



010

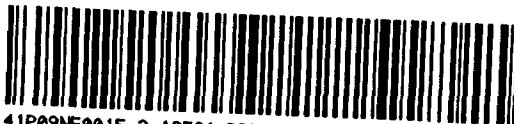
**2. 13581**

VLF-EM RESULTS  
BRYCE TOWNSHIP, ONT.  
Sept. 25/90

RECEIVED  
OCT 09 1990  
MINING LANDS SECTION

Rodney H. Spooner P. Eng.

*Qual 2.11380*



41P09NE0015 2.13581 BRYCE

010C

TABLE OF CONTENTS

INTRODUCTION \_\_\_\_\_ PAGE 1

DU GRID RESULTS \_\_\_\_\_ PAGE 2

EAST EXTENSION GRID RESULTS \_\_\_\_\_ PAGE 2

NO. 1 POST GRID RESULTS \_\_\_\_\_ PAGE 3

CONCLUSIONS \_\_\_\_\_ PAGE 4

RECOMMENDATIONS \_\_\_\_\_ PAGE 5

INSERTS AND ENCLOSURES

PROPERTY LOCATION MAP 1: 300,000

CLAIM MAP

VLF-EM PROFILE MAP 1: 2000 all grids

## INTRODUCTION

During the period May 12 to 27, 1990 the author and several assistants carried out a programme of exploration, funded by the Ontario Prospectors' Assistance Programme, consisting of linecutting, VLF-EM surveys, geological mapping, soil sampling, overburden stripping and channel sampling, blasting, and limited prospecting. This report is a supplement to my report of June 15, 1990, entitled "Exploration Report Bryce Twp., Ont.". Its purpose is to discuss more fully the EM-16 survey of the grids that were cut during the May, 1990 exploration programme.

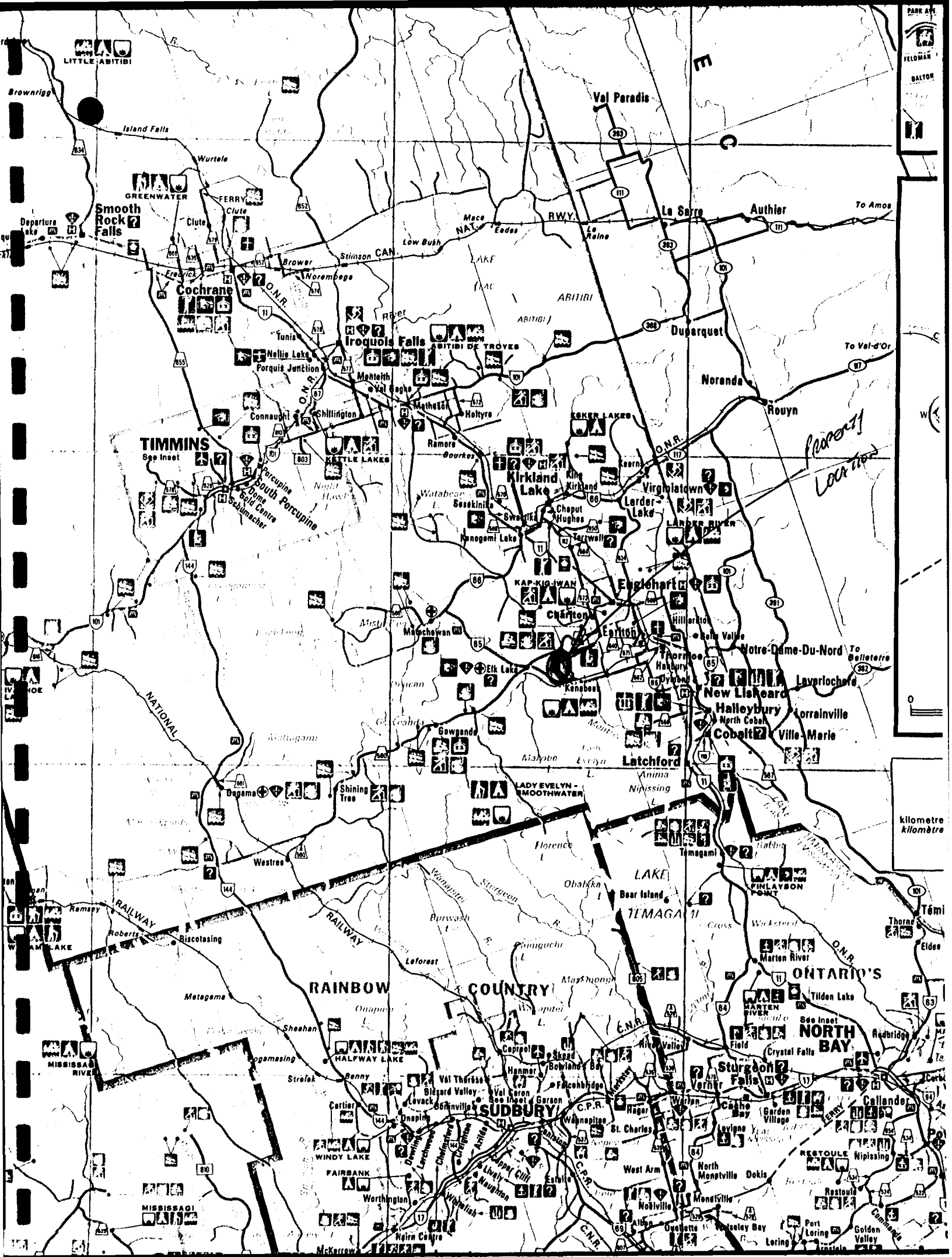
The work areas were selected on areas prioritized by previous exploration done by the author and associates. The claims which were directly involved in this round are : L1047203, 1046165, 1046166, 1012971, 1012972, 1012973, 1012974, 1013276, and 1013277.

Two new grids were established and one old grid was extended eastward. A total of 13.05 kilometers was cut, with chaining at 20 meter intervals. EM-16 surveys, reading the Cutler, Maine transmitter (24.0 K Hz.), was done at 20 meter reading intervals over the cross-lines, a total of 11.65 kilometers. All readings were taken facing north. The operator for all the surveys this year was the author. A map has been produced at a scale of 1:2000, and is appended with this report.

The claims are located in Bryce Township S-1/2, Lot 9 concession 11. They can be easily reached by road, via Highway 65 and the Osseo grid road. A logging road and an open field provide good access through the property.

The claims are presently part of a contiguous 14-claim group held by the author.

A small, cat-mounted backhoe was brought in to excavate EM conductors, but it was unable to reach bedrock, then broke down. A larger machine replaced it and it too was unsuccessful in excavating to bedrock on the same conductors. It did, however, very successfully clear overburden from two other main zones of interest, the DU and JS zones. In conjunction with this, the crew used Wajax pumps to sluice shallow overburden and clean outcrops after the backhoe was done. The GD Zone, stripped and trenched last year, was further dug out by hand, blasted, and hosed down this year to better expose the shear.



kilometre  
kilomètre

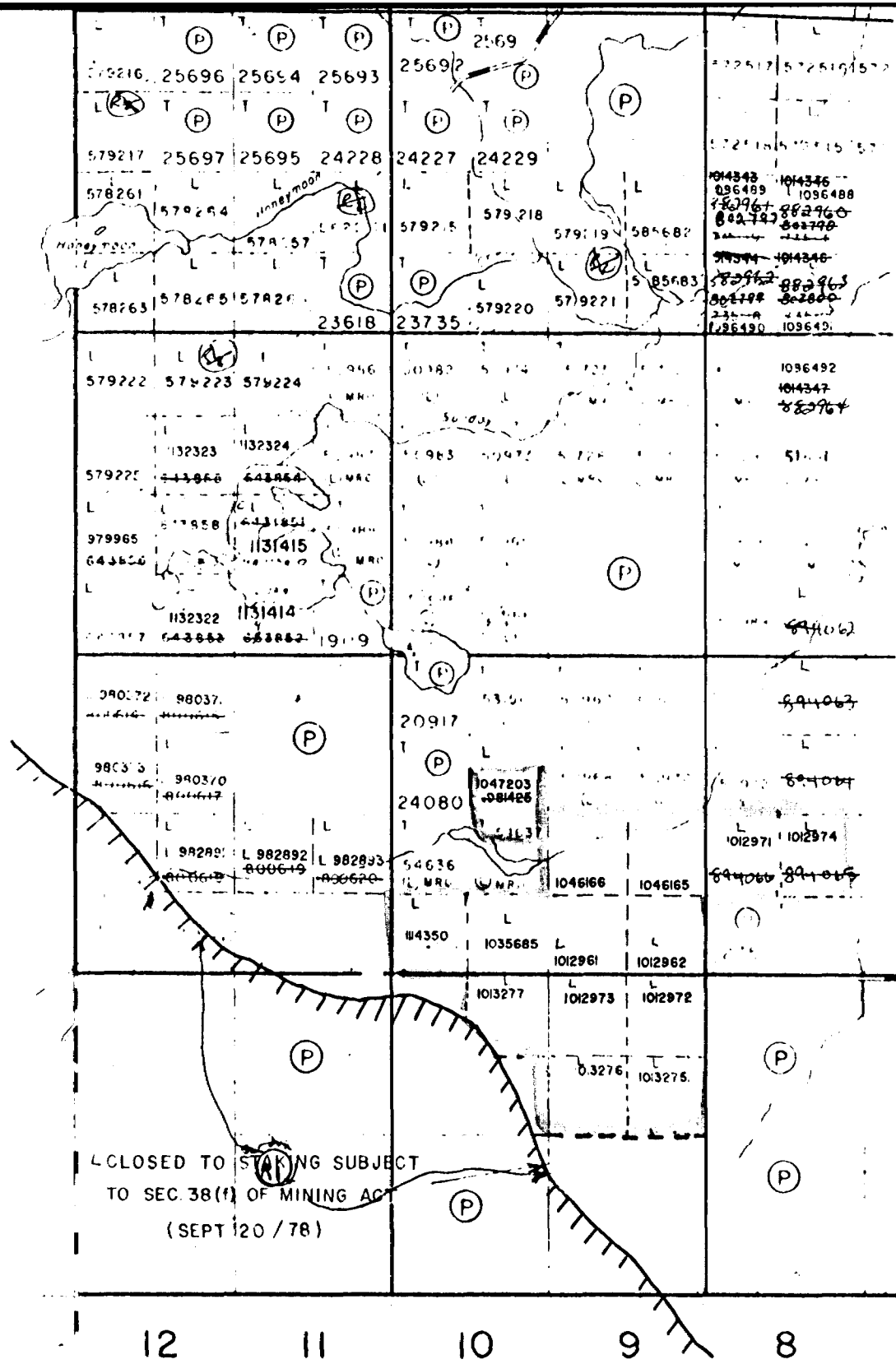
PROPERTY  
LOOK UP

ONTARIO'S

SEE INSET  
NORTH BAY

RESTOULE  
NIPISSING

TUDHOPE TWP. M - 252



"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."

CA

### DU GRID RESULTS

The VLF survey did not pick up any strong conductive horizons nor did it delineate any definite weaker trends. The profiles are very flat. They show a gradual positive in-phase buildup towards grid north, where a diabase dike cuts volcanic strata, from a probable conductive zone off grid to the south. This southerly zone is a deep valley underlain by conglomerates and occupied by a creek.

A few very weak shoulders on the in-phase suggest that very weakly conductive shears may be "seen" by the EM, but these are hardly traceable and have not been interpreted on the map.

