

PRELIMINARY 1971 EXPLORATION REPORT

Pelly River Mines

Anvil Mining District

Central Yukon Territory

018853

PRELIMINARY 1971 EXPLORATION REPORT

PELLY RIVER MINES

ANVIL MINING DISTRICT, CENTRAL YUKON TERRITORY

by:
Uldis Jansons, Chief Exploration Geologist
Anvil Mining Corporation Limited
Faro, Yukon Territory

November 8, 1971

Exploration for Anvil Mining Corporation and Pelly River Mines in the Anvil Mining District in the Central Yukon during 1971 included geological mapping, soil geochemistry, overburden and bedrock geochemistry, rotary and diamond drilling. Exploration was restricted to claims in the area bordered by Next Creek to the northwest and by Blind Creek to the southeast, as shown on Figure I. There is approximately 71 square miles of area, of which 60.8 square miles are claimed by Anvil and 10.2 square miles are claimed by Pelly River Mines.

Geological mapping defined rock types, "stratigraphic" and structural relations of metamorphosed rock units. The geochemical soil sampling program successfully located zones of known mineralization at Faro, Vangorda, Firth, possibly at Champ, and possible extensions to the northwest of the Vangorda mineralized zone onto Anvil claims and to the southeast onto Pelly River Mines claims.

Rotary drilling of overburden and bedrock allowed sampling of subsoil material for chemical analysis as well as identification of bedrock geology in areas of deep cover. The overburden drilling outlined a zone of highly anomalous metal values on the DY claims. Metal values in these samples reached a maximum 0.69% Zn with several other values, both lead and zinc, exceeding 1000 PPM metal. Three rotary holes were deepened to about 400 feet on basis of the geochemical results. Hole 71-028, deepened as 71-197, contained more than 1000 PPM combined lead-zinc from 130 to 405 feet, with the interval between 140 and 190 feet containing more than 0.4% combined lead-zinc, and with a maximum 0.60% combined lead-zinc in the 160 - 170 foot interval. Other areas of anomalous, but lower abundance of metals, have also been identified.

The exploration program for 1971 has progressed to diamond drilling of targets selected by integration of geological and geochemical data obtained by this years program and the previously acquired geophysical results. Five diamond drill holes have been approved for the Faro area, and one on the SUN claims. An additional drill hole has been proposed for the DY area.

Geology

Regional geology in the Anvil area was undertaken to complement the regional geophysical and geochemical data. The areas mapped fall into two separate groups - i) those spatially closely related to the Faro claims; and ii) those spatially closely related to the Vangorda, Firth, and Champ orebodies of Kerr Addison Mining Co. Ltd. A detailed orientation of rock types, structures, and their relation to the Faro orebodies was obtained through geologic mapping of the Faro pit. Regional geological mapping expanded radially from the Faro pit onto the surrounding Faro claims. Geology was also mapped to the northwest and southeast of the Vangorda claim group in areas of interest based on geochemical or geophysical results. The general geology of the mapped areas is shown on Figure I. The Pelly River Mines ground for which surface geological information was obtained is BILL, L.O., TIE, BOB, and LAKE claims.

The rock types identified in the pit in decreasing stratigraphic position are phyllite, calc-silicate "gneiss", and biotite-sericite schist. These rock units extend on the surrounding claims. The major structure identified on the Faro claims is a N.W. - S.E. trending anticline. The Faro zone orebodies are located within the sericite biotite schist unit located near the crest of this anticline, possibly on the southwesterly dipping limb of this same structure.

In the Vangorda claim area, which is bordered on the southeast by the BOB and LAKE claims and on the northwest by the TIE claims, the principal rock unit identified is muscovite biotite phyllite, with minor amphibolite and granite. From regional mapping it appears that the amphibolites are conformably interlayered with the sericite-biotite phyllite. The granite is a poorly exposed dike which cross cuts the sericite-biotite phyllite. The major structure in this area, as detailed by regional mapping, is a NW-SE trending doubly plunging anticline. The Firth, Champ, and Vangorda orebodies are on the southwesterly dipping flank near the northwestern end of this structure. From the available field work, it appears that these deposits may be located in approximately the same stratigraphic horizon.

Geochemistry

Geochemical prospecting included soil sampling and overburden and bedrock sampling for chemical analysis. These samples were analyzed for their total Cu, Pb, Zn, and Hg content to delineate areas of anomalous metal content.

Soil Sampling

The soil geochemistry for 1971 consisted of sampling nearly 4500 "B" soil horizon samples on a 1200 x 200 foot grid. The samples collected at 400 foot centers on the lines spaced 1200 feet apart were screened to -80 mesh and the fine fraction was analyzed for total Cu, Pb, and Zn content. The average metal content in "B" horizon soils was calculated as 29 PPM Cu, 33 PPM Pb, and 84 PPM Zn. In areas where samples contained anomalous metal values (more than two times the arithmetic average), the intermediate samples were also analyzed for total Cu, Pb, and Zn content. These data were plotted and then contoured at intervals of two, three, four, and more than four times the average metal value in soil samples. The areas of anomalous Cu, Pb, and Zn are shown on Figures 2, 3, and 4 respectively.

The metal distribution when contoured showed no apparent relation to rock types but readily identified the areas of known mineralization. The lead and zinc soil geochemical values appear to trace the extension of the Vangorda mineralized zone northwest on SUN-GAL-TIE claims and southeast onto the BOB claims. The area on the BOB claims where this anomaly extends coincides with aerial electrical and magnetic anomalies detected in the original Lockwood survey. A small gossan in the adjacent swamp shows iron being leached from this same area. One rock outcrop sample from this area contained more than 2600 PPM Pb. Three Kerr-Addison diamond drill holes were located in this area. An attempt to relog this core, which was stored at the Vangorda camp, was futile due to the disrepair of the core racks. The partial core that was recovered from these holes contained no visible sulfide mineralization.

