

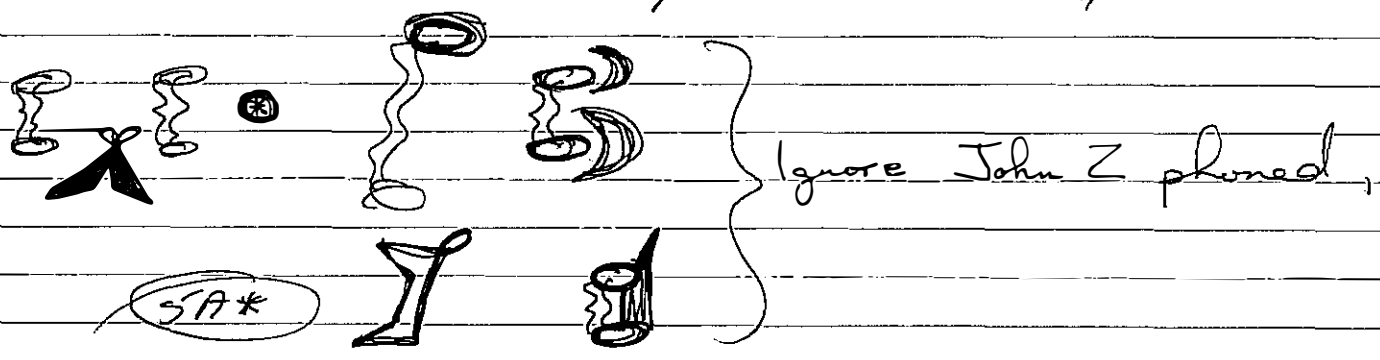
1980 drilling 12 holes 1320 feet crusher site
 14 holes 11985 feet dep. east end
 26

1980 Grume Expl. #511,023
 = 38.41/ft.

1981 drilling 5 holes 4650 feet dump area

Sep/81 - 18 met composites ??

1981 budget \$5000 feet @ \$32/ft = ~~160,000~~
 camp 30,000
 truck 1200
 survey 2000
 plus 10% = \$212520



1982 Nov/82 Report by CMS Nov
 Preliminary Dewatering N/C

Releg/ Reassay est \$5000 budget 152,000

DDH 25 holes — ft — samples

1982 126 Soil samples \$470.61

GRUM SUMMARY

1979 DDH TIE 7901 ↙ check assessment ft samples

1979 GEOTECH - Montreal Engineering (Nov)

Proposal Phase 1 \$4,000
- Review existing data.

Proposal Phase 2 \$47,100 excluding
equip costs for drilling & trenching
and site accommodation

4 holes drilled 1,233 feet
piezometers installed (\$760)

Report issued in 1980

VTD Dec 1979
= 48530.01
1980 other? = 43258?

1979 (Dec) Geophysicon Report

1200 m seismic

6000 m electromag.

Invoice #017 \$16,672.40

1979 (Dec) Wright Engineers Ltd.

quote \$12,500.00

5 year plan - ore grades by years

1979 (Jun/July-Aug?) Lakefield est. \$10,000.00
Progress Report #5 dated Aug 23-79)

SCHEDULE OF ASSAY FEES

Aluminium	11.00
Antimony	9.50
Arsenic	9.50
Barium	10.00
Bismuth	11.00
Cadmium	9.00
Calcium	9.00
Chlorine	11.00
Chromium	11.00
Cobalt	7.50
Copper (total)	5.50
Copper (non sulphide)	7.50
Fluorine	12.00
H ₂ O insoluble	5.50
Iron (total)	7.50
Iron (metallic)	7.50
Iron (ferrous)	7.50
Magnetite (Fe ₃ O ₄)	8.00
Lead	5.50
Loss on ignition	5.50
Magnesium	9.00
Mercury	9.50
Manganese	9.00
Molybdenum (total)	7.00
Molybdenum MoO ₃	7.00
Molybdenum MoS ₂	8.00
Nickel	7.50
Potassium	8.00
Silica insoluble	7.50
Silica fusion (total)	9.00
Sodium	8.00
Silver	6.50
Gold A.A.	7.00
Gold (fire)	7.50
Gold and Silver	10.50
Sulphur	10.00
Tellurium	15.00
Tin	11.00
Titanium	10.00
Tungsten	10.00
Uranium	12.00
Vanadium	10.00
Zinc	6.00
Zinc (non sulphide)	7.50

Sample Preparation 2.50
Over 10 lbs. 25¢ per lbs. will be added.

Minimum Charge is \$20.00

SAMPLE ENVELOPES AND ASSAY BAGS AND TICKETS

Special sample bags of 4" x 7" wet strength waterproof Kraft sample bags are available for coastal work and other geochemical samples at supplier's cost. Also available the usual size 3½" x 7" sample envelopes. Plastic bags of 8" x 13" and 12" x 18" 6 mil plastic are available for drill core rock samples, at cost.

SAMPLE STORAGE

Geochemical samples: The minus 80 mesh fraction of soils stream sediment and pulp of rock geochemical samples are stored free for six months. Rock geochemical rejects are discarded unless instructed otherwise. Beyond that arrangements should be made.

Assay pulps and rejects: All assay pulp retained for a period of 1 year and rejects for a period of 6 months.

