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ASSESSMENT REPORT
GEOLOGY AND GEOCHEMISTRY
SHELFORD HILLS PROPERTIES
HILLS 1, 2, SHEL 1, 3-6, 9, 10
Record numbers 8475-8481, 8483, 9014

OMINECA MINING DIVISION
N.T.S. 93 E/15E

Latitude: 53 deg 51.5-57.5'N
Longitude: 126 deg 33.5-44.5'W

Work Performed:
June 22, 1988 to June 21, 1989

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

July, 198

19,107

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SUMMARY

A total of 78 man days were spent working on or in the area of the Shelford Hills claim groups (located south of Houston, B.C.) between June 22, 1988 and June 21, 1989. This work was done in four periods during this time period. Work consisted of reconnaissance geological mapping, prospecting, soil sampling, silt sampling, and rock sampling and included some minor grid work.

The claims are underlain by felsic, subaerial volcanics which are intruded by (coeval?) stocks of gabbro to monzonite. Large areas of weakly altered (sericite, clay, chlorite, or quartz) felsic volcanics with disseminated pyrite mineralization occur on the Shel 5, 9, and 10 claims along part of a circular structure.

Rock analyses are highly anomalous in a few samples for zinc and gold (up to 4313 ppm and 310 ppb, respectively). Most of the anomalous samples are from the Shel 9 and 10 claims. Soil anomalies up to 158 ppb Au and 7.3 ppm Ag are also most common over the Shel 5, 9, and 10 claims. Some silt samples have very high Mn values (up to 58,000 ppm Mn) and may scavenge such elements as Zn and Ba. Au silt anomalies tend to occur in higher order streams.

Future work should focus on locating mineralized structures within the geochemically anomalous areas; ie. the areas in the vicinity of the Shel 5, 9, and 10 claims.

INTRODUCTION

PURPOSE:

Re-analysis of old Noranda silt samples showed high values of lead, manganese, molybdenum, and zinc in the Shelford Hills area. Several silt samples were anomalous in gold and silver as well. These results plus the regional geology (Cretaceous, subaerial, felsic volcanics) suggested an environment suitable for epithermal precious metal deposits.

A number of exploration programs have been carried out in the area. Geochemical anomalies were located by both Kennco and Canamax. However, there is no record that these anomalies were further investigated.

In 1987 and 1988 Noranda employees attempted to relocate and confirm the above mentioned anomalies. Some time was also spent investigating other areas within the Shelford Hills area.

From June 1988 to June 1989 more work was done in the Shelford Hills area. However, the reinvestigation of previously discovered anomalous zones was no longer the main goal of the project.

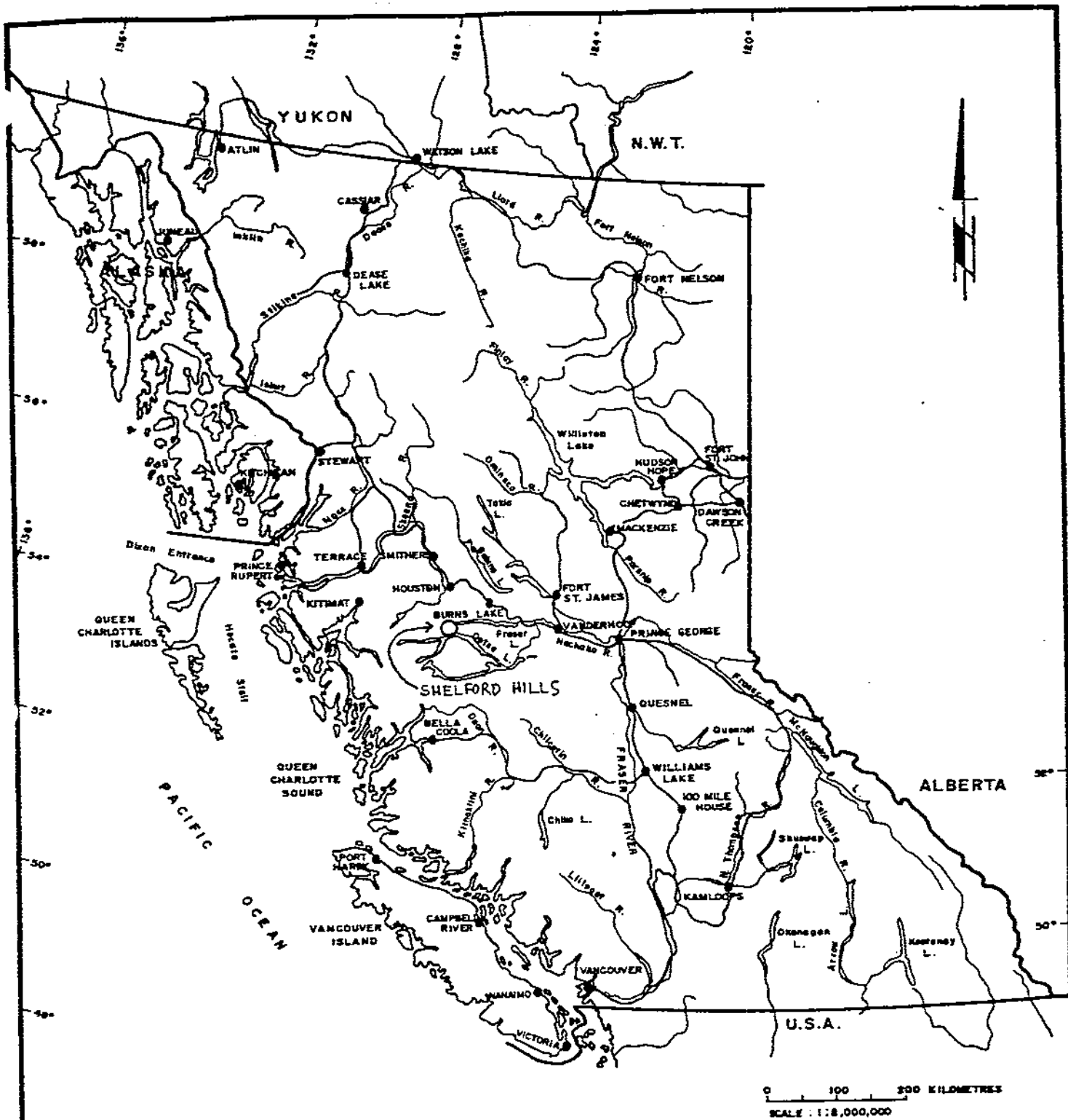
Within the Shelford Hills area, the presence of a number of large linears and a circular feature have been interpreted from satellite images. The purpose of the 1988-89 work was to map the geology, prospect and sample as many of these assumed lineaments as possible. The objective was to locate any economic mineralization that may be associated with these lineaments.

LOCATION AND ACCESS:

The Shelford Hills are located 55 km south of Houston, B.C. (Figure 1). Noranda has claims covering some of the eastern two-thirds of the Shelford Hills. The Shelford Hills are a circular plateau rising from a base of 915 m (3000 feet) to an upland surface of about 1372 m (4500 feet).

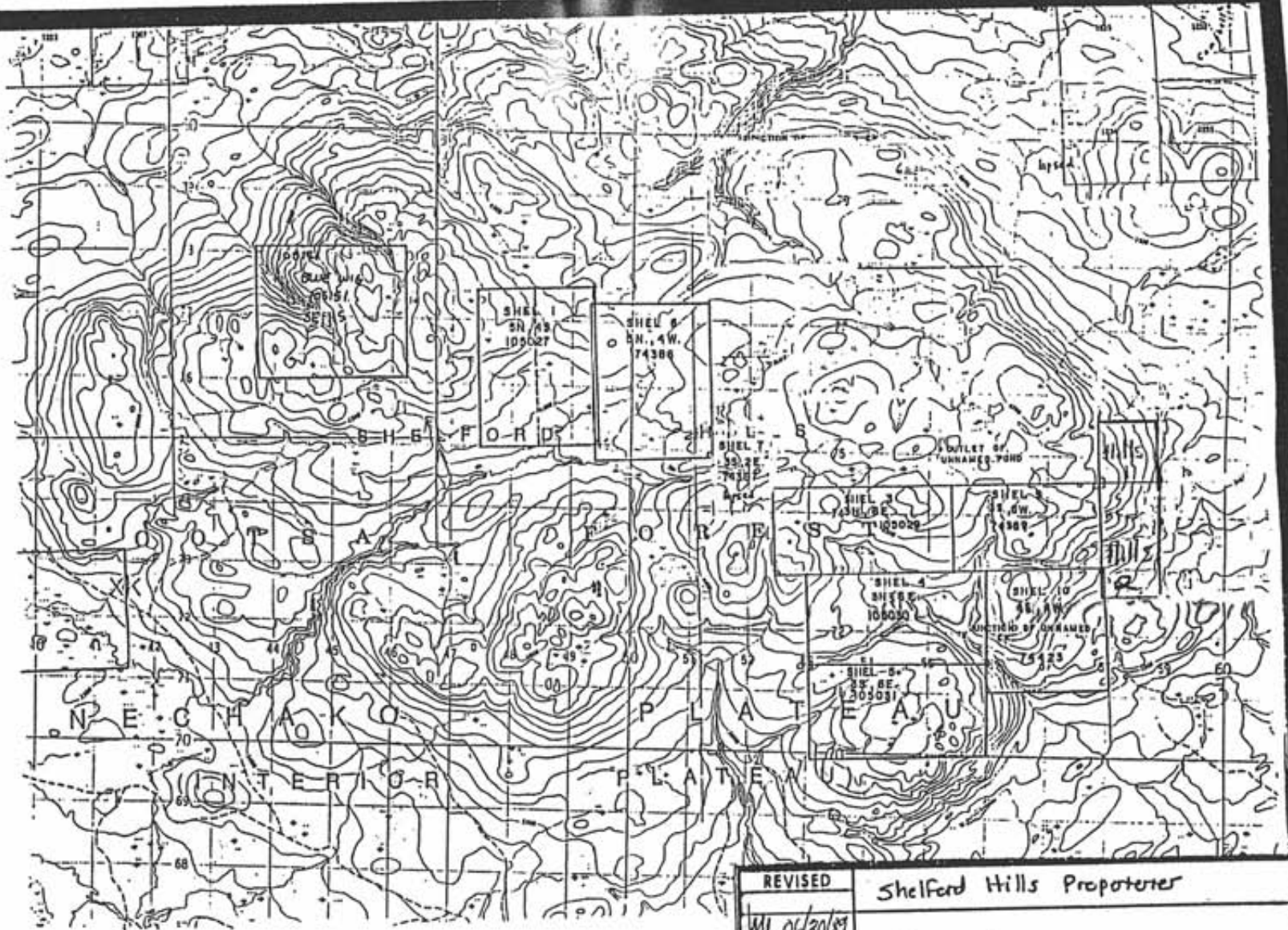
The Shelford Hills rise south of the Nadina River and the western end of Francois Lake and north of Ootsa Lake, Tahtsa Reach, and the Mosquito Hills.

The Shelford Hills properties cover ground ranging from 912 m (3000 feet) to 1463 m (4800 feet) in elevation. Noranda's claims are covered by pine, spruce, and balsam-rich forest and by grass-moss glades near treeline at wet locations.

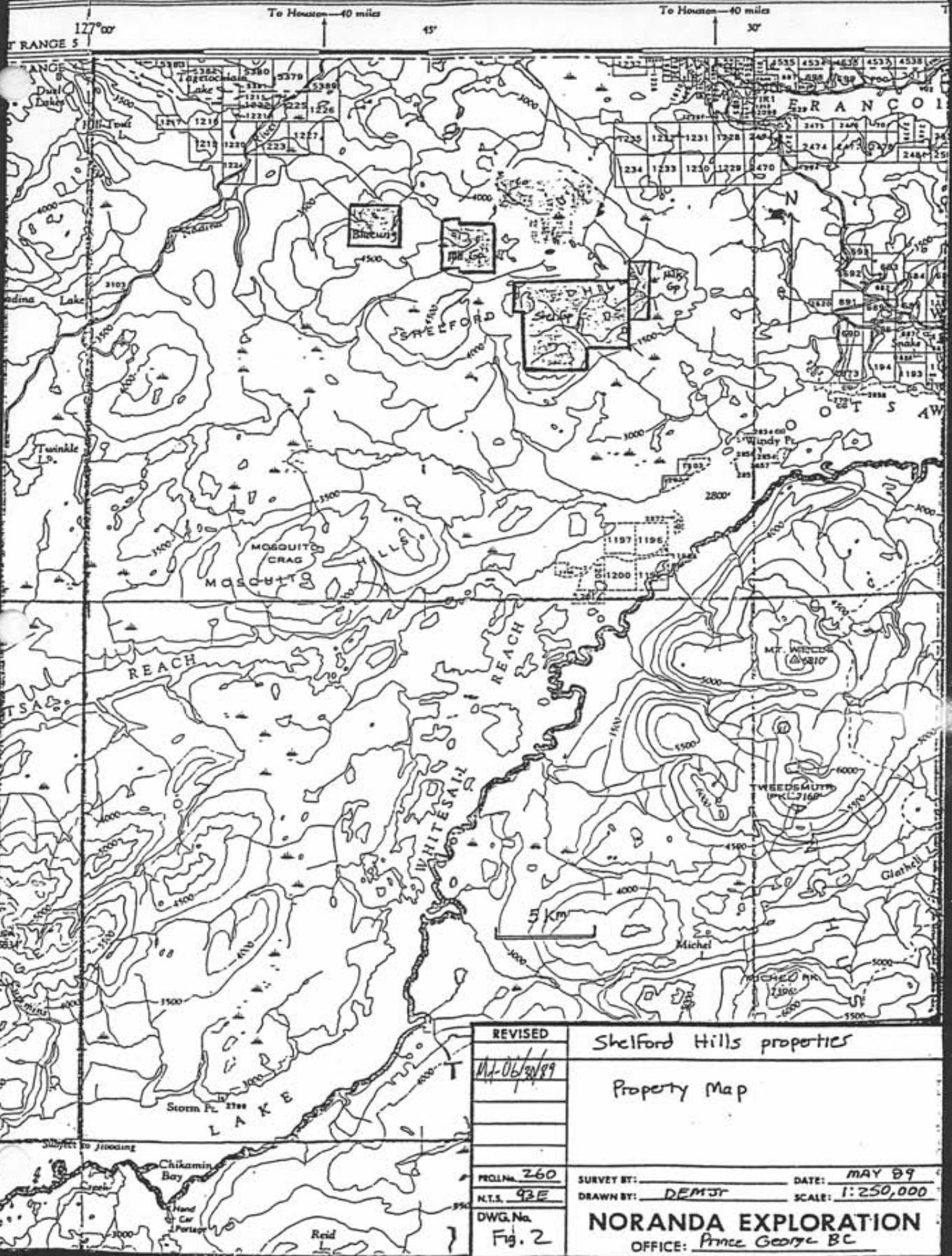


| | | |
|-----------------|--|---------------------------|
| REVISED | Shelford Hills Properties | |
| | Location Map | |
| PROJ. No. 255 | SURVEY BY: <u>dm</u> | DATE: <u>Sept. 88</u> |
| N.T.S. 93 E/15E | DRAWN BY: <u>S.K.B.</u> | SCALE: <u>1:8,000,000</u> |
| DWG. No. Fig. 1 | NORANDA EXPLORATION OFFICE: <u>PRINCE GEORGE, B.C.</u> | |

VANCAL 11927



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|----------------------|--|------------------|
| REVISED | Shelford Hills Propoteter | |
| ML 06/30/89 | Claim map, Shelford Hills area | |
| PROJ. No. 260 | SURVEY BY: DEMJR | DATE: MAY 89 |
| N.T.S. 93E/15 | DRAWN BY: SB | SCALE: 1:100,000 |
| DWG. No. 'Fig. 2' | NORANDA EXPLORATION OFFICE: Prince George | |



| | | |
|--------------------|---------------------------|------------------|
| REVISED | Shelford Hills properties | |
| <i>11-06/20/89</i> | Property Map | |
| PROJ. No. 260 | SURVEY BY: _____ | DATE: MAY 89 |
| N.T.S. 93E | DRAWN BY: DEMJR | SCALE: 1:250,000 |
| DWG. No. Fig. 2 | NORANDA EXPLORATION | |
| | OFFICE: Prince George BC | |

Access to the Shelford Hills is via logging roads which encircle the plateau, but do not climb onto it. From these roads, helicopters were used to shuttle men, equipment, and supplies to fly camps on the central plateau. The peripheral part of the plateau was accessed by logging roads.

PROPERTY:

The properties consisted of ten claims in three blocks within the Shelford Hills area (Table 1). Noranda Exploration staked the claims and holds clear title except for overlap with the Ford claim (record number 4912).

Work on the Bluewig claim is not included in this report.

TABLE 1: List of claims owned by Noranda Exploration Co., Ltd. in the Shelford Hills area, NTS 93 E/15 E

| Claim | Record # | Type | Units | Group | Record Date | Due |
|---------|----------|------|-------|-------|---------------|-----|
| Hills 1 | 8475 | MG | 4 | Hills | June 22, 1987 | 89 |
| Hills 2 | 8476 | MG | 4 | Hills | " | 89 |
| Shel 1 | 8477 | MG | 10 | MH | " | 89 |
| Shel 3 | 8478 | MG | 18 | Shel | " | 89 |
| Shel 4 | 8479 | MG | 18 | Shel | " | 89 |
| Shel 5 | 8480 | MG | 18 | Shel | " | 89 |
| Shel 6 | 8481 | MG | 20 | MH | " | 89 |
| Shel 9 | 8483 | MG | 15 | Shel | " | 89 |
| Shel 10 | 9014 | MG | 16 | Shel | Oct. 9, 1987 | 89 |

total 129 units (as of June 22, 1989)

REGIONAL GEOLOGY:

The Shelford Hills lie along the northeastern edge of the Nechako Basin, a Cretaceous and Tertiary depositional basin south of the Skeena Arch. The Nechako Basin is part of the Intermontaine Belt of the Canadian Cordillera.

The Shelford Hills are underlain by Upper Cretaceous Kasalka Group felsic volcanics and Upper Cretaceous to Eocene Ootsa Lake Group volcanics. Younger Endako Group volcanics (mainly basalts) overly these rocks in places. These are intruded by Late Cretaceous granodiorites and monzonites, possibly of the Bulkley intrusive suite (Woodsworth, 1980).

Several directions of faults are mapped in the Shelford Hills area. These have azimuths of about 20, 50-80, and 145-160 degrees (ibid).

PREVIOUS WORK:

A number of assessment reports exist for the Shelford Hills area. The oldest work was by Kennco in 1969 on their Ford and MH claims (AR 2256 and 2314). They report geochemical and magnetic surveys in the area of our MH and Shel groups. IP was later done on their Ford claims, in the area of our Shel 10 claim (AR 4998). Canamax filed soil and silt geochemistry in 1983 over what is our Shel, Hills, and Stan Groups (AR 12074). (The Stan groups lapsed in June 1989.) Evidence of follow-up work in 1984 was found on the ground by our crews in June of 1988. Canamax has not been willing to reveal their results. Riocanex filed geology and rock geochemistry on their Nomann claims (AR 12595) just to the west of Noranda's Shel group.

The Ford claim (record number 4912) has been held by cash in lieu and by physical work. The Man No. 1 claim, within the Ford claim, came open on June 24, 1985. This claim was restaked by the original owner, John Shelford of Burns Lake, in 1988.

Between May 1987 and June 21, 1988, Noranda staked and worked in the Shelford Hills area, both on and off Noranda claim groups. The reader is referred to Myers' 1988 Shelford Hills property assessment report for details concerning this work.

Since the Noranda claims were staked in May 1987, a number of claims have been staked in the Shelford Hills area for Equity Silver and by C. Kowall.

WORK UNDERTAKEN

1988:

Four men spent 11 man-days from June 22, 1988 to June 24, 1988 silt, soil, and rock sampling, geological mapping, and prospecting on the Shel claim group, and nearby areas.

Two men spent four days mapping and sampling the MH grid on the Shel 1 and 6 claims. This was done from August 4 to 7.

Three persons spent 21 person days working in the Shel 3 and 6 areas in early October. Prospecting, mapping, and sampling was done.

The 1988 work included some road traverses, numerous compass and hip chain traverses, and hip chain traverses along creeks, clear cut edges, etc. Minor grid sampling (eg, MH grid and Shel 10 grid), as well as some "mini-grid" (five sample) follow-ups of Canamax soil anomalies were done.

Between June 22, 1988 and December 31, 1988 a total of 51 rock samples, 47 silt samples and 378 soil samples were taken.

1989:

Two men spent 28 man-days working in the area. Seven man-days were spent setting up and taking down camps. 21 man-days were spent exploring the area. One man-day was spent compassing and flagging a 5.0 km line. The other 20 man-days were used to prospect, map, soil, silt, and rock sample the 11 traverses undertaken.

The 1989 program was carried out from two different camp locations. Traverses 1 to 6 were done from the first camp named Gooser's Camp. This camp was located on level, dry ground at the northwest corner of the largest lake on the Shel 3 claim. This large lake is approximately 1.2 km long and is found just inside the western edge of the assumed circular structure (Shelford Hills, Lineaments Map, 1:25,000 - Pocket). This lake was named Dabnee Lake.

The second half of the work was done from Camp Dismal, appropriately named because of its poor water conditions and susceptibility to high winds. Camp Dismal is located on the north side of a small lake (named Dismal Lake). Dismal Lake is found approximately 7.5 km from the northeast end of Dabnee Lake on an azimuth of approximately 055 degrees. This campsite is not recommended for further use.

Work was done by daily traverses that were flagged with stations labelled every 50 meters. The reader is referred to Shelford Hills map sheets 1, 2 and 4 (1:10,000) for the locations of the 11 traverses. Most of the traverses followed the northern to northeastern boundaries of large meadows. A few traverses required a compassed line (Traverses 4, 7, 10, and 11). Soil samples were taken every 50 metres on every traverse.

In total 4 silt samples, 18 rock samples and 355 soil samples were taken during the 1989 program.

All sampling by Noranda personnel (1987, 1988, 1989) was done according to Noranda's standard procedures. Silts and rock grab samples were taken during the course of reconnaissance work at sites chosen by field personnel. Soil samples of inorganic soil horizons (B horizon or till) were taken with grub hoes, soil augers, or shovels from 0.1 to 0.6 m depth, air dried, and shipped to the Noranda Geochemical Laboratory in Vancouver for processing.

All samples were then analyzed by Acme Analytical Laboratories by either ICP or AA methods depending on the element and the type of sample or by Noranda's lab by Atomic Absorbtion.

All field personnel who have worked in the Shelford Hills area between June 22, 1988 and June 21, 1989 are listed in Appendix 1. Costs for the work during this period are listed in Appendix 2.

RESULTS

GEOLOGY & PROSPECTING:

Mappable units have not been formalized by work to date. This is due partly to the number of geologists who have worked on the properties and partly due to the subtle difference in composition, texture, colour, and alteration of the predominantly felsic volcanics found in the area. Petrographic work on hand specimens and thin sections might be necessary to define mappable units.

Tentative map units proposed include:

- Unit 1: (V3 to V4) is light coloured (gray to tan), fine grained tuffs to cobble-size breccias of dacitic to rhyolitic composition. These are the dominant rocks seen on the claims and probably correlate with Woodsworth's (1980) Kasalka Group (uKk). These rocks are commonly altered (silicified, argillized, chloritized, or carbonatized?) and over large areas have been pyritized and weakly mineralized.
- Unit 2: (V2 to V3) is mainly andesitic to dacitic (uKEv) in composition, often with feldspar phenocrysts, and usually massive in appearance. It is especially common east of the Stan 4 claim along the Morice-Francois Forest Service Road. It is probably part of Woodworth's (1980) Ootsa Lake Group volcanics which includes more rhyolitic rocks seen further east on NTS 93 E/16W.
- Unit 3: (V1 to V2) is basaltic to andesitic, very fine grained, dark gray, and often has feldspar phenocrysts (sometimes trachytic). It may be a more mafic member of the Ootsa Lake Group. It may instead be Endako Group mafic volcanics (EMv) which are more common to the east of the claims.
- Unit 4: (P3) is dioritic to granodioritic to monzonitic in composition, porphyritic to medium grained, and massive in outcrop. This unit may represent the source of unit 1 or of Unit 3 volcanics. Outcrops seen are to the northwest of the Hills 1 claim and on the Stan 3 claim.
- Unit 5: (P1, P2) is a gabbro to diorite, medium to coarse grained, black to salt and pepper colour on fresh surface. Massive in outcrop. Outcrops of this unit are found to the northeast of the Hills 1 and 2.

Geology and rock sample location maps are included as Figures 3, 6, 9, 12, and 16. A generalized legend denoting rock composition (as estimated in the field by colour and hardness) and texture is used. More effort spent mapping geologically is needed before contacts between the above units can be reliably drawn.

To date several types of mineralization have been noted on or near the Shelford Hills claim groups.

Although rare, some quartz-pyrite veining was discovered prior to June 22, 1988 (Myers 1988).

The most common type of mineralization observed consists of rusty rhyolites and dacites with disseminated pyrite or iron oxides after pyrite. Pyrite is generally fine grained and ranges from trace to 10% or more, commonly constituting 1 to 2% of the rock. Pyrite is commonly associated with silicious, sericitic, or clayey alteration of the felsic volcanics. Minor disseminated sphalerite and galena have also been observed. During the 1989 program none of the rocks encountered were composed of more than 2% sulfides.

Rock samples have been taken from all of the major lithological units that have been encountered by Noranda personnel to date.

GEOCHEMISTRY:

Rocks

Sixty-nine rock samples were taken on or near the Shelford Hills claims from June 22, 1988 to June 21, 1989. Of these 69 samples, 40 were found to be anomalous in one or more elements.

The samples are described and analyses are given in Appendices 4 and 5. Locations are shown on Figures 3, 6, 9, 12, and 16.

Minimum and maximum values that Noranda has obtained to date are listed below. Note that none of the values are of ore grade. Nevertheless, the wide distribution of anomalous samples in the Shelford Hills is encouraging.

| Element | Low Value | Threshold | High Value |
|---------|-----------|-----------|------------|
| Mo | 1 ppm | 10 ppm | 83 ppm |
| Cu | 1 | 100 | 363 |
| Pb | 2 | 30 | 487 |
| Zn | 7 ** | 250 | 4313 * |
| Ag | 0.1 | 1.6 | 5.5 |
| Au | 0.001 | 0.010 | 0.310 |
| As | 2 | 100 | 906 |
| Sb | 2 | 10 | 12 |
| Bi | 2 | 10 | 83 |
| Ba | 12 | 400 | 1538 |
| Mn | 27 | 2000 | 4920* |
| Fe | .6% | 7.0% | 19.2% |

* a sample of bog Mn (94475) ran +10% Mn and 1.8% Zn

** values changed as a result of the 1988/89 programs

The best rock geochemical anomalies for precious metals that Noranda Personnel have collected include:

| Sample # | Location | Au ppb | Ag ppm | Other | Rock Type |
|----------|-----------|--------|--------|------------------------|------------|
| 19908 | Shel 9 | | | 3977 ppm Zn | rhyolite |
| 36174 | Shel 10 | | | 906 ppm As | rhyolite |
| 38003 | Shel 9 | | 5.5 | | rhyolite |
| 76061 | Shel 9 | 134 | | | rusty rock |
| 78078 | Stan 1 | 310 | 5.0 | 4313 ppm Zn | rhyolite |
| 94475 | Man No. 1 | | | 18604 Zn, 99999+ Mn | bog Mn |

Note: These samples were all collected prior to June 22, 1988.

Soils

A total of 733 soil samples were taken on or near the Shelford Hills claim groups between June 22, 1988 and June 21, 1989. 178 of these samples produced anomalous values for a variety of elements.

The locations of these 733 samples may be found on Figures 4, 7, 10, 13, and 15. Sample and analytical reports are given in Appendices 4 and 5.

The following table summarizes the lowest and highest values that Noranda has obtained from their soil samples in the Shelford Hills area up to the present time.

| Element | Low Value | Threshold | High Value |
|---------|-----------|-----------|------------|
| Mo | 1 ppm | 10 ppm | 56 ppm * |
| Cu | 4 * | 100 | 132 |
| Pb | 5 * | 30 | 1530 * |
| Zn | 2 | 250 | 1770 * |
| Ag | 0.1 | 1.6 | 7.3 |
| Au | 0.001 | 0.010 | 0.610 |
| As | 2 | 100 | 723 |
| Sb | 2 | 10 | 35 |
| Bi | 2 | 10 | 37 * |
| Ba | 9 | 400 | 612 |
| Mn | 56 | 2000 | 18700 * |
| Fe | .5% | 7.0% | 28.1% * |

* Values that have changed as a result of work performed between June 22, 1988 and June 21, 1989.

Threshold values have been selected on the basis of past experience.

Some of the better soil geochemical anomalies that have been located by Noranda to date are:

| Sample # | Location | Au ppb | Ag ppm | Other |
|----------|----------|--------|--------|------------------|
| 39998 | Stan 3 | 158 | | |
| 30823* | Shel 5 | | | 1800 Zn |
| 30837* | Shel 5 | | | 1500 Zn |
| 30942 | Shel 5 | 100 | | |
| 30975 | Shel 5 | 500 | | |
| 31011 | Shel 5 | 100 | | |
| 38050 | Shel 10 | | 5.2 | |
| 38059 | Shel 9 | 100 | | |
| 38101 | Shel 10 | | 5.7 | |
| 38105 | Shel 10 | | 7.3 | |
| 38119* | Shel 10 | | | 1800 Zn, 1100 Pb |
| 38204 | Stan 3 | | 5.3 | |
| 38212* | Stan 3 | 610 | | |
| 38927* | Shel 9 | | | 1600 Zn |
| 38939 | Shel 9 | | 7.1 | |
| L10000N, | | | | |
| 10025E* | MH Grid | 100 | | 990 Pb |
| 10100E* | MH Grid | | | 1500 Zn, 1500 Pb |
| L10100N, | | | | |
| 9925E* | MH Grid | | 6.8 | 2300 Zn |

* Samples taken between June 22, 1988 and June 21, 1989.

Most of the these anomalies are from the Shel 5, 9, and 10 claims.

Silts

Between June 22, 1988 and June 21, 1989 a total of 51 silt samples have been taken on or in the general area of the Shelford Hills claim groups.

The following table provides the maximum and minimum silt value obtained by Noranda personnel to date.

Of the 51 samples taken, 17 produced anomalous values.

| Element | Low | Threshold | High |
|---------|-------|-----------|---------|
| Mo | 1 ppm | 10 ppm | 28 ppm |
| Cu | 6 | 100 | 109 |
| Pb | 5 | 30 | 261 |
| Zn | 32 | 250 | 13480 |
| Ag | 0.1 | 1.6 | 3.3 |
| Au | 0.001 | 0.010 | 1.820 * |
| As | 2 | 100 | 123 |
| W | 1 * | 10 | 20 * |
| Sb | 2 | 10 | 4 |
| Bi | 2 | 10 | 20 |
| Ba | 62 | 400 | 2920 |
| Mn | 301 | 2000 | 58989 |
| Fe | 1.0% | 7.0% | 19.0% * |

* Values from sampling between June 22, 1988 and June 21, 1989.

Figures 5, 8, 11, 14, and 15 show the locations of silt and pan samples. Appendices 4 and 5 give the analyses of the samples.

The best silt anomalies obtained are listed below:

| Sample # | Location | Au ppb | Zn ppm | Mn ppm | Other |
|----------|-------------|--------|--------|--------|-----------------|
| 19890 | Shel 9 | | 13480 | 55989 | 1423 Ba, 261 Pb |
| 19896 | Shel 9 | | 2705 | 4482 | |
| 30826 | W of Shel 5 | 280 | | | |
| 36121 | Nomann Cr. | 200 | | | |
| 36211 | Shel 6 | | | 53095 | 2920 Ba |
| 38880 | Stan 3 | 240 | | | |
| 38887 | Shel 5 | | 2659 | 8293 | |
| 50967* | S of Shel 6 | 114 | | | |
| 94456 | S of Shel 5 | 380 | | | |

* Sample taken between June 22, 1988 and June 21, 1989.

Note the extreme values for manganese in certain samples which correlates with strong anomalies in other elements (especially for Zn and Ba).

Gold anomalies in silts occur in higher order streams, and may reflect placer concentration of gold from till rather than from bedrock in the drainage area.

GEOCHEMICAL PATTERNS

Although many anomalies have been discovered, none are ore grade. However, some geochemical patterns do appear to exist.

Closer examination of the sample location maps reveal that the majority of the anomalies show a close spacial relationship to the large assumed circular structure. There are also several zones around this structure which host anomalous values of specific elements i.e. gold, silver, molybdenum, arsenic. This overlapping appears to be the strongest along the southeastern edge of the assumed circular structure (Lineament Map, 1:25,000).

Many areas hosting anomalous values of Mn, Pb, and Zn have been identified. However, one should note that most Pb anomalies are very close to the threshold (30 ppm). Thus suggesting that the area has high background levels of Pb, rather than numerous Pb anomalies.

Other observations that have been made from the enclosed maps are listed below:

1. Intrusive rocks commonly have anomalous thorium values (+10 ppm Th).
2. Felsic volcanics around Blue Camp I (Figure 3) tend to be anomalous in boron (10+ ppm B) and thorium (10+ ppm Th).
3. Mn-Zn-Ba are commonly anomalous in silt samples. This may be due to coprecipitation from Mn-rich water. A rock sample of bog manganese (94475) from the Man No. 1 claim shows this feature also, being very high in Zn.
4. Barium is anomalous in samples 51018 to 51033. It cuts off in silts above 51033 (Figures 11 and 15). Pb, Mo, and Mn are anomalous in silts 51041 and 51042 upstream. More sampling and mapping in this area is recommended. An aeromagnetic high and diorite outcrop occur 1500 m east. Barium is a pathfinder for epithermal gold mineralization.

5. Molybdenum in silts is associated with aeromagnetic highs (15 samples +or> 10 ppm Mo).
6. A WNW to NW anomalous trend (Pb-Zn-Ag-Au) passing between L10,000 mN, 10,025 mE and 10,100 mE can be interpreted from the soil geochemical results on the MH grid. Its source may be a mineralized fault. Eight rocks analysed from this grid have low values of those elements, but are weakly anomalous for Pb and Th. Follow-up sampling is recommended, but as low priority due to the abundance of outcrop mapped on the grid in August 1988 (Figure 19).
7. 56 soils were collected from the Shel 10 grid (Figure 20) on the Shel 10 claim. Values up to 322 ppm Pb, 975 ppm Zn, and 4.1 ppm Ag were obtained. The grid lies near the SE edge of the assumed circular structure (see Figure 17) centred on the Shel 3 claim. The grid area is anomalous as are other areas along this assumed structure.
8. Few anomalies were found along the linears that were examined in 1989.

CONCLUSIONS

Subaerial felsic volcanics in the Shelford Hills are intruded by intermediate to mafic intrusives which may be coeval with the surrounding volcanics. Altered and pyritized felsic volcanics are common, especially in the Shel 5, 9, and 10 areas on the perimeter of a satellite image circular feature centered on the Shel 3 claim. Soil and rock geochemical values for Zn, Pb, Ag, and Au are elevated around this feature, especially on the SE perimeter.

RECOMMENDATIONS

In light of the abundance of geochemically anomalous areas that are located in the Shelford Hills area, further work is recommended.

More work is needed to determine whether or not any economic mineralization is associated with any of the remaining, unsampled lineaments. Special attention should be given to the down ice sides of these assumed structures. This work should start in the area of the Shel 5, 9, and 10 claims. Similar work is also recommended for the MH Grid area.

Reconnaissance soil sampling and prospecting should be done in the areas surrounding the various intrusive bodies that have been located. Work should be done around the magnetic highs, as well as the few, isolated, magnetic lows identified in the area (Aeromagnetic map 5299G-NTS 93 E/15). This work should be concentrated on the down ice side of these regions.

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STATEMENT OF QUALIFICATIONS

RELEVANT TRAINING:

B.Sc. (1989) University of Regina
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Geology

RELEVANT EXPERIENCE:

May 1989 ... Field Geologist
Noranda Exploration Company, Limited
Prince George, B. C.

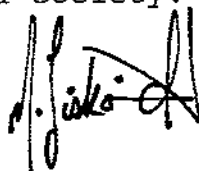
May 1988-Aug. 1988 Senior Geological Assistant
CaMeco/Sask. Mining & Development Corp.
La Rouge, Sask.

May 1987-Aug. 1987 Geological Assistant
Saskatchewan Mining & Development Corp.
La Rouge, Sask.

June 1986-Aug. 1986 Geological Assistant
Saskatchewan Energy & Mines
Precambrian Division
Regina, Sask.

PROFESSIONAL AFFILIATIONS:

Member, Saskatchewan Geological Society.



Mark Liskowich
Field Geologist
July, 1989

Statement of Qualifications

Relevant Training

- B.Sc. (1970) Pennsylvania State University
University Park, Pa., USA
Geological Sciences
- M.Sc. (1973) University of Toronto
Toronto, Ontario, Canada
Geochemistry

Relevant Experience

- 1973 - 1980 Exploration and Mine Geologist
Cominco Ltd.
Vancouver and Yellowknife
- 1980 - 1982 Exploration Geologist
Noranda Exploration Co., Ltd.
Yellowknife, N.W.T.
- 1982 - 1983 Exploration Geologist
Noranda Exploration Co., Ltd.
Smithers, B.C.
- 1983 - Exploration Geologist
Noranda Exploration Co., Ltd.
Prince George, B.C.

Professional Affiliations

- Fellow, Geological Association of Canada
- Member, Association of Professional Engineers,
Geologists, and Geophysicists of the Northwest
Territories
- Member, Canadian Institute of Mining and Metallurgy



Delbert E. Myers, Jr.
SR. Project Geologist

APPENDIX I
LIST OF PERSONNEL
June 22, 1988 to June 21, 1989

| <u>Name, City</u> | <u>Position</u> | <u>Dates worked in field</u> |
|--|-------------------|-----------------------------------|
| Geof Chinn Montreal, Que. | Geologist | 22-24 June, 1988 |
| William Donaldson Ottawa, Ont. | Geologist | 22-24 June, 1988 |
| Tyrone Donnon Vancouver, B.C. | Geologist | 1-11 Oct, 1988 |
| Shane Ebert Edmonton, Alta | Assistant | 9-22 June, 1989 |
| Linda Erdman Vancouver, B.C. | Project Geologist | 1-11 Oct. 1988 |
| Carey Galeschuk Saskatoon, Sask. | Geologist | 4-7 August, 1988 |
| Richard Harders Prince George, B.C. | Assistant | 22-24 June, 1988 1-9 Oct. 1988 |
| Mark Liskowich Regina, Sask. | Geologist | 9-22 June, 1989 |
| Fraser Stewart Edmonton, Alta. | Assistant | 22-24 June, 1988 |
| Erskine Wigmore Calgary, Alta. | Assistant | 4-7 August, 1988 |
| | | Total 1988: 50 mandays |
| | | Total 1989: 28 mandays |
| | | Total: 78 mandays |

APPENDIX II
STATEMENT OF COSTS

| | | | |
|--|--|--|--------------------------------|
| LABOR: | | | |
| 78 mandays @ \$140 | | | \$ 10,920.00 |
| FOOD & ACCOMMODATIONS: | | | |
| 78 mandays @ \$50 | | | \$ 3,900.00 |
| SUPPLIES: | | | |
| 78 mandays @ \$20 | | | \$ 1,560.00 |
| TRANSPORTATION: | | | |
| Helicopter: 7.2 machine hrs @ \$549 = \$3952.80 | | | |
| 4.0 machine hrs @ \$635 = \$2540.00 | | | |
| 11.2 | | | \$ 6,492.80 |
| Truck Rental: 1 month @ \$900 | | | \$ 900.00 |
| ANALYSIS: | | | |
| 784 silt & soil prep @ \$.85 = \$666.40 | | | |
| 69 rock prep @ \$3.00 = \$207.00 | | | |
| 853 30 element ICP @ \$6.25 = \$5331.25 | | | |
| 853 Au by Atomic Absorbtion @ \$4.50 = \$3838.50 | | | \$ 10,043.15 |
| FREIGHT ON SAMPLES: | | | \$ 400.00 |
| REPORT PREPARATION: | | | |
| Author's and typing 5 @ \$150 = \$750.00 | | | |
| Drafting 5 @ \$150 = \$750.00 | | | \$ 1,500.00 |
| TOTAL COST: | | | \$ 35,715.95 |
| | | | (OR FOR 78 MANDAYS = \$458/MD) |
| MANDAYS PRORATED: | | | |
| Work off claims 57.75 md x \$457.89 | | | \$ 26,443.14 |
| On Shelford Group 11.0 md x \$457.89 | | | \$ 5,036.79 |
| MH Group 9.25 md x \$457.89 | | | \$ 4,235.48 |
| 78 md | | | \$ 35,715.41 |

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

Revised:01/86

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver. (March, 1984)

Preparation of Samples

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples) are analysed in its entirety, when it is to be determined for gold without further sample preparation. See addendum.

Analysis of Samples.

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). A Varian-Techtron Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method

Antimony - Sb: 0.2 g sample is attacked with 3.3 mL of 6% tartaric acid, 1.5 mL conc. hydrochloric acid and 0.5 mL of conc. nitric acid, then heated in a water bath for 3 hours at 95° C. Sb is determined directly from the acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.4 g sample is digested with 1.5 mL of 70 % perchloric acid and 0.5 mL of conc. nitric acid. A Varian AA-475 equipped with an As-EDL measures the arsenic concentration of the digest.

Barium - Ba: 0.1 g sample is decomposed with conc. perchloric, nitric and hydrofluoric acid. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 g - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest into the flame of the AA instrument c/w EDL.

Gold - Au: 10.0 g sample (Pan-concentrates see below) is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with Methyl iso-Butyl ketone (MIBK) from the aqueous solution. Gold is determined from the MIBK solution with flame AA.

Magnesium - Mg: 0.05 - 0.10 g sample is digested with 4 ml perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with a nitrous oxide flame determines Mg from the aqueous solution.

Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot, taken from a perchloric-nitric (3:1) decomposition, usually from the multi-element digestion, is diluted with water and a phosphate buffer. This solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

LOWEST VALUES REPORTED IN PPM

| | | | |
|----------|---------|---------|-------------------|
| Ag - 0.2 | Mn - 20 | Zn - 1 | Au - 0.01 (10PPB) |
| Cd - 0.2 | Mo - 1 | Sb - 1 | W - 2 |
| Co - 1 | Ni - 1 | As - 1 | U - 0.1 |
| Cu - 1 | Pb - 1 | Ba - 10 | |
| Fe - 100 | V - 10 | Bi - 1 | |

ADDENDUM

ANALYSIS OF PAN CONCENTRATES FOR GOLD

Geochemical reconnaissance for gold through stream sediments has for the greater part been left to chance. Analytical results for gold on silts have certainly confirmed this notion.

Since 1982 an attempt was made to standardize the procedure in which heavy mineral surveys (pan-concentrates) were conducted. The method used for panning in the field was suggested by R.M. (27-05-82).

In essence about 20 kg (8-9 L) stream sediment is pan-concentrated to a 20-50 g sample (pan-con). The weights of the pan-cons submitted over the last few years, have been reasonably consistent, within the 20-50 g range, except when there was a non-distinct heavy mineral fraction or the material was uniform in specific gravity (Black sand or high concentration of sulfides).

Basically, one concentrates a bulk sample (20 kg) by a factor of about a thousand, primarily for free metallic gold and/or its minerals. This should provide a more "representative" sample than silts would, and enhance gold concentration above detection limits with present analytical methods.

The total amount of concentrate obtained is largely a function of specific gravity, heavy mineral content and the panner. Thus the weight of the pan-con submitted to the lab, whether 20 or 40 g or more, is of little importance concerning the actual gold concentration. It is for this reason that the analysis of the pan-con for gold is normalized to 20 g sample weight, even though all of the sample is digested and gold is determined (calculated) as if it were a 20 g sample.

Conversely, if results were based on sample weight submitted, then this would in all likelihood indicate a bias towards the panner. With a penchant for "anomalies", one could conceivably pan until one approaches 10^6 ppm Au. Previous tests with pans (1-4, 1-12, 1982) have substantiated this point.

Therefore, the lab has expressed the concentration of pan-con based on 20 g sample, so that semi-quantative results are compatible, provided one collects constant bulk samples (~ 20 kg) in situ. Subsampling of pan-con is precluded, owing to the nature of gold in sediments.

To pulverize the sample does not decrease subsampling error appreciably. Clearly, analyzing the entire sample is necessary, as the analyses of silts have verified numerous times. An example given below for a 50.0 g pan-con reported as 2500 ppb:

1. A 50 g sample is apportioned to facilitate the routine method (Aqua Regia digestion - MIBK - Flame AA.

2. The calculation for concentration is relative to 20 g. E.g. if the sampler/panner was to reduce the sample to 20 g, e.g. by further panning, the concentration would still be 2500 ppb (2.5 ppm). Presumably no gold is lost in the process.

3. The actual ppb value for the 50 g sample would be:

$$20 \text{ g}/50 \text{ g} \times 2500 \text{ ppb} = 1000 \text{ ppb or } 1 \text{ ppm}$$

4. Total weight of gold in the pan or the original bulk sample

$$\text{(sediment) is } 20 \text{ g} \times 2.5 \text{ ppm} \times 10^{-6} = 0.05 \text{ mg Au}$$

$$\text{or } 50 \text{ g} \times 1.0 \text{ ppm} \times 10^{-6} = 0.05 \text{ mg Au}$$

5. Relative to the original 20 kg bulk sample it would equate to

$$0.05 \text{ mg Au}/20 \text{ kg} = 2.5 \times 10^{-9} = 2.5 \text{ ppb}$$

When the majority of pan-cons submitted are about 20 g and the bulk sampling remains constant, then gold results based on 20 g appears to be meaningful for interpretation, irrespective of the submitted sample weight.

A noted exception is for black sand or other bulky samples. To analyse in its entirety is impractical.

Caution should be exercised with black sand as natural panning has taken place in situ, therefore it is somewhat doubtful to evaluate black sand in a similar manner as one would with sediments or pan-con.

To date, there is no panacea for gold geochemistry sampling, but a pre-requisite for data evaluation (interpretation) is to normalize the sampling medium.

N.B. It should be borne in mind, that silts or soils undergo some pre-concentration through screening. The selectivity of grain size (-80 mesh) in all probability contains all the gold from the sediment taken. The -80 mesh sample (silt) is roughly 10% of the sediment material collected on site, thus a concentration factor of about 10. In other words there exists a rough relation between pan-con and silts of 100, at least for gold results.

Base metals on pan-con e.g. Cu, Zn, Pb, Ag, Co, Ni and Fe is determined directly from the aqua regia digestion solution. Note that this dissolution is incomplete and is somewhat selective towards sulfide minerals.

APPENDIX 4

ANALYTICAL RESULTS

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 1ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NA PE SR CA P LA CR HG BA TI B W AND LIMITED FOR NA K AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1 ROCK P2 SLURRY AD* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE.

DATE RECEIVED: AUG 11 1988 DATE REPORT MAILED: Aug 17/88 ASSAYER: C. Long, D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8808-051 240 File # 88-3491 Page 1

| SAMPLE# | Ni | Cu | Pb | Zn | Ag | Al | Co | Mn | Fe | K | U | Ru | Ti | Sr | Ca | Si | V | Cr | La | Ce | Hg | Ba | Tl | B | Li | Na | K | P | As* | | |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|------|-----|-----|----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | | |
| 16301 | 3 | 3 | 151 | 55 | .6 | 2 | 1 | 215 | .79 | 15 | 5 | ND | 9 | 3 | 1 | 2 | 2 | 1 | .03 | .010 | 18 | 1 | .01 | 69 | .01 | 3 | .27 | .02 | .19 | 1 | 2 |
| 16302 | 1 | 6 | 33 | 115 | .6 | 7 | 5 | 1293 | 1.31 | 37 | 5 | ND | 3 | 5 | 1 | 3 | 2 | 5 | .13 | .051 | 19 | 3 | .04 | 105 | .01 | 3 | .38 | .02 | .12 | 1 | 1 |
| 16303 | 1 | 3 | 31 | 104 | .3 | 4 | 3 | 701 | .64 | 4 | 6 | ND | 11 | 2 | 1 | 2 | 2 | 1 | .02 | .009 | 10 | 1 | .02 | 50 | .01 | 2 | .31 | .01 | .15 | 1 | 1 |
| 16104 | 1 | 8 | 15 | 133 | .4 | 5 | 6 | 1973 | 2.83 | 10 | 5 | ND | 6 | 64 | 1 | 2 | 2 | 36 | 1.19 | .106 | 39 | 1 | .67 | 53 | .04 | 2 | 1.23 | .03 | .21 | 1 | 1 |
| 16305 | 2 | 2 | 13 | 45 | .3 | 3 | 3 | 1026 | .73 | 6 | 5 | ND | 11 | 3 | 1 | 2 | 2 | 1 | .01 | .011 | 26 | 2 | .02 | 82 | .01 | 3 | .35 | .02 | .22 | 1 | 1 |
| 16307 | 1 | 1 | 11 | 65 | .5 | 1 | 1 | 1979 | .65 | 3 | 5 | ND | 12 | 3 | 1 | 2 | 2 | 1 | .03 | .006 | 10 | 1 | .03 | 133 | .01 | 2 | .30 | .02 | .16 | 1 | 1 |
| 16308 | 8 | 2 | 220 | 66 | .9 | 3 | 1 | 384 | 1.12 | 13 | 6 | ND | 12 | 2 | 1 | 2 | 2 | 1 | .01 | .012 | 18 | 3 | .01 | 43 | .01 | 2 | .28 | .02 | .21 | 1 | 1 |
| 16309 | 1 | 7 | 11 | 53 | .4 | 6 | 5 | 664 | 1.56 | 19 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 2 | .10 | .042 | 12 | 2 | .03 | 234 | .01 | 2 | .30 | .02 | .21 | 1 | 1 |
| STD C/XD-2 | 18 | 58 | 38 | 127 | 6.6 | 67 | 27 | 1033 | 3.09 | 38 | 22 | 7 | 36 | 47 | 17 | 17 | 20 | 54 | .47 | .085 | 37 | 54 | .87 | 171 | .06 | 36 | 3.87 | .05 | .14 | 11 | 130 |

002

NORANDA VANCOUVER

03:40

03:40

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: GENERAL (MH Grid)

CODE : 8808-051

Project No. :

: 240 - paid by

Sheet: 1 of 2

Date rec'd: AUG10

Material :

: 86 SOILS

Geol.: C.G.

Date compl: AUG31

Remarks :

Values in PPM, except where noted.

| T. No. | SAMPLE No. | PPB | | | |
|-----------|---------------|------|-----|-----|----|
| | | Zn | Pb | Ag | Au |
| 2 | 10000E-10025N | 110 | 16 | 0.4 | 10 |
| 3 | 10050 | 100 | 14 | 0.4 | 10 |
| 4 | 10075 | 92 | 14 | 0.2 | 10 |
| 5 | 10125 | 440 | 18 | 0.4 | 10 |
| 6 | 10175 | 140 | 14 | 0.2 | 10 |
| 7 | 10200 | 110 | 16 | 0.2 | 10 |
| 8 | 10225 | 96 | 14 | 0.2 | 10 |
| 9 | 10250 | 84 | 16 | 0.2 | 10 |
| 10 | 10275 | 140 | 14 | 0.4 | 10 |
| 11 | 10000E-10300N | 98 | 14 | 0.2 | 10 |
| 12 | 10100N-9750E | 280 | 58 | 1.4 | 10 |
| 13 | 9775 | 68 | 14 | 0.6 | 10 |
| 14 | 9800 | 92 | 18 | 0.4 | 10 |
| 15 | 9825 | 120 | 14 | 0.4 | 10 |
| 16 | 9850 | 150 | 22 | 1.2 | 10 |
| 17 | 9875 | 370 | 110 | 1.6 | 10 |
| 18 | 9900 | 1100 | 220 | 0.8 | 10 |
| 19 | 9925 | 2300 | 170 | 6.8 | 10 |
| 20 | 9950 | 100 | 14 | 0.2 | 10 |
| 21 | 9975 | 110 | 16 | 0.2 | 10 |
| 22 | 10000 | 66 | 12 | 0.2 | 10 |
| 23 | 10025 | 120 | 14 | 0.6 | 10 |
| 24 | 10050 | 68 | 14 | 0.2 | 10 |
| 25 | 10075 | 90 | 18 | 0.2 | 10 |
| 26 | 10100 | 110 | 26 | 0.6 | 10 |
| 27 | 10125 | 120 | 20 | 0.2 | 10 |
| 28 | 10150 | 230 | 24 | 0.6 | 10 |
| 29 | 10175 | 62 | 20 | 0.2 | 10 |
| 30 | 10200 | 120 | 26 | 0.2 | 10 |
| 31 | 10225 | 78 | 20 | 0.4 | 10 |
| 32 | 10100N-10250E | 76 | 20 | 0.6 | 10 |
| 33 | 10150N-9750E | 180 | 26 | 0.4 | 10 |
| 34 | 9775 | 180 | 22 | 0.6 | 10 |
| 35 | 9800 | 120 | 20 | 0.4 | 10 |
| 36 | 9825 | 570 | 170 | 0.6 | 10 |
| 37 | 9850 | 190 | 20 | 0.4 | 10 |
| 38 | 9875 | 190 | 22 | 0.4 | 10 |
| 39 | 9900 | 46 | 10 | 0.2 | 10 |
| 40 | 9925 | 48 | 10 | 0.2 | 10 |
| 41 | 9950 | 220 | 26 | 0.4 | 10 |
| 42 | 9975 | 80 | 14 | 0.4 | 10 |
| 43 | 10000 | 190 | 16 | 0.6 | 10 |
| 44 | 10025 | 340 | 52 | 0.8 | 10 |
| 4 | 10050 | 130 | 30 | 0.6 | 10 |
| 46 | 10075 | 110 | 22 | 0.2 | 10 |
| 47 | 10100 | 120 | 22 | 0.4 | 10 |
| 48 | 10125 | 140 | 24 | 0.2 | 10 |
| 49 | 10150N-10150E | 140 | 20 | 0.2 | 10 |

SAMPLE
No.

Zn

Pb

Ag

PPB
Au

8808-051
Pg. 2 of 2

| SAMPLE No. | Zn | Pb | Ag | PPB Au |
|------------------|-----|-----|-----|--------|
| 10150N-10175E | 100 | 16 | 0.2 | 10 |
| 10200 | 34 | 18 | 0.6 | 10 |
| 52 10225 | 72 | 16 | 0.6 | 10 |
| 53 10150N-10250E | 96 | 16 | 0.4 | 10 |
| 54 10200N-9750E | 120 | 22 | 0.4 | 10 |
| 55 9775 | 220 | 24 | 1.0 | 10 |
| 56 9825 | 50 | 10 | 0.2 | 10 |
| 57 9850 | 160 | 32 | 0.6 | 10 |
| 58 9875 | 86 | 14 | 0.4 | 10 |
| 59 9900 | 240 | 24 | 0.6 | 10 |
| 60 9925 | 86 | 12 | 0.2 | 10 |
| 61 9950 | 250 | 24 | 0.2 | 10 |
| 62 9975 | 240 | 16 | 0.4 | 10 |
| 63 10025 | 30 | 8 | 0.2 | 10 |
| 64 10050 | 850 | 30 | 0.6 | 10 |
| 65 10075 | 160 | 110 | 0.2 | 10 |
| 66 10100 | 390 | 40 | 0.4 | 10 |
| 67 10150 | 100 | 14 | 0.4 | 10 |
| 68 10175 | 100 | 14 | 0.2 | 10 |
| 69 10200N-10200E | 96 | 20 | 0.2 | 10 |
| 70 10300N-9750E | 100 | 14 | 0.4 | 10 |
| 71 9775 | 110 | 12 | 0.2 | 10 |
| 72 9800 | 120 | 18 | 0.2 | 10 |
| 73 9825 | 96 | 12 | 0.2 | 10 |
| 74 9850 | 130 | 16 | 0.6 | 10 |
| 75 9875 | 170 | 20 | 0.2 | 10 |
| 75 9900 | 100 | 18 | 0.2 | 10 |
| 9925 | 44 | 10 | 0.2 | 10 |
| 78 9950 | 120 | 16 | 0.2 | 10 |
| 79 9975 | 100 | 14 | 0.2 | 10 |
| 80 10075 | 68 | 14 | 0.2 | 10 |
| 81 10100 | 38 | 10 | 0.2 | 10 |
| 82 10125 | 82 | 18 | 0.4 | 10 |
| 83 10150 | 80 | 14 | 0.4 | 10 |
| 84 10175 | 66 | 14 | 0.2 | 10 |
| 85 10200 | 60 | 14 | 0.2 | 10 |
| 86 10225 | 88 | 18 | 0.2 | 10 |
| 87 10300N-10250E | 210 | 44 | 0.4 | 10 |

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: SHELFORD-WHITESAIL

CODE : 8806-069

Project No.
Material
Remarks

: 255
: 292 SOILS &
: 51 SILTS

Sheet: 1 of 7
Geol.: C.G.

Date rec'd: JUN23
Date compl:

Values in PPM, except where noted.

| | SAMPLE No. | | PPB Au | |
|---|--------------|---------------|--------|---------|
| 1 | 9700N-9750E | SOIL shel 1,6 | 10 | MA Grid |
| 2 | 9800 | | 10 | |
| 3 | 9825 | | 10 | |
| 4 | 9875 | | 10 | |
| 5 | 9950 | | 10 | |
| 6 | 9975 | | 10 | |
| 7 | 10025 | | 10 | |
| 8 | 10050 | | 10 | |
| 9 | 10075 | | 10 | |
| 0 | 10150 | | 10 | |
| 1 | 10200 | | 10 | |
| 2 | 10225 | | 10 | |
| 3 | 9700N-10250E | | 10 | |
| 4 | 9800N-9750E | | 10 | |
| 5 | 9775 | | 10 | |
| 6 | 9800 | | 10 | |
| 7 | 9825 | | 10 | |
| 8 | 9850 | | 10 | |
| 9 | 9875 | | 10 | |
| 0 | 9900 | | 10 | |
| 1 | 9925 | | 10 | |
| 2 | 9975 | | 10 | |
| 3 | 10025 | | 10 | |
| 4 | 10050 | | 10 | |
| 5 | 10100 | | 10 | |
| 6 | 10125 | | 10 | |
| 7 | 10150 | | 10 | |
| 8 | 10175 | | 10 | |
| 9 | 10200 | | 10 | |
| 0 | 10225 | | 10 | |
| 1 | 9800N-10250E | | 10 | |
| 2 | 9900N-9750E | | 10 | |
| 3 | 9775 | | 10 | |
| 4 | 9800 | | 10 | |
| 5 | 9825 | | 10 | |
| 6 | 9850 | | 10 | |
| 7 | 9875 | | 10 | |
| 8 | 9900 | | 10 | |
| 9 | 9925 | | 10 | |
| 0 | 9950 | | 10 | |
| 1 | 9975 | | 10 | |
| 2 | 10025 | | 10 | |
| 3 | 10100 | | 10 | |
| 4 | 10050 | | 10 | |
| 5 | 10075 | | 20 | |
| 6 | 10125 | | 10 | |
| 7 | 10150 | | 10 | |
| 8 | 10175 SOIL | | 10 | |

RECEIVED
JUL 19 1988
RESERVED

Copy to
Del ✓

Soils

n = 48

| T. | SAMPLE No. | PPB Au | |
|----|---------------|--------|-------------------|
| 9 | 10200 SDIL | 10 | Shel 1, 6 MH Grid |
| 10 | 10225 | 10 | |
| 11 | 9900N-10250E | 10 | |
| 12 | 10000N-9750E | 10 | |
| 13 | 9775 | 10 | |
| 14 | 9800 | 10 | |
| 15 | 9825 | 10 | |
| 16 | 9850 | 10 | |
| 17 | 9875 | 10 | |
| 18 | 9900 | 10 | |
| 19 | 9925 | 10 | |
| 20 | 9950 | 10 | |
| 21 | 9975 | 10 | |
| 22 | 10025 | 100 | |
| 23 | 10100 | 40 | |
| 24 | 10125 | 10 | |
| 25 | 10150 | 10 | |
| 26 | 10175 | 10 | |
| 27 | 10200 | 10 | |
| 28 | 10225 | 10 | |
| 29 | 10000N-10250E | 10 | |
| 30 | 10000E-9600N | 10 | |
| 31 | 9650 | 10 | |
| 32 | 9675 | 10 | |
| 33 | 9700 | 10 | |
| 34 | 9725 | 10 | |
| 35 | 9750 | 10 | |
| 36 | 9775 | 10 | |
| 37 | 9800 | 10 | |
| 38 | 9825 | 10 | |
| 39 | 9850 | 10 | |
| 40 | 9875 | 10 | |
| 41 | 9925 | 10 | |
| 42 | 9950 | 10 | |
| 43 | 9975 | 10 | |
| 44 | 10000E-10000N | 10 | |
| 45 | 19891 | 10 | |
| 46 | 19892 | 10 | |
| 47 | 19893 | 10 | |
| 48 | 19894 | 10 | |
| 49 | 19895 | 10 | |
| 50 | 19902 | 10 | |
| 51 | 31601 | 10 | |
| 52 | 31602 | 10 | |
| 53 | 31603 | 10 | |
| 54 | 31604 | 10 | |
| 55 | 31605 | 10 | |
| 56 | 31606 | 10 | |
| 57 | 31607 | 10 | |
| 58 | 31608 | 10 | |
| 59 | 31609 | 10 | |
| 60 | 31610 | 10 | |
| 61 | 31611 | 10 | |
| 62 | 31612 | 10 | |
| 63 | 31613 | 10 | |
| 64 | 31614 | 10 | |
| 65 | 31615 SOIL | 10 | |

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCl-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS GRAB IS PARTIAL FOR NH PP SR CA P LA CR NG BA YI B W AND LIMITED FOR NA K AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: F1-P11 SOIL PULP

DATE RECEIVED: JULY 12 1988

DATE REPORT MAILED: July 16/88

ASSAYER: C. Leong D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

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Table with columns for elements (Cd, Cu, Pb, In, Ag, Hg, Co, Mn, Fe, As, V, Au, Th, Sr, Cd, Sb, Bi, Y, Ca, F, La, Cr, Mg, Ba, Tl, B, Al, W, K, Rb) and rows for various sample IDs (e.g., 9700N 9750X, 9700N 9800X, etc.). Includes handwritten notes like 'Shell 1,6' and 'Soils n=36'.

Soils n=36

| SAMPLE | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Pb | As | V | Al | Th | Sr | Ca | Sb | Bi | V | Ca | P | La | Cr | Hg | Ba | Tl | H | Al | Na | K | V |
|---------------|------|-----|-------|-------|-------|-----|-----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | % | PPM |
| 9900X 9875X | 2 | 13 | 20 | 192 | .2 | 9 | 4 | 307 | 2.80 | 7 | 5 | WD | 2 | 15 | 1 | 4 | 3 | 43 | .16 | .043 | 14 | 16 | .42 | 169 | .02 | 5 | 1.93 | .01 | .05 | 1 |
| 9900X 9900X | 1 | 10 | 11 | 73 | .2 | 5 | 1 | 239 | 1.25 | 2 | 5 | WD | 2 | 16 | 1 | 2 | 5 | 22 | .17 | .028 | 17 | 11 | .21 | 128 | .02 | 5 | .96 | .01 | .02 | 1 |
| 9900X 9925X | 1 | 7 | 26 | 70 | .1 | 7 | 2 | 133 | 2.63 | 5 | 5 | WD | 3 | 7 | 1 | 2 | 4 | 43 | .07 | .087 | 11 | 15 | .17 | 64 | .04 | 2 | 1.42 | .01 | .04 | 1 |
| 9900X 9950X | 1 | 15 | 21 | 83 | .1 | 9 | 3 | 230 | 2.32 | 4 | 5 | WD | 3 | 12 | 1 | 2 | 2 | 36 | .14 | .031 | 13 | 17 | .29 | 138 | .03 | 4 | 1.75 | .01 | .04 | 1 |
| 9900X 9975X | 1 | 14 | 30 | 205 | .5 | 10 | 4 | 517 | 2.91 | 4 | 3 | WD | 4 | 8 | 2 | 2 | 2 | 41 | .10 | .113 | 18 | 16 | .36 | 121 | .02 | 6 | 2.64 | .01 | .06 | 1 |
| 9900X 10025X | 4 | 11 | (56) | 184 | .5 | 4 | 2 | 946 | 1.84 | 2 | 5 | WD | 6 | 6 | 1 | 4 | 2 | 34 | .05 | .100 | 10 | 12 | .13 | 82 | .02 | 9 | 1.61 | .01 | .05 | 1 |
| 9900X 10050X | 1 | 7 | 34 | 155 | .2 | 5 | 3 | 233 | 2.21 | 2 | 7 | WD | 4 | 7 | 1 | 2 | 2 | 30 | .06 | .097 | 13 | 12 | .13 | 75 | .02 | 3 | 1.93 | .01 | .04 | 1 |
| 9900X 10075X | 2 | 12 | 32 | 129 | .2 | 6 | 4 | 610 | 2.58 | 7 | 5 | WD | 3 | 11 | 1 | 4 | 2 | 44 | .11 | .071 | 15 | 16 | .15 | 217 | .02 | 5 | 1.18 | .01 | .04 | 1 |
| 9900X 10100X | 1 | 7 | 28 | 169 | .3 | 5 | 2 | 261 | 1.83 | 2 | 5 | WD | 2 | 7 | 1 | 2 | 3 | 32 | .08 | .031 | 15 | 12 | .15 | 106 | .01 | 8 | 1.04 | .01 | .03 | 1 |
| 9900X 10125X | 1 | 12 | (43) | 367 | .4 | 4 | 5 | 295 | 3.30 | 11 | 5 | WD | 7 | 10 | 1 | 2 | 3 | 40 | .09 | .065 | 21 | 15 | .20 | 139 | .01 | 7 | 2.95 | .01 | .04 | 1 |
| 9900X 10150X | 2 | 10 | 26 | 149 | .5 | 6 | 4 | 322 | 2.39 | 4 | 7 | WD | 2 | 12 | 1 | 4 | 2 | 38 | .13 | .043 | 16 | 15 | .17 | 143 | .02 | 4 | 1.23 | .01 | .05 | 2 |
| 9900X 10175X | 1 | 6 | 32 | 207 | .1 | 2 | 3 | 1266 | .92 | 2 | 5 | WD | 1 | 24 | 1 | 2 | 2 | 18 | .24 | .027 | 26 | 7 | .13 | 231 | .01 | 6 | 1.03 | .01 | .04 | 1 |
| 9900X 10200X | 1 | 7 | 18 | (272) | .2 | 5 | 3 | 595 | 1.90 | 2 | 5 | WD | 2 | 23 | 1 | 2 | 5 | 35 | .29 | .032 | 19 | 17 | .29 | 207 | .02 | 2 | 1.24 | .01 | .03 | 1 |
| 9900X 10225X | 2 | 16 | (52) | (204) | .5 | 11 | 7 | 1069 | 3.05 | 9 | 5 | WD | 1 | 37 | 1 | 2 | 2 | 51 | .34 | .067 | 20 | 23 | .61 | 266 | .02 | 3 | 2.75 | .01 | .08 | 2 |
| 9900X 10250X | 1 | 9 | 19 | 76 | .2 | 4 | 2 | 232 | 1.53 | 2 | 5 | WD | 2 | 8 | 1 | 3 | 5 | 24 | .08 | .025 | 14 | 9 | .09 | 93 | .02 | 6 | .74 | .01 | .03 | 1 |
| 10000X 9750X | 1 | 15 | 23 | 82 | .5 | 9 | 5 | 264 | 2.90 | 6 | 5 | WD | 3 | 9 | 1 | 2 | 7 | 47 | .10 | .036 | 12 | 15 | .21 | 62 | .04 | 12 | 1.27 | .01 | .04 | 3 |
| 10000X 9775X | 1 | 6 | 19 | 68 | .1 | 6 | 3 | 135 | 2.08 | 6 | 5 | WD | 1 | 8 | 1 | 2 | 2 | 36 | .07 | .038 | 12 | 13 | .16 | 83 | .02 | 10 | 1.16 | .01 | .03 | 1 |
| 10000X 9800X | 3 | 43 | (66) | (263) | 1.1 | 26 | 9 | 473 | 4.58 | 11 | 5 | WD | 1 | 21 | 1 | 2 | 2 | 55 | .16 | .095 | 17 | 25 | .57 | 251 | .02 | 3 | 4.05 | .01 | .07 | 1 |
| 10000X 9825X | 5 | 14 | 27 | 247 | .4 | 9 | 6 | 769 | 3.20 | 7 | 5 | WD | 1 | 31 | 1 | 2 | 2 | 50 | .23 | .050 | 14 | 18 | .45 | 193 | .02 | 2 | 2.33 | .01 | .07 | 1 |
| 10000X 9850X | 4 | 8 | 35 | (432) | .4 | 9 | 7 | 2383 | 2.14 | 2 | 5 | WD | 1 | 33 | 1 | 2 | 2 | 36 | .31 | .057 | 18 | 19 | .43 | 211 | .02 | 5 | 1.82 | .01 | .05 | 1 |
| 10000X 9875X | 2 | 10 | 19 | 137 | .4 | 7 | 3 | 193 | 3.52 | 9 | 5 | WD | 5 | 7 | 1 | 2 | 2 | 45 | .08 | .047 | 11 | 17 | .21 | 62 | .04 | 4 | 2.21 | .01 | .03 | 1 |
| 10000X 9900X | 1 | 6 | 24 | 81 | .2 | 7 | 4 | 264 | 2.73 | 5 | 5 | WD | 2 | 9 | 1 | 5 | 3 | 47 | .11 | .072 | 11 | 18 | .22 | 62 | .03 | 6 | 1.26 | .01 | .04 | 1 |
| 10000X 9925X | 2 | 7 | 15 | 74 | .3 | 7 | 3 | 169 | 2.21 | 2 | 5 | WD | 1 | 7 | 1 | 2 | 2 | 43 | .07 | .034 | 13 | 15 | .16 | 53 | .03 | 4 | 1.11 | .01 | .03 | 1 |
| 10000X 9950X | 2 | 4 | 29 | (430) | .3 | 12 | 5 | 407 | 2.23 | 3 | 5 | WD | 1 | 20 | 1 | 2 | 2 | 39 | .25 | .039 | 15 | 21 | .48 | 170 | .02 | 3 | 1.95 | .01 | .04 | 1 |
| 10000X 9975X | 2 | 10 | 18 | (374) | .3 | 9 | 4 | 346 | 1.81 | 2 | 5 | WD | 1 | 23 | 1 | 2 | 2 | 30 | .28 | .045 | 13 | 16 | .45 | 216 | .01 | 3 | 2.06 | .01 | .05 | 2 |
| 10000X 10025X | (56) | 34 | (99) | (440) | (2.4) | 1 | 4 | 7382 | 5.08 | 22 | 5 | WD | 9 | 5 | 1 | 12 | 37 | 17 | .06 | .134 | 27 | 5 | .04 | 172 | .01 | 5 | 1.48 | .01 | .07 | 2 |
| 10000X 10100X | (25) | 65 | (152) | (158) | (3.0) | 4 | 4 | 14486 | 3.50 | 23 | 5 | WD | 1 | 23 | 16 | 11 | 14 | 26 | .23 | .080 | 38 | 11 | .17 | 352 | .01 | 3 | 1.88 | .01 | .07 | 3 |
| 10000X 10150X | 1 | 1 | 15 | 40 | .1 | 2 | 1 | 67 | .47 | 2 | 5 | WD | 1 | 8 | 1 | 2 | 3 | 11 | .08 | .012 | 11 | 4 | .05 | 45 | .02 | 3 | .47 | .01 | .01 | 1 |
| 10000X 10175X | 3 | 4 | 16 | 78 | .3 | 4 | 2 | 122 | 1.62 | 3 | 5 | WD | 1 | 11 | 1 | 2 | 2 | 33 | .13 | .016 | 10 | 8 | .13 | 73 | .03 | 4 | .93 | .01 | .04 | 1 |
| 10000X 10200X | 2 | 9 | 29 | 125 | .1 | 11 | 6 | 230 | 2.57 | 11 | 5 | WD | 4 | 10 | 1 | 2 | 2 | 37 | .13 | .048 | 12 | 16 | .28 | 126 | .04 | 12 | 2.18 | .01 | .05 | 1 |
| 10000X 10225X | 3 | 5 | 16 | 121 | .1 | 5 | 5 | 332 | 2.21 | 8 | 5 | WD | 1 | 10 | 1 | 2 | 2 | 35 | .13 | .041 | 8 | 14 | .26 | 100 | .02 | 6 | 1.59 | .01 | .04 | 1 |
| 10000X 10250X | 1 | 7 | 23 | 96 | .3 | 8 | 4 | 312 | 2.24 | 7 | 5 | WD | 2 | 9 | 1 | 2 | 2 | 33 | .11 | .052 | 10 | 14 | .26 | 130 | .03 | 2 | 1.72 | .01 | .03 | 1 |
| 10000X 9600X | 1 | 6 | 20 | 65 | .1 | 6 | 4 | 662 | 2.31 | 4 | 5 | WD | 1 | 10 | 1 | 2 | 3 | 34 | .08 | .048 | 10 | 14 | .15 | 100 | .03 | 4 | 1.59 | .01 | .02 | 2 |
| 10000X 9650X | 2 | 1 | 20 | 127 | .1 | 5 | 5 | 790 | 2.12 | 4 | 5 | WD | 1 | 32 | 1 | 2 | 2 | 35 | .19 | .032 | 13 | 14 | .22 | 230 | .03 | 7 | 1.20 | .01 | .04 | 1 |
| 10000X 9675X | 2 | 4 | 24 | 124 | .5 | 7 | 5 | 385 | 1.89 | 4 | 6 | WD | 1 | 36 | 1 | 2 | 2 | 30 | .20 | .025 | 13 | 15 | .27 | 144 | .03 | 4 | 1.44 | .01 | .03 | 1 |
| STD C | 17 | 57 | 42 | 132 | 6.6 | 68 | 30 | 1055 | 4.17 | 39 | 18 | 7 | 36 | 47 | 17 | 16 | 22 | 57 | .47 | .088 | 39 | 57 | .92 | 175 | .06 | 32 | 1.98 | .06 | .14 | 14 |

