

ASSESSMENT REPORT
ON THE
GEOLOGICAL, GEOCHEMICAL &
GEOPHYSICAL SURVEYS
Conducted on the
MM1, MM4, MM5, Cot 1, Jess 2
In The
CARIBOO MINING DIVISION

NTS: 93G/1W
Latitude 53 15' N
Longitude 122 20'W

CLAIMS OWNED
AND OPERATED BY
FIRST NUCLEAR CORPORATION

Report By: JAMES P. STEWART B.Sc. (Hons)

June 30, 1982

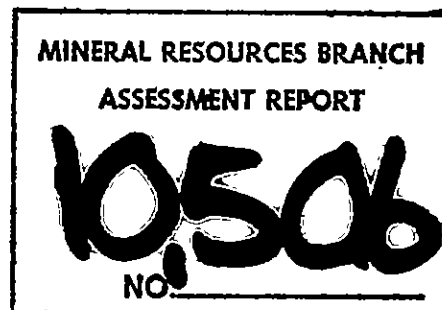


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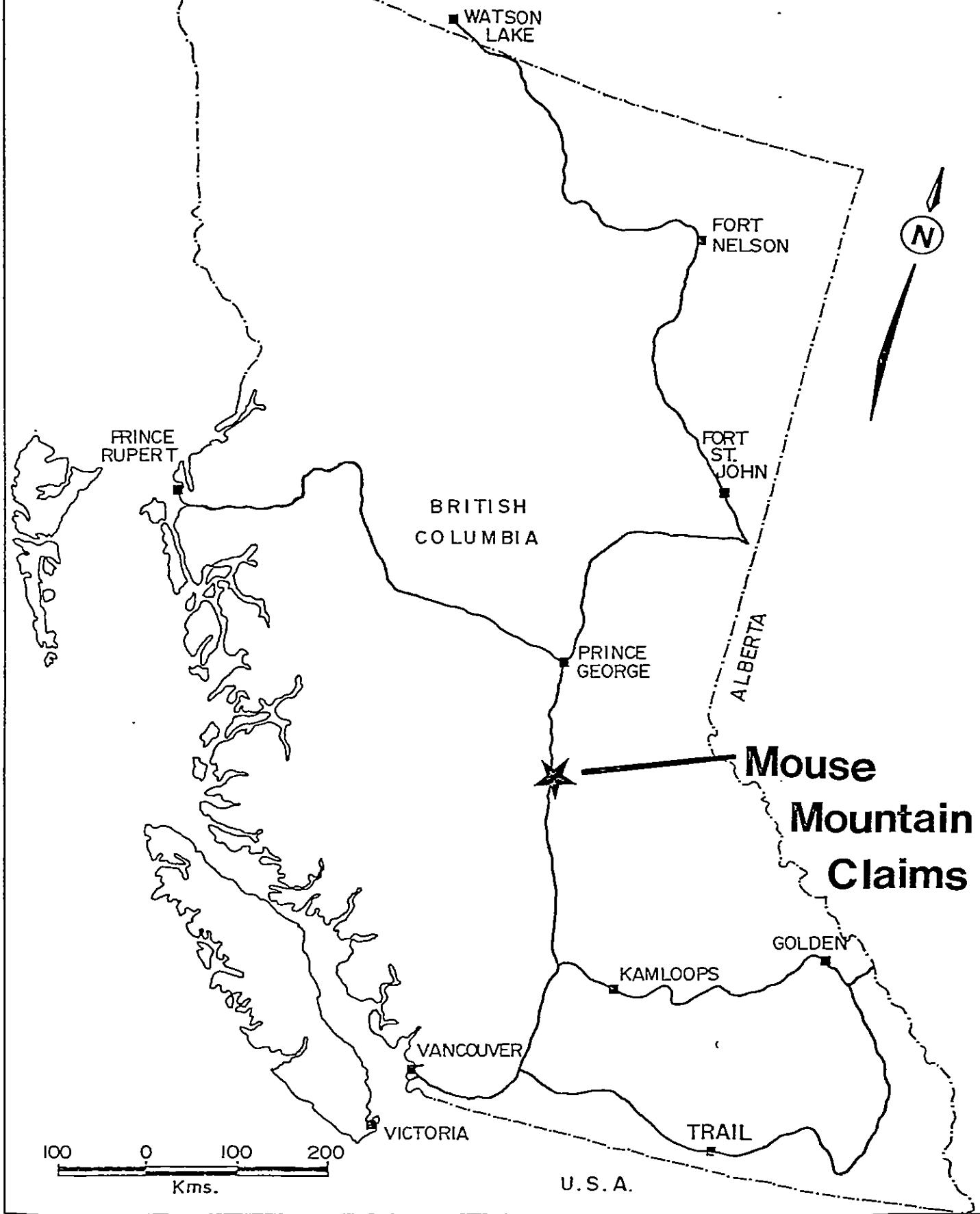
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YUKON TERRITORY



PRINCE RUPERT

BRITISH COLUMBIA

WATSON LAKE

FORT NELSON

FORT ST. JOHN

PRINCE GEORGE

ALBERTA

Mouse Mountain Claims

GOLDEN

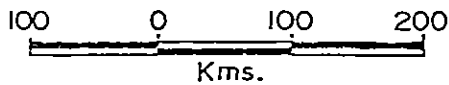
KAMLOOPS

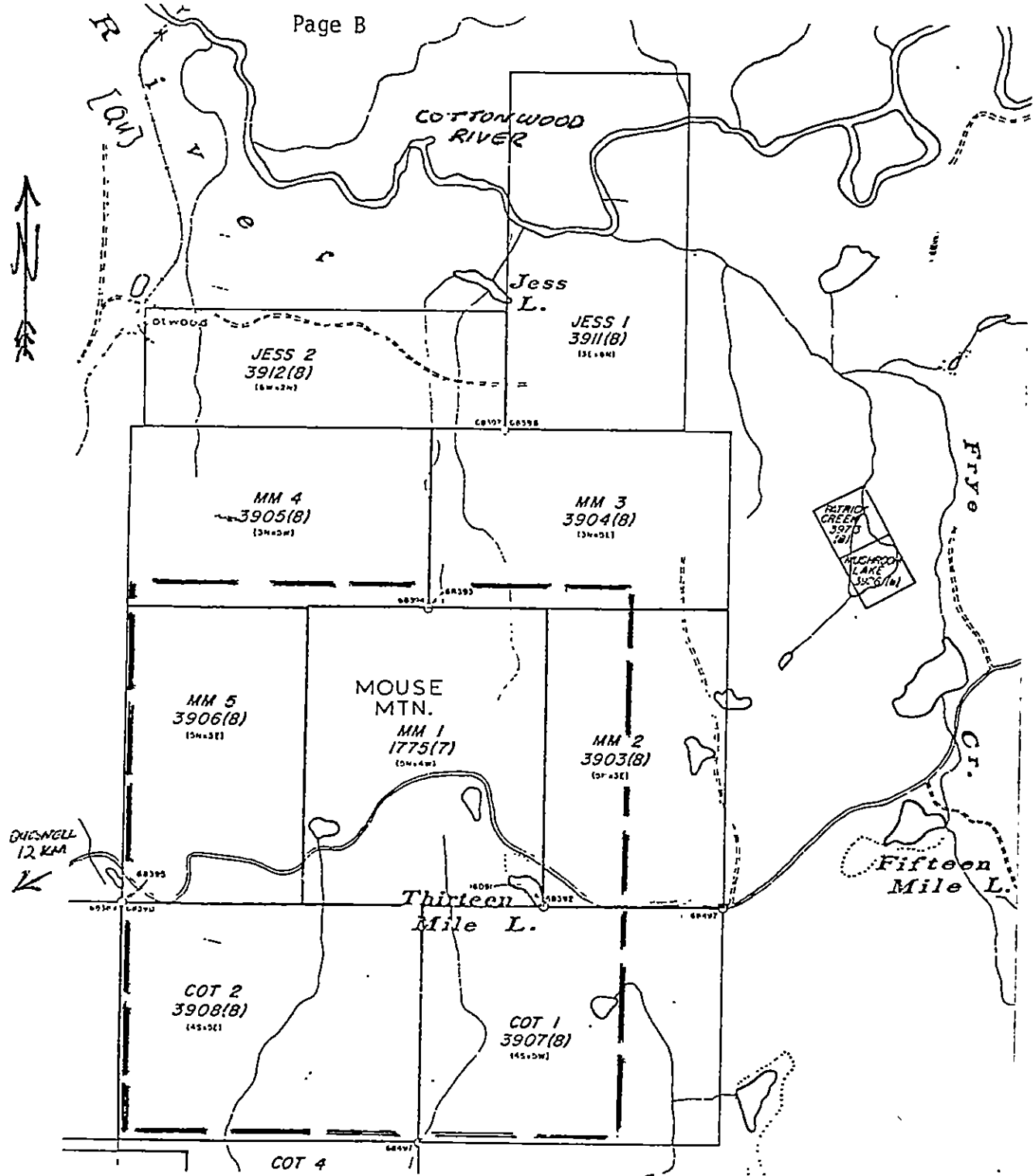
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VICTORIA

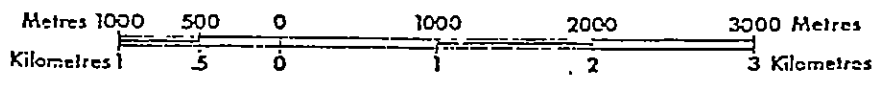
TRAIL

U. S. A.



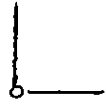


QUESWELL
12 KAA
K



LEGEND

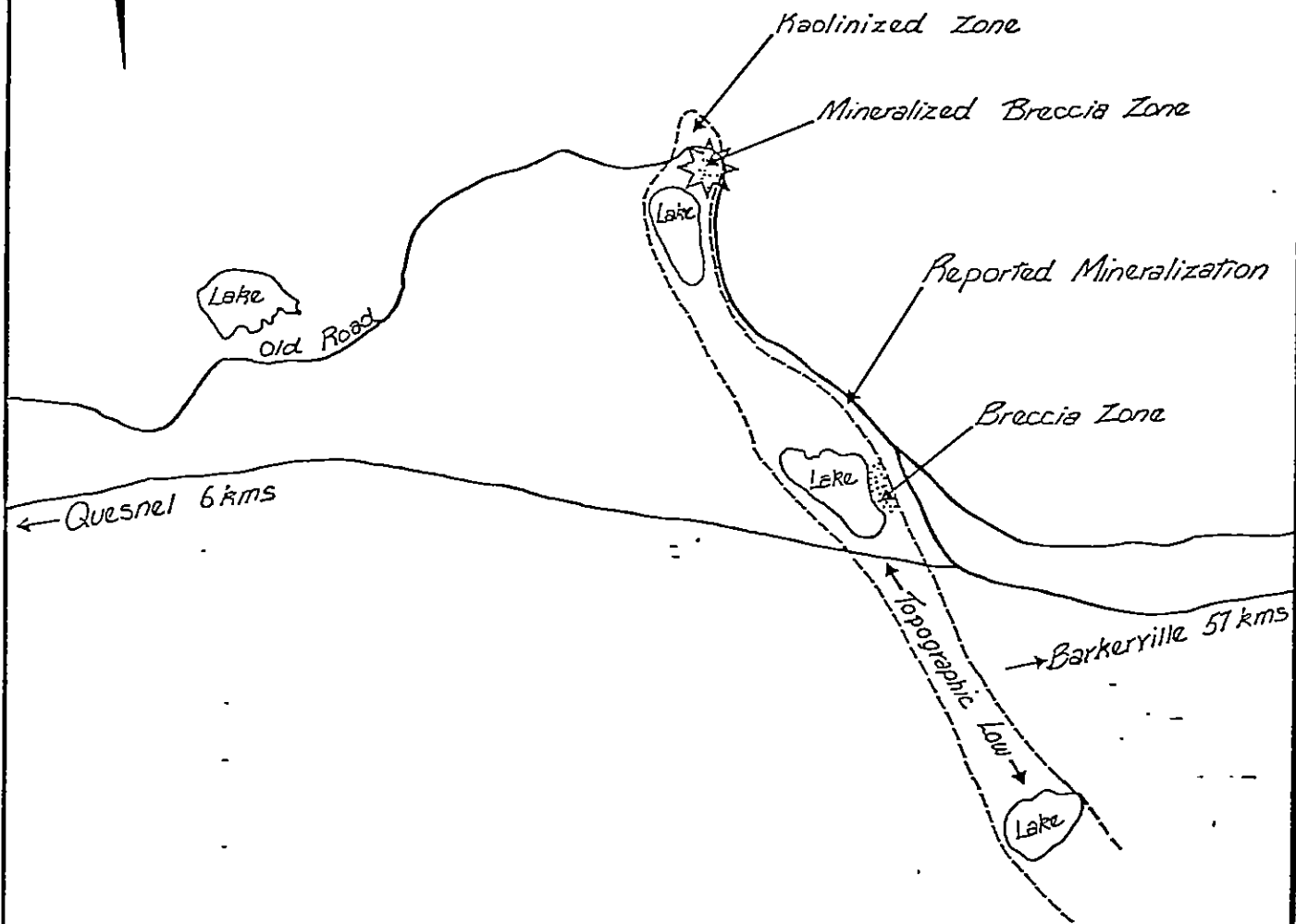
Claim Boundary
Corner Post



Location of Surveyed Area
and 1:10000 Scale Drawings



| | |
|----------------------------------|---------------------------|
| FIRST NUCLEAR CORPORATION | |
| PROJECT: PROPERTY LOCATION MAP | |
| MM CLAIMS | SE 1/4 M 93G/1W |
| Dwg. No. 7 | Scale: 1:50,000 Drawn By: |
| N.T.S.93G/1W | Date: JUNE 82 Checked By: |



FIRST NUCLEAR CORPORATION

PROJECT: 22 COTTONWOOD
Airphoto Overlay Showing
Topographic Low

Dwg No. 2 Scale: 1:20,000 Drawn By: pmv
N.T.S. 93 G/1 Date: Nov/81 Checked By: rt

1. INTRODUCTION

1.1 GENERAL GEOGRAPHIC AND PHYSIOGRAPHIC POSITION

The Mouse Mountain claims are located in NTS Map Sheet 93G/1W and are situated 12 kilometers from the Town of Quesnel, B.C. along the Barkerville Highway. The property is easily accessible by road. The area has been subjected to some farming and logging operations providing roads and trails which can be utilized by four wheel drive vehicles during the summer months. The old Barkerville road also crosses the property.

The topography in the area is the result of a glaciated and stream eroded plateau which now displays a gentle relief. The steepest slopes are encountered along a deeply incised stream valley. Maximum relief is about 900 ft. (274 m.), from the highest to lowest points on the property. The average elevation on the Mouse Property is about 3000 ft. (914 m.).

Vegetation consists of a mixture of coniferous and deciduous trees. The coniferous stands are dominated by spruce, fir and cedar trees while birch and poplar trees dominate the lower lying wetter areas. A considerable amount of underbrush was encountered in some areas which included a thorny shrub known as devil's club.

1.2 PROPERTY DEFINITION AND HISTORY

The history of the property is sketchy and incomplete as few records were kept and little assessment work has been recorded. Interest in the area probably started in the early 1950's when copper minerals were noted in outcrop along the edge of the old Barkerville Highway, marking the location of a significant surface showing. There is evidence of some hand pits and prospector shafts near this showing. The exact age of this work is unknown.

The property has been staked by numerous companies and individuals over the last thirty years (personal communications with Mr. Corbit who has homesteaded in the area since 1958).

In 1955 - 1956 a carload of hand-sorted ore averaging 5.5% Cu was produced from the property and shipped to the Tacoma smelter.

In 1967, Euclid Mining Corporation from Vancouver planned to heap leach the main showing and some preparatory work was undertaken, including the testing of a pilot leach process, before the operation closed down later that year due to lack of funding. No records are available regarding this work.

In 1970, Bethlehem Copper drilled 14 percussion drill holes and the data from this program have been obtained and are summarized on the Drilling Data Map attached to this report (Dwg. 3).

In 1975, Dupont of Canada drilled 5 percussion holes on the northwestern end of the property and the results of this program are also shown on the Drilling Data Map (Dwg. 3).

Diamond Drilling was also carried out on the property; however, information regarding the location of holes and results is not available.

Geochemical surveys have been conducted on the property and some of the data has been filed for assessment reports.

Geophysical surveys have been conducted on the property. An I.P. survey was run by Canadian Superior. However, only two lines were completed and the geophysicist considered the data erroneous and uninterpretable.

The Mouse Mountain property was acquired by First Nuclear Corporation Ltd. in July of 1981 through agreement with A.A. Ablett (M.M.1) and by mineral claim staking (M.M.4, M.M.5, Cot 1, Jess 2) which form a contiguous group.

2. GEOLOGICAL SUMMARY

2.1 REGIONAL GEOLOGY

The property is situated within an irregularly shaped physiographic area of low relief known as the Fraser Basin, a sub-division of the very extensive interior plateau physiographic division of British Columbia. The surface of the basin, which is gently rolling and poorly drained, lies below the 3000 foot contour and is deeply incised by the Fraser River and its tributaries. Glacial deposits mantle much of the basin and as a consequence outcrop is scarce.

Geologically, the property is located within the boundaries of the Quesnel Trough, a long, narrow, northwesterly trending strip of dominantly Lower Mesozoic, mainly volcanic rocks. It is flanked by older and highly deformed rocks of the Omineca Geanticline on the northeast and the Pinchi Geanticline on the southwest. The former is represented by the metasediments of the Lower Paleozoic Caribou Group and the latter by the largely sedimentary Pennsylvanian to Permian Cache Creek Group. The Mesozoic rocks of the Trough in this area consist of Upper Triassic and Lower Jurassic volcanics and sediments and intrusive rocks which fall into two general age categories, 100 million years and 200 million years. Tertiary rocks are extensive and may be divided into two distinct units, a Lower Tertiary sedimentary and volcanic fragmental group and an Upper Tertiary division consisting of basaltic plateau lavas.

The dominant structural features of the area are northwest trending faults and fractures. These faults, many of which are branches of the much larger Pinchi Fault, both bound and occur within the Trough. The only major producing property in the region is the Gibraltar copper mine located 34 miles to the south-southeast of Quesnel.

2.2 MINERAL CLAIM GEOLOGY

According to the 93G Prince George Geology Map No. 49-1960 by H.W. Tipper (1959-1960), the property lies within the Quesnel Trough which is a long, narrow strip of Lower Mesozoic volcanic and volcanogenic sediments.

Mouse Mountain area is mapped as "Eastern Group" (unit 6A) consisting of argillite, greywacke, plus green, grey, black and purple andesite and

basalt with related tuffs and breccias. Minor conglomerate and limestones are included in this group. The age of these rocks is uncertain, but they probably range from Triassic to Jurassic and are likely coeval with the Topley Intrusions.

The Mineral Claims are mantled with one to thirty meters of glacial till and for the most part outcrops are rare. The rocks exposed and casually observed on the property at Mouse Mountain appear to be a volcanic assemblage consisting of green and pink andesite, agglomerates and coarse pyroclastics and breccias. Most exposures were located in bulldozer trenches, to the northeast of the road showing and adjacent to the east edge of the pond near the new highway to Barkerville. One outcrop of light green magnetic mafic volcanic rock was located in the creek at 8+00S and 12+50W on the Cot grid south of the new Barkerville Highway.

Copper mineralization was observed in the road showing as a pervasive coating of secondary copper minerals including malachite and azurite. Fresh broken specimens from this showing revealed chalcopyrite, magnetite and minor covelite and pyrite.

Minor chalcocite, malachite and chalcopyrite were noted associated with carbonate veining and fracture filling within altered andesite 100 m and 200 m to the northeast of the showing. At this location copper mineralization was less impressive; however, some of the typical porphyry style alteration phases were noted. In some areas the country rock is kaolinized to such a degree that the original composition cannot be determined. Porphyritic and potassic alteration was also noted in this area.

3. WORK UNDERTAKEN BY FIRST NUCLEAR CORPORATION

3.1 GRID CONSTRUCTION

Two grids were established on the property by First Nuclear. The first grid was a topofoil and compass, flagged line grid. It was located on the MM-1 claim group and will be referred to as the MM grid. The lines were spaced 100 meters apart with stations every 50 meters. The lines trend 250° true. The grid was located to explore a topographic low which forms a northwesterly trending linement across the property (Dwg. 2). The total number of kilometers of line established is 5.8 kilometers.

The second grid was constructed over part of the Cot claims and will be referred to as the "Cot" grid. The grid is located south of the present Barkerville Highway. An old road was used as a baseline from which pace and compass lines were flagged, trending 250° true. The lines were spaced 300 meters apart.

The Cot Grid was constructed to survey magnetic trends in this area and establish possible geochemical correlations. The total number of kilometers of line established is 9.3 km.

3.2 GEOCHEMICAL SURVEY

The MM grid and the Cot grid were sampled. Soil samples were collected from the B horizon where possible. If the "B" horizon was absent, "A" or "C" soil horizon material was sampled. All soil samples were analysed by Loring Labs of Calgary for copper, lead, zinc and molybdenum. Stream sediment samples were collected from six locations where the Cot grid lines intersected a stream. These stream sediment samples were shipped with, and analyzed for, the same elements as the soil samples, namely Cu, Pb, Zn and Mo. Sample spacing on the MM grid and the Cot grid was 50 and 200 meters respectively.

The soil samples were collected from the Cot grid at 200 meter intervals. The starting point was on line 17+00S on the baseline. Sampling progressed westward along the line, then north to line 14+00S and eastward to the baseline and north again to line 11+00S and so on in a snake pattern. The samples were labelled Q1 to Q67. Stream sediment samples were labelled QS-1 to QS-6. The first stream sediment sample (QS-1) was collected where line 17+00S intersected the stream and the subsequent stream sediment samples were taken consecutively up stream at stream and grid line intersection points. A total number of stream sediment samples collected was 16 and the total number of soil samples collected was 202 samples.

3.3 MAGNETIC SURVEY

A magnetometer survey was conducted over both the MM grid and the Cot grid between October 2nd and 5th. A geonics model G 216/825 portable proton magnetometer which gave an accuracy of 5 gammas was used. To check for diurnal variations, readings were repeated at the same location on approximately a two hour interval and also recorded at the start and finish of each day. On the Cot grid south of the Barkerville road, maximum diurnal variation noted was 100 gammas, the average being 13 gammas and the day to day variations ranged from 2 to 55 gammas (average 16 gammas). A one-day magnetometer survey was conducted on the MM grid. The maximum change in base station readings was 14 gammas.

On the Cot grid a well defined anomaly is outlined. The total number of kilometers of line surveyed by magnetometer was 16.8 kilometers.

4. TECHNICAL DATA AND INTERPRETATION

4.1 STATISTICAL TREATMENT OF DATA

4.1.1 The results of First Nuclear soil geochemical survey have been compiled and contoured along with the results from a soil survey carried out by Hudson Bay Oil and Gas which were obtained from the assessment files.

The First Nuclear data was subjected to statistical analysis. A total of 202 sample analyses made up the population.

The variance or graphical standard deviation was obtained from the cumulative frequency plot by the form

$$\frac{84\text{th percentile} - 16\text{th percentile}}{2}$$

2

The mean was obtained from the 50th percentile on the cumulative frequency plot.

The anomalous values were considered to be those which were equal to or greater than the mean plus two standard deviations.

The following chart tabulates the results.

Table 1

STATISTICAL DATA

Soil Geochemical Values in p.p.m.

| | <u>Cu</u> | <u>Pb</u> | <u>Zn</u> | <u>Mos.</u> | <u>HBOG*Cu</u> |
|-------------------------------|-----------|-----------|-----------|-------------|----------------|
| Graphical Standard Variations | 12 | 3.5 | 18 | 22 | 13.5 |
| Mean | 18 | 11.8 | 66 | 2.2 | 24 |
| Mean +1 Standard Variation | 30 | 15 | 84 | 4 | 37 |
| Mean +2 Standard Variation | 42 | 19 | 102 | 6 | 51 |

*A statistical analysis of the Hudson Bay Oil and Gas Data for Copper yielded these results.

4.1.2 PRESENTATION OF DATA

The results of the soil geochemical survey have been plotted at a scale of 1:10,000 or 1 cm = 100 m.

Two maps have been produced for each analysis: one map with plotted values and one map with plotted and interpreted contoured values.

Table 2

CONTOUR DATA FOR GEOCHEMICAL SURVEY

| <u>Geochemical Analysis</u> | <u>Threshold Contour</u> | <u>Contour Interval</u> |
|---------------------------------|------------------------------|-----------------------------|
| Cu | 30 | 20 |
| Pb | 16 | 4 |
| Zn | 100 | 20 |
| MoS2 | 4 | 1 |

4.1.3 INTERPRETATION OF GEOCHEMICAL SURVEY

- (a) Molybdenum in Soil (Dwg. 4,
Dwg. 8)

The molybdenum in soil data indicates that a rather low background level exists over most of the survey area. Values ranged from 1 ppm to 10 ppm. The highest values obtained were from an area north of a small pond in a hay field. These values may be significant as copper minerals had been noted by Mr. Corbie while digging water/sewage trenches near his house which is within 150 meters of the anomalous molybdenum samples.

- (b) Zinc In Soils (Dwg. 5,
Dwg. 9)

Zinc values ranged between 12 and 400 ppm over the survey area. The zinc values from the Hudson Bay Oil and Gas grid area was also contoured. Several anomalous trends can be noted

throughout the map area. The most notable anomalies are located in the northwestern area of the Hudson Bay Oil and Gas grid. Several anomalous trends span two or more survey lines and the trends are based on several anomalous samples rather than single point anomalies which are sometimes spurious. These trends probably reflect the underlying geology.

(c) Lead in Soils (Dwg. 6, Dwg. 10)

The lead content of the soils sampled on the MM and Cot grids varied between 9 and 36 ppm. The highest value on the Hudson Bay Oil and Gas grid was 45 ppm. A significant anomalous trend shows on the Cot grid just north of the magnetic high. No other significant lead anomalies are located throughout the survey area.

- (d) Copper in Soil (Dwg. 7,
Dwg. 11)

Several anomalous copper trends are indicated by the contoured data. A weak anomaly coincides with the magnetic high on the Cot grid which is significant. The most significant anomalous areas occur near showings or over areas which have been tested by drilling, i.e. (WPC-1-6 to WPC-14). It is interesting to note that several anomalies exist which have not been tested by drilling and the Du Pont Drilling program intersected 170' of .102% copper in an area of only weakly anomalous soil.

4.2 MAGNETIC SURVEY

The geophysical survey shown in Drawings 12 and 13 consists of magnetic data obtained by First Nuclear from the Cot and MM survey grids.

4.2.1 MAGNETIC DATA (Dwg. 12, Dwg. 13)

The magnetic data is presented on two drawings. Drawing 12 shows only the magnetic readings at each station. Drawing 13 depicts the interpreted data in contoured form.

4.2.2 MAGNETIC INTERPRETATION

The MM grid shows a rather subdued magnetic response except for an anomalous area over a known showing at the 0+00 station on the baseline of the MM grid. The maximum reading was 60327 gammas which is about 2000 gammas over the background magnetic susceptibility of the survey area. A well defined broad magnetic anomaly exists on the Cot grid. This anomaly shows on the Government airborne magnetic survey map and has been confirmed on the ground. The maximum response was 60820 gammas which is about 2500 gammas higher than the surrounding terrain.

The anomaly falls in an area of heavy overburden and the underlying geology is uncertain. It is probable that this magnetic response is due to the intrusion of a granitic mass into the overlying volcanic rocks.

4.3 CONCLUSION AND RECOMMENDATIONS

The Mouse Mountain property appears to have porphyry copper style potential with associated precious metals.

Drilling conducted by Du Pont of Canada and Bethlehem Copper has indicated that low-grade (0.1-0.15% Cu) porphyry copper type mineralization has been intersected on the property in two widely separated locations, (about 1 km apart).

A surface showing is located at the 0+00 station on the MM grid which gives values of up to 1.79% Cu and .66 oz/ton silver. This showing is located

600 meters to the southeast of the Bethlehem drilling site. The two drilling locations and the surface showing form a strike line parallel and adjacent to the topographic low which form a linement across the property.

Reported mineralization in water and sewage ditches dug near the Corbit buildings extends mineralized showings over a strike length of 2.5 kilometers.

The country rocks and the mineral assemblages noted in showings on the Mouse Mountain property are very similar to those found at the Caribou-Bell deposit. The magnetic responses over the Mouse Mountain property and some of the ore bodies of the Caribou-Bell property show very strong similarities. It is recommended that the magnetic high on the Cot grid be tested by drilling during future explorations on this property.

The following recommendations should be considered for future exploration:

1. Analyse all geochemical samples collected to date for silver.
2. VLF-EM Survey to locate and trace the possibility of fault/fracture controlled mineralization associated with the linement which crosses the property.
3. Extend a detailed magnetometer survey to cover the limits of the magnetic anomaly which exists over the copper showing at the 0+00 point on the MM grid baseline.
4. Percussion drilling to explore the length, width and depth of the highgrade copper mineralization exposed at the MM grids 0+00/BL point and the magnetometer anomaly on the Cot grid.

5. ITEMIZED COST STATEMENT

An itemized cost statement as required under the Mineral Act regulations, detailing those costs allocated to the "MM Group One" (MM1, MM4, Jes 2) and "MM Group Two" (Cot 2, MM5) Claims.

| NAME | FROM | TO | DAYS | RATE PER DAY | TOTAL | GROUP ONE ALLOCATION | GROUP TWO ALLOCATION |
|-----------------------------|------|-------|--------|-----------------|---------------|-------------------------|-------------------------|
| HARTLEY, G. | 15/9 | 30/9 | 15 | 108.47 | 1627.05 | 976.23 | 650.82 |
| TILSLEY, R. | 15/9 | 30/9 | 15 | 101.85 | 1527.75 | 916.65 | 611.10 |
| BALE, W. | 28/9 | 2/10 | 7 | 124.34 | 870.38 | 522.23 | 348.15 |
| HOOPER, J. | 28/9 | 21/10 | 23 | 57.14 | 1314.22 | 788.53 | 525.69 |
| SLATER, J. | 28/9 | 8/10 | 10 | 79.37 | 793.70 | 476.22 | 317.48 |
| Employee Benefit Expense | | | | | <u>244.26</u> | <u>146.56</u> | <u>97.70</u> |
| | | | TOTAL: | | 6377.36 | 3826.42 | 2550.94 |

5.2 Accomodation and Sustenance

Number of Person Days - 20 days.

| FROM | TO | NO. OF MAN DAYS | APPROX. RATE PER DAY | TOTAL | GROUP ONE ALLOWANCE | GROUP TWO ALLOWANCE |
|------|-------|--------------------|-------------------------|----------------|------------------------|------------------------|
| 15/9 | 21/10 | 70 | 66.83 | <u>4678.13</u> | <u>2806.88</u> | <u>1871.25</u> |

5.3 Transportation

Expenses related to the use of leased or company vehicles on the project between 15/9/81 and 21/10/81.

| | <u>TOTAL</u> | <u>GROUP ONE ALLOCATION</u> | <u>GROUP TWO ALLOCATION</u> |
|-----------------|--------------|---------------------------------|---------------------------------|
| VEHICLE EXPENSE | 1059.67 | 635.80 | 423.87 |

5.4 Instrument Rental

Geonics Model G 216/825 portable proton precession magnetometer.

| <u>FROM</u> | <u>TO</u> | <u>RATE PER MONTH</u> | <u>TOTAL</u> | <u>GROUP ONE ALLOCATION</u> | <u>GROUP TWO ALLOCATION</u> |
|-------------|-----------|---------------------------|--------------|---------------------------------|---------------------------------|
| 1/9 | 30/10 | 518.30 | 1036.60 | 621.96 | 414.64 |

| <u>TOTAL</u> | <u>APPROX. COST PER SAMPLE</u> | <u>TOTAL</u> | <u>GROUP ONE ALLOCATION</u> | <u>GROUP TWO ALLOCATION</u> |
|--------------|------------------------------------|--------------|---------------------------------|---------------------------------|
| 218 | \$ 6.47 | 1468.18 | 880.91 | 587.27 |

5.6 Other Sundry Expenses

| | <u>TOTAL</u> | <u>GROUP ONE ALLOCATION</u> | <u>GROUP TWO ALLOCATION</u> |
|-----------------------------|----------------|---------------------------------|---------------------------------|
| 6.1 Airphotos | 112.87 | 67.72 | 45.15 |
| 6.2 Telephone & Delivery | 278.36 | 167.02 | 111.34 |
| 6.3 General Expenses | <u>1976.27</u> | <u>1185.76</u> | <u>790.51</u> |
| | 2367.50 | 1420.50 | 947.00 |
| PROJECT TOTALS: | 16,987.44 | 10,192.47 | 6,794.97 |

REFERENCES

BROWN, A. SUTHERLAND, Editor, 1976. Porphyry Deposits of the Canadian Cordillera, Canadian Institute of Mining and Metallurgy, Special Volume 15.

TIPPER, H.W., 1961. Geology, Prince George, Caribou District, British Columbia, Geological Survey of Canada Map 49-1960.

HODGSON, C.J., BALES, R.J. AND VERGOS, R.S., 1976. Caribou-Bell. Porphyry Deposits of the Canadian Cordillera, pp. 388-396.

7. QUALIFICATIONS OF THE AUTHOR

1. Graduate of the University of Canterbury, Christchurch, New Zealand, in 1970 with a B.Sc. (Honours) degree in Geology.

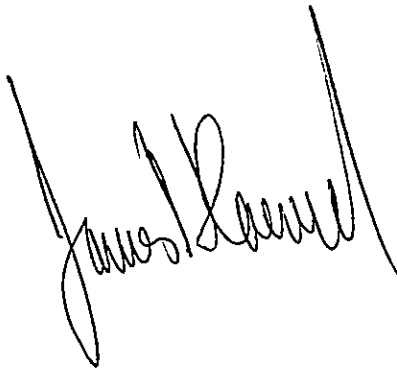
2. Professional Experience

* 1970 - 1974: Exploration Geologist for Noranda Australia Ltd. in Western Australia and the Northern Territory.

* 1975 - 1976: Geologist for uranium projects in Western Canada for Noranda Exploration Company.

* 1976 - 1979: Project Geologist for Pan Ocean Oil Ltd. of Calgary in charge of overseas uranium exploration projects.

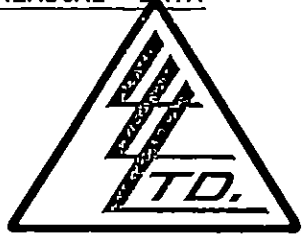
* 1979 - Present: President of First Nuclear Corporation Ltd.

A handwritten signature in cursive script, appearing to read "James Stewart". The signature is written in dark ink and is positioned in the lower right quadrant of the page.

MOUSE MOUNTAIN DRILL DATA

| Hole No. | Interval in Feet <u>From</u> <u>To</u> | Intersection width in feet | Cu | | Au oz/ton | Total Depth | Remarks |
|----------|---|----------------------------------|---------------------------------------|------|--------------|----------------|-------------------------------------|
| | | | Average Grade | ppm | | | |
| | | | <u>Du Pont Drilling 1975</u> | | | | |
| WP-75-1 | 110 - 280 | 170 | .102 | .12 | .003 | 350 | |
| WP-75-2 | 20 - 340 | 320 | .006 | <.01 | - | 340 | |
| WP-75-3 | 10 - 320 | 310 | .017 | .03 | .0009 | 320 | |
| WP-75-4 | 10 - 310 | 300 | .012 | .02 | .0006 | 310 | |
| WP-75-5 | 140 - 320 | 180 | .070% | .08 | .002 | 320 | Hole ends in .09% Cu |
| | | | <u>Bethlehem Cooper Drilling 1970</u> | | | | |
| WPC-1 | 80 - 200 | 120 | .114 | - | - | 200 | Last 30' of hole ave. .07% Cu |
| WPC-2 | 4 - 200 | 196 | <.012 | - | - | 200 | |
| WPC-3 | 20 - 200 | 180 | .145 | - | - | 200 | Hole ends in .33% Cu mineralization |
| WPC-4 | 4 - 200 | 196 | <.016 | - | - | 200 | |
| WPC-5 | 0 - 200 | 200 | .050 | - | - | 200 | |
| WPC-6 | 0 - 140 | 140 | .150 | - | - | 200 | |
| WPC-7 | 0 - 200 | 200 | <.015 | - | - | 200 | |
| WPC-8 | 30 - 130 | 100 | .011 | - | - | 130 | |
| WPC-9 | 30 - 110 | 80 | .108 | - | - | 295 | |
| WPC-10 | 10 - 350 | 340 | .016 | - | - | 350 | |
| WPC-11 | 3 - 330 | 327 | <.013 | - | - | 330 | |
| WPC-12 | 4 - 360 | 356 | .023 | - | - | 360 | |
| WPC-13 | 30 - 110 | 80 | .120 | - | - | 350 | |
| WPC-14 | 20 - 300 | 300 | .018 | - | - | 320 | |

To: First Nuclear Corp. Ltd.
 1210, 100th St - 111th Street
 EDMONTON, Alberta T5K 1K4
 Attn: Glen Hartly



File No. 22441
 Date October 13, 1981
 Samples Soil

Certificate of
 ASSAY

MM Soils

LORING LABORATORIES LTD.

| SAMPLE No. | % |
|-----------------------------|----------------------|
| <p>ASSAY</p> <p>BL-0+00</p> | <p>Cu</p> <p>.21</p> |

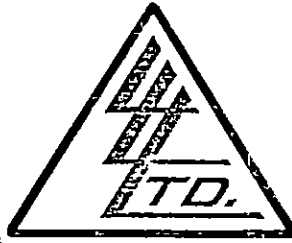
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: First Nuclear Corp. Ltd.
 1210, 10045 - 111th Street
 EDMONTON, Alta. T5K 1K4
 Attn: Glen Hartly

File No. 22441 .. .
 Date . October 13, 1981



Certificate of
 ASSAY
 LORING LABORATORIES LTD.

PAGE #1

| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|------------------|-----------|-----------|-----------|-----------|
| BL - 0+00 | 1000+ | 25 | 81 | 5 |
| LO - 0+50W Swamp | 76 | 19 | 68 | 2 |
| LO - 1+00N "A" | 38 | 15 | 58 | 5 |
| LO - 1+50W | 26 | 15 | 59 | 3 |
| LO - 2+00W | 36 | 17 | 61 | 4 |
| LO - 2+50W | 24 | 12 | 94 | 4 |
| LO - 3+00W | 158 | 26 | 159 | 3 |
| LO - 3+50W | 23 | 12 | 66 | 1 |
| LO - 4+00W | 20 | 11 | 88 | 3 |
| LO - 4+50W | 19 | 11 | 44 | 2 |
| LO - 5+00W | 40 | 11 | 54 | 3 |
| LO - 5+50W | 25 | 11 | 81 | 2 |
| LO - 6+00W | 25 | 12 | 68 | 3 |
| L1S - 2+50W | 24 | 9 | 12 | 4 |
| L1S - 3+00W | 37 | 11 | 61 | 4 |
| L1S - 3+50W | 46 | 12 | 92 | 3 |
| L1S - 4+00W | 20 | 10 | 70 | 3 |
| L1S - 4+50W | 20 | 11 | 96 | 5 |
| L1S - 5+00W | 31 | 14 | 74 | 4 |
| L1S - 5+50W | 24 | 14 | 130 | 4 |
| L1S - 6+00W | 36 | 15 | 64 | 2 |
| L2S - 2+50W | 24 | 11 | 14 | 8 |
| L2S - 3+00W | 18 | 16 | 68 | 5 |
| L2S - 3+50W | 66 | 15 | 71 | 4 |
| L2S - 4+00W | 41 | 17 | 50 | 5 |
| L2S - 4+50W | 50 | 17 | 86 | 2 |
| L2S - 5+00W | 39 | 14 | 80 | 3 |
| L2S - 5+50W | 21 | 12 | 90 | 2 |
| L2S - 6+00W | 22 | 11 | 84 | 5 |

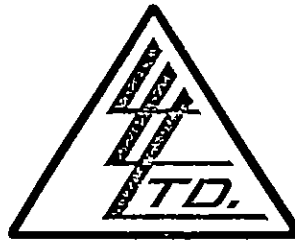
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[Signature]

Assayer

To: First Nuclear Corp. Ltd.
 1210, 10045 - 11th Street
 EDMONTON, Alberta T5K 1K4
 Attn: Glen Hartly



File No. 22441
 Date ... October 13, 1981
 Samples Soil

**Certificate of
 ASSAY
 LORING LABORATORIES LTD.**

PAGE #2

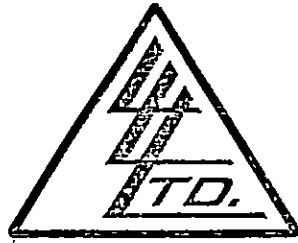
| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|-------------|-----------|-----------|-----------|-----------|
| L3S - 2+50W | 15 | 15 | 14 | 5 |
| L3S - 3+00W | 18 | 10 | 46 | 5 |
| L3S - 3+50W | 18 | 11 | 51 | 3 |
| L3S - 4+00W | 18 | 10 | 76 | 3 |
| L3S - 4+50W | 11 | 10 | 42 | 2 |
| L3S - 5+00W | 14 | 11 | 46 | 3 |
| L3S - 5+50W | 13 | 11 | 56 | 4 |
| L3S - 6+00W | 16 | 11 | 66 | 4 |
| L4S - 2+50W | 31 | 10 | 14 | 5 |
| L4S - 3+00W | 20 | 11 | 48 | 1 |
| L4S - 3+50W | 19 | 12 | 56 | 3 |
| L4S - 4+00W | 32 | 10 | 90 | 2 |
| L4S - 4+50W | 38 | 13 | 46 | 3 |
| L4S - 5+00W | 12 | 10 | 70 | 5 |
| L4S - 5+50W | 15 | 11 | 100 | 3 |
| L4S - 6+00W | 14 | 9 | 59 | 3 |
| L5S - 1+00W | 23 | 9 | 48 | 2 |
| L5S - 1+50W | 27 | 11 | 48 | 3 |
| L5S - 2+00W | 10 | 5 | 7 | 5 |
| L5S - 2+50W | 23 | 9 | 52 | 3 |
| L5S - 3+00W | 22 | 11 | 48 | 2 |
| L5S - 3+50W | 16 | 11 | 64 | 3 |
| L5S - 4+00W | 40 | 15 | 134 | 4 |
| L5S - 4+50W | 20 | 10 | 60 | 2 |
| L5S - 5+00W | 12 | 10 | 56 | 4 |
| L5S - 5+50W | 15 | 9 | 70 | 2 |
| L5S - 6+00W | 13 | 10 | 64 | 3 |
| L6S - 1+00W | 36 | 13 | 66 | 2 |
| L6S - 1+50W | 59 | 12 | 71 | 3 |

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

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 Pulps Retained one month
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 made in advance.

..... *[Signature]*
 Assayer

To: First Nuclear Corp. Ltd.
 1210, 10045 111th St...
 EDMONTON, Alta. T5K 1K4
 Attn: Glen Hartly



File No. 22441
 Date October 13, 1981
 Samples Soil

**Certificate of
 ASSAY
 LORING LABORATORIES LTD.**

PAGE #3

| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|-------------|-----------|-----------|-----------|-----------|
| L6S - 2+00W | 16 | 6 | 13 | 5 |
| L6S - 2+50W | 40 | 17 | 130 | 3 |
| L6S - 3+00W | 13 | 12 | 92 | 2 |
| L6S - 3+50W | 12 | 11 | 50 | 2 |
| L6S - 4+00W | 39 | 11 | 66 | 2 |
| L6S - 4+50W | 20 | 12 | 56 | 3 |
| L6S - 4+51W | 40 | 14 | 84 | 4 |
| L6S - 5+00W | 20 | 11 | 59 | 2 |
| L6S - 5+50W | 20 | 12 | 70 | 3 |
| L6S - 6+00W | 17 | 12 | 76 | 4 |
| L7S - 0+50W | 28 | 10 | 58 | 3 |
| L7S - 1+00W | 56 | 14 | 98 | 2 |
| L7S - 1+50W | 21 | 12 | 60 | 3 |
| L7S - 2+00W | 22 | 11 | 77 | 4 |
| L7S - 2+50W | 21 | 10 | 88 | 3 |
| L7S - 3+00W | 19 | 10 | 91 | 2 |
| L7S - 3+50W | 14 | 9 | 71 | 3 |
| L7S - 4+00W | 16 | 11 | 48 | 3 |
| L7S - 4+50W | 21 | 12 | 48 | 3 |
| L7S - 5+00W | 29 | 12 | 81 | 4 |
| L7S - 5+50W | 16 | 12 | 70 | 2 |
| L7S - 6+00W | 24 | 14 | 66 | 3 |
| L8S - 0+50W | 16 | 11 | 58 | 3 |
| L8S - 1+00W | 40 | 11 | 61 | 2 |
| L8S - 1+50W | 26 | 15 | 94 | 4 |
| L8S - 2+00W | 18 | 11 | 70 | 3 |
| L8S - 2+50W | 16 | 10 | 70 | 4 |
| L8S - 3+00W | 17 | 11 | 85 | 2 |
| L8S - 3+50W | 14 | 11 | 68 | 4 |

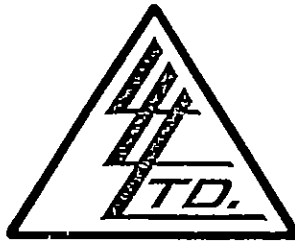
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

[Signature]

Assayer

To: First Nuclear Corp. Ltd.
 1210, 10045 - 111th St.
 Lethbridge, Alta. T5K 1K4
 Attn: Glen Hartly



File No. 22441
 Date: October 13, 1981
 Samples Soil

Certificate of
 ASSAY
 LORING LABORATORIES LTD.

PAGE #4

| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|--------------|-----------|-----------|-----------|-----------|
| L8S - 4+00W | 20 | 11 | 76 | 2 |
| L8S - 4+50W | 15 | 12 | 59 | 2 |
| L8S - 5+00W | 15 | 10 | 62 | 4 |
| L8S - 5+50W | 14 | 11 | 86 | 3 |
| L8S - 6+00W | 14 | 11 | 76 | 2 |
| L9S - 0+50W | 22 | 11 | 45 | 3 |
| L9S - 1+00W | 28 | 14 | 82 | 4 |
| L9S - 1+50W | 12 | 10 | 48 | 4 |
| L9S - 2+00W | 20 | 12 | 64 | 3 |
| L9S - 2+50W | 20 | 10 | 64 | 5 |
| L9S - 3+00W | 16 | 11 | 59 | 3 |
| L9S - 3+50W | 18 | 12 | 52 | 2 |
| L9S - 4+00W | 18 | 11 | 61 | 3 |
| L9S - 4+50W | 25 | 11 | 66 | 4 |
| L9S - 5+00W | 15 | 10 | 58 | 3 |
| L9S - 5+50W | 26 | 12 | 86 | 3 |
| L9S - 6+00W | 70 | 18 | 89 | 2 |
| L9+50S-0+50E | 39 | 25 | 30 | 10 |
| L9+50S-1+00E | 88 | 14 | 78 | 8 |
| L9+50S-0+00W | 48 | 13 | 38 | 5 |
| L9+50S-0+50W | 31 | 26 | 30 | 10 |
| L9+50S-1+00W | 51 | 12 | 51 | 4 |
| L9+50S-1+50W | 74 | 16 | 65 | 4 |
| L9+50S-2+00W | 15 | 13 | 59 | 3 |
| L9+50S-2+50W | 19 | 14 | 84 | 2 |
| L10S-1+50W | 42 | 25 | 56 | 10 |
| L10S-2+00W | 15 | 10 | 52 | 5 |
| L10S-2+50W | 14 | 9 | 47 | 3 |

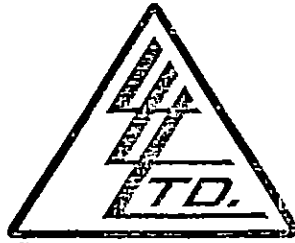
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 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

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 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: First Nuclear Corp. Ltd.
 1210, 10045 - 111th St.
 EDMONTON, Alberta T5K 1K4
 Attn: Glen Hartly

File No.22441.....
 Date ...October 13, 1981...
 Samples . Soil



Certificate of
 ASSAY
 LORING LABORATORIES LTD.

PAGE #5

| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|------------|-----------|-----------|-----------|-----------|
| L10S-3+00W | 14 | 10 | 56 | 4 |
| L10S-3+50W | 17 | 11 | 66 | 3 |
| L10S-4+00W | 14 | 9 | 74 | 3 |
| L10S-4+50W | 16 | 9 | 61 | 2 |
| L10S-5+00W | 24 | 10 | 48 | 4 |
| L11S-2+00W | 20 | 9 | 60 | 3 |
| L11S-2+50W | 16 | 8 | 52 | 4 |
| L11S-3+00W | 23 | 9 | 100 | 5 |
| L11S-3+50W | 16 | 8 | 74 | 4 |
| L11S-4+00W | 12 | 8 | 59 | 3 |
| L12S-1+50W | 29 | 9 | 86 | 4 |
| L12S-2+00W | 18 | 11 | 70 | 5 |
| L12S-2+50W | 24 | 10 | 68 | 5 |
| L13S-0+50W | 69 | 14 | 66 | 4 |

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

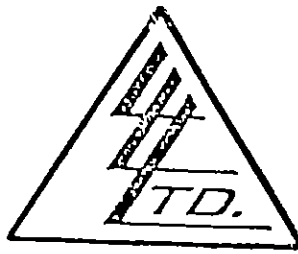
Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

..... *Sol. Turner*

Assayer

To: FIRST NUCLEAR CORP. LTD.,
1210, 10045 - 111th Street,
Edmonton, Alberta T5K 1K4

File No. ... 21974
 Date July 24, 1981
 Samples Rock Chip



○
 ...ATTN: L. Shupenia

Cottonwood

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

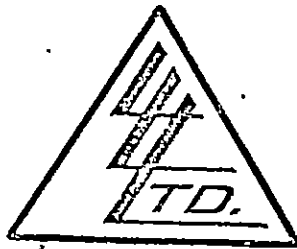
| SAMPLE No. | OZ./TON GOLD | OZ./TON SILVER | % Cu | % MoS2 |
|-----------------------|-----------------|-------------------|---------|-----------|
| ○ <u>"Rock Chips"</u> | | | | |
| BB-1 | .040 | .58 | .51 | .005 |
| BB-2 | Trace | .26 | .07 | .003 |
| BB-3 | Trace | .48 | .19 | .003 |

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

○
 Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: FIRST NUCLEAR CORP. LTD.,
 1210, 10045 - 111th Street,
 Edmonton, Alberta T5K 1K4
 ATTN: Glenn Hartly



File No. 22485
 Date October 15, 1981
 Samples Rock

Cottonwood

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

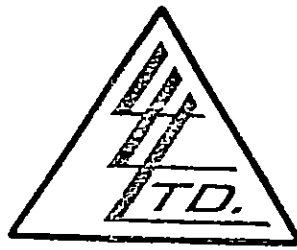
| SAMPLE No. | OZ./TON GOLD | OZ./TON SILVER | % Cu | % Pb | % Zn | % MoS2 |
|-----------------------|-----------------|-------------------|---------|---------|---------|-----------|
| <u>"Rock Samples"</u> | | | | | | |
| CS # 1 | Trace | .66 | 1.79 | .01 | .01 | .004 |
| CS # 2 | Trace | .36 | .13 | .02 | .01 | .004 |
| CS # 3 | Trace | .26 | .06 | .01 | Trace | .002 |
| CS # 4 | Trace | .08 | .01 | .01 | Trace | .006 |
| BB 1 | Trace | .30 | - | - | - | - |
| BB 2 | - | - | - | .02 | .03 | - |

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: FIRST NUCLEAR CORP. LTD.,
 1210, 10045 - 111th Street,
 Edmonton, Alberta T5K 1K4



File No. 22574
 Date October 27, 1981
 Samples Soil

ATTN: Glenn Hartly

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

Page # 1

| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|-----------------------|-----------|-----------|-----------|-----------|
| <u>"Soil Samples"</u> | | | | |
| Q 1 | 10 | 25 | 44 | 1 |
| 2 | 17 | 26 | 78 | 1 |
| 3 | 10 | 18 | 58 | 1 |
| 4 | 22 | 23 | 130 | 2 |
| 5 | 12 | 16 | 116 | 1 |
| 6 | 14 | 16 | 74 | 3 |
| 7 | 9 | 12 | 80 | 2 |
| 8 | 19 | 12 | 56 | 3 |
| 9 | 14 | 11 | 86 | 3 |
| 10 | 8 | 10 | 68 | 2 |
| 11 | 10 | 16 | 59 | 1 |
| 12 | 24 | 16 | 56 | 2 |
| 13 | 26 | 14 | 52 | 1 |
| 14 | 9 | 12 | 90 | 1 |
| 15 | 19 | 14 | 60 | 2 |
| 16 | 20 | 14 | 70 | 1 |
| 17 | 32 | 14 | 78 | 3 |
| 18 | 12 | 11 | 86 | 1 |
| 19 | 52 | 22 | 68 | 2 |
| 20 | 17 | 12 | 90 | 2 |
| 21 | 15 | 16 | 80 | 2 |
| 22 | 5 | 10 | 54 | 1 |
| 23 | 22 | 17 | 56 | 2 |
| 24 | 12 | 16 | 48 | 2 |
| 25 | 16 | 14 | 74 | 1 |
| 26 | 16 | 14 | 79 | 1 |
| 27 | 10 | 12 | 78 | 2 |
| 28 | 10 | 13 | 66 | 1 |
| 29 | 12 | 11 | 76 | 1 |

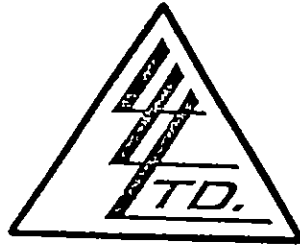
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 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.

Pulps Retained one month
 unless specific arrangements
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GLM
 Assayer

To: FIRST NUCLEAR CORP. LTD.,
1210, 10045 - 111th Street,
Edmonton, Alberta T5K 1K4



File No. 22574
 Date October 27, 1981
 Samples Soil

ATTN: Glenn Hartly

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 2

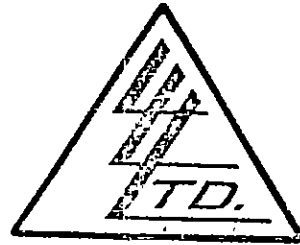
| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|------------|-----------|-----------|-----------|-----------|
| Q 30 | 14 | 13 | 52 | 1 |
| 31 | 56 | 21 | 112 | NIL |
| 32 | 32 | 19 | 70 | 1 |
| 33 | 12 | 15 | 46 | NIL |
| 34 | 13 | 20 | 78 | 1 |
| 35 | 12 | 16 | 66 | 1 |
| 36 | 12 | 18 | 49 | 1 |
| 37 | 14 | 14 | 68 | 1 |
| 38 | 44 | 22 | 66 | 1 |
| 39 | 41 | 23 | 76 | 1 |
| 40 | 16 | 18 | 68 | 5 |
| 41 | 18 | 18 | 86 | 4 |
| 42 | 14 | 17 | 79 | 2 |
| 43 | 10 | 12 | 100 | 6 |
| 44 | 12 | 13 | 70 | 2 |
| 45 | 18 | 12 | 79 | 3 |
| 46 | 15 | 11 | 80 | 1 |
| 47 | 18 | 12 | 90 | 2 |
| 48 | 14 | 11 | 64 | 1 |
| 49 | 16 | 12 | 68 | 1 |
| 50 | 48 | 15 | 76 | 2 |
| 51 | 9 | 15 | 96 | 2 |
| 52 | 18 | 30 | 69 | 1 |
| 53 | 12 | 14 | 70 | 2 |
| 54 | 14 | 13 | 80 | 1 |
| 55 | 12 | 11 | 51 | 2 |
| 56 | 19 | 14 | 400 | 3 |
| 57 | 16 | 14 | 59 | 1 |
| 58 | 16 | 12 | 52 | 1 |
| 59 | 17 | 16 | 96 | 3 |
| 60 | 18 | 33 | 90 | 2 |

I *Hereby Certify* THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
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[Signature]
 Assayer

To: FIRST NUCLEAR CORP. LTD.,
 1210, 10045 - 111th Street,
 Edmonton, Alberta T5K 1K4
 ATTN: Glenn Hartly



File No. 22574
 Date October 27, 1981
 Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

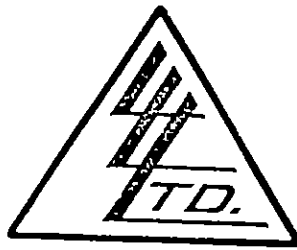
| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|------------|-----------|-----------|-----------|-----------|
| Q 61 | 13 | 36 | 70 | 1 |
| 62 | 13 | 18 | 58 | 1 |
| 63 | 49 | 19 | 76 | NIL |
| 64 | 14 | 15 | 70 | NIL |
| 65 | 12 | 18 | 94 | NIL |
| 66 | 22 | 16 | 70 | 1 |
| 67 | 23 | 15 | 94 | 1 |

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

[Handwritten Signature]
 Assayer

To: FIRST NUCLEAR CORP. LTD.,
1210, 10045 - 111th Street,
Edmonton, Alberta T5K 1K4



File No. 22574
 Date .. October 27, 1981
 Samples Silt

ATTN: Glenn Hartly

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 4

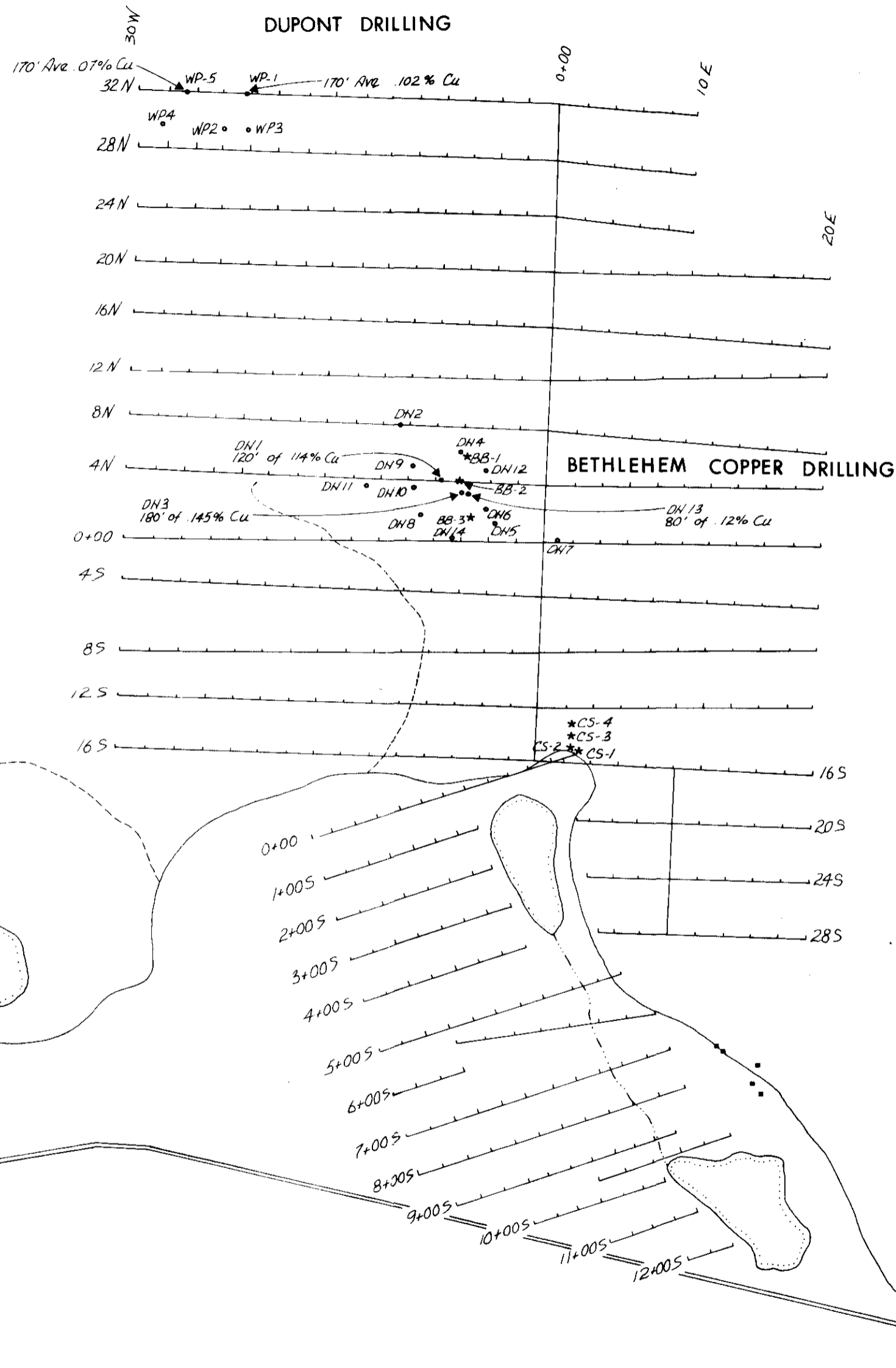
| SAMPLE No. | PPM Cu | PPM Pb | PPM Zn | PPM Mo |
|-----------------------|-----------|-----------|-----------|-----------|
| <u>"Silt Samples"</u> | | | | |
| QS 1 | 32 | 14 | 70 | 1 |
| 2 | 24 | 14 | 60 | 1 |
| 3 | 40 | 22 | 76 | 2 |
| 4 | 22 | 15 | N50 | NIL |
| 5 | 31 | 15 | 60 | 1 |
| 6 | 41 | 21 | 72 | 1 |

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 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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..... *A. J. M. J. O. A. C.*
 Assayer

122° 20'



MOUSE MOUNTAIN DRILL DATA

| Hole No. | Interval in Feet From To | Intersection width in Feet | Cu Average Grade | Au ppm oz/ton | Total Depth | Remarks | |
|--------------------------------|--------------------------|----------------------------|------------------|---------------|-------------|---------|-------------------------------------|
| Dupont Drilling 1975 | WP-75-1 | 110 - 280 | 170 | .102 | .12 .003 | 350 | |
| | WP-75-2 | 20 - 340 | 320 | .006 | <.01 - | 340 | |
| | WP-75-3 | 10 - 320 | 310 | .017 | .03 .0009 | 320 | |
| | WP-75-4 | 10 - 310 | 300 | .012 | .02 .0006 | 310 | |
| | WP-75-5 | 140 - 320 | 180 | .070% | .08 .002 | 320 | Hole ends in .09% Cu |
| Bethlehem Copper Drilling 1970 | WRC-1 | 80 - 200 | 120 | .114 | - - | 200 | Least 30' of hole ave. 07% Cu |
| | WRC-2 | 4 - 200 | 196 | <.012 | - - | 200 | |
| | WRC-3 | 20 - 200 | 180 | .145 | - - | 200 | Hole ends in .33% Cu mineralization |
| | WRC-4 | 4 - 200 | 196 | <.016 | - - | 200 | |
| | WRC-5 | 0 - 200 | 200 | .050 | - - | 200 | |
| | WRC-6 | 0 - 140 | 140 | .150 | - - | 200 | |
| | WRC-7 | 0 - 200 | 200 | <.015 | - - | 200 | |
| | WRC-8 | 30 - 130 | 100 | .011 | - - | 130 | |
| | WRC-9 | 30 - 110 | 80 | .108 | - - | 295 | |
| | WRC-10 | 10 - 350 | 340 | .016 | - - | 350 | |
| | WRC-11 | 3 - 330 | 327 | <.013 | - - | 330 | |
| | WRC-12 | 4 - 360 | 356 | .023 | - - | 360 | |
| | WRC-13 | 30 - 110 | 80 | .120 | - - | 350 | |
| | WRC-14 | 20 - 300 | 300 | .018 | - - | 320 | |

GRAB SAMPLES

| sample No. | Pb% | Au oz/ton | Ag oz/ton | Cu% | Mo% |
|------------|-----|-----------|-----------|------|------|
| BB-1 | - | .04 | .58 | .51 | .005 |
| BB-2 | - | Tr | .26 | .07 | .003 |
| BB-3 | - | Tr | .48 | .19 | .003 |
| CS-1 | .01 | Tr | .66 | 1.79 | .004 |
| CS-2 | .02 | Tr | .36 | .13 | .004 |
| CS-3 | .01 | Tr | .26 | .06 | .002 |
| CS-4 | .01 | Tr | .08 | .01 | .006 |

Assayed by Loring Labs, Calgary

LEGEND

- DHT Drill hole location
- *BB3 Grab sample location
- Building
- - - Trail or logging road
- dry weather road
- == Highway
- Small lake or pond

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,506
NO

FIRST NUCLEAR CORPORATION

PROJECT: MOUSE MOUNTAIN, BC.

Geochemical data from percussion drill holes and surface samples. Compilation of work carried out by Dupont of Canada, Bethlehem Copper and First Nuclear Corporation.

Dwg. No. 3

Scale: 1:10,000

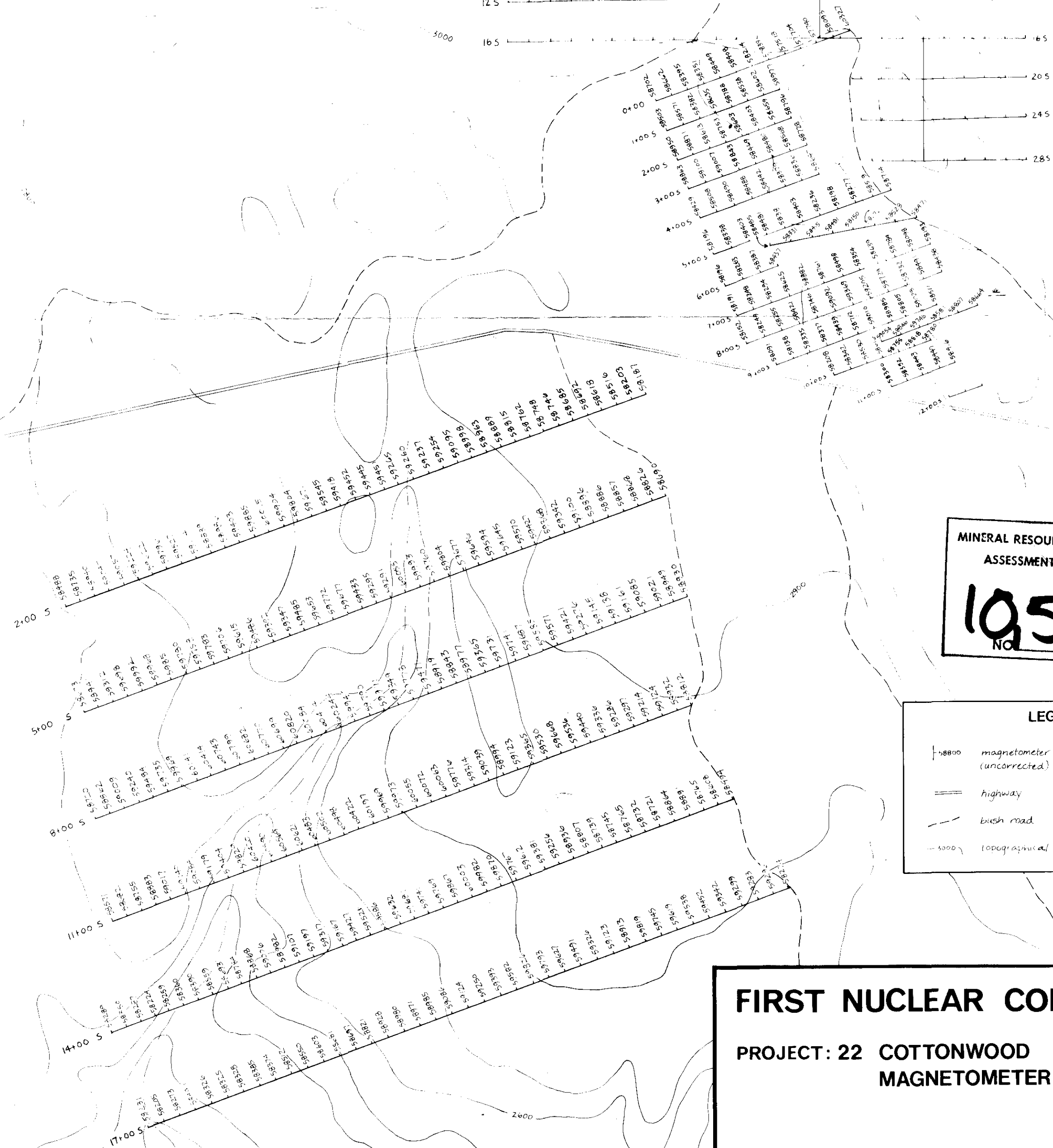
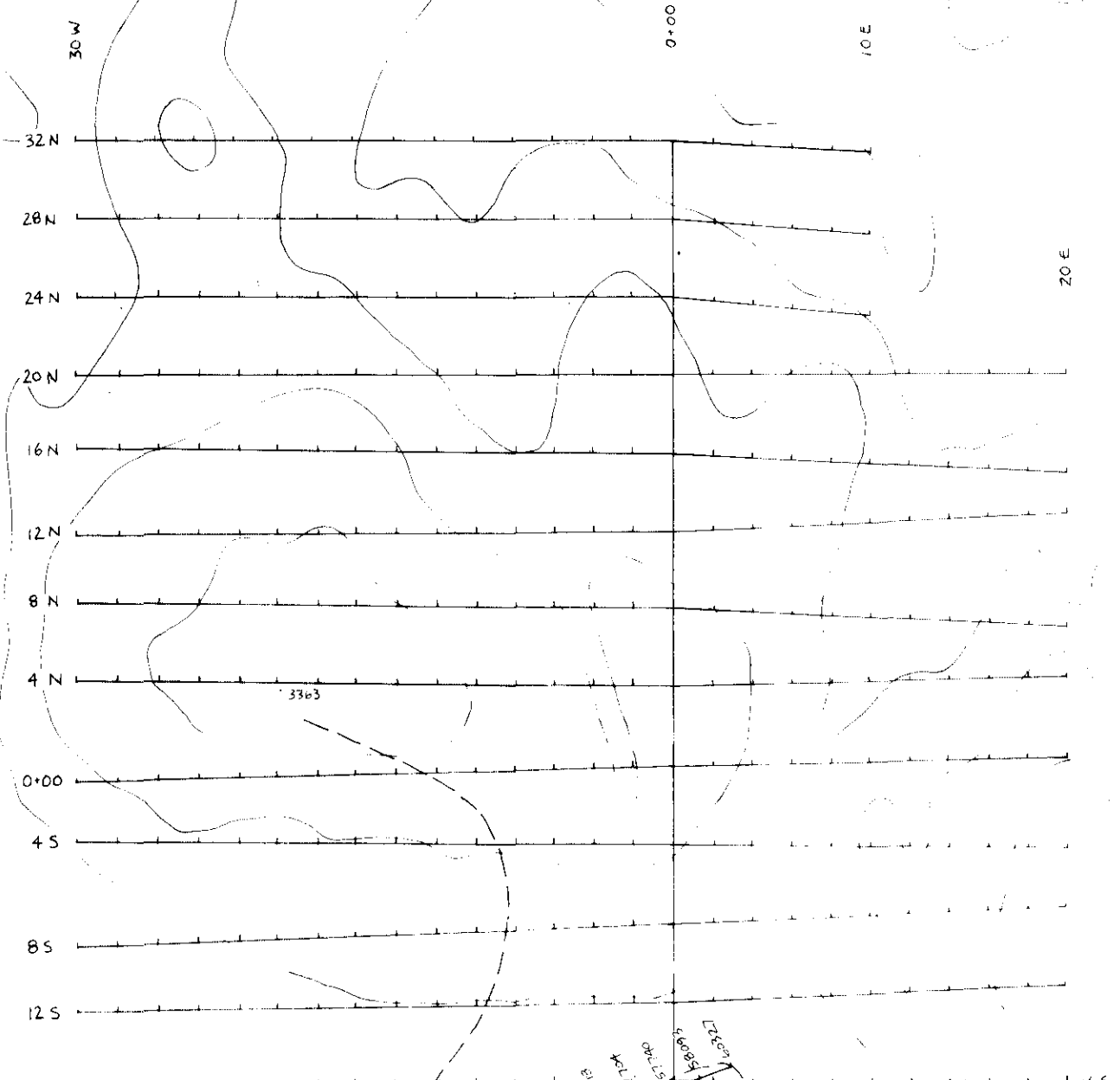
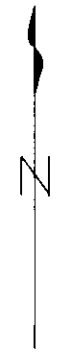
Drawn By: pmv

N.T.S. 93G/1

Date:

Checked By: rt

122° 20'



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,506
NO

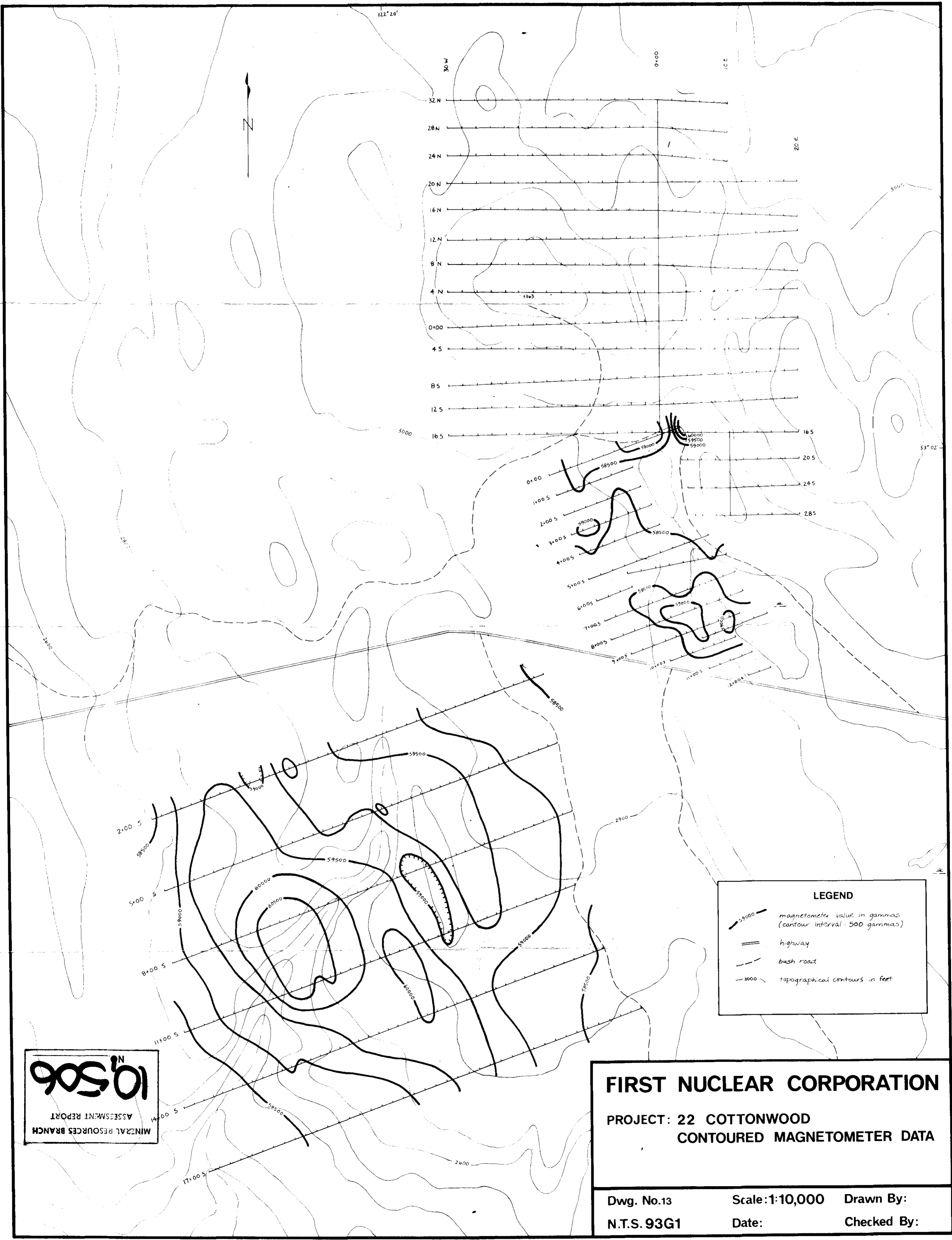
LEGEND

- +58800 magnetometer value in gammas (uncorrected)
- == highway
- - - bush road
- - - 1000 topographical contours in feet

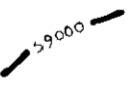



FIRST NUCLEAR CORPORATION

**PROJECT: 22 COTTONWOOD
MAGNETOMETER VALUES**

Dwg. No. /2 Scale: 1:10,000 Drawn By:
N.T.S. 93G1 Date: Checked By:



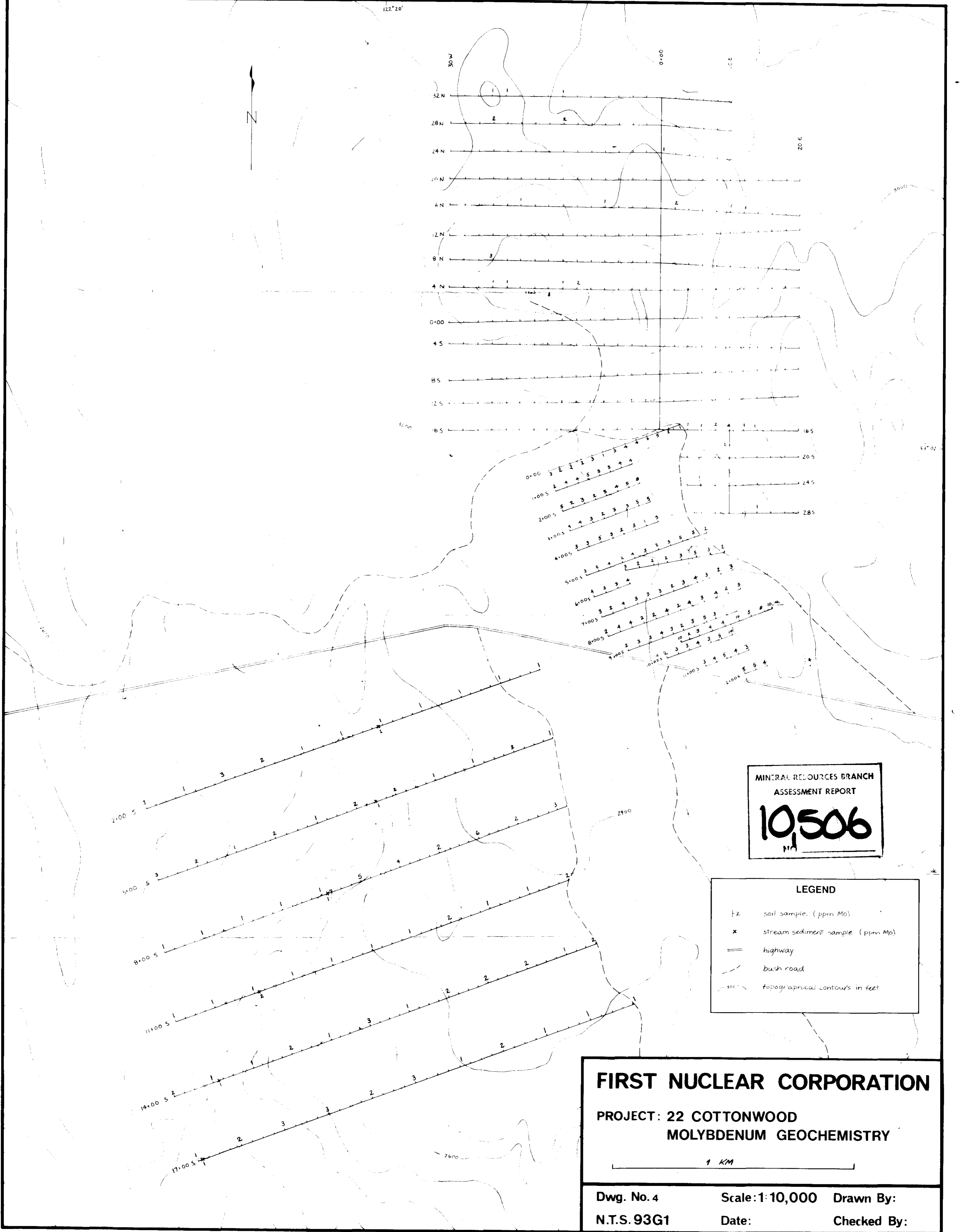
LEGEND

-  magnetometer value in gammas (contour interval: 500 gammas)
-  highway
-  bush road
-  topographical contours in feet

10,506
 MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT

FIRST NUCLEAR CORPORATION
 PROJECT: 22 COTTONWOOD
 CONTOURED MAGNETOMETER DATA

Dwg. No.13 Scale:1:10,000 Drawn By:
 N.T.S. 93G1 Date: Checked By:



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
10506
 No. _____

LEGEND

- +2 soil sample. (ppm Mo)
- x stream sediment sample (ppm Mo)
- == highway
- - - bush road
- cont. topographical contours in feet

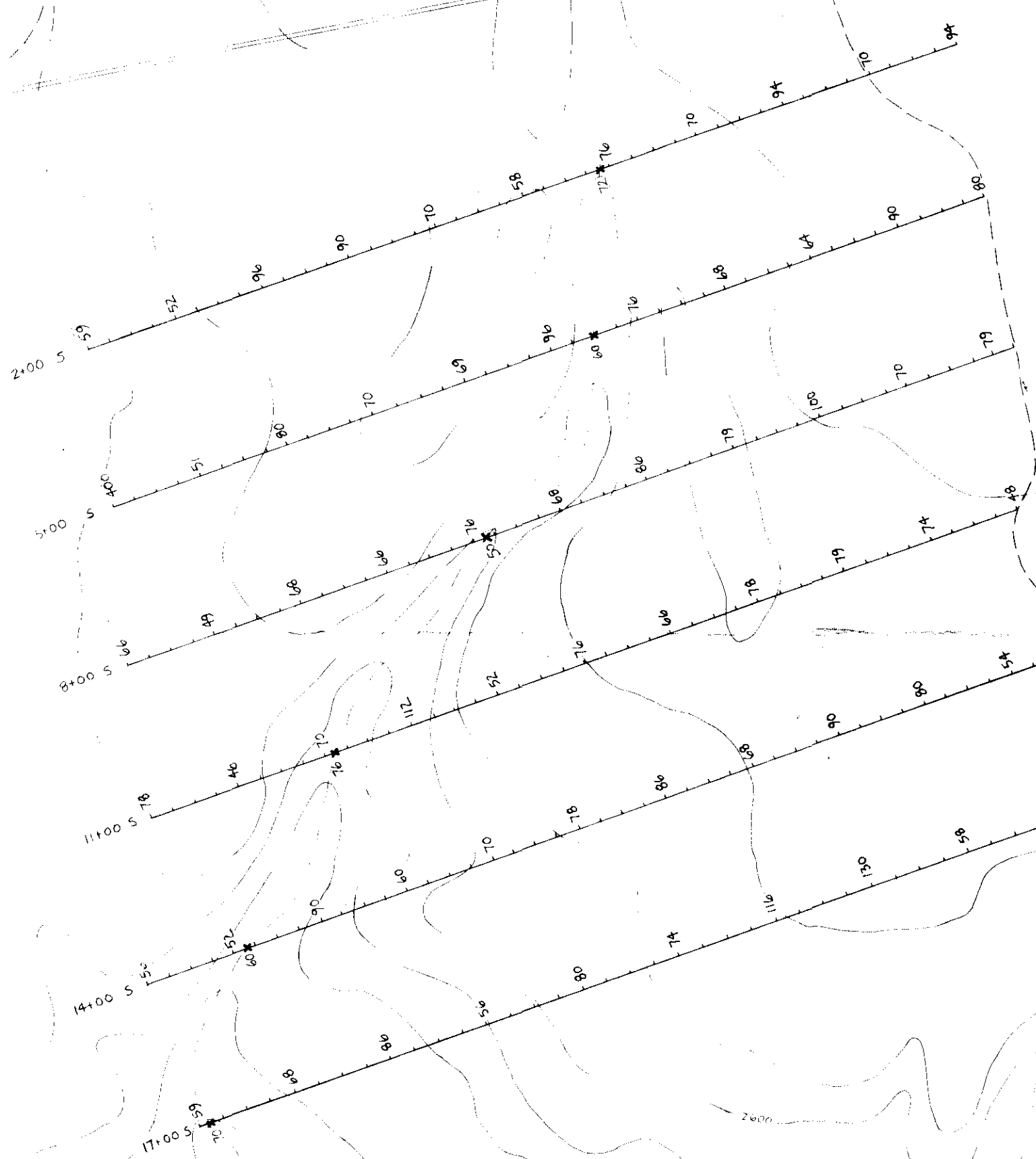
FIRST NUCLEAR CORPORATION
 PROJECT: 22 COTTONWOOD
 MOLYBDENUM GEOCHEMISTRY

1 KM

Dwg. No. 4 Scale: 1:10,000 Drawn By:
 N.T.S. 93G1 Date: Checked By:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 32N | 80 | 75 | 85 | 77 | 68 | 56 | 105 | 90 | 49 | 52 | 44 | 81 | 62 | 82 | 70 | 70 | 68 | 122 | 68 | 67 | 96 | | | | | | |
| 28N | 95 | 80 | 65 | 100 | 60 | 75 | 45 | 125 | 126 | 74 | 85 | 85 | 145 | 110 | 75 | 155 | 100 | 88 | 70 | 64 | 95 | | | | | | |
| 24N | 100 | 95 | 76 | 94 | 85 | 90 | 64 | 103 | 113 | 70 | 48 | 94 | 105 | 65 | 68 | 109 | 135 | 71 | 85 | 95 | 68 | | | | | | |
| 20N | 94 | 70 | 92 | 65 | 67 | 85 | 131 | 90 | 78 | 80 | 70 | 45 | 80 | 98 | 10 | 61 | 83 | 78 | 102 | 77 | 95 | 62 | 107 | 90 | 80 | 62 | |
| 16N | 70 | 80 | 144 | 80 | 68 | 75 | 65 | 67 | 63 | 70 | 85 | 80 | 105 | 120 | 56 | 50 | 142 | 110 | 110 | 85 | 80 | 85 | 95 | 126 | 118 | 70 | |
| 12N | 84 | 63 | 120 | 104 | 80 | 50 | 85 | 214 | 74 | 78 | 180 | 106 | 83 | 85 | 67 | 55 | 50 | 52 | 63 | 130 | 85 | 103 | 57 | 120 | 60 | 192 | |
| 8N | 05 | 78 | 60 | 84 | 110 | 85 | 80 | 35 | 105 | 275 | 80 | 85 | 80 | 85 | 95 | 92 | 122 | 125 | 115 | 194 | 108 | 90 | 92 | 121 | 120 | 53 | |
| 4N | 154 | 128 | 80 | 170 | 83 | 205 | 98 | 90 | 80 | 78 | 80 | 80 | 84 | 70 | 05 | 115 | 125 | 48 | 75 | 52 | 44 | 67 | 80 | 92 | 135 | 80 | |
| 0+00 | 25 | 97 | 80 | 40 | 70 | 35 | 60 | 67 | 73 | 82 | 98 | 65 | 85 | 112 | 68 | 59 | 62 | 63 | 78 | 75 | 130 | 105 | 100 | 115 | 75 | 145 | |
| 4.5 | 76 | 73 | 44 | 65 | 80 | 90 | 45 | 70 | 95 | 75 | 50 | 45 | 48 | 46 | 57 | 49 | 74 | 100 | 123 | 98 | 18 | 84 | 89 | 120 | 78 | 37 | |
| 8.5 | 45 | 48 | 87 | 65 | 70 | 86 | 65 | 72 | 80 | 59 | 60 | 87 | 51 | 48 | 52 | 47 | 48 | 45 | 43 | 60 | 76 | 58 | 170 | 70 | 95 | 68 | |
| 12.5 | 71 | 48 | 80 | 78 | 76 | 94 | 49 | 84 | 103 | 77 | 80 | 69 | 63 | 62 | 48 | 26 | 75 | 94 | 112 | 48 | 67 | 109 | 90 | 145 | 110 | 127 | |
| 16.5 | 02 | 80 | 74 | 100 | 83 | 68 | 77 | 12 | 05 | 57 | 60 | 107 | 95 | 53 | 14 | 20 | 08 | 81 | 80 | 460 | 95 | 125 | 120 | 80 | 120 | 71 | 165 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|----|-----|-----|----|-----|----|-----|-----|-----|-----|----|----|-----|-----|----|-----|-----|------|------|----|-----|----|-----|----|----|--|--|--|
| 0+00 | 68 | 81 | 54 | 44 | 88 | 66 | 159 | 84 | 61 | 53 | 58 | 63 | 80 | 460 | 95 | 125 | 120 | 80 | 120 | 71 | 165 | | | | | | | |
| 1+00 S | 64 | 80 | 74 | 96 | 70 | 92 | 01 | 12 | 38 | 50 | 97 | 69 | 115 | 47 | 76 | 60 | 86 | 89 | 20.5 | | | | | | | | | |
| 2+00 S | 84 | 70 | 80 | 86 | 50 | 71 | 68 | 14 | 47 | 48 | 56 | 14 | 32 | 68 | 95 | 97 | 60 | 24.5 | | | | | | | | | | |
| 3+00 S | 66 | 56 | 46 | 42 | 76 | 51 | 46 | 14 | 114 | 4 | 18 | 40 | 76 | 85 | 84 | 75 | 44 | 90 | 28.5 | | | | | | | | | |
| 4+00 S | 59 | 100 | 70 | 46 | 90 | 56 | 48 | 14 | 59 | 100 | 70 | 46 | 90 | 56 | 48 | 14 | | | | | | | | | | | | |
| 5+00 S | 64 | 70 | 56 | 60 | 114 | 64 | 48 | 52 | 9 | 48 | 18 | 64 | 70 | 56 | 60 | 114 | 64 | 48 | 52 | 9 | 48 | 18 | | | | | | |
| 6+00 S | 76 | 70 | 59 | 84 | 26 | 60 | 50 | 92 | 130 | 13 | 71 | 66 | 76 | 70 | 59 | 84 | 26 | 60 | 50 | 92 | 130 | 13 | 71 | 66 | | | | |
| 7+00 S | 66 | 70 | 81 | 48 | 48 | 71 | 91 | 88 | 77 | 40 | 98 | 58 | 66 | 70 | 81 | 48 | 48 | 71 | 91 | 88 | 77 | 40 | 98 | 58 | | | | |
| 8+00 S | 76 | 86 | 62 | 54 | 76 | 68 | 85 | 70 | 70 | 94 | 61 | 58 | 76 | 86 | 62 | 54 | 76 | 68 | 85 | 70 | 70 | 94 | 61 | 58 | | | | |
| 9+00 S | 82 | 86 | 58 | 66 | 61 | 52 | 57 | 64 | 64 | 48 | 82 | 75 | 82 | 86 | 58 | 66 | 61 | 52 | 57 | 64 | 64 | 48 | 82 | 75 | | | | |
| 10+00 S | 48 | 61 | 74 | 66 | 56 | 47 | 52 | 54 | 84 | 59 | 65 | 51 | 30 | 38 | 78 | 50 | 48 | 61 | 74 | 66 | 56 | 47 | 52 | 54 | | | | |
| 11+00 S | 59 | 74 | 100 | 52 | 10 | 59 | 74 | 100 | 52 | 10 | 59 | 74 | 100 | 52 | 10 | 59 | 74 | 100 | 52 | 10 | 59 | 74 | 100 | 52 | 10 | | | |
| 12+00 S | 68 | 70 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | |



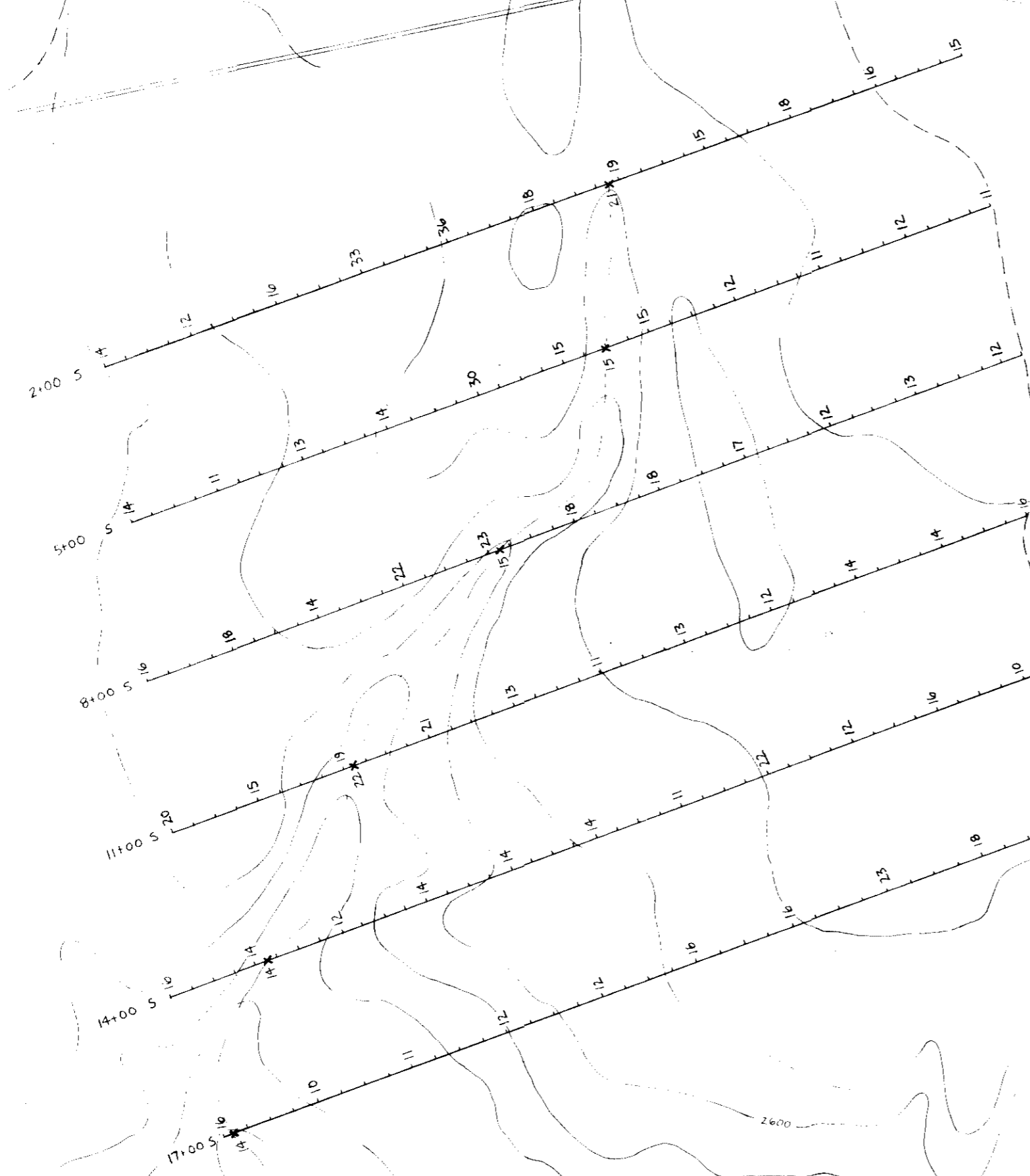
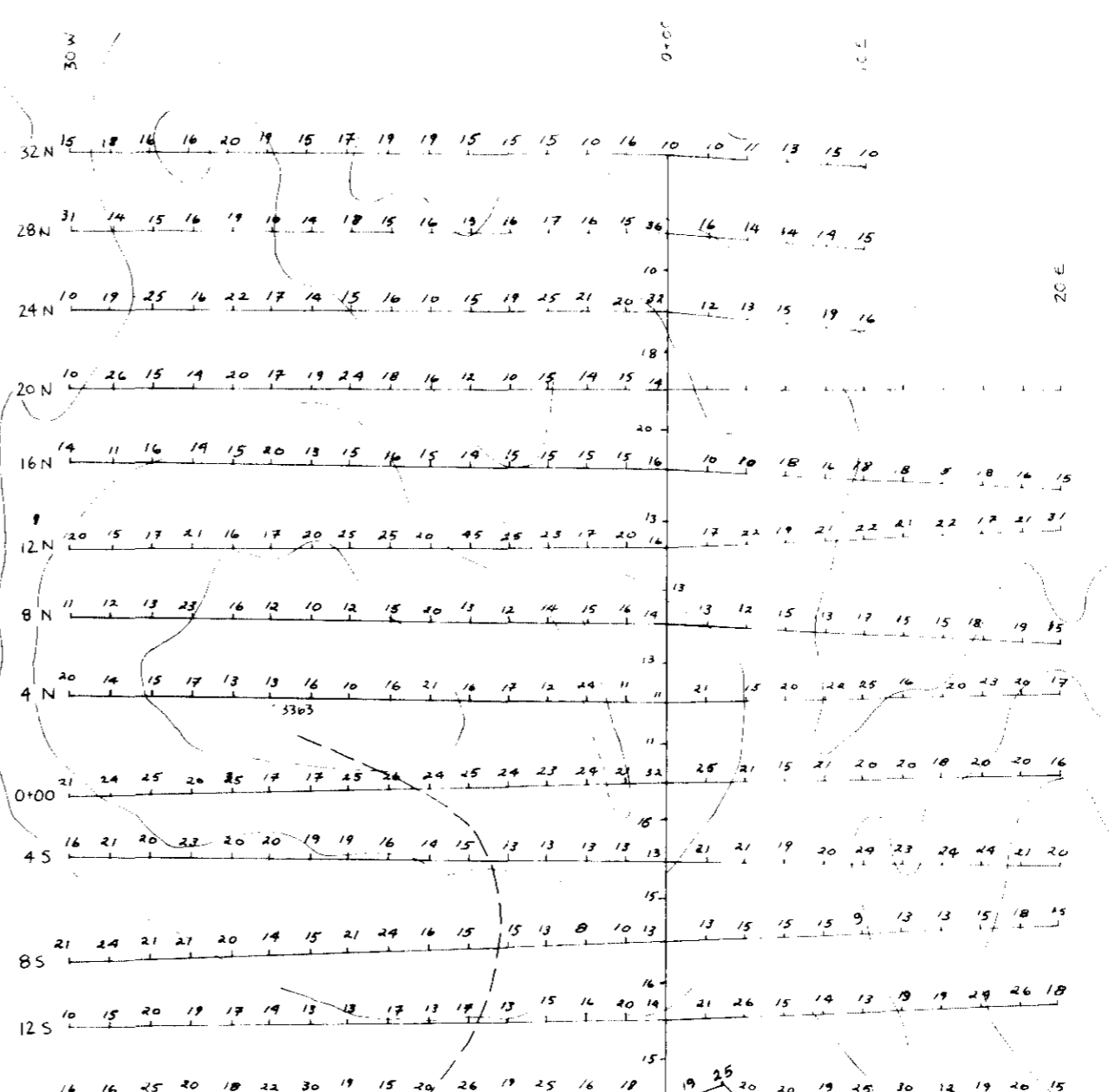
NUMERICAL
ASSESSMENT REPORT
10,506
NO

LEGEND

| | |
|-------|---------------------------------|
| f | soil sample (ppm Zn) |
| x | stream sediment sample (ppm Zn) |
| == | highway |
| - - - | bush road |
| 3000 | topographical contours in feet |

FIRST NUCLEAR CORPORATION
PROJECT: 22 COTTONWOOD
ZINC GEOCHEMISTRY
1 KM

Dwg. No. 5 Scale: 1:10,000 Drawn By:
N.T.S. 93G1 Date: Checked By:



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,506
No.

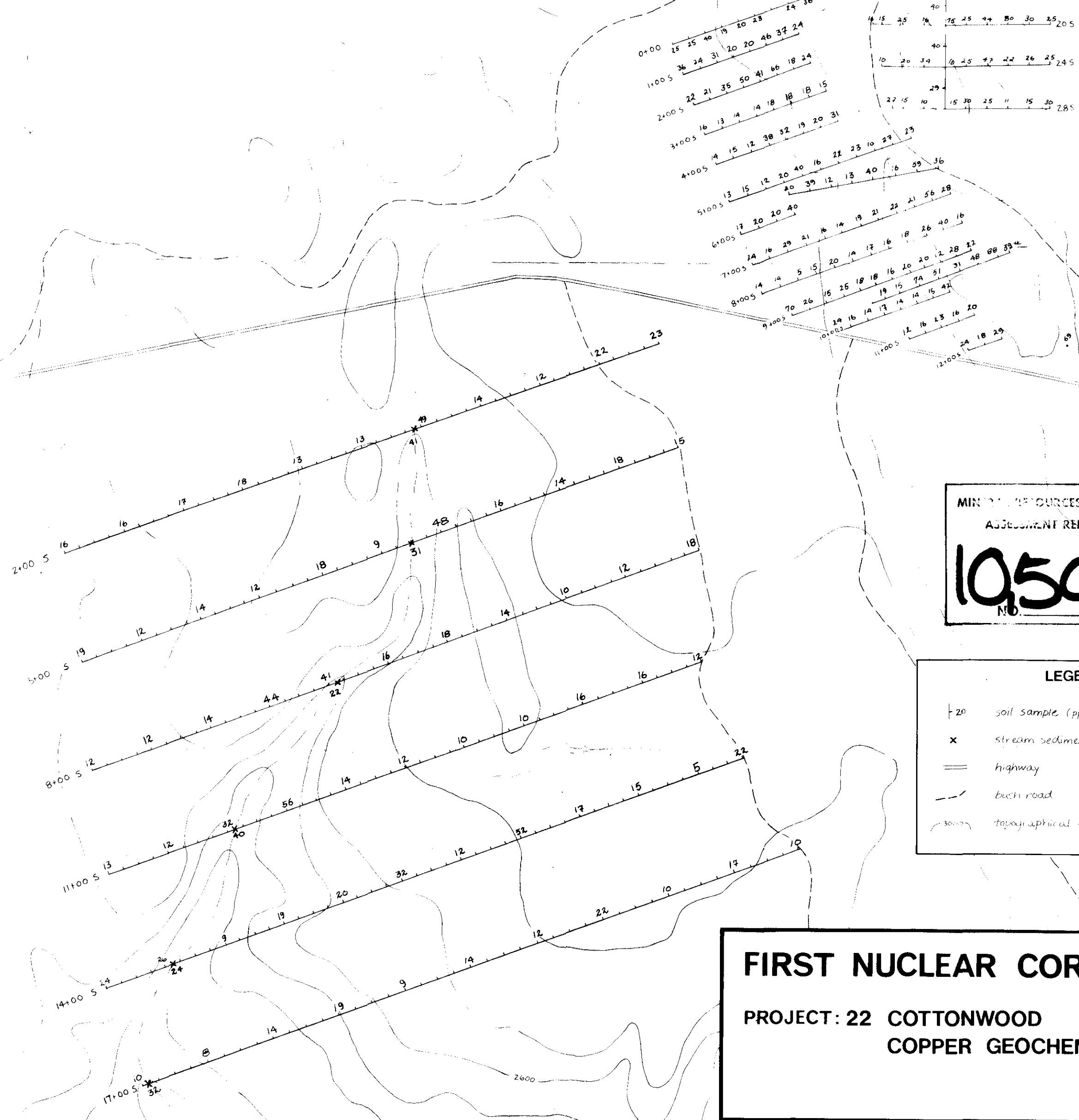
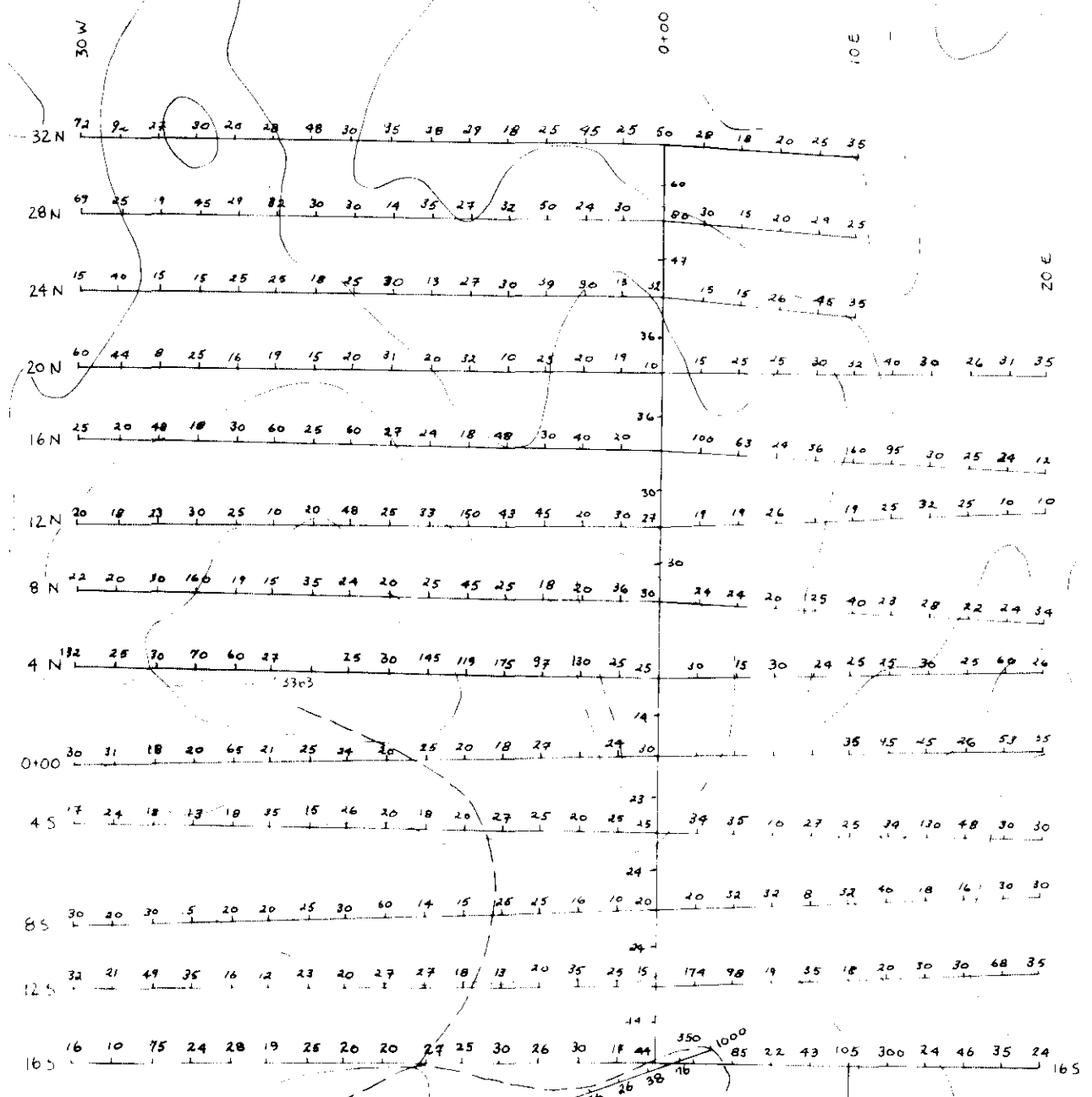
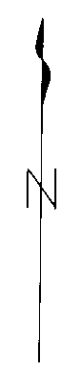
LEGEND

- soil sample. (ppm Pb)
- x stream sediment sample. (ppm Pb)
- == highway
- - - bush road
- - - topographical contours in feet

FIRST NUCLEAR CORPORATION
PROJECT: 22 COTTONWOOD
LEAD GEOCHEMISTRY
1 KM

Dwg. No. 6 Scale: 1: 10,000 Drawn By:
N.T.S. 93G1 Date: Checked By:

122° 20'



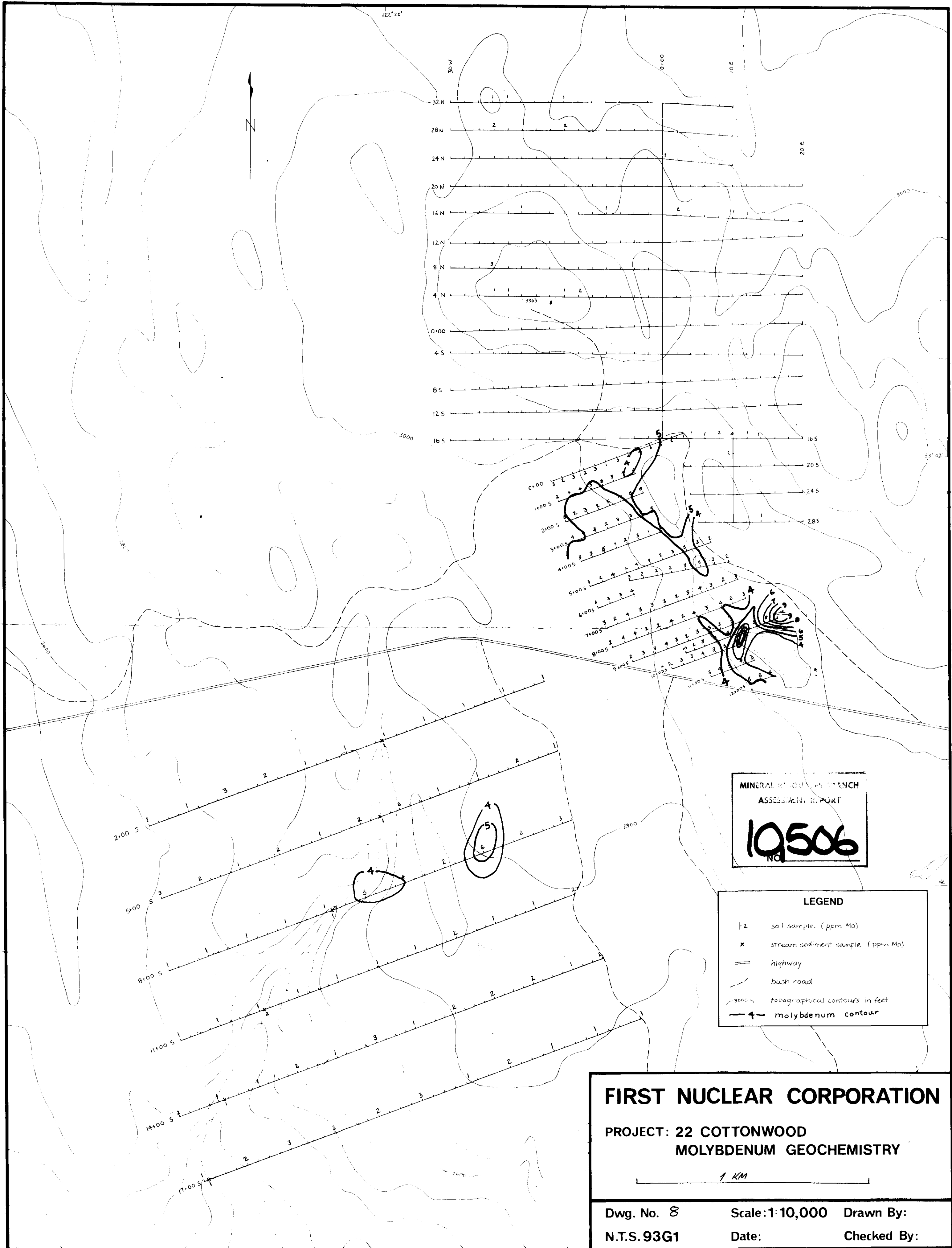
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,506
NO.

LEGEND

| | |
|-------|---------------------------------|
| 20 | soil sample (ppm Cu) |
| x | stream sediment sample (ppm Cu) |
| == | highway |
| - - - | bush road |
| ~ | topographical contours in feet |

FIRST NUCLEAR CORPORATION
PROJECT: 22 COTTONWOOD
COPPER GEOCHEMISTRY

Dwg. No. **7** Scale: 1:10,000 Drawn By:
N.T.S. 93G1 Date: Checked By:

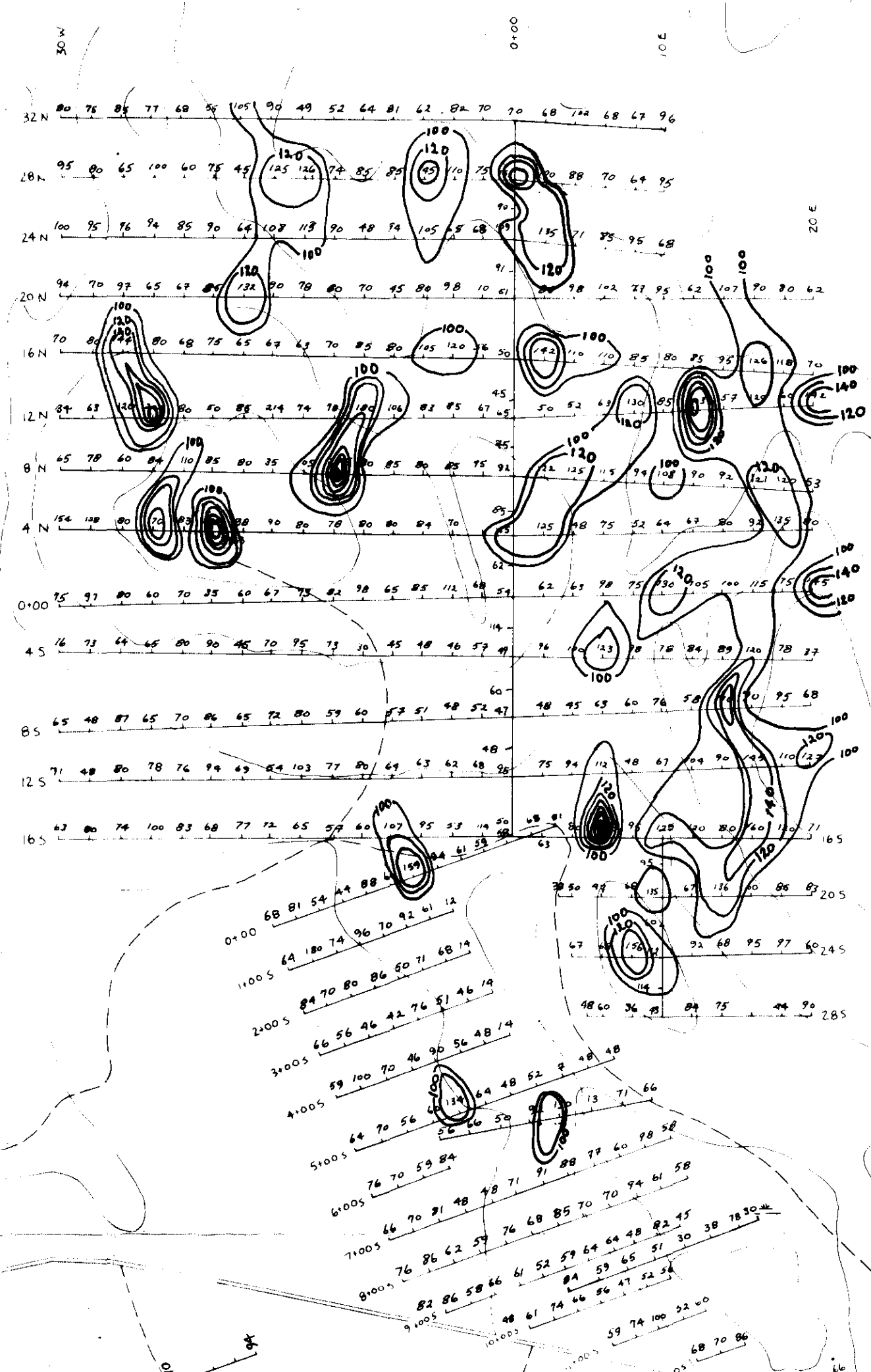


MINERAL RESEARCH BRANCH
 ASSESSMENT REPORT
19506
 NO

| LEGEND | |
|--------|---------------------------------|
| Tz | soil sample (ppm Mo) |
| x | stream sediment sample (ppm Mo) |
| == | highway |
| - - - | bush road |
| ~ | topographical contours in feet |
| - 4 - | molybdenum contour |

FIRST NUCLEAR CORPORATION
 PROJECT: 22 COTTONWOOD
 MOLYBDENUM GEOCHEMISTRY
 1 KM

Dwg. No. 8 Scale: 1:10,000 Drawn By:
 N.T.S. 93G1 Date: Checked By:



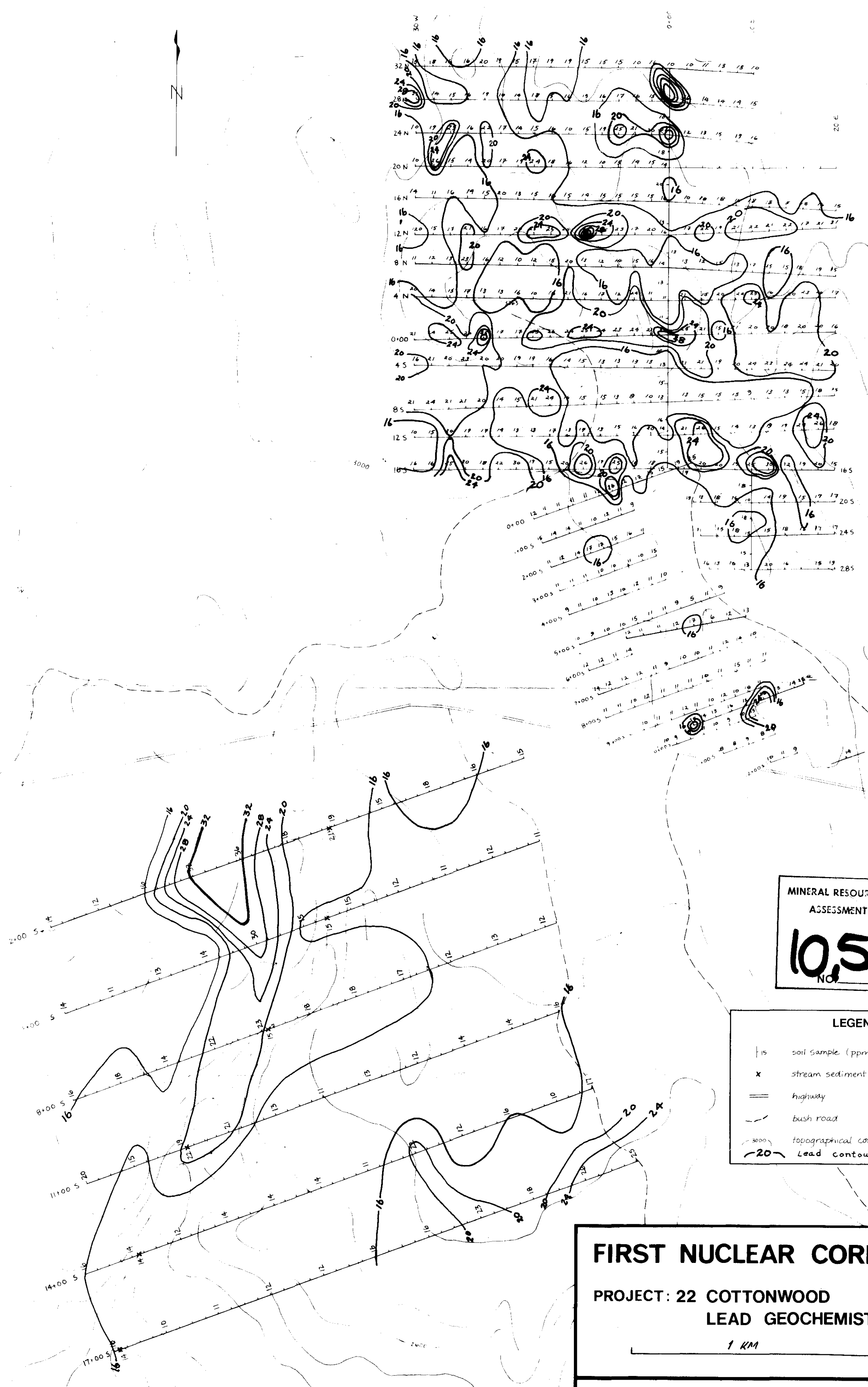
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,506
No.

LEGEND

| | |
|-------|---------------------------------|
| + | soil sample (ppm Zn) |
| x | stream sediment sample (ppm Zn) |
| == | highway |
| - - - | bush road |
| 3000 | topographical contours in feet |
| 100 | ZINC level contours |

FIRST NUCLEAR CORPORATION
PROJECT: 22 COTTONWOOD
ZINC GEOCHEMISTRY
1 KM

Dwg. No. 9 Scale: 1:10,000 Drawn By:
N.T.S. 93G1 Date: Checked By:

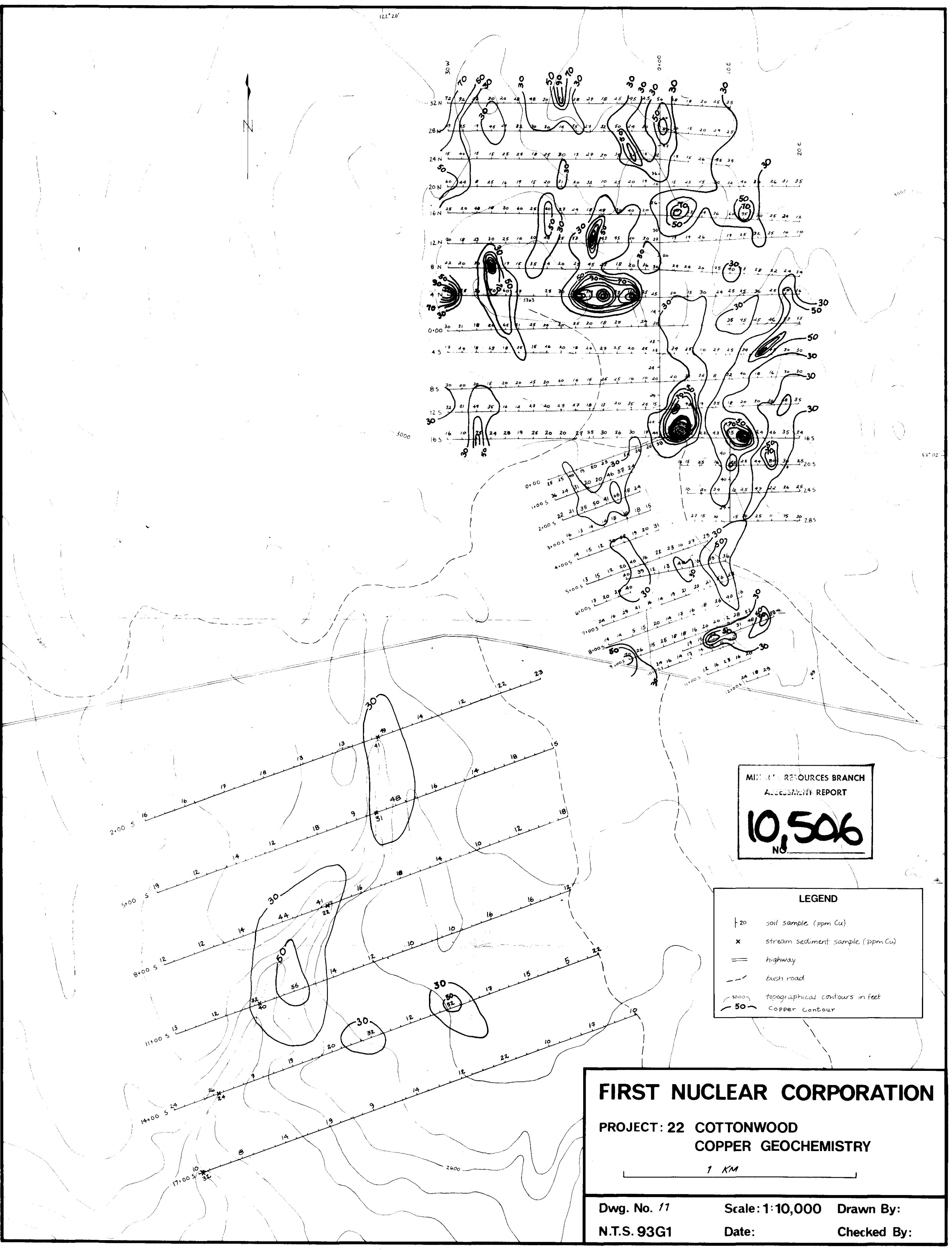


MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
10,506
 NO.

- LEGEND**
- | 15 soil sample (ppm Pb)
 - x stream sediment sample (ppm Pb)
 - == highway
 - - - bush road
 - 3000 topographical contours in feet
 - 20 Lead contours

FIRST NUCLEAR CORPORATION
 PROJECT: 22 COTTONWOOD
 LEAD GEOCHEMISTRY
 1 KM

Dwg. No. 10 Scale: 1:10,000 Drawn By:
 N.T.S. 93G1 Date: Checked By:



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
10,506
 NO.

| LEGEND | |
|--------|---------------------------------|
| 20 | soil sample (ppm Cu) |
| x | stream sediment sample (ppm Cu) |
| == | highway |
| - - - | bush road |
| 3000 | topographical contours in feet |
| 50 | Copper Contour |

FIRST NUCLEAR CORPORATION
PROJECT: 22 COTTONWOOD
COPPER GEOCHEMISTRY
 1 KM

Dwg. No. 11 Scale: 1:10,000 Drawn By:
 N.T.S. 93G1 Date: Checked By: