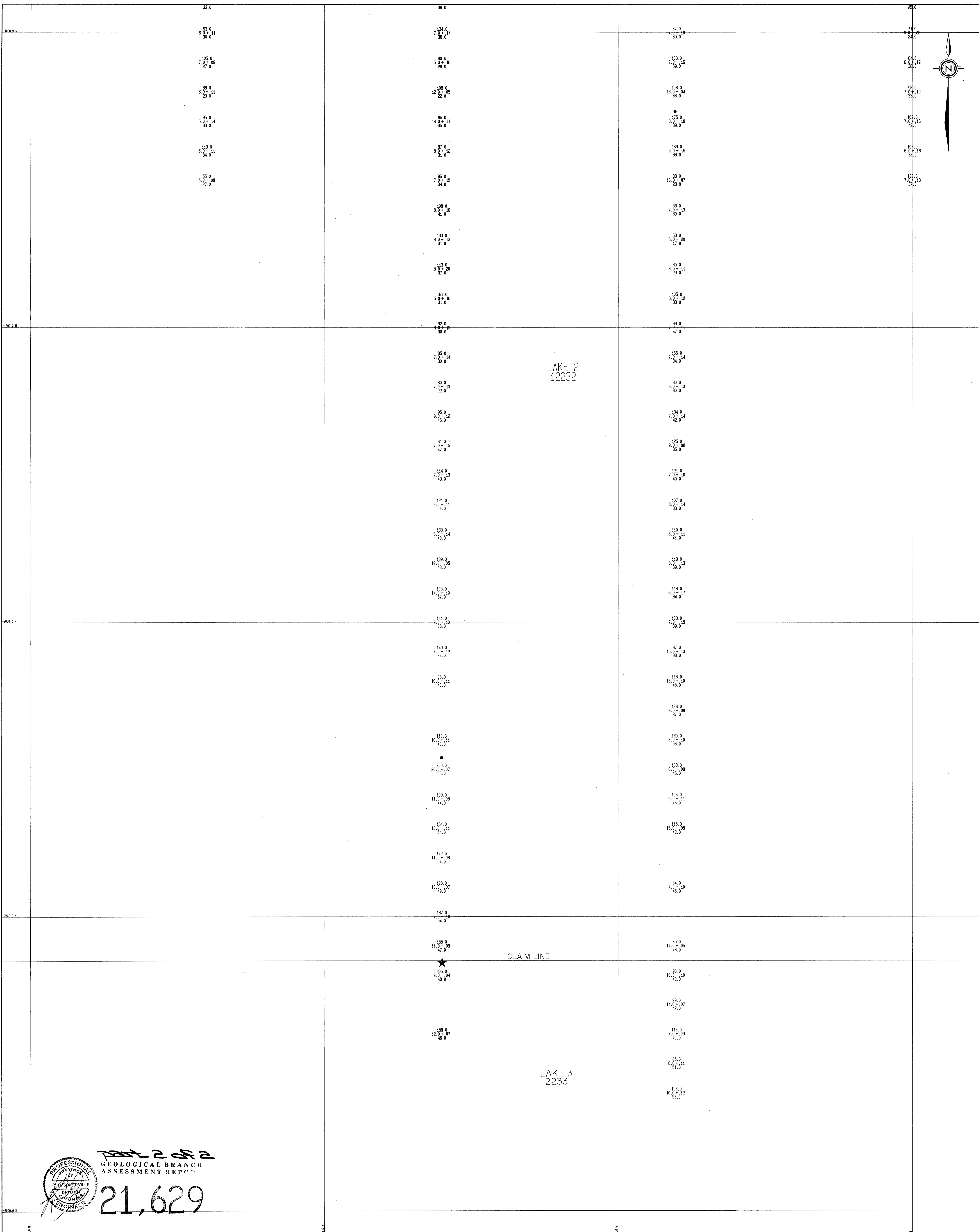
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GEOLOGICAL BRANCH
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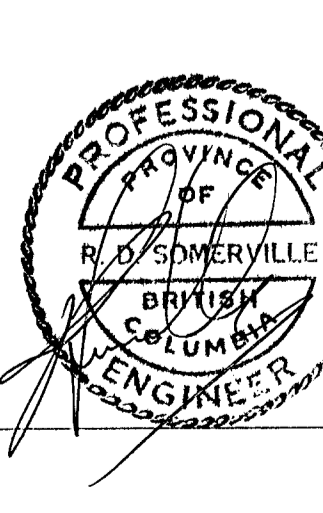


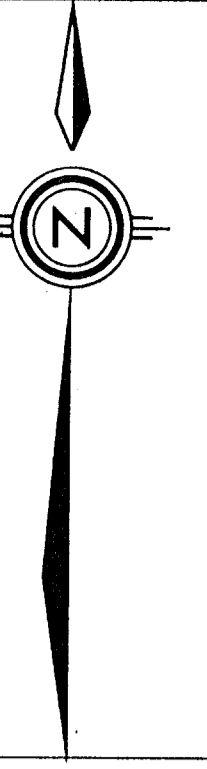


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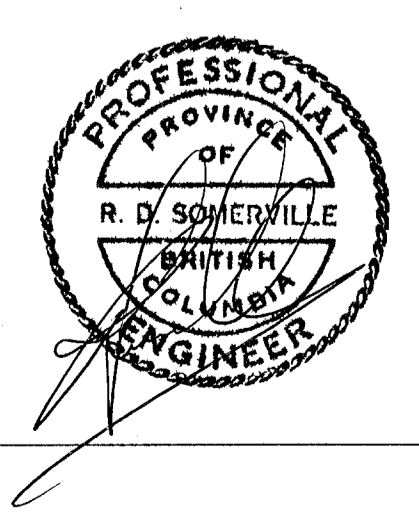
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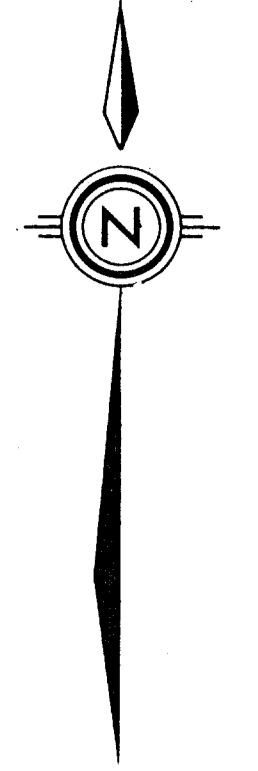
PROPERTY BOUNDARY

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GEOLOGICAL BRANCH
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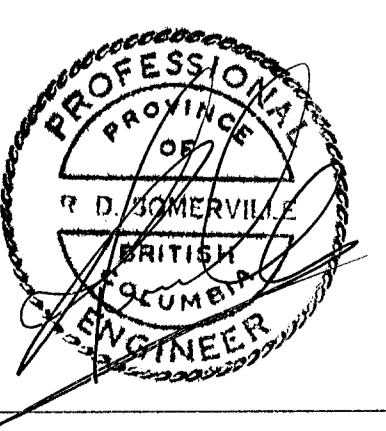
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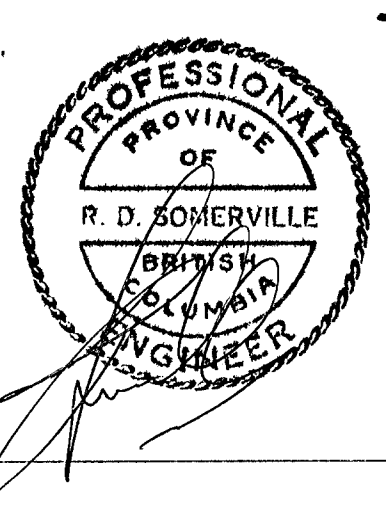
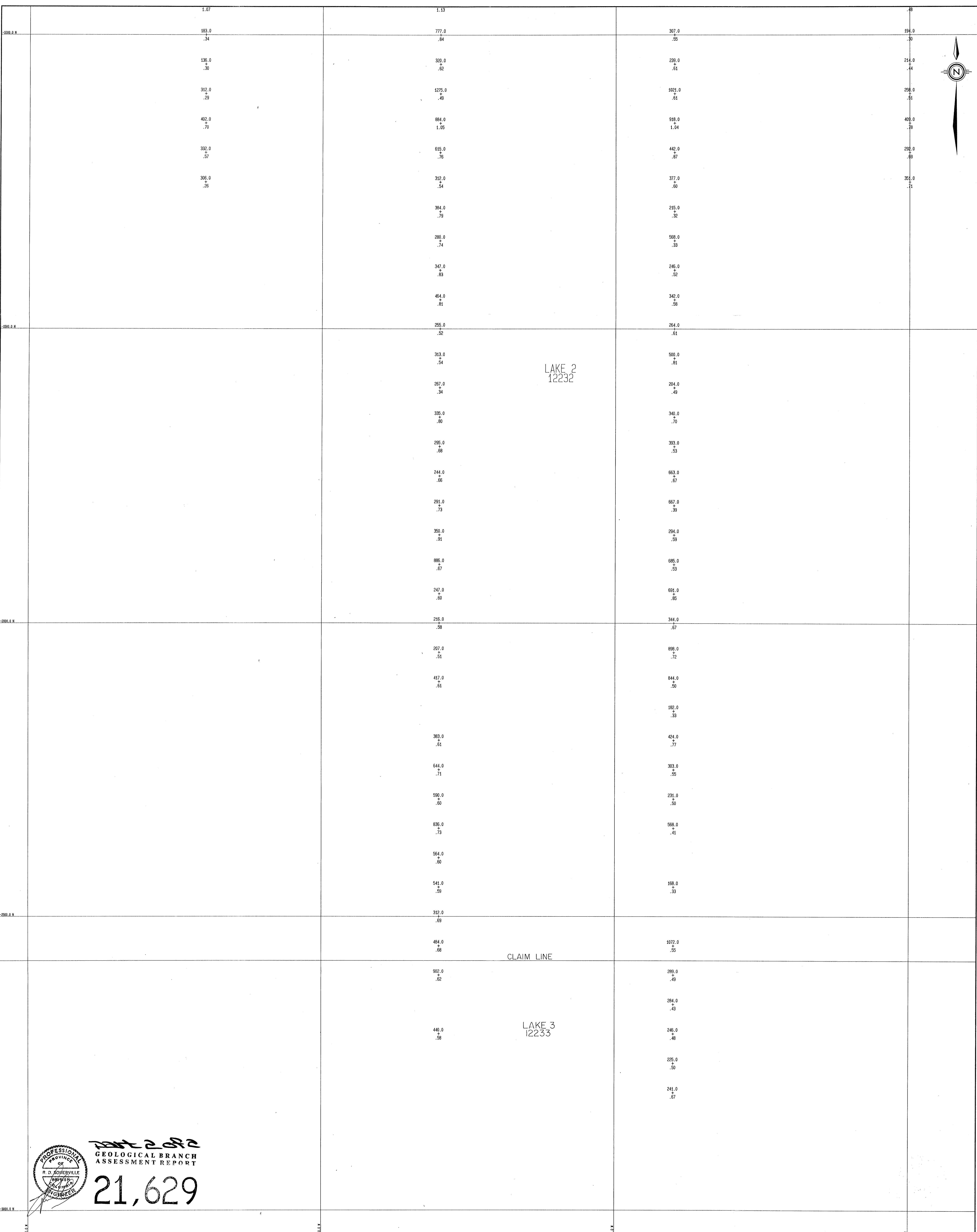
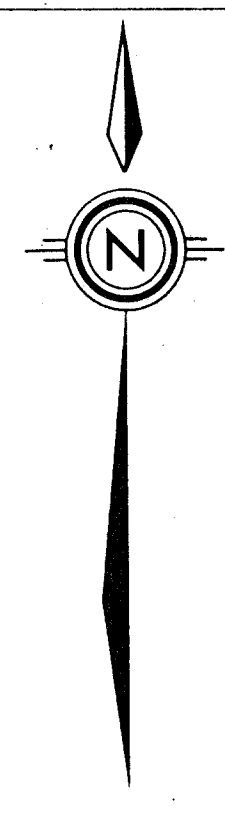