Overburden and Bedrock Sampling

Overburden and bedrock sampling for chemical analysis and identification of bedrock geology was by rotary drilling. Drilling locations were on 1000 foot stations on lines spaced approximately 2400 feet apart, designed to give an adequate coverage of the claim area. The distribution of these holes is shown on Figures 2, 3, and 4. A total of 206 rotary holes was drilled consisting of approximately 18,601 feet of overburden and bedrock. Of this total, 4,764 feet (or approximately 26%) were on ground controlled by Pelly River Mines. Overburden and bedrock samples were collected in ten foot intervals. The overburden samples were screened to -80 mesh and the fine fraction was analyzed for total Cu, Pb, Zn and Hg content. Bedrock material was analyzed for total Cu, Pb, Zn and Hg content. Selected samples with anomalous metal content were also analyzed for Cd.

The average metal content in overburden and bedrock is 43 PPM Cu, 44 PPM Pb, and 133 PPM Zn. The average mercury content is 77 PPM in overburden and 52 PPM in bedrock.

Several areas of anomalous metal content (more than two times the arithmetic average) in overburden and bedrock were found. An area of apparent clustering of drill holes with anomalous metal content in overburden and bedrock material was located on the DY-BOB-RICH claims. Three holes in the DY-RICH area were deepened to a maximum of 430 feet. One hole, 71-028, redrilled as 71-197, yielded anomalous metal values in bedrock. The combined Pb-Zn increased from a value of 1890 PPM at 130 - 140 feet near the top of the bedrock intersection, to a maximum of 0.6% combined lead-zinc at a depth of 160-170 feet, and gradually decreased to a value of 0.11 Pb-Zn at 405 feet, at which drilling had been stopped. The two other drill holes revealed no anomalous values in the bedrock.

The bedrock geology was identified for all holes and all anomalous samples were examined for intervals where anomalous metal values were detected. Base metal sulfides were not noted in the initial logging of samples from hole 71-197.

Budget

The overall expenditures to November 1, 1971 are presented and the charge apportioned to Pelly River Mines and Rose Creek-Vangorda Mines is calculated and shown on Table I. The charge apportioned to Pelly River Mines is based on the percentage of the work done on these claims. The fraction charged to Rose Creek-Vangorda is 28% of the Pelly River Mines charge to October 31, 1971. The geology and related costs were charged on basis of the area mapped on Pelly River Mines claims as compared with the total area mapped. This percentage was determined by planimetry and showed 12% of the area covered as Pelly River Mines ground. The geochemical soil sampling analysis and related costs were apportioned on basis of the number of samples taken from Pelly River Mines claims as compared to the samples collected. Twenty percent of the samples were from Pelly River Mines claims. The rotary drilling and all related costs were apportioned on a footage basis. A total of 18,601 feet were drilled, and of this amount 4,764 feet, or about 26%, were on Pelly River Mines claims. The total estimated expenditures were \$397,366. Of this total, \$99,902 were apportioned to Pelly River Mines and of this total \$27,972 were apportioned to Rose Creek-Vangorda Mines.

Claim Status

The Pelly River Mines claims (130 claims, 71 fractions) are in six groups (BILL, BOB, L.O., LAKE, JOE, TIE) with different status and assessment requirements. The assessment status of individual Pelly River Mines claims and the requested extensions are shown in Table II. The BILL claims and the related fractions are valid until July 1, 1975. The BOB claims have an anniversary date of July 1, 1972, while the related fractions have an anniversary date of July 1, 1974. The JOE claims have anniversary dates July 1, 1973 and July 1, 1975. The LAKE claims have an anniversary date of July 1, 1972 and have been filed for a one year extension, while four of the LAKE related fractions have a July 1, 1974 anniversary date, six fractions have a July 1, 1973 anniversary date, and eleven fractions have a July 1, 1972 anniversary date. The L.O. claims and related fractions have an anniversary date of July 1, 1975 and no additional time extension has been requested at this time. The TIE claims and related fractions with an anniversary date of July 1, 1971 have been filed on for two and four year periods to bring the anniversary dates of most of these to July 1, 1973 and July 1, 1975 in exploration for some.

Claim Status (Cont'd.)

All monies spent in exploration but not allocated for assessment will be redistributed to obtain the maximum time extensions for claims.

Future Program for 1971

A diamond drilling program has been started on October 21, 1971 on the Anvil and related claims. Six holes have been proposed and approved, with additional holes pending on the drilling results and funds available. These are shown on the appended figure I.

For the time being, the proposed drill holes are located around Faro orebodies - the targets are based as extensions of known orebodies. These targets are to test possible dip or strike and stratigraphic extensions of known mineralized zones. The sites were selected in conjunction with known geochemical or/and geophysical data.

One of these drill holes testing the possible down-dip extension of the No. 2 orebody is selected for the Pelly River Mines BILL claims near the junction of the North Fork of Rose Creek and Rose Creek.

TABLE I

EXPENDITURES TO OCTOBER 31, 1971

| | <u>Estimated to Have Been Spent</u> | <u>Fraction To P.R.M.</u> | <u>Fraction To RC - VG</u> |
|---------------------|---|-------------------------------|--------------------------------|
| Drilling Costs | | | |
| Contract | 285,405 | 74,205 | 20,777 |
| Analysis | 4,135 | 1,075 | 301 |
| Equipment Costs | | | |
| Costs (Except Fuel) | 20,730 | 5,390 | 1,509 |
| Fuel | 14,500 | 3,770 | 1,056 |
| Camp Costs | | | |
| Labor & Supplies | 21,220 | 5,517 | 1,545 |
| Consulting | | | |
| Orientation Surveys | 5,790 | 1,158 | 324 |
| Soil Sampling | | | |
| Labor | 4,330 | 866 | 242 |
| Materials | 550 | 110 | 31 |
| Analysis | 9,765 | 1,953 | 547 |
| Geology | | | |
| Labor | 16,085 | 1,995 | 559 |
| Supervision | | | |
| Labor | 10,856 | 2,823 | 790 |
| Supplies | 4,000 | 1,040 | 291 |
| TOTAL | 397,366 | 99,902 | 27,972 |

TABLE II

PELLY RIVER MINES CLAIMS

BOB CLAIM

| <u>CLAIMS</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|---------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1972</u> | <u>1973</u> | <u>1974</u> | <u>1975</u> |
| BOB 1 | 85655 | July 1 | | | |
| 2 | 85656 | July 1 | | | |
| 3 | 85657 | July 1 | | | |
| 4 | 85658 | July 1 | | | |
| 5 | 85659 | July 1 | | | |
| 6 | 85660 | July 1 | | | |
| 7 | 85661 | July 1 | | | |
| 8 | 85662 | July 1 | | | |
| 9 | 85663 | July 1 | | | |
| 10 | 85664 | July 1 | | | |
| 11 | 85665 | July 1 | | | |
| 12 | 85666 | July 1 | | | |
| 13 | 85667 | July 1 | | | |
| 14 | 85668 | July 1 | | | |
| 15 | 85669 | July 1 | | | |
| 16 | 85670 | July 1 | | | |
| 17 | 85671 | July 1 | | | |
| 18 | 85672 | July 1 | | | |
| 19 | 85673 | July 1 | | | |
| 20 | 85674 | July 1 | | | |
| 21 | 85675 | July 1 | | | |
| 22 | 85676 | July 1 | | | |
| 23 | 85677 | July 1 | | | |
| 24 | 85678 | July 1 | | | |

RELATED FRACTIONS:

| | | |
|------------|---------|--------|
| QUE 21 fr. | Y 10659 | July 1 |
| 22 fr. | Y 10660 | July 1 |
| 23 fr. | Y 10661 | July 1 |
| 24 fr. | Y 10662 | July 1 |
| 25 fr. | Y 10663 | July 1 |
| 26 fr. | Y 10664 | July 1 |
| 33 fr. | Y 10671 | July 1 |
| 34 fr. | Y 10672 | July 1 |
| 35 fr. | Y 10673 | July 1 |
| 36 fr. | Y 10674 | July 1 |
| 41 fr. | Y 10679 | July 1 |
| 42 fr. | Y 10680 | July 1 |
| 80 fr. | Y 10687 | July 1 |
| 81 fr. | Y 10688 | July 1 |

TABLE II (CONT'D.)

PELLY RIVER MINES CLAIMS

BILL CLAIM

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1975</u> | <u>1976</u> | <u>1977</u> | <u>1978</u> |
| BILL 16 | 85598 | July 1 | | | |
| 17 | 85599 | July 1 | | | |
| 18 | 85600 | July 1 | | | |
| 20 | 85602 | July 1 | | | |
| 22 | 85604 | July 1 | | | |
| 24 | 85606 | July 1 | | | |
| 26 | 85608 | July 1 | | | |
| 28 | 85610 | July 1 | | | |
| 30 | 85612 | July 1 | | | |
| 32 | 85614 | July 1 | | | |
| 33 | 85615 | July 1 | | | |
| 34 | 85616 | July 1 | | | |
| 35 | 85617 | July 1 | | | |
| 36 | 85618 | July 1 | | | |
| 37 | 85619 | July 1 | | | |
| 38 | 85620 | July 1 | | | |

RELATED FRACTIONS:

| | | |
|------------|---------|--------|
| QUE F6 fr. | Y 10566 | July 1 |
| F7 fr. | Y 10567 | July 1 |
| F8 fr. | Y 10568 | July 1 |
| F9 fr. | Y 10569 | July 1 |

TABLE II (CONT'D.)

PELLE RIVER MINES CLAIMS

JOE CLAIM

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1973</u> | <u>1974</u> | <u>1975</u> | <u>1976</u> |
| JOE 2 | 85680 | July 1 | | | |
| 4 | 85682 | July 1 | | | |
| 6 | 85684 | July 1 | | | |
| 8 | 85686 | July 1 | | | |
| 10 | 85688 | | | July 1 | |
| 12 | 85690 | | | July 1 | |
| 14 | 85692 | | | July 1 | |
| 16 | 85694 | | | July 1 | |
| 17 | 85695 | | | July 1 | |
| 18 | 85696 | | | July 1 | |

RELATED FRACTIONS:

| | | | | |
|------------|--------|--------|--|--------|
| QUE 16 Fr. | Y10575 | July 1 | | |
| 18 Fr. | Y10577 | | | July 1 |

TABLE II (CONT'D.)

PELLY RIVER MINES CLAIMS

LAKE CLAIM

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1972</u> | <u>1973</u> | <u>1974</u> | <u>1975</u> |
| LAKE 1 | 85763 | July 1 | | | |
| 2 | 85764 | July 1 | | | |
| 3 | 85765 | July 1 | | | |
| 4 | 85766 | July 1 | | | |
| 5 | 85767 | July 1 | | | |
| 6 | 85768 | July 1 | | | |
| 7 | 85769 | July 1 | | | |
| 8 | 85770 | July 1 | | | |
| 9 | 85771 | July 1 | | | |
| 10 | 85772 | July 1 | | | |
| 11 | 85773 | July 1 | | | |
| 12 | 85774 | July 1 | | | |
| 13 | 85775 | July 1 | | | |
| 14 | 85776 | July 1 | | | |
| 15 | 85777 | July 1 | | | |
| 16 | 85778 | July 1 | | | |
| 17 | 85779 | July 1 | | | |
| 18 | 85780 | July 1 | | | |
| 19 | 85781 | July 1 | | | |
| 20 | 85782 | July 1 | | | |
| 21 | 85783 | July 1 | | | |
| 22 | 85784 | July 1 | | | |
| 23 | 85785 | July 1 | | | |
| 24 | 85786 | July 1 | | | |
| 25 | 85787 | July 1 | | | |
| 26 | 85788 | July 1 | | | |
| 27 | 85789 | July 1 | | | |
| 28 | 85790 | July 1 | | | |
| 29 | 85791 | July 1 | | | |
| 30 | 85792 | July 1 | | | |
| 31 | 85793 | July 1 | | | |
| 32 | 85794 | July 1 | | | |
| 33 | 85795 | July 1 | | | |
| 34 | 85796 | July 1 | | | |
| 35 | 85797 | July 1 | | | |
| 36 | 85798 | July 1 | | | |
| 37 | 85799 | July 1 | | | |
| 38 | 85800 | July 1 | | | |
| 39 | 85801 | July 1 | | | |
| 40 | 85802 | July 1 | | | |

RELATED FRACTIONS:

| | | |
|------------|--------|--------|
| QUE 27 Fr. | Y10665 | July 1 |
| 28 Fr. | Y10666 | July 1 |
| 29 Fr. | Y10667 | July 1 |

TABLE II (CONT'D.)

PELLY RIVER MINES CLAIMS

LAKE CLAIM

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|---------------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1972</u> | <u>1973</u> | <u>1974</u> | <u>1975</u> |
| <u>RELATED FRACTIONS:</u> | | | | | |
| QUE 30 Fr. | Y10668 | | | July 1 | |
| 38 Fr. | Y10676 | | July 1 | | |
| 39 Fr. | Y10677 | | July 1 | | |
| 40 Fr. | Y10678 | July 1 | | | |
| 43 Fr. | Y10841 | July 1 | | | |
| 44 Fr. | Y10842 | July 1 | | | |
| 45 Fr. | Y10843 | July 1 | | | |
| 46 Fr. | Y10844 | July 1 | | | |
| 49 Fr. | Y10681 | July 1 | | | |
| 75 Fr. | Y10682 | July 1 | | | |
| 76 Fr. | Y10683 | July 1 | | | |
| 77 Fr. | Y10684 | July 1 | | | |
| 78 Fr. | Y10685 | July 1 | | | |
| 79 Fr. | Y10686 | July 1 | | | |
| 82 Fr. | Y10689 | | July 1 | | |
| 83 Fr. | Y10690 | | July 1 | | |
| 84 Fr. | Y10691 | | July 1 | | |
| 85 Fr. | Y10692 | | July 1 | | |

TABLE II (CONT'D.)

PELLY RIVER MINES CLAIMS

L.O.

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1975</u> | <u>1976</u> | <u>1977</u> | <u>1978</u> |
| L.O. 4 | 94121 | July 1 | | | |
| 5 | 94122 | July 1 | | | |
| 6 | 94123 | July 1 | | | |
| 7 | 94124 | July 1 | | | |
| 8 | 94129 | July 1 | | | |
| 9 | 94130 | July 1 | | | |
| 10 | 94131 | July 1 | | | |
| 11 | 94132 | July 1 | | | |
| 12 | 94133 | July 1 | | | |
| 13 | 94134 | July 1 | | | |
| 14 | 94135 | July 1 | | | |
| 15 | 94136 | July 1 | | | |
| 16 | 94137 | July 1 | | | |
| 17 | 94138 | July 1 | | | |
| 18 | 94139 | July 1 | | | |
| 19 | 94140 | July 1 | | | |

RELATED FRACTIONS:

| | | |
|------------|--------|--------|
| QUE 10 Fr. | Y10570 | July 1 |
| 11 Fr. | Y10571 | July 1 |
| 12 Fr. | Y10572 | July 1 |
| 13 Fr. | Y10573 | July 1 |
| 14 Fr. | Y10574 | July 1 |

TABLE II (CONT'D.)

PELLY RIVER MINES CLAIMS

TIE

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1971</u> | <u>1973</u> | <u>1975</u> | <u>1977</u> |
| TIE 1 | 85719 | | July 1 | | |
| 2 | 85720 | | July 1 | | |
| 3 | 85721 | | July 1 | | |
| 4 | 85722 | | July 1 | | |
| 5 | 85723 | | July 1 | | |
| 6 | 85724 | | July 1 | | |
| 7 | 85725 | | July 1 | | |
| 8 | 85726 | | July 1 | | |
| 9 | 85727 | | July 1 | | |
| 10 | 85728 | | July 1 | | |
| 11 | 85729 | | July 1 | | |
| 12 | 85730 | | July 1 | | |
| 13 | 85731 | July 1 | | | |
| 14 | 85732 | July 1 | | | |
| 15 | 85733 | July 1 | | | |
| 16 | 85734 | July 1 | | | |
| 17 | 85735 | July 1 | | | |
| 18 | 85736 | July 1 | | | |
| 19 | 85737 | July 1 | | | |
| 20 | 85738 | July 1 | | | |
| 21 | 85739 | July 1 | | | |
| 22 | 85740 | July 1 | | | |
| 23 | 85741 | July 1 | | | |
| 24 | 85742 | July 1 | | | |

RELATED FRACTIONS:

| | | | | |
|------------|-------|--------|--------|--|
| WHI 21 Fr. | Y1278 | July 1 | | |
| 22 Fr. | Y1279 | July 1 | | |
| 23 Fr. | Y1280 | July 1 | | |
| 24 Fr. | Y1281 | July 1 | | |
| 25 Fr. | Y1282 | July 1 | | |
| 26 Fr. | Y1283 | | July 1 | |
| 27 Fr. | Y1286 | July 1 | | |
| 28 Fr. | Y1287 | July 1 | | |
| 29 Fr. | Y1288 | | July 1 | |
| 30 Fr. | Y1289 | | July 1 | |
| 31 Fr. | Y1290 | | July 1 | |
| 32 Fr. | Y1291 | | July 1 | |
| 33 Fr. | Y1284 | July 1 | | |
| 34 Fr. | Y1285 | July 1 | | |

TABLE II (CONT'D.)

