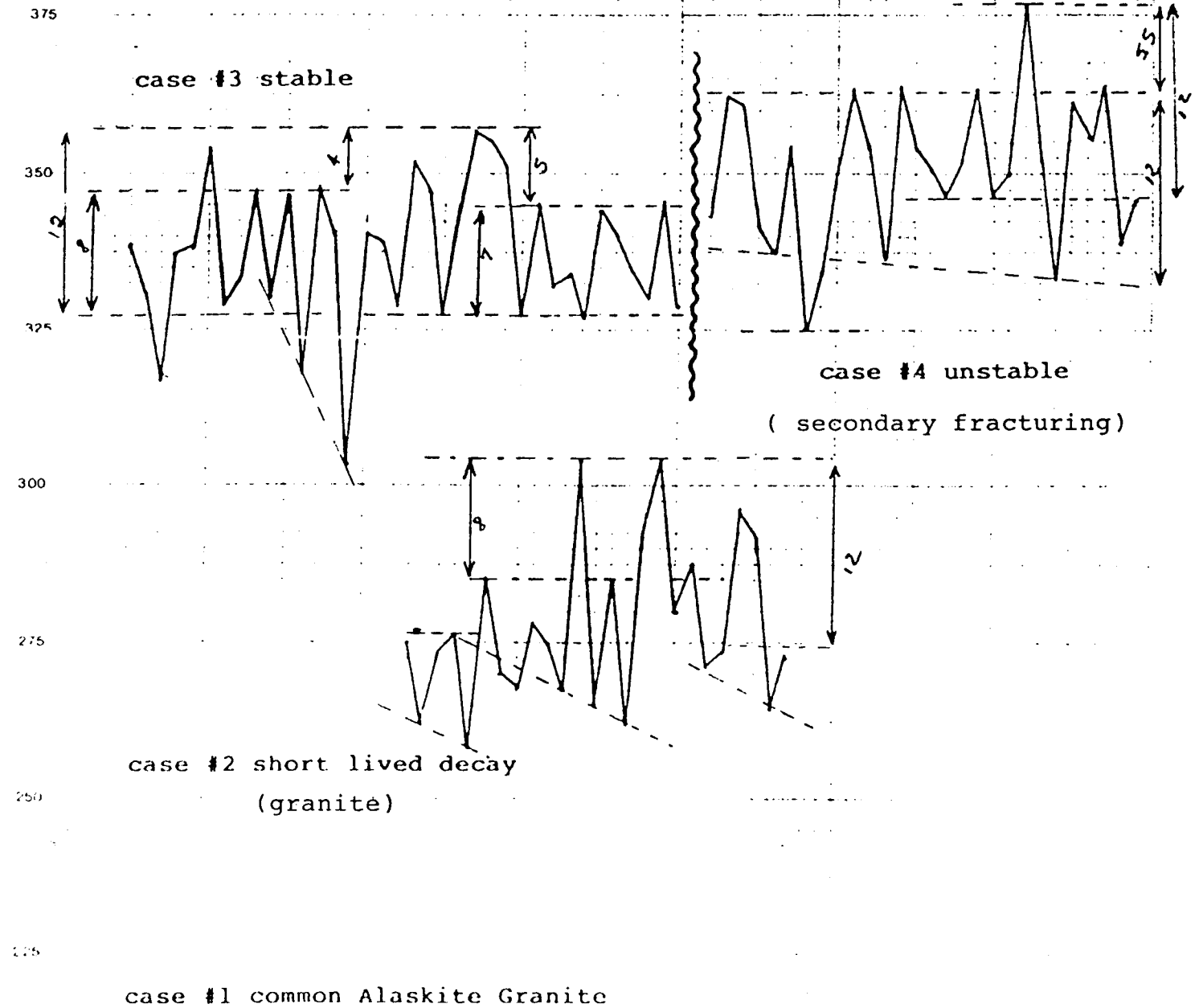


MOLY MAY EAST COMPOSITIONAL VARIATIONS

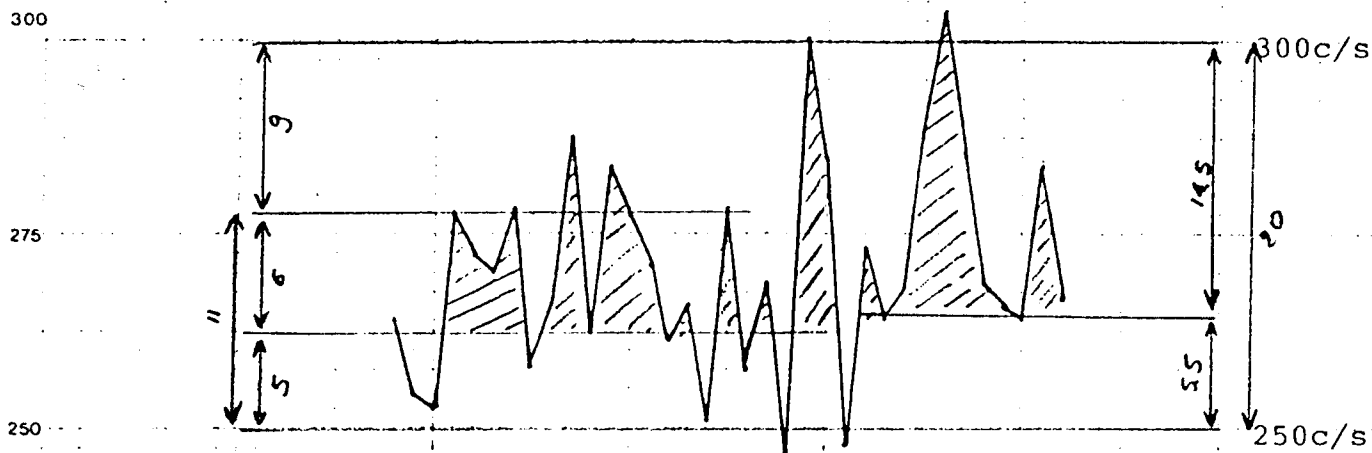
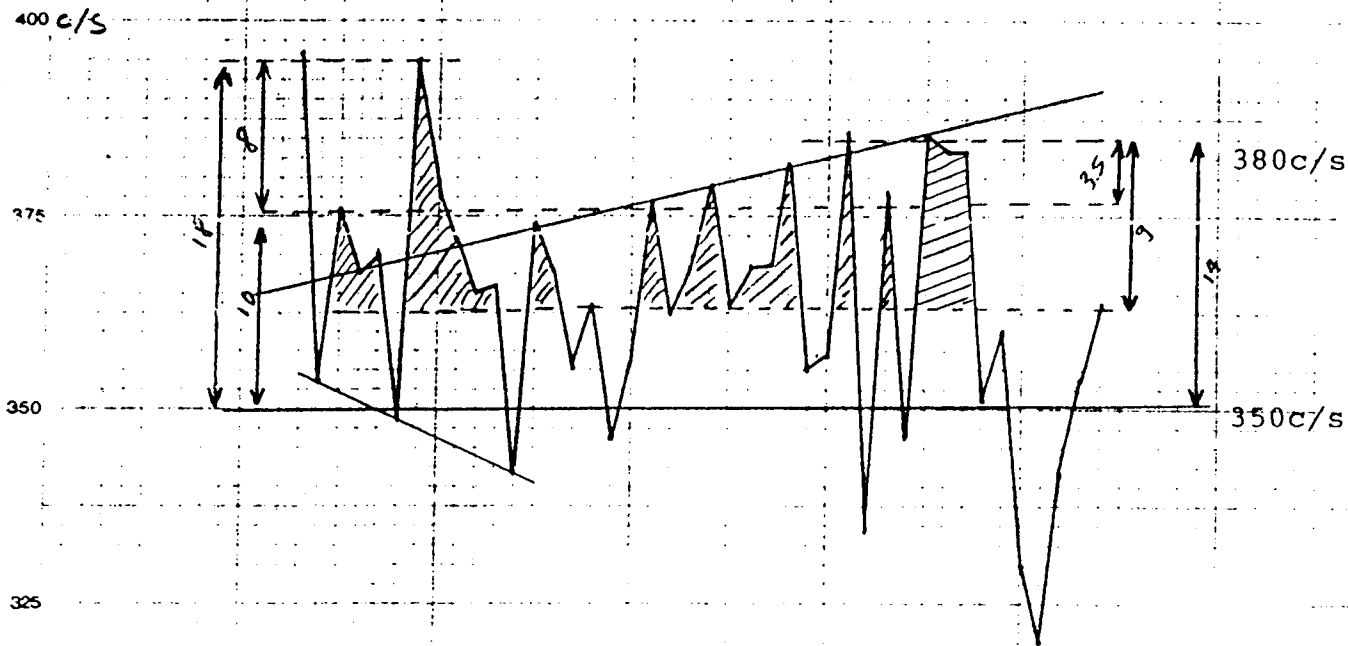


ALASKITE GRANITE SPECTRAL VARIATIONS

Fig. 09

MOLY MAY EAST GRANITE HOSTED MINERALIZATION

case # 6 molybdenite mineralization



case #5 pyrite with minor molybdenite

ALASKITE GRANITE SPECTRAL VARIATIONS

Fig. 09B

Time lapsed

200 00 10 20 30 40 50s

650c/s

MOLY MAY EAST

Surface Radiometric Traverses

Fig. 10

COUNTS PER MINUTE
SPREADSHEET
10/10/84

500

400

Threshold #2

Traverse #2

Threshold #1

Traverse #1

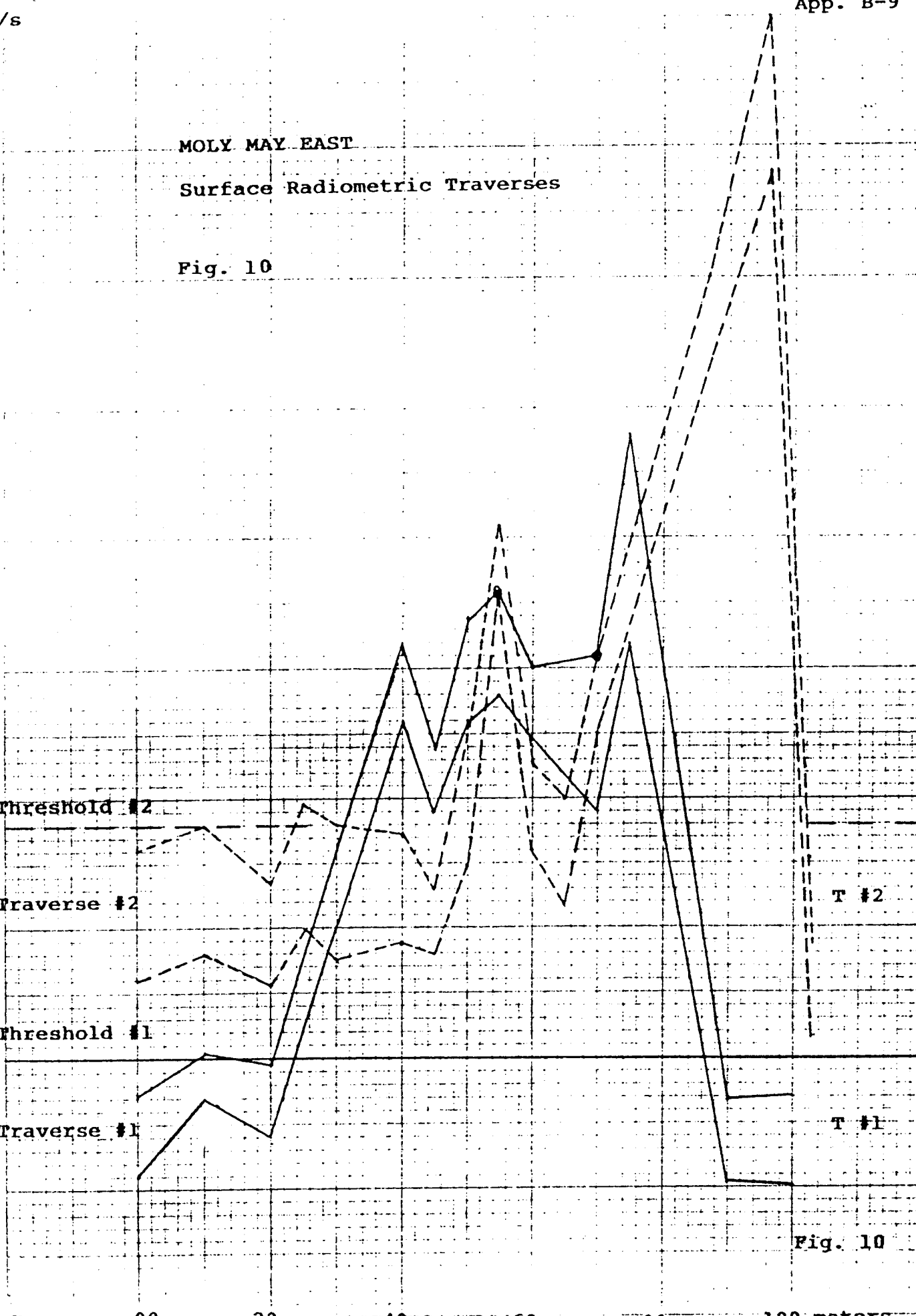
T #2

T #1

200

00 20 40 60 80 100 meters

Fig. 10



URANIUM DATA

SPECTRAL ANALYSIS MOLY MAY WEST, pegmatite granite (MoS₂) PAGE No. 4 OF 10

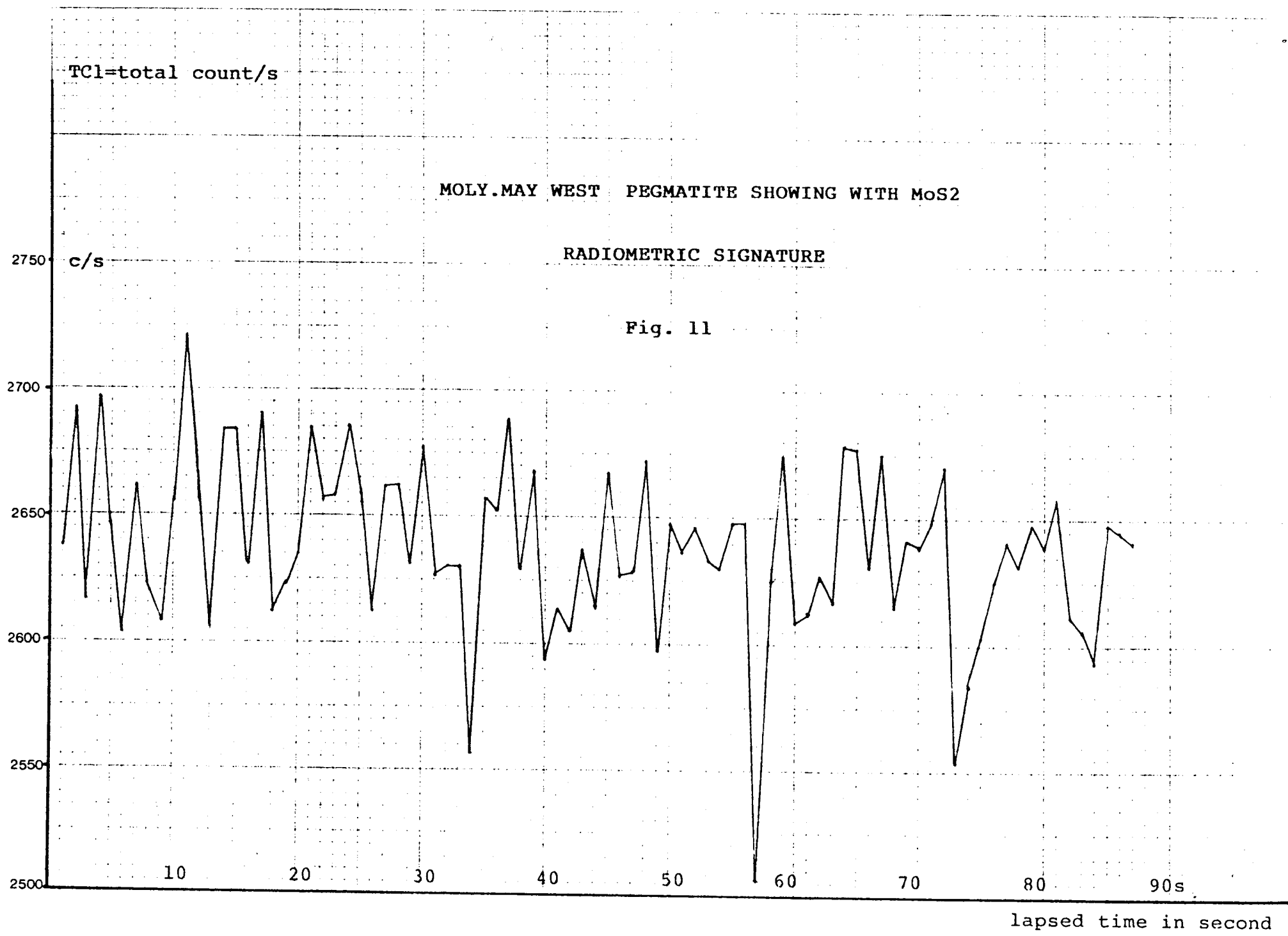
SCINTILLOMETER TYPE EDA #500/124cc NaI detector

TRAVERSE LOCATION 2400S 850E mineralized shear

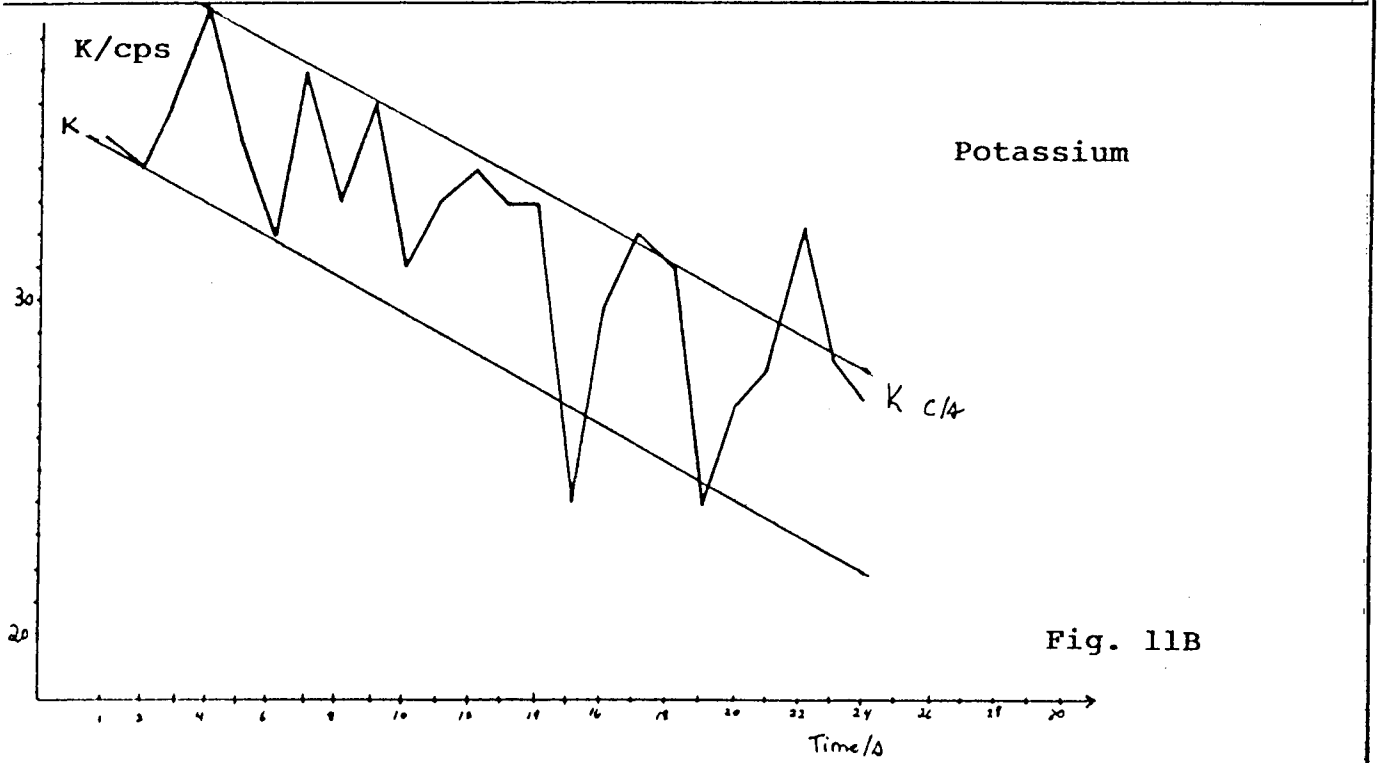
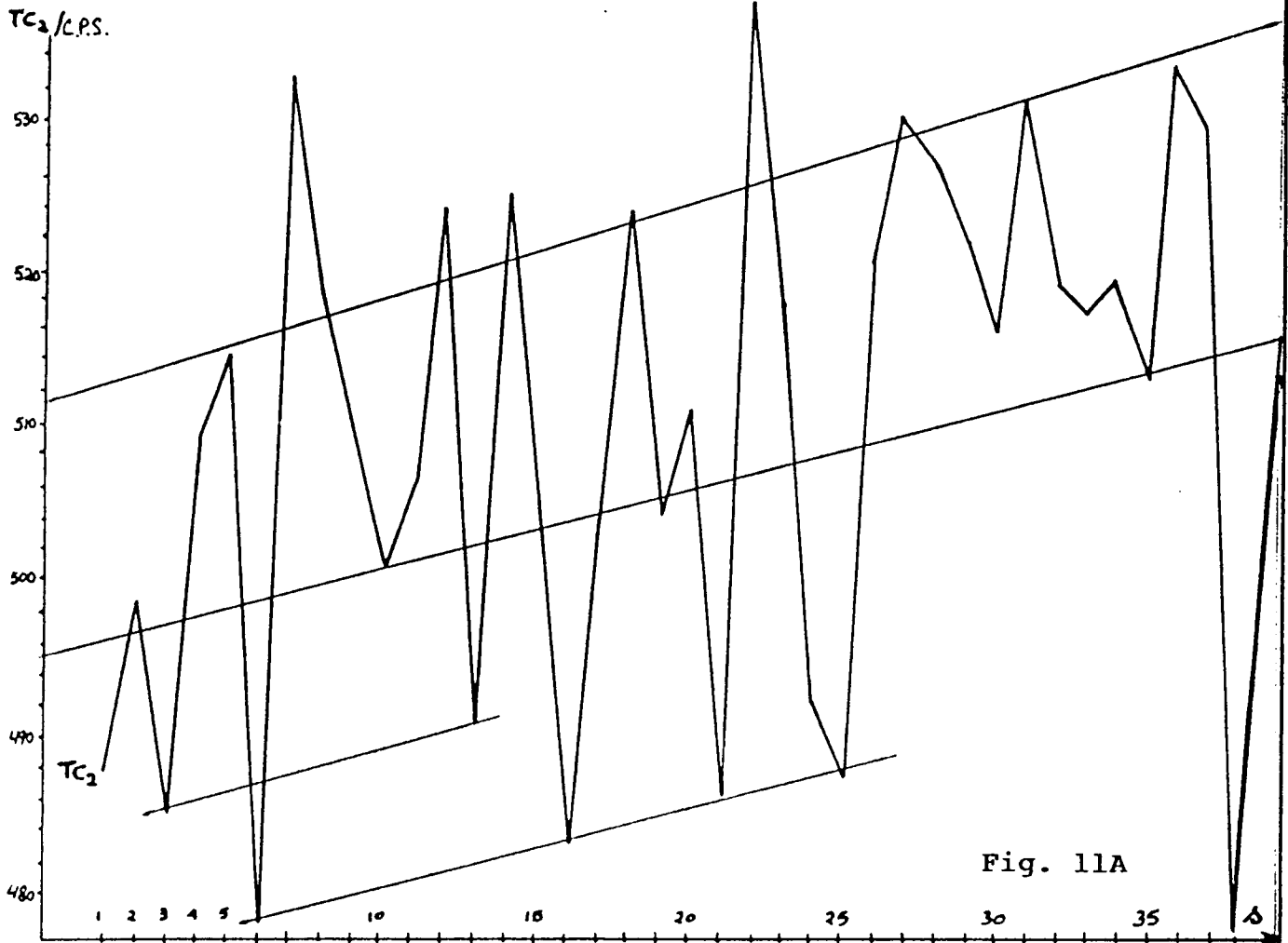
TIME SPAN 120s, 1c/s