Shel 1,6

Soils n=35

Shel 1,6; MH Grid

| SAMPLE# | No PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | V PPM | Ar PPM | Th PPM | Sc PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Kg % | Ba PPM | Yt % | B PPM | Al % | Wt % | K % | P PPM |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|
| 10000K 9700K | 6 | 10 | 29 | 157 | .3 | 10 | 7 | 303 | 2.70 | 4 | 5 | WD | 2 | 30 | 1 | 3 | 2 | 44 | .18 | .023 | 16 | 16 | .27 | 145 | .06 | 4 | 1.30 | .01 | .05 | 1 |
| 10000K 9725K | 1 | 4 | 4 | 31 | .1 | 3 | 2 | 76 | .90 | 2 | 5 | WD | 1 | 13 | 1 | 2 | 2 | 20 | .06 | .014 | 10 | 7 | .05 | 53 | .02 | 10 | .47 | .01 | .03 | 1 |
| 10000K 9750K | 2 | 7 | 17 | 50 | .1 | 6 | 4 | 143 | 2.26 | 5 | 5 | WD | 2 | 7 | 1 | 2 | 6 | 42 | .06 | .021 | 11 | 13 | .13 | 79 | .03 | 8 | .92 | .01 | .03 | 2 |
| 10000K 9775K | 1 | 12 | 19 | 104 | .3 | 7 | 6 | 435 | 3.09 | 8 | 5 | WD | 3 | 6 | 1 | 4 | 3 | 43 | .07 | .247 | 10 | 10 | .21 | 51 | .03 | 4 | 2.18 | .01 | .04 | 1 |
| 10000K 9800K | 2 | 10 | 20 | 174 | .2 | 8 | 5 | 204 | 2.18 | 2 | 5 | WD | 3 | 17 | 1 | 2 | 4 | 37 | .15 | .032 | 15 | 15 | .30 | 135 | .02 | 6 | 1.60 | .01 | .04 | 2 |
| 10000K 9825K | 2 | 16 | 16 | 99 | .1 | 8 | 5 | 316 | 1.63 | 2 | 5 | WD | 1 | 18 | 1 | 2 | 4 | 29 | .20 | .019 | 12 | 13 | .30 | 127 | .05 | 7 | 1.11 | .01 | .04 | 1 |
| 10000K 9850K | 5 | 12 | (293) | (389) | .6 | 5 | 6 | 4082 | 2.17 | 3 | 5 | WD | 1 | 32 | 1 | 2 | 2 | 30 | .28 | .075 | 25 | 11 | .22 | 543 | .04 | 7 | 1.75 | .01 | .05 | 1 |
| 10000K 9875K | 1 | 9 | 22 | 118 | .1 | 10 | 6 | 274 | 2.36 | 4 | 5 | WD | 1 | 8 | 1 | 2 | 2 | 35 | .08 | .051 | 16 | 14 | .24 | 125 | .03 | 3 | 2.17 | .01 | .04 | 1 |
| 10000K 9925K | 4 | 17 | (106) | (302) | .8 | 8 | 5 | 2506 | 3.17 | 3 | 5 | WD | 17 | 6 | 1 | 2 | 2 | 28 | .07 | .233 | 10 | 14 | .22 | 125 | .02 | 4 | 4.71 | .01 | .06 | 1 |
| 10000K 9950K | 1 | 8 | 14 | 117 | .3 | 5 | 5 | 349 | 2.36 | 5 | 5 | WD | 2 | 7 | 1 | 2 | 6 | 36 | .08 | .057 | 11 | 13 | .16 | 68 | .04 | 5 | 2.09 | .01 | .04 | 1 |
| 10000K 9975K | 1 | 3 | 15 | 82 | .2 | 4 | 4 | 218 | 2.12 | 4 | 5 | WD | 3 | 11 | 1 | 3 | 2 | 33 | .13 | .051 | 10 | 12 | .13 | 63 | .02 | 6 | 1.44 | .01 | .04 | 1 |
| 10000K 10000K | 1 | 16 | (303) | (374) | 1.3 | 4 | 3 | 1518 | 2.12 | 7 | 5 | WD | 2 | 5 | 1 | 2 | 2 | 18 | .03 | .105 | 31 | 7 | .09 | 71 | .01 | 5 | 2.17 | .01 | .03 | 1 |
| 19891 | 1 | 5 | 29 | (421) | .1 | 5 | 5 | 270 | 1.95 | 6 | 5 | WD | 1 | 12 | 1 | 2 | 2 | 33 | .18 | .017 | 10 | 14 | .31 | 33 | .03 | 9 | 1.11 | .01 | .03 | 1 |
| 19892 | 1 | 7 | 13 | (272) | .1 | 6 | 4 | 207 | 2.92 | 6 | 5 | WD | 1 | 12 | 1 | 2 | 6 | 34 | .19 | .016 | 10 | 12 | .31 | 37 | .03 | 9 | 1.11 | .01 | .03 | 1 |
| 19893 | 1 | 9 | 49 | (564) | .2 | 6 | 5 | 307 | 2.65 | 14 | 5 | WD | 1 | 17 | 1 | 2 | 3 | 45 | .29 | .023 | 10 | 20 | .42 | 45 | .04 | 10 | 1.42 | .01 | .04 | 1 |
| 19894 | 2 | 16 | 74 | (493) | .4 | 6 | 6 | 940 | 2.62 | 24 | 5 | WD | 1 | 28 | 1 | 2 | 2 | 40 | .50 | .032 | 16 | 15 | .25 | 68 | .01 | 2 | 1.60 | .01 | .04 | 1 |
| 19895 | 1 | 7 | 18 | (437) | .3 | 6 | 5 | 204 | 2.20 | 13 | 5 | WD | 1 | 13 | 1 | 3 | 2 | 37 | .17 | .026 | 10 | 15 | .34 | 51 | .02 | 9 | 1.35 | .01 | .05 | 2 |
| 19902 | 9 | 29 | 15 | 117 | .3 | 1 | 14 | 53 | 24.07 | 24 | 5 | WD | 2 | 3 | 1 | 2 | 2 | 21 | .02 | .153 | 9 | 6 | .05 | 9 | .01 | 8 | 2.49 | .01 | .03 | 1 |
| 31601 | 1 | 15 | (206) | 7 | .1 | 4 | 4 | 543 | 3.16 | 3 | 5 | WD | 1 | 9 | 1 | 4 | 6 | 46 | .31 | .084 | 13 | 51 | .36 | 126 | .01 | 5 | 2.36 | .01 | .07 | 1 |
| 31602 | 2 | 9 | 16 | 17 | .1 | 4 | 4 | 297 | 2.05 | 3 | 5 | WD | 1 | 15 | 1 | 2 | 2 | 40 | .16 | .039 | 12 | 17 | .12 | 117 | .01 | 4 | .69 | .01 | .04 | 1 |
| 31603 | 2 | 5 | 24 | 177 | .1 | 4 | 4 | 297 | 2.05 | 3 | 5 | WD | 2 | 11 | 1 | 2 | 2 | 40 | .16 | .039 | 12 | 17 | .12 | 117 | .01 | 4 | .69 | .01 | .03 | 1 |
| 31604 | 1 | 9 | 11 | (302) | .1 | 10 | 6 | 240 | 2.91 | 8 | 5 | WD | 1 | 9 | 1 | 4 | 2 | 35 | .10 | .062 | 13 | 15 | .20 | 91 | .01 | 7 | 2.56 | .01 | .04 | 1 |
| 31605 | 1 | 8 | 18 | 81 | .3 | 5 | 4 | 137 | 1.35 | 4 | 5 | WD | 1 | 11 | 1 | 2 | 4 | 22 | .12 | .030 | 11 | 9 | .12 | 89 | .02 | 3 | .86 | .01 | .02 | 1 |
| 31606 | 2 | 13 | 46 | 17 | .1 | 19 | 7 | 1290 | 3.03 | 9 | 5 | WD | 1 | 11 | 1 | 4 | 2 | 40 | .50 | .069 | 21 | 20 | .55 | 306 | .01 | 3 | 2.44 | .01 | .09 | 2 |
| 31607 | 1 | 10 | 18 | 17 | .3 | 7 | 5 | 813 | 1.83 | 3 | 5 | WD | 1 | 11 | 1 | 3 | 2 | 27 | .46 | .040 | 22 | 13 | .30 | 315 | .01 | 5 | 1.55 | .01 | .04 | 1 |
| 31608 | 1 | 6 | 14 | 17 | .1 | 4 | 4 | 297 | 2.05 | 3 | 5 | WD | 1 | 15 | 1 | 2 | 2 | 40 | .16 | .039 | 12 | 17 | .12 | 117 | .01 | 4 | .69 | .01 | .04 | 1 |
| 31609 | 2 | 1 | 28 | 17 | .1 | 4 | 4 | 297 | 2.05 | 3 | 5 | WD | 1 | 15 | 1 | 2 | 2 | 40 | .16 | .039 | 12 | 17 | .12 | 117 | .01 | 4 | .69 | .01 | .03 | 1 |
| 31610 | 1 | 12 | 33 | (411) | 1.0 | 4 | 4 | 297 | 2.05 | 3 | 5 | WD | 1 | 15 | 1 | 2 | 2 | 40 | .16 | .039 | 12 | 17 | .12 | 117 | .01 | 4 | .69 | .01 | .06 | 1 |
| 31611 | 2 | 21 | 42 | (436) | .6 | 12 | 7 | 1614 | 2.39 | 4 | 5 | WD | 1 | 24 | 2 | 2 | 6 | 37 | .37 | .064 | 19 | 17 | .39 | 175 | .01 | 10 | 2.37 | .01 | .07 | 1 |
| 31612 | 2 | 26 | 41 | 525 | 1.3 | 12 | 7 | 1614 | 2.39 | 4 | 5 | WD | 1 | 28 | 2 | 2 | 2 | 40 | .19 | .066 | 23 | 18 | .34 | 211 | .01 | 4 | 2.36 | .01 | .06 | 2 |
| 31613 | 1 | 6 | 13 | 130 | .1 | 6 | 4 | 223 | 2.30 | 2 | 5 | WD | 1 | 14 | 1 | 3 | 2 | 45 | .14 | .040 | 12 | 13 | .27 | 79 | .03 | 10 | 1.16 | .01 | .04 | 1 |
| 31614 | 2 | 19 | 37 | (458) | .9 | 12 | 6 | 507 | 2.89 | 6 | 5 | WD | 1 | 17 | 1 | 5 | 2 | 39 | .33 | .038 | 14 | 17 | .43 | 137 | .02 | 4 | 2.45 | .01 | .07 | 1 |
| 31615 | 1 | 3 | 8 | 47 | .1 | 2 | 2 | 139 | 1.06 | 2 | 5 | WD | 1 | 11 | 1 | 2 | 5 | 22 | .10 | .021 | 10 | 8 | .05 | 53 | .02 | 7 | .46 | .01 | .02 | 1 |
| 31616 | 1 | 3 | 10 | 38 | .1 | 2 | 1 | 104 | .90 | 2 | 5 | WD | 1 | 8 | 1 | 2 | 2 | 18 | .06 | .016 | 12 | 4 | .08 | 48 | .02 | 6 | .93 | .01 | .01 | 1 |
| 31617 | 1 | 2 | 21 | 89 | .3 | 4 | 6 | 468 | 1.60 | 2 | 5 | WD | 1 | 16 | 1 | 3 | 6 | 25 | .14 | .043 | 15 | 11 | .19 | 118 | .02 | 4 | 1.35 | .01 | .03 | 1 |
| 31618 | 1 | 7 | 22 | 95 | .1 | 6 | 5 | 216 | 2.54 | 4 | 5 | WD | 1 | 9 | 1 | 2 | 6 | 34 | .10 | .097 | 11 | 13 | .16 | 59 | .03 | 6 | 2.08 | .01 | .02 | 1 |
| STD C | 18 | 57 | 38 | 132 | 7.2 | 67 | 27 | 1101 | 4.12 | 38 | 15 | 7 | 36 | 47 | 18 | 16 | 18 | 56 | .46 | .690 | 38 | 55 | .92 | 174 | .06 | 30 | 1.95 | .06 | .13 | 11 |

Shel 1,6

Soils n = 12
Σ = 83

Ootsa (LG) - Shelford Hills

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604) 253-3158

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GEOCHEMICAL ANALYSIS CERTIFICATE

1988 Ootsa

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 1-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR NH PK SE CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AD DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: P1-P3 SOIL P4 SILT P5 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE. P - 20 mesh, Pulverized.

DATE RECEIVED: OCT 11 1988 DATE REPORT MAILED: Oct. 18, 1988 SIGNED BY: B. Chan D. YOTE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

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Sheet 4

| SAMPLE# | NO | CU | PB | ZO | AG | NI | CO | MN | FE | AS | U | AU | TH | SR | CD | SB | BI | V | CA | P | LA | CR | NG | BA | TI | B | AL | W | K | NA | AU* |
|-----------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | % | % | % | PPM | PPM | |
| 47377 | 1 | 14 | 39 | 170 | .5 | 7 | 6 | 286 | 2.90 | 21 | 5 | ND | 3 | 7 | 2 | 2 | 3 | 34 | .07 | .166 | 12 | 12 | .23 | 76 | .01 | 4 | 2.64 | .01 | .05 | 2 | 1 |
| 47378 | 1 | 10 | 27 | 142 | .4 | 10 | 6 | 242 | 3.51 | 46 | 5 | ND | 4 | 6 | 2 | 2 | 2 | 45 | .05 | .059 | 9 | 17 | .29 | 59 | .03 | 2 | 3.70 | .01 | .05 | 1 | 10 |
| 47380 | 2 | 10 | 30 | 142 | .2 | 6 | 4 | 209 | 3.35 | 20 | 5 | ND | 3 | 6 | 2 | 2 | 2 | 45 | .06 | .089 | 11 | 14 | .23 | 72 | .02 | 2 | 3.13 | .01 | .05 | 1 | 1 |
| 47381 | 1 | 9 | 12 | 68 | .3 | 4 | 3 | 186 | 2.24 | 15 | 5 | ND | 1 | 7 | 2 | 2 | 2 | 41 | .06 | .063 | 11 | 10 | .16 | 55 | .02 | 2 | 1.06 | .01 | .04 | 2 | 1 |
| 47382 | 1 | 10 | 28 | 94 | .2 | 7 | 4 | 184 | 2.49 | 11 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 39 | .07 | .066 | 12 | 11 | .24 | 78 | .02 | 2 | 1.77 | .01 | .05 | 2 | 1 |
| 47383 | 2 | 11 | 25 | 93 | .5 | 5 | 3 | 287 | 1.88 | 9 | 5 | ND | 1 | 16 | 3 | 2 | 2 | 36 | .14 | .032 | 12 | 12 | .19 | 87 | .01 | 2 | 1.63 | .01 | .05 | 1 | 1 |
| 47384 | 2 | 20 | 23 | 130 | .1 | 12 | 6 | 521 | 2.86 | 15 | 5 | ND | 1 | 23 | 2 | 2 | 2 | 41 | .23 | .029 | 14 | 18 | .39 | 114 | .02 | 2 | 2.13 | .01 | .07 | 1 | 1 |
| 47389 | 1 | 13 | 23 | 100 | .5 | 8 | 5 | 213 | 3.98 | 13 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 55 | .06 | .062 | 9 | 19 | .27 | 63 | .04 | 2 | 3.23 | .01 | .05 | 2 | 1 |
| 47393 | 1 | 6 | 11 | 63 | .2 | 5 | 3 | 164 | 1.67 | 2 | 5 | ND | 3 | 8 | 1 | 3 | 3 | 32 | .08 | .038 | 10 | 11 | .19 | 51 | .03 | 3 | 1.49 | .01 | .05 | 2 | 2 |
| 50876 | 3 | 20 | 20 | 140 | .2 | 8 | 5 | 507 | 2.18 | 11 | 5 | ND | 1 | 16 | 2 | 2 | 2 | 32 | .14 | .035 | 14 | 12 | .29 | 90 | .01 | 3 | 1.72 | .01 | .06 | 1 | 1 |
| 50877 | 2 | 17 | 24 | 511 | 1.2 | 9 | 5 | 721 | 3.20 | 15 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 37 | .08 | .067 | 13 | 14 | .26 | 133 | .02 | 2 | 2.40 | .01 | .07 | 1 | 1 |
| 50878 | 1 | 10 | 24 | 121 | .2 | 6 | 4 | 231 | 2.66 | 15 | 5 | ND | 1 | 13 | 3 | 2 | 4 | 37 | .12 | .084 | 9 | 13 | .21 | 91 | .02 | 2 | 2.19 | .01 | .04 | 1 | 1 |
| 50875 | 1 | 10 | 23 | 143 | .8 | 5 | 3 | 254 | 3.09 | 19 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 40 | .08 | .032 | 14 | 12 | .20 | 75 | .02 | 2 | 1.63 | .01 | .05 | 1 | 1 |
| 50880 | 2 | 16 | 33 | 116 | .1 | 8 | 5 | 344 | 3.89 | 18 | 5 | ND | 1 | 8 | 2 | 3 | 5 | 42 | .07 | .101 | 13 | 14 | .28 | 70 | .02 | 2 | 2.08 | .01 | .05 | 2 | 13 |
| 50881 | 1 | 12 | 28 | 166 | .2 | 8 | 4 | 228 | 2.71 | 20 | 5 | ND | 3 | 6 | 2 | 2 | 2 | 40 | .06 | .073 | 11 | 13 | .24 | 63 | .02 | 2 | 2.41 | .01 | .04 | 2 | 1 |
| 50882 | 1 | 11 | 26 | 130 | .6 | 7 | 4 | 264 | 2.66 | 19 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 34 | .07 | .085 | 12 | 11 | .19 | 68 | .02 | 2 | 1.93 | .01 | .04 | 2 | 1 |
| 50883 | 1 | 12 | 16 | 136 | .3 | 6 | 3 | 232 | 2.09 | 16 | 5 | ND | 1 | 10 | 2 | 2 | 2 | 31 | .10 | .051 | 12 | 11 | .20 | 68 | .02 | 2 | 1.60 | .01 | .05 | 1 | 4 |
| 50884 | 1 | 9 | 22 | 80 | .3 | 4 | 3 | 235 | 1.66 | 15 | 5 | ND | 1 | 12 | 2 | 2 | 2 | 30 | .10 | .040 | 14 | 9 | .13 | 96 | .02 | 3 | 1.07 | .01 | .04 | 1 | 1 |
| 50885 | 1 | 14 | 20 | 141 | .4 | 9 | 5 | 298 | 3.12 | 24 | 5 | ND | 1 | 10 | 2 | 2 | 2 | 40 | .11 | .088 | 12 | 15 | .29 | 72 | .02 | 2 | 1.90 | .01 | .04 | 1 | 2 |
| 50886 | 2 | 10 | 19 | 112 | .4 | 6 | 4 | 188 | 3.28 | 16 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 49 | .09 | .101 | 9 | 15 | .22 | 62 | .03 | 2 | 2.49 | .01 | .04 | 1 | 1 |
| 50887 | 1 | 9 | 14 | 209 | .3 | 6 | 5 | 581 | 1.95 | 9 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 35 | .27 | .032 | 11 | 12 | .28 | 83 | .01 | 2 | 1.43 | .01 | .05 | 1 | 4 |
| 50888 | 1 | 26 | 27 | 106 | .2 | 11 | 7 | 434 | 2.75 | 26 | 5 | ND | 2 | 13 | 2 | 3 | 2 | 44 | .13 | .051 | 11 | 18 | .34 | 84 | .03 | 3 | 2.24 | .01 | .05 | 1 | 1 |
| 50889 | 1 | 16 | 22 | 100 | .3 | 9 | 7 | 326 | 3.13 | 20 | 5 | ND | 1 | 8 | 1 | 3 | 4 | 49 | .10 | .128 | 8 | 18 | .32 | 62 | .03 | 2 | 2.59 | .01 | .04 | 1 | 1 |
| 50890 | 1 | 22 | 29 | 104 | .1 | 13 | 8 | 682 | 2.85 | 18 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 48 | .13 | .068 | 10 | 18 | .38 | 114 | .03 | 4 | 2.01 | .01 | .05 | 1 | 3 |
| 50891 | 1 | 11 | 14 | 106 | .1 | 6 | 5 | 441 | 2.24 | 30 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 39 | .12 | .070 | 11 | 13 | .23 | 67 | .02 | 2 | 1.22 | .01 | .07 | 1 | 21 |
| 50892 | 1 | 14 | 16 | 94 | .1 | 8 | 5 | 239 | 1.29 | 12 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 41 | .13 | .070 | 10 | 14 | .27 | 76 | .03 | 2 | 1.73 | .01 | .05 | 2 | 1 |
| 50893 | 1 | 13 | 18 | 101 | .1 | 8 | 5 | 504 | 2.21 | 9 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 39 | .10 | .074 | 9 | 13 | .23 | 77 | .03 | 2 | 1.68 | .01 | .04 | 1 | 1 |
| 50894 | 1 | 15 | 15 | 90 | .1 | 8 | 4 | 221 | 2.77 | 15 | 5 | ND | 1 | 17 | 1 | 3 | 5 | 47 | .22 | .101 | 8 | 15 | .25 | 84 | .03 | 2 | 1.71 | .01 | .07 | 1 | 10 |
| 50895 | 1 | 18 | 18 | 100 | .1 | 9 | 6 | 471 | 2.54 | 12 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 46 | .22 | .112 | 9 | 16 | .32 | 69 | .03 | 2 | 1.33 | .01 | .07 | 1 | 1 |
| 50896 | 1 | 16 | 28 | 107 | .1 | 11 | 6 | 280 | 2.75 | 13 | 5 | ND | 2 | 9 | 1 | 2 | 2 | 48 | .10 | .064 | 8 | 18 | .28 | 78 | .04 | 2 | 2.03 | .01 | .05 | 1 | 22 |
| 50897 | 1 | 20 | 15 | 85 | .1 | 10 | 6 | 388 | 2.71 | 16 | 5 | ND | 1 | 13 | 3 | 3 | 2 | 49 | .19 | .032 | 9 | 17 | .33 | 64 | .04 | 2 | 1.13 | .01 | .05 | 1 | 10 |
| 50898 | 1 | 17 | 20 | 96 | .1 | 10 | 6 | 923 | 2.59 | 14 | 5 | ND | 1 | 13 | 1 | 3 | 2 | 46 | .15 | .063 | 8 | 17 | .29 | 95 | .03 | 2 | 1.45 | .01 | .04 | 1 | 1 |
| 50899 | 1 | 11 | 17 | 79 | .1 | 6 | 4 | 258 | 2.33 | 8 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 44 | .09 | .045 | 8 | 14 | .22 | 78 | .03 | 2 | 1.59 | .01 | .03 | 1 | 1 |
| 50900 | 1 | 22 | 26 | 102 | .1 | 11 | 7 | 427 | 2.86 | 15 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 49 | .12 | .056 | 10 | 19 | .36 | 79 | .04 | 2 | 1.72 | .01 | .05 | 1 | 3 |
| 50926 | 1 | 12 | 22 | 90 | .1 | 8 | 5 | 328 | 2.36 | 10 | 5 | ND | 1 | 10 | 1 | 2 | 3 | 44 | .12 | .068 | 9 | 14 | .22 | 77 | .03 | 2 | 1.62 | .01 | .04 | 1 | 1 |
| 50927 | 1 | 15 | 33 | 143 | .2 | 8 | 5 | 286 | 4.08 | 15 | 5 | ND | 1 | 12 | 1 | 3 | 2 | 65 | .11 | .099 | 9 | 17 | .25 | 104 | .02 | 2 | 1.84 | .01 | .06 | 2 | 5 |
| 50928 | 1 | 11 | 18 | 108 | .3 | 8 | 5 | 424 | 2.62 | 17 | 5 | ND | 2 | 9 | 1 | 2 | 2 | 46 | .10 | .077 | 7 | 14 | .22 | 61 | .03 | 3 | 1.69 | .01 | .05 | 2 | 2 |
| 570 LAU-9 | 18 | 60 | 42 | 132 | 6.9 | 67 | 31 | 1026 | 4.30 | 43 | 23 | 8 | 37 | 47 | 24 | 17 | 20 | 60 | .49 | .091 | 39 | 56 | .91 | 176 | .07 | 13 | 2.01 | .06 | .15 | 11 | 4 |

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| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ml PPM | Co PPM | Mn PPM | Fe % | As PPM | V PPM | Au PPM | Ni PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Hg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | V PPM | Au* PPB |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------|
| 50932 | 1 | 13 | 18 | 154 | .2 | 13 | 7 | 269 | 3.39 | 34 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 53 | .14 | .033 | 7 | 18 | .34 | 106 | .03 | 5 | 2.16 | .01 | .04 | 1 | 2 |
| 50933 | 1 | 12 | 23 | 107 | .3 | 10 | 5 | 230 | 2.62 | 46 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 49 | .18 | .024 | 8 | 16 | .27 | 87 | .02 | 4 | 1.56 | .01 | .05 | 1 | 3 |
| 50934 | 1 | 13 | 25 | 109 | .2 | 10 | 5 | 208 | 3.11 | 28 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 51 | .16 | .084 | 8 | 16 | .30 | 104 | .02 | 2 | 2.13 | .01 | .04 | 1 | 5 |
| 50935 | 1 | 11 | 22 | 107 | .3 | 9 | 5 | 228 | 2.43 | 21 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 44 | .33 | .061 | 9 | 14 | .29 | 81 | .03 | 3 | 1.55 | .01 | .04 | 1 | 2 |
| 50936 | 1 | 5 | 20 | 77 | .7 | 4 | 2 | 96 | 1.33 | 10 | 5 | ND | 1 | 9 | 1 | 2 | 3 | 28 | .09 | .023 | 9 | 8 | .09 | 62 | .02 | 3 | 1.13 | .01 | .03 | 1 | 3 |
| 50937 | 3 | 10 | 21 | 105 | .3 | 6 | 3 | 161 | 2.71 | 44 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 50 | .11 | .018 | 10 | 11 | .19 | 110 | .03 | 2 | 1.28 | .01 | .06 | 1 | 9 |
| 50938 | 1 | 11 | 18 | 89 | .3 | 8 | 4 | 107 | 1.46 | 13 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 28 | .16 | .021 | 11 | 11 | .26 | 77 | .01 | 3 | 1.44 | .01 | .04 | 1 | 1 |
| 50939 | 3 | 13 | 27 | 127 | .4 | 7 | 5 | 232 | 3.42 | 42 | 5 | ND | 2 | 27 | 1 | 3 | 2 | 54 | .23 | .024 | 10 | 15 | .27 | 131 | .03 | 2 | 1.98 | .01 | .04 | 1 | 1 |
| 50940 | 1 | 9 | 25 | 97 | .2 | 6 | 3 | 172 | 2.37 | 21 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 39 | .13 | .072 | 10 | 15 | .18 | 79 | .02 | 3 | 3.19 | .01 | .04 | 1 | 2 |
| 50941 | 2 | 7 | 20 | 86 | .1 | 5 | 3 | 136 | 1.52 | 14 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 31 | .18 | .024 | 12 | 10 | .21 | 461 | .01 | 3 | 1.30 | .01 | .03 | 1 | 2 |
| 50942 | 1 | 10 | 27 | 88 | .2 | 6 | 4 | 380 | 1.77 | 13 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 36 | .16 | .082 | 10 | 12 | .18 | 128 | .01 | 2 | 1.41 | .01 | .06 | 1 | 3 |
| 50944 | 1 | 8 | 19 | 95 | .4 | 8 | 4 | 190 | 2.74 | 11 | 5 | ND | 2 | 8 | 1 | 2 | 3 | 40 | .09 | .122 | 11 | 14 | .24 | 70 | .03 | 2 | 2.85 | .01 | .04 | 1 | 1 |
| 50945 | 1 | 5 | 38 | 47 | .1 | 4 | 2 | 135 | 1.58 | 3 | 5 | ND | 3 | 6 | 1 | 2 | 2 | 34 | .05 | .019 | 10 | 9 | .11 | 46 | .03 | 3 | 1.35 | .01 | .03 | 2 | 1 |
| 50946 | 3 | 7 | 14 | 72 | .2 | 7 | 4 | 200 | 2.97 | 10 | 5 | ND | 3 | 7 | 1 | 2 | 2 | 50 | .07 | .040 | 9 | 14 | .28 | 67 | .05 | 4 | 1.66 | .01 | .04 | 1 | 2 |
| 50947 | 1 | 10 | 18 | 82 | .1 | 6 | 4 | 165 | 2.98 | 10 | 5 | ND | 3 | 6 | 1 | 2 | 3 | 43 | .04 | .076 | 10 | 15 | .22 | 66 | .02 | 2 | 3.58 | .01 | .04 | 1 | 1 |
| 50948 | 2 | 9 | 14 | 84 | .1 | 9 | 5 | 229 | 2.42 | 6 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 41 | .12 | .019 | 10 | 16 | .35 | 102 | .01 | 2 | 2.14 | .01 | .04 | 1 | 1 |
| 50949 | 1 | 6 | 13 | 104 | .2 | 8 | 4 | 170 | 2.27 | 5 | 5 | ND | 2 | 7 | 1 | 2 | 2 | 41 | .07 | .112 | 8 | 14 | .21 | 67 | .04 | 3 | 2.58 | .01 | .03 | 1 | 1 |
| 50950 | 5 | 8 | 15 | 75 | .1 | 8 | 4 | 194 | 1.85 | 6 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 39 | .12 | .026 | 17 | 13 | .24 | 125 | .03 | 2 | 1.49 | .01 | .04 | 1 | 1 |
| 50951 | 1 | 10 | 13 | 61 | .3 | 7 | 4 | 191 | 2.42 | 7 | 5 | ND | 1 | 7 | 1 | 2 | 2 | 43 | .07 | .113 | 8 | 15 | .25 | 52 | .02 | 2 | 2.35 | .01 | .03 | 1 | 1 |
| 50952 | 1 | 15 | 16 | 89 | .1 | 11 | 6 | 207 | 2.57 | 11 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 40 | .10 | .079 | 9 | 19 | .33 | 106 | .02 | 2 | 2.81 | .01 | .04 | 1 | 5 |
| 50954 | 2 | 12 | 9 | 100 | .1 | 11 | 5 | 254 | 2.28 | 11 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 42 | .29 | .064 | 10 | 18 | .40 | 138 | .02 | 2 | 1.48 | .01 | .06 | 1 | 2 |
| 50955 | 1 | 6 | 12 | 49 | .3 | 4 | 2 | 102 | 1.49 | 6 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 31 | .08 | .027 | 10 | 10 | .15 | 60 | .02 | 2 | 1.34 | .01 | .04 | 1 | 1 |
| 50956 | 4 | 32 | 13 | 93 | .1 | 11 | 7 | 472 | 2.42 | 15 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 40 | .27 | .032 | 17 | 18 | .41 | 191 | .02 | 2 | 1.84 | .01 | .06 | 1 | 10 |
| 50957 | 1 | 14 | 20 | 104 | .3 | 10 | 6 | 208 | 2.82 | 20 | 5 | ND | 3 | 8 | 1 | 2 | 2 | 39 | .06 | .047 | 9 | 15 | .25 | 76 | .02 | 2 | 2.81 | .01 | .05 | 1 | 1 |
| 50958 | 2 | 18 | 21 | 96 | .3 | 10 | 5 | 197 | 2.73 | 20 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 39 | .09 | .073 | 14 | 17 | .28 | 96 | .02 | 4 | 2.75 | .01 | .05 | 1 | 89 |
| 50959 | 2 | 15 | 27 | 111 | .1 | 9 | 5 | 214 | 2.92 | 19 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 40 | .08 | .114 | 10 | 15 | .29 | 115 | .01 | 3 | 2.50 | .01 | .06 | 1 | 3 |
| 50960 | 1 | 20 | 23 | 117 | .1 | 11 | 6 | 410 | 2.92 | 24 | 5 | ND | 2 | 9 | 1 | 2 | 2 | 46 | .07 | .032 | 11 | 17 | .43 | 94 | .02 | 5 | 2.32 | .01 | .07 | 1 | 1 |
| 50961 | 1 | 13 | 22 | 87 | .1 | 9 | 4 | 231 | 3.08 | 13 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 50 | .08 | .047 | 9 | 17 | .30 | 74 | .04 | 2 | 2.41 | .01 | .04 | 1 | 1 |
| 50962 | 2 | 15 | 18 | 121 | .3 | 9 | 5 | 372 | 2.53 | 12 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 40 | .10 | .025 | 11 | 15 | .35 | 97 | .01 | 2 | 1.87 | .01 | .06 | 1 | 2 |
| 50963 | 1 | 12 | 25 | 88 | .2 | 10 | 4 | 249 | 2.52 | 9 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 45 | .09 | .137 | 9 | 19 | .34 | 53 | .03 | 2 | 2.61 | .01 | .04 | 1 | 1 |
| 50964 | 2 | 15 | 43 | 101 | .2 | 9 | 5 | 265 | 3.87 | 27 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 50 | .09 | .155 | 9 | 21 | .36 | 75 | .04 | 2 | 3.85 | .01 | .05 | 1 | 2 |
| 50965 | 1 | 18 | 23 | 99 | .7 | 9 | 6 | 717 | 2.78 | 17 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 44 | .07 | .049 | 11 | 16 | .34 | 86 | .01 | 3 | 1.75 | .01 | .07 | 1 | 5 |
| 50966 | 1 | 12 | 15 | 87 | .2 | 11 | 6 | 245 | 2.55 | 8 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 45 | .07 | .032 | 7 | 19 | .38 | 69 | .04 | 3 | 2.47 | .01 | .05 | 2 | 1 |
| 50970 | 1 | 8 | 16 | 61 | .1 | 5 | 3 | 175 | 2.88 | 9 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 44 | .07 | .068 | 7 | 13 | .17 | 53 | .03 | 2 | 1.86 | .01 | .02 | 1 | 2 |
| 50971 | 1 | 12 | 21 | 79 | .1 | 7 | 3 | 232 | 2.37 | 7 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 37 | .08 | .080 | 8 | 12 | .24 | 61 | .03 | 3 | 2.08 | .01 | .03 | 1 | 1 |
| 50972 | 1 | 14 | 20 | 95 | .1 | 8 | 5 | 346 | 2.49 | 8 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 39 | .11 | .103 | 10 | 14 | .27 | 71 | .02 | 3 | 2.26 | .01 | .05 | 1 | 1 |
| 50973 | 1 | 13 | 28 | 83 | .1 | 7 | 4 | 232 | 2.17 | 9 | 5 | ND | 2 | 8 | 1 | 2 | 2 | 36 | .08 | .073 | 8 | 13 | .23 | 54 | .03 | 4 | 2.29 | .01 | .03 | 1 | 1 |
| STD C/AU-8 | 19 | 60 | 35 | 132 | 7.0 | 67 | 30 | 1023 | 3.89 | 44 | 22 | 8 | 37 | 48 | 19 | 17 | 22 | 61 | .49 | .097 | 39 | 57 | .93 | 379 | .07 | 32 | 1.95 | .06 | .15 | 11 | 53 |

Soi, n=37

| SAMPLE# | Mo PPM | Co PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Ca PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Tb PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Cu % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | AN# PPM |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------|
| 50975 | 2 | 19 | 20 | 73 | .5 | 5 | 4 | 309 | 2.19 | 16 | 5 | ND | 1 | 15 | 2 | 2 | 2 | 33 | .10 | .075 | 8 | 13 | .19 | 63 | .01 | 3 | 1.36 | .01 | .03 | 1 | 1 |
| 50976 | 1 | 15 | 24 | 91 | .5 | 10 | 7 | 648 | 2.43 | 4 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 41 | .11 | .080 | 8 | 16 | .35 | 92 | .02 | 3 | 1.70 | .01 | .06 | 1 | 4 |
| 50977 | 2 | 14 | 16 | 62 | .5 | 3 | 2 | 160 | 1.15 | 5 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 21 | .09 | .074 | 8 | 9 | .16 | 61 | .01 | 6 | 1.19 | .01 | .04 | 1 | 1 |
| 50978 | 1 | 9 | 14 | 89 | .5 | 6 | 4 | 560 | 1.70 | 3 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 30 | .12 | .076 | 8 | 10 | .20 | 102 | .01 | 3 | 1.27 | .01 | .04 | 1 | 2 |
| 50979 | 1 | 9 | 18 | 62 | .3 | 7 | 4 | 187 | 1.92 | 5 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 36 | .09 | .053 | 7 | 13 | .24 | 45 | .01 | 2 | 1.47 | .01 | .03 | 1 | 1 |
| 50980 | 1 | 8 | 20 | 74 | .4 | 5 | 3 | 374 | 1.70 | 3 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 31 | .12 | .129 | 8 | 11 | .19 | 60 | .01 | 2 | 1.39 | .01 | .04 | 1 | 1 |
| 50981 | 1 | 10 | 14 | 63 | .1 | 5 | 4 | 201 | 2.21 | 2 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 38 | .09 | .062 | 8 | 12 | .21 | 46 | .02 | 3 | 1.97 | .01 | .03 | 1 | 35 |
| 50982 | 1 | 9 | 17 | 62 | .1 | 6 | 4 | 219 | 2.00 | 6 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 37 | .11 | .060 | 9 | 13 | .20 | 61 | .02 | 2 | 1.58 | .01 | .03 | 1 | 1 |
| 50983 | 1 | 12 | 23 | 82 | .2 | 7 | 5 | 375 | 2.26 | 8 | 5 | ND | 1 | 12 | 2 | 3 | 2 | 38 | .15 | .088 | 10 | 15 | .26 | 56 | .03 | 3 | 1.64 | .01 | .04 | 1 | 1 |
| 50985 | 1 | 12 | 16 | 51 | .1 | 5 | 3 | 179 | 1.95 | 3 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 33 | .07 | .068 | 6 | 12 | .23 | 43 | .01 | 3 | 1.65 | .01 | .02 | 1 | 1 |
| 50987 | 1 | 14 | 17 | 95 | .4 | 7 | 3 | 235 | 2.00 | 6 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 37 | .11 | .060 | 8 | 13 | .26 | 72 | .03 | 2 | 1.53 | .01 | .04 | 1 | 3 |
| 50988 | 1 | 10 | 21 | 51 | .1 | 4 | 3 | 206 | 2.35 | 6 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 43 | .10 | .113 | 6 | 12 | .17 | 44 | .01 | 2 | 1.23 | .01 | .03 | 1 | 1 |
| 50989 | 1 | 16 | 21 | 127 | .3 | 10 | 5 | 337 | 2.94 | 7 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 37 | .16 | .489 | 6 | 18 | .28 | 129 | .01 | 3 | 2.20 | .01 | .05 | 1 | 20 |
| 50990 | 1 | 14 | 17 | 87 | .4 | 7 | 5 | 250 | 3.31 | 11 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 49 | .20 | .257 | 7 | 16 | .28 | 74 | .01 | 2 | 1.80 | .01 | .04 | 1 | 1 |
| 50991 | 1 | 8 | 13 | 75 | .2 | 5 | 3 | 301 | 1.61 | 2 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 30 | .17 | .064 | 7 | 12 | .18 | 99 | .02 | 2 | .99 | .01 | .05 | 1 | 1 |
| 50993 | 3 | 81 | 63 | 205 | 1.4 | 11 | 7 | 250 | 5.28 | 13 | 7 | ND | 1 | 31 | 2 | 2 | 13 | 53 | .09 | .151 | 27 | 20 | .34 | 54 | .01 | 2 | 2.64 | .01 | .05 | 1 | 1 |
| 50995 | 1 | 14 | 39 | 101 | .6 | 5 | 3 | 163 | 3.49 | 7 | 5 | ND | 2 | 14 | 1 | 2 | 2 | 43 | .05 | .106 | 11 | 13 | .19 | 110 | .03 | 2 | 2.79 | .01 | .05 | 1 | 2 |
| 50996 | 1 | 19 | 34 | 109 | .5 | 9 | 5 | 231 | 3.78 | 13 | 5 | ND | 2 | 9 | 1 | 2 | 3 | 50 | .05 | .085 | 8 | 19 | .30 | 52 | .03 | 4 | 3.55 | .01 | .05 | 1 | 1 |
| 50997 | 1 | 11 | 24 | 80 | .5 | 5 | 3 | 212 | 2.64 | 6 | 5 | ND | 1 | 10 | 2 | 2 | 3 | 39 | .06 | .033 | 10 | 11 | .24 | 46 | .04 | 2 | 2.26 | .01 | .03 | 1 | 1 |
| 50998 | 8 | 39 | 39 | 219 | .1 | 9 | 64 | 1594 | 2.58 | 5 | 5 | ND | 1 | 29 | 2 | 2 | 2 | 37 | .21 | .048 | 12 | 12 | .29 | 46 | .02 | 2 | 2.01 | .01 | .04 | 1 | 1 |
| 50999 | 1 | 8 | 14 | 43 | .1 | 6 | 3 | 147 | 1.80 | 5 | 5 | ND | 1 | 9 | 1 | 3 | 2 | 45 | .05 | .020 | 8 | 16 | .13 | 39 | .04 | 2 | 1.14 | .01 | .02 | 2 | 2 |
| 51000 | 1 | 9 | 21 | 64 | .3 | 6 | 1 | 210 | 1.59 | 2 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 27 | .10 | .058 | 9 | 12 | .25 | 55 | .02 | 2 | 1.50 | .01 | .03 | 1 | 3 |
| 51001 | 1 | 11 | 23 | 80 | .2 | 6 | 3 | 226 | 1.96 | 5 | 5 | ND | 1 | 14 | 1 | 2 | 3 | 31 | .11 | .024 | 10 | 12 | .30 | 71 | .03 | 2 | 1.65 | .01 | .04 | 1 | 1 |
| 51002 | 1 | 15 | 18 | 101 | .2 | 7 | 4 | 215 | 2.36 | 8 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 40 | .07 | .057 | 9 | 14 | .30 | 68 | .01 | 2 | 1.88 | .01 | .05 | 1 | 1 |
| 51003 | 1 | 12 | 29 | 96 | .3 | 6 | 6 | 160 | 2.18 | 10 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 34 | .07 | .079 | 11 | 13 | .21 | 76 | .01 | 2 | 2.16 | .01 | .03 | 1 | 1 |
| 51004 | 2 | 14 | 24 | 98 | 1.2 | 7 | 5 | 213 | 3.54 | 16 | 5 | ND | 1 | 9 | 1 | 3 | 2 | 45 | .08 | .069 | 9 | 15 | .24 | 64 | .02 | 2 | 2.02 | .01 | .04 | 1 | 2 |
| 51005 | 1 | 10 | 22 | 49 | .1 | 3 | 2 | 99 | 1.93 | 7 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 34 | .06 | .035 | 9 | 9 | .09 | 53 | .01 | 2 | 1.43 | .01 | .03 | 1 | 1 |
| 51006 | 1 | 13 | 26 | 76 | .1 | 8 | 6 | 180 | 3.11 | 10 | 5 | ND | 1 | 4 | 1 | 2 | 2 | 45 | .05 | .077 | 7 | 14 | .24 | 53 | .01 | 2 | 2.64 | .01 | .04 | 1 | 1 |
| 51007 | 1 | 15 | 25 | 96 | .1 | 9 | 5 | 232 | 2.49 | 9 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 38 | .07 | .075 | 8 | 16 | .29 | 94 | .03 | 2 | 2.49 | .01 | .04 | 1 | 3 |
| 51008 | 1 | 10 | 24 | 57 | .1 | 4 | 3 | 133 | 2.07 | 7 | 5 | ND | 1 | 6 | 2 | 2 | 2 | 34 | .05 | .060 | 10 | 12 | .16 | 43 | .02 | 2 | 2.26 | .01 | .03 | 2 | 1 |
| 51010 | 1 | 31 | 26 | 88 | .3 | 8 | 6 | 170 | 2.61 | 9 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 37 | .05 | .073 | 10 | 13 | .18 | 52 | .03 | 2 | 3.10 | .01 | .04 | 3 | 2 |
| 51011 | 1 | 13 | 27 | 106 | .8 | 8 | 4 | 190 | 3.27 | 26 | 5 | ND | 1 | 6 | 1 | 2 | 2 | 44 | .05 | .107 | 7 | 15 | .25 | 44 | .02 | 2 | 2.85 | .01 | .04 | 1 | 1 |
| 51015 | 1 | 77 | 42 | 127 | 2.6 | 8 | 5 | 196 | 3.83 | 31 | 5 | ND | 2 | 10 | 1 | 2 | 3 | 43 | .05 | .063 | 13 | 14 | .23 | 78 | .02 | 2 | 3.19 | .01 | .06 | 2 | 11 |
| 51016 | 1 | 12 | 21 | 84 | .7 | 8 | 4 | 167 | 2.95 | 20 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 50 | .07 | .063 | 9 | 13 | .19 | 77 | .02 | 2 | 1.83 | .01 | .05 | 1 | 1 |
| 51027 | 2 | 15 | 25 | 81 | .6 | 6 | 3 | 175 | 3.72 | 18 | 5 | ND | 1 | 7 | 1 | 2 | 2 | 51 | .06 | .063 | 10 | 16 | .22 | 54 | .03 | 2 | 2.58 | .01 | .04 | 2 | 3 |
| 52128 | 1 | 41 | 47 | 206 | .9 | 15 | 14 | 2544 | 3.53 | 16 | 5 | ND | 1 | 35 | 2 | 2 | 2 | 55 | .39 | .165 | 21 | 24 | .52 | 304 | .01 | 2 | 3.86 | .01 | .11 | 1 | 1 |
| 870 C/AU-S | 19 | 60 | 62 | 132 | 7.0 | 10 | 31 | 1024 | 4.17 | 43 | 22 | 8 | 37 | 48 | 19 | 20 | 23 | 60 | .49 | .093 | 39 | 57 | .92 | 178 | .07 | 33 | 2.02 | .06 | .15 | 11 | 51 |

Soil

n=36

Σ=110

| SAMPLE | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | Al | B | Au | Tb | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Hg | Ba | Yt | B | Al | Na | K | W | As* |
|-------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
| Sheet | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | % | PPM | PPM |
| 4 ✓ 47385 P | 2 | 15 | 23 | 139 | .5 | 10 | 8 | 1673 | 2.87 | 15 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 40 | .30 | .044 | 14 | 13 | .48 | 109 | .04 | 2 | 1.15 | .02 | .00 | 1 | 2 |
| ✓ 50929 P | 1 | 16 | 20 | 124 | .4 | 12 | 8 | 1161 | 3.07 | 15 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 45 | .35 | .039 | 13 | 12 | .56 | 104 | .05 | 2 | 1.29 | .02 | .00 | 1 | 1 |
| ✓ 50930 P | 2 | 20 | 26 | 144 | .4 | 12 | 8 | 975 | 2.87 | 26 | 5 | ND | 3 | 20 | 1 | 2 | 2 | 41 | .30 | .041 | 14 | 11 | .49 | 93 | .04 | 2 | 1.19 | .02 | .09 | 1 | 1 |
| ✓ 50931 P | 2 | 14 | .33 | 137 | .8 | 13 | 8 | 865 | 3.16 | 42 | 5 | ND | 1 | 36 | 1 | 2 | 2 | 44 | .46 | .036 | 16 | 12 | .55 | 108 | .03 | 2 | 1.55 | .02 | .09 | 1 | 1 |
| ✓ 50943 | 8 | 10 | 19 | 93 | .3 | 7 | 9 | 1626 | 3.87 | 17 | 5 | ND | 1 | 37 | 1 | 3 | 2 | 37 | .35 | .060 | 17 | 10 | .36 | 166 | .02 | 4 | 1.53 | .01 | .05 | 3 | 1 |
| ✓ 50953 P | 6 | 20 | 21 | 257 | .5 | 12 | 9 | 1480 | 3.30 | 15 | 5 | ND | 1 | 32 | 1 | 2 | 2 | 41 | .39 | .055 | 19 | 13 | .53 | 141 | .03 | 2 | 1.59 | .02 | .10 | 1 | 1 |
| ✓ 50967 P | 7 | 14 | 20 | 132 | .6 | 9 | 8 | 1376 | 3.17 | 14 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 39 | .34 | .052 | 15 | 10 | .43 | 113 | .02 | 3 | 1.35 | .01 | .06 | 1 | 114 |
| ✓ 50986 P | 8 | 14 | 15 | 101 | .1 | 8 | 9 | 785 | 3.66 | 16 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 43 | .19 | .045 | 13 | 9 | .41 | 74 | .06 | 3 | 1.11 | .02 | .07 | 2 | 1 |
| ✓ 50992 P | 3 | 14 | 13 | 100 | .3 | 9 | 7 | 640 | 2.71 | 6 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 39 | .26 | .047 | 13 | 10 | .46 | 67 | .05 | 2 | 1.05 | .01 | .06 | 1 | 1 |
| STD C/RU-5 | 10 | 61 | 41 | 132 | 6.8 | 67 | 31 | 1023 | 4.24 | 40 | 16 | 8 | 38 | 48 | 18 | 17 | 21 | 57 | .50 | .091 | 39 | 53 | .95 | 175 | .07 | 33 | 1.98 | .06 | .13 | 12 | 51 |

~~1012~~

Sil. n=9

Sheet

| SAMPLE# | NO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MO PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | R PPM | AL % | MO % | K % | V PPM | AU* PPM |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|------|------|--------|--------|------|--------|------|-------|------|------|-----|-------|---------|
| 2 47376 | 3 | 5 | 16 | 107 | .1 | 4 | 1 | 1419 | .61 | 5 | 5 | ND | 9 | 9 | 1 | 2 | 2 | 1 | .06 | .006 | 24 | 3 | .03 | 93 | .01 | 6 | .35 | .02 | .08 | 1 | 1 |
| 2 47379 | 2 | 6 | 10 | 69 | .1 | 10 | 4 | 680 | 1.57 | 4 | 5 | ND | 4 | 62 | 1 | 2 | 2 | 10 | 1.09 | .036 | 23 | 9 | .23 | 117 | .01 | 2 | .71 | .03 | .17 | 1 | 1 |
| 3 47386 | 1 | 4 | 18 | 36 | .2 | 12 | 7 | 757 | 3.69 | 75 | 5 | ND | 4 | 11 | 1 | 2 | 2 | 21 | .15 | .081 | 13 | 15 | .23 | 145 | .01 | 4 | .60 | .02 | .20 | 1 | 3 |
| 3 47387 | 1 | 44 | 13 | 166 | .1 | 26 | 14 | 1027 | 3.91 | 6 | 5 | ND | 2 | 53 | 1 | 2 | 2 | 62 | 1.05 | .126 | 12 | 53 | 1.56 | 44 | .09 | 2 | 1.49 | .03 | .07 | 1 | 1 |
| 2 47388 | 7 | 3 | 7 | 5 | .1 | 5 | 1 | 33 | .92 | 2 | 5 | ND | 11 | 15 | 1 | 2 | 2 | 1 | .01 | .005 | 21 | 4 | .02 | 101 | .01 | 2 | .23 | .01 | .18 | 1 | 1 |
| 47390 | 4 | 14 | 3 | 37 | .1 | 4 | 1 | 33 | 1.10 | 3 | 5 | ND | 7 | 5 | 1 | 2 | 2 | 1 | .01 | .004 | 17 | 4 | .01 | 90 | .01 | 2 | .22 | .01 | .16 | 1 | 2 |
| 2 47391 | 3 | 17 | 49 | 199 | .2 | 34 | 16 | 1063 | 4.71 | 23 | 5 | ND | 1 | 113 | 1 | 3 | 2 | 89 | 1.55 | .174 | 3 | 77 | 2.07 | 33 | .17 | 2 | 3.53 | .23 | .07 | 1 | 1 |
| 2 47392 Float | 6 | 79 | 55 | 159 | .5 | 69 | 20 | 1460 | 5.12 | 11 | 5 | ND | 2 | 27 | 1 | 3 | 2 | 78 | .62 | .168 | 5 | 62 | 1.81 | 15 | .05 | 2 | 1.91 | .03 | .11 | 1 | 10 |
| 2 47394 | 4 | 6 | 33 | 35 | .3 | 14 | 1 | 631 | 1.09 | 4 | 5 | ND | 6 | 11 | 1 | 2 | 3 | 6 | .17 | .015 | 21 | 10 | .07 | 90 | .01 | 2 | .38 | .03 | .15 | 1 | 1 |
| 3 50968 | 2 | 68 | 54 | 125 | .6 | 13 | 10 | 1076 | 2.72 | 16 | 5 | ND | 4 | 14 | 1 | 2 | 22 | 20 | .46 | .069 | 16 | 15 | .33 | 139 | .01 | 4 | .78 | .02 | .20 | 1 | 5 |
| 3 50969 | 1 | 15 | 15 | 77 | .1 | 11 | 8 | 948 | 2.88 | 5 | 5 | ND | 4 | 12 | 1 | 2 | 2 | 24 | .33 | .055 | 21 | 13 | .55 | 104 | .01 | 9 | .98 | .02 | .15 | 1 | 3 |
| 1 50974 | 4 | 18 | 26 | 83 | .1 | 7 | 2 | 477 | 1.72 | 5 | 5 | ND | 8 | 10 | 1 | 2 | 2 | 21 | .15 | .040 | 11 | 13 | .23 | 53 | .05 | 3 | .53 | .02 | .10 | 1 | 2 |
| 1 50984 | 1 | 3 | 3 | 37 | .1 | 10 | 3 | 262 | 1.20 | 5 | 5 | ND | 10 | 74 | 1 | 2 | 2 | 29 | .55 | .078 | 9 | 22 | .38 | 99 | .06 | 2 | 1.00 | .04 | .06 | 1 | 1 |
| 2 50994 | 3 | 11 | 26 | 122 | .1 | 14 | 5 | 856 | 2.79 | 9 | 5 | ND | 3 | 28 | 1 | 2 | 2 | 41 | .35 | .079 | 7 | 29 | .91 | 49 | .12 | 4 | 1.39 | .04 | .12 | 1 | 1 |
| 2 51009 | 2 | 56 | 17 | 129 | .1 | 27 | 18 | 799 | 6.11 | 17 | 5 | ND | 1 | 62 | 1 | 5 | 5 | 77 | .71 | .161 | 3 | 60 | 1.89 | 29 | .13 | 2 | 2.74 | .07 | .07 | 1 | 2 |
| 2 51012 | 14 | 215 | 88 | 349 | 1.0 | 32 | 17 | 1570 | 6.70 | 14 | 5 | ND | 3 | 147 | 2 | 4 | 2 | 80 | 1.65 | .187 | 4 | 59 | 1.32 | 29 | .12 | 4 | 3.81 | .27 | .08 | 1 | 6 |
| 2 51013 | 1 | 23 | 44 | 122 | .5 | 22 | 8 | 833 | 5.01 | 40 | 5 | ND | 1 | 48 | 1 | 2 | 2 | 72 | .70 | .181 | 4 | 69 | 1.08 | 54 | .19 | 2 | 1.52 | .06 | .08 | 1 | 4 |
| 2 51014 | 1 | 129 | 26 | 155 | .3 | 27 | 10 | 1149 | 3.94 | 19 | 5 | ND | 1 | 33 | 1 | 3 | 2 | 75 | .61 | .120 | 5 | 56 | 1.66 | 142 | .19 | 2 | 1.66 | .04 | .20 | 1 | 2 |
| 2 52127 | 3 | .21 | .95 | 141 | .9 | 2 | 1 | 64 | .97 | 51 | 5 | ND | 8 | 5 | 2 | 9 | 3 | 1 | .02 | .007 | 27 | 8 | .01 | 131 | .01 | 5 | .27 | .01 | .18 | 1 | 7 |
| 2 52129 | 3 | 6 | 43 | 27 | .5 | 5 | 1 | 228 | .78 | 5 | 5 | ND | 9 | 13 | 1 | 2 | 4 | 1 | .04 | .003 | 20 | 3 | .02 | 107 | .01 | 1 | .36 | .02 | .15 | 1 | 1 |
| STD C/AU-1 | 18 | 59 | 36 | 134 | 6.9 | 68 | 30 | 1118 | 4.14 | 40 | 17 | 8 | 38 | 48 | 19 | 16 | 19 | 60 | .49 | .095 | 39 | 55 | .89 | 180 | .07 | 33 | 2.00 | .06 | .15 | 11 | 490 |

Rank

n=20

Ootsa (15)

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1 SOIL P2 SILT P3 ROCK AD* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 17 1988 DATE REPORT MAILED: Oct 20/88 SIGNED BY: C. Long, D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-044 2607 File # 88-5254 Page 1

Table with columns: SAMPLE#, No, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Au*, and PPM values for various elements.

RECEIVED OCT 25 1988

Copy to Ted

Soil

n = 8

Sheet 4

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Pb | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Mn | K | V | Au* |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | PPM | PPM | |
| 47399? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X 47378 | 1 | 7 | 9 | 46 | .2 | 10 | 4 | 304 | 1.68 | 5 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 32 | .23 | .032 | 13 | 12 | .26 | 125 | .03 | 2 | 1.80 | .01 | .04 | 2 | 2 |
| Bluewing area 10 Oct. 88 | 1 | 13 | 23 | 115 | .1 | 15 | 8 | 1481 | 2.67 | 12 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 42 | .46 | .061 | 18 | 21 | .40 | 167 | .05 | 2 | 1.00 | .03 | .10 | 1 | 3 |
| J 47401 | 1 | 20 | 8 | 150 | .1 | 13 | 6 | 939 | 2.50 | 7 | 18 | ND | 1 | 47 | 1 | 2 | 2 | 37 | .56 | .075 | 63 | 18 | .35 | 391 | .01 | 2 | 2.15 | .01 | .12 | 1 | 1 |
| J 47403 | 1 | 12 | 29 | 101 | .3 | 9 | 6 | 827 | 2.17 | 8 | 5 | ND | 1 | 25 | 2 | 2 | 2 | 40 | .37 | .048 | 19 | 15 | .28 | 134 | .04 | 2 | .85 | .01 | .07 | 1 | 1 |
| ✓ 51018 | 2 | 14 | 20 | 136 | .4 | 16 | 8 | 1409 | 2.99 | 12 | 5 | ND | 1 | 56 | 2 | 1 | 2 | 43 | .50 | .087 | 27 | 18 | .43 | 502 | .02 | 2 | 1.62 | .01 | .12 | 1 | 1 |
| ✓ 51020 | 2 | 18 | 20 | 156 | .4 | 15 | 8 | 1307 | 2.95 | 9 | 5 | ND | 1 | 74 | 1 | 2 | 2 | 43 | .67 | .100 | 31 | 19 | .39 | 494 | .02 | 2 | 1.91 | .01 | .10 | 1 | 1 |
| ✓ 51023 | 2 | 17 | 19 | 167 | .3 | 14 | 8 | 1569 | 2.87 | 14 | 5 | ND | 1 | 75 | 1 | 3 | 2 | 43 | .66 | .093 | 30 | 18 | .38 | 590 | .02 | 2 | 1.81 | .01 | .10 | 1 | 2 |
| ✓ 51027 | 2 | 17 | 24 | 157 | .3 | 13 | 6 | 1507 | 2.91 | 12 | 5 | ND | 1 | 56 | 1 | 3 | 2 | 42 | .54 | .096 | 27 | 17 | .38 | 497 | .02 | 2 | 1.75 | .01 | .11 | 1 | 1 |
| Sheet 4 ✓ 51030 | 2 | 13 | 23 | 150 | .1 | 13 | 10 | 2169 | 2.82 | 14 | 5 | ND | 1 | 34 | 1 | 2 | 2 | 35 | .36 | .083 | 25 | 14 | .42 | 393 | .02 | 2 | 1.33 | .02 | .15 | 1 | 2 |
| ✓ 51031 | 1 | 19 | 15 | 108 | .3 | 17 | 9 | 1139 | 2.97 | 11 | 5 | ND | 1 | 116 | 1 | 3 | 2 | 44 | .76 | .076 | 32 | 21 | .39 | 668 | .02 | 3 | 2.35 | .01 | .12 | 1 | 1 |
| ✓ 51032 | 3 | 16 | 22 | 179 | .2 | 14 | 8 | 1987 | 2.81 | 12 | 5 | ND | 1 | 44 | 1 | 2 | 2 | 39 | .46 | .068 | 25 | 17 | .37 | 531 | .02 | 2 | 1.59 | .01 | .10 | 1 | 1 |
| ✓ 51033 | 3 | 12 | 24 | 150 | .2 | 12 | 9 | 2184 | 2.62 | 11 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 34 | .38 | .080 | 23 | 14 | .39 | 503 | .02 | 3 | 1.34 | .02 | .13 | 1 | 1 |
| ✓ 51037 | 2 | 12 | 12 | 123 | .1 | 10 | 7 | 1571 | 2.42 | 8 | 5 | ND | 1 | 34 | 1 | 2 | 2 | 37 | .39 | .074 | 20 | 15 | .32 | 388 | .02 | 2 | 1.40 | .01 | .08 | 1 | 2 |
| ✓ 51039 | 3 | 11 | 23 | 132 | .3 | 12 | 7 | 970 | 2.34 | 10 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 37 | .35 | .060 | 18 | 17 | .31 | 315 | .01 | 2 | 1.88 | .01 | .08 | 1 | 1 |
| ✓ 51040 | 5 | 10 | 17 | 111 | .1 | 14 | 10 | 3229 | 2.53 | 10 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 35 | .29 | .061 | 20 | 18 | .30 | 259 | .02 | 2 | 1.00 | .02 | .10 | 2 | 1 |
| ✓ 51041 | 11 | 8 | 30 | 130 | .1 | 13 | 13 | 5454 | 3.01 | 13 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 39 | .31 | .062 | 22 | 17 | .32 | 364 | .02 | 2 | 1.25 | .02 | .10 | 2 | 1 |
| ✓ 51042 | 10 | 8 | 30 | 106 | .1 | 11 | 11 | 4209 | 2.96 | 14 | 5 | ND | 1 | 21 | 3 | 2 | 2 | 37 | .25 | .062 | 21 | 14 | .29 | 257 | .02 | 2 | 1.13 | .02 | .10 | 2 | 2 |
| Bluewing area | 1 | 12 | 23 | 95 | .1 | 11 | 6 | 940 | 2.15 | 5 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 40 | .37 | .043 | 19 | 17 | .27 | 135 | .04 | 2 | .84 | .01 | .07 | 1 | 1 |
| J 51045 | 1 | 12 | 22 | 95 | .1 | 10 | 6 | 971 | 2.22 | 9 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 41 | .41 | .058 | 21 | 15 | .28 | 151 | .04 | 2 | .89 | .01 | .08 | 1 | 1820 |
| J 51046 | 1 | 12 | 17 | 92 | .1 | 10 | 6 | 774 | 2.28 | 7 | 5 | ND | 1 | 23 | 1 | 2 | 2 | 44 | .36 | .048 | 18 | 17 | .26 | 125 | .04 | 2 | .85 | .01 | .07 | 2 | .17 |
| 10 Oct. 1988 LE | 1 | 12 | 18 | 77 | .1 | 11 | 7 | 927 | 1.98 | 7 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 37 | .33 | .039 | 16 | 15 | .25 | 123 | .04 | 2 | .72 | .01 | .06 | 1 | 8 |
| J 51048 | 1 | 19 | 21 | 81 | .1 | 12 | 8 | 941 | 2.29 | 8 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 43 | .35 | .041 | 14 | 17 | .30 | 133 | .05 | 3 | .88 | .02 | .08 | 2 | 1 |
| J 51049 | 1 | 10 | 24 | 84 | .1 | 9 | 6 | 1140 | 1.93 | 8 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 35 | .30 | .039 | 16 | 13 | .24 | 129 | .04 | 2 | .69 | .01 | .06 | 1 | 6 |
| J 51050 | 1 | 9 | 18 | 91 | .1 | 8 | 6 | 1195 | 1.97 | 4 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 38 | .26 | .038 | 15 | 13 | .21 | 117 | .04 | 2 | .60 | .01 | .06 | 2 | 67 |
| Sheet 4 5177p STD C/AU-3 | 5 | 15 | 26 | 207 | .3 | 13 | 7 | 1211 | 2.13 | 6 | 21 | ND | 1 | 55 | 1 | 2 | 2 | 31 | .67 | .084 | 31 | 20 | .29 | 348 | .01 | 2 | 1.90 | .02 | .10 | 1 | 4 |
| | 17 | 54 | 44 | 132 | 6.7 | 67 | 29 | 1050 | 4.01 | 41 | 18 | 8 | 37 | 47 | 20 | 17 | 22 | 57 | .47 | .096 | 38 | 55 | .85 | 175 | .07 | 34 | 1.90 | .06 | .14 | 11 | 51 |

see 8810-030
run twice?

Silt n=25

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Au* |
|------------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----------------|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | % | PPM | PPB |
| Sheet 4 47395 | 3 | 8 | 2 | 31 | .1 | 1 | 1 | 50 | .60 | 14 | 5 | ND | 5 | 12 | 1 | 2 | 2 | 1 | .03 | .002 | 13 | 1 | .01 | 327 | .01 | 4 | .21 | .02 | .04 | 1 | 110 |
| 47396 * | 1 | 25 | 4 | 71 | .1 | 11 | 10 | 670 | 3.72 | 3 | 5 | ND | 2 | 61 | 2 | 2 | 2 | 71 | 2.20 | .131 | 10 | 23 | .102 | 80 | .03 | 2 | .64 | .05 | .08 | 1 | 1 |
| 47397 | 1 | 20 | 5 | 37 | .1 | 31 | 9 | 187 | 4.06 | 11 | 5 | ND | 1 | 50 | 1 | 2 | 2 | 105 | .83 | .245 | 24 | 23 | .68 | 100 | .13 | 3 | .71 | .06 | .28 | 1 | 1 |
| 47398 | 2 | 6 | 11 | 25 | .3 | 2 | 1 | 121 | .80 | 9 | 5 | ND | 8 | 12 | 1 | 2 | 2 | 4 | .04 | .011 | 25 | 5 | .09 | 261 | .01 | 2 | .32 | .03 | .04 | 2 | 1 |
| 51022 | 1 | 2 | 8 | 16 | .1 | 1 | 1 | 380 | .85 | 2 | 5 | ND | 10 ² | 6 | 1 | 2 | 2 | 1 | .07 | .006 | 33 | 1 | .02 | 60 | .01 | 2 | .27 | .02 | .13 | 1 | 2 |
| 51025 | 5 | 2 | 12 | 25 | .3 | 1 | 1 | 220 | .31 | 4 | 5 | ND | 9 | 4 | 1 | 2 | 2 | 1 | .03 | .006 | 31 | 1 | .02 | 82 | .01 | 2 | .23 | .01 | .14 | 2 | 1 |
| 51028 | 1 | 6 | 9 | 35 | .1 | 5 | 2 | 555 | .77 | 2 | 5 | ND | 4 | 16 | 1 | 2 | 2 | 5 | .18 | .018 | 22 | 3 | .05 | 159 | .01 | 2 | .39 | .03 | .16 | 1 | 1 |
| 51035 | 1 | 8 | 9 | 67 | .1 | 7 | 5 | 800 | 2.10 | 2 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 17 | .74 | .055 | 22 | 9 | .34 | 146 | .01 | 3 | 1.04 | .02 | .15 | 1 | 1 |
| 51038 | 3 | 2 | 7 | 15 | .1 | 1 | 1 | 100 | .65 | 2 | 5 | ND | 10 ² | 3 | 1 | 2 | 2 | 2 | .03 | .006 | 13 | 1 | .03 | 41 | .01 | 2 | .21 | .03 | .09 | 1 | 1 |
| STD C/AD-R | 18 | 58 | 43 | 132 | 6.8 | 68 | 23 | 1046 | 4.04 | 41 | 20 | 8 | 36 | 47 | 18 | 17 | 23 | 58 | .48 | .036 | 38 | 57 | .89 | 172 | .07 | 33 | 1.35 | .06 | .14 | 12 | 510 |

* N of Sheet 4

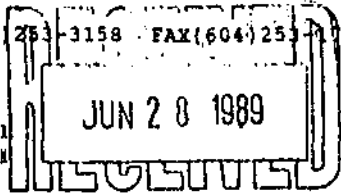
Rock n=9

S = soil R = rock S-2 = soil - map sheet 2 (skel top half)

Ootsa (ML)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1116

GEOCHEMICAL ANALYSIS CERTIFICATE



TCP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-1 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR NH FE BR CA P LA CR NG BA YI B V AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1-P6 SOIL P7 SILT P8 ROCK ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 19 1989 DATE REPORT MAILED: June 23/89 SIGNED BY: C. Long, D. TOYE, C. IRONG, J. WANG, C. BÉTHÉLÉ

NORANDA EXPLORATION CO. LTD. PROJECT 8906-070 2602 File # 89-1598 Page 1

| SAMPLE# | Mo | Cr | Pb | Zn | Ag | Ni | Co | Mn | Fe | Al | U | As | Th | Sr | Cd | Sb | Bi | V | Cu | P | La | Cr | Hg | Ba | Tl | B | Al | Na | K | V | As* |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | % | PPM | PPM |
| 10720 | 2 | 14 | 17 | 123 | .2 | 9 | 5 | 321 | 2.35 | 6 | 5 | ND | 1 | 24 | 1 | 2 | 31 | .24 | .040 | 13 | 17 | .17 | 153 | .03 | 2 | 1.95 | .01 | .00 | 1 | 2 | |
| 10727 | 2 | 11 | 20 | 60 | .1 | 3 | 4 | 160 | 2.06 | 12 | 5 | ND | 1 | 11 | 1 | 2 | 3 | 13 | .10 | .076 | 12 | 16 | .23 | 65 | .04 | 5 | 2.53 | .01 | .05 | 1 | 4 |
| 10728 | 2 | 19 | 18 | 74 | .1 | 5 | 4 | 185 | 2.29 | 10 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 35 | .20 | .035 | 14 | 15 | .27 | 140 | .03 | 2 | 1.99 | .01 | .05 | 1 | 1 |
| 10729 | 2 | 13 | 24 | 115 | .3 | 6 | 6 | 350 | 3.01 | 14 | 5 | ND | 1 | 17 | 1 | 2 | 3 | 50 | .20 | .109 | 12 | 17 | .33 | 93 | .04 | 2 | 2.27 | .01 | .06 | 1 | 2 |
| 10730 | 2 | 13 | 17 | 80 | .3 | 4 | 5 | 225 | 2.92 | 7 | 5 | ND | 1 | 12 | 1 | 2 | 3 | 43 | .10 | .077 | 12 | 15 | .29 | 65 | .02 | 2 | 2.35 | .01 | .05 | 1 | 1 |
| 10731 | 2 | 14 | 19 | 131 | .3 | 8 | 6 | 278 | 3.64 | 11 | 5 | ND | 1 | 14 | 1 | 2 | 3 | 50 | .39 | .084 | 13 | 19 | .43 | 96 | .04 | 2 | 2.18 | .01 | .06 | 1 | 1 |
| 10732 | 2 | 24 | 23 | 96 | .6 | 5 | 4 | 210 | 2.66 | 11 | 5 | ND | 1 | 14 | 1 | 2 | 3 | 36 | .12 | .043 | 17 | 15 | .20 | 103 | .03 | 2 | 2.31 | .01 | .05 | 1 | 2 |
| 10733 | 1 | 12 | 14 | 69 | .1 | 4 | 5 | 240 | 2.27 | 4 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 30 | .12 | .030 | 14 | 16 | .17 | 75 | .06 | 2 | 2.02 | .01 | .05 | 1 | 1 |
| 10734 | 2 | 17 | 13 | 69 | .1 | 6 | 4 | 291 | 2.00 | 4 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 31 | .29 | .063 | 16 | 16 | .32 | 81 | .00 | 2 | 1.22 | .01 | .04 | 1 | 5 |
| 10735 | 3 | 11 | 21 | 103 | .4 | 10 | 5 | 295 | 2.25 | 4 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 37 | .16 | .029 | 12 | 20 | .60 | 99 | .05 | 2 | 2.00 | .01 | .06 | 1 | 1 |
| 10736 | 2 | 14 | 15 | 90 | .1 | 8 | 5 | 479 | 2.70 | 9 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 37 | .17 | .095 | 14 | 16 | .33 | 100 | .02 | 4 | 2.12 | .01 | .05 | 1 | 3 |
| 10737 | 2 | 10 | 22 | 122 | .6 | 10 | 7 | 320 | 3.06 | 5 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 46 | .17 | .069 | 12 | 20 | .61 | 112 | .03 | 6 | 2.06 | .01 | .09 | 1 | 1 |
| 10738 | 3 | 14 | 17 | 132 | .2 | 11 | 8 | 485 | 2.82 | 7 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 47 | .35 | .039 | 14 | 20 | .74 | 140 | .03 | 4 | 2.48 | .01 | .10 | 1 | 3 |
| 10739 | 3 | 14 | 16 | 136 | .1 | 8 | 7 | 546 | 2.28 | 6 | 5 | ND | 1 | 23 | 1 | 2 | 3 | 36 | .26 | .043 | 15 | 16 | .18 | 111 | .03 | 10 | 1.85 | .01 | .06 | 1 | 3 |
| 10740 | 2 | 15 | 10 | 91 | .1 | 9 | 6 | 291 | 2.15 | 4 | 5 | ND | 1 | 17 | 1 | 2 | 3 | 35 | .16 | .042 | 16 | 18 | .51 | 115 | .04 | 2 | 2.19 | .01 | .06 | 1 | 4 |
| 10741 | 2 | 36 | 20 | 160 | .7 | 16 | 11 | 401 | 4.01 | 7 | 5 | ND | 2 | 40 | 1 | 2 | 2 | 59 | 1.05 | .206 | 34 | 28 | .62 | 385 | .01 | 2 | 5.81 | .01 | .19 | 1 | 1 |
| 10742 | 5 | 22 | 20 | 160 | .3 | 13 | 8 | 506 | 2.77 | 17 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 49 | .36 | .065 | 14 | 22 | .48 | 190 | .02 | 10 | 2.67 | .01 | .00 | 1 | 3 |
| 10743 | 3 | 11 | 23 | 123 | .3 | 8 | 7 | 506 | 2.26 | 9 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 40 | .24 | .043 | 14 | 16 | .39 | 136 | .03 | 3 | 1.87 | .01 | .05 | 1 | 1 |
| 10744 | 1 | 24 | 16 | 136 | .6 | 8 | 5 | 273 | 2.06 | 3 | 5 | ND | 1 | 23 | 1 | 2 | 3 | 31 | .25 | .026 | 13 | 17 | .53 | 98 | .04 | 4 | 1.99 | .01 | .05 | 1 | 3 |
| 10745 | 2 | 14 | 21 | 132 | .2 | 11 | 8 | 513 | 2.55 | 6 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 43 | .31 | .032 | 16 | 18 | .38 | 98 | .04 | 3 | 1.96 | .01 | .07 | 1 | 6 |
| 10746 | 4 | 20 | 22 | 121 | .3 | 13 | 11 | 481 | 3.12 | 19 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 59 | .36 | .046 | 25 | 22 | .53 | 153 | .03 | 7 | 2.27 | .01 | .07 | 1 | 2 |
| 10747 | 2 | 16 | 16 | 164 | .5 | 10 | 10 | 483 | 2.56 | 10 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 43 | .31 | .040 | 18 | 19 | .44 | 112 | .03 | 9 | 1.96 | .01 | .06 | 1 | 1 |
| 10748 | 2 | 14 | 22 | 132 | .5 | 8 | 6 | 424 | 2.23 | 7 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 37 | .37 | .047 | 16 | 16 | .41 | 129 | .02 | 3 | 2.07 | .01 | .07 | 1 | 2 |
| 10749 | 2 | 17 | 23 | 122 | .2 | 8 | 6 | 383 | 2.39 | 5 | 5 | ND | 1 | 23 | 1 | 2 | 1 | 37 | .27 | .051 | 15 | 17 | .44 | 121 | .02 | 6 | 2.14 | .01 | .07 | 1 | 1 |
| 10750 | 2 | 22 | 20 | 101 | .1 | 9 | 5 | 406 | 2.40 | 7 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 42 | .43 | .061 | 19 | 18 | .37 | 136 | .06 | 2 | 2.56 | .01 | .07 | 1 | 2 |
| 100376 | 1 | 12 | 21 | 123 | .4 | 7 | 5 | 307 | 2.82 | 8 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 42 | .26 | .115 | 11 | 16 | .31 | 89 | .02 | 7 | 2.45 | .01 | .05 | 1 | 1 |
| 100377 | 2 | 8 | 16 | 84 | .2 | 4 | 4 | 155 | 3.04 | 8 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 46 | .15 | .053 | 11 | 14 | .19 | 106 | .02 | 3 | 1.75 | .01 | .05 | 1 | 3 |
| 100378 | 2 | 9 | 14 | 192 | .4 | 7 | 5 | 249 | 2.71 | 10 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 38 | .10 | .093 | 12 | 16 | .27 | 79 | .04 | 9 | 2.45 | .01 | .04 | 1 | 1 |
| 100379 | 2 | 8 | 16 | 103 | .3 | 6 | 5 | 203 | 2.83 | 5 | 6 | ND | 3 | 14 | 1 | 2 | 2 | 42 | .12 | .110 | 11 | 15 | .26 | 77 | .04 | 2 | 2.07 | .01 | .04 | 1 | 2 |
| 100380 | 2 | 8 | 12 | 75 | .1 | 6 | 4 | 194 | 2.06 | 5 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 33 | .20 | .031 | 13 | 13 | .30 | 101 | .04 | 7 | 1.25 | .01 | .04 | 1 | 2 |
| 100381 | 3 | 9 | 20 | 92 | .2 | 6 | 4 | 158 | 3.43 | 11 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 48 | .14 | .112 | 12 | 15 | .22 | 78 | .03 | 8 | 2.46 | .01 | .04 | 1 | 1 |
| 100382 | 2 | 12 | 17 | 97 | .2 | 13 | 7 | 294 | 3.13 | 7 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 50 | .19 | .045 | 13 | 20 | .36 | 159 | .03 | 2 | 2.39 | .01 | .06 | 1 | 2 |
| 100383 | 2 | 10 | 18 | 116 | .2 | 6 | 4 | 182 | 3.03 | 7 | 5 | ND | 3 | 14 | 1 | 2 | 2 | 45 | .15 | .135 | 13 | 15 | .24 | 70 | .04 | 2 | 2.23 | .01 | .06 | 1 | 2 |
| 100384 | 2 | 12 | 19 | 103 | .2 | 6 | 5 | 220 | 2.51 | 2 | 5 | ND | 2 | 20 | 1 | 2 | 3 | 40 | .22 | .038 | 13 | 14 | .31 | 103 | .04 | 8 | 1.63 | .01 | .05 | 1 | 1 |
| 100385 | 2 | 9 | 10 | 100 | .2 | 7 | 5 | 191 | 3.21 | 9 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 54 | .17 | .036 | 18 | 16 | .26 | 87 | .04 | 2 | 1.43 | .01 | .06 | 1 | 1 |
| 100386 | 4 | 10 | 19 | 77 | .1 | 7 | 5 | 213 | 2.62 | 2 | 5 | ND | 2 | 1 | 1 | 2 | 2 | 44 | .20 | .038 | 12 | 14 | .25 | 103 | .04 | 2 | 1.56 | .01 | .04 | 1 | 1 |
| STD C/AU-5 | 10 | 62 | 45 | 332 | 6.8 | 68 | 30 | 967 | 4.16 | 41 | 22 | 7 | 38 | 5 | 8 | 15 | 20 | 58 | .52 | .089 | 39 | 53 | .95 | 180 | .07 | 36 | 2.02 | .06 | .13 | 12 | |

Copy to Del

NORANDA EXPLORATION CO. LTD. PROJECT 8906-070 260 FILE # 89-1598

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | H | Sr | Th | U | Bi | V | Ca | P | La | Cr | Mg | Ba | Tl | B | Al | Ka | K | V | Au* | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|------|----|-----|-----|-----|-----|----|------|-----|-----|----|----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | PPM | PPM | | | |
| 100387 | 3 | 7 | 19 | 116 | .1 | 5 | 5 | 159 | 3.12 | 8 | 5 | ND | 2 | 9 | 1 | 2 | 2 | 42 | .09 | .059 | 10 | 14 | .23 | 84 | .01 | 3 | 2.10 | .01 | .03 | 1 | 1 |
| 100388 | 3 | 12 | 22 | 140 | .3 | 6 | 5 | 394 | 2.07 | 2 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 31 | .21 | .025 | 10 | 12 | .33 | 95 | .01 | 4 | 1.71 | .01 | .04 | 1 | 2 |
| 100389 | 1 | 9 | 14 | 119 | .1 | 6 | 5 | 219 | 2.65 | 4 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 45 | .19 | .932 | 11 | 14 | .33 | 96 | .05 | 5 | 1.46 | .01 | .03 | 1 | 3 |
| 100390 | 1 | 8 | 19 | 126 | .1 | 7 | 6 | 509 | 1.80 | 2 | 5 | ND | 1 | 21 | 1 | 2 | 6 | 30 | .20 | .015 | 14 | 12 | .36 | 117 | .01 | 2 | 1.54 | .01 | .04 | 1 | 1 |
| 100391 | 2 | 8 | 23 | 91 | .1 | 6 | 5 | 192 | 3.31 | 8 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 44 | .11 | .050 | 11 | 14 | .30 | 89 | .05 | 2 | 1.97 | .01 | .03 | 1 | 1 |
| 100392 | 1 | 6 | 16 | 65 | .1 | 3 | 3 | 133 | 1.66 | 2 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 28 | .11 | .020 | 12 | 9 | .19 | 99 | .05 | 3 | 1.10 | .01 | .03 | 1 | 2 |
| 100393 | 1 | 10 | 20 | 99 | .1 | 8 | 6 | 236 | 2.77 | 8 | 5 | ND | 3 | 11 | 1 | 2 | 4 | 43 | .09 | .050 | 10 | 17 | .33 | 93 | .05 | 2 | 2.37 | .01 | .04 | 1 | 2 |
| 100394 | 1 | 12 | 17 | 134 | .2 | 8 | 6 | 180 | 2.74 | 10 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 37 | .14 | .070 | 15 | 15 | .26 | 121 | .04 | 4 | 2.94 | .01 | .04 | 1 | 2 |
| 100395 | 1 | 6 | 15 | 78 | .1 | 6 | 4 | 254 | 1.80 | 3 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 31 | .17 | .016 | 13 | 11 | .30 | 91 | .04 | 4 | 1.21 | .01 | .03 | 1 | 1 |
| 100396 | 1 | 11 | 24 | 152 | .3 | 8 | 6 | 221 | 2.63 | 8 | 5 | ND | 3 | 9 | 1 | 2 | 2 | 37 | .16 | .099 | 11 | 14 | .24 | 124 | .04 | 6 | 2.67 | .01 | .06 | 1 | 1 |
| 100397 | 1 | 10 | 22 | 135 | .3 | 6 | 5 | 194 | 2.40 | 8 | 5 | ND | 3 | 10 | 1 | 3 | 2 | 37 | .10 | .058 | 13 | 13 | .21 | 89 | .04 | 2 | 1.85 | .01 | .04 | 1 | 3 |
| 100398 | 2 | 9 | 24 | 105 | .3 | 6 | 5 | 190 | 2.84 | 11 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 39 | .09 | .076 | 12 | 14 | .25 | 106 | .03 | 2 | 2.16 | .01 | .04 | 1 | 4 |
| 100399 | 1 | 9 | 22 | 114 | .1 | 9 | 6 | 219 | 1.70 | 10 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 37 | .13 | .327 | 13 | 14 | .24 | 93 | .04 | 6 | 2.16 | .01 | .04 | 1 | 1 |
| 100400 | 2 | 12 | 22 | 120 | .2 | 9 | 6 | 194 | 2.81 | 7 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 38 | .12 | .072 | 12 | 15 | .27 | 107 | .04 | 5 | 2.77 | .01 | .04 | 1 | 1 |
| 100401 | 1 | 10 | 27 | 120 | .1 | 12 | 8 | 597 | 3.00 | 13 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 49 | .16 | .057 | 13 | 10 | .35 | 80 | .06 | 8 | 1.69 | .01 | .05 | 1 | 6 |
| 5-2 100402 | 6 | 14 | ND | 125 | .1 | 12 | 11 | 442 | 1.86 | 17 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 59 | .25 | .074 | 15 | 14 | .43 | 170 | .02 | 3 | 2.40 | .01 | .06 | 1 | 3 |
| 100403 | 1 | 17 | 22 | 102 | .1 | 13 | 9 | 441 | 1.22 | 8 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 50 | .14 | .098 | 11 | 20 | .43 | 93 | .05 | 7 | 2.66 | .01 | .05 | 1 | 1 |
| 100404 | 2 | 15 | 21 | 124 | .4 | 13 | 6 | 274 | 2.69 | 8 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 40 | .13 | .090 | 10 | 19 | .36 | 72 | .03 | 2 | 2.83 | .01 | .05 | 1 | 3 |
| 100405 | 1 | 14 | 27 | 70 | .1 | 5 | 3 | 142 | 1.02 | 10 | 5 | ND | 5 | 26 | 1 | 2 | 2 | 40 | .27 | .005 | 20 | 15 | .21 | 170 | .04 | 2 | 1.40 | .01 | .03 | 1 | 4 |
| 100406 | 1 | 13 | 10 | 93 | .1 | 7 | 6 | 447 | 1.66 | 8 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 42 | .19 | .121 | 12 | 15 | .27 | 96 | .04 | 3 | 2.04 | .01 | .04 | 1 | 1 |
| 100408 | 1 | 14 | 20 | 100 | .1 | 11 | 8 | 346 | 2.89 | 11 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 44 | .13 | .112 | 11 | 10 | .33 | 70 | .04 | 6 | 2.65 | .01 | .04 | 1 | 1 |
| 100409 | 1 | 13 | 20 | 41 | .2 | 9 | 1 | 225 | 1.89 | 4 | 5 | ND | 1 | 19 | 1 | 3 | 3 | 33 | .19 | .043 | 12 | 14 | .35 | 105 | .03 | 7 | 1.62 | .01 | .06 | 1 | 1 |
| 100410 | 1 | 10 | 10 | 104 | .1 | 11 | 6 | 284 | 2.39 | 6 | 5 | ND | 1 | 16 | 1 | 2 | 3 | 38 | .17 | .055 | 12 | 10 | .30 | 115 | .03 | 4 | 2.50 | .01 | .06 | 1 | 1 |
| 100411 | 1 | 17 | 20 | 85 | .1 | 13 | 8 | 733 | 2.67 | 9 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 46 | .24 | .041 | 17 | 21 | .41 | 134 | .07 | 6 | 1.84 | .01 | .05 | 1 | 3 |
| 100412 | 3 | 21 | 25 | 111 | .1 | 13 | 8 | 542 | 3.24 | 19 | 5 | ND | 2 | 16 | 1 | 3 | 2 | 53 | .19 | .079 | 19 | 21 | .45 | 113 | .05 | 4 | 2.43 | .01 | .06 | 1 | 2 |
| 100413 | 2 | 16 | 20 | 76 | .1 | 10 | 7 | 427 | 2.74 | 8 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 46 | .23 | .043 | 15 | 10 | .36 | 126 | .05 | 5 | 2.01 | .01 | .05 | 1 | 1 |
| 100414 | 1 | 9 | 10 | 151 | .2 | 7 | 5 | 215 | 2.69 | 5 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 37 | .21 | .061 | 17 | 17 | .23 | 85 | .03 | 2 | 2.82 | .01 | .04 | 1 | 1 |
| 100415 | 1 | 10 | 16 | 82 | .1 | 7 | 5 | 529 | 2.24 | 7 | 5 | ND | 1 | 8 | 1 | 3 | 2 | 36 | .12 | .106 | 13 | 14 | .20 | 60 | .04 | 5 | 1.55 | .01 | .03 | 1 | 1 |
| 100416 | 5 | 9 | 10 | 58 | .1 | 8 | 6 | 369 | 2.27 | 6 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 41 | .21 | .019 | 12 | 16 | .31 | 91 | .04 | 5 | 1.42 | .01 | .03 | 1 | 1 |
| 100417 | 1 | 14 | 22 | 80 | .1 | 9 | 6 | 439 | 2.64 | 8 | 5 | ND | 3 | 10 | 1 | 2 | 2 | 44 | .11 | .072 | 11 | 16 | .28 | 92 | .04 | 4 | 1.72 | .01 | .04 | 1 | 1 |
| 100418 | 1 | 11 | 10 | 74 | .1 | 10 | 7 | 317 | 2.82 | 7 | 5 | ND | 2 | 13 | 1 | 3 | 2 | 47 | .12 | .057 | 12 | 10 | .27 | 106 | .04 | 7 | 2.05 | .01 | .04 | 1 | 1 |
| 100419 | 2 | 21 | 10 | 48 | .2 | 13 | 8 | 535 | 2.84 | 3 | 5 | ND | 1 | 29 | 1 | 3 | 2 | 45 | .43 | .048 | 10 | 19 | .42 | 200 | .02 | 3 | 2.00 | .01 | .07 | 1 | 3 |
| 100420 | 1 | 14 | 17 | 73 | .1 | 12 | 7 | 501 | 2.60 | 4 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 46 | .32 | .040 | 10 | 10 | .38 | 94 | .05 | 5 | 1.53 | .01 | .05 | 1 | 1 |
| 100421 | 1 | 12 | 10 | 72 | .1 | 10 | 6 | 232 | 2.54 | 9 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 41 | .19 | .053 | 15 | 19 | .20 | 131 | .05 | 3 | 2.01 | .01 | .05 | 1 | 2 |
| 5-2 100422 | 1 | 10 | 10 | 83 | .2 | 11 | 8 | 666 | 2.67 | 7 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 48 | .18 | .080 | 12 | 10 | .33 | 111 | .04 | 4 | 2.13 | .01 | .05 | 1 | 1 |
| 100423 | 1 | 13 | 20 | 96 | .1 | 10 | 7 | 572 | 2.66 | 6 | 5 | ND | 1 | 17 | 1 | 2 | 6 | 43 | .16 | .049 | 13 | 19 | .27 | 120 | .04 | 6 | 1.93 | .01 | .04 | 1 | 1 |
| STD C/AU-5 | 10 | 40 | 42 | 132 | 7.1 | 67 | 31 | 987 | 4.10 | 40 | 17 | 6 | 36 | 49 | 10 | 14 | 21 | 58 | .51 | .086 | 30 | 56 | .92 | 177 | .07 | 33 | 1.97 | .06 | .14 | 11 | 19 |