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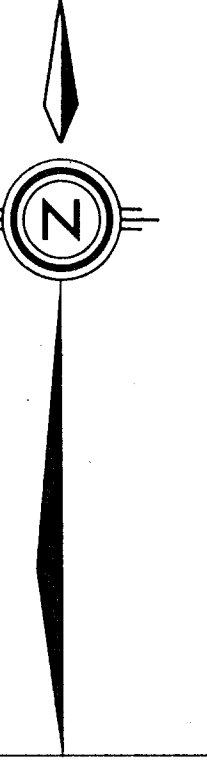
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CLAIM LINE

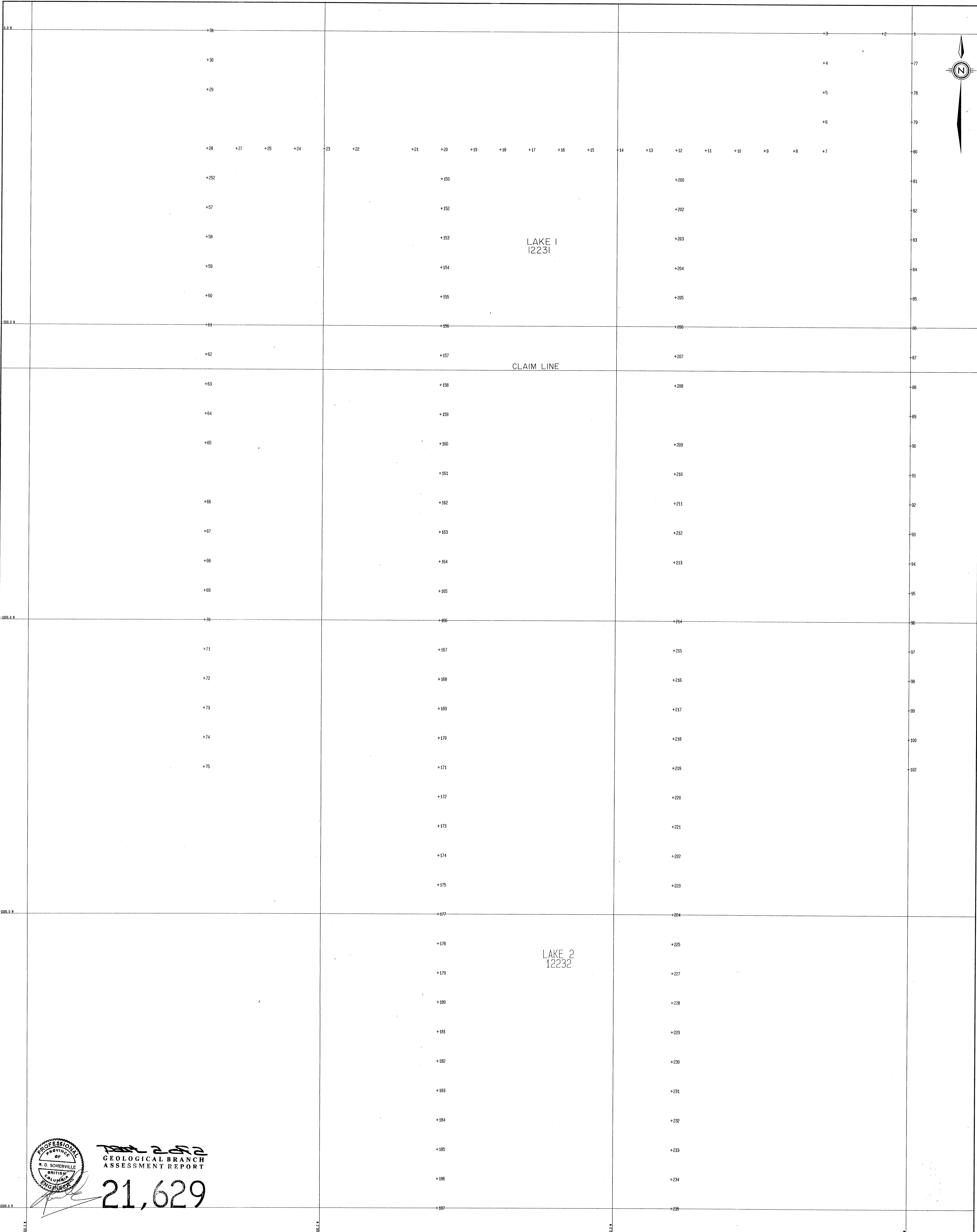
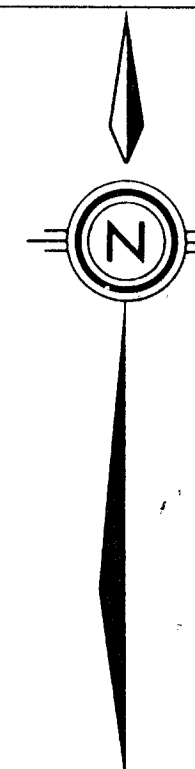
PROPERTY BOUNDARY

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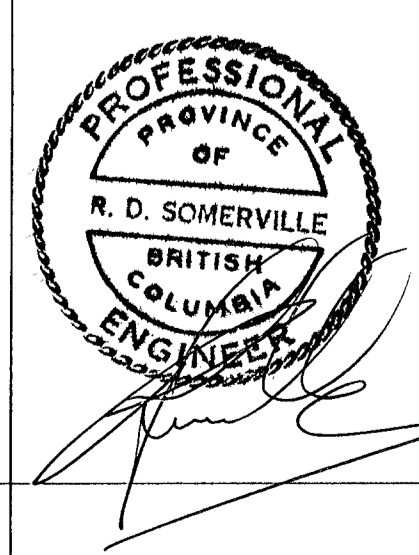




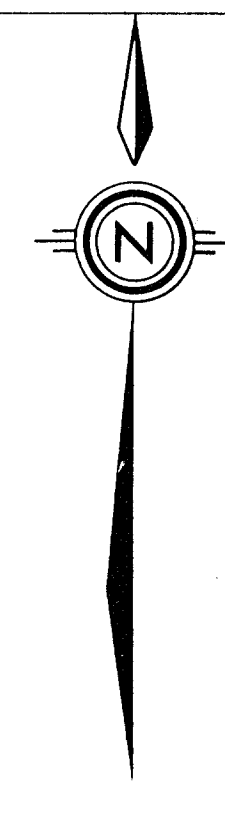
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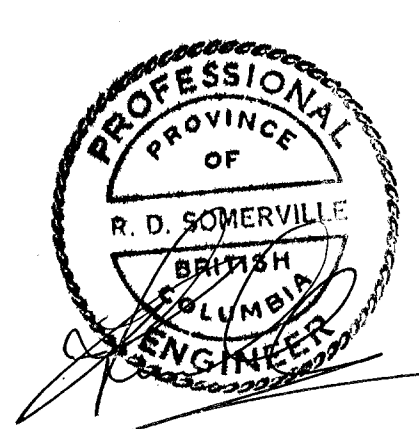
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