PELLY RIVER MINES CLAIMS

TIE

| <u>CLAIM NO.</u> | <u>GRANT NO.</u> | <u>ASSESSMENT WORK DUE</u> | | | |
|---------------------------|------------------|----------------------------|-------------|-------------|-------------|
| | | <u>1971</u> | <u>1973</u> | <u>1975</u> | <u>1977</u> |
| <u>RELATED FRACTIONS:</u> | | | | | |
| WHI 118 Fr. | Y4370 | | | July 1 | |
| 119 Fr. | Y4371 | | July 1 | | |
| 120 Fr. | Y4372 | July 1 | | | |
| 121 Fr. | Y4373 | July 1 | | | |
| 122 Fr. | Y4374 | July 1 | | | |
| 123 Fr. | Y4375 | July 1 | | | |
| 124 Fr. | Y4376 | | July 1 | | |
| 125 Fr. | Y4377 | | | July 1 | |
| 126 Fr. | Y4378 | July 1 | | | |
| 127 Fr. | Y4379 | July 1 | | | |
| QUE 17 Fr. | Y10576 | July 1 | | | |

November 24, 1971

Mr. W. F. Walthall,
Rose Creek Vangorda Mines Limited,
c/o Suite 806, Harbour View Apts.,
1920 Alberni Street,
Vancouver 5, B. C.

Dear Frank,

Please find enclosed two copies of a Preliminary 1971 Exploration
Report for Pelly River Mines. Should you need further information,
please do not hesitate to contact us.

Yours very truly,

R. E. Thurmond

RET/sn
Encls.

MEMORANDUM

RECEIVED
NOV 22 1971

ANVIL MINING CORPORATION
LIMITED

TO: R. E. Thurmond
FROM: U. Jansons
DATE: November 18, 1971
SUBJECT: PRELIMINARY REPORT FOR PELLY RIVER MINES

I have mailed three copies of a preliminary report for Pelly River Mines which had been requested by Frank Walthall.

Please review the report and forward to Frank Walthall one of the copies.

Also enclosed are summary logs of Diamond Drill Holes 71-207, 71-208, and 71-209.

U. Jansons
Chief Exploration Geologist

UJ/mm

SUMMARY OF DIAMOND DRILL LOGS

Hole 71-207

Location 83+00W, 63+00N Faro Grid, Faro Claims
Total Depth 678 feet

| | |
|-----------|---|
| 0 - 250 | Calc-Silicate Gneiss (trace Pyrite at 118') |
| 250 - 259 | Graphitic Schist |
| 259 - 482 | Muscovite-Biotite Schist |
| | 362 - 365 Monzonite Dike |
| | 436 - 437 Monzonite Dike |
| | 460 - 461 Monzonite Dike |
| 482 - 487 | Graphitic Schist |
| 487 - 490 | Muscovite-Biotite Schist |
| 490 - 612 | Calc-Silicate Gneiss |
| 612 - 678 | Granite-Granodiorite, Anvil Batholith |
| T.D., 678 | |

Hole 71-208

Location SUN Claims, Line 112W, 4400N
Total Depth 891 feet

| | |
|-------------|--|
| 0 - 25 | Overburden |
| 25 - 54 | Amphibolite-Amphibolite Chlorite Schist |
| 54 - 90 | Graphitic Schist - Phyllite Pyrite as fracture filling |
| 92 - 108 | Amphibolite-Amphibolite Chlorite Schist Traces of disseminated Pyrite |
| 108 - 530.5 | Graphitic Schist |
| | 182.5 - 184 1% Pyrite |
| | 222 - 248 1-3% Disseminated Pyrite |
| | 250.5 - 251 4% Pyrite |
| | 251 - 342 1-3% Pyrite |
| | 319 - 320.5 5% Pyrite |
| | 339.5 - 340 8% Pyrite |
| | 345 6% Pyrite |
| | 395.5 5% Pyrite |
| | 448 5% Py |
| | 520 Dissem. Py |
| 530.5 - 674 | Calcareous Chlorite Sericite Schist |
| | 645 - 652 1-2% Finely Disseminated Pyrite |
| 674 - 891 | Greenstone - Amphibolite |
| | 680 .5% Pyrite |
| T.D., 891 | |

Hole 71-209

Location: Faro Grid
Total Depth: 600

| | |
|-------------|--|
| 0 - 24 | Overburden |
| 24 - 38.5 | Diorite - Finer grained at contacts |
| 38.5 - 78 | Garnetiferous Biotite-Sericite Schist |
| 78 - 157 | Diorite - similar to 24-38.5 |
| 157 - 226 | Garnetiferous Biotite Sericite Schist |
| | 158 - 160 Graphitic |
| | 176 - 182.5 Fault zone gouge |
| 226 - 236.5 | Sericite Schist 2-5% Disseminated Pyrite and Pyrrhotite |
| 236.5 - 253 | Quartz Biotite Sericite Schist |
| 253 - 317.5 | Calc Silicate |
| | 253 - 259 Skarn - minor Sphalerite |
| 317 - 600 | Quartz Biotite Sericite Schist |
| | 484.5 - 486.8 Quartz Sericite Schist Pyrite to 12% total of some sections |
| T.D., 600 | |

CLAIM GROUPS & GENERAL GEOLOGY -
ANVIL MINING DISTRICT, YUKON TERRITORY

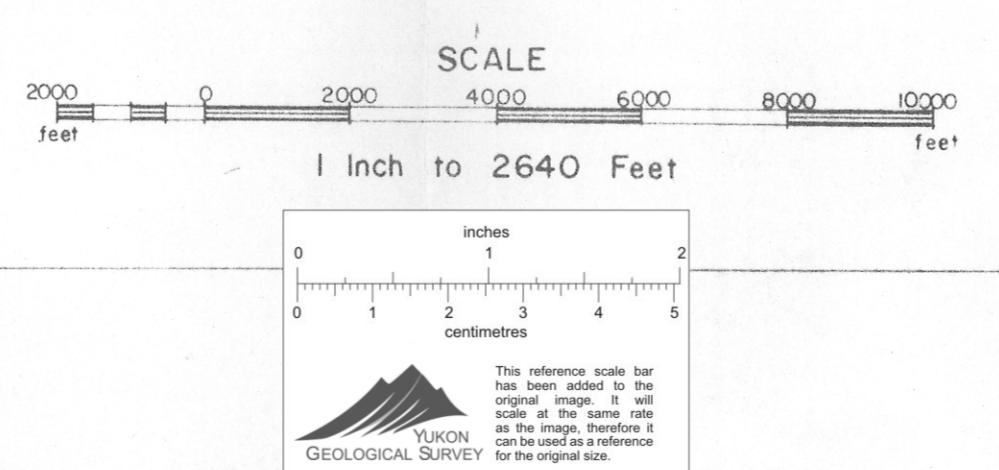
FIG. 2 SOIL GEOCHEMISTRY - CU

FIG. 3 SOIL GEOCHEMISTRY - PB

FIG. 4 SOIL GEOCHEMISTRY - ZN



* PELLY RIVER CLAIM-GROUP LINES
 ROTARY DRILL HOLE •



ROCK TYPE

- Anvil Batholith, Quartz Monzonite
- Granite
- Hornblende Quartz Diorite
- Hornblende Biotite Diorite
- Amphibolite
- Biotite Muscovite Phyllite
- Calc-Silicate Gneiss
- Biotite Muscovite Schist

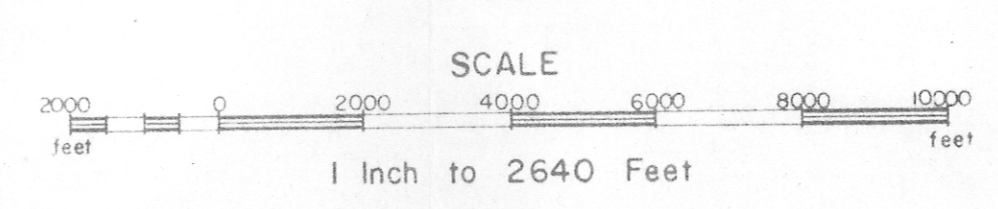
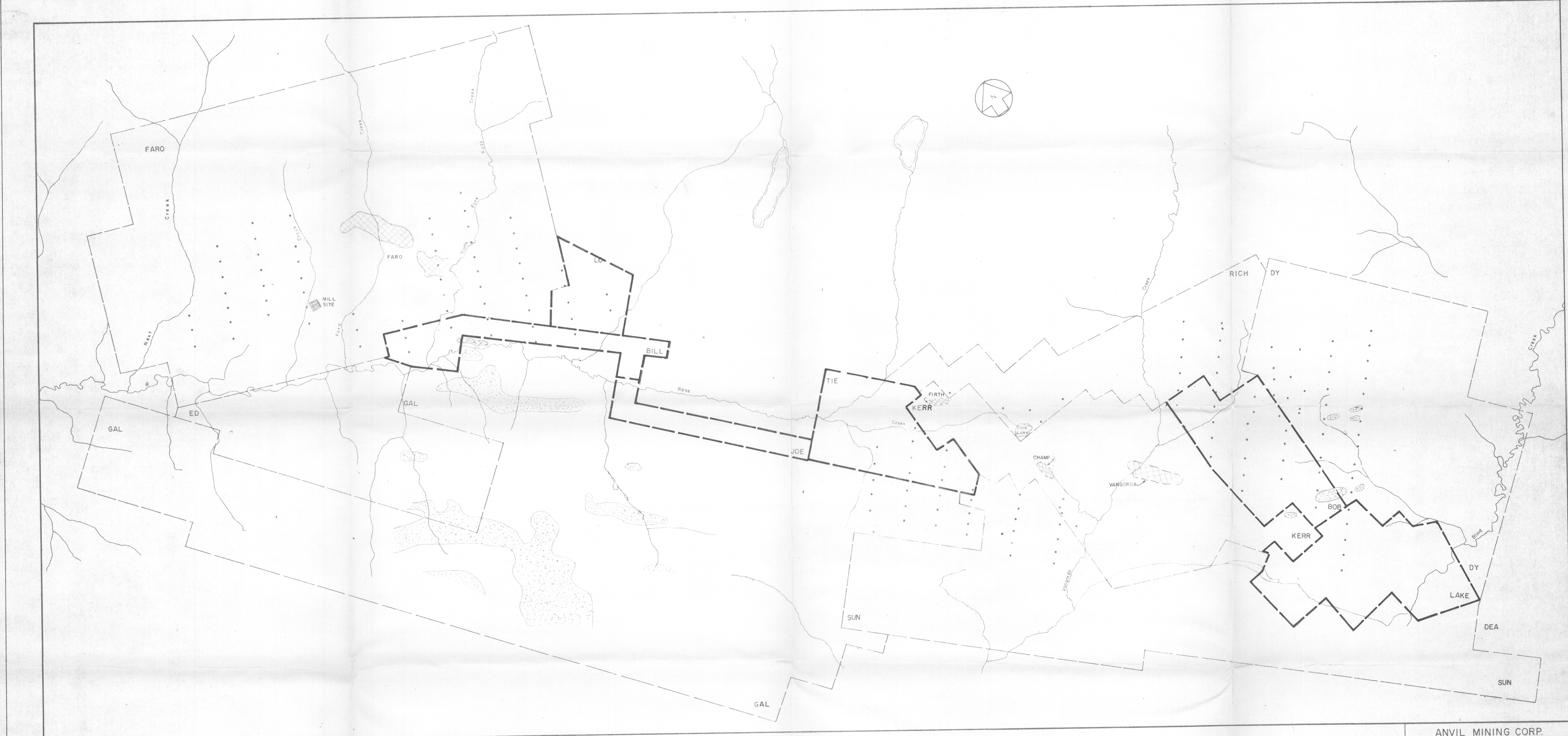
- Permo-Pennsylvanian Basalts

SYMBOL

- Anticlinal Axis
- Synclinal Axis
- Massive Sulphide
- Proposed Diamond Drill Hole
- Drilled Diamond Hole

| | |
|---|----------------------|
| ANVIL MINING CORP. | |
| FARO | |
| CLAIM GROUPS & GENERAL GEOLOGY - ANVIL MINING DISTRICT, YUKON TERRITORY | |
| DATE: 9 NOV. 70 | DRAWING NO: FX-71130 |
| SCALE: 1" = 1/2 MI. | FILE: |
| DRAWN BY: <i>AM</i> | |

FIG. 1



58 + ppm Cn in Soil

ANVIL MINING CORP.
 FARO
 SOIL GEOCHEMISTRY
 OVERBURDEN DRILL HOLE
 DISTRIBUTION
 DATE: 9 NOV 70 DRAWING NO
 SCALE: 1" = 1/2 MI. FILE: FX-71127
 DRAWN BY: *A.H.*

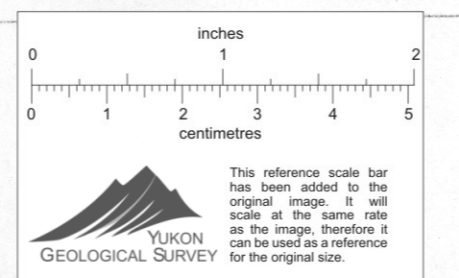
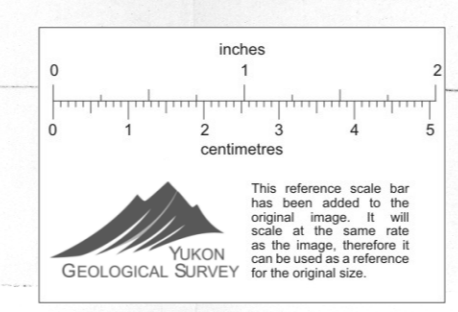
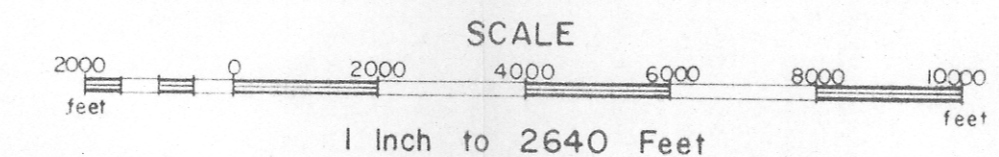
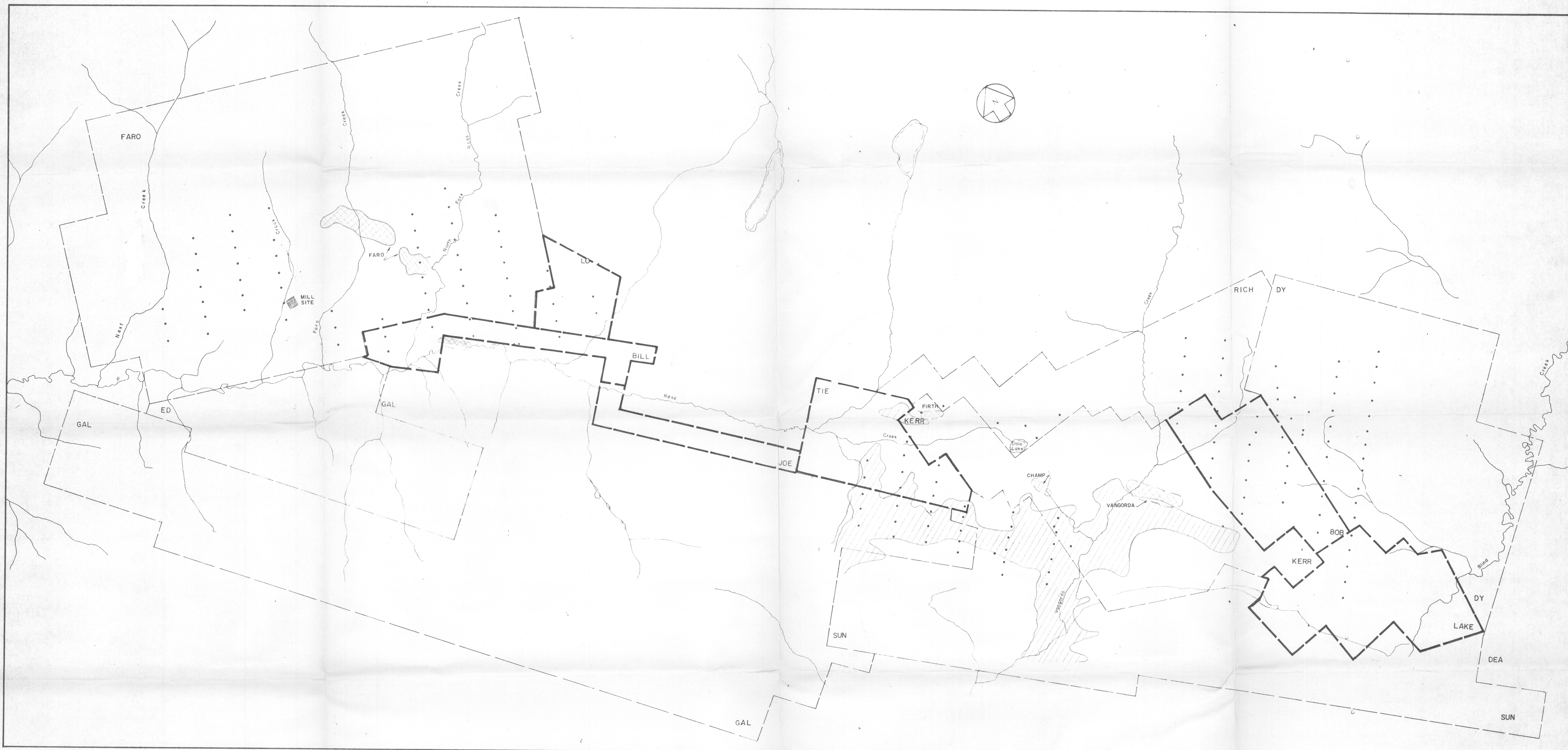