| SAMPLE | Mo PPH | Cu PPH | Pb PPH | Zn PPH | Ag PPH | Ni PPH | Co PPH | Mn PPH | Fe % | Al PPH | U PPH | K PPH | Ca PPH | Mg PPH | Sr PPH | Si PPH | V PPH | Cr % | P % | La PPH | Pr PPH | Nd % | Sm PPH | Eu % | Gd % | Hf % | Ta % | W PPH | As PPH | Sb PPH | |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|---------|---------|---------|----------|-----------|-----------|----|
| 100424 | 1 | 10 | 14 | 79 | .1 | 8 | 5 | 276 | 2.35 | 7 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 37 | .11 | .081 | 10 | 16 | .23 | 74 | .03 | 2 | 1.96 | .01 | .03 | 1 | 2 |
| 100425 | 1 | 13 | 17 | 66 | .1 | 8 | 5 | 434 | 2.36 | 4 | 5 | ND | 5 | 16 | 1 | 2 | 2 | 35 | .15 | .041 | 34 | 15 | .27 | 169 | .01 | 3 | 1.73 | .01 | .01 | 1 | 2 |
| 100426 | 1 | 12 | 15 | 87 | .1 | 8 | 5 | 202 | 2.63 | 5 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 40 | .10 | .091 | 10 | 16 | .26 | 73 | .03 | 2 | 2.45 | .01 | .03 | 1 | 3 |
| 100427 | 1 | 13 | 13 | 81 | .3 | 8 | 6 | 173 | 2.47 | 6 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 40 | .12 | .071 | 10 | 17 | .29 | 62 | .04 | 3 | 2.00 | .01 | .01 | 1 | 5 |
| 100428 | 1 | 11 | 19 | 123 | .1 | 8 | 5 | 275 | 2.55 | 3 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 38 | .12 | .091 | 10 | 16 | .25 | 75 | .03 | 3 | 2.38 | .01 | .01 | 1 | 6 |
| 100429 | 1 | 12 | 11 | 74 | .1 | 7 | 6 | 133 | 2.55 | 7 | 5 | ND | 1 | 11 | 1 | 2 | 2 | 42 | .15 | .096 | 8 | 17 | .28 | 63 | .03 | 3 | 2.12 | .01 | .03 | 1 | 1 |
| 100430 | 2 | 11 | 11 | 108 | .3 | 9 | 5 | 293 | 2.97 | 7 | 5 | ND | 1 | 10 | 1 | 3 | 3 | 40 | .19 | .058 | 13 | 17 | .33 | 117 | .03 | 2 | 2.01 | .01 | .01 | 1 | 4 |
| 100431 | 5-2 | 11 | 17 | 91 | .6 | 3 | 12 | 5.63 | 26 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 2 | 34 | .10 | .167 | 10 | 9 | .11 | 106 | .01 | 3 | 1.83 | .01 | .05 | 1 | 6 |
| 100432 | 9 | 14 | 134 | .3 | 7 | 9 | 9 | 913 | 5.22 | 21 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 81 | .14 | .084 | 15 | 15 | .23 | 106 | .01 | 2 | 2.13 | .01 | .07 | 1 | 1 |
| 100433 | 2 | 8 | 18 | 56 | .2 | 3 | 3 | 122 | 1.80 | 12 | 5 | ND | 1 | 9 | 1 | 3 | 2 | 24 | .04 | .026 | 14 | 9 | .13 | 60 | .01 | 2 | 1.23 | .01 | .03 | 1 | 7 |
| 100434 | 3 | 21 | 23 | 107 | .3 | 5 | 6 | 277 | 2.21 | 9 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 30 | .10 | .020 | 16 | 13 | .29 | 77 | .01 | 5 | 1.48 | .01 | .05 | 1 | 5 |
| 100435 | 5-2 | 18 | 108 | .5 | 8 | 7 | 1986 | 2.69 | 18 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 2 | 26 | .15 | .020 | 16 | 12 | .31 | 176 | .02 | 2 | 1.73 | .01 | .06 | 1 | 4 |
| 100436 | 2 | 12 | 21 | 101 | .2 | 6 | 5 | 264 | 2.10 | 10 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 30 | .08 | .021 | 13 | 11 | .31 | 68 | .01 | 5 | 1.67 | .01 | .05 | 1 | 8 |
| 100437 | 2 | 19 | 17 | 108 | .1 | 8 | 5 | 271 | 2.24 | 9 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 32 | .23 | .041 | 16 | 14 | .36 | 79 | .05 | 3 | 1.68 | .01 | .06 | 1 | 5 |
| 100438 | 2 | 15 | 23 | 98 | .1 | 6 | 5 | 204 | 2.31 | 18 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 30 | .12 | .025 | 13 | 13 | .31 | 69 | .02 | 2 | 2.03 | .01 | .04 | 1 | 7 |
| 100439 | 2 | 15 | 22 | 94 | .2 | 6 | 5 | 202 | 2.77 | 15 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 31 | .09 | .036 | 12 | 11 | .27 | 66 | .02 | 2 | 2.18 | .01 | .04 | 1 | 2 |
| 100440 | 1 | 12 | 19 | 87 | .1 | 6 | 5 | 200 | 2.08 | 12 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 28 | .08 | .028 | 13 | 12 | .27 | 89 | .02 | 2 | 1.92 | .01 | .04 | 1 | 4 |
| 100441 | 1 | 16 | 16 | 98 | .4 | 6 | 4 | 190 | 2.05 | 12 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 27 | .11 | .031 | 13 | 13 | .29 | 75 | .02 | 2 | 2.24 | .01 | .04 | 1 | 9 |
| 100442 | 1 | 11 | 17 | 116 | .2 | 7 | 5 | 211 | 2.18 | 10 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 31 | .09 | .023 | 11 | 18 | .39 | 67 | .02 | 2 | 1.80 | .01 | .04 | 1 | 3 |
| 100443 | 6 | 15 | 18 | 112 | .5 | 7 | 5 | 288 | 2.02 | 9 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 29 | .21 | .041 | 12 | 13 | .27 | 84 | .03 | 2 | 1.31 | .01 | .04 | 1 | 1 |
| 100444 | 8 | 16 | 16 | 94 | .3 | 6 | 5 | 204 | 2.33 | 8 | 5 | ND | 1 | 13 | 1 | 2 | 3 | 31 | .19 | .024 | 15 | 12 | .21 | 121 | .02 | 2 | 1.63 | .01 | .03 | 1 | 1 |
| 100445 | 3 | 8 | 18 | 48 | .1 | 6 | 3 | 147 | 2.23 | 9 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 31 | .10 | .017 | 6 | 9 | .18 | 53 | .03 | 3 | .97 | .01 | .02 | 2 | 2 |
| 100446 | 2 | 8 | 20 | 59 | .1 | 2 | 3 | 92 | 2.38 | 12 | 5 | ND | 1 | 6 | 1 | 2 | 3 | 34 | .08 | .051 | 9 | 12 | .14 | 39 | .01 | 2 | 1.39 | .01 | .03 | 1 | 5 |
| 100447 | 2 | 10 | 18 | 83 | .1 | 3 | 6 | 113 | 2.28 | 18 | 5 | ND | 2 | 7 | 1 | 2 | 3 | 32 | .06 | .033 | 12 | 12 | .14 | 52 | .02 | 2 | 2.25 | .01 | .02 | 1 | 3 |
| 100448 | 1 | 10 | 13 | 113 | .1 | 5 | 4 | 174 | 1.86 | 6 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 30 | .13 | .019 | 12 | 12 | .29 | 69 | .02 | 3 | 1.43 | .01 | .03 | 1 | 4 |
| 100449 | 5 | 27 | 108 | .4 | 9 | 13 | 1114 | 3.39 | 15 | 5 | ND | 1 | 19 | 1 | 3 | 2 | 50 | .18 | .065 | 14 | 16 | .38 | 161 | .01 | 3 | 2.76 | .01 | .08 | 1 | 1 | |
| 100450 | 1 | 12 | 15 | 143 | .4 | 7 | 5 | 277 | 2.10 | 7 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 29 | .10 | .025 | 10 | 12 | .34 | 95 | .02 | 5 | 1.79 | .01 | .05 | 1 | 2 |
| 100451 | 2 | 11 | 19 | 117 | .3 | 5 | 6 | 163 | 2.38 | 14 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 32 | .09 | .049 | 10 | 12 | .23 | 60 | .02 | 2 | 1.96 | .01 | .04 | 1 | 3 |
| 100452 | 2 | 13 | 26 | 138 | .3 | 6 | 9 | 868 | 2.81 | 7 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 31 | .15 | .038 | 13 | 11 | .26 | 181 | .01 | 2 | 1.66 | .01 | .05 | 1 | 4 |
| 100453 | 1 | 13 | 15 | 109 | .4 | 8 | 4 | 181 | 2.03 | 8 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 32 | .16 | .021 | 9 | 13 | .33 | 81 | .02 | 9 | 1.59 | .01 | .04 | 1 | 4 |
| 100454 | 1 | 13 | 16 | 119 | .5 | 5 | 4 | 157 | 2.29 | 7 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 34 | .13 | .023 | 10 | 12 | .25 | 76 | .02 | 3 | 1.66 | .01 | .06 | 1 | 5 |
| 100455 | 2 | 11 | 16 | 120 | .6 | 5 | 5 | 212 | 2.28 | 6 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 30 | .13 | .036 | 14 | 12 | .26 | 91 | .02 | 2 | 1.71 | .01 | .04 | 1 | 4 |
| 100456 | 2 | 22 | 15 | 161 | .7 | 7 | 5 | 212 | 2.56 | 14 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 35 | .19 | .028 | 14 | 13 | .29 | 86 | .03 | 4 | 2.01 | .01 | .04 | 1 | 6 |
| 100457 | 1 | 14 | 20 | 138 | .5 | 11 | 7 | 246 | 3.65 | 19 | 5 | ND | 1 | 14 | 1 | 2 | 1 | 65 | .14 | .114 | 7 | 17 | .31 | 105 | .02 | 2 | 2.22 | .01 | .04 | 1 | 6 |
| 100458 | 1 | 16 | 18 | 119 | .2 | 6 | 6 | 188 | 2.47 | 18 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 36 | .11 | .030 | 11 | 13 | .30 | 78 | .02 | 6 | 1.93 | .01 | .05 | 1 | 7 |
| 100459 | 3 | 19 | 14 | 187 | .4 | 7 | 5 | 175 | 4.07 | 19 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 46 | .18 | .034 | 11 | 15 | .23 | 70 | .01 | 2 | 2.21 | .01 | .03 | 1 | 4 |
| STD C/30-9 | 17 | 60 | 37 | 132 | 7.2 | 60 | 31 | 935 | 4.10 | 12 | 18 | 7 | 36 | 88 | 18 | 16 | 18 | 57 | .52 | .987 | 38 | 55 | .93 | 175 | .06 | 34 | 1.98 | .06 | .14 | 12 | 58 |

NORANDA EXPLORATION CO. LTD. PROJECT 8906-070 260 FILE # 89-1598

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | NI | Co | Mn | Fe | As | V | Ni | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Tl | B | Al | Mu | Z | V | Au* |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
| PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | PPM | PPM | |
| 5-1-100460 | 5 | 75 | 187 | 187 | .6 | 8 | 5 | 268 | 3.32 | 12 | 5 | ND | 4 | 12 | 1 | 2 | 2 | 43 | .11 | .018 | 17 | 17 | .40 | 104 | .03 | 4 | 2.22 | .01 | .06 | 1 | 2 |
| 5-1-100461 | 4 | 34 | 202 | 202 | .7 | 9 | 7 | 249 | 4.16 | 20 | 5 | ND | 4 | 19 | 1 | 2 | 2 | 49 | .16 | .059 | 17 | 16 | .37 | 164 | .01 | 2 | 2.46 | .01 | .04 | 1 | ND |
| 100462 | 2 | 24 | 24 | 139 | .7 | 7 | 5 | 207 | 3.20 | 13 | 8 | ND | 5 | 11 | 1 | 2 | 2 | 41 | .10 | .054 | 13 | 13 | .28 | 88 | .03 | 2 | 2.01 | .01 | .05 | 1 | 2 |
| 100463 | 1 | 22 | 23 | 136 | .6 | 10 | 9 | 375 | 3.81 | 17 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 51 | .11 | .096 | 9 | 17 | .32 | 94 | .01 | 3 | 1.94 | .01 | .05 | 1 | 1 |
| 100464 | 2 | 27 | 21 | 155 | .4 | 9 | 7 | 302 | 3.41 | 19 | 5 | ND | 2 | 18 | 1 | 2 | 3 | 47 | .17 | .046 | 13 | 17 | .37 | 112 | .03 | 6 | 1.87 | .01 | .06 | 1 | 4 |
| 5-1-100465 | 4 | 19 | 16 | 100 | .6 | 7 | 6 | 306 | 2.90 | 7 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 38 | .20 | .029 | 16 | 14 | .34 | 112 | .01 | 2 | 1.82 | .01 | .05 | 1 | ND |
| 100466 | 1 | 24 | 25 | 154 | .4 | 8 | 6 | 318 | 3.18 | 18 | 5 | ND | 4 | 11 | 1 | 2 | 2 | 43 | .09 | .096 | 11 | 15 | .29 | 64 | .03 | 3 | 1.97 | .01 | .05 | 2 | 2 |
| 5-1-100467 | 2 | 50 | 214 | 214 | .9 | 9 | 12 | 1726 | 3.33 | 16 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 43 | .12 | .170 | 12 | 17 | .33 | 95 | .02 | 2 | 2.71 | .01 | .08 | 1 | 3 |
| 100468 | 3 | 33 | 28 | 201 | .7 | 11 | 11 | 1052 | 3.39 | 10 | 5 | ND | 2 | 39 | 1 | 2 | 2 | 46 | .39 | .067 | 18 | 16 | .41 | 107 | .01 | 2 | 2.94 | .01 | .09 | 1 | 1 |
| 100469 | 1 | 17 | 19 | 95 | .2 | 4 | 5 | 350 | 2.50 | 9 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 36 | .23 | .028 | 13 | 13 | .36 | 93 | .03 | 2 | 1.41 | .01 | .06 | 1 | 4 |
| 100470 | 1 | 24 | 18 | 124 | .5 | 11 | 7 | 321 | 3.33 | 20 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 50 | .27 | .042 | 16 | 17 | .45 | 124 | .03 | 2 | 2.11 | .01 | .06 | 1 | 4 |
| 100471 | 2 | 29 | 23 | 173 | .5 | 12 | 8 | 339 | 4.12 | 22 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 61 | .29 | .048 | 13 | 21 | .55 | 160 | .04 | 2 | 2.42 | .01 | .08 | 1 | ND |
| 100551 | 2 | 22 | 18 | 233 | .6 | 12 | 8 | 1050 | 2.96 | 9 | 5 | ND | 1 | 39 | 1 | 2 | 2 | 45 | .55 | .090 | 22 | 21 | .58 | 180 | .05 | 4 | 2.30 | .01 | .08 | 1 | 1 |
| 100552 | 8 | 21 | 20 | 174 | .4 | 12 | 9 | 509 | 3.04 | 9 | 6 | ND | 1 | 29 | 1 | 2 | 2 | 49 | .43 | .060 | 25 | 22 | .57 | 161 | .06 | 2 | 2.18 | .02 | .07 | 1 | 1 |
| 100553 | 4 | 16 | 16 | 170 | .3 | 11 | 7 | 484 | 2.33 | 5 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 40 | .46 | .067 | 19 | 20 | .57 | 134 | .07 | 6 | 1.93 | .02 | .07 | 1 | 3 |
| 100554 | 4 | 19 | 24 | 229 | .2 | 15 | 10 | 746 | 2.94 | 5 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 48 | .46 | .056 | 19 | 22 | .70 | 147 | .07 | 2 | 2.39 | .02 | .07 | 1 | 1 |
| 100555 | 1 | 11 | 16 | 74 | .2 | 6 | 5 | 264 | 1.84 | 2 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 29 | .16 | .027 | 12 | 14 | .31 | 89 | .05 | 2 | 1.54 | .01 | .06 | 1 | 2 |
| 100556 | 1 | 8 | 10 | 72 | .4 | 4 | 4 | 146 | 2.33 | 4 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 35 | .18 | .046 | 13 | 12 | .19 | 68 | .04 | 3 | 1.81 | .01 | .05 | 1 | 1 |
| 100557 | 2 | 13 | 24 | 92 | .4 | 9 | 6 | 236 | 3.35 | 7 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 40 | .12 | .023 | 11 | 16 | .35 | 94 | .05 | 4 | 1.90 | .01 | .09 | 1 | 1 |
| 100558 | 1 | 12 | 24 | 80 | .3 | 8 | 5 | 216 | 1.84 | 6 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 38 | .32 | .044 | 16 | 16 | .31 | 129 | .04 | 1 | 1.61 | .02 | .05 | 1 | 4 |
| 100559 | 2 | 11 | 20 | 83 | .2 | 7 | 5 | 203 | 2.78 | 6 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 42 | .16 | .036 | 12 | 14 | .28 | 90 | .05 | 3 | 2.04 | .03 | .05 | 1 | 4 |
| 100560 | 3 | 19 | 21 | 126 | .6 | 10 | 6 | 249 | 3.72 | 8 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 51 | .24 | .050 | 11 | 17 | .37 | 96 | .05 | 2 | 2.06 | .01 | .05 | 1 | 1 |
| 100561 | 5 | 21 | 20 | 139 | .3 | 9 | 6 | 281 | 2.90 | 2 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 43 | .39 | .060 | 16 | 16 | .43 | 134 | .03 | 4 | 2.50 | .01 | .06 | 1 | 3 |
| 100562 | 1 | 66 | 23 | 86 | 1.3 | 9 | 6 | 343 | 2.49 | 6 | 5 | ND | 1 | 43 | 1 | 2 | 2 | 40 | .39 | .032 | 20 | 19 | .40 | 61 | .04 | 2 | 1.57 | .01 | .04 | 1 | 1 |
| 100563 | 2 | 22 | 22 | 142 | .3 | 6 | 4 | 289 | 1.90 | 3 | 5 | ND | 1 | 48 | 1 | 2 | 2 | 32 | .52 | .041 | 18 | 14 | .36 | 161 | .02 | 2 | 1.70 | .01 | .06 | 1 | 1 |
| 100564 | 4 | 28 | 151 | 151 | 1.0 | 13 | 11 | 487 | 5.70 | 29 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 66 | .27 | .140 | 8 | 33 | .58 | 146 | .03 | 3 | 2.63 | .01 | .07 | 1 | 3 |
| 100565 | 3 | 19 | 39 | 126 | .8 | 11 | 10 | 592 | 4.33 | 11 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 63 | .28 | .119 | 7 | 30 | .50 | 131 | .05 | 2 | 2.25 | .01 | .08 | 1 | 1 |
| 100566 | 2 | 13 | 20 | 125 | .3 | 9 | 6 | 260 | 2.96 | 12 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 42 | .11 | .003 | 12 | 18 | .39 | 76 | .05 | 5 | 3.11 | .01 | .06 | 1 | 1 |
| 100567 | 3 | 17 | 26 | 144 | .3 | 9 | 7 | 365 | 3.08 | 6 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 42 | .11 | .037 | 15 | 18 | .48 | 126 | .04 | 2 | 2.59 | .01 | .07 | 1 | 2 |
| 100568 | 2 | 9 | 21 | 96 | .1 | 7 | 4 | 245 | 2.88 | 7 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 44 | .12 | .041 | 12 | 17 | .32 | 69 | .05 | 4 | 1.95 | .01 | .04 | 1 | 5 |
| 100569 | 2 | 9 | 18 | 63 | .1 | 6 | 4 | 142 | 2.35 | 7 | 5 | ND | 1 | 17 | 1 | 2 | 3 | 34 | .14 | .041 | 17 | 14 | .24 | 90 | .03 | 3 | 1.73 | .01 | .04 | 1 | 2 |
| 100570 | 1 | 11 | 20 | 106 | .2 | 7 | 5 | 201 | 2.93 | 4 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 37 | .12 | .032 | 16 | 16 | .34 | 81 | .05 | 2 | 2.35 | .01 | .05 | 1 | 5 |
| 100571 | 1 | 11 | 17 | 168 | .2 | 6 | 6 | 213 | 2.83 | 8 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 41 | .13 | .032 | 11 | 17 | .29 | 61 | .05 | 4 | 2.54 | .01 | .04 | 1 | 1 |
| 100572 | 1 | 9 | 15 | 95 | .2 | 6 | 4 | 190 | 2.70 | 4 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 14 | .11 | .035 | 12 | 14 | .36 | 102 | .01 | 2 | 1.77 | .01 | .05 | 1 | 2 |
| 100573 | 2 | 10 | 21 | 133 | .1 | 8 | 6 | 218 | 3.34 | 8 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 50 | .09 | .051 | 18 | 19 | .34 | 70 | .05 | 6 | 2.98 | .01 | .05 | 1 | 1 |
| 100574 | 2 | 10 | 10 | 107 | .1 | 6 | 5 | 191 | 3.17 | 8 | 5 | ND | 3 | 9 | 1 | 2 | 2 | 46 | .08 | .076 | 10 | 18 | .26 | 50 | .05 | 3 | 3.60 | .01 | .04 | 1 | 2 |
| STD C/AU-8 | 10 | 62 | 42 | 132 | 6.6 | 69 | 30 | 954 | 4.19 | 42 | 18 | 7 | 37 | 49 | 18 | 15 | 19 | 59 | .53 | .089 | 38 | 56 | .92 | 176 | .07 | 36 | 1.63 | .06 | .13 | 12 | 47 |

NORANDA EXPLORATION CO. LTD. PROJECT 8906-070 260 FILE # 89-1598

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | Al | U | Am | Tb | Sr | Cd | Sb | Bi | V | Ca | P | Ga | Cr | Hg | Ba | Ti | B | Al | Mo | K | M | As* |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM |
| 100575 | 3 | 7 | 23 | 176 | .3 | 6 | 4 | 196 | 2.86 | 4 | 5 | ND | 1 | 11 | 1 | 2 | 3 | 64 | .10 | .044 | 12 | 16 | .17 | 36 | .01 | 2 | 1.09 | .01 | .03 | 1 | 1 |
| 100576 | 2 | 9 | 24 | 124 | .3 | 6 | 4 | 245 | 3.42 | 7 | 5 | ND | 3 | 8 | 1 | 2 | 2 | 46 | .07 | .167 | 10 | 15 | .17 | 84 | .03 | 2 | 2.16 | .01 | .03 | 1 | 1 |
| 100577 | 3 | 8 | 26 | 154 | .3 | 6 | 4 | 219 | 2.40 | 7 | 5 | ND | 3 | 10 | 1 | 2 | 2 | 27 | .06 | .039 | 17 | 10 | .21 | 80 | .02 | 2 | 2.03 | .01 | .04 | 1 | 1 |
| 100578 | 4 | 11 | 28 | 180 | .4 | 8 | 5 | 167 | 3.44 | 4 | 5 | ND | 1 | 7 | 1 | 2 | 3 | 63 | .05 | .060 | 15 | 31 | .24 | 42 | .02 | 2 | 1.75 | .01 | .04 | 1 | 1 |
| 100579 | 2 | 9 | 19 | 122 | .2 | 6 | 4 | 183 | 2.90 | 5 | 5 | ND | 1 | 10 | 1 | 2 | 2 | 42 | .09 | .071 | 11 | 16 | .20 | 64 | .04 | 2 | 2.50 | .01 | .03 | 1 | 1 |
| 100580 | 2 | 9 | 19 | 94 | .2 | 6 | 4 | 186 | 2.81 | 3 | 5 | ND | 2 | 9 | 1 | 2 | 2 | 40 | .09 | .071 | 12 | 16 | .22 | 61 | .04 | 2 | 2.73 | .01 | .04 | 1 | 1 |
| 100581 | 3 | 12 | 28 | 128 | .4 | 8 | 5 | 273 | 2.76 | 6 | 5 | ND | 2 | 14 | 1 | 2 | 2 | 37 | .14 | .029 | 15 | 16 | .24 | 82 | .04 | 1 | 1.59 | .01 | .04 | 1 | 1 |
| 100582 | 2 | 18 | 31 | 128 | 1.0 | 4 | 4 | 135 | 2.63 | 6 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 16 | .06 | .064 | 12 | 13 | .15 | 64 | .04 | 2 | 2.47 | .01 | .03 | 1 | 1 |
| 100583 | 2 | 10 | 15 | 114 | .2 | 10 | 5 | 196 | 2.80 | 6 | 5 | ND | 2 | 10 | 1 | 2 | 2 | 40 | .11 | .069 | 12 | 21 | .25 | 70 | .04 | 2 | 2.99 | .01 | .04 | 1 | 1 |
| 100585 | 1 | 11 | 11 | 112 | .1 | 7 | 6 | 432 | 3.09 | 5 | 5 | ND | 1 | 13 | 1 | 2 | 4 | 44 | .15 | .084 | 12 | 16 | .33 | 66 | .03 | 2 | 1.63 | .01 | .06 | 1 | 1 |
| 100586 | 2 | 12 | 17 | 97 | .4 | 6 | 6 | 276 | 3.07 | 7 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 44 | .13 | .075 | 14 | 18 | .31 | 61 | .05 | 2 | 2.85 | .01 | .05 | 1 | 1 |
| 100587 | 2 | 14 | 21 | 157 | .4 | 9 | 6 | 292 | 3.21 | 6 | 5 | ND | 1 | 18 | 1 | 2 | 3 | 45 | .15 | .044 | 15 | 17 | .36 | 102 | .04 | 2 | 2.21 | .01 | .05 | 1 | 1 |
| 100588 | 1 | 11 | 21 | 88 | .2 | 6 | 5 | 241 | 2.48 | 6 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 36 | .12 | .059 | 14 | 13 | .25 | 75 | .03 | 2 | 1.90 | .01 | .05 | 1 | 1 |
| 100589 | 2 | 12 | 22 | 46 | .2 | 8 | 5 | 247 | 3.13 | 6 | 5 | ND | 1 | 14 | 1 | 2 | 4 | 45 | .12 | .073 | 11 | 16 | .24 | 78 | .04 | 2 | 2.29 | .01 | .04 | 1 | 1 |
| 100590 | 2 | 10 | 23 | 67 | .2 | 4 | 4 | 165 | 3.57 | 6 | 5 | ND | 3 | 9 | 1 | 2 | 2 | 50 | .11 | .071 | 13 | 16 | .17 | 44 | .06 | 3 | 3.09 | .01 | .03 | 1 | 1 |
| 100591 | 2 | 12 | 19 | 101 | .2 | 7 | 5 | 238 | 2.61 | 4 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 40 | .16 | .023 | 9 | 14 | .32 | 95 | .03 | 7 | 1.50 | .01 | .04 | 1 | 1 |
| 100592 | 1 | 10 | 15 | 135 | .2 | 10 | 6 | 503 | 2.65 | 3 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 43 | .21 | .030 | 13 | 17 | .49 | 104 | .04 | 7 | 1.88 | .01 | .07 | 1 | 1 |
| 100594 | 2 | 11 | 19 | 150 | .1 | 9 | 5 | 258 | 3.05 | 5 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 41 | .14 | .054 | 14 | 17 | .35 | 89 | .04 | 2 | 2.95 | .01 | .05 | 1 | 1 |
| 100595 | 1 | 12 | 17 | 113 | .1 | 9 | 5 | 215 | 2.62 | 3 | 5 | ND | 4 | 11 | 1 | 2 | 2 | 41 | .11 | .090 | 11 | 19 | .28 | 59 | .04 | 2 | 2.60 | .01 | .04 | 1 | 1 |
| 100596 | 1 | 14 | 17 | 189 | .1 | 9 | 6 | 229 | 3.09 | 9 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 46 | .12 | .045 | 12 | 18 | .35 | 84 | .04 | 2 | 2.86 | .01 | .06 | 1 | 1 |
| 100597 | 1 | 12 | 15 | 31 | .2 | 8 | 5 | 186 | 1.87 | 3 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 33 | .16 | .022 | 14 | 15 | .29 | 104 | .06 | 2 | 1.80 | .01 | .04 | 1 | 1 |
| 100598 | 3 | 13 | 20 | 186 | .1 | 10 | 6 | 275 | 2.86 | 2 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 51 | .26 | .134 | 12 | 20 | .14 | 100 | .01 | 3 | 2.53 | .01 | .07 | 1 | 1 |
| 100599 | 3 | 13 | 22 | 180 | .1 | 10 | 8 | 402 | 2.96 | 9 | 5 | ND | 2 | 21 | 1 | 2 | 4 | 49 | .21 | .023 | 20 | 19 | .35 | 133 | .06 | 5 | 1.41 | .01 | .08 | 1 | 1 |
| 100600 | 3 | 13 | 21 | 153 | .2 | 13 | 7 | 384 | 2.98 | 9 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 40 | .23 | .027 | 19 | 19 | .39 | 176 | .05 | 2 | 1.84 | .01 | .05 | 1 | 1 |
| 100601 | 2 | 15 | 21 | 126 | .2 | 10 | 6 | 236 | 2.97 | 4 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 44 | .14 | .041 | 13 | 16 | .35 | 91 | .05 | 2 | 2.16 | .01 | .05 | 1 | 1 |
| 100652 | 2 | 13 | 17 | 111 | .1 | 7 | 5 | 183 | 3.55 | 7 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 49 | .16 | .053 | 11 | 17 | .27 | 89 | .05 | 2 | 2.38 | .01 | .04 | 1 | 1 |
| 100653 | 2 | 9 | 18 | 124 | .1 | 5 | 4 | 180 | 2.81 | 5 | 5 | ND | 2 | 13 | 1 | 2 | 4 | 40 | .11 | .036 | 12 | 14 | .27 | 109 | .04 | 2 | 2.31 | .01 | .05 | 1 | 1 |
| 100654 | 2 | 16 | 22 | 97 | .2 | 7 | 5 | 200 | 2.56 | 9 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 36 | .14 | .043 | 15 | 16 | .32 | 89 | .04 | 2 | 2.13 | .01 | .05 | 1 | 1 |
| 100655 | 2 | 19 | 20 | 92 | .2 | 8 | 6 | 307 | 2.51 | 7 | 5 | ND | 1 | 15 | 1 | 2 | 4 | 38 | .16 | .046 | 20 | 15 | .28 | 91 | .05 | 2 | 1.77 | .01 | .05 | 1 | 1 |
| 100656 | 1 | 12 | 15 | 126 | .3 | 8 | 5 | 227 | 1.95 | 5 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 30 | .16 | .036 | 14 | 14 | .36 | 113 | .03 | 2 | 1.81 | .01 | .05 | 1 | 1 |
| 100657 | 1 | 12 | 17 | 145 | .5 | 8 | 5 | 273 | 2.88 | 4 | 5 | ND | 1 | 21 | 1 | 2 | 3 | 35 | .14 | .038 | 13 | 14 | .43 | 130 | .03 | 5 | 1.80 | .01 | .06 | 1 | 1 |
| 100658 | 2 | 11 | 14 | 74 | .3 | 6 | 4 | 194 | 2.02 | 7 | 5 | ND | 1 | 19 | 1 | 2 | 3 | 35 | .19 | .042 | 13 | 13 | .30 | 100 | .04 | 6 | 1.35 | .01 | .04 | 1 | 1 |
| 100659 | 3 | 16 | 20 | 125 | .2 | 8 | 6 | 639 | 2.34 | 5 | 5 | ND | 1 | 22 | 1 | 2 | 5 | 35 | .22 | .051 | 16 | 15 | .36 | 116 | .03 | 2 | 1.76 | .01 | .06 | 1 | 1 |
| 100660 | 6 | 20 | 25 | 119 | .3 | 7 | 7 | 1847 | 2.73 | 9 | 5 | ND | 1 | 26 | 1 | 2 | 3 | 40 | .23 | .067 | 17 | 15 | .32 | 161 | .02 | 2 | 1.92 | .01 | .07 | 1 | 1 |
| 100661 | 5 | 14 | 18 | 153 | .3 | 8 | 10 | 1847 | 3.25 | 7 | 5 | ND | 1 | 28 | 1 | 2 | 4 | 43 | .28 | .071 | 14 | 17 | .35 | 186 | .03 | 3 | 1.53 | .01 | .08 | 1 | 1 |
| 100662 | 4 | 15 | 25 | 123 | .2 | 6 | 6 | 456 | 2.24 | 8 | 5 | ND | 1 | 26 | 1 | 2 | 4 | 40 | .27 | .066 | 18 | 17 | .39 | 134 | .03 | 2 | 1.70 | .01 | .06 | 1 | 1 |
| STD C/AD-S | 18 | 62 | 38 | 132 | 6.6 | 71 | 30 | 957 | 4.17 | 38 | 17 | 7 | 37 | 43 | 18 | 15 | 22 | 59 | .53 | .888 | 38 | 56 | .91 | 175 | .07 | 31 | 1.62 | .06 | .13 | 12 | 51 |

S-2
S-2

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NORANDA EXPLORATION CO. LTD. PROJECT 8906-070 260 FILE # 89-1598

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Mn PPM | Co PPM | Ni PPM | Fe % | As PPM | U PPM | Au PPM | Tb PPM | Br PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | Sn PPM | Cr PPM | Mg % | Ba PPM | Zr % | Hf PPM | Al % | Si % | W % | K % | Y PPM | Au* PPM |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|-----------|---------|---------|--------|--------|----------|------------|
| 100863 | 2 | 6 | 20 | 70 | .3 | 7 | 5 | 198 | 1.50 | 2 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 20 | .14 | .032 | 16 | 12 | .30 | 113 | .02 | 3 | 1.79 | .01 | .04 | 1 | 4 | |
| 100864 | 2 | 12 | 19 | 81 | .7 | 8 | 4 | 200 | 2.13 | 3 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 29 | .19 | .043 | 14 | 13 | .20 | 120 | .03 | 4 | 1.58 | .01 | .04 | 1 | 1 | |
| 100865 | 2 | 19 | 17 | 123 | .5 | 11 | 6 | 313 | 2.82 | 8 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 34 | .24 | .074 | 15 | 16 | .41 | 148 | .02 | 3 | 2.07 | .01 | .05 | 1 | 1 | |
| 100866 | 1 | 16 | 16 | 114 | .5 | 11 | 5 | 253 | 2.43 | 8 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 34 | .18 | .043 | 15 | 14 | .42 | 117 | .01 | 7 | 1.89 | .01 | .05 | 1 | 1 | |
| 100867 | 2 | 20 | 20 | 113 | .8 | 9 | 6 | 393 | 2.88 | 11 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 35 | .17 | .082 | 20 | 15 | .35 | 108 | .01 | 2 | 2.19 | .01 | .05 | 1 | 4 | |
| 100868 | 1 | 12 | 21 | 111 | .6 | 8 | 5 | 283 | 2.29 | 3 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 32 | .19 | .058 | 15 | 13 | .32 | 81 | .02 | 4 | 1.61 | .01 | .04 | 1 | 2 | |
| 100869 | 1 | 12 | 20 | 106 | .3 | 8 | 5 | 319 | 2.36 | 2 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 34 | .26 | .069 | 13 | 13 | .36 | 118 | .02 | 2 | 1.60 | .01 | .06 | 1 | 1 | |
| 100870 | 1 | 16 | 14 | 105 | .4 | 9 | 5 | 213 | 2.27 | 5 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 35 | .17 | .022 | 12 | 16 | .49 | 83 | .05 | 9 | 1.68 | .01 | .05 | 1 | 3 | |
| 100871 | 1 | 12 | 14 | 95 | .2 | 8 | 4 | 293 | 2.28 | 6 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 33 | .16 | .026 | 12 | 14 | .33 | 84 | .03 | 5 | 1.49 | .01 | .04 | 1 | 1 | |
| 100872 | 3 | 17 | 24 | 140 | .3 | 11 | 10 | 1453 | 3.05 | 6 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 46 | .21 | .048 | 16 | 17 | .56 | 164 | .02 | 2 | 2.54 | .01 | .08 | 1 | 2 | |
| 100873 | 2 | 43 | 27 | 168 | .8 | 14 | 8 | 550 | 3.15 | 15 | 5 | ND | 1 | 34 | 1 | 2 | 2 | 44 | .32 | .056 | 21 | 20 | .58 | 172 | .02 | 2 | 2.87 | .01 | .11 | 1 | 1 | |
| 100874 | 2 | 24 | 21 | 126 | .5 | 10 | 7 | 547 | 2.74 | 5 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 39 | .24 | .039 | 18 | 16 | .51 | 132 | .02 | 4 | 2.26 | .01 | .07 | 1 | 2 | |
| 100875 | 1 | 14 | 23 | 97 | .3 | 9 | 5 | 293 | 2.38 | 3 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 36 | .20 | .029 | 14 | 15 | .44 | 100 | .03 | 2 | 1.73 | .01 | .06 | 1 | 1 | |
| STD C/AU-3 | 19 | 59 | 42 | 132 | 7.2 | 67 | 30 | 937 | 4.10 | 39 | 23 | 6 | 36 | 48 | 18 | 18 | 22 | 57 | .51 | .086 | 38 | 55 | .91 | 173 | .07 | 32 | 2.03 | .06 | .14 | 12 | 47 | |

NORANDA EXPLORATION CO. LTD. PROJECT 8906-070 260 FILE # 89-1598

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Ca | SB | Bi | V | Ca | P | La | Cr | Hg | Ba | Yt | B | Al | Na | K | N | Au' |
|---------|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | PPM | PPM | |
| ✓100361 | 3 | 26 | 21 | ████ | .2 | 12 | 8 | 1802 | 2.79 | 11 | 5 | ND | 1 | 36 | 1 | 2 | 2 | 40 | .41 | .045 | 17 | 15 | .57 | 133 | .04 | 3 | 1.88 | .01 | .00 | 1 | 1 |
| 100607 | 3 | 12 | 17 | 31 | .1 | 8 | 7 | 812 | 2.10 | 5 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 27 | .24 | .047 | 15 | 11 | .31 | 111 | .03 | 5 | 1.27 | .01 | .04 | 1 | 1 |

NORANDA EXPLORATION CO. LTD. PROJECT 8905-070 260 FILE # 89-1598

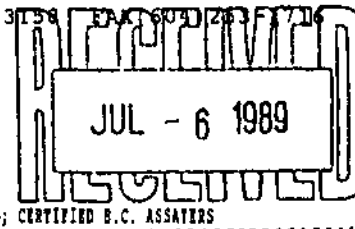
8-2

| SAMPLE# | Ko | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | V | Au | Th | U | Cd | Sb | Bi | Y | Ca | P | Se | Cr | Hg | Ba | Tl | B | Al | Na | K | V | Au* |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | % | PPM | PPM |
| 18199 | 1 | 18 | 4 | 62 | .1 | 15 | 6 | 387 | 3.31 | 2 | 5 | ND | 8 | 18 | 1 | 2 | 2 | 45 | .58 | .073 | 8 | 30 | 1.13 | 125 | .11 | 2 | 1.43 | .04 | .09 | 1 | 6 |
| 18500 | 1 | █ | 2 | 106 | .2 | 8 | 25 | 877 | █ | 2 | 5 | ND | 1 | 15 | 2 | 2 | 2 | 155 | 1.40 | .133 | 9 | 3 | 1.04 | 16 | .11 | 4 | 1.02 | .04 | .03 | 1 | █ |
| 100351 | 2 | 5 | 4 | 18 | .1 | 5 | 2 | 493 | .87 | 2 | 5 | ND | 10 | 4 | 1 | 2 | 2 | 3 | .07 | .008 | 25 | 5 | .04 | 72 | .01 | 5 | .37 | .03 | .15 | 1 | 3 |
| 100352 | 3 | 6 | 16 | 50 | .1 | 5 | 2 | 315 | 1.24 | 5 | 5 | ND | 9 | 4 | 1 | 2 | 2 | 5 | .04 | .012 | 31 | 6 | .03 | 50 | .01 | 2 | .51 | .03 | .16 | 1 | 1 |
| 100353 | 3 | 3 | 14 | 7 | .2 | 5 | 1 | 486 | .72 | 4 | 5 | ND | 8 | 8 | 1 | 2 | 2 | 1 | .05 | .010 | 31 | 6 | .02 | 130 | .01 | 2 | .29 | .02 | .17 | 1 | 3 |
| 100354 | 1 | 5 | 3 | 18 | .1 | 4 | 1 | 477 | .70 | 2 | 5 | ND | 3 | 3 | 1 | 2 | 2 | 2 | .04 | .016 | 23 | 4 | .02 | 33 | .01 | 2 | .34 | .03 | .12 | 1 | 4 |
| 100355 | 2 | 14 | █ | █ | .5 | 13 | 8 | █ | 1.46 | 8 | 5 | ND | 4 | 16 | 1 | 3 | 2 | 7 | .22 | .059 | 19 | 10 | .07 | █ | .01 | 5 | .60 | .02 | .22 | 1 | 3 |
| 100356 | 7 | 9 | █ | 153 | .4 | 5 | 2 | 495 | 1.07 | 19 | 5 | ND | 4 | 15 | 1 | 2 | 2 | 4 | .05 | .040 | 27 | 4 | .12 | █ | .01 | 2 | .61 | .02 | .23 | 1 | 1 |
| 100357 | 4 | 7 | █ | 145 | █ | 3 | 1 | 159 | 1.28 | 73 | 3 | ND | 6 | 23 | 1 | 2 | 2 | 3 | .06 | .038 | 23 | 4 | .03 | █ | .01 | 3 | .33 | .02 | .22 | 1 | 3 |
| 100360 | 3 | 7 | 11 | 15 | .2 | 2 | 1 | 71 | 1.49 | 6 | 5 | ND | 10 | 2 | 1 | 2 | 2 | 3 | .01 | .013 | 30 | 2 | .05 | 62 | .01 | 1 | .55 | .03 | .17 | 1 | 2 |
| STD C/AU-R | 10 | 63 | 43 | 132 | 6.6 | 70 | 31 | 946 | 4.14 | 36 | 19 | 7 | 36 | 44 | 14 | 14 | 21 | 54 | .52 | .086 | 34 | 56 | .90 | 175 | .07 | 33 | 2.03 | .06 | .14 | 11 | 510 |

Cotsa (ML)

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 1-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NH PP SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P4 SOIL P5 SILT P6 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.



DATE RECEIVED: JUN 26 1989 DATE REPORT MAILED: *July 3/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG;

NORANDA EXPLORATION CO. LTD. PROJECT 8906-099 260 File # 89-1732 Page 1

| SAMPLE# | No | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Tb | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Hg | Ba | Ti | B | Al | Na | K | W | Au* |
|------------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | % | % | % | PPM | PPM | |
| 36365 | 1 | 7 | 10 | 68 | .1 | 6 | 4 | 238 | 1.55 | 2 | 5 | ND | 1 | 23 | 1 | 2 | 2 | 33 | .25 | .040 | 11 | 11 | .21 | 94 | .05 | 2 | 1.24 | .01 | .04 | 1 | 1 |
| 36365 | 1 | 6 | 9 | 42 | .1 | 6 | 3 | 163 | 1.55 | 2 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 31 | .21 | .021 | 9 | 12 | .23 | 92 | .07 | 2 | 1.14 | .01 | .04 | 1 | 1 |
| 36367 | 1 | 16 | 9 | 54 | .1 | 8 | 4 | 193 | 1.93 | 2 | 5 | ND | 1 | 19 | 1 | 2 | 3 | 37 | .19 | .035 | 9 | 15 | .28 | 105 | .06 | 7 | 1.85 | .01 | .04 | 1 | 1 |
| 36369 | 1 | 9 | 12 | 76 | .2 | 10 | 6 | 179 | 2.63 | 4 | 5 | ND | 1 | 14 | 1 | 2 | 3 | 50 | .13 | .063 | 8 | 16 | .22 | 115 | .06 | 2 | 1.96 | .01 | .04 | 1 | 2 |
| 36370 | 1 | 7 | 8 | 75 | .1 | 5 | 4 | 356 | 1.65 | 2 | 7 | ND | 1 | 21 | 1 | 2 | 2 | 35 | .21 | .020 | 10 | 12 | .23 | 77 | .06 | 7 | 1.07 | .01 | .04 | 1 | 3 |
| 36371 | 1 | 8 | 17 | 90 | .1 | 6 | 5 | 324 | 2.70 | 5 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 48 | .19 | .169 | 9 | 14 | .20 | 128 | .05 | 3 | 1.56 | .01 | .05 | 1 | 1 |
| 36372 | 1 | 8 | 21 | 59 | .1 | 6 | 4 | 141 | 1.41 | 3 | 5 | ND | 1 | 32 | 1 | 2 | 3 | 31 | .36 | .038 | 11 | 13 | .25 | 142 | .06 | 2 | 1.27 | .01 | .04 | 1 | 1 |
| 36372 | 1 | 9 | 13 | 72 | .2 | 7 | 4 | 157 | 1.91 | 2 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 35 | .17 | .065 | 9 | 14 | .24 | 103 | .05 | 3 | 1.77 | .01 | .04 | 1 | 1 |
| 36374 | 1 | 12 | 16 | 90 | .2 | 10 | 5 | 167 | 2.44 | 3 | 5 | ND | 1 | 35 | 1 | 2 | 2 | 41 | .27 | .091 | 12 | 16 | .25 | 183 | .05 | 2 | 2.59 | .01 | .05 | 1 | 2 |
| 38271 | 1 | 11 | 25 | 102 | .3 | 6 | 4 | 324 | 1.73 | 7 | 7 | ND | 1 | 18 | 1 | 2 | 1 | 33 | .19 | .015 | 11 | 13 | .23 | 74 | .03 | 2 | 1.51 | .01 | .03 | 1 | 3 |
| 38272 | 1 | 15 | 26 | 157 | .2 | 6 | 4 | 220 | 2.39 | 7 | 6 | ND | 1 | 21 | 1 | 2 | 2 | 37 | .19 | .019 | 12 | 14 | .24 | 97 | .03 | 4 | 1.77 | .01 | .03 | 1 | 3 |
| 38273 | 2 | 35 | 209 | .7 | 10 | 9 | 475 | 2.27 | 11 | 10 | ND | 1 | 37 | 1 | 2 | 1 | 46 | .39 | .038 | 21 | 19 | .43 | 141 | .02 | 3 | 2.11 | .01 | .06 | 1 | 1 | |
| 38274 | 2 | 26 | 178 | .3 | 8 | 6 | 577 | 2.27 | 7 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 43 | .23 | .029 | 13 | 16 | .36 | 127 | .03 | 2 | 2.09 | .01 | .05 | 1 | 3 | |
| 38275 | 2 | 50 | 294 | 1.2 | 13 | 12 | 659 | 5.44 | 24 | 5 | ND | 1 | 35 | 1 | 2 | 2 | 53 | .34 | .131 | 21 | 22 | .41 | 191 | .03 | 2 | 3.64 | .01 | .08 | 1 | 5 | |
| 37376 | 1 | 8 | 9 | 54 | .1 | 7 | 6 | 507 | 1.92 | 2 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 40 | .29 | .043 | 11 | 13 | .29 | 112 | .07 | 2 | 1.32 | .01 | .05 | 1 | 2 |
| 57377 | 1 | 7 | 5 | 49 | .1 | 5 | 3 | 215 | 1.47 | 2 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 32 | .24 | .026 | 11 | 10 | .21 | 95 | .07 | 2 | .94 | .01 | .04 | 1 | 1 |
| 57378 | 1 | 16 | 5 | 82 | .1 | 9 | 8 | 1769 | 2.37 | 3 | 5 | ND | 1 | 35 | 1 | 2 | 2 | 40 | .37 | .075 | 14 | 15 | .30 | 163 | .05 | 2 | 1.98 | .01 | .06 | 1 | 1 |
| 57379 | 1 | 8 | 5 | 39 | .1 | 6 | 4 | 220 | 1.45 | 2 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 28 | .34 | .027 | 11 | 14 | .25 | 79 | .06 | 2 | 1.03 | .01 | .05 | 1 | 1 |
| 57380 | 1 | 11 | 241 | .3 | 6 | 5 | 344 | 3.11 | 10 | 9 | ND | 1 | 12 | 1 | 2 | 2 | 51 | .14 | .113 | 10 | 15 | .25 | 78 | .03 | 3 | 1.61 | .01 | .04 | 1 | 4 | |
| 57381 | 1 | 11 | 208 | .5 | 6 | 5 | 1181 | 3.03 | 36 | 7 | ND | 1 | 10 | 1 | 2 | 3 | 47 | .14 | .195 | 9 | 16 | .27 | 90 | .04 | 2 | 2.02 | .01 | .05 | 1 | 3 | |
| 57382 | 1 | 14 | 29 | 106 | .2 | 7 | 4 | 379 | 1.94 | 9 | 5 | ND | 1 | 16 | 1 | 2 | 3 | 36 | .20 | .021 | 13 | 16 | .30 | 70 | .05 | 2 | 1.31 | .01 | .04 | 1 | 2 |
| 57383 | 1 | 16 | 131 | .2 | 7 | 6 | 367 | 2.69 | 18 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 43 | .12 | .027 | 14 | 16 | .26 | 64 | .05 | 2 | 1.68 | .01 | .03 | 1 | 1 | |
| 57384 | 1 | 27 | 186 | .4 | 7 | 8 | 647 | 2.09 | 9 | 5 | ND | 1 | 32 | 1 | 2 | 2 | 42 | .34 | .029 | 16 | 16 | .33 | 128 | .02 | 2 | 1.86 | .01 | .05 | 1 | 1 | |
| 57385 | 2 | 24 | 170 | .2 | 8 | 6 | 381 | 2.19 | 10 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 40 | .35 | .049 | 19 | 16 | .40 | 98 | .03 | 3 | 1.50 | .01 | .05 | 1 | 8 | |
| 57386 | 1 | 25 | 156 | .6 | 9 | 4 | 331 | 1.53 | 8 | 9 | ND | 1 | 27 | 1 | 2 | 2 | 32 | .32 | .043 | 21 | 16 | .39 | 107 | .03 | 2 | 1.61 | .01 | .05 | 1 | 24 | |
| 57387 | 1 | 18 | 197 | .1 | 7 | 5 | 304 | 3.85 | 31 | 5 | ND | 1 | 25 | 1 | 2 | 3 | 50 | .31 | .101 | 12 | 16 | .23 | 105 | .03 | 4 | 1.77 | .01 | .04 | 1 | 3 | |
| 57388 | 1 | 16 | 127 | .2 | 7 | 4 | 225 | 1.94 | 8 | 6 | ND | 1 | 18 | 1 | 2 | 3 | 33 | .19 | .022 | 11 | 13 | .31 | 96 | .03 | 4 | 1.56 | .01 | .04 | 1 | 3 | |
| 57389 | 1 | 9 | 21 | 105 | .1 | 5 | 3 | 171 | 2.43 | 9 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 45 | .10 | .019 | 9 | 13 | .22 | 70 | .03 | 2 | 1.38 | .01 | .03 | 1 | 1 |
| 57390 | 1 | 21 | 19 | 120 | .3 | 8 | 4 | 252 | 2.01 | 7 | 5 | ND | 1 | 21 | 1 | 2 | 3 | 35 | .20 | .024 | 13 | 15 | .34 | 100 | .03 | 2 | 1.95 | .01 | .06 | 1 | 2 |
| 57391 | 1 | 16 | 19 | 89 | .2 | 9 | 4 | 287 | 2.66 | 10 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 45 | .14 | .021 | 12 | 18 | .33 | 83 | .04 | 11 | 1.64 | .01 | .05 | 1 | 2 |
| 57392 | 1 | 31 | 28 | 158 | .5 | 12 | 6 | 639 | 2.72 | 9 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 41 | .22 | .031 | 13 | 20 | .51 | 115 | .03 | 5 | 2.22 | .01 | .09 | 1 | 1 |
| 57393 | 1 | 15 | 25 | 123 | .4 | 10 | 5 | 308 | 2.94 | 10 | 5 | ND | 1 | 16 | 1 | 2 | 3 | 41 | .16 | .067 | 10 | 18 | .30 | 94 | .04 | 6 | 2.48 | .01 | .05 | 1 | 2 |
| 57394 | 1 | 22 | 27 | 88 | .2 | 9 | 5 | 316 | 1.74 | 6 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 31 | .22 | .020 | 14 | 15 | .33 | 111 | .04 | 2 | 1.90 | .01 | .06 | 1 | 4 |
| 57395 | 1 | 11 | 19 | 60 | .3 | 7 | 3 | 242 | 1.60 | 4 | 6 | ND | 1 | 16 | 1 | 2 | 2 | 30 | .17 | .039 | 11 | 13 | .32 | 60 | .04 | 4 | 1.38 | .01 | .05 | 1 | 1 |
| 57396 | 1 | 16 | 16 | 85 | .1 | 7 | 4 | 220 | 1.94 | 8 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 32 | .16 | .026 | 13 | 11 | .27 | 93 | .04 | 2 | 1.76 | .01 | .05 | 1 | 2 |
| 57397 | 1 | 26 | 24 | 112 | .3 | 10 | 5 | 339 | 2.21 | 5 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 33 | .21 | .037 | 15 | 18 | .46 | 92 | .04 | 3 | 2.27 | .01 | .09 | 1 | 1 |
| SPC 2/AD-5 | 18 | 51 | 40 | 132 | 7.1 | 20 | 31 | 1025 | 4.15 | 44 | 23 | 8 | 37 | 49 | 19 | 14 | 20 | 65 | .50 | .093 | 38 | 56 | .93 | 181 | .07 | 37 | 1.99 | .06 | .14 | 11 | 52 |

Copy to Dal + Mark.

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| SAMPLE# | Kc | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Tb | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Hg | Ba | Ti | B | Al | Na | K | W | Mo |
|------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | % | % | % | PPM | PPM | |
| 57395 | 1 | 16 | 19 | 89 | .5 | 7 | 4 | 213 | 1.71 | 3 | 6 | ND | 2 | 15 | 1 | 2 | 33 | .19 | .036 | 12 | 14 | .31 | 75 | .04 | 4 | 1.95 | .01 | .06 | 1 | 3 | |
| 57399 | 1 | 10 | 17 | 55 | .2 | 4 | 3 | 231 | 1.65 | 2 | 5 | ND | 1 | 14 | 1 | 2 | 35 | .12 | .017 | 12 | 11 | .25 | 46 | .05 | 7 | 1.11 | .01 | .04 | 1 | 3 | |
| 57400 | 1 | 19 | 15 | 90 | .1 | 7 | 4 | 217 | 1.99 | 6 | 5 | ND | 1 | 19 | 1 | 2 | 35 | .20 | .040 | 14 | 14 | .27 | 106 | .03 | 2 | 1.92 | .01 | .05 | 1 | 43 | |
| 100363 | 1 | 14 | 14 | 109 | .1 | 12 | 9 | 724 | 2.55 | 5 | 5 | ND | 2 | 16 | 1 | 2 | 43 | .15 | .152 | 10 | 15 | .28 | 136 | .04 | 2 | 2.80 | .01 | .05 | 1 | 1 | |
| 100354 | 1 | 10 | 10 | 100 | .1 | 10 | 6 | 240 | 2.41 | 8 | 5 | ND | 3 | 12 | 1 | 2 | 47 | .12 | .100 | 9 | 16 | .24 | 92 | .05 | 2 | 2.72 | .01 | .04 | 1 | 5 | |
| 100365 | 1 | 6 | 10 | 147 | .4 | 6 | 4 | 167 | 2.38 | 7 | 5 | ND | 3 | 10 | 1 | 2 | 51 | .11 | .135 | 9 | 15 | .16 | 94 | .05 | 3 | 3.63 | .01 | .04 | 1 | 2 | |
| 100355 | 1 | 14 | 22 | 116 | .5 | 9 | 5 | 508 | 2.01 | 5 | 6 | ND | 1 | 29 | 1 | 2 | 44 | .23 | .060 | 12 | 18 | .32 | 161 | .03 | 2 | 2.32 | .01 | .07 | 1 | 3 | |
| 100367 | 1 | 8 | 10 | 44 | .1 | 5 | 3 | 201 | 1.32 | 2 | 5 | ND | 1 | 25 | 1 | 2 | 32 | .27 | .034 | 14 | 11 | .20 | 98 | .06 | 12 | .92 | .01 | .03 | 2 | 1 | |
| 100366 | 1 | 8 | 15 | 52 | .1 | 5 | 2 | 139 | .95 | 2 | 6 | ND | 1 | 36 | 1 | 2 | 50 | .32 | .035 | 15 | 12 | .21 | 136 | .04 | 2 | 1.39 | .01 | .05 | 1 | 1 | |
| 100359 | 1 | 4 | 12 | 42 | .1 | 3 | 2 | 161 | 1.07 | 2 | 5 | ND | 1 | 15 | 1 | 2 | 25 | .17 | .015 | 12 | 9 | .20 | 59 | .06 | 3 | .93 | .01 | .04 | 2 | 2 | |
| 100370 | 1 | 7 | 14 | 59 | .1 | 5 | 3 | 330 | 1.45 | 2 | 5 | ND | 1 | 29 | 1 | 2 | 32 | .31 | .047 | 12 | 12 | .22 | 121 | .05 | 5 | 1.10 | .01 | .04 | 1 | 3 | |
| 100371 | 1 | 3 | 11 | 49 | .3 | 6 | 3 | 290 | 1.70 | 3 | 5 | ND | 2 | 23 | 1 | 2 | 36 | .26 | .046 | 12 | 13 | .26 | 88 | .07 | 7 | 1.32 | .01 | .05 | 1 | 32 | |
| 100373 | 1 | 8 | 6 | 46 | .1 | 5 | 3 | 178 | 1.42 | 2 | 5 | ND | 1 | 15 | 1 | 2 | 29 | .19 | .028 | 10 | 10 | .25 | 75 | .05 | 2 | 1.15 | .01 | .04 | 1 | 2 | |
| 100374 | 1 | 8 | 12 | 46 | .1 | 6 | 4 | 214 | 1.44 | 2 | 5 | ND | 1 | 26 | 1 | 2 | 30 | .24 | .029 | 9 | 12 | .29 | 101 | .06 | 2 | 1.32 | .01 | .04 | 1 | 2 | |
| 100375 | 1 | 11 | 11 | 68 | .1 | 9 | 5 | 171 | 2.13 | 5 | 5 | ND | 1 | 23 | 1 | 2 | 39 | .22 | .040 | 10 | 13 | .26 | 153 | .05 | 2 | 2.09 | .01 | .04 | 1 | 1 | |
| 100472 | 2 | 10 | 17 | 58 | .4 | 7 | 5 | 421 | 2.08 | 6 | 5 | ND | 1 | 40 | 1 | 2 | 41 | .39 | .061 | 12 | 14 | .27 | 149 | .03 | 2 | 1.32 | .01 | .06 | 1 | 1 | |
| 100475 | 1 | 13 | 22 | 143 | .3 | 8 | 6 | 952 | 2.79 | 12 | 5 | ND | 3 | 28 | 1 | 2 | 50 | .29 | .053 | 13 | 17 | .30 | 144 | .04 | 10 | 1.61 | .01 | .06 | 1 | 2 | |
| 100474 | 1 | 27 | 22 | 140 | .7 | 10 | 8 | 1047 | 5.81 | 9 | 5 | ND | 1 | 25 | 1 | 3 | 49 | .24 | .049 | 27 | 19 | .32 | 143 | .04 | 5 | 2.12 | .01 | .06 | 1 | 3 | |
| 100473 | 2 | 23 | 20 | 95 | .1 | 7 | 4 | 378 | 2.15 | 8 | 6 | ND | 1 | 23 | 1 | 2 | 44 | .23 | .029 | 33 | 14 | .24 | 124 | .05 | 5 | 1.57 | .01 | .04 | 1 | 2 | |
| 100476 | 1 | 12 | 17 | 68 | .1 | 5 | 3 | 154 | 1.75 | 4 | 5 | ND | 2 | 14 | 1 | 2 | 36 | .15 | .027 | 12 | 12 | .19 | 84 | .05 | 6 | 1.62 | .01 | .04 | 1 | 2 | |
| 100477 | 1 | 21 | 20 | 228 | .1 | 17 | 10 | 556 | 3.69 | 10 | 5 | ND | 3 | 12 | 1 | 2 | 71 | .16 | .110 | 10 | 23 | .32 | 90 | .06 | 2 | 2.62 | .01 | .05 | 1 | 9 | |
| 100475 | 1 | 9 | 13 | 73 | .1 | 6 | 4 | 287 | 2.07 | 2 | 5 | ND | 1 | 19 | 1 | 2 | 41 | .22 | .110 | 9 | 11 | .17 | 81 | .05 | 2 | 1.62 | .01 | .04 | 1 | 1 | |
| 100479 | 1 | 9 | 13 | 64 | .1 | 7 | 4 | 273 | 2.00 | 5 | 5 | ND | 2 | 28 | 1 | 2 | 43 | .32 | .048 | 12 | 15 | .34 | 103 | .06 | 7 | 1.39 | .01 | .05 | 1 | 3 | |
| 100480 | 1 | 9 | 17 | 66 | .1 | 11 | 7 | 212 | 2.71 | 8 | 5 | ND | 2 | 14 | 1 | 2 | 48 | .14 | .056 | 10 | 15 | .23 | 120 | .06 | 6 | 2.33 | .01 | .03 | 1 | 1 | |
| 100481 | 1 | 7 | 9 | 64 | .1 | 7 | 4 | 223 | 1.77 | 2 | 5 | ND | 3 | 21 | 1 | 2 | 35 | .23 | .032 | 12 | 13 | .28 | 101 | .06 | 8 | 1.57 | .01 | .04 | 1 | 2 | |
| 100482 | 1 | 6 | 8 | 41 | .1 | 4 | 2 | 351 | 1.12 | 2 | 5 | ND | 1 | 19 | 1 | 2 | 25 | .19 | .022 | 10 | 10 | .22 | 74 | .06 | 2 | 1.12 | .01 | .04 | 2 | 2 | |
| 100483 | 1 | 9 | 12 | 68 | .3 | 7 | 4 | 199 | 2.49 | 5 | 5 | ND | 3 | 13 | 1 | 2 | 47 | .13 | .073 | 11 | 14 | .22 | 87 | .06 | 4 | 1.77 | .01 | .04 | 1 | 1 | |
| 100484 | 1 | 4 | 12 | 38 | .1 | 4 | 2 | 166 | 1.20 | 2 | 5 | ND | 1 | 21 | 1 | 2 | 29 | .22 | .023 | 11 | 9 | .18 | 81 | .06 | 2 | .97 | .01 | .04 | 1 | 1 | |
| 100485 | 1 | 13 | 20 | 68 | .1 | 8 | 4 | 243 | 1.77 | 8 | 5 | ND | 1 | 24 | 1 | 2 | 41 | .26 | .034 | 16 | 16 | .33 | 105 | .06 | 9 | 1.58 | .01 | .05 | 1 | 1 | |
| 100486 | 1 | 16 | 18 | 85 | .1 | 9 | 5 | 407 | 1.83 | 3 | 5 | ND | 1 | 16 | 1 | 2 | 35 | .30 | .045 | 17 | 17 | .32 | 170 | .04 | 2 | 2.08 | .01 | .06 | 1 | 1 | |
| 100487 | 1 | 11 | 20 | 76 | .1 | 9 | 5 | 199 | 1.86 | 5 | 5 | ND | 1 | 22 | 1 | 2 | 34 | .22 | .051 | 14 | 13 | .28 | 136 | .06 | 2 | 2.15 | .01 | .04 | 1 | 2 | |
| 100489 | 1 | 11 | 14 | 73 | .1 | 9 | 4 | 209 | 1.91 | 5 | 5 | ND | 3 | 24 | 1 | 2 | 36 | .24 | .055 | 11 | 16 | .26 | 135 | .06 | 7 | 2.13 | .01 | .05 | 1 | 2 | |
| 100489 | 1 | 9 | 16 | 108 | .3 | 8 | 4 | 207 | 2.39 | 7 | 5 | ND | 3 | 13 | 1 | 2 | 42 | .17 | .112 | 11 | 15 | .24 | 86 | .05 | 6 | 1.97 | .01 | .05 | 2 | 104 | |
| 100490 | 2 | 15 | 15 | 86 | .3 | 9 | 6 | 594 | 3.20 | 9 | 5 | ND | 1 | 34 | 1 | 2 | 40 | .30 | .068 | 17 | 16 | .30 | 171 | .03 | 11 | 2.23 | .01 | .06 | 1 | 5 | |
| 100491 | 1 | 13 | 6 | 51 | .1 | 9 | 4 | 229 | 2.00 | 8 | 5 | ND | 1 | 28 | 1 | 2 | 40 | .31 | .055 | 14 | 13 | .30 | 129 | .05 | 2 | 1.44 | .01 | .05 | 1 | 1 | |
| 100492 | 1 | 12 | 4 | 40 | .1 | 5 | 3 | 184 | 1.27 | 2 | 5 | ND | 1 | 20 | 1 | 2 | 28 | .21 | .031 | 10 | 10 | .20 | 70 | .06 | 2 | .94 | .01 | .04 | 3 | 1 | |
| STD C/AD-S | 18 | 62 | 39 | 132 | 7.1 | 72 | 30 | 1029 | 4.16 | 64 | 18 | 8 | 37 | 50 | 19 | 13 | 23 | 61 | .53 | .095 | 39 | 57 | .90 | 179 | .07 | 35 | 2.98 | .06 | .14 | 12 | 33 |

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Mn PPM | Co PPM | Ni PPM | Fe % | As PPM | V PPM | Cr PPM | U PPM | Th PPM | Se PPM | Bi PPM | Y PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | Sr PPM | Al % | Si % | K % | W PPM | Zn* PPM | |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|-----------|---------|---------|--------|----------|------------|----|
| 100493 | 1 | 8 | 11 | 54 | .1 | 6 | 4 | 250 | 1.56 | 2 | 5 | ND | 1 | 25 | 1 | 2 | 31 | .23 | .035 | 12 | 10 | .20 | 109 | .05 | 6 | 1.31 | .01 | .05 | 1 | 1 | |
| 100494 | 1 | 9 | 9 | 52 | .3 | 6 | 4 | 333 | 1.69 | 2 | 5 | ND | 2 | 23 | 1 | 2 | 35 | .23 | .025 | 11 | 12 | .23 | 110 | .05 | 11 | 1.25 | .01 | .04 | 1 | 1 | |
| 100495 | 1 | 5 | 8 | 37 | .1 | 4 | 5 | 184 | 1.54 | 2 | 5 | ND | 1 | 20 | 1 | 2 | 29 | .22 | .027 | 10 | 11 | .23 | 73 | .06 | 2 | .95 | .01 | .04 | 1 | 2 | |
| 100496 | 1 | 9 | 9 | 54 | .1 | 7 | 4 | 140 | 1.60 | 2 | 5 | ND | 1 | 27 | 1 | 2 | 33 | .27 | .023 | 11 | 13 | .29 | 113 | .05 | 4 | 1.26 | .01 | .04 | 1 | 3 | |
| 100497 | 1 | 10 | 9 | 54 | .2 | 10 | 5 | 275 | 2.11 | 2 | 5 | ND | 2 | 24 | 1 | 2 | 40 | .25 | .035 | 11 | 16 | .35 | 126 | .05 | 4 | 1.76 | .01 | .05 | 1 | 4 | |
| 100498 | 1 | 11 | 10 | 96 | .2 | 7 | 7 | 1463 | 1.54 | 2 | 5 | ND | 1 | 77 | 1 | 2 | 31 | .01 | .059 | 25 | 13 | .26 | 223 | .04 | 6 | 1.40 | .01 | .05 | 1 | 1 | |
| 100499 | 1 | 6 | 8 | 45 | .2 | 6 | 3 | 179 | 1.53 | 2 | 5 | ND | 1 | 20 | 1 | 2 | 35 | .20 | .025 | 10 | 12 | .22 | 81 | .06 | 3 | 1.04 | .01 | .04 | 2 | 2 | |
| 100500 | 1 | 9 | 8 | 86 | .1 | 10 | 6 | 253 | 2.44 | 2 | 5 | ND | 2 | 15 | 1 | 2 | 44 | .17 | .099 | 15 | 16 | .17 | 92 | .06 | 2 | 2.49 | .01 | .06 | 1 | 3 | |
| 100501 | 1 | 9 | 12 | 50 | .2 | 11 | 5 | 200 | 2.40 | 3 | 5 | ND | 2 | 23 | 1 | 2 | 46 | .21 | .094 | 9 | 16 | .21 | 163 | .06 | 3 | 1.84 | .01 | .05 | 1 | 2 | |
| 100502 | 1 | 6 | 5 | 60 | .1 | 7 | 4 | 142 | 2.11 | 2 | 5 | ND | 1 | 15 | 1 | 2 | 47 | .14 | .068 | 2 | 12 | .14 | 89 | .05 | 2 | 1.41 | .01 | .04 | 1 | 2 | |
| 100503 | 1 | 7 | 11 | 69 | .1 | 7 | 4 | 154 | 2.24 | 4 | 5 | ND | 2 | 14 | 1 | 2 | 40 | .15 | .091 | 9 | 12 | .17 | 87 | .04 | 2 | 1.47 | .01 | .04 | 1 | 1 | |
| 100504 | 1 | 6 | 5 | 60 | .1 | 6 | 3 | 245 | 1.25 | 2 | 5 | ND | 1 | 25 | 1 | 2 | 25 | .30 | .039 | 9 | 13 | .27 | 81 | .06 | 4 | 1.10 | .01 | .04 | 1 | 2 | |
| 100505 | 1 | 5 | 11 | 72 | .2 | 9 | 5 | 181 | 2.79 | 5 | 5 | ND | 1 | 26 | 1 | 2 | 48 | .27 | .160 | 11 | 16 | .23 | 133 | .06 | 4 | 1.74 | .01 | .05 | 1 | 2 | |
| 100506 | 1 | 11 | 9 | 66 | .1 | 7 | 4 | 230 | 1.57 | 2 | 5 | ND | 1 | 34 | 1 | 2 | 32 | .35 | .040 | 19 | 15 | .29 | 123 | .06 | 2 | 1.41 | .01 | .05 | 1 | 1 | |
| 100507 | 1 | 74 | 25 | 119 | .7 | 29 | 21 | 992 | 2.24 | 10 | 18 | ND | 5 | 95 | 1 | 2 | 110 | .89 | .076 | 73 | 43 | .61 | 294 | .02 | 3 | 4.91 | .02 | .16 | 1 | 2 | |
| 100508 | 1 | 5 | 9 | 37 | .1 | 5 | 3 | 141 | 1.08 | 2 | 5 | ND | 1 | 19 | 1 | 2 | 25 | .22 | .037 | 10 | 11 | .22 | 79 | .06 | 2 | 1.09 | .01 | .04 | 2 | 5 | |
| 100509 | 1 | 7 | 10 | 51 | .3 | 4 | 3 | 135 | 1.50 | 2 | 5 | ND | 2 | 14 | 1 | 2 | 35 | .14 | .027 | 8 | 12 | .12 | 78 | .06 | 7 | .99 | .01 | .04 | 1 | 2 | |
| 100510 | 1 | 13 | 13 | 42 | .1 | 5 | 3 | 137 | 1.17 | 2 | 5 | ND | 1 | 35 | 1 | 2 | 31 | .33 | .019 | 21 | 13 | .17 | 135 | .05 | 10 | 1.05 | .01 | .04 | 1 | 1 | |
| 100511 | 1 | 7 | 5 | 44 | .1 | 6 | 4 | 226 | 2.22 | 2 | 5 | ND | 1 | 24 | 1 | 2 | 46 | .25 | .041 | 9 | 15 | .25 | 97 | .07 | 2 | 1.17 | .01 | .04 | 1 | 1 | |
| 100512 | 1 | 21 | 13 | 62 | .1 | 12 | 8 | 484 | 3.14 | 4 | 5 | ND | 4 | 17 | 1 | 2 | 59 | .40 | .058 | 16 | 25 | .41 | 174 | .07 | 6 | 1.86 | .01 | .08 | 1 | 1 | |
| 100513 | 1 | 8 | 6 | 40 | .1 | 7 | 4 | 263 | 2.01 | 3 | 5 | ND | 2 | 30 | 1 | 2 | 46 | .33 | .052 | 11 | 16 | .28 | 112 | .08 | 6 | 1.14 | .01 | .06 | 1 | 2 | |
| 100514 | 1 | 8 | 8 | 42 | .1 | 7 | 5 | 255 | 1.97 | 2 | 5 | ND | 2 | 24 | 1 | 2 | 43 | .27 | .046 | 11 | 14 | .25 | 111 | .07 | 3 | 1.04 | .01 | .04 | 1 | 1 | |
| 100515 | 1 | 17 | 14 | 82 | .1 | 13 | 7 | 452 | 2.99 | 8 | 5 | ND | 2 | 22 | 1 | 2 | 51 | .20 | .069 | 13 | 21 | .35 | 162 | .05 | 2 | 3.02 | .01 | .07 | 1 | 2 | |
| 100516 | 1 | 18 | 14 | 78 | .2 | 13 | 7 | 270 | 2.68 | 4 | 5 | ND | 3 | 18 | 1 | 2 | 49 | .18 | .083 | 13 | 21 | .37 | 122 | .05 | 4 | 3.21 | .01 | .06 | 1 | 1 | |
| 100517 | 1 | 12 | 8 | 46 | .2 | 8 | 5 | 257 | 1.86 | 4 | 5 | ND | 2 | 30 | 1 | 2 | 40 | .34 | .038 | 18 | 14 | .33 | 132 | .08 | 16 | 1.09 | .02 | .05 | 2 | 1 | |
| 100518 | 1 | 12 | 17 | 82 | .1 | 9 | 6 | 365 | 2.40 | 6 | 5 | ND | 1 | 24 | 1 | 2 | 52 | .22 | .056 | 13 | 17 | .27 | 131 | .06 | 13 | 1.66 | .01 | .06 | 1 | 1 | |
| 100519 | 1 | 10 | 12 | 49 | .1 | 9 | 5 | 246 | 2.36 | 6 | 5 | ND | 2 | 24 | 1 | 2 | 47 | .26 | .053 | 12 | 15 | .29 | 111 | .06 | 14 | 1.41 | .01 | .05 | 1 | 2 | |
| 100520 | 1 | 12 | 13 | 61 | .1 | 8 | 5 | 338 | 1.78 | 4 | 5 | ND | 1 | 40 | 1 | 2 | 36 | .37 | .035 | 15 | 17 | .16 | 124 | .07 | 4 | 1.17 | .02 | .07 | 1 | 2 | |
| 100521 | 1 | 9 | 11 | 50 | .1 | 7 | 4 | 282 | 1.70 | 2 | 5 | ND | 1 | 34 | 1 | 2 | 36 | .32 | .030 | 12 | 14 | .35 | 110 | .07 | 10 | 1.07 | .02 | .06 | 1 | 4 | |
| 100522 | 1 | 6 | 11 | 39 | .1 | 6 | 4 | 305 | 1.55 | 3 | 5 | ND | 2 | 32 | 1 | 2 | 36 | .40 | .059 | 15 | 14 | .25 | 89 | .08 | 4 | .81 | .02 | .05 | 1 | 1 | |
| 100523 | 1 | 4 | 11 | 60 | .1 | 5 | 3 | 293 | 1.31 | 4 | 5 | ND | 2 | 27 | 1 | 2 | 29 | .31 | .036 | 14 | 11 | .29 | 69 | .08 | 5 | .78 | .01 | .05 | 2 | 1 | |
| 100524 | 1 | 16 | 19 | 129 | .1 | 13 | 7 | 292 | 3.23 | 7 | 5 | ND | 3 | 27 | 1 | 2 | 49 | .23 | .050 | 14 | 19 | .38 | 157 | .05 | 2 | 2.71 | .01 | .09 | 1 | 4 | |
| 100525 | 1 | 7 | 15 | 49 | .1 | 6 | 6 | 366 | 1.73 | 3 | 5 | ND | 1 | 31 | 1 | 2 | 33 | .33 | .046 | 14 | 13 | .32 | 100 | .07 | 6 | 1.09 | .01 | .06 | 1 | 3 | |
| 100526 | 1 | 7 | 19 | 45 | .1 | 5 | 5 | 396 | 1.79 | 6 | 5 | ND | 3 | 30 | 1 | 2 | 36 | .34 | .049 | 14 | 12 | .31 | 82 | .07 | 3 | 1.01 | .01 | .06 | 1 | 2 | |
| 100527 | 1 | 7 | 18 | 63 | .1 | 7 | 5 | 381 | 1.80 | 3 | 5 | ND | 1 | 29 | 1 | 2 | 37 | .31 | .041 | 12 | 13 | .31 | 88 | .06 | 3 | 1.22 | .01 | .05 | 1 | 3 | |
| 100528 | 1 | 8 | 19 | 74 | .2 | 9 | 5 | 241 | 2.34 | 6 | 5 | ND | 2 | 35 | 1 | 2 | 44 | .34 | .059 | 12 | 13 | .28 | 100 | .06 | 9 | 1.41 | .01 | .06 | 1 | 2 | |
| STD C/KO-5 | 18 | 61 | 43 | 132 | 6.9 | 71 | 31 | 1028 | 4.25 | 41 | 18 | 7 | 36 | 49 | 19 | 17 | 21 | 60 | .50 | .093 | 38 | 57 | .93 | 182 | .07 | 33 | 1.88 | .06 | .11 | 11 | 49 |