When sending samples from outside of Canada mark the package "Mineral specimens for analysis — *no commercial value*".

FREE SAMPLE PICK UP SERVICE IN THE GREATER VANCOUVER AREA

P. Dean

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

GEOCHEMICAL ANALYSIS



ASSAYING



ENVIRONMENTAL CONTROL TESTING



RESEARCH

Geochemists — Chemists — Assayers — Analysts

(EFFECTIVE APRIL 1, 1980)

Office and Laboratories:

705 WEST 15TH STREET,
Corner 15th Street & Bewicke
NORTH VANCOUVER, B.C.
V7M 1T2

PHONE (604) 980-5814
(604) 988-4524

TELEX: 04-352828

FEE SCHEDULE

GEOCHEMICAL ANALYSIS

Soil, Sediment and Rock Samples

Element	Detection Limit	Price
Cadmium	0.1 ppm	\$1.75 / sample for the first element and \$0.75 for each additional element on the same sample solution.
Cobalt	1 ppm	
Copper	1 ppm	
Lead	2 ppm	
Manganese	5 ppm	
Molybdenum	1 ppm	
Nickel	1 ppm	
Silver	0.1 ppm	
Zinc	0.5 ppm	

Background corrections for these elements at no extra costs.

Antimony	2 ppm	\$3.50
Arsenic	1 ppm	2.75
Barium	5 ppm	4.00
Beryllium	2 ppm	4.50
Bismuth	5 ppm	3.00
Boron	1 ppm	5.00
Chlorine	2 ppm	4.75
Chromium	1 ppm	3.00
Copper (exchangeable)	0.5 ppm	1.80
Exchangeable Heavy Metals	0.5 ppm	1.80
Fluorine	2 ppm	4.25
Gold	10 ppb	4.25
Mercury	5 ppb	4.25
Iron (Sulphide)	2 ppm	2.75
Lithium	1 ppm	4.50
Selenium	1 ppm	9.00
Strontium	1 ppm	3.85
Tellurium	0.05 ppm	9.50
Tin	2 ppm	4.00
Tungsten	2 ppm	3.75
Uranium	0.5 ppm	3.75
Vanadium	2 ppm	3.75
pH on soils		1.50

Special tests and other elements by arrangements.

Spectrographic Analyses: 30 element semi-quantitative analysis — \$25.00 per sample. 60 elements — \$35.00.

Sample Preparation Charges

Soils and stream sediments \$0.60/sample
 Rock Geochem. 2.00/sample
 (Samples over 2 lb. 35¢ extra for each lb.)

OVER 2,000 SAMPLES
 FREE ADVISING ON ANY GEOCHEMICAL QUESTIONS BY J.J. BARAKSO

HYDROGEOCHEMICAL AND WATER QUALITY TESTING

Element	Detection Limit	Price
Antimony	10 ppb	\$3.75
Arsenic	5 ppb	4.50
Bismuth	20 ppb	4.00
Cadmium	2 ppb	3.00
Chloride	1 ppm	5.00
Cobalt	10 ppb	3.00
Chromium	10 ppb	3.50
Copper	3 ppb	3.25
	1 ppb	4.50
Fluoride	10 ppb	3.50
Lead	30 ppb	3.50
Lead	2 ppb	4.50
Mercury	0.2 ppb	5.50
Molybdenum	1 ppb	4.00
* " (ION Exchange)	0.2 ppb	5.00
Nickel	10 ppb	3.50
Phosphorus	1 ppm	6.00
Silver	10 ppb	3.75
Strontium	50 ppb	4.00
Sodium	5 ppb	3.00
Potassium	10 ppb	3.00
Magnesium	10 ppb	3.00
Calcium	25 ppb	3.00
Vanadium	100 ppb	3.50
Zinc	2 ppb	3.50
Sulfate SO ₄	2 ppm	5.00
Total Solids		5.00
pH		1.50
Uranium	0.2 ppb	4.00
Conductivity		1.50
Thorium	10 ppb	8.00

Note: 1.) Sample volume required for Geochemical testing is minimum 4 oz. (250 ml) and recommended to collect them in polyethylene bottles sealed with poly caps.

2.) Sample volume required for "water quality" testing — 2 liters.

* Consult with laboratory in sampling.

BIOGEOCHEMICAL SAMPLING

Biogeochemical analysis can be requested for any of the elements listed for soils, sediments and rock samples. Detection limits are same or better for the specified elements. Prices are the same as previously specified.

Preparation charges for biogeochem. \$5.00 per sample.

Lower detection limits can be provided for any of the elements sought in plants. Prices by arrangement.

It is suggested for any biogeochemical program consult with the laboratory and experienced chemists and geochemists can clear up many of the mysticisms.

FIELD KITS AND CHEMICALS

1. Hot fusion copper kit	\$210.00
2. Hot fusion molybdenum kit	210.00
3. Exchangeable copper (Holman) kit (500 Determ.)	200.00
4. Exchangeable heavy metal (Bloom) kit (500 Determ.)	200.00
5. Replacement chemicals for exchangeables	105.00
6. Tin Kit	325.00
7. Refill for hot fusion kit	125.00
8. Refill for tin kit	190.00
9. Arsenic kit	300.00
10. Zinc Spot Tests	25.00
11. Heavy mineral sample collector	110.00

For other field kits and field analytical equipment contact the laboratory.