### EAST EXTENSION GRID RESULTS

Extensions of some of the previously identified conductors have been shown by this survey. Other trends were not picked up and are presumed to be cut off by a diabase dike. Conductances are weak and are typical of shear-related responses seen on the GD grid, to the west. In-phase readings are strongly influenced by a structure giving deep negative readings, but the trends continue eastward to the diabase dike contact, where they end.

The structure mentioned in the previous paragraph has been tentatively interpreted as a northwest-trending fault zone which has cut the dike and formed a lineament traceable for several kilometers to the northwest.

Backhoe work undertaken this Spring discovered that dry, lacustrine clays overlying conductors along trend are at greater than 20 feet thick. The clays are dry, so have not masked the conductive horizons to the extent one would have expected.

The responses on the other (grid south) side of the dike are very flat, reminiscent of the results obtained on the DU grid, a couple of hundred meters to the southwest.

There is a very marked difference in tenor of the results between the DU grid, to the south, and the GD and East Extension grids, to the north of the dike. There are at least four definite conductive trends on the GD grid. They all occur in a shallow valley whose axis contains a creek and a couple of beaver ponds. Geologically, the terranes are quite similar, however there is a very extensive clay cover and also conglomerate of an unknown thickness and extent. The conductive swarm abuts the diabase to the south and weakens across the creek, to the north. The strongest VLF is not in the creek, but up on the southern flank of the valley, north of the dike contact. The GD zone is on the north side of the creek. It has been partially stripped of overburden, and a strong shear is revealed which coincides with a weakly conductive VLF anomaly.

Previous VLF-EM surveys by our crews outlined several weak northwest-trending anomalies, probably shear-derived, in the vicinity of the GD occurrence. These are roughly parallel to the inferred fault cutting through the East Extension grid.

## NO. 1 POST GRID RESULTS

The grid is oriented to pick up any northerly-trending conductors. An earlier survey was done to test for easterly trends but no conductors were found in that survey. The new survey may have delineated weak, northwest conductive horizons. Two trends, possibly 200 meters long can be recognized in the northern half of the grid.

The author ran three short test lines over the east-west line of trenches that comprise the No. 1 Post zone. Very careful surveying showed that a consistent but subtle cross-over occurs on the shear. The in-phase went from -2 forty meters north of the shear to +5 fifty meters south.

### CONCLUSIONS

It appears that the shear conductivities are greatly enhanced by the presence of clay overburden. The logical conclusion is that a combination of water and clay in the fractures has produced discreet conductors which are resolvable with VLF-EM techniques. It is moot whether some other type of EM survey would serve to outline these structural breaks where this combination is not in force.

So far, the mineralized shears are all roughly east-west striking, and it is these that future work should focus on. Reported work a few kilometers west has found interesting amounts of gold (0.75 oz/t) in shears of this orientation. Adjacent properties also contain good gold grades in similar structures.

Shears mapped in outcrop by the author do not yield VLF anomalies, the GD Zone being the notable exception.

A fault northwest-striking fault zone is inferred partly from VLF data and partly from topographical evidence. This zone strikes through the common boundary between claim 1046165 and 1012971, and would be assumed to cut the extension of the GD zone to the east.

A strong shear structure, outcropping at the No. 1 Post Zone, gives only a very subtle VLF indication. Without either a persistent trend, or visible field evidence, one would be hard-pressed to interpret the structure from VLF data.

Weak VLF trends parallel or sub-parallel to the interpreted fault, can be tentatively pencilled in on the No. 1 Post grid. Previous surveys have also indicated that these features are present.



**RECOMMENDATIONS**

Any further geophysical work should consist of a fairly detailed magnetic survey, probably a total field survey, over the grids. Horizontal loop EM is recommended to confirm the VLF-EM conductors on the GD grid. At the time of any future survey it is suggested that several lines be run over the DU zones, as well as some in the vicinity of the No. 1 Post zone.

In my report dated June 15/90, I suggest that it may be precautionary to accurately locate the boundary of claim 1047203 (No.1 Post grid) because the occurrence is so close to the claim line. I also reiterate that recommendation here.

If results of work recommended in my report entitled "Geological Report, Bryce Township, Ont.", dated Sept.25/90 and results of my recommendations above, are positive, then diamond drilling of the GD grid shear zones and any other target resulting from these recommendations should be considered.



Rodney H. Spooner P. Eng. MEIC

Qual 2.11380



41P09NE0015 2.13581 BRYCE

020

GRID GEOLOGY  
BRYCE TOWNSHIP PROPERTY  
Sept. 25/90

**2. 13581**

~~DUPLICATE~~

~~COPY~~

RECEIVED

OCT 09 1990

MINING LANDS SECTION

Rodney H. Spooner P. Eng.



41P09NE0015 2.13581 BRYCE

020C

### TABLE OF CONTENTS

|                             |       |        |
|-----------------------------|-------|--------|
| INTRODUCTION                | ----- | PAGE 1 |
| REGIONAL GEOLOGICAL SETTING | ----- | PAGE 2 |
| DU GRID GEOLOGY             | ----- | PAGE 3 |
| DU GRID OCCURRENCES         | ----- | PAGE 4 |
| EAST EXTENSION GRID GEOLOGY | ----- | PAGE 6 |
| NO. 1 POST GRID GEOLOGY     | ----- | PAGE 7 |
| CONCLUSIONS                 | ----- | PAGE 8 |
| RECOMMENDATIONS             | ----- | PAGE 9 |

### INSERTS AND ENCLOSURES

PROPERTY LOCATION MAP 1: 300,000

CLAIM MAP

GRID GEOLOGY MAP 1: 2000 all grids

DETAIL GEOLOGY AND SAMPLE LOCATION MAPS

DU A & B zones 1: 200

DU C & JS zones 1: 200

GD Zone 1:50

## INTRODUCTION

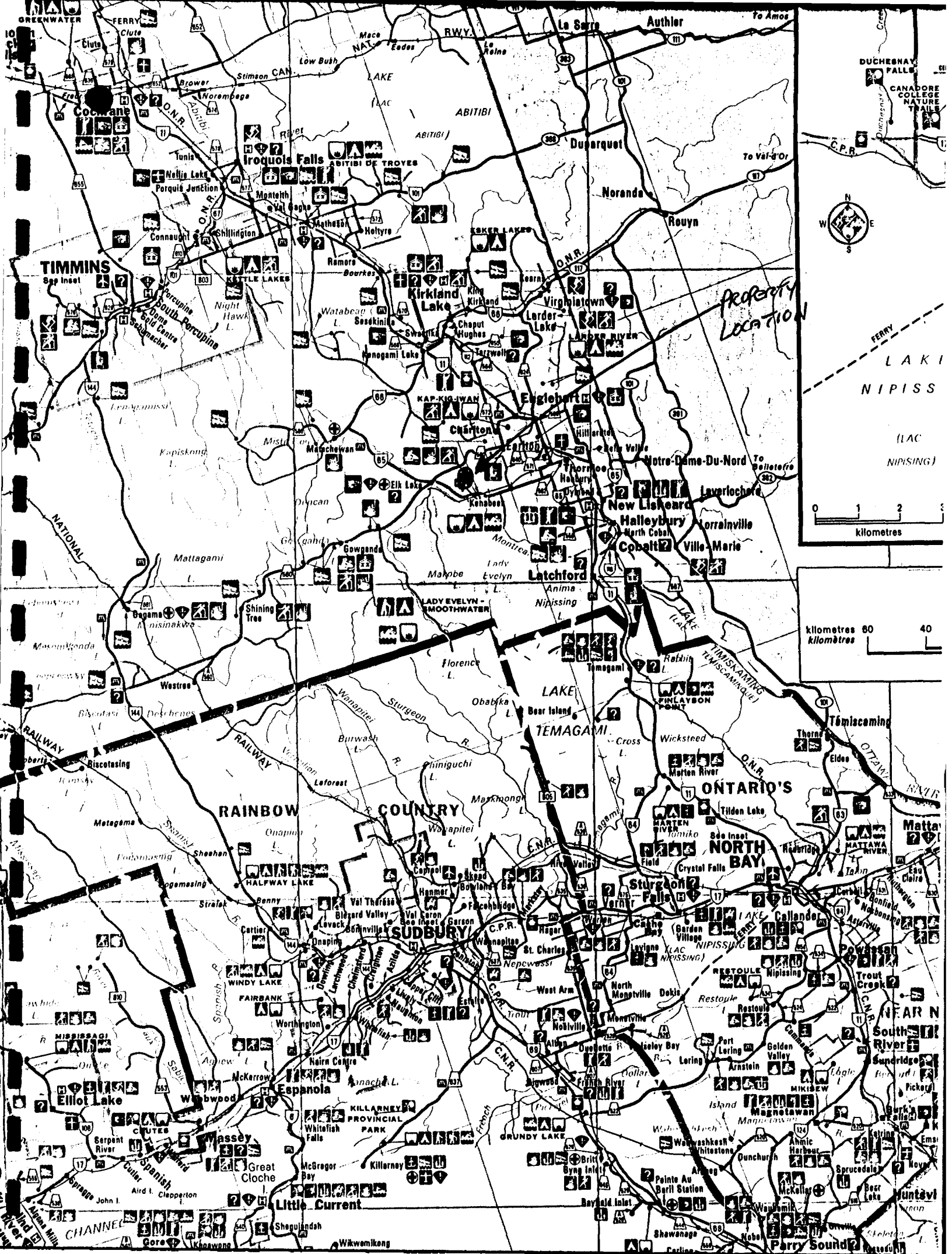
During the period May 12 to 27, 1990 the author and several assistants carried out a programme of exploration, funded by the Ontario Prospectors' Assistance Programme, consisting of linecutting, VLF-EM surveys, geological mapping, soil sampling, overburden stripping and channel sampling, blasting, and limited prospecting.

This report is a supplement to my report of June 15, 1990, entitled " Exploration Report Bryce Twp., Ont.". Its purpose is to discuss more fully the geology of the grids that I mapped during the May, 1990 exploration programme.

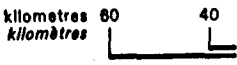
Three separate grids were cut on the claim group\_\_ the No. 1 Post Grid, on claim 1047203; the East Extension Grid, on 1012971 & 1012974; and the DU Grid, on 1012961, 1012962, 1012972, 1012973, & 1013277. A total of 13 kilometers of grid were mapped by the author during the period of May 12 - 27, 1990. A map has been produced at a scale of 1:2000, and is appended with this report.

The claims are located in Bryce Township S-1/2, Lot 9 concession 11. They can be easily reached by road, via Highway 65 and the Osseo grid road. A logging road and an open field provide good access through the property.

The claims are presently part of a contiguous 14-claim group held by the author.



PROPERTY  
LOCATION



LAKE  
NIPISS  
(LAC  
NIPISING)

RAINBOW COUNTRY

ONTARIO'S  
NORTH BAY

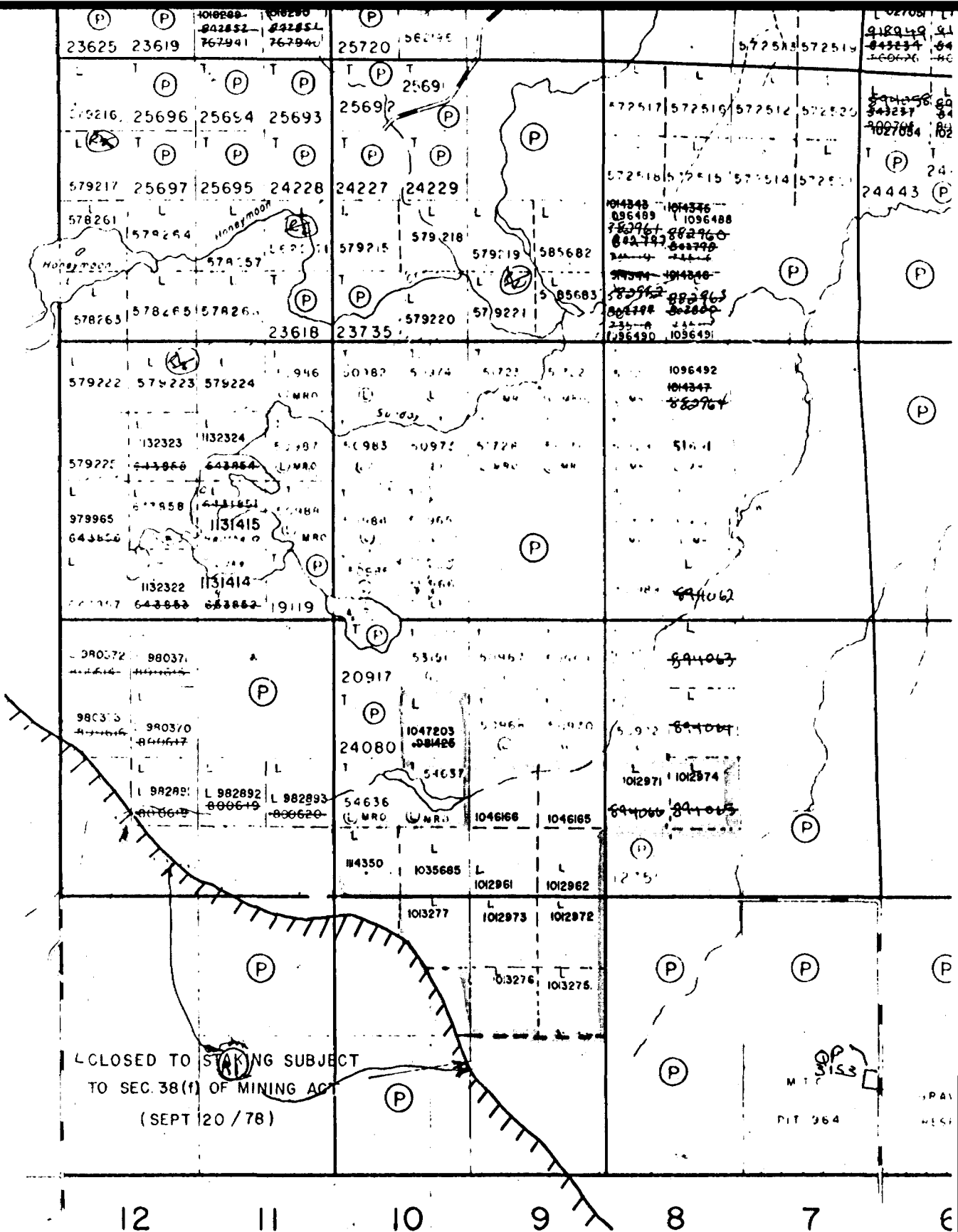
SUDBURY

NEAR N  
South  
River

Little Current

Parry Sound

TUDHOPE TWP. M - 252



"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."

CANE TWP.

## REGIONAL GEOLOGICAL SETTING

### Table of Formations

Nipissing Diabase  
intrusive contact  
Cobalt Group (Gowganda Conglomerate)  
Felsic to Intermediate Intrusives  
intrusive contact  
Abitibi Greenstones

The claim group is situated at the south end of the Abitibi Belt, where it is overlain by overlapping, weakly metamorphosed conglomerates. A sill of Nipissing Diabase cuts the volcanics in a roughly east-west structure. The bedrocks occur on higher ground which is bordered on the south and east by thick lacustrine clays.

Regional metamorphic grades are of the greenschist facies range. The Britanna Porphyry, outcropping a few kilometers from the claims has raised metamorphic gradients to amphibolite facies near its contacts.

Several old gold showings exist in both the immediate vicinity and in the general area. Although no economic deposits have been located to date, some high-grading was done in earlier years at a couple of the prospects in the area.

## DU GRID GEOLOGY

By far the most common rocks on the grid are felsic fragmentals, mostly fine tuffs but also coarse heterolithic lapilli tuffs, blocky tuffs, and crystal tuffs. A sequence of more mafic pyroclastics was recognized, as were thin intercalations of mafic flows. Narrow rhyolite flows are present in the north half of the grid, not far from the diabase contact.

In general, the southern part of the grid is underlain by finer grained and more mafic varieties, while the north part is more felsic and fragments are coarser. Rhyolite flows occur in the central and northern sections of the grid. Some very coarse lithic fragmentals occur in the south, adjacent to the DU zones. The bedding strikes from 245 to 255, in general, and dips around 75 north.

The diabase is probably only about 125 meters wide, maximum, on this grid, and is unremarkable mineralogically. It grades from finer grained at the margins to coarse grained centrally. No contacts were seen between the diabase and enclosing rocks, but it doesn't appear that there has been any great amount of alteration or deformation accompany the intrusion. Other rock types noted during the survey were very narrow feldspar-phyric dikes or flows and one wider sill at the DU "B" zone.

Several zones of carbonatized, sheared, and schistose rocks were mapped. Quartz veins and/ or vein networks sometimes accompany the structures.

Conglomerates of the Gowganda Formation occur along the very southern limits of the survey. These are dark, fine grained gritty rocks which are sometimes difficult to differentiate from the pyroclastic rocks. In fact there were several old diggings seen on the property that were testing quartz veins in the conglomerate. One outcrop was seen where conglomerate was incorporated in a shear. Quartz veins or lenses are fairly common in this unit. Usually, a close inspection of the outcrop revealed coarse granitoid cobbles and/or maroon jasper fragments.

The target zones had been previously identified by prospecting. The 1:2000 mapping ties in the occurrences and indicates that westerly-trending shears giving rise to veining and alteration are probably the important mineralizing features on the claims. I say probably because there is a weak topographic linear, trending in a northwest direction, that runs along the DU A, B, & C zones. There is evidence for small pull-apart structures at the A zone that would tend to corroborate this idea, but the only other evidence is the linear itself. It may well be a spillway from Spring runoff. Aerial photographic study is inconclusive, but it does hint that this feature continues along strike.



## DU GRID OCCURRENCES

There five separate occurrences which have been located to date. They are all shear zones, trending west-northwest, which have quartz veining parallel the strike of the shear, and in some cases, cross-cutting veins. Mineralization of the shears is skimpy, and the majority of the samples collected contain nil to weakly anomalous concentrations of gold. Alteration in the structures is minimal, except for fairly pervasive carbonate development in a few of them. The major exceptions are the DU A and B zones, where chlorite and pyrite alteration of the wall rocks has occurred. Gold values in the A zone are significant in both wall rock and vein assays. Channel samples have run 0.327 oz/t across 1.35 meters, 0.11 oz/t across 1.2 meters, and grab samples have returned up to 0.229 oz/t. A sample from a narrow vein on the south side of the outcrop, taken during mapping, assayed 5279 ppb. (0.153 oz/t equivalent).

The DU A zone contains quartz and quartz-carbonate veins cutting coarse felsic fragmentals striking 245, dipping 75 north. The sheared volcanics are schistose, chlorite sericite carbonate rocks where they have been sheared. Unsheared rocks are thickly bedded, with only slight flattening of cobbles in a fine grained, matrix.

Vein orientations of 310/75 SW, 255/80 S, 265/80 S, 288/75 S, and 320/35 SW have been measured. A set of tension veins oriented at 270/80 S are possible evidence for a northwest-trending structure, the DU Linear, shown on the enclosed map and discussed above. A joint set, at 245/70 N, is also present. A lithological contact was measured striking 260, dipping 80 north.

The DU B zone is about 25 meters northwest of the A zone but is hosted by a feldspar porphyry dike which cuts felsic crystal tuffs. Coarse heterolithic tuffs are present just northwest of the crystal tuffs. The dike is extensively quartz-veined, whereas the tuffs are notably deficient but for one narrow vein. This vein is the site of an old trench.

The preferred clast orientation in the tuffs is 232/72 N. The dike contact strikes 220 and dips 68 NW. A narrow shear lies along the contact but is slightly discordant, at 222/ vertical. Quartz veining is present in the shear, but no veins were seen that cut the contact. Vein attitudes are 222/ vertical, 310/65S, and 320/50 S. The northwest-striking veins may be pull-apart structures related to the shear running along the contact.

Only sparse sulphide mineralization is present in any of the veins, and little or no alteration has occurred in the wall rocks. The veins are very similar to those in the A zone in that they look like typical "bull quartz" veins- clean white, non-mineralized. The best channel sample ran 0.028 oz/t across 0.9 meters, indicating that anomalous gold is present.

The DU C zone is a new structure discovered during the mapping. It was sluiced off to expose a strong shear in a sequence of rhyolite and fine felsic tuffs striking 225 and

dipping 60 NW. Other rhyolitic outcrops occur to the north while mafic tuffs are mapped to the west. The shear is at least 3 meters wide and contains subordinate gash veins and stockwork veining. The shear has a strong schistosity developed, oriented at 245/55 N. Only trace amounts of gold are indicated in the channel sampling.

The JS zone is also a shear/vein occurrence, and it has been trenched by earlier workers. It is cutting a sequence of massive felsic to intermediate volcanic flows which have been brecciated and sheared across a width of 5 meters. The hanging wall(north) contact is sinuous and has a dip varying from 70 N to vertical. A central zone of stronger shearing has developed a schistose fabric within which small quartz veins are sparsely present. The volcanics carry less than 1% fine disseminated primary pyrite. A 0.35 meter-wide vein in the central part of the exposure carries good sulphide mineralization, including chalcopyrite, pyrite, molybdenite, and galena. It is this vein that attracted the previous workers, however we did not attain anything but trace amounts of gold in our sampling. Base metal analyses were not done, but values would have been measured in the ppm ranges.

Old trenches were found in sheared and veined tuffs and thin rhyolites west of the DU zone in the extreme southwest corner of the grid. Minor hematization of the veins has occurred. Grab samples carry negligible values.

A series of old trenches were found in the northeast part of the grid, exposing a shear cutting rhyolite and pyroclastics. The shear occupies an east to southeast-trending linear. Moderate quartz flooding is present in places, and minor chalcopyrite and malachite was seen. Grab samples indicate that negligible gold is present in the structure.

## EAST EXTENSION GRID GEOLOGY

Exposures on the grid are limited except for the diabase which forms a ridge ringed with coarse talus. Overburden is mostly lacustrine clays although there is a glaciofluvial outwash ridge at slightly higher elevations on the grid.

Other than the diabase, there are only three or four outcrops exposed on the grid. These are within a saddle-shaped break in the diabase ridge. Conglomerates onlap onto coarse felsic pyroclastics at on locale, and nearby is a small outcropping of a mafic or intermediate flow. A couple of other small outcrops of pyroclastic rocks, between the diabase and the conglomerate, are similar to those observed on the DU grid in proximity to the diabase. A small outcrop of diabase, 50 meters from the ridge, may be a plug-like outlier intruding the volcanics.

The valley which breaks the diabase ridge can be traced topographically for some distance towards the northwest. Also, VLF-EM coverage hints at a northwest-trending structure. The EM coverage is incomplete and any interpretation regarding the structure, using this data, is tenuous. I would tentatively suggest that the break represents a fault structure.

A brief word concerning the reason for the East Extension Grid: The GD Zone, which lies north and west of the new grid, is an east-west shear, cutting felsic tuffs, which has been picked up on VLF surveys. The same surveys have delineated several other parallel conductive trends, probably derived from clay and water-filled shears. The GD zone has returned up to 0.05 oz/t gold, as has a parallel shear a few 10's of meters north of the GD. These schists carry pyrite, chalcopyrite, minor quartz veining, sericite, fuchsite, and carbonate, indicating that significant alteration has occurred at this sites. Overburden stripping of the GD zone has been unsuccessful in baring the entire width of the shear. Also, backhoe work this season was unsuccessful in penetrating the clays over the other conductors.

The new grid was planned to follow these conductors eastward and hopefully find a spot where overburden was thin enough to permit stripping, but again the crew was stymied so the cause of the conductors hasn't been ascertained.

## NO. 1 POST ZONE GRID GEOLOGY

The mapping indicates that virtually the entire grid is underlain by felsic pyroclastic rocks, variably coarse lithic to fine lapilli tuffs. The extreme south side of the property contains conglomerate, some of which was seen to be in contact with pyroclastic outcrops. An old trench (see map) was seen to partially excavate a shear which cut a conglomerate-volcanic contact. A white quartz lens was the target of the work, but it was contained in the sediments and may not have been related to the shear.

Along the east central part of the grid, several outcrops of diabase in an area about 40 x 20 meters intrude the pyroclastic sequence. Another diabase occurrence was seen on the far west side of the grid. This outcrop contained finely disseminated pyrite and pyrrhotite in amounts of 1 to 2%.

The main area of interest is right in the extreme northeast corner of the claim, at the number 1 corner post. A series of old trenches follow a strong shear along a distance of 35 meters, or so. The structure cuts felsic tuffs and is from 0.6 to 2.0 meters wide. The zone has been brecciated and strong schistosity has been developed, allowing for fairly deep weathering. Minor pyrite, fuchsite, carbonate, and sericite is present in the rocks. Pyrite mineralization is best developed in the easternmost, and largest, pit. Here, pyrite content is up to 10 and the shear is at least 2 meters wide. Quartz veining occupies the central part of the shear, but does not form a massive unit within the structure, rather a series of narrow, parallel veins which have probably been brecciated themselves. Coarse limonite fragments in the vein material in the talus indicate that heavy sulphide mineralization is present in fresher rock at depth. The best assay, 1053 ppb. Au comes from the pyrite-rich portion. Other analyses ranged up to 739 ppb.

Twelve meters south of this shear is another small pit which exposes a narrow shear in felsic tuffs. Minor quartz veining accompanies the shear, but only sparse sulphide mineralization is present. Gold values are negligible.

Several other west northwest-trending shears were seen during the mapping however they were all barren of both quartz veining and sulphides.

## CONCLUSIONS

Virtually the entire gridded areas are underlain by fragmental volcanics with minor intercallations of both felsic and mafic flows. The sequence is intruded by a centrally located diabase dike which has thrown off a few small plug-like outliers which seem to be sulphide mineralized to a greater extent than the main body of the dike.

Structures of mineralogical significance are generally oriented east-west. They are shear zones of undetermined sense which are up to several meters in width and some of which carry significant quartz flooding and alteration. Best gold values come from the DU A zone, which has returned channel samples of 0.327 oz/t across 1.35m (4.4 ft.), 0.11 oz/t for 4 ft., and grab samples ranging up to 0.229 oz/t.

Other shears that were sampled carry lower gold values and are much less altered, except for the GD zone. It has been well altered, but best assays are only in the 0.05 oz/t range. The shear has not been adequately stripped and sampled along strike.

The VLF-EM indicates that several parallel shears are present in the vicinity of the GD occurrence.

The No. 1 Post zone is well mineralized with sulphides, and has interesting alteration chemistry, but gold content is low. The bulk of the shear lies outside the claim boundary, however there are numerous mineralized shears reported in the nearby properties which contain strong concentrations of gold, so it could be assumed that the claim is a prospective host for one or more of them, too.

## RECOMMENDATIONS

The priority area resulting from work to date is around the DU zones. Efforts should be made to trace the DU zones, especially the A zone, to the west. All other prospective areas are of secondary interest, at this stage, however certain recommendations can be made.

Results are spotty from the A zone, however I feel that the zone deserves diamond drilling. Significant gold is present in the structure and the only way to further evaluate it is diamond drilling.

The entire property should be intensively prospected.

Permits could be sought to enable a backhoe to cross the creek south of the GD zone. A considerable amount of stripping could be done to better expose the shear both along and across strike. Since results are low, this work is of lesser priority and should only be done if it is convenient during exploration of other sections of the claims.

There appears to be little one can do to further evaluate the VLF conductors outlined south of the GD zone. If further exploration upgrades the quality of gold assays along the GD shear, a priority would be to carry out a MaxMin horizontal loop EM survey to determine the veracity of the VLF interpretation. If a horizontal loop survey confirms the trends, they could be tested with a Wacker drill, or even a small diamond drill.

Efforts should be made to trace the No. 1 Post shear westward, onto the claim. Geochem results suggest that it may continue for another 100 meters, at least. Detailed prospecting recommended above would be necessary to assist in this endeavour.

Since the No. 1 Post zone's location on the claim is so marginal, the location of the claim with respect to Concession lines should be confirmed prior to much expenditure of time and money.

  
Rodney H. Spooner P. Eng., MEIC

Qual 2.11380





Ministry of Northern Development and Mines

M.L

DOCUMENT NO. W9008-253

Instructions  
 - Please type or print.  
 - Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.  
 - If number of mining claims covered exceeds space on this form, attach a list.  
 - Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Oct 6

Report of Work (Geophysical, Geological and Geochemical Surveys)

**Mining Act**

Type of Survey(s): **VLF EM-16 Survey** Mining Division: **LARDER LAKE** Township or Area: **BRYCE**

Recorded Holder(s): **RODNEY SPOONER** Prospector's Licence No.: **E 33032**

Address: **Box 450 LA RONGE SASK. S0J1L0** Telephone No.: **(306) 425-2828**

Survey Company: **HICKMATT CONTRACTING LTD.**

Name and Address of Author (of Geo-Technical Report): **Box 450 LA RONGE SASK. S0J1L0** Date of Survey (from & to): **12, 05, 90 to 27, 05, 90**

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

| Special Provisions   | Geophysical       | Days per Claim |
|--|-------------------|----------------|
| For first survey:<br>Enter 40 days. (This includes line cutting)                       | - Electromagnetic | 40             |
| For each additional survey:<br>using the same grid:<br>Enter 20 days (for each)        | - Magnetometer    |                |
|  | - Other           |                |
| Man Days<br>Complete reverse side and enter total(s) here                              | Geological        |                |
|  | Geochemical       |                |
|  | Geophysical       |                |
| Airborne Credits<br>Note: Special provisions credits do not apply to Airborne Surveys. | - Electromagnetic |                |
|  | - Magnetometer    |                |
|  | - Other           |                |

| Mining Claim |         | Mining Claim |        | Mining Claim |        |
|--------------|---------|--------------|--------|--------------|--------|
| Prefix       | Number  | Prefix       | Number | Prefix       | Number |
| L            | 1047203 |              |        |              |        |
| L            | 1012971 |              |        |              |        |
| L            | 1012961 |              |        |              |        |
| L            | 1012962 |              |        |              |        |
| L            | 1012972 |              |        |              |        |
| L            | 1012973 |              |        |              |        |

Total miles flown over claim(s):

Date: **Aug 30 / 90** Recorded Holder of Agent (Signature): *[Signature]*

Total number of mining claims covered by this report of work: **6**

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: **GARY CLYTON DUNN Box 995 LA RONGE SASK. (306) 425 3626**

Date: **Aug 30 1990** Certified By (Signature): *[Signature]*

For Office Use Only

Total Days Cr. Recorded: **240**

Date Recorded: **Sept 6 / 90** Mining Recorder: *[Signature]*

Date Approved as Recorded: *[Signature]* Provincial Manager, Mining Lands

*See Revised Work Statement.*

RECEIVED  
 LARDER LAKE  
 MINING DIVISION  
 SEP. 6 1990  
 TIME 9:38am





Recorded Holder  
**Rodney Spooner**

Township or Area  
**Bryce Twp.**

| Type of survey and number of Assessment days credit per claim  | Mining Claims Assessed                                  |
|--|---|
| <b>Geophysical</b><br>Electromagnetic _____ days<br>Magnetometer _____ days<br>Radiometric _____ days<br>Induced polarization _____ days<br>Other _____ days<br><br>Section 77 (19) See "Mining Claims Assessed" column<br>Geological <u>14.1</u> days<br>Geochemical _____ days<br><br>Man days <input type="checkbox"/> Airborne <input type="checkbox"/><br><br>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/><br><br><input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims.<br><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | L 1012961 - 962 incl.<br>1012971 - 973 incl.<br>1047203 |

**Special credits under section 77 (16) for the following mining claims**

**No credits have been allowed for the following mining claims**

not sufficiently covered by the survey                       insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Recorded Holder  
Rodney Spooner

Township or Area  
Bryce Township

| Type of survey and number of Assessment days credit per claim  | Mining Claims Assessed                                  |
|--|---|
| <b>Geophysical</b><br>Electromagnetic <u>31</u> days<br>Magnetometer _____ days<br>Radiometric _____ days<br>Induced polarization _____ days<br>Other _____ days<br>Section 77 (19) See "Mining Claims Assessed" column<br>Geological _____ days<br>Geochemical _____ days<br>Man days <input type="checkbox"/> Airborne <input type="checkbox"/><br>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims.<br><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | L 1012961 - 962 incl.<br>1012971 - 973 incl.<br>1047203 |

**Special credits under section 77 (16) for the following mining claims**

[Empty box for special credits]

**No credits have been allowed for the following mining claims**

not sufficiently covered by the survey       insufficient technical data filed

[Empty box for no credits]

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Ontario

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Mining Lands Section  
159 Cedar Street, 4th Floor  
✓ SUDBURY, Ontario  
P3E 6A5

Telephone: (705) 670-7264  
Fax: (705) 670-7262

Your File: W9008.252 & 253  
Our File : 2.13581

November 30, 1990

Mining Recorder  
Ministry of Northern Development and Mines  
4 Government Road East  
KIRKLAND LAKE, Ontario  
P2N 1A2

Dear Madam/Sir:

RE: Notice of Intent dated October 25, 1990 for Geophysical  
(Electromagnetic) and Geological Surveys submitted on  
Mining Claims L 1012961 et al in Bryce Twp.

The assessment work credits, as listed with the above  
mentioned Notice of Intent have been approved as of the above  
date.

Please inform the recorded holder of these mining claims and  
so indicate on your records.

~~Yours sincerely,~~

R. C. Gashinski  
A/Provincial Manager, Mining Lands  
Mines and Minerals Division

JLJ/dvl  
Enclosure

cc: Mr. W. D. Tieman  
Mining and Lands Commissioner  
Toronto, Ontario

Resident Geologist  
Cobalt, Ontario

Rodney Spooner  
LaRonge, Sask.

Gary Dunn  
LaRonge, Sask.

**BRYCE**

DISTRICT OF  
TIMISKAMING

LARDER LAKE  
MINING DIVISION

SCALE: 1 INCH = 40 CHAINS

SUBJECT TO FORESTRY OPERATIONS

TUDHOPE TWP M - 252

VI

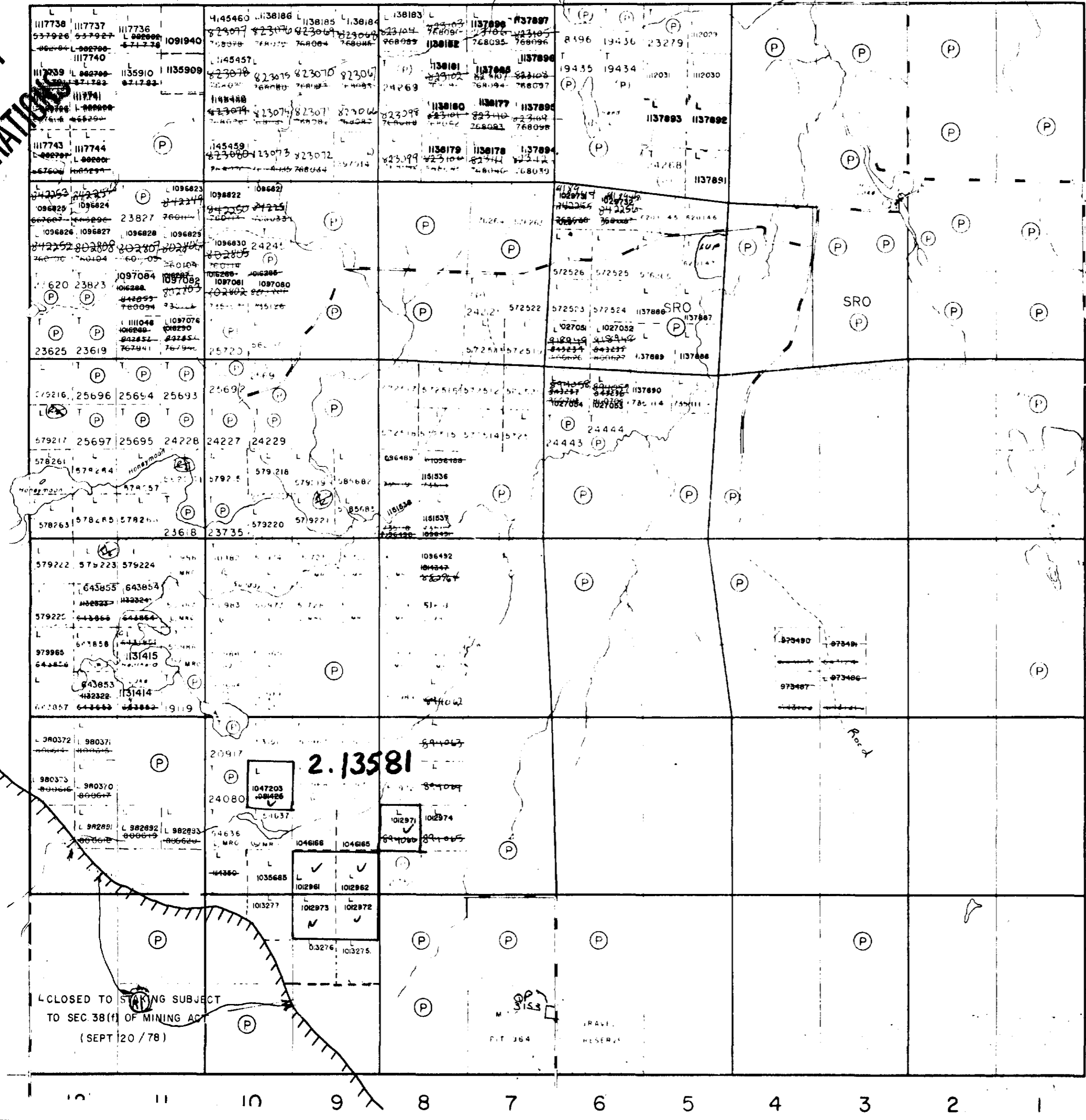
V

IV

III

II

BEAUCHAMP TWP M - 412



LEGEND

- PATENTED LAND ● or (P)
- CROWN LANDS (L)
- LEASE (L)
- LOCATED LAND (LUC)
- LICENSE OF OCCUPATION (L.O.)
- MINING RIGHTS ONLY (MRO)
- SURFACE RIGHTS ONLY (SRO)
- ROADS (—)
- IMPROVED ROADS (—)
- KING'S HIGHWAYS (—)
- RAILWAYS (—)
- POWER LINES (—)
- MARSH OR MUSKEL (—)
- MINES (—)
- CANCELLED (—)
- PATENTED S.R.O. (—)

NOTES

- 400' surface rights reservation along the shores of all lakes and rivers.
- Areas withdrawn from staking under Section 33 of the Mining Act ( ) File Date Disposition
- (P) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W. 62/83
- (SRO) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W. 15/86

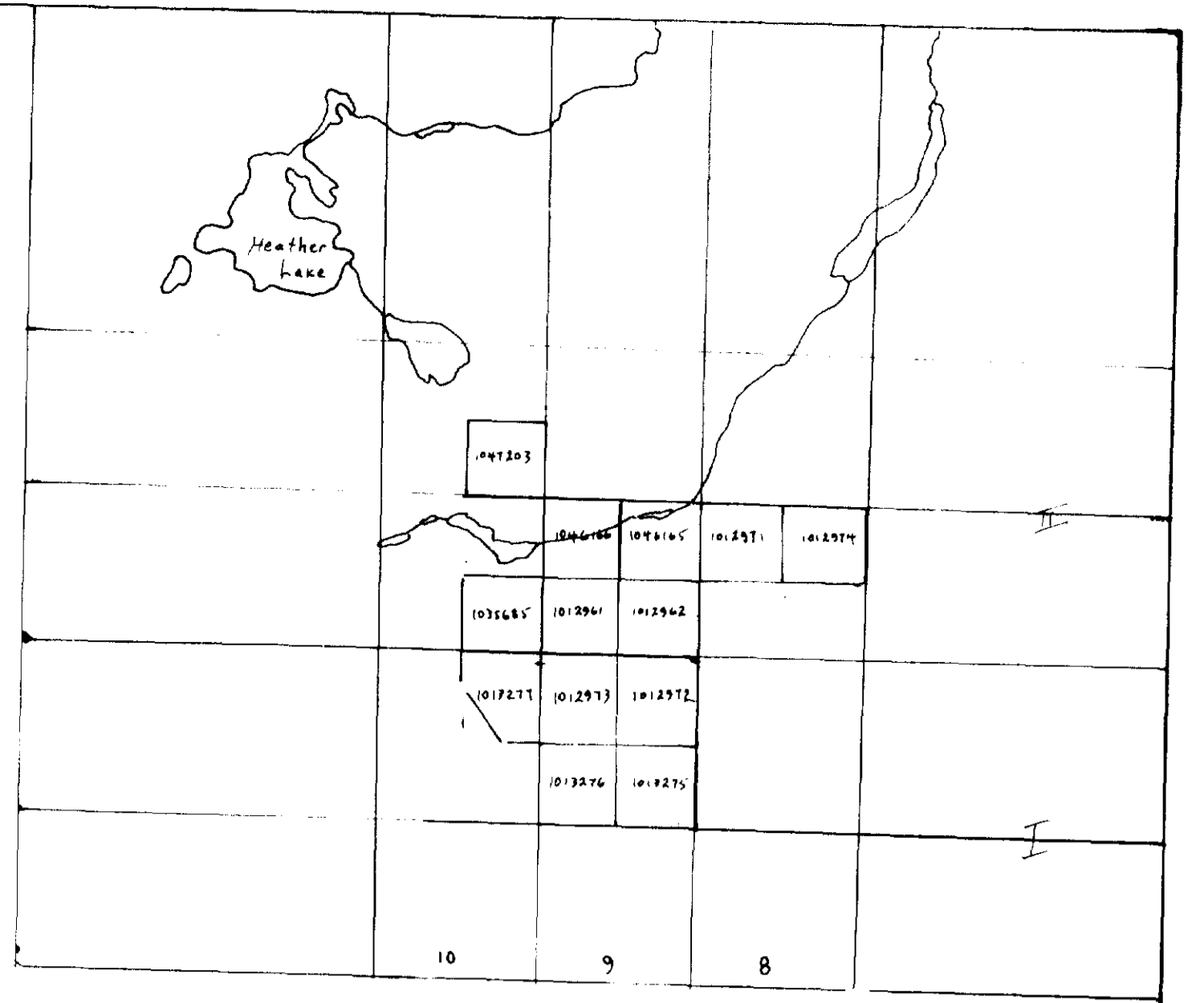
SURFACE AND MINING OPEN FOR STAKING  
SECTION 36/80 APRIL 14/90 ORDER O-L9-90 NER  
**NOTICE OF FORESTRY ACTIVITY**  
THIS TOWNSHIP / AREA FALLS WITHIN THE  
TIMISKAMING MANAGEMENT UNIT  
AND MAY BE SUBJECT TO FORESTRY OPERATIONS.  
THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129  
SWASTIKA, ONT.  
POK ITO  
705-642-3222

PLAN NO. **M-282**

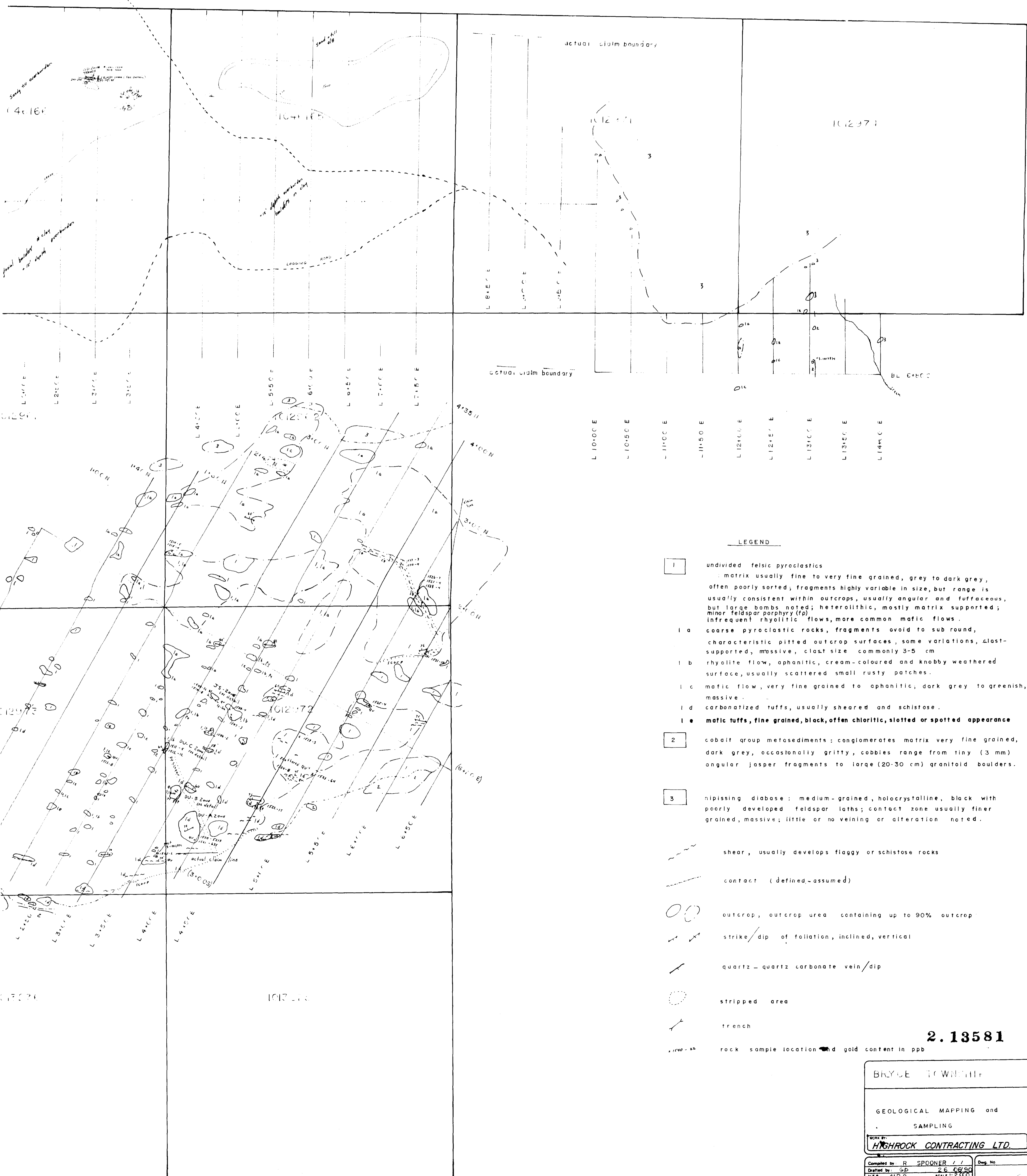
ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

DATE OF ISSUE  
**NOV 19 1988**





BRYCE TOWNSHIP  
LOCATION SKETCH 2" = 1 MILE



**LEGEND**

- 1 undivided felsic pyroclastics  
matrix usually fine to very fine grained, grey to dark grey, often poorly sorted; fragments highly variable in size, but range is usually consistent within outcrops, usually angular and fuffaceous, but large bombs noted; heterolithic, mostly matrix supported; minor feldspar porphyry (fp); infrequent rhyolitic flows, more common mafic flows.
  - 1 a coarse pyroclastic rocks, fragments ovoid to sub round, characteristic pitted outcrop surfaces, some variations, clast-supported, massive, clast size commonly 3-5 cm
  - 1 b rhyolite flow, aphanitic, cream-coloured and knobby weathered surface, usually scattered small rusty patches.
  - 1 c mafic flow, very fine grained to aphanitic, dark grey to greenish, massive.
  - 1 d carbonatized tuffs, usually sheared and schistose.
  - 1 e mafic tuffs, fine grained, black, often chloritic, slotted or spotted appearance
  - 2 cobalt group metasediments: conglomerates matrix very fine grained, dark grey, occasionally gritty, cobbles range from tiny (3 mm) angular jasper fragments to large (20-30 cm) granitoid boulders.
  - 3 nipissing diabase: medium-grained, holocrystalline, black with poorly developed feldspar laths; contact zone usually finer grained, massive; little or no veining or alteration noted.
- shear, usually develops flaggy or schistose rocks
  - contact (defined-assumed)
  - outcrop, outcrop area containing up to 90% outcrop
  - strike/dip of foliation, inclined, vertical
  - quartz-carbonate vein/dip
  - stripped area
  - trench
  - rock sample location and gold content in ppb

**2. 13581**

BRYCE TOWNSHIP

GEOLOGICAL MAPPING and SAMPLING

Done by: **HIGHROCK CONTRACTING LTD.**

Compiled by: R. SPOONER / /  
 Dated by: G.D. 26.06.90  
 N.T.S. 41P.9 SCALE 1:2,000  
 Disposition: [ ] Draw No. [ ]





2.19581

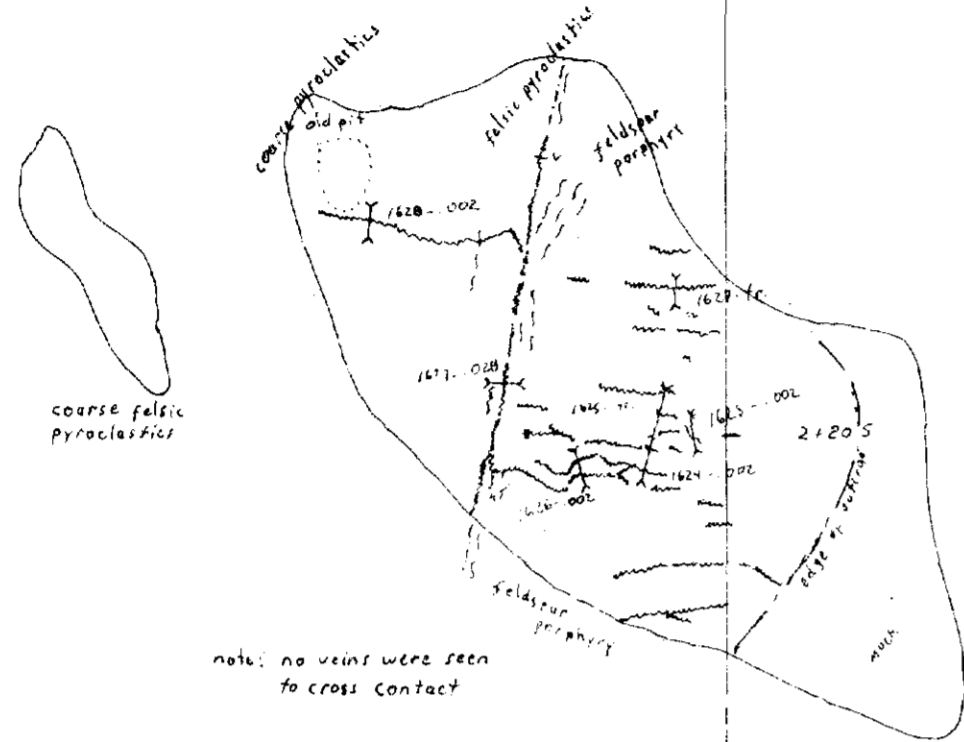
BRYCE TOWNSHIP

VLF EM SURVEYS

HIGHROCK CONTRACTING LTD.

Compiled by: G.D. / /  
 Drawn by: N.P. / /  
 M.F.S. N.P. 9 SCALE 1:2,000  
 Disposition: / /  
 Dwg. No. / /

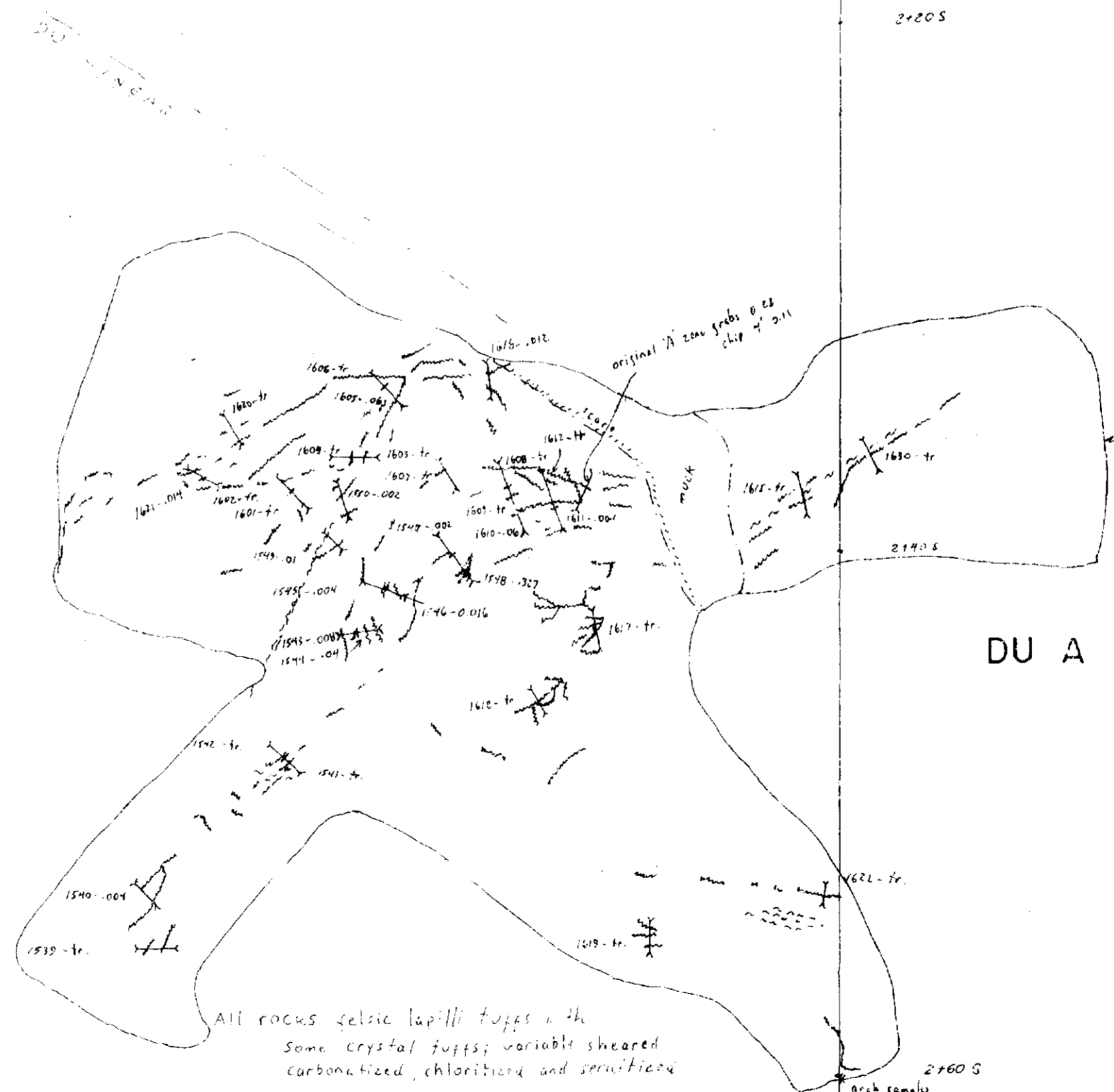
DU B ZONE



note: line separation here is 95 m



- LEGEND**
- QUARTZ VEIN
  - SHEAR STRIKE/DIP
  - SAWED CHANNEL SAMPLE
  - 1603 - .001** SAMPLE NUMBER & GOLD CONTENT IN OZ/T
  - STRIPPED AREAS



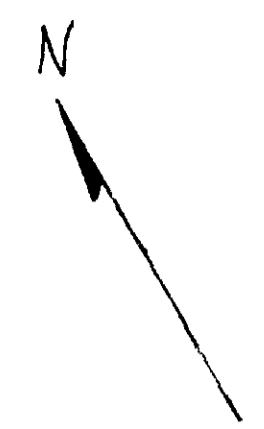
DU A ZONE

**2.13581**

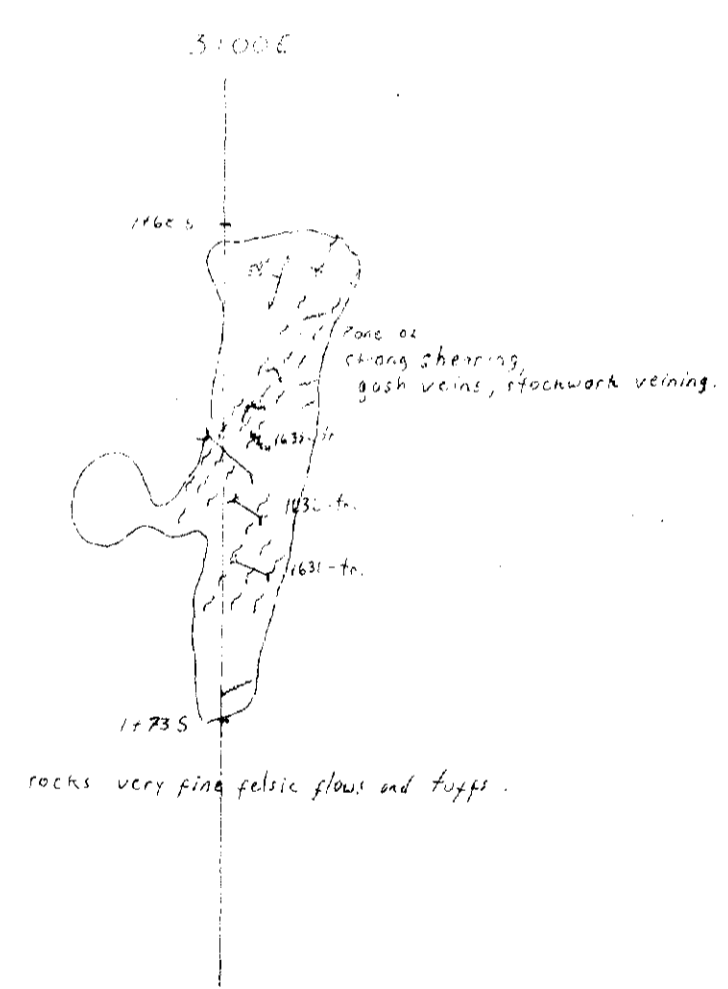
|  |                |
|--|----------------|
| BRYCE TOWNSHIP                               |                |
| DETAILED SKETCH                              |                |
| DU A & B ZONES                               |                |
| WORK BY:<br><b>HIGHROCK CONTRACTING LTD.</b> |                |
| Compiled by: <b>R SPOONER</b>                | Dwg No.        |
| Drafted by: <b>G.D.</b>                      | <b>5.10.79</b> |
| N.T.S. <b>41 - P - 9</b> SCALE <b>1:200</b>  |                |
| Disposition(s):                              |                |



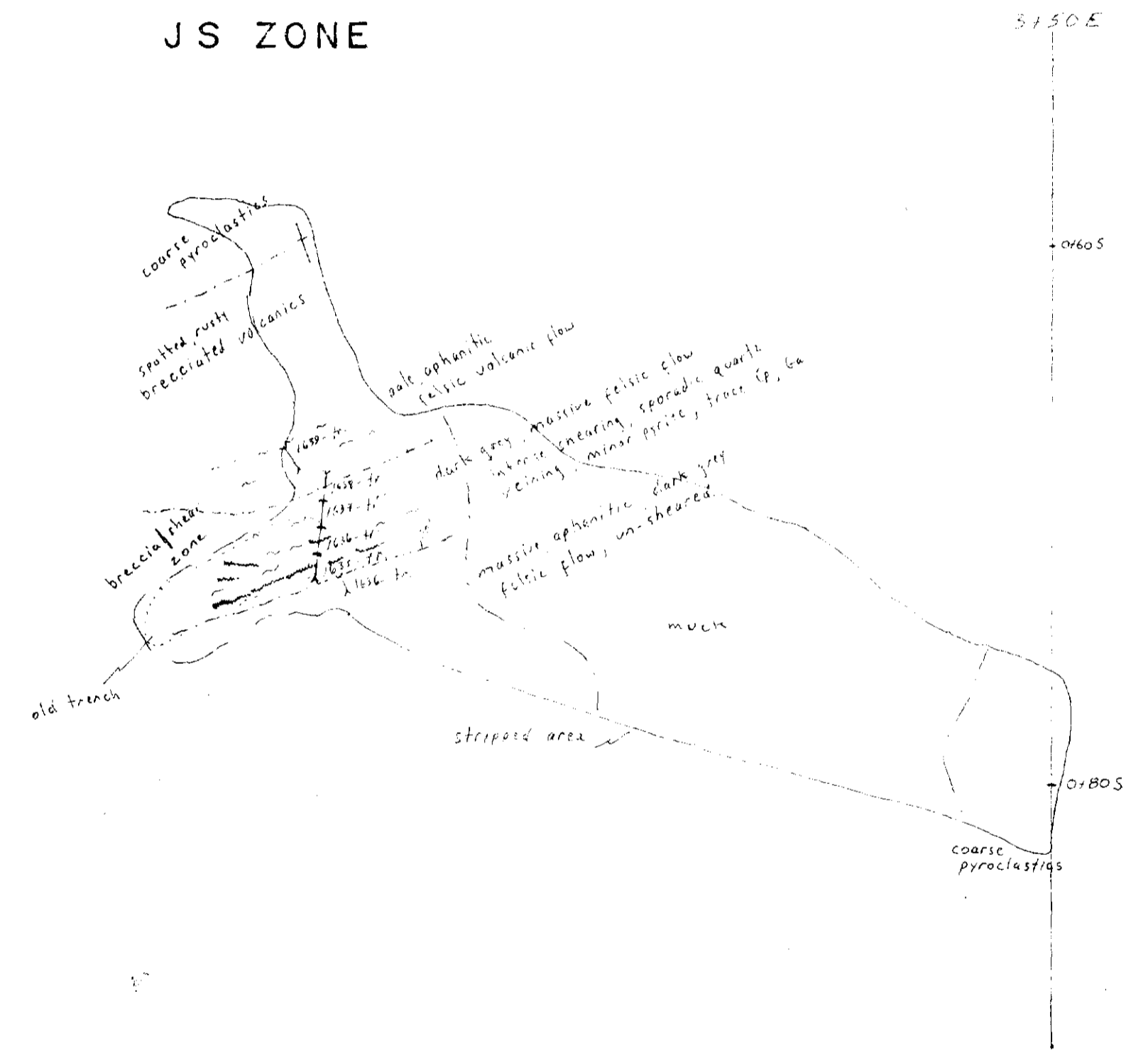
#3 101274  
#2 101273  
approx. 3000  
3000



DU C ZONE



JS ZONE



- LEGEND**
- QUARTZ VEIN
  - SHEAR STRIKE/DIP
  - SAWED CHANNEL SAMPLE
  - 1603-1002 SAMPLE NUMBER & GOLD CONTENT IN OZ/T
  - STRIPPED AREAS

2. 13581

BRYCE TOWNSHIP

DETAILED SKETCH

DU C & JS ZONES

WORK BY: HIGHROCK CONTRACTING LTD.

|                            |             |
|----------------------------|-------------|
| Compiled by: R SPOONER / / | Dep. No.    |
| Drafted by: G D 05 07/90   |             |
| N.T.S. 41-P-9              | SCALE 1:200 |
| Disposition(s):            |             |





|   |  |
|---|--|
| Drawn by: <i>[Signature]</i><br>Checked by: <i>[Signature]</i><br>Date: <i>[Date]</i> |  |
| HIGHROCK CONTRACTING LTD.<br>BOULDER BR.  |  |
| G.D. SHEAR ZONE<br>TRENCHING + SAMPLING<br>LOCATIONS + ASSAYS                         |  |
| BRYCE TOWNSHIP  |  |