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Tb PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Si % | K % | W PPM | Au* PPM |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------|
| 100529 | 1 | 15 | 26 | 65 | .1 | 8 | 6 | 534 | 2.69 | 7 | 5 | ND | 3 | 32 | 1 | 2 | 2 | 47 | .32 | .045 | 15 | 17 | .37 | 116 | .07 | 2 | 1.61 | .01 | .07 | 1 | 13 |
| 100530 | 1 | 7 | 12 | 51 | .1 | 4 | 3 | 173 | 1.42 | 2 | 5 | ND | 1 | 23 | 1 | 2 | 2 | 29 | .22 | .029 | 9 | 10 | .19 | 87 | .05 | 7 | 1.06 | .01 | .04 | 1 | 8 |
| 100531 | 1 | 8 | 15 | 69 | .1 | 5 | 5 | 538 | 1.53 | 2 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 39 | .29 | .043 | 12 | 11 | .25 | 108 | .04 | 5 | 1.16 | .01 | .05 | 1 | 1 |
| 100532 | 1 | 8 | 18 | 76 | .1 | 11 | 6 | 242 | 2.60 | 3 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 46 | .19 | .085 | 11 | 15 | .37 | 125 | .05 | 5 | 2.02 | .01 | .05 | 1 | 1 |
| 100533 | 1 | 10 | 17 | 45 | .1 | 9 | 5 | 214 | 1.99 | 5 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 37 | .25 | .041 | 12 | 13 | .39 | 126 | .06 | 2 | 1.57 | .01 | .05 | 2 | 1 |
| 100534 | 1 | 7 | 15 | 44 | .1 | 5 | 3 | 203 | 1.57 | 3 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 30 | .21 | .033 | 12 | 11 | .25 | 90 | .05 | 2 | 1.22 | .01 | .04 | 2 | 5 |
| 100535 | 1 | 9 | 15 | 71 | .1 | 10 | 6 | 401 | 2.26 | 2 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 43 | .20 | .106 | 9 | 15 | .21 | 132 | .05 | 5 | 1.81 | .01 | .06 | 1 | 13 |
| 100536 | 1 | 9 | 7 | 42 | .1 | 8 | 5 | 257 | 2.51 | 5 | 5 | ND | 3 | 32 | 1 | 2 | 2 | 54 | .23 | .028 | 10 | 17 | .34 | 139 | .08 | 16 | 1.23 | .01 | .05 | 3 | 1 |
| 100537 | 1 | 8 | 66 | 66 | .1 | 6 | 4 | 308 | 1.82 | 3 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 34 | .27 | .061 | 13 | 12 | .31 | 102 | .05 | 9 | 1.45 | .01 | .05 | 1 | 4 |
| 100538 | 1 | 7 | 18 | 99 | .1 | 7 | 5 | 234 | 2.42 | 2 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 41 | .16 | .120 | 11 | 14 | .31 | 103 | .04 | 2 | 1.91 | .01 | .05 | 1 | 1 |
| 100539 | 1 | 15 | 15 | 69 | .1 | 10 | 6 | 393 | 2.60 | 4 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 45 | .24 | .073 | 12 | 17 | .33 | 122 | .04 | 2 | 2.61 | .01 | .06 | 1 | 5 |
| 100540 | 1 | 10 | 10 | 49 | .1 | 6 | 4 | 229 | 1.79 | 2 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 32 | .18 | .039 | 9 | 11 | .22 | 139 | .05 | 19 | 1.79 | .01 | .05 | 1 | 1 |
| 100541 | 1 | 12 | 15 | 99 | .1 | 13 | 6 | 190 | 2.55 | 6 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 44 | .16 | .120 | 9 | 15 | .23 | 110 | .05 | 4 | 2.69 | .01 | .05 | 1 | 1 |
| 100542 | 1 | 10 | 10 | 35 | .1 | 6 | 3 | 146 | 1.74 | 4 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 32 | .23 | .040 | 9 | 11 | .36 | 98 | .05 | 2 | 1.44 | .01 | .04 | 1 | 7 |
| 100543 | 1 | 9 | 8 | 45 | .1 | 5 | 4 | 268 | 1.70 | 2 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 33 | .20 | .035 | 10 | 13 | .24 | 105 | .06 | 14 | 1.23 | .01 | .04 | 2 | 3 |
| 100544 | 1 | 8 | 14 | 42 | .1 | 7 | 4 | 311 | 1.90 | 6 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 38 | .27 | .044 | 11 | 13 | .26 | 123 | .07 | 13 | 1.25 | .02 | .04 | 1 | 5 |
| 100545 | 1 | 7 | 6 | 42 | .1 | 7 | 5 | 287 | 1.64 | 4 | 5 | ND | 2 | 26 | 1 | 2 | 2 | 35 | .31 | .043 | 11 | 12 | .24 | 126 | .06 | 2 | 1.35 | .01 | .04 | 1 | 2 |
| 100546 | 1 | 9 | 14 | 62 | .1 | 7 | 15 | 202 | 2.02 | 5 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 40 | .25 | .035 | 9 | 12 | .27 | 155 | .05 | 2 | 1.54 | .01 | .05 | 1 | 1 |
| 100547 | 1 | 15 | 14 | 62 | .1 | 10 | 8 | 619 | 2.64 | 3 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 51 | .33 | .061 | 14 | 17 | .32 | 165 | .06 | 2 | 1.67 | .01 | .06 | 1 | 7 |
| 100548 | 1 | 7 | 8 | 51 | .1 | 5 | 3 | 470 | 1.29 | 2 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 26 | .27 | .022 | 10 | 9 | .20 | 125 | .05 | 2 | .99 | .01 | .04 | 1 | 1 |
| 100549 | 1 | 7 | 9 | 29 | .1 | 4 | 4 | 173 | 1.60 | 4 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 32 | .25 | .046 | 10 | 10 | .22 | 103 | .05 | 2 | 1.25 | .01 | .03 | 1 | 5 |
| 100550 | 1 | 10 | 14 | 46 | .1 | 7 | 5 | 296 | 1.74 | 2 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 37 | .29 | .036 | 14 | 15 | .29 | 119 | .06 | 2 | 1.19 | .01 | .05 | 1 | 1 |
| STD C/AJ-S | 19 | 62 | 42 | 132 | 7.0 | 70 | 30 | 1025 | 4.32 | 43 | 16 | 8 | 37 | 50 | 19 | 14 | 22 | 60 | .51 | .093 | 38 | 55 | .89 | 179 | .07 | 34 | 2.02 | .06 | .14 | 11 | 51 |

18 soils
4
 22 soils
 15 0
 7 7

| SAMPLE# | Ko PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Mi PPM | Co PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Th PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Cr % | P % | La PPM | Cr PPM | Hg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | AU* PPB |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------|
| 100362 | 6 | 15 | 17 | 145 | .1 | 9 | 11 | 1974 | 2.99 | 6 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 39 | .27 | .042 | 15 | 12 | .34 | 132 | .04 | 2 | 1.13 | .02 | .08 | 1 | 1 |
| 100371 | 3 | 12 | 17 | 80 | .1 | 7 | 8 | 1159 | 2.45 | 8 | 5 | ND | 1 | 35 | 1 | 2 | 2 | 19 | .33 | .057 | 14 | 12 | .29 | 135 | .03 | 2 | 1.27 | .01 | .04 | 1 | 2 |

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | S PPM | Au PPM | Th PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | Au ⁺ PPB |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|------------------------|
| 36368 | 1 | 23 | 2 | 62 | .1 | 21 | 10 | 440 | 2.83 | 2 | 5 | ND | 6 | 22 | 1 | 2 | 2 | 68 | .45 | .093 | 15 | 29 | .30 | 78 | .86 | 2 | .62 | .05 | .07 | 1 | 1 |
| 36375 | 2 | 37 | 2 | 45 | .2 | 14 | 10 | 384 | 2.31 | 2 | 5 | ND | 4 | 22 | 1 | 2 | 2 | 44 | .30 | .074 | 12 | 25 | .16 | 94 | .83 | 2 | .70 | .03 | .12 | 1 | 1 |
| 38267 | 1 | 25 | 2 | 94 | .1 | 16 | 12 | 552 | 2.44 | 3 | 5 | ND | 5 | 21 | 1 | 2 | 2 | 50 | .41 | .099 | 15 | 26 | .21 | 80 | .02 | 3 | .60 | .03 | .10 | 1 | 3 |
| 38268 | 1 | 31 | 2 | 30 | .1 | 12 | 5 | 140 | 1.65 | 4 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 67 | .40 | .083 | 11 | 20 | .08 | 67 | .13 | 9 | .37 | .07 | .07 | 1 | 2 |
| 38269 | 1 | 29 | 2 | 36 | .1 | 14 | 9 | 250 | 2.38 | 2 | 5 | ND | 5 | 21 | 1 | 2 | 2 | 36 | .32 | .092 | 16 | 30 | .17 | 94 | .03 | 2 | .80 | .02 | .07 | 1 | 1 |
| 38270 | 5 | 65 | 104 | .4 | 9 | 4 | 741 | 1.37 | 6 | 5 | ND | 7 | 10 | 1 | 2 | 4 | 4 | .30 | .012 | 20 | 7 | .08 | 61 | .01 | 5 | .36 | .03 | .13 | 1 | 2 | |
| 100358 | 5 | 7 | 24 | .2 | 13 | 1 | 185 | .81 | 6 | 5 | ND | 12 | 2 | 1 | 2 | 2 | 3 | .02 | .006 | 11 | 10 | .02 | 32 | .01 | 2 | .26 | .04 | .09 | 1 | 4 | |
| 100359 | 4 | 8 | 4 | 21 | .1 | 8 | 1 | 147 | .92 | 4 | 5 | ND | 9 | 1 | 1 | 2 | 2 | 3 | .02 | .005 | 20 | 5 | .01 | 31 | .01 | 2 | .20 | .03 | .09 | 1 | 1 |
| STD C/AD-R | 18 | 62 | 40 | 132 | 6.7 | 68 | 31 | 1013 | 1.13 | 40 | 21 | 7 | 37 | 48 | 14 | 14 | 22 | 59 | .51 | .080 | 39 | 56 | .91 | 175 | .07 | 34 | 1.90 | .06 | .13 | 11 | 530 |

Re. S/S: 30 ICP + Au from

Lab Code 8906-099

Central Cord District

RECORD OF SAMPLE TRANSMITTAL

NORANDA EXPLORATION COMPANY, LIMITED
 P.O. BOX 2380
 1050 DAVIE STREET
 VANCOUVER, B.C.
 V6B 3T5

Date Shipped: June 22/89
 Date Received: June 26/88
 Shipped Via: Greyhound Bus
 No. of Cartons: 3
 No. of Samples: 140
 Geologist: Mark Listovich
 Date: June 22/89

MATERIAL:

- SOIL
- SILT
- ROCK

Project Ootsa No. 260

| SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT |
|---------------------|------------|-------------|-------------|-------------|---------------------|------------|-------------|-------------|-------------|
| FROM/LINE | TO/STATION | | | | FROM/LINE | TO/STATION | | | |
| 6374 | Soil | 93E/15E | | | 100520 | Soil | 93E/15E | | |
| 20362 | Silt | | | NiW | 1 | " | | | |
| 3 | Soil | | | | 2 | " | | | |
| 4 | " | | | | 3 | " | | | |
| 5 | " | | | | 4 | " | | | |
| 6 | " | | | | 5 | " | | | |
| 7 | " | | | | 6 | " | | | |
| 8 | " | | | | 7 | " | | | |
| 9 | " | | | | 8 | " | | | |
| 20370 | " | | | | 9 | " | | | |
| 1 | Silt | | NiW | 100530 | " | | | | |
| 2 | Soil | | | 1 | " | | | | |
| 3 | " | | | 2 | " | | | | |
| 4 | " | | | 3 | " | | | | |
| 5 | " | | | 4 | " | | | | |
| 100511 | " | | | 5 | " | | | | |
| 2 | " | | | 6 | " | | | | |
| 3 | " | | | 7 | " | | | | |
| 4 | " | | | 8 | " | | | | |
| 5 | " | | | 9 | " | | | | |
| 6 | " | | | 100540 | " | | | | |
| 7 | " | | | 1 | " | | | | |
| 8 | " | | | 2 | " | | | | |
| 9 | " | | | 3 | " | | | | |

ANALYTICAL INSTRUCTIONS

ALL SAMPLES: (Cu, Pb, Zn, Mo, Ag)
 (Cu, Pb, Zn, Mo, Ag) + Au+
 (Cu, Pb, Zn, Mo, Ag) + AS NOTED

SPECIAL INSTRUCTIONS OR REMARKS:
 30 ICP + Au by AA

RESULTS TO: Del Meyers
 Prince George

Ni AND W ON Silts

Central Cord District

RECORD OF SAMPLE TRANSMITTAL

NORANDA EXPLORATION COMPANY, LIMITED
 P.O. BOX 2380
 1050 DAVIE STREET
 VANCOUVER, B.C.
 V6B 3T5

MATERIAL:
 SOIL
 SILT
 ROCK

Date Shipped: June 22/89
 Date Received: _____
 Shipped Via: Greyhound Bus.
 No. of Cartons: 3
 No. of Samples: 140
 Geologist: Mark Zistovich
 Date: June 22/89

Object Ootsa No. 260

| SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | | | SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | | | | | | | | | | | | | | |
|---------------------|------------|-------------|-------------|-------------|---|---|---------------------|------------|-------------|-------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM/LINE | TO/STATION | | | | | | FROM/LINE | TO/STATION | | | | | | | | | | | | | | | | | |
| 20472 | Soil | 93E/15E | | | | | 100496 | Soil | 93E/15E | | | | | | | | | | | | | | | | |
| 3 | } | } | } | } | } | } | 7 | } | } | } | } | } | } | | | | | | | | | | | | |
| 4 | | | | | | | 8 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | 9 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | 100500 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| 20480 | | | | | | | } | | | | | | | } | } | } | } | } | 4 | } | } | } | } | } | } |
| 1 | | | | | | | | | | | | | | | | | | | 5 | | | | | | |
| 2 | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 100510 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 36365 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20490 | } | } | } | } | } | } | 8 | Rock | } | } | } | } | } | | | | | | | | | | | | |
| 1 | | | | | | | 9 | Soil | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | 36370 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 5 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |

ANALYTICAL INSTRUCTIONS: ALL SAMPLES: (Cu, Pb, Zn, Mo, Ag) (Cu, Pb, Zn, Mo, Ag) + Au (Cu, Pb, Zn, Mo, Ag) + AS NOTED

SPECIAL INSTRUCTIONS OR REMARKS: 30 ICP + Au by AA

RESULTS TO: Del Meyers
Prince George

Central Cord District

RECORD OF SAMPLE TRANSMITTAL

NORANDA EXPLORATION COMPANY, LIMITED
 P.O. BOX 2380
 1050 DAVIE STREET
 VANCOUVER, B.C.
 V6B 3T5

MATERIAL:
 SOIL
 SILT
 ROCK

Date Shipped: June 22/89
 Date Received: _____
 Shipped Via: Greyhound Bus
 No. of Cartons: 3
 No. of Samples: 140
 Geologist: Mart Listovich
 Date: June 22/89

Project Ootsa No. 260

| SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | | | | | | |
|---------------------|------------|-------------|-------------|-------------|---------------------|------------|-------------|-------------|-------------|--|-------|---|--|--|--|
| FROM/LINE | TO/STATION | | | | FROM/LINE | TO/STATION | | | | | | | | | |
| 20544 | Soil | 93E/15E | | | 57383 | Soil | 93E/15E | | | | | | | | |
| 5 | " | } | | | 4 | " | } | | | | | | | | |
| 6 | " | | | | 5 | " | | | | | | | | | |
| 7 | " | | | | 6 | " | | | | | | | | | |
| 8 | " | | | | 7 | " | | | | | | | | | |
| 9 | " | | | | 8 | " | | | | | | | | | |
| | | | | | 9 | " | | | | | | | | | |
| 20550 | " | | | | | | | | | | 57390 | " | | | |
| 7 | " | | | | | | | | | | 1 | " | | | |
| 8 | " | | | | | | | | | | 2 | " | | | |
| 9 | " | | | | 3 | " | | | | | | | | | |
| 38267 | Rock | | | | 4 | " | | | | | | | | | |
| 8 | Rock | | | | 5 | " | | | | | | | | | |
| 9 | Rock | | | | 6 | " | | | | | | | | | |
| 6375 | Rock | | | | 7 | " | | | | | | | | | |
| 38270 | Rock | | | | 8 | " | | | | | | | | | |
| 38271 | Soil | | | | 9 | " | | | | | | | | | |
| 2 | " | | | | 57400 | " | | | | | | | | | |
| 3 | " | | | | 100358 | Rock | | | | | | | | | |
| 4 | " | | | | 100359 | Rock | | | | | | | | | |
| 38275 | " | | | | | | | | | | | | | | |
| 37380 | " | | | | | | | | | | | | | | |
| 1 | " | | | | | | | | | | | | | | |
| 2 | " | | | | | | | | | | | | | | |

ANALYTICAL INSTRUCTIONS: ALL SAMPLES: (Cu, Pb, Zn, Mo, Ag) SPECIAL INSTRUCTIONS OR REMARKS: 30 ICP + Au by AA
 (Cu, Pb, Zn, Mo, Ag) + Au +
 (Cu, Pb, Zn, Mo, Ag) + AS NOTED
 RESULTS TO: Del Meyers
Prince George

Ootsa (ML)

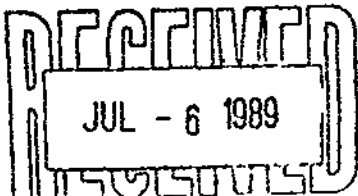
GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P EA CR NG BA TI S W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Soil -80 Wash AU* ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE.

DATE RECEIVED: JUN 26 1989 DATE REPORT MAILED: July 3/89 SIGNED BY: C. Long D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION CO. LTD. PROJECT 8907-004 260 File # 89-1789

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Mn | Co | Ni | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | Ea | Cr | Ng | Ba | Tl | B | Al | Na | K | W | Au* |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | PPM | PPB | |
| 105501 | 1 | 13 | CL | 108 | .7 | 3 | 5 | 439 | 3.18 | 5 | 5 | ND | 2 | 9 | 1 | 2 | 2 | 50 | .08 | .144 | 10 | 14 | .12 | 70 | .03 | 6 | 1.70 | .01 | .04 | 1 | 2 |
| 105502 | 1 | 17 | 20 | 104 | .5 | 8 | 5 | 246 | 1.89 | 2 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 31 | .13 | .028 | 12 | 13 | .16 | 63 | .03 | 2 | 1.52 | .01 | .04 | 1 | 4 |
| 105503 | 1 | 12 | 17 | 79 | .4 | 8 | 4 | 181 | 1.78 | 2 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 28 | .17 | .020 | 12 | 10 | .29 | 67 | .04 | 2 | 1.24 | .01 | .04 | 1 | 1 |
| 105504 | 2 | 23 | 25 | 116 | .6 | 11 | 5 | 235 | 2.64 | 5 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 39 | .16 | .052 | 13 | 17 | .38 | 87 | .03 | 4 | 2.49 | .01 | .06 | 1 | 12 |
| 105505 | 1 | 22 | 17 | 77 | .4 | 7 | 4 | 160 | 1.96 | 2 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 30 | .14 | .018 | 14 | 13 | .28 | 103 | .03 | 3 | 2.10 | .01 | .05 | 1 | 6 |
| 105506 | 1 | 24 | 20 | 107 | .6 | 9 | 5 | 199 | 1.78 | 2 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 28 | .11 | .024 | 12 | 14 | .31 | 88 | .02 | 3 | 1.84 | .01 | .06 | 1 | 9 |
| 105507 | 1 | 12 | 16 | 59 | .3 | 6 | 3 | 142 | 1.86 | 2 | 5 | ND | 2 | 13 | 1 | 2 | 3 | 31 | .11 | .013 | 10 | 11 | .20 | 53 | .04 | 3 | 1.46 | .01 | .04 | 1 | 3 |
| 105508 | 1 | 14 | 14 | 50 | .2 | 5 | 3 | 146 | 1.71 | 4 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 29 | .10 | .021 | 10 | 11 | .22 | 43 | .04 | 5 | 1.14 | .01 | .04 | 1 | 5 |
| 105509 | 1 | 30 | 23 | 95 | .7 | 13 | 6 | 294 | 2.39 | 2 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 34 | .18 | .043 | 13 | 17 | .39 | 102 | .03 | 7 | 2.18 | .01 | .06 | 1 | 11 |
| 105510 | 1 | 14 | 18 | 62 | .5 | 4 | 4 | 164 | 2.24 | 4 | 5 | ND | 1 | 12 | 1 | 2 | 2 | 38 | .10 | .030 | 11 | 12 | .18 | 63 | .04 | 2 | 1.11 | .01 | .04 | 1 | 1 |
| 105511 | 1 | 15 | 19 | 82 | .4 | 8 | 4 | 191 | 2.52 | 8 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 37 | .16 | .036 | 12 | 13 | .24 | 74 | .04 | 4 | 1.44 | .01 | .04 | 1 | 3 |
| 105512 | 1 | 19 | 16 | 96 | .2 | 8 | 5 | 207 | 1.98 | 3 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 32 | .21 | .029 | 13 | 13 | .30 | 129 | .04 | 3 | 1.63 | .01 | .04 | 1 | 4 |
| 105513 | 1 | 12 | 18 | 69 | .4 | 6 | 4 | 178 | 1.66 | 4 | 5 | ND | 2 | 13 | 1 | 3 | 2 | 30 | .11 | .019 | 9 | 11 | .29 | 65 | .03 | 2 | 1.33 | .01 | .04 | 1 | 2 |
| 105514 | 1 | 10 | 18 | 56 | .2 | 6 | 4 | 176 | 1.57 | 2 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 30 | .21 | .029 | 13 | 11 | .27 | 74 | .04 | 16 | 1.25 | .01 | .04 | 1 | 2 |
| 105515 | 1 | 14 | 24 | CL | .8 | 6 | 9 | 899 | 3.25 | 8 | 5 | ND | 3 | 9 | 1 | 2 | 3 | 44 | .12 | .203 | 8 | 16 | .20 | 72 | .03 | 4 | 2.48 | .01 | .04 | 1 | 3 |
| 105516 | 1 | 15 | 23 | 126 | .6 | 7 | 7 | 594 | 3.47 | 9 | 5 | ND | 3 | 10 | 1 | 4 | 2 | 46 | .13 | .259 | 9 | 16 | .27 | 63 | .03 | 2 | 2.39 | .01 | .04 | 1 | 7 |
| 105517 | 1 | 12 | 17 | 165 | .3 | 4 | 5 | 299 | 2.59 | 3 | 5 | ND | 2 | 10 | 1 | 2 | 2 | 43 | .10 | .089 | 8 | 14 | .16 | 58 | .03 | 3 | 1.30 | .01 | .04 | 1 | 8 |
| 105518 | 1 | 20 | 29 | 211 | .7 | 8 | 9 | 325 | 4.84 | 15 | 5 | ND | 4 | 13 | 1 | 3 | 2 | 64 | .15 | .219 | 9 | 22 | .39 | 76 | .04 | 3 | 3.07 | .01 | .04 | 1 | 6 |
| 105519 | 2 | 15 | 22 | 126 | .6 | 8 | 7 | 545 | 3.73 | 8 | 5 | ND | 3 | 12 | 1 | 3 | 2 | 56 | .12 | .204 | 9 | 21 | .37 | 61 | .04 | 3 | 1.98 | .01 | .05 | 1 | 5 |
| 105520 | 2 | 15 | 25 | 162 | .4 | 9 | 7 | 402 | 3.38 | 10 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 47 | .15 | .215 | 8 | 17 | .31 | 73 | .03 | 3 | 2.27 | .01 | .04 | 1 | 1 |
| 105521 | 6 | 14 | 22 | 127 | .4 | 7 | 6 | 307 | 3.34 | 9 | 5 | ND | 3 | 14 | 1 | 2 | 4 | 48 | .12 | .161 | 8 | 18 | .29 | 52 | .03 | 2 | 2.02 | .01 | .04 | 1 | 3 |
| 105522 | 2 | 16 | 27 | 131 | .5 | 7 | 7 | 227 | 3.33 | 11 | 5 | ND | 3 | 14 | 1 | 2 | 2 | 45 | .12 | .123 | 8 | 15 | .34 | 69 | .03 | 2 | 2.30 | .01 | .03 | 1 | 8 |
| 105523 | 1 | 13 | 13 | 120 | .5 | 5 | 4 | 138 | 2.99 | 5 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 52 | .10 | .106 | 9 | 15 | .19 | 60 | .04 | 4 | 1.67 | .01 | .03 | 1 | 1 |
| 105524 | 1 | 14 | 19 | 105 | .2 | 8 | 5 | 231 | 3.10 | 8 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 50 | .16 | .159 | 9 | 15 | .29 | 54 | .04 | 4 | 1.72 | .01 | .04 | 1 | 1 |
| 105525 | 1 | 14 | 14 | 110 | .3 | 8 | 5 | 308 | 2.26 | 4 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 38 | .34 | .041 | 11 | 13 | .31 | 105 | .04 | 6 | 1.32 | .01 | .05 | 1 | 4 |
| 105526 | 1 | 10 | 15 | 62 | .4 | 5 | 5 | 193 | 2.81 | 3 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 51 | .10 | .086 | 8 | 16 | .19 | 42 | .04 | 2 | 1.36 | .01 | .03 | 1 | 5 |
| 105527 | 1 | 10 | 12 | 51 | .3 | 3 | 3 | 116 | 2.03 | 3 | 5 | ND | 2 | 10 | 1 | 2 | 2 | 38 | .08 | .043 | 8 | 13 | .13 | 53 | .04 | 2 | 1.42 | .01 | .02 | 1 | 6 |
| 105528 | 1 | 14 | 17 | 77 | .2 | 9 | 5 | 244 | 2.98 | 8 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 50 | .13 | .086 | 8 | 15 | .24 | 61 | .04 | 5 | 1.36 | .01 | .03 | 1 | 5 |
| 105529 | 1 | 15 | 19 | 129 | .3 | 8 | 6 | 245 | 3.20 | 9 | 6 | ND | 3 | 11 | 1 | 2 | 2 | 48 | .11 | .131 | 8 | 16 | .23 | 57 | .04 | 3 | 1.93 | .01 | .03 | 1 | 3 |
| 105530 | 1 | 14 | 20 | 140 | .1 | 7 | 7 | 659 | 2.87 | 8 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 46 | .19 | .115 | 9 | 15 | .30 | 73 | .04 | 10 | 1.60 | .01 | .03 | 1 | 1 |
| 105531 | 4 | 42 | 32 | 196 | .3 | 10 | 11 | 771 | 3.57 | 19 | 5 | ND | 3 | 34 | 1 | 2 | 2 | 49 | .36 | .036 | 17 | 20 | .44 | 137 | .04 | 3 | 2.44 | .01 | .07 | 1 | 1 |
| STD C/AU-S | 18 | 62 | 37 | 132 | 1.2 | 68 | 30 | 947 | 4.04 | 37 | 17 | 7 | 37 | 88 | 18 | 14 | 21 | 58 | .52 | .089 | 38 | 56 | .94 | 174 | .07 | 34 | 2.08 | .06 | .14 | 12 | 53 |



Copy to Del + Mark.

30 ICP + Au Acme

Central Coast District

Lab Code 8907-004

31 Soils

RECORD OF SAMPLE TRANSMITTAL

NORANDA EXPLORATION COMPANY, LIMITED
 P.O. BOX 2380
 1050 DAVIE STREET
 VANCOUVER, B.C.
 V6B 3T5

Date Shipped: June 26 / 89
 Date Received: June 27 / 89
 Shipped Via: Greyhound Bus
 No. of Cartons: 1
 No. of Samples: 31
 Geologist: Mart Listkovich
 Date: June 21 / 1989

MATERIAL:

- SOIL
- SILT
- ROCK

Project Ootsa No. 260

| SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | | | SAMPLE NOS./COORDS. | | N.T.S. NOS. | G.C.I. NOS. | ADD ELEMENT | | |
|---------------------|------------|-------------|-------------|-------------|--|--|---------------------|------------|-------------|-------------|-------------|--|--|
| FROM/LINE | TO/STATION | | | | | | FROM/LINE | TO/STATION | | | | | |
| 05501 | Soil | 93E/15E | | | | | 105525 | Soil | 93E/15E | | | | |
| 2 | " | | | | | | 6 | " | | | | | |
| 3 | " | | | | | | 7 | " | | | | | |
| 4 | " | | | | | | 8 | " | | | | | |
| 5 | " | | | | | | 9 | " | | | | | |
| 6 | " | | | | | | 105530 | " | | | | | |
| 7 | " | | | | | | 1 | " | | | | | |
| 8 | " | | | | | | | | | | | | |
| 9 | " | | | | | | | | | | | | |
| 05510 | " | | | | | | | | | | | | |
| 1 | " | | | | | | | | | | | | |
| 2 | " | | | | | | | | | | | | |
| 3 | " | | | | | | | | | | | | |
| 4 | " | | | | | | | | | | | | |
| 5 | " | | | | | | | | | | | | |
| 6 | " | | | | | | | | | | | | |
| 7 | " | | | | | | | | | | | | |
| 8 | " | | | | | | | | | | | | |
| 9 | " | | | | | | | | | | | | |
| 105520 | " | | | | | | | | | | | | |
| 1 | " | | | | | | | | | | | | |
| 2 | " | | | | | | | | | | | | |
| 3 | " | | | | | | | | | | | | |
| 4 | " | | | | | | | | | | | | |

ANALYTICAL INSTRUCTIONS

ALL SAMPLES: (Cu, Pb, Zn, Mo, Ag)
 (Cu, Pb, Zn, Mo, Ag) + Az
 (Cu, Pb, Zn, Mo, Ag) + AS NOTED

SPECIAL INSTRUCTIONS OR REMARKS:
30 ICP + Au by AA

RESULTS TO: Del Meyers
Prince George

APPENDIX 5

SAMPLE DESCRIPTION

NORANDA EXPLORATION COMPANY, LIMITED

(3) (B)

PROPERTY Shel Ford, Hills Shel 4

N.T.S. 93E/15E

DATE June 23rd 1988

ROCK SAMPLE REPORT

8807-015

PROJECT "255"

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------------|------------------------------|-------------|---------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 19926 | 83 X 45 6352 anomaly, Shel 4 | | Sand | | 10 | | | | | | | | | | F. Stewart |
| 19927 | 10mN | | " | | 10 | | | | | | | | | | " |
| 19928 | 10mW | | " | | 10 | | | | | | | | | | " |
| 19929 | 10mS | | " | | 10 | | | | | | | | | | " |
| 19930 | 10mE | | " | | 10 | | | | | | | | | | " |
| 19931 | 83 X QS 1077 Shel 4 | | " | | 10 | | | | | | | | | | " |
| 19932 | 10mN | | " | | 10 | | | | | | | | | | " |
| 19933 | 10mW | | " | | 10 | | | | | | | | | | " |
| 19934 | 10mS | | " | | 10 | | | | | | | | | | " |
| 19935 | 10mE | | " | | 10 | | | | | | | | | | " |
| 19936 | 83 X QS 1076 Shel 4 | | " | | 10 | | | | | | | | | | " |
| 19937 | 10mN | | " | | 10 | | | | | | | | | | " |
| 19938 | 10mW | | " | | 10 | | | | | | | | | | " |
| 19939 | 10mS | | " | | 10 | | | | | | | | | | " |
| 19940 | 10mE | | " | | 10 | | | | | | | | | | " |
| 19941 | 83 X QS 1075 Shel 4 | | " | | 10 | | | | | | | | | | " |
| 19942 | 10mN | | " | | 10 | | | | | | | | | | " |
| 19943 | 10mW | | " | | 10 | | | | | | | | | | " |
| 19944 | 10mS | | " | | 10 | | | | | | | | | | " |
| 19945 | 10mE | | " | | 10 | | | | | | | | | | " |
| 19946 | XLS 1700 | | | | | | | | | | | | | | |
| 19947 | 10mN | | | | | | | | | | | | | | |
| 19948 | 10mW | | | | | | | | | | | | | | |

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills - Shel 10

N.T.S. 93 E / 15 E

DATE 23 June 1988

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|--|-------------|------|-------|--------|--------|--------|--------|-----|------|----|---|------------|
| | | | | | Au ppb | Ag ppm | Pb ppm | Zn ppm | | | | | |
| | Followup Conamax soil anomaly " B3 XLS 1300" | | | | | | | | | | | | |
| 19946 | Shel 10 Mn 2136, La 52, Al 4.2 @ anomaly | | soil | | 10 | 2.3 | | 115 | 832 | | | | F Stewart |
| 19947 | Mn 1236 10mN | | " | | 10 | | | | 283 | | | | " |
| 19948 | 10mW | | " | | 10 | | | | | | | | " |
| 19949 | Mn 2053 A134 10mS | | " | | 10 | | | 100 | 637 | | | | " |
| 19950 | 10mE | | " | | 10 | | | 76 | 493 | | | | " |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | dm | 30 | July | 88 | | |

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E/15
 DATE 23 JUNE 89
 PROJECT 25J

PROPERTY SHELFORD Hills Shel 5

* 5 point soil tests; 10 n. specim. SOIL ~~ROCK~~ SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | SPLICES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|--|---------|------|---------------|-------|--------|----|----|----|----|---|---|---|---|------------|
| | | | | | Augpb | Ag ppm | Cu | Pb | Zn | Mo | | | | | |
| 30926 | OLD CANADIAN # L113 Mn 1742 Shel 5 @ anomaly | | Soil | 10 | | | | | | | | | | | 0:11 0. |
| 27 | 10mN | | | | | | | | | | | | | | |
| 28 | 10mW | | | | | | | | | | | | | | |
| 29 | 10mS | | | | | | | | | | | | | | |
| 30 | 10mE | | | | | | | | | | | | | | |
| 31 | OLD CANADIAN # A5976 Shel 5 | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | |
| 33 | Ba 454, Ca 148, Mn 1538 | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | |
| 36 | OLD CANADIAN # Q713 Shel 5 | | | | | | | | | | | | | | |
| 37 | Mn 4372, Al 4.3 | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | |
| 39 | Mn 1289 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | |
| 41 | OLD CANADIAN # G5339 Shel 5 | | | | | | | | | | | | | | |
| 42 | Al 3.69 | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | |
| | OLD CANADIAN # L1048 @ anomaly Shel 5 | | | | | | | | | | | | | | |
| | Mn 30 | | | | | | | | | | | | | | |
| | 10mW | | | | | | | | | | | | | | |

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E 15E

PROPERTY Shelford Hills - Shel 5

DATE 23 June 88

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|----------------|------|-------|-----|-----|---|----|----|---|------|---|---------------|
| | | | | | ppb | ppm | | Pb | Zn | | | | |
| 30946 | Canamax soil anomaly "L1048", Shel 5 @ anomaly | | soil | | 10 | | | | | | 325 | | WD, RH |
| 47 | A1 3.2 10mN | | | | 10 | | | | | | 595 | | |
| 48 | 10mW | | | | 10 | 2.0 | | 68 | | | 1108 | | |
| 49 | 10mS | | | | 10 | | | | | | 393 | | |
| 50 | 10mE | | | | 10 | | | | | | | | |
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dm 3 Aug E

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E/15

PROPERTY SHELFORD Hills - Shel 5

DATE 23 JUNE 85

SOIL ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | GRADES | TYPE | WIDTH | G | A | G | A | G | A | G | A | SAMPLED BY |
|-------------------|-----------------------------|--------|-----------------|---------------|---------------|-----|-----|-----|-----|-----|---|---|-------------------|
| | | | | | ppb | ppb | ppm | ppm | ppm | ppm | | | |
| 50144 | RES 1040 | | SOIL | 10 | 10 | | | | | | | | WD, RH |
| 50 | SOIL | | SOIL | 10 | 10 | | | | | | | | |
| 309 51 | OLD CANNAMEN # L1091 Shel 5 | | Soil | | 10 | | | | | | | | WD, RH |
| 52 | | | | | 10 | | | | | | | | |
| 53 | | | | | 10 | | | | | | | | |
| 54 | | | | | 10 | | | | | | | | |
| 55 | Al 4.3 | | | | 10 | | | | | | | | |
| 309 56 | OLD CANNAMEN # L1117 Shel 5 | | | | 50 | | | | | 459 | | | |
| 57 | | | | | 10 | | | | | 698 | | | |
| 58 | | | | | 40 | | | | | | | | |
| 59 | | | | | 10 | | | | | | | | |
| 60 | | | | | 10 | | | | | | | | |
| 309 61 | OLD CANNAMEN # A6041 Shel 5 | | | | 10 | | | | | | | | |
| 62 | Al 3.1 | | | | 10 | | | | | | | | |
| 63 | | | | | 10 | | | | | | | | |
| 64 | | | | | 10 | | | | | | | | |
| 65 | | | | | 10 | | | | | | | | |
| 309 66 | OLD CANNAMEN # Q835 Shel 5 | | | | 10 | | | | | 269 | | | |
| 67 | | | | | 10 | | | | | | | | |
| 68 | | | | | 10 | | | | | | | | |
| 69 | | | | | 10 | | | | | | | | |
| 70 | | | | | 10 | | | | | 279 | | | |
| 309 77 | RES 1040 | | | | 10 | | | | | | | | |

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E/15E
 DATE 23 June 88
 PROJECT 255

PROPERTY Shelford Hills - Shel 5 and west

ROCK SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---------------------------------------|-------------|------|-------|-----|-----|----|-----|-----|---|---|---|---|--------|------------|
| | | | | | Aug | ppb | Pb | ppm | Zn | | | | | | |
| | Conmax soil anomaly " Q 836 Shel 5 | | | | | | | | | | | | | | |
| 30971 | A1 3.0 @ anomaly | | soil | | 10 | | | | | | | | | WD, RH | |
| 72 | 10m N | | " | | 10 | | | | | | | | | " | |
| 73 | 10m W | | " | | 10 | | | | | | | | | " | |
| 74 | A1 3.0 10m S | | " | | 10 | | | | | | | | | " | |
| 75 | 10m E | | " | | 100 | | | | | | | | | " | |
| | Keneco Ford 50 anomaly (Zn-Ag) | | | | | | | | | | | | | | |
| | Blue Camp 3 + 780m @ 239° w of Shel 5 | | | | | | | | | | | | | | |
| ✓30976 | @ site? | | soil | | 10 | | | | | | | | | " | |
| 77 | 10m N | | " | | 10 | | | | | | | | | " | |
| 78 | A1 4.4 10m W | | " | | 10 | | | 65 | 476 | | | | | " | |
| 79 | 10m S | | " | | 10 | | | | 253 | | | | | " | |
| 80 | 10m E | | " | | 10 | | | | | | | | | " | |
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dm 3 Aug.