DATE June 26, 1988

STATIONS	T.C.1	POTASSIUM	T.C.2
MODE			
	2638 2693 2617 2697 2647	35 34 36 39 35	488 497 485 507 515
	2604 2661 2623 2609 2656	32 37 33 36 31	478 533 517 510 501
	2722 2656 2606 2684 2684	33 34 33 35 24	507 524 491 525 505
	2631 2690 2612 2624 2635	30 30 34 24 27	489 504 524 504 511
	2685 2658 2659 2685 2659	28 32 28 27	486 570 578 492 487
	2613 2661 2662 2681 2676		521 520 527 522 516
	2627 2630 2690 2592 2656		571 519 517 519 513
	2653 2688 2690 2667 2594		533 529 477 515
	2613 2605 2657 2615 2667		
	2626 2687 2672 2598 2647		
	2636 2646 2634 2630 2648		
	2648 2506 2625 2674 2609		
	2613 2626 2616 2679 2677		
	2632 2675 2615 2641 2634		
	2649 2670 2553 2584 2603		
	2685 2690 2632 2648 2679		
	2657 2611 2666 2594 2645		
	2645 2642		



Potassium & TC2 Fluctuations



**GRS-500
Differential Spectrometer/Scintillometer**



Specifications

Detector	NaI(Tl) crystal and high stability photomultiplier tube with a mu-metal magnet shield. Volume 124cc (7.5 cu in). Mechanically ruggedized.
Resolution	Typically 8% FWHM in 2π Cs ¹³⁷ field.
Energy Thresholds	Switch selectable to:
TC ₁	Total Count above 0.08 MeV.
TC ₂	Total Count above 0.40 MeV.
K	All gamma energies between 1.35 and 1.59 MeV.
U	All gamma energies between 1.65 and 1.87 MeV.
T	All gamma energies between 2.45 and 2.79 MeV.
CAL	Measures Barium-133 photo peak at 0.352 MeV.
Energy Response Linearity	Less than 2% error from 0.3 to 3 MeV at 1000 cps.
Spectral Shift	Less than 1% from 1000 to 20,000 cps integrated over an energy interval from 80 keV to 1.5 MeV.
Deadtime	8 microsecond.
Display	Five digit ruggedized low temperature LCD. Displayed counts normalized to cps. Flashing count overflow and battery charge status indicators custom designed into display.
Sample Rate	1.0 or 10.0 seconds, auto recycle, for all energy levels, except for "CAL" position.
Calibration Source	Barium-133 (Ba ¹³³) Isotope. Rated activity 0.5 μ Ci.
Audio	
Type	High efficiency transducer coupled to an acoustic resonator.
Threshold	Continuous control. Audio activated when count rate exceeds preset level.
Response Range	0.5 seconds from 0 to 2500 cps. Frequency is 4 times actual displayed count rate. Range is from 0 to 5000 cps.
Power	Four alkaline "C" cells with an average continuous operation of 50 hours without audio at 23°C ambient temperature.
Battery Charge Monitor	Three bar indicators and charge status, linearly expressed in hours of operation remaining. When batteries are nearly discharged, a keyed audio alarm is activated, overriding the actual background count rate and a charge status triangle commences to flash.
Operating Temperature	-10°C to +60°C (+14°F to +140°F).
Relative Humidity	0 to 100%.
Weights and Dimensions	
Net	2.3kg (5.0lb), 235x115x640mm (9.25"x4.5"x2.5")
Shipping	3.2kg (7lb), 310x190x715mm (12.25"x7.5"x5.5").
Standard System Components	GRS-500 Differential Spectrometer/Scintillometer, Barium ¹³³ Test Source (installed), 8 "C" Cell Batteries, Leather Case, Shipping Case, Instruction Manual.

by recording a series of 10 second readings, preferably displaced laterally to provide both time and area averages. This technique is superior for most surveys to a single long term measurement.

As a general exploration tool, the GRS-500 provides a loud fully adjustable anomaly alarm. A special electronic circuit accentuates small anomalies and with a fast response time of 0.5 seconds, results in clear positive hands-free anomaly identification.

Unlike other current designs, the GRS-500 uses a custom designed five digit liquid crystal display (LCD), built for low temperature conditions and including a continuous battery condition monitor. Each reading, normalized to cps, is clearly visible and updates automatically.

Central to the design is a custom designed ruggedized high resolution NaI(Tl) detector coupled to photomultiplier tube. Found only in the EDA spectrometers, this special detector has 124cc (7.5 cu in) of geometrically optimized crystal volume, more than 50% greater than most units in the field today. The entire assembly is magnetically shielded and protected against thermal and mechanical shock.

Following the detector are nuclear grade high voltage power supplies, amplifier discriminators, and scalars. All sections are stable and drift free, and are mounted in a light weight aluminum housing positively sealed against moisture and dust. All controls are designed for user convenience and are protected by recessing into the housing. Included in a separate lead shielded recess is the Barium-133 source which is taken out only to adjust the amplifier gain for accurate calibration of the spectrometer. All elements of the design are mounted in a lightweight weather-proof cast aluminum housing. The unit comes complete with a detachable handle and all standard accessories and is fully warranted.

Carried by hand, on the operators belt or in a pack sack, the GRS-500 pro-

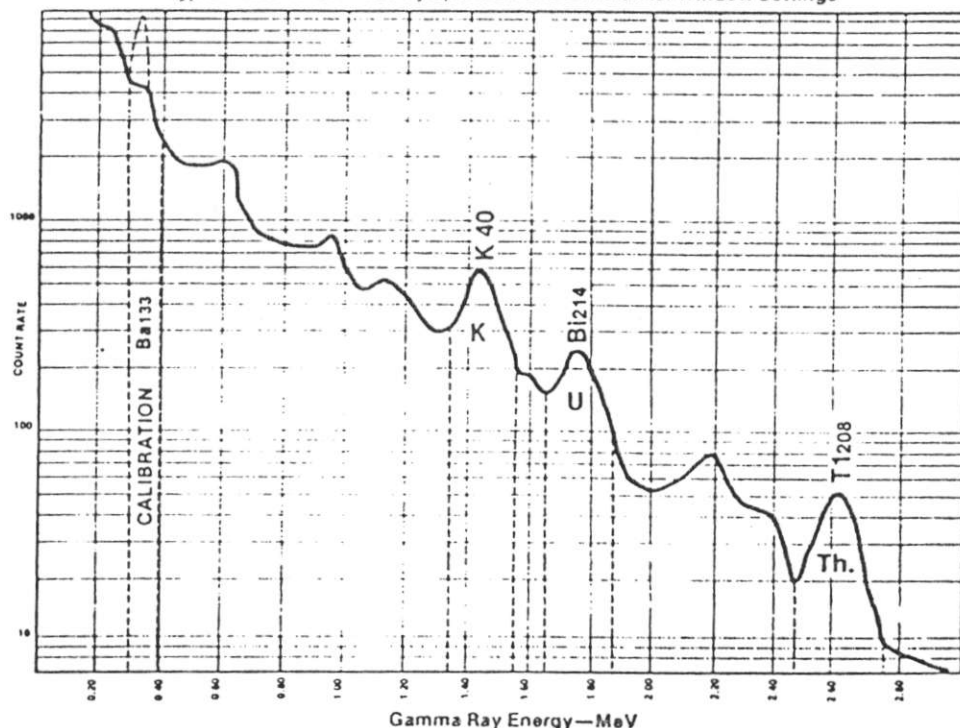
vides the explorationist with a superior instrument without compromise in convenience, sensitivity or quality.

Features

- Large 124 cc ruggedized NaI(Tl) detector.
- Five selectable energy thresholds included two for total count scintillometry.
- Custom five digit liquid crystal display (LCD) with count overflow indicator. Excellent visibility in direct sunlight.
- Continuous battery capacity indicator.
- Loud anomaly alarm.
- Simplified functions.
- Barium¹³³ calibration source.
- Two sample rates 1 or 10 seconds, auto recycling.
- 60 hours continuous operation on one set of 4 "C" cells.
- Audio alarm and LCD display activates when batteries need replacement.
- Light weight cast aluminum case sealed against moisture.
- Ease of calibration and gain adjustment.
- Optional Rate meter output.



Typical Natural Gamma Ray Spectrum and Differential Window Settings



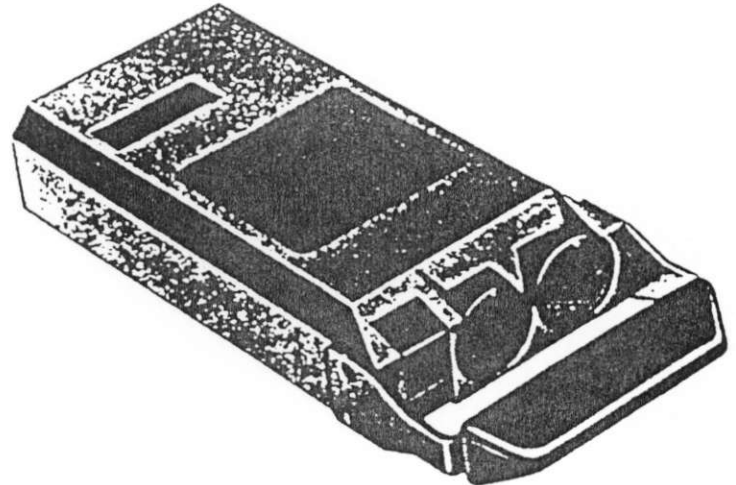
ORTEC

UG-130 'MINISCINT'

PORTABLE THRESHOLD GAMMA RAY SCINTILLOMETER

FEATURES

- COMPACT SIZE AND LIGHTWEIGHT 8 x 4 x 2 IN.
21 x 11 x 5 CM. — 3.3 LBS. 1.5 kg.
- LARGE INTERNAL NaI (TI) DETECTOR — 4.0 cubic INCHES (66 cc)
- WATERPROOF OPERATION
- RUGGEDIZED ALUMINUM CAST FRAME WITH WATER SEALED CONTROLS
- AUDIO ALARM PROPORTIONAL TO COUNT RATE WITH THRESHOLD SETTING
- VARIABLE SAMPLE RATE ON ALL FIVE CHANNELS OF ENERGY LEVELS
- WIDE DYNAMIC RANGE 1 TO 35000 CPS DIRECTLY DISPLAYED ON 5 DIGIT LCD
- OPTIONAL ANALOG OUTPUT



The Model UG-130 Miniscint is a high performance integrating Scintillometer measuring all Gamma Radiation above five selectable energy levels, and includes dedicated features for uranium reconnaissance prospecting.

The unit is ideally suited for rapid reconnaissance prospecting as well as ground follow up of airborne radiometric surveys, geological mapping, and detailed ground radiometric surveys. The leather holster with belt clips allows convenient hands free operation. Alternatively, the unit can be carried by shoulder strap or operated independently in a packsack. The unit is sufficiently small to be conveniently carried in any briefcase for the convenience of the travelling prospector.

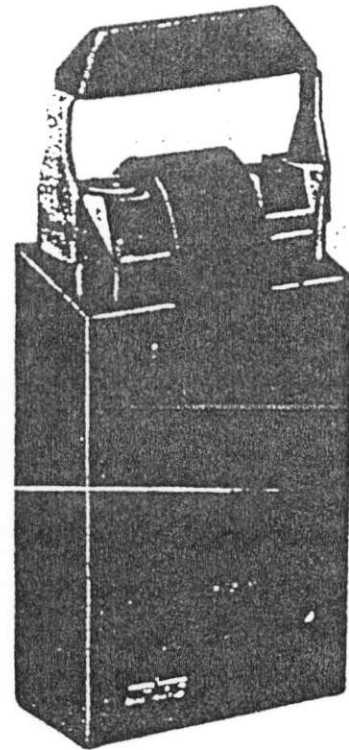
The 'Miniscint' is designed as a compact field instrument featuring simplified field operation with increased detection power. The units' ruggedness is derived from a single piece aluminum cast frame with sealed controls, allowing operation under extreme environmental conditions. The unit is waterproof and can be safely operated in the rain or in high humidity environments.

A specially designed NaI (TI) crystal detector with a volume of 4.0 cubic inches, (66cc) is utilized providing greater detection power than conventional units. The detector is mechanically ruggedized.

The audio may be operated in a continuous mode or at a selectable preset count rate. The audio gives a frequency response 5 times the actual count rate in CPS (counts per second). This feature allows for a faster audio response to low intensity anomalies.

All selectable energy channels may be sampled at one or ten second continuous time intervals. The count rate displayed is normalized to CPS, regardless of sampling period and is displayed on a ruggedized 5 digit liquid crystal display. Readings are displayed continuously until automatically updated by next reading.

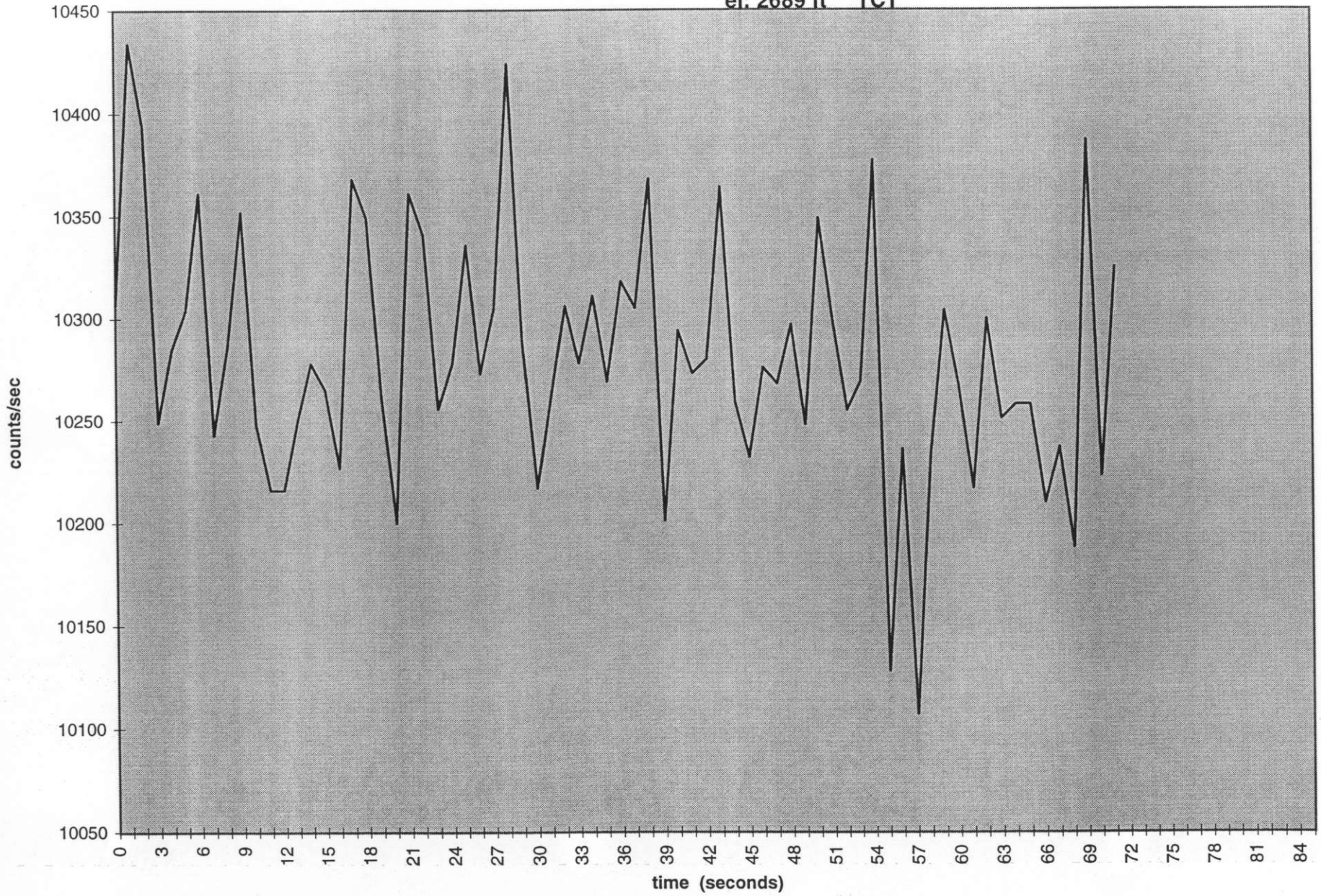
A unique calibration technique has been incorporated eliminating a separate calibration source.



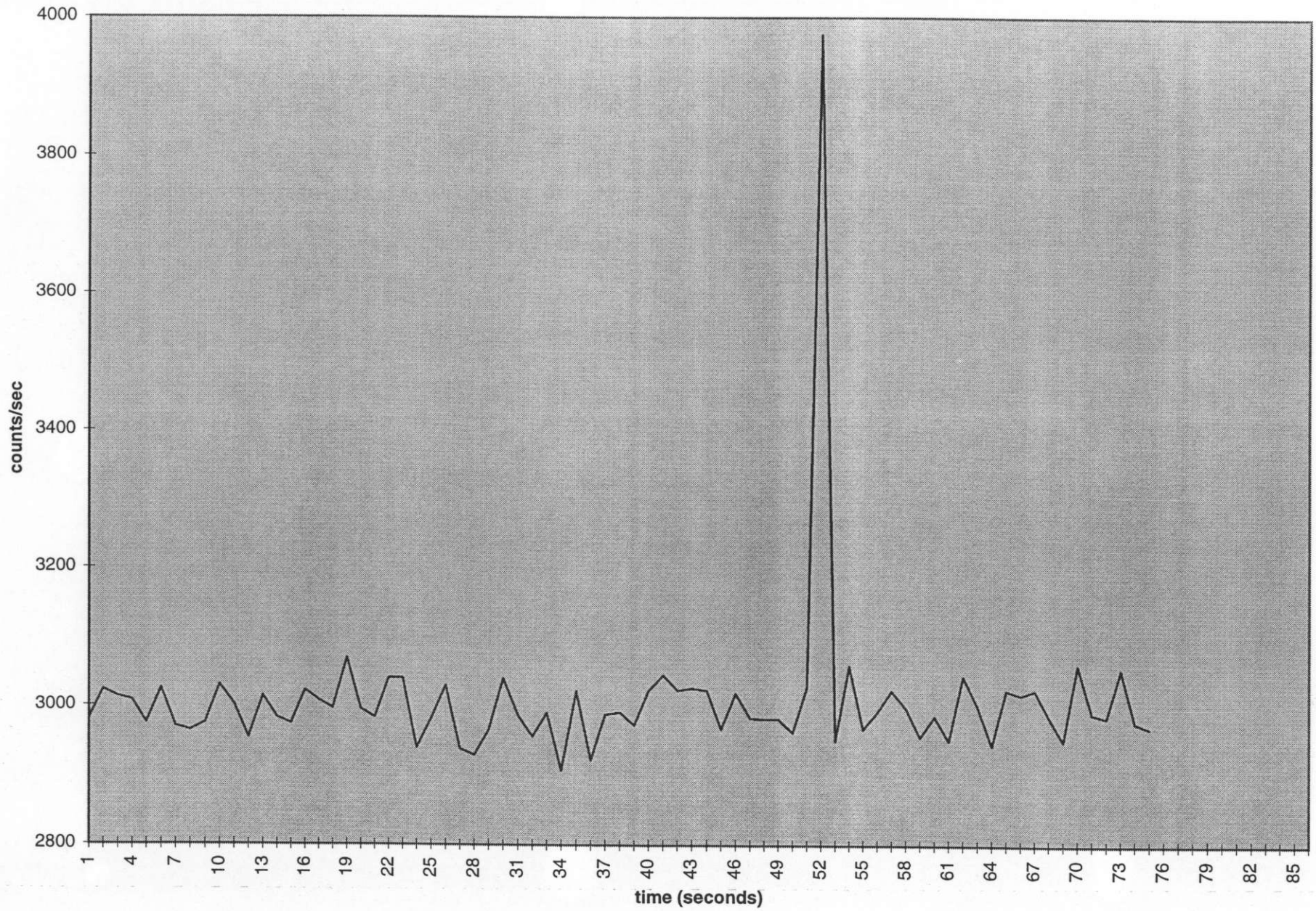
The 'Miniscint' can be operated in two different total count modes or in a threshold mode for measurements of Uranium (214 Bi) Potassium (40 K) or Thorium (208Tl). See spectral graph.

The unit is supplied with a built in calibration source, carrying handle, rugged leather case with shoulder strap and belt clip, batteries, operations manual and reusable shipping container.

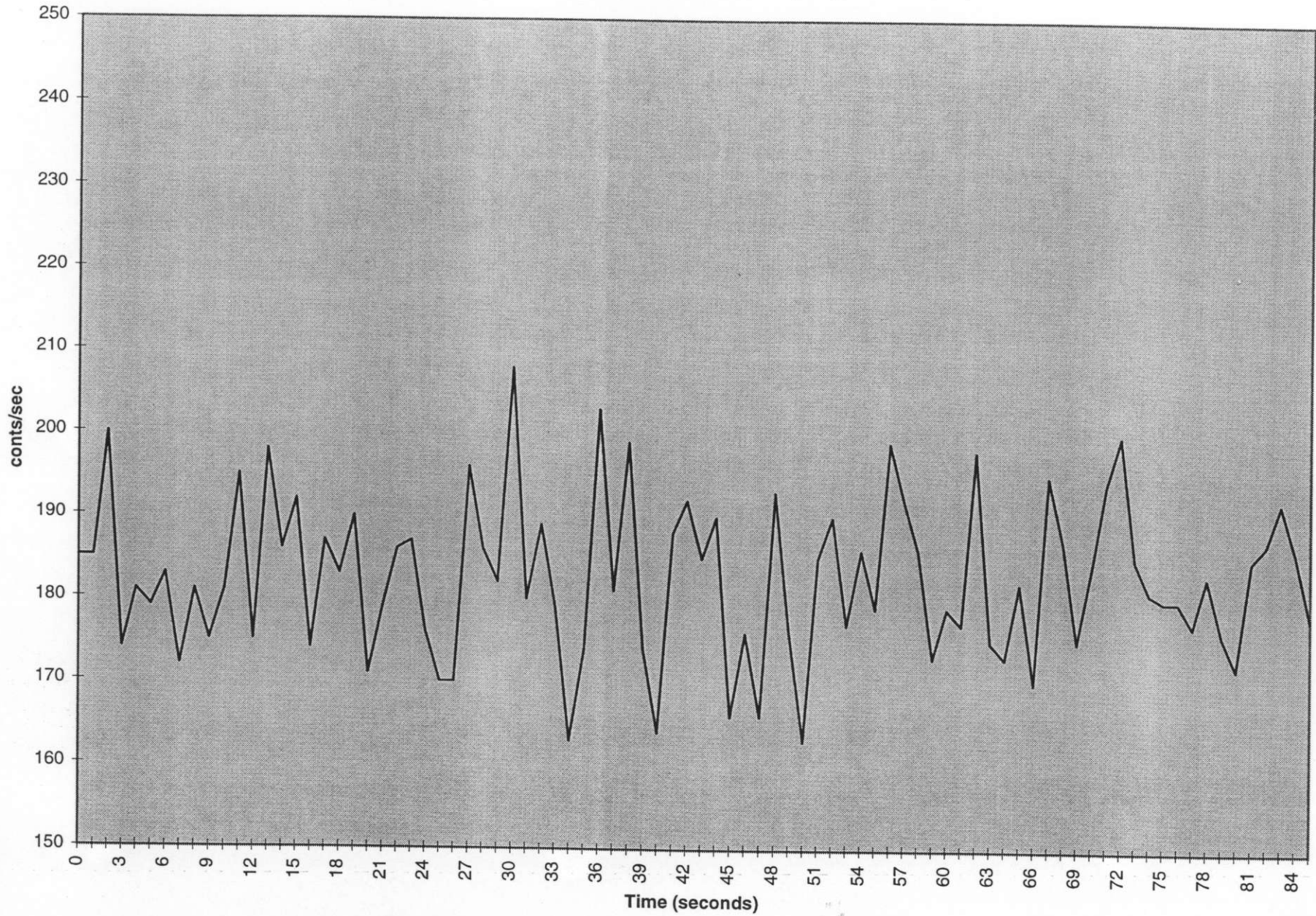
Moly May
Radiometric Sampling
el: 2689 ft TC1



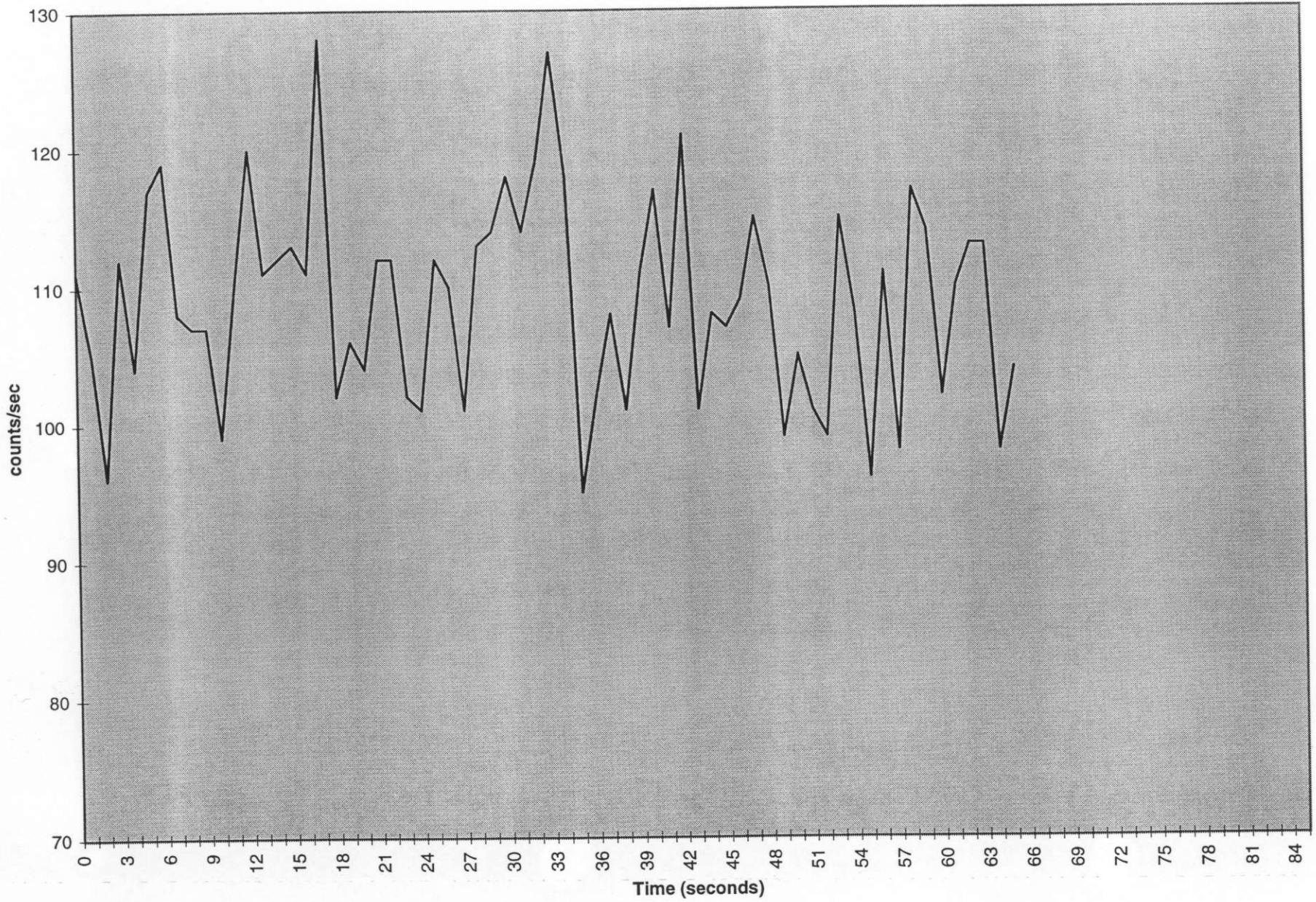
Moly May
Radiometric Sampling el: 2689ft, TC2



Moly May
Radiometric Sampling el: 2689 ft, K

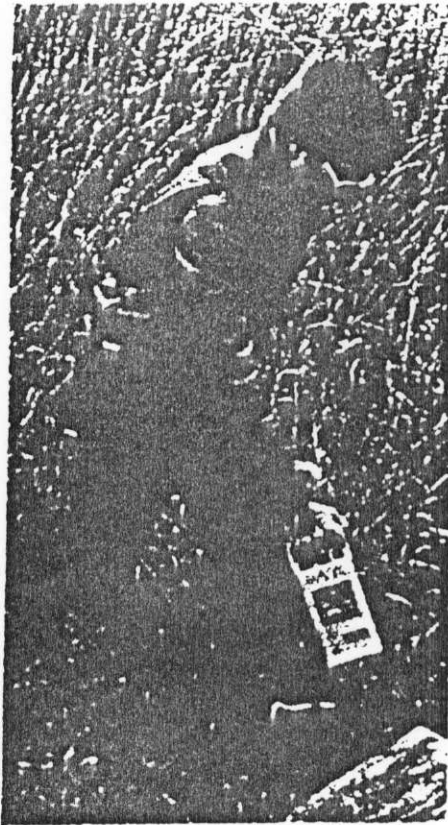


Moly May
Radiometric Sampling el: 2689ft, U

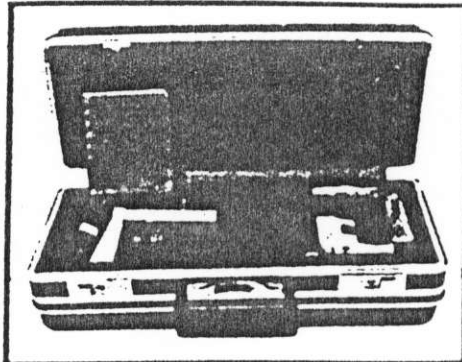


THE URTEC MODEL UG-130 "MINISCINT"

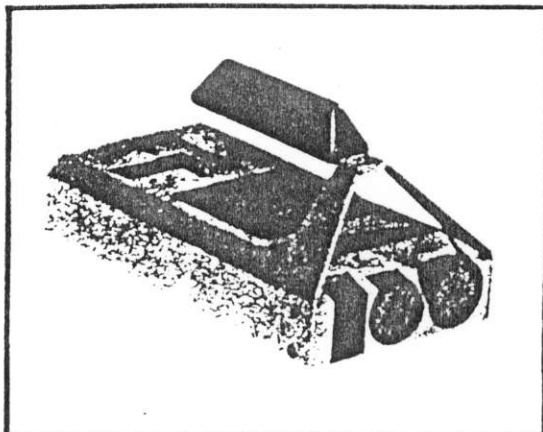
SPECIFICATIONS: SCINTILLOMETER, URTEC MODEL UG-130



FIELD OPERATION



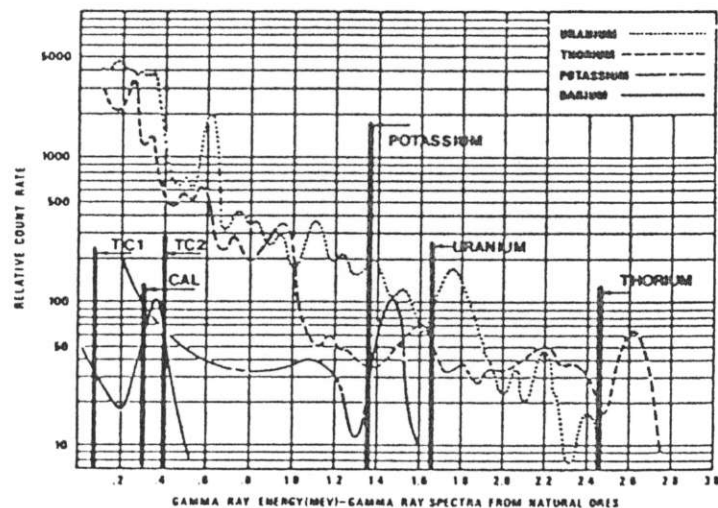
SHIPPING CASE

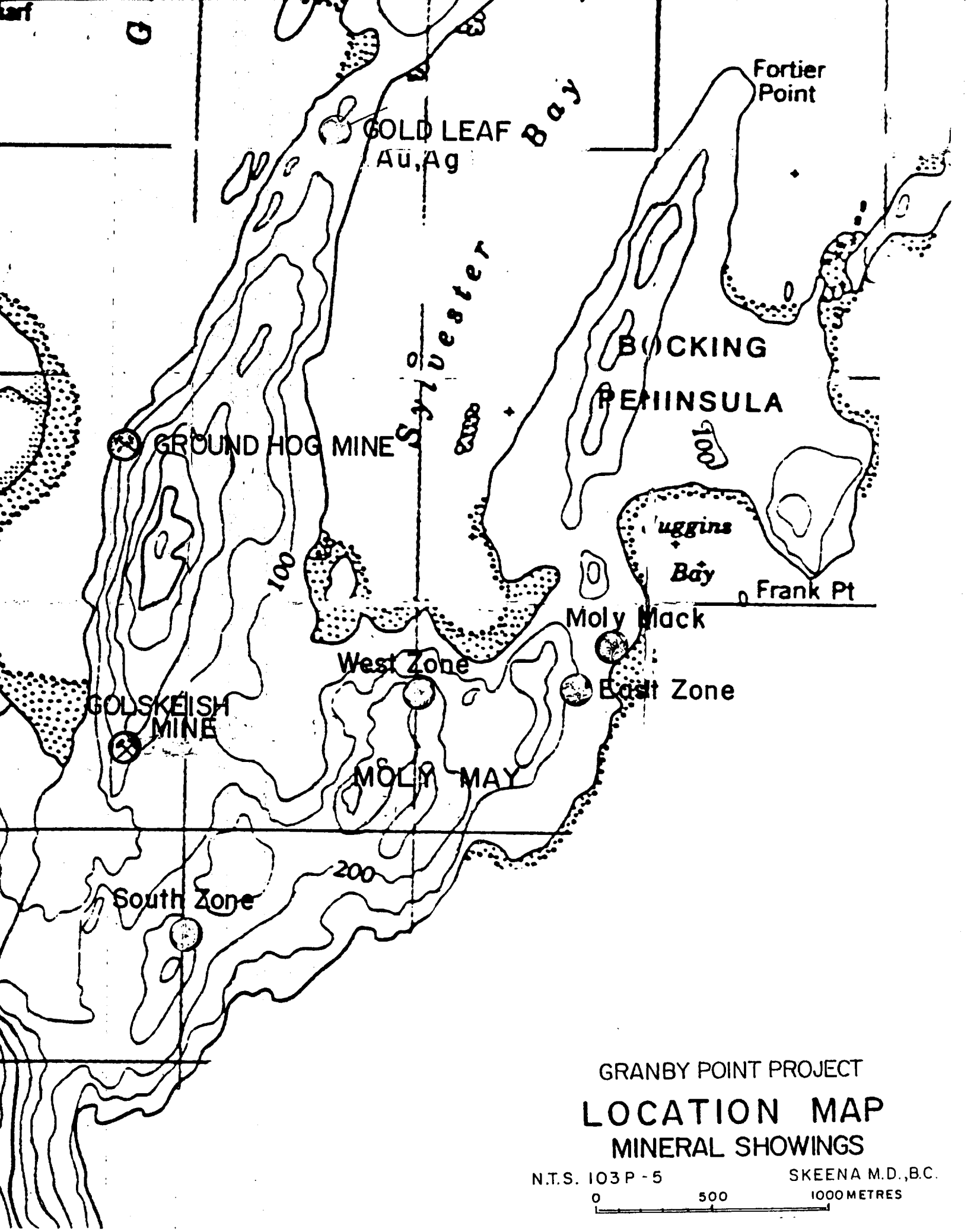


OPTIONAL HANDLE SUPPLIED

- | | | |
|--|---|--|
| Selectable Energy Levels | <ul style="list-style-type: none"> - Calibration - Total Count I - Total Count II - Potassium - Uranium - Thorium | <ul style="list-style-type: none"> - All energy above 0.30 MEV - All energy above 0.08 MEV - All energy above 0.40 MEV - All energy above 1.36 MEV - All energy above 1.66 MEV - All energy above 2.46 MEV |
| Detector | - NaI (Tl) crystal, volume 4.0 cu. inches (66 c.c.) mechanically ruggedized. | |
| Spectral Shift as a function of count rate | - 3% or less from 0- to 15000 CPS | |
| Energy Response Linearity error | - less than 2% | |
| Visual Display | - Ruggedized five digit liquid crystal display | |
| Display Overflow | - When counts exceeds 99999, two dots will indicate count rate overflow | |
| Sample Rate | - 1.0 or 10.0 seconds continuous, for all energy levels | |
| Power | - Three "C" size alkaline batteries provide 40 hours normal operation | |
| Battery Test Monitor | - Battery test status can be monitored. When batteries are nearly discharged, keyed audio alarm is activated, overriding count rate audio. | |
| Audio | - The count rate may be monitored in either the continuous mode or selectable count rate threshold mode. | |
| Audio Time Response | - 0.5 seconds from 0 to 2500 CPS | |
| Temperature Range | - Minus 25°C to plus 60°C. | |
| Dimensions & Weight | - 21 cm (8.3 in.) long 11 cm (4.2 in.) wide, 5. cm (2.0 in.) high weight 1.5 kg - (3.31 lbs) includes batteries and handle | |
| Rate Meter Output (optional) | - 100 mV/100 CPS, available through a miniature connector | |
| Calibration | - Switch selectable using self contained Ba 133 ISOTOPE. | |

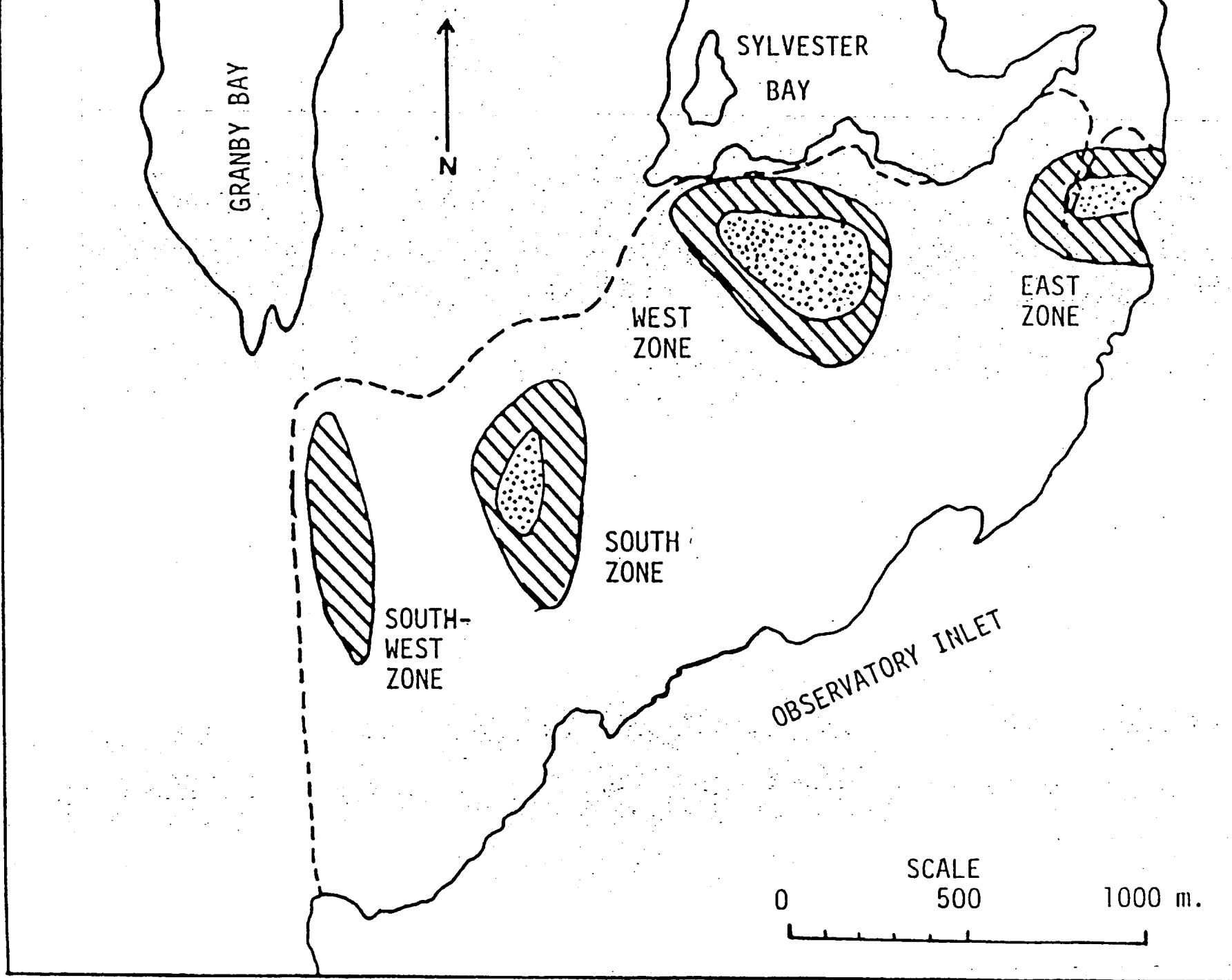
SCINTILLOMETER, URTEC, MODEL UG-130, MINISCINT







GRANBY POINT PROJECT
LOCATION MAP
MINERAL SHOWINGS

N.T.S. 103 P - 5 SKEENA M.D., B.C.
0 500 1000 METRES



 Molybdenite and/or pyrite-gold mineralized zones

 Area of abundant high-grade showings



ANYOX, B.C.
103P / 5W

REGIONAL GEOLOGY
B.C. bulletin 63
E.W.GROVE



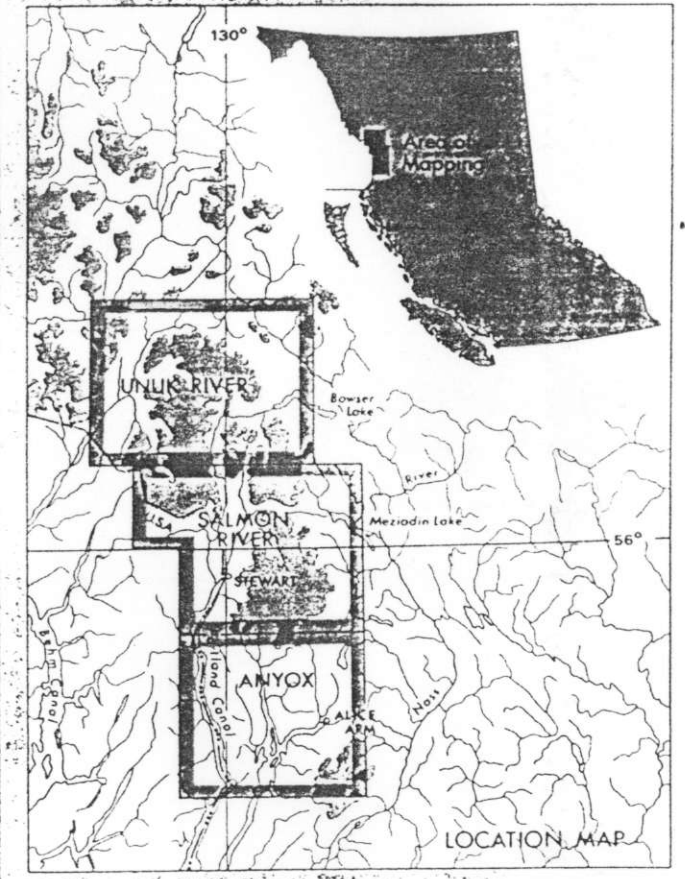
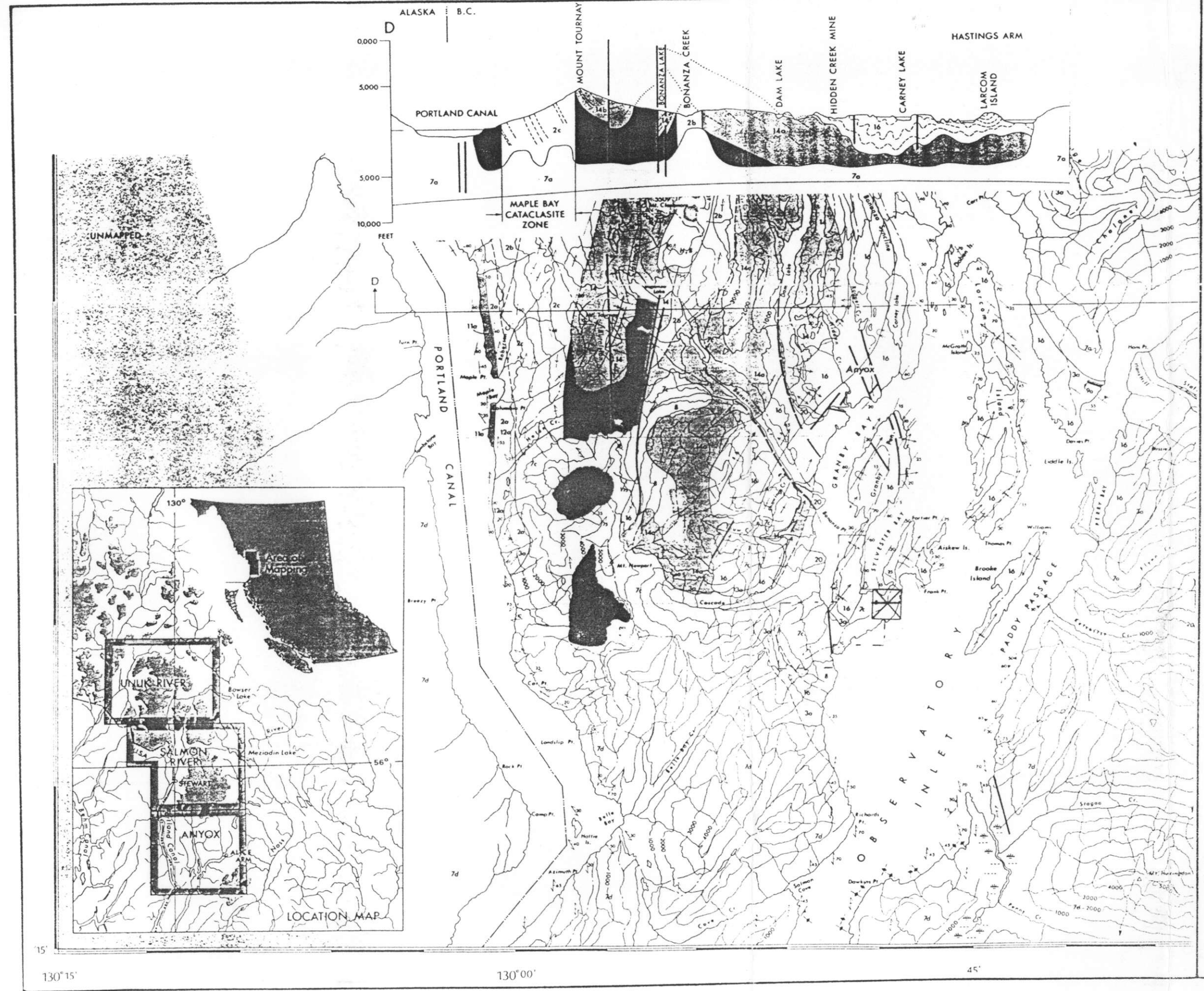
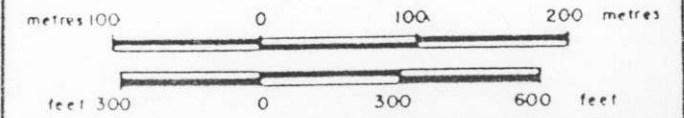
-  MOLY MAY property
-  Exploration area

Fig. 01A

Scale 1:5000

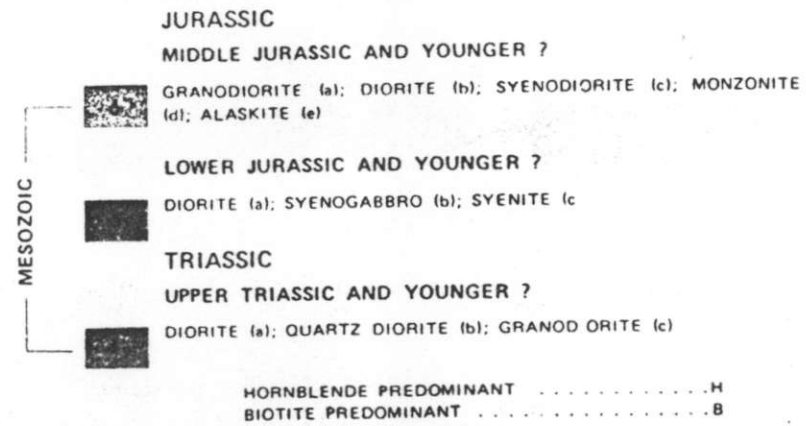


15'

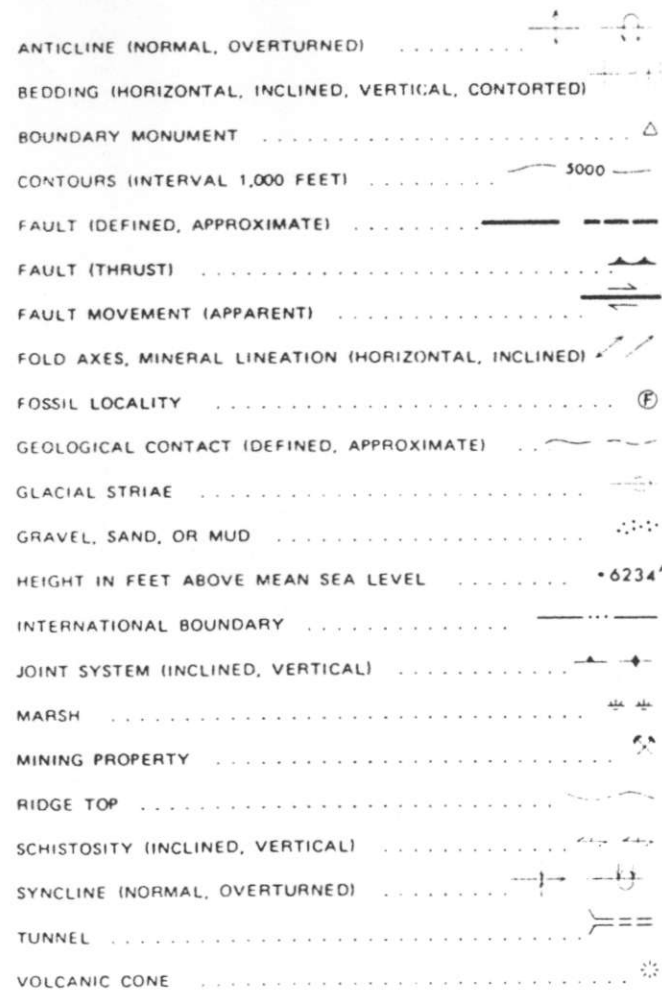
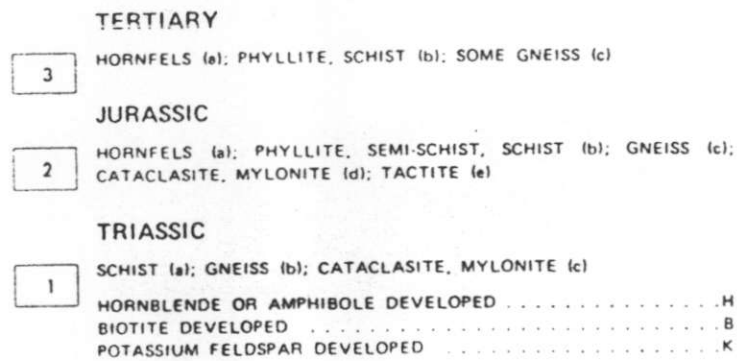
130° 15'

130° 00'

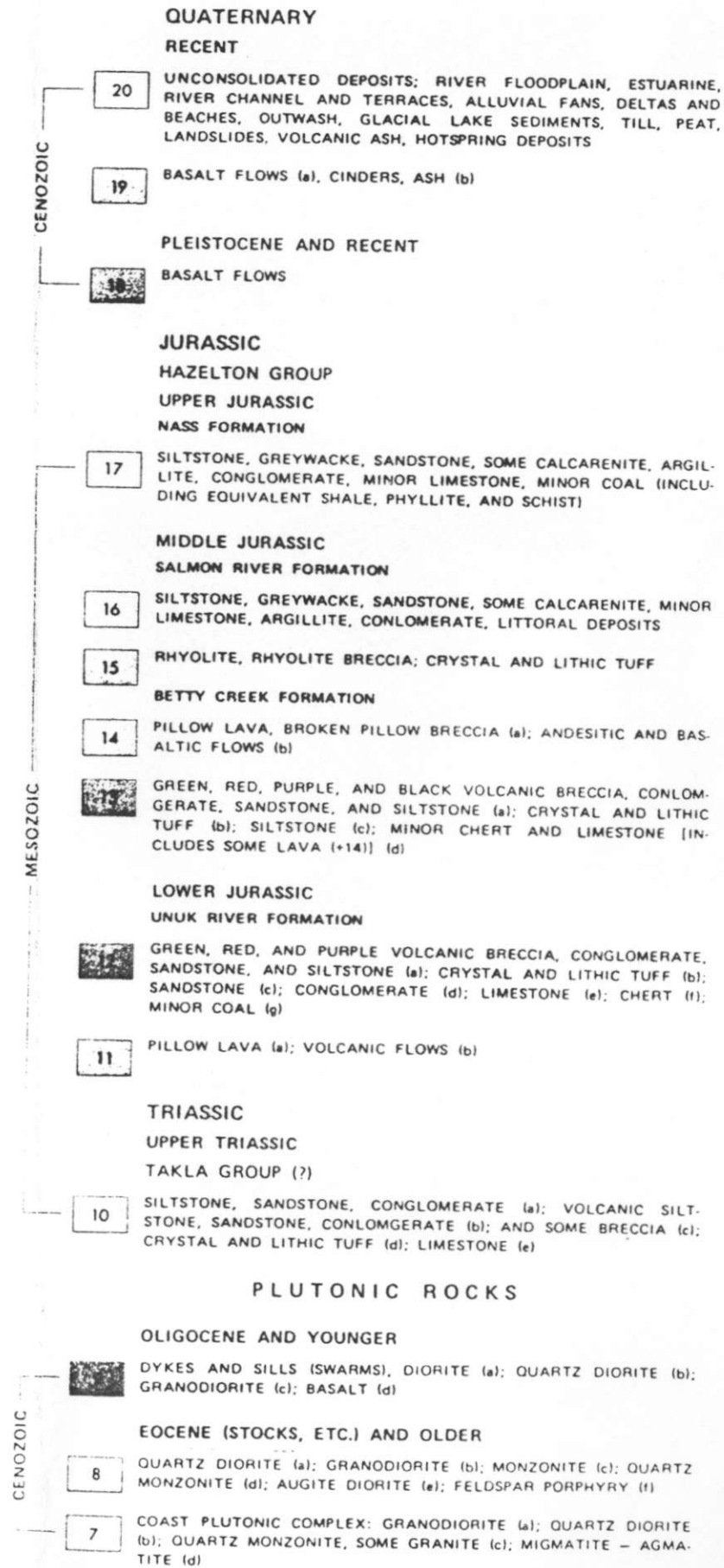
45'



METAMORPHIC ROCKS



SEDIMENTARY AND VOLCANIC ROCKS

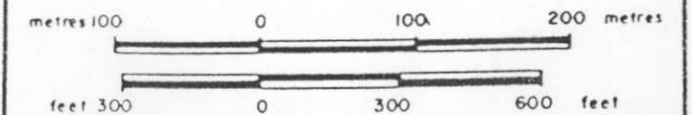


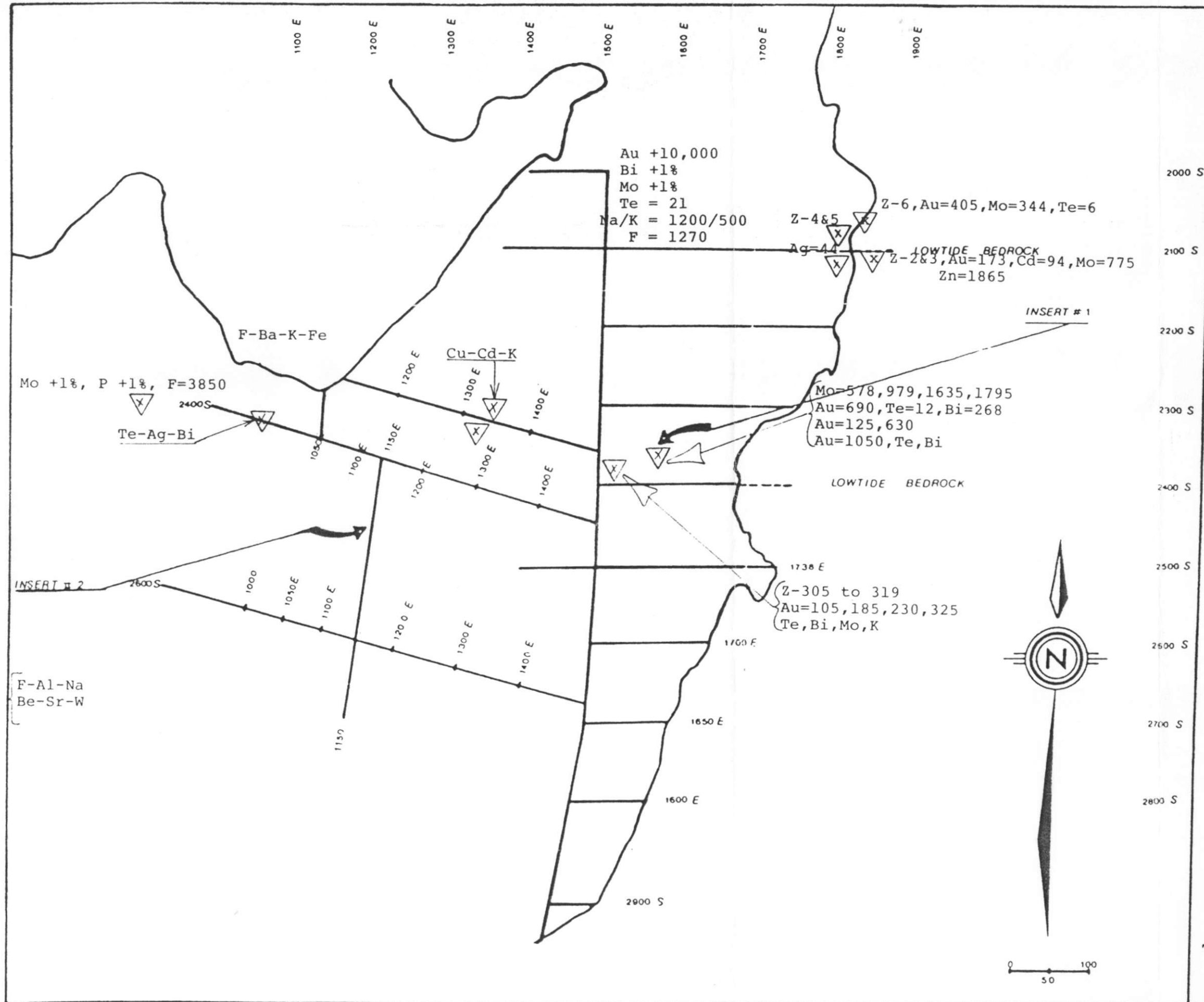
ANYOX, B.C.
103P / 5W

REGIONAL GEOLOGY
B.C. bulletin 63
GEOLOGICAL UNITS
E.W. GROVE

Fig. 01A

Scale 1:5,000





MOLY MAY PROPERTY
 ANYOX, B.C.
 103P/SW

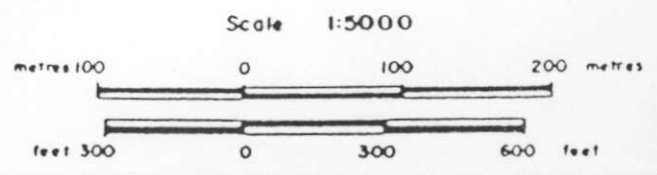
ROCK LITHOGEOCHEMISTRY

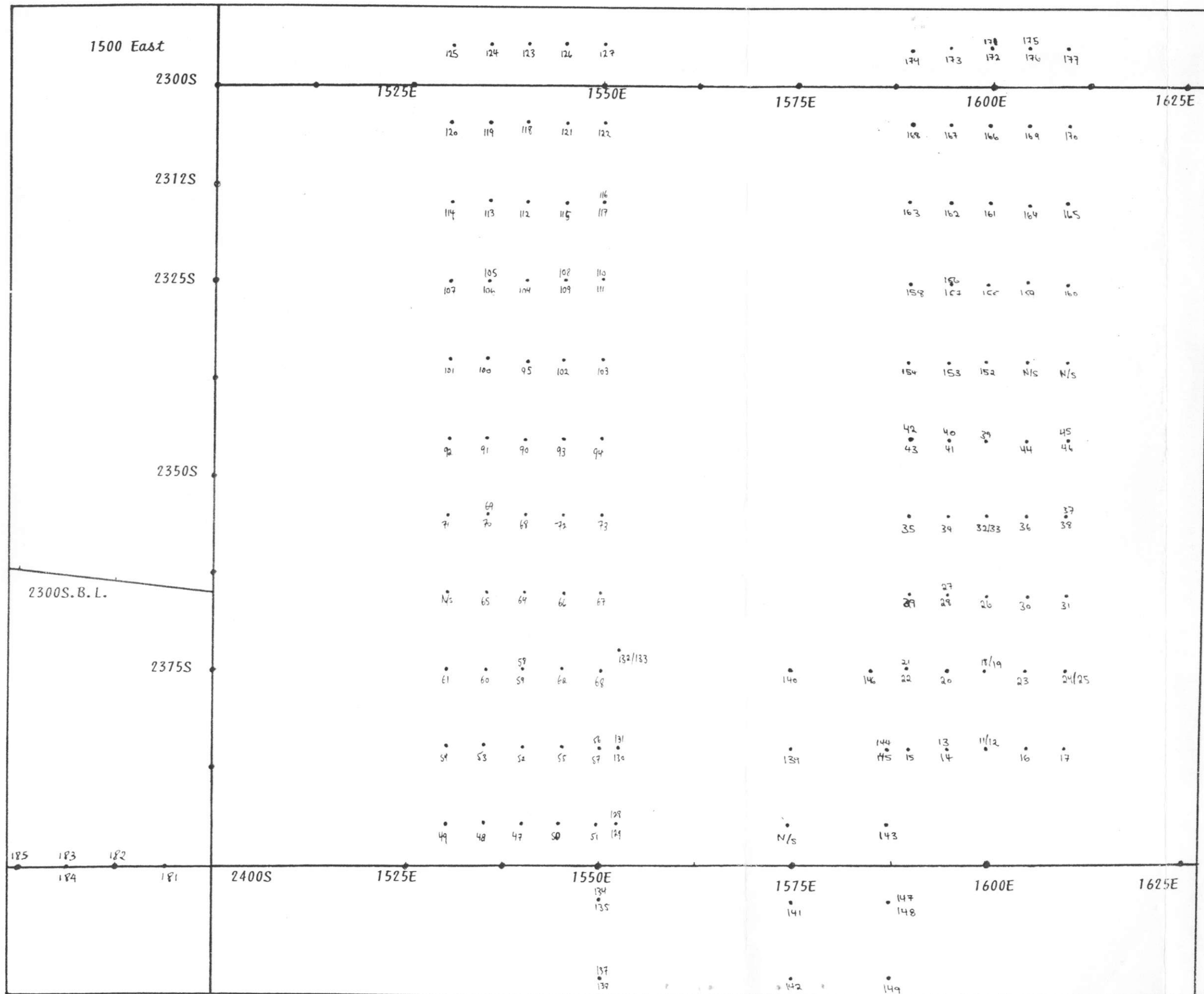
Au + 50ppb
 other values in ppm

- blasting area, pits location
- × rock sample location
- soil grid on inserts #1 & 2
- └ location grid



Fig. 04B





MOLY MAY PROPERTY
 ANYOX, B.C.
 103P/5W

INSERT #1

GLEYSOLIC SOILS
 SAMPLES LOCATION

- 5m centre, 10m spacing
- 12.5m centre, 100m line

Fig. 06A
 Scale 1:1000