2.13581

4m  
 245 ppm  
 7102  
 1m ppm

DESCRIPTION  
 SHEARED VOLCANIC, FRACTURED GRANITE, FELSITES  
 7090

SAMPLE NO  
 7090

Ca ppm  
 380  
 4800  
 760  
 400

AN  
 1008  
 02/T.M.  
 380

DESCRIPTION  
 1501  
 1502  
 1503  
 1504  
 7019  
 7020  
 7021  
 7022  
 7023  
 7024  
 7025  
 7026  
 7027  
 7028  
 7029  
 7030  
 7031  
 7032  
 7033  
 7034  
 7035  
 7036  
 7037  
 7038  
 7039  
 7040  
 7041  
 7042  
 7043  
 7044  
 7045  
 7046  
 7047  
 7048  
 7049  
 7050  
 7051  
 7052  
 7053  
 7054  
 7055  
 7056  
 7057  
 7058  
 7059  
 7060  
 7061  
 7062  
 7063  
 7064  
 7065  
 7066  
 7067  
 7068  
 7069  
 7070  
 7071  
 7072  
 7073  
 7074  
 7075  
 7076  
 7077  
 7078  
 7079  
 7080  
 7081  
 7082  
 7083  
 7084  
 7085  
 7086  
 7087  
 7088  
 7089  
 7090  
 7091  
 7092  
 7093  
 7094  
 7095  
 7096  
 7097  
 7098  
 7099  
 7100  
 7101  
 7102  
 7103  
 7104  
 7105  
 7106  
 7107  
 7108  
 7109  
 7110  
 7111  
 7112  
 7113  
 7114  
 7115  
 7116  
 7117  
 7118  
 7119  
 7120  
 7121  
 7122  
 7123  
 7124  
 7125  
 7126  
 7127  
 7128  
 7129  
 7130  
 7131  
 7132  
 7133  
 7134  
 7135  
 7136  
 7137  
 7138  
 7139  
 7140  
 7141  
 7142  
 7143  
 7144  
 7145  
 7146  
 7147  
 7148  
 7149  
 7150  
 7151  
 7152  
 7153  
 7154  
 7155  
 7156  
 7157  
 7158  
 7159  
 7160  
 7161  
 7162  
 7163  
 7164  
 7165  
 7166  
 7167  
 7168  
 7169  
 7170  
 7171  
 7172  
 7173  
 7174  
 7175  
 7176  
 7177  
 7178  
 7179  
 7180  
 7181  
 7182  
 7183  
 7184  
 7185  
 7186  
 7187  
 7188  
 7189  
 7190  
 7191  
 7192  
 7193  
 7194  
 7195  
 7196  
 7197  
 7198  
 7199  
 7200  
 7201  
 7202  
 7203  
 7204  
 7205  
 7206  
 7207  
 7208  
 7209  
 7210  
 7211  
 7212  
 7213  
 7214  
 7215  
 7216  
 7217  
 7218  
 7219  
 7220  
 7221  
 7222  
 7223  
 7224  
 7225  
 7226  
 7227  
 7228  
 7229  
 7230  
 7231  
 7232  
 7233  
 7234  
 7235  
 7236  
 7237  
 7238  
 7239  
 7240  
 7241  
 7242  
 7243  
 7244  
 7245  
 7246  
 7247  
 7248  
 7249  
 7250  
 7251  
 7252  
 7253  
 7254  
 7255  
 7256  
 7257  
 7258  
 7259  
 7260  
 7261  
 7262  
 7263  
 7264  
 7265  
 7266  
 7267  
 7268  
 7269  
 7270  
 7271  
 7272  
 7273  
 7274  
 7275  
 7276  
 7277  
 7278  
 7279  
 7280  
 7281  
 7282  
 7283  
 7284  
 7285  
 7286  
 7287  
 7288  
 7289  
 7290  
 7291  
 7292  
 7293  
 7294  
 7295  
 7296  
 7297  
 7298  
 7299  
 7300  
 7301  
 7302  
 7303  
 7304  
 7305  
 7306  
 7307  
 7308  
 7309  
 7310  
 7311  
 7312  
 7313  
 7314  
 7315  
 7316  
 7317  
 7318  
 7319  
 7320  
 7321  
 7322  
 7323  
 7324  
 7325  
 7326  
 7327  
 7328  
 7329  
 7330  
 7331  
 7332  
 7333  
 7334  
 7335  
 7336  
 7337  
 7338  
 7339  
 7340  
 7341  
 7342  
 7343  
 7344  
 7345  
 7346  
 7347  
 7348  
 7349  
 7350  
 7351  
 7352  
 7353  
 7354  
 7355  
 7356  
 7357  
 7358  
 7359  
 7360  
 7361  
 7362  
 7363  
 7364  
 7365  
 7366  
 7367  
 7368  
 7369  
 7370  
 7371  
 7372  
 7373  
 7374  
 7375  
 7376  
 7377  
 7378  
 7379  
 7380  
 7381  
 7382  
 7383  
 7384  
 7385  
 7386  
 7387  
 7388  
 7389  
 7390  
 7391  
 7392  
 7393  
 7394  
 7395  
 7396  
 7397  
 7398  
 7399  
 7400  
 7401  
 7402  
 7403  
 7404  
 7405  
 7406  
 7407  
 7408  
 7409  
 7410  
 7411  
 7412  
 7413  
 7414  
 7415  
 7416  
 7417  
 7418  
 7419  
 7420  
 7421  
 7422  
 7423  
 7424  
 7425  
 7426  
 7427  
 7428  
 7429  
 7430  
 7431  
 7432  
 7433  
 7434  
 7435  
 7436  
 7437  
 7438  
 7439  
 7440  
 7441  
 7442  
 7443  
 7444  
 7445  
 7446  
 7447  
 7448  
 7449  
 7450  
 7451  
 7452  
 7453  
 7454  
 7455  
 7456  
 7457  
 7458  
 7459  
 7460  
 7461  
 7462  
 7463  
 7464  
 7465  
 7466  
 7467  
 7468  
 7469  
 7470  
 7471  
 7472  
 7473  
 7474  
 7475  
 7476  
 7477  
 7478  
 7479  
 7480  
 7481  
 7482  
 7483  
 7484  
 7485  
 7486  
 7487  
 7488  
 7489  
 7490  
 7491  
 7492  
 7493  
 7494  
 7495  
 7496  
 7497  
 7498  
 7499  
 7500  
 7501  
 7502  
 7503  
 7504  
 7505  
 7506  
 7507  
 7508  
 7509  
 7510  
 7511  
 7512  
 7513  
 7514  
 7515  
 7516  
 7517  
 7518  
 7519  
 7520  
 7521  
 7522  
 7523  
 7524  
 7525  
 7526  
 7527  
 7528  
 7529  
 7530  
 7531  
 7532  
 7533  
 7534  
 7535  
 7536  
 7537  
 7538  
 7539  
 7540  
 7541  
 7542  
 7543  
 7544  
 7545  
 7546  
 7547  
 7548  
 7549  
 7550  
 7551  
 7552  
 7553  
 7554  
 7555  
 7556  
 7557  
 7558  
 7559  
 7560  
 7561  
 7562  
 7563  
 7564  
 7565  
 7566  
 7567  
 7568  
 7569  
 7570  
 7571  
 7572  
 7573  
 7574  
 7575  
 7576  
 7577  
 7578  
 7579  
 7580  
 7581  
 7582  
 7583  
 7584  
 7585  
 7586  
 7587  
 7588  
 7589  
 7590  
 7591  
 7592  
 7593  
 7594  
 7595  
 7596  
 7597  
 7598  
 7599  
 7600  
 7601  
 7602  
 7603  
 7604  
 7605  
 7606  
 7607  
 7608  
 7609  
 7610  
 7611  
 7612  
 7613  
 7614  
 7615  
 7616  
 7617  
 7618  
 7619  
 7620  
 7621  
 7622  
 7623  
 7624  
 7625  
 7626  
 7627  
 7628  
 7629  
 7630  
 7631  
 7632  
 7633  
 7634  
 7635  
 7636  
 7637  
 7638  
 7639  
 7640  
 7641  
 7642  
 7643  
 7644  
 7645  
 7646  
 7647  
 7648  
 7649  
 7650  
 7651  
 7652  
 7653  
 7654  
 7655  
 7656  
 7657  
 7658  
 7659  
 7660  
 7661  
 7662  
 7663  
 7664  
 7665  
 7666  
 7667  
 7668  
 7669  
 7670  
 7671  
 7672  
 7673  
 7674  
 7675  
 7676  
 7677  
 7678  
 7679  
 7680  
 7681  
 7682  
 7683  
 7684  
 7685  
 7686  
 7687  
 7688  
 7689  
 7690  
 7691  
 7692  
 7693  
 7694  
 7695  
 7696  
 7697  
 7698  
 7699  
 7700  
 7701  
 7702  
 7703  
 7704  
 7705  
 7706  
 7707  
 7708  
 7709  
 7710  
 7711  
 7712  
 7713  
 7714  
 7715  
 7716  
 7717  
 7718  
 7719  
 7720  
 7721  
 7722  
 7723  
 7724  
 7725  
 7726  
 7727  
 7728  
 7729  
 7730  
 7731  
 7732  
 7733  
 7734  
 7735  
 7736  
 7737  
 7738  
 7739  
 7740  
 7741  
 7742  
 7743  
 7744  
 7745  
 7746  
 7747  
 7748  
 7749  
 7750  
 7751  
 7752  
 7753  
 7754  
 7755  
 7756  
 7757  
 7758  
 7759  
 7760  
 7761  
 7762  
 7763  
 7764  
 7765  
 7766  
 7767  
 7768  
 7769  
 7770  
 7771  
 7772  
 7773  
 7774  
 7775  
 7776  
 7777  
 7778  
 7779  
 7780  
 7781  
 7782  
 7783  
 7784  
 7785  
 7786  
 7787  
 7788  
 7789  
 7790  
 7791  
 7792  
 7793  
 7794  
 7795  
 7796  
 7797  
 7798  
 7799  
 7800  
 7801  
 7802  
 7803  
 7804  
 7805  
 7806  
 7807  
 7808  
 7809  
 7810  
 7811  
 7812  
 7813  
 7814  
 7815  
 7816  
 7817  
 7818  
 7819  
 7820  
 7821  
 7822  
 7823  
 7824  
 7825  
 7826  
 7827  
 7828  
 7829  
 7830  
 7831  
 7832  
 7833  
 7834  
 7835  
 7836  
 7837  
 7838  
 7839  
 7840  
 7841  
 7842  
 7843  
 7844  
 7845  
 7846  
 7847  
 7848  
 7849  
 7850  
 7851  
 7852  
 7853  
 7854  
 7855  
 7856  
 7857  
 7858  
 7859  
 7860  
 7861  
 7862  
 7863  
 7864  
 7865  
 7866  
 7867  
 7868  
 7869  
 7870  
 7871  
 7872  
 7873  
 7874  
 7875  
 7876  
 7877  
 7878  
 7879  
 7880  
 7881  
 7882  
 7883  
 7884  
 7885  
 7886  
 7887  
 7888  
 7889  
 7890  
 7891  
 7892  
 7893  
 7894  
 7895  
 7896  
 7897  
 7898  
 7899  
 7900  
 7901  
 7902  
 7903  
 7904  
 7905  
 7906  
 7907  
 7908  
 7909  
 7910  
 7911  
 7912  
 7913  
 7914  
 7915  
 7916  
 7917  
 7918  
 7919  
 7920  
 7921  
 7922  
 7923  
 7924  
 7925  
 7926  
 7927  
 7928  
 7929  
 7930  
 7931  
 7932  
 7933  
 7934  
 7935  
 7936  
 7937  
 7938  
 7939  
 7940  
 7941  
 7942  
 7943  
 7944  
 7945  
 7946  
 7947  
 7948  
 7949  
 7950  
 7951  
 7952  
 7953  
 7954  
 7955  
 7956  
 7957  
 7958  
 7959  
 7960  
 7961  
 7962  
 7963  
 7964  
 7965  
 7966  
 7967  
 7968  
 7969  
 7970  
 7971  
 7972  
 7973  
 7974  
 7975  
 7976  
 7977  
 7978  
 7979  
 7980  
 7981  
 7982  
 7983  
 7984  
 7985  
 7986  
 7987  
 7988  
 7989  
 7990  
 7991  
 7992  
 7993  
 7994  
 7995  
 7996  
 7997  
 7998  
 7999  
 8000  
 8001  
 8002  
 8003  
 8004  
 8005  
 8006  
 8007  
 8008  
 8009  
 8010  
 8011  
 8012  
 8013  
 8014  
 8015  
 8016  
 8017  
 8018  
 8019  
 8020  
 8021  
 8022  
 8023  
 8024  
 8025  
 8026  
 8027  
 8028  
 8029  
 8030  
 8031  
 8032  
 8033  
 8034  
 8035  
 8036  
 8037  
 8038  
 8039  
 8040  
 8041  
 8042  
 8043  
 8044  
 8045  
 8046  
 8047  
 8048  
 8049  
 8050  
 8051  
 8052  
 8053  
 8054  
 8055  
 8056  
 8057  
 8058  
 8059  
 8060  
 8061  
 8062  
 8063  
 8064  
 8065  
 8066  
 8067  
 8068  
 8069  
 8070  
 8071  
 8072  
 8073  
 8074  
 8075  
 8076  
 8077  
 8078  
 8079  
 8080  
 8081  
 8082  
 8083  
 8084  
 8085  
 8086  
 8087  
 8088  
 8089  
 8090  
 8091  
 8092  
 8093  
 8094  
 8095  
 8096  
 8097  
 8098  
 8099  
 8100  
 8101  
 8102  
 8103  
 8104  
 8105  
 8106  
 8107  
 8108  
 8109  
 8110  
 8111  
 8112  
 8113  
 8114  
 8115  
 8116  
 8117  
 8118  
 8119  
 8120  
 8121  
 8122  
 8123  
 8124  
 8125  
 8126  
 8127  
 8128  
 8129  
 8130  
 8131  
 8132  
 8133  
 8134  
 8135  
 8136  
 8137  
 8138  
 8139  
 8140  
 8141  
 8142  
 8143  
 8144  
 8145  
 8146  
 8147  
 8148  
 8149  
 8150  
 8151  
 8152  
 8153  
 8154  
 8155  
 8156  
 8157  
 8158  
 8159  
 8160  
 8161  
 8162  
 8163  
 8164  
 8165  
 8166  
 8167  
 8168  
 8169  
 8170  
 8171  
 8172  
 8173  
 8174  
 8175  
 8176  
 8177  
 8178  
 8179  
 8180  
 8181  
 8182  
 8183  
 8184  
 8185  
 8186  
 8187  
 8188  
 8189  
 8190  
 8191  
 8192  
 8193  
 8194  
 8195  
 8196  
 8197  
 8198  
 8199  
 8200  
 8201  
 8202  
 8203  
 8204  
 8205  
 8206  
 8207  
 8208  
 8209  
 8210  
 8211  
 8212  
 8213  
 8214  
 8215  
 8216  
 8217  
 8218  
 8219  
 8220  
 8221  
 8222  
 8223  
 8224  
 8225  
 8226  
 8227  
 8228  
 8229  
 8230  
 8231  
 8232  
 8233  
 8234  
 8235  
 8236  
 8237  
 8238  
 8239  
 8240  
 8241  
 8242  
 8243  
 8244  
 8245  
 8246  
 8247  
 8248  
 8249  
 8250  
 8251  
 8252  
 8253  
 8254  
 8255  
 8256  
 8257  
 8258  
 8259  
 8260  
 8261  
 8262  
 8263  
 8264  
 8265  
 8266  
 8267  
 8268  
 8269  
 8270  
 8271  
 8272  
 8273  
 8274  
 8275  
 8276  
 8277  
 8278  
 8279  
 8280  
 8281  
 8282  
 8283  
 8284  
 8285  
 8286  
 8287  
 8288  
 8289  
 8290  
 8291  
 8292  
 8293  
 8294  
 8295  
 8296  
 8297  
 8298  
 8299  
 8300  
 8301  
 8302  
 8303  
 8304  
 8305  
 8306  
 8307  
 8308  
 8309  
 8310  
 8311  
 8312  
 8313  
 8314  
 8315  
 8316  
 8317  
 8318  
 8319  
 8320  
 8321  
 8322  
 8323