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E/15

PROPERTY SHELFORD - Normans Creek, W of Shel 5

DATE 22 June 88

GCI 54656

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|------------|--|-------------|------------------------|---------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|--------|
| | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Mn |
| 36227 | Andesite - dull purple-green colour, fine grained with <1% pyrite veins filled by limonite. 5 mm gr. | - | And Rock | 1 6rd | | <input checked="" type="checkbox"/> | | | | | | | | | 1398 | D.H.O. |
| 36228 | Weathered rhyolite, moderately fractured with 1% ductile black mineral (Mn?) | - | And Rock | 1 6rd | | <input checked="" type="checkbox"/> | | | | | | | | | 1300 | |
| 36229 | Kaolinitized rhyolite - no visible mineralization | - | And Rock | 1 6rd | | <input checked="" type="checkbox"/> | | | | | | | | | 4920 | |
| 36230 | Highly weathered rhyolite with sand-perforative limonite stain. Some kaolinite | - | And Rock | 1 6rd | | <input checked="" type="checkbox"/> | | | | | | | | | 4764 | |
| 36231 | Weathered porphyritic andesite Overall purplish coloration (petroic?) 2% limonite staining. | - | And Rock | 1 6rd | | <input checked="" type="checkbox"/> | | | | | | | | | 301 | |

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 43E/15E

PROPERTY Shelford Hills - Shel 4 claim

DATE June 22/88

GCI 54660

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|-------------|------|-------|-----|---|-----|----|---|---|---|---|---|---|---|----------|------------|
| | | | | | ppb | | ppm | | | | | | | | | | |
| 36176 | 125m down stream from bifurcation on East Branch Shelford Creek rock sample with 0.9 light tan to light grey siliceous rock with dirty pyrite mineralization through-out and magnetite (5mm cubes) and chalcopyrite? mineralization on some fracture planes | 5% | Rock | | | 2 | | 19 | | | | | | | | G-Cloran | |
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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E/151E

PROPERTY Shel/500d - Shel 10

DATE June 23rd

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------------|------------------------------------|-------------|--------------|-------|--------|--------|----|----|------|------|---|---|-----|---|--------------|
| | | | | | Au ppb | Ag ppm | Pb | Zn | As | | | | | | |
| 38101 | 93 XLS 1297 Mn 9937 P-23 Shel 10 | | Soil | | 10 | 5.7 | | | 326 | 498 | | | 192 | | F. Stewart |
| 38102 | 10m N N/S | | " | | - | | | | | | | | | | " |
| 38103 | 10m W | | " | | 10 | 2.0 | | | 87 | 559 | | | 309 | | " |
| 38104 | 10m S Mn 11316 P-30 A1 32 | | " | | 10 | 2.8 | | | 409 | 873 | | | 723 | | " |
| 38105 | 10m F Mn 775 | | " | | 10 | 7.3 | | | 413 | 518 | | | 261 | | " |
| 38106 | 93 XLS 1296 Mn 2876 P-27 Shel 10 | | " | | 10 | | | | 90 | 512 | | | 120 | | " |
| 38107 | 10m N N/S | | " | | - | | | | | | | | | | " |
| 38108 | 10m W N/S | | " | | - | | | | | | | | | | " |
| 38109 | 10m S | | " | | 10 | | | | | | | | | | " |
| 38110 | 10m F | | " | | 10 | | | | | 307 | | | | | " |
| 38111 | 93 XLS 1290 Mn 2548 A1 3-0 Shel 10 | | " | | 10 | | | | 100 | 496 | | | | | " |
| 38112 | 10m N 3362 3-3 | | " | | 10 | | | | 99 | 640 | | | | | " |
| 38113 | 10m W 8159 3-5 | | " | | 10 | | | | 185 | 955 | | | | | " |
| 38114 | 10m S 3-0 | | " | | 10 | | | | 72 | 364 | | | | | " |
| 38115 | 10m F 2340 3-0 | | " | | 10 | | | | 68 | 404 | | | | | " |
| 38116 | 93 XLS 1287 Mn 1831 P Shel 10 | | " | | 10 | | | | 90 | 895 | | | | | " |
| 38117 | 10m N | | " | | 10 | | | | | 55 | | | | | " |
| 38118 | 10m W | | " | | 10 | | | | | 527 | | | | | " |
| 38119 | 10m S P-30 Mn 12524 Ba 612 A13-0 | | " | | 10 | | | | 1149 | 1765 | | | 215 | | " |
| 38120 | 10m F .22 18697 493 32 | | " | | 10 | | | | 1110 | 1447 | | | 227 | | " |
| 38121 | 93 XLS 1256 Shel 10 | | " | | | | | | | | | | | | " |
| 38122 | 10m N | | " | | | | | | | | | | | | " |
| 38123 | 10m W | | " | | | | | | | | | | | | " |

N.T.S. 93 E / 15E

PROPERTY Shelford Hills - Shel 10

DATE 23 June 1988

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|--|-------------|------|-------|--------|--------|----|-----|------|-----|---|---|-----|-----|------------|
| | | | | | Ag ppb | Ag ppm | Pb | Zn | As | | | | | | |
| | Followup Commax soil anomaly "83 XLS 1286" | | | | | | | | | | | | | | |
| 38121 | Shel 10 Mn 1126 @ anomaly | | soil | | 10 | 2.9 | | | 131 | 966 | | | | 110 | F. Stewart |
| 38122 | 10m N | | " | | 10 | | | | | 727 | | | | | |
| 38123 | 10m W | | " | | 10 | | | 105 | 603 | | | | | | |
| 38124 | Mn 1123 10m S | | " | | 10 | | | 115 | 480 | | | | | | |
| 38125 | P. 22 A1 4.0 10m E | | " | | 10 | | | 115 | 1252 | | | | 110 | | |
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NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford / White soil - Shel 10 claim

N.T.S. 93E/15E

DATE June 23, 1980

ROCK SAMPLE REPORT

PROJECT #255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|------------|---|-------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|--------------------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| 38147 | Located @ 83 XLS 1298 a light tan to pink intensely fractured rhyolite with weathered-out sulfides, $\approx 1/2\%$ | 1/2 | Rock | grab | 2 | | | | | | | | | | | | | G. Chan |
| 38148 | Located @ 83 XLS 1297 a light tan to light gray rhyolite with weathered out sulfides | - | Rock | grab | 4 | | | | | | | | | | | | | G. Chan |
| 38149 | Located @ XLS 1296 a light tan to light gray rhyolite with weathered out sulfides | - | Rock | grab | 1 | | | | | | | | | | | | | G. Chan |
| 38150 | Located @ XLS 1287 a light green to tan rhyolite with weathered out sulfides | - | Rock | grab | 1 | | | | | | | | | | | | | G. Chan |

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shel/Gord Hills - Shel 4, Shel 10

N.T.S. 93E/15E

DATE June 23, 85

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|-------------|------|-------|----|-----|----|----|-----|------|---|---|-----|---|------------|---|------------|
| | | | | | Au | Pb | Ag | Pb | Zn | As | | | | | | | |
| 38901 | XAS 6364 M _N 3565 A1 3-4 Shel 10 | | Soil | | 10 | | | | 768 | 1373 | | | 322 | | F. Stewart | | |
| 38902 | 10mN 5017 3-1 | | " | | 10 | 2.3 | | | 308 | 1342 | | | 108 | | " | | |
| 38903 | 10mW 4406 | | " | | 10 | 2.5 | | | 157 | 1066 | | | 151 | | " | | |
| 38904 | 10mS 2579 3-0 | | " | | 10 | | | | 214 | 830 | | | 679 | | " | | |
| 38905 | 10mE 8715 4-0 | | " | | 10 | 4.7 | | | 339 | 800 | | | 222 | | " | | |
| 38906 | 83 X07 672 XLS 1264 Shel 4 | | " | | 10 | | | | | | | | | | " | | |
| 38907 | 10mN | | " | | 10 | | | | | | | | | | " | | |
| 38908 | 10mW | | " | | 10 | | | | | | | | | | " | | |
| 38909 | 10mS | | " | | 10 | | | | | | | | | | " | | |
| 38910 | 10mE | | " | | 10 | | | | | | | | | | " | | |

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E/15E

PROPERTY Shelbourn Hills - Shel 4

DATE June 24, 1989

ROCK SAMPLE REPORT

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|-------------|------|-------|--------|---|---|--------|-----|-----|---|---|--------|---|------------|
| | | | | | Ag ppb | | | Pb ppm | Zn | | | | | | |
| 38911 | 83 XAS 6237 Shel 5 | | Soil | | 10 | | | | | | | | | | F. Stewart |
| 38912 | 10m N | | " | | 10 | | | | 219 | 377 | | | | | " |
| 38913 | 10m W | | " | | 10 | | | | | | | | | | " |
| 38914 | 10m S | | " | | 10 | | | | 61 | 389 | | | | | " |
| 38915 | 10m E | | " | | 10 | | | | | | | | | | " |
| 38916 | 83 XAS 6248 Shel 4 | | " | | 10 | | | | | | | | | | " |
| 38917 | 10m N | | " | | 10 | | | | | | | | | | " |
| 38919 | 10m W | | " | | 10 | | | | | | | | | | " |
| 38919 | 10m S | | " | | 10 | | | | | | | | | | " |
| 38920 | 10m E | | " | | 10 | | | | | | | | | | " |
| 38921 | Anomaly on Ford 53 Claim (old Kennecott) Shel 4 | | " | | 10 | | | | | | | | Al=34% | | " |
| 38922 | 10m N Zn-Ag | | " | | 10 | | | | | | | | | | " |
| 38923 | 10m W | | " | | 10 | | | | | | | | | | " |
| 38924 | 10m S | | " | | 10 | | | | | | | | | | " |
| 38925 | 10m E | | " | | 10 | | | | | | | | | | " |

N.T.S. 93E/15E

PROPERTY Shelford - Shel 9

DATE June 22/88

ROCK SAMPLE REPORT

8807-015

PROJECT 255

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|-----------------------------------|-------------|------|-------|-----|-----|---|---|--------|---|---|---|---|--------|------------|
| | | | | | ppb | Ag | | | Pb ppm | | | | | | |
| 38952 | Ag anal anomaly on Old Ford claim | | Sect | | 10 | | | | 261 | | | | | Al 38% | G-Ch. m |
| 38953 | 10m N " Zn-Ag anomaly Shel 9 | | " | | 10 | 2.3 | | | 251 | | | | | | |
| 38954 | 10m W " " | | " | | 10 | 2.8 | | | 267 | | | | | | |
| 38955 | 10m S " " | | " | | 10 | | | | 159 | | | | | | |
| 38956 | 10m E " " | | " | | 10 | | | | 71 | | | | | | |
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G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

N.T.S. 93 E / 15E

DATE Oct. 88

~~BOOK~~ SAMPLE REPORT

PROJECT 260. Ootza

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | SAMPLED BY |
|------------|---|----------------|------|-------|---|---|---|---|---|---|---|---------------|
| | | | | | Aug | Sept | Oct | Nov | Dec | Jan | Feb | |
| 47376 | SW of shel 3, laminated rhyolite, f.g. py, rare qz filled fractures, outcrop | tr | rock | grab | 1 | | | | | | | |
| 47377 | SW of shel 3 | | soil | | 1 | | | | | | | |
| 78 | " | | " | | 18 | | | | | | | |
| 47379 | dacite to rhyolite, pyroclastic breccia, outcrop | | rock | grab | 1 | | | | | | | |
| 47380 | SW of shel 3 | | soil | | 1 | | | | | | | |
| 81 | " | | " | | 1 | | | | | | | |
| 82 | " | | " | | 1 | | | | | | | |
| 83 | " | | " | | 1 | | | | | | | |
| 84 | " | | " | | 1 | | | | | | | |
| 47385 | " | | silt | | 2 | | | | | | | |
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dm 10 Nov. 8

G = GEOCHEM A = ASSAY

PROPERTY Shelford Hills

N.T.S. 93 E / 15E

DATE Oct. 88

PROJECT 260. Gotsa

ROCK SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|--|----------------|------|-------|---|---|---|---|---|---|---|---|---------------|
| | | | | | g | a | g | a | g | a | g | a | |
| 47386 | S of Stan 2. Rusty weathering volcanic tuff w. 5% dissem. py. Float | 5 | rock | grab | 3 | | | | | | | | |
| 47387 | S of Stan 2. Dacitic tuff. Weakly magnetic. Red hematite in pods and veins. Locally the tuff is brecciated with red hematite cement. Outcrop | | rock | grab | 1 | | | | | | | | |
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dm 10 Nov. 88

N.T.S. 93 E / 15E

PROPERTY Shelford Hills

DATE Oct. 88

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~~BOOK~~ SAMPLE REPORT

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|------------|---|----------------|--------------|-------|-----|---|---|---|---|---|---|---|---|---|---------------|--|
| | | | | | Aug | 6 | | | | | | | | | | |
| 47388 | N of Shel 3. Acidic volcanic tuff with siliceous alteration. Trace fine grain dissem. py. to of Float | tr | rock | grab | 1 | | | | | | | | | | | |
| 47389 | N of Shel 3 on hill | | soil | | 1 | | | | | | | | | | | |
| 47390 | Shel 3. Acidic volcanic tuff, minor clay alteration, local silica alteration. Up to 10% u.f.g. dissem. py. Float | 10 | rock | grab | 2 | | | | | | | | | | | |
| 47391 | Shel 3. Dacitic tuff. Weak propylitic alteration. Up to 10% pyrite, dissem. and in fractures. Hairline, qtz-filled fractures. Outcrop | 10 | soft rock | grab | 1 | | | | | | | | | | | |

dm 10 Nov. 88

N.T.S. 93 E / 15 E

PROPERTY Shelford Hills

DATE _____

~~LOG~~ SAMPLE REPORT

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
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| 47392 | E of shel 6 LCP. Acidic volcanic tuff, silicified, with up to 10% f.g. pyrite-dissem. and in clots, Float | 10 | rock | grab | 10 | | | | | | | | | | | |
| 47393 | E of shel 6 LCP | | soil | | 2 | | | | | | | | | | | |
| 47394 | " " Dacitic crystal-lithic tuff. <1% crystals, minor chalcedony filled vugs. No visible sulfide. Outcrop | 0 | rock | grab | 1 | | | | | | | | | | | |
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dm 10 Nov.

G = GEOCHEM A = ASSAY

Area Shelford Hills
 PROPERTY Shelford Hills

N.T.S. 93E15
 DATE October '88
 PROJECT Otsa 260

~~BOOK~~ SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | g | A | g | A | g | A | g | A | g | A | g | A | SAMPLED BY |
|------------------|--|-------------|--------------------|-------------------|--------|---|---|---|---|---|---|---|---|---|---|---|------------|
| | | | | | Au ppb | | | | | | | | | | | | |
| 47395 | Rhyolitic tuff. Siliceous alteration with local patchy clay alteration. Rusty weathering surface. Discontinuous grey colored streaky layers containing up to 5% v.f.g. dss. pyrite N of Sta 1 | | Outcrop | Gravel | 11 | | | | | | | | | | | | LE |
| 47396 | Feldspar porphyritic volcanic flow. Rust colored weathering surface, possibly Fe-carbonate. Locally brecciated, possibly flow top breccia, with calcite cement | | Outcrop | Gravel | 1 | | | | | | | | | | | | |
| 47397 | Medium gr. crystalline diorite with disseminated and veinlet magnetite W of Sta 1 | | Outcrop | Gravel rock | 1 | | | | | | | | | | | | |
| 47398 | Acidic lithic tuff. Local hairline quartz veins. In areas with quartz veins the tuff is silicified with up to 5% v.f.g. dss. pyrite. W of Sta 4 | | Outcrop | Gravel rock | 1 | | | | | | | | | | | | |
| 51022 | Rhyolitic tuff. Moderately clay altered. Patchy limonite alteration. Fractured surfaces | | Outcrop | Gravel | | | | | | | | | | | | | |

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E / 15W

DATE 10 Oct. 1988

PROPERTY Bluewig area

PROJECT 260. Ootsa

ROCK SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------------|--|----------------|-----------------|-------|-----|---|---|---|---|---|---|---|---|---|---------------|
| | | | | | ppb | | | | | | | | | | |
| 47403 | creek that Bluewig LCP was later placed on, 250m downstream from silt 51044 | | silt | | | | | | | | | | | | LE |
| 47400 | 47403 + 1745 m upstream trib. from SW | | silt | 3 | | | | | | | | | | | LE |
| 47401 | another creek to NE of 51046 U=18 | | silt | 1 | | | | | | | | | | | " |
| 47403 | creek that Bluewig LCP was later placed on 250 m downstream from silt 51044 | | silt | 1 | | | | | | | | | | | " |
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G = GEOCHEM A = ASSAY

dm 26 Apr

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E 15E

PROPERTY Shelford Hills

DATE _____

~~GROUP~~ SAMPLE REPORT

PROJECT 260. 00759

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
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| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 50876 | SW of shel 3 | | soil | | 1 | | | | | | | | | | |
| 77 | " | | " | | 1 | | | | | | | | | | |
| 78 | " | | " | | 1 | | | | | | | | | | |
| 79 | " | | " | | 1 | | | | | | | | | | |
| 80 | " | | " | | 13 | | | | | | | | | | |
| 81 | " | | " | | 1 | | | | | | | | | | |
| 82 | " | | " | | 1 | | | | | | | | | | |
| 83 | " | | " | | 4 | | | | | | | | | | |
| 84 | " | | " | | 1 | | | | | | | | | | |
| 85 | " | | " | | 2 | | | | | | | | | | |
| 86 | " | | " | | 1 | | | | | | | | | | |
| 87 | " | | " | | 4 | | | | | | | | | | |
| 88 | " | | " | | 1 | | | | | | | | | | |
| 89 | " | | " | | 1 | | | | | | | | | | |
| 90 | " | | " | | 3 | | | | | | | | | | |
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Jan 10 Nov 1

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

N.T.S. 93 E / 15E

DATE _____

~~ROCK~~ **SAMPLE REPORT**

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | SAMPLED BY |
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| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | | <u>Av</u> | <u>nb</u> | | | | | | | |
| <u>50891</u> | <u>SW of shel 3</u> | | <u>soil</u> | | <u>21</u> | | | | | | | | |
| <u>92</u> | <u>"</u> | | <u>"</u> | | <u>1</u> | | | | | | | | |
| <u>93</u> | <u>"</u> | | <u>"</u> | | <u>1</u> | | | | | | | | |
| <u>94</u> | <u>"</u> | | <u>"</u> | | <u>10</u> | | | | | | | | |
| <u>95</u> | <u>"</u> | | <u>"</u> | | <u>1</u> | | | | | | | | |
| <u>96</u> | <u>"</u> | | <u>"</u> | | <u>22</u> | | | | | | | | |
| <u>97</u> | <u>"</u> | | <u>"</u> | | <u>10</u> | | | | | | | | |
| <u>98</u> | <u>"</u> | | <u>"</u> | | <u>1</u> | | | | | | | | |
| <u>99</u> | <u>"</u> | | <u>"</u> | | <u>1</u> | | | | | | | | |
| <u>50900</u> | <u>"</u> | | <u>"</u> | | <u>3</u> | | | | | | | | |
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dm 10 Nov.

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

N.T.S. 93 E / 15 E

DATE _____

~~30410~~ SAMPLE REPORT

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
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| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 50926 | SW of Shel 3 | | soil | | | 1 | | | | | | | | | |
| 27 | " | | " | | | 5 | | | | | | | | | |
| 28 | " | | " | | | 1 | | | | | | | | | |
| 29 | " | | " | | | 1 | | | | | | | | | |
| 30 | " | | " | | | 1 | | | | | | | | | |
| 31 | " | | " | | | 1 | | | | | | | | | |
| 32 | " | | " | | | 2 | | | | | | | | | |
| 33 | " | | " | | | 3 | | | | | | | | | |
| 34 | " | | " | | | 5 | | | | | | | | | |
| 35 | " | | " | | | 2 | | | | | | | | | |
| 36 | " | | " | | | 3 | | | | | | | | | |
| 37 | " | | " | | | 4 | | | | | | | | | |
| 38 | " | | " | | | 1 | | | | | | | | | |
| 39 | " | | " | | | 1 | | | | | | | | | |
| 40 | " | | " | | | 2 | | | | | | | | | |
| 41 | " | | " | | | 2 | | | | | | | | | |
| 50942 | " | | " | | | 1 | | | | | | | | | |
| 50943 | S of Shel 6 | | silt | | | 1 | | | | | | | | | |
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jm 10 Nov.

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E/15E

PROPERTY Shelford Hills

DATE _____

BOOK SAMPLE REPORT

PROJECT 260. Ootea

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
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| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 50944 | soil | | soil | | 1 | | | | | | | | | | |
| 45 | " | | " | | 1 | | | | | | | | | | |
| 46 | " | | " | | 2 | | | | | | | | | | |
| 47 | " | | " | | 1 | | | | | | | | | | |
| 48 | " | | " | | 1 | | | | | | | | | | |
| 49 | " | | " | | 1 | | | | | | | | | | |
| 50 | " | | " | | 1 | | | | | | | | | | |
| 51 | " | | " | | 1 | | | | | | | | | | |
| 52 | " | | " | | 5 | | | | | | | | | | |
| 50953 | silt | | silt | | 1 | | | | | | | | | | |
| 50954 | soil | | soil | | 2 | | | | | | | | | | |
| 55 | " | | " | | 1 | | | | | | | | | | |
| 56 | " | | " | | 10 | | | | | | | | | | |
| 57 | " | | " | | 1 | | | | | | | | | | |
| 58 | " | | " | | 69 | | | | | | | | | | |
| 59 | " | | " | | 3 | | | | | | | | | | |
| 60 | " | | " | | 1 | | | | | | | | | | |
| 61 | " | | " | | 1 | | | | | | | | | | |
| 62 | " | | " | | 2 | | | | | | | | | | |
| 63 | " | | " | | 1 | | | | | | | | | | |
| 64 | " | | " | | 2 | | | | | | | | | | |
| 65 | " | | " | | 5 | | | | | | | | | | |

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N.T.S. 93 E / 15 E

PROPERTY Shelford Hills

DATE _____

~~LOG~~ SAMPLE REPORT

PROJECT 260. Oors a

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | SAMPLED BY |
|------------|------------------------|-------------|------|-------|---|---|---|---|---|---|---|------------|
| | | | | | Au ppb | | | | | | | |
| 50966 | soil | | soil | | 1 | | | | | | | |
| 50967 | silt | | silt | | 114 | | | | | | | |
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Jan 10 Nov

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Area
PROPERTY: Shefford Hills

N.T.S. 93 E/15
DATE October 6/88
PROJECT Ootsa 260

ROCK SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------------|---|----------------|--------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| | | | | | | | | | | | | | | | | | |
| 47376 | Sanctified rhyolite, trace of f.g. pyrite, rare qz filled fractures | | trace | 6m | | | | | | | | | | | | | JE |
| 47378 | Pyroclastic breccia. Daitic → rhyolite in composition | | outcrop | breccia | | | | | | | | | | | | | |
| 47386 | Rusty weathering volcanic tuff with 5% disseminated pyrite | | Flint | out | | | | | | | | | | | | | |
| 50968 | Mixed volcanic tuff and interfingered daitic intrusive. Trace of malachite, 3% disseminated pyrite. Mn on fractures. w of Stan 1 | | Outcrop rock | Gravel | 5 | | | | | | | | | | | | |
| 50969 | Pyroclastic tuff (daitic). 1% dissem. pyrite, chlorite alteration of mafics - Minor red hematite alteration. w of Stan 1 | | Outcrop rock | Gravel | 3 | | | | | | | | | | | | |
| 47387 | Daitic tuff. Weakly magnetic. Red hematite in pods and veins. Locally the tuff is brecciated with red hematite cement. | | outcrop | breccia | | | | | | | | | | | | | |

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

N.T.S. 93 E / 15E

DATE Oct. 88

ROCK SAMPLE REPORT

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
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| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 50970 | S of Stan 2 | | soil | | 2 | | | | | | | | | | |
| 71 | " | | " | | 1 | | | | | | | | | | |
| 72 | " | | " | | 1 | | | | | | | | | | |
| 73 | " | | " | | 1 | | | | | | | | | | |
| 50974 | Rhyolite tuff. Limonite stain on fracture, up to 2% dissem. py. Subcrop | | rock | grab | 2 | | | | | | | | | | |

dm 10 Nov 88

PROPERTY Shelford Hills - NW of Hills 1

N.T.S. 93 E / 15E

DATE _____

ROCK SAMPLE REPORT

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
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| 50975 | soil | | soil | | 1 | | | | | | | | | | | | |
| 76 | " | | " | | 4 | | | | | | | | | | | | |
| 77 | " | | " | | 1 | | | | | | | | | | | | |
| 78 | " | | " | | 2 | | | | | | | | | | | | |
| 79 | " | | " | | 1 | | | | | | | | | | | | |
| 80 | " | | " | | 1 | | | | | | | | | | | | |
| 81 | " | | " | | 35 | | | | | | | | | | | | |
| 82 | " | | " | | 1 | | | | | | | | | | | | |
| 83 | " | | " | | 1 | | | | | | | | | | | | |
| 50984 | rock, coarsely crystalline diorite, biotite altered to chlorite, outcrop | | rock | grab | 1 | | | | | | | | | | | | TD |
| 50985 | soil | | soil | | 1 | | | | | | | | | | | | |
| 50986 | silt | | silt | | 1 | | | | | | | | | | | | |
| 50987 | soil | | soil | | 3 | | | | | | | | | | | | |
| 88 | " | | " | | 1 | | | | | | | | | | | | |
| 89 | " | | " | | 20 | | | | | | | | | | | | |
| 90 | " | | " | | 1 | | | | | | | | | | | | |
| 91 | " | | " | | 1 | | | | | | | | | | | | |
| 50992 | silt | | silt | | 1 | | | | | | | | | | | | |

dm 10 Nov.

PROPERTY Shelford Hills

N.T.S. 93 E / 15 E

DATE Oct. 88

PROJECT 260. Ootsa

ROCK SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|--|----------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 50993 | N of Shel 3 | | soil | | | 1 | | | | | | | |
| 50994 | " . Rhyolite tuff with up to 2% fine to coarse, dissem. py. Subcrop | 2 | rock | grab | | 1 | | | | | | | |
| 50995 | N of Shel 3 | | soil | | | 2 | | | | | | | |
| 96 | " | | " | | | 1 | | | | | | | |
| 97 | " | | " | | | 1 | | | | | | | |
| 98 | " | | " | | | 1 | | | | | | | |
| 99 | " | | " | | | 2 | | | | | | | |
| 50000 | " | | " | | | 3 | | | | | | | |
| 01 | " | | " | | | 1 | | | | | | | |
| 02 | " | | " | | | 1 | | | | | | | |
| 03 | " | | " | | | 1 | | | | | | | |
| 04 | " | | " | | | 2 | | | | | | | |
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dm 10 Nov.

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

N.T.S. 93 E / 15 E

DATE Oct. 88

~~ROCK~~ SAMPLE REPORT

PROJECT 260, Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | SAMPLED BY |
|------------|--|----------------|------|-------|---|---|---|---|---|---|---|---------------|
| | | | | | <i>Aug pb</i> | | | | | | | |
| 51005 | N of Shel 3 | | soil | | 1 | | | | | | | |
| 51006 | shel 3 | | " | | 1 | | | | | | | |
| 07 | " | | " | | 3 | | | | | | | |
| 08 | " | | " | | 1 | | | | | | | |
| 51009 | shel 3, Dacitic ash tuff, weak propylitic alteration, 5% py, disson. and fracture. Outcrop | 5 | rock | grab | 2 | | | | | | | |
| 51010 | Shel 3 | | soil | | 2 | | | | | | | |
| 11 | " | | " | | 1 | | | | | | | |
| 51012 | Shel 3. Rhyolitic ash tuff. Completely silicified, locally banded. Up to 15% disson. py. Outcrop | 15 | rock | grab | 6 | | | | | | | |
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dm 10 Nov

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E/15
 DATE October 1988
 PROJECT Ootsa 260

To go with
 Sample transmitted
 15330

Area Shefford Hills
 PROPERTY _____

~~ROCK~~ SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|-------------|--------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 51013 | Volcanic tuff, dacitic in composition. Locally silicified with 5% dissem. py. Other parts of the o/c are not siliceous but look slightly altered to chlorite (propylitic alteration?). Locally the o/c shows an indistinct layering. Outcrop. shel 3. | 5 | Outcrop rock | Gravel | 4 | | | | | | | | | | LE |
| 51014 | Dacite tuff. Rare hairline quartz-epidote veins. Trace of disseminated pyrite, possibly chalcopyrite w pyrite in one veinlet (1mm wide). Propylitic alteration. shel 3. | Tr. | rock | | 2 | | | | | | | | | | |

PROPERTY Shelford Hills

N.T.S. 93 E / 15E

DATE Oct. 88

PROJECT 260. Ootsa

SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
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| | | | | | | Aug | b | | | | | | | | | | |
| 51015 | Shel 3 | | soil | | | 11 | | | | | | | | | | | |
| 16 | " | | " | | | 1 | | | | | | | | | | | |
| 17 | " | | " | | | 3 | | | | | | | | | | | |
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NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Shelford Hills

N.T.S. 93 E / 15 E

DATE Oct. 88

ROCK SAMPLE REPORT

PROJECT 260. Ootsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|--|----------------|------|-------|----|-----|---|---|---|---|---|---|---|---|---------------|
| | | | | | Au | ppb | | | | | | | | | |
| 51018 | W of Stan 1 | | silt | | 1 | | | | | | | | | | |
| 51019 | " | | soil | | 86 | | | | | | | | | | |
| 51020 | " | | silt | | 1 | | | | | | | | | | |
| 51021 | " | | soil | | 1 | | | | | | | | | | |
| 51022 | " Rhyolitic tuff. Moderately clay altered. Patchy limonite stain on fractured surfaces. Outcrop | | rock | grab | 2 | | | | | | | | | | |
| 51023 | W of Stan 1 | | silt | | 2 | | | | | | | | | | |
| 51024 | " | | soil | | 2 | | | | | | | | | | |
| 51025 | " Rhyolite tuff with limonite on fracture surfaces. Possible dissen. pyrite which has "rusted" out. Outcrop | | rock | grab | 1 | | | | | | | | | | |
| 51026 | W of Stan 1 | | soil | | 1 | | | | | | | | | | |
| 51027 | " | | silt | | 1 | | | | | | | | | | |
| 51028 | " Dacitic tuff with trace amount of bleb pyrite. Feldspars altered to clay but in general weak propylitic alteration. Outcrop | | rock | grab | 1 | | | | | | | | | | |
| 51029 | W of Stan 1 | | soil | | 1 | | | | | | | | | | |

dm 10 Nov. 1

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E / 15E

PROPERTY Shelford Hills

DATE Oct. 88

~~2000~~ SAMPLE REPORT

PROJECT 260. Oatsa

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | G <input type="checkbox"/> A <input type="checkbox"/> | SAMPLED BY |
|------------|--|----------------|------|-------|---|---|---|---|---|---|---|---------------|
| | | | | | Au ppb | | | | | | | |
| 52127 | Shel 3, rhyolite tuff with up to 1% dissem. py, Silica alteration, flat | 1 | rock | grab | 7 | | | | | | | |
| 52128 | SW of Shel 3 | | soil | | 1 | | | | | | | |
| 52129 | " rhyolite with 2% cubic pyrite crystals. weakly clay altered, outcrop | 2 | rock | grab | 1 | | | | | | | |
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G = GEOCHEM A = ASSAY

PROPERTY Oatira/Shellford Hills

N.T.S. 73E/15E

DATE June 11, 12, 1989

SOIL SAMPLE REPORT

PROJECT Oatira 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | ANALYSIS | | | | | | | SAMPLED BY | | |
|---------------|---|----------------|------|-------|----------|---|---|---|---|---|---|---------------|---|----|
| | | | | | G | A | G | A | G | A | G | | A | G |
| 10726...10732 | Soil Samples Traverse 2 See Shellford Hills Map 2 06/11/89 | | | | | | | | | | | | | SE |
| 10733...10750 | Soil Samples Traverse 3 See Shellford Hills Map 2 06/12/89 | | | | | | | | | | | | | SE |
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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E/15 E

PROPERTY Ootsa/SHelford HILLS

DATE JUNE 12/89

ROCK SAMPLE REPORT

PROJECT Ootsa 200

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|------------|---|----------------|----------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------|--------------------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| 18499 | Map sheet 2 Traverso 3. Float. Small round to surround boulder - GRANODIORITE. Rusty weathered surface. May have travelled 0+30 N Traverso 3, 1989 | 1-2% | Float | | | | | | | | | | | | | | M/I. | |
| 18500 | Map sheet 2 15+50 N on Traverso 3/1989. Andesitic, rusty, altered. Manganese staining throughout. Large float. | 1-2% | Large float | | | | | | | | | | | | | | M/I. | |
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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E / 15 E

PROPERTY Outsa / Shelford Hills

DATE 06/17/89

ROCK SAMPLE REPORT

PROJECT Outsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | | | | | | | SAMPLED BY |
|--------------|--|----------------|-------|-------|---|--|--|--|--|--|--|---------------|
| | | | | | | | | | | | | |
| 36365..36367 | Soil samples Transverse 7 see Shelford Hills Map sheet 4 06/17/89 | | | | | | | | | | | SE/AA. |
| 36368 | Rock sample, 84 65 W Transverse 7 Possibly 1/2 mag. float? Dacitic ash tuff Manganese staining and well rusted throughout rock 06/17/89 | Trace to 1% | Group | | | | | | | | | AA |
| 36369..36374 | Soil Samples Transverse 7 see Shelford Hills Map Sheet 4 06/17/89 | | | | | | | | | | | SE/AA. |

N.T.S. 93E/15E

PROPERTY ootsa/shelford Hills

DATE June 18/89

ROCK SAMPLE REPORT

PROJECT ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|-------------|-------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 36375 | Shelford Hills Map sheet 4 - 3.80 Truverse 8 dacitic agglomerate, clasts up to 4 mm. Iron staining throughout, appears to be epidote, well rusted. Mang. staining throughout. Ops. | 12.10% | Gran. | | | | | | | | | | | | | | M/- |
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G = GEOCHEM A = ASSAY

N.T.S. 93 E/15 E

PROPERTY Ootsa / Shelford Hills

DATE June 18/89

ROCK SAMPLE REPORT

PROJECT Ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | ANALYSIS | | | | | | | | SAMPLED BY | | | | | |
|------------|---|------------------|------|-------|----------|---|---|---|---|---|---|---|------------|---|---|--|--|------|
| | | | | | G | A | G | A | G | A | G | A | | G | A | | | |
| 38267 | Shelford Hills Map Sheet 4/5260 Traverse 8 Range of c on top of Hill, Dacitic to Andesitic agglomerate, clasts up to 4mm. Epidote is present Good isolated areas of good rusting, Quartz veinlets are frequent and throughout rock. small 1 to 2mm wide. | 18% to 19% Fe | GRAB | | | | | | | | | | | | | | | A.I. |
| 38268 | Shelford Hills Map sheet 4, 16150 m. Traverse 8 about 200 meters inside C.C. on large hill Sample of med. gen. GABRO. Trace of Magnetite, Mang. staining, large %. | | GRAB | | | | | | | | | | | | | | | A.I. |
| 38269 | Shelford Hills Map Sheet 4, 26100 Traverse 8 about 200 m east of claim line. Dacitic to Andesitic. Moderated agglomerate. clasts no larger than 4mm. Some small Qtz. veinlets (1 to 2 mm). Rusty - Open Ground (??), side of Hill. % Sericite (?) | TRAIL to 19% | GRAB | | | | | | | | | | | | | | | A.I. |

G = GEOCHEM A = ASSAY

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ootsa / Shellford Hills

N.T.S. 7812/150

DATE 06/20/89

PROJECT Ootsa 260

ROCK SAMPLE REPORT

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | | | | | | | | SAMPLED BY | | |
|------------|---|-------------|-----------------|-------|---|--|--|--|--|--|--|--|------------|--|------|
| | | | | | | | | | | | | | | | |
| 38270 | Shellford Hills, Map Sheet 1, 48 + 75 on Traverse 10, Rhyolitic to Rhyodacitic Basalt Pile. Possible frost leaved, possible float well rusted. | 14.2% | (float?) GAB | | | | | | | | | | | | d/f. |
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G = GEOCHEM A = ASSAY

N.T.S. 93E/156

PROPERTY OOTSA / SHELFBORD HILLS

DATE JUNE 10/89

ROCK SAMPLE REPORT

PROJECT OOTSA 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY |
|------------|---|-------------|---------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 100351 | 3+50 W / TRAVERSE 1 - Rhyolitic γ - small (linear) feldspar crystals throughout - light grey in color - quartzite and trace sulfides found throughout. | tr. | GLASS | | | | | | | | | | | | M. |
| 100352 | 5+20 E / TRAVERSE 1 - ALTERED Rhyolite - Rusty, disseminated sulfides, PY, Asp(?) Very small glc eyes and glc veins visible. | tr. | GLASS | | | | | | | | | | | | M. June 12/89 |
| 100353 | Map sheet 2 - approx. 200m. west of mouth of front creek along the north shore of DARNER Lake. Sample taken from large pile of angular boulders. All Rhyolitic in composition, Rusted out veins very common. | tr. | glc? GLASS | | | | | | | | | | | | M. |

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93E 15E

PROPERTY Shelford Hills / Ootsoa

DATE June 13/89

ROCK SAMPLE REPORT

PROJECT Ootsoa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | ANALYSIS | | | | | | | SAMPLED BY | | | | | | | |
|------------|---|--------------|-------|-------|----------|---|---|---|---|---|---|------------|---|--|--|--|--|--|------|
| | | | | | G | A | G | A | G | A | G | | A | | | | | | |
| 100354 | Rhyolitic agglomerate - Large Flint found about 200m north of DADNEE Lake, 100m east of Goose Camp along north shore. See map sheet 2. Small slugs passing through rock, sample of salivage and slugs area. Cores existing throughout rock. | 1.1% 1.4% | GRAB | | | | | | | | | | | | | | | | A.I. |
| 100355 | Rusty Rhyolitic Agglomerate. Clay alteration large. Found 16+30 N on Travers 4/1989. See Map sheet 2. | 1.2% | GRAB | | | | | | | | | | | | | | | | A.I. |
| 100356 | Sample from same % as 100355 (above) in different location in % | 1-2% | GRAB. | | | | | | | | | | | | | | | | A.I. |
| 100357 | Sample from Rhyolitic rubble pile on shore (see Map 2 Shelford Hills Travers 4. Possibly best leaved part of % (?) | 1.1% 1.7% | GRAB | | | | | | | | | | | | | | | | A.I. |

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ootsa/Shellford Hills

N.T.S. 73E/15E

DATE 06/14/87

ROCK SAMPLE REPORT

PROJECT Ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|------------|---|----------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|--------------------------|
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| 100358 | Shellford Hills Map sheet #2 14.20 N on TRVERSE 5. Sample of Rhyolite crystal full appears to be some clay alterations | Trace to 1% | GRAB | | | | | | | | | | | | | | | M.F. |
| 100359 | Shellford Hills Map sheet #2 16.75 on TRVERSE 5. Sample of Rhyolite to Rhyolite crystal full, strike Az 002° dip 078° E | Trace to 1% Fe | GRAB | | | | | | | | | | | | | | | M.F. |
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N.T.S. 93E/5-E

PROPERTY Oatwa / Shelford Hills

DATE 06/15/89

ROCK SAMPLE REPORT

PROJECT Oatwa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G A G A G A G A G A G A G A | | | | | | | SAMPLED BY | | |
|------------|--|---------------------|--------------|-------|-----------------------------|---|---|---|---|---|---|------------|---|------|
| | | | | | G | A | G | A | G | A | G | | A | |
| 100360 | Shelford Hills Map sheet #2 - Excursion on south shore of Durance Lake approximately 300 m east of Goose's Camp. Possible host mineral Fe, possibly host. Rhyolite full. | TRACE Fe 2 1/2 wt % | (Host?) GEAR | | | | | | | | | | | M.I. |
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PROPERTY Ootsa/Sheffield Hills
 Silt SAMPLE REPORT

N.T.S. 93E/15E
 DATE June 15, 17, 1989
 PROJECT ootsa. 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | | |
|------------|--|-------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|---|------------|----|----|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | |
| | | | | | | | | | | | | | | | | SE | |
| 100361 | Silt Sample Traverse 6 See Sheffield Hills Map 2 06/15/89 | | | | | | | | | | | | | | | | |
| 100362 | Silt Sample Traverse 7 See Sheffield Hills Map 4 06/17/89 | | | | | | | | | | | | | | | | SE |
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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 75E/15E

PROPERTY Ootsa/Shellford Hills

DATE June 10, 11, 17 1989

Silt and Soil SAMPLE REPORT

PROJECT Ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|-----------------|--|----------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------|-----------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 100362...100370 | soil samples, TRaverse 7 see Shellford Hills Map 4