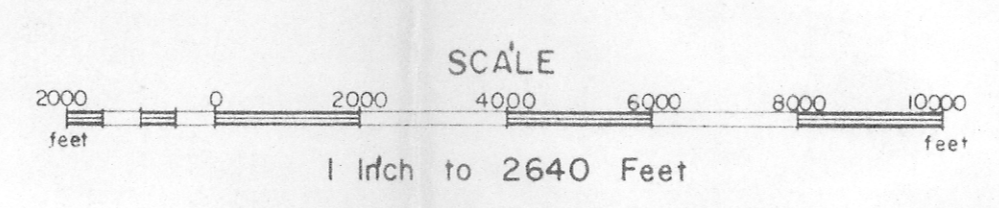
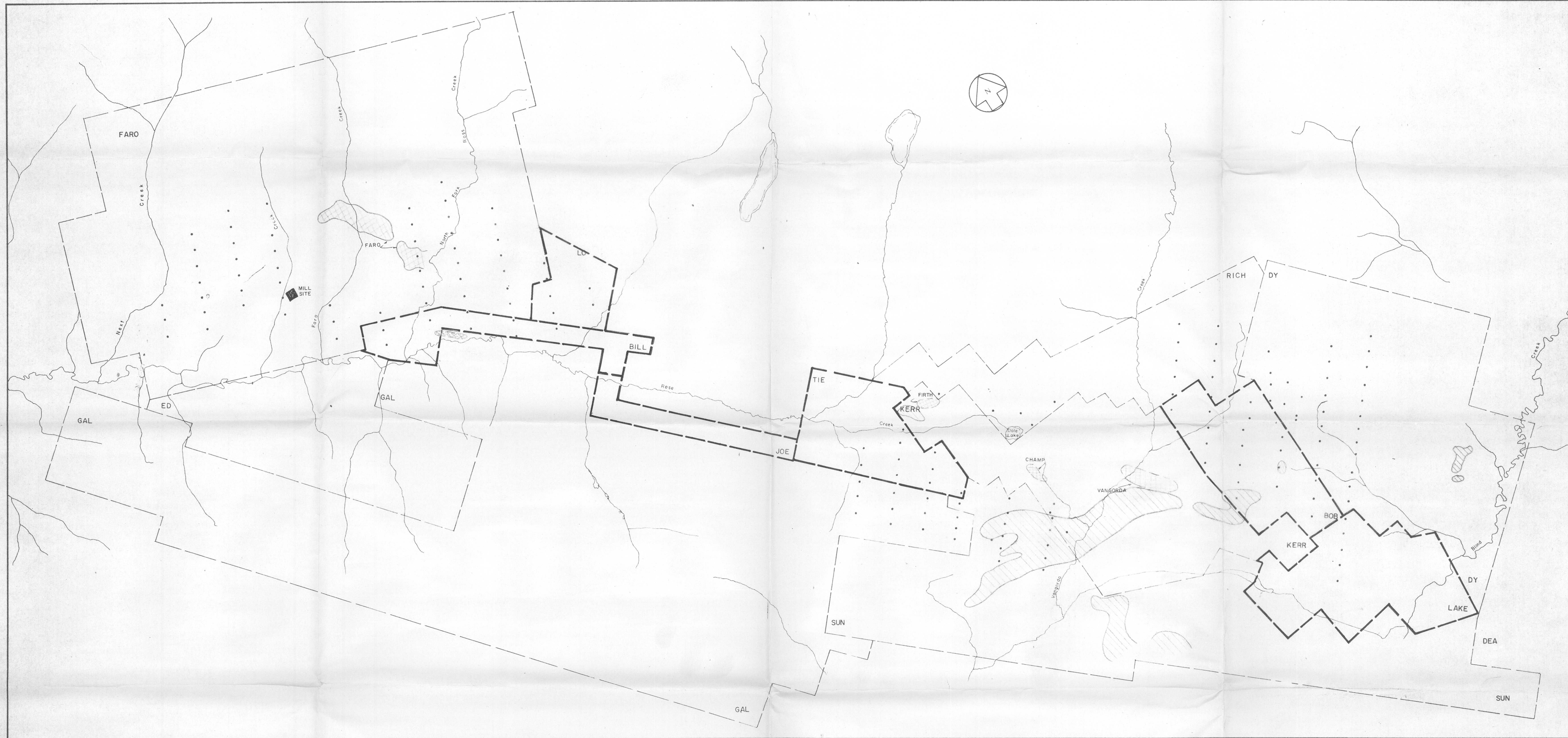
FIG. 2

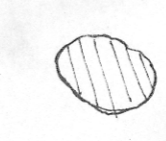


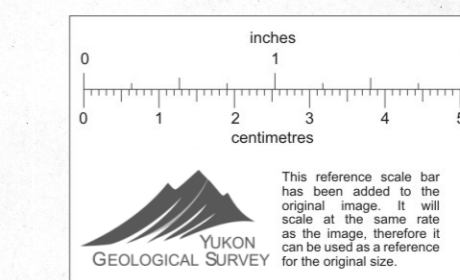
66 + ppm Pb in Soil

| | |
|--|------------|
| ANVIL MINING CORP. | |
| FARO | |
| SOIL GEOCHEMISTRY OVERBURDEN DRILL HOLE DISTRIBUTION | |
| DATE : 9 NOV. 70 | DRAWING NO |
| SCALE : 1" = 1/2 MI. | FX- 71129. |
| DRAWN BY : <i>A.M.</i> | FILE: |

FIG. 3



 168 + ppm Zn in Soil



| | |
|--|------------|
| ANVIL MINING CORP. | |
| FARO | |
| SOIL GEOCHEMISTRY OVERBURDEN DRILL HOLE DISTRIBUTION | |
| DATE : 9 NOV. 70 | DRAWING NO |
| SCALE : 1" = 1/2 MI. | FX-71128 |
| DRAWN BY : <i>AM</i> | FILE: |

FIG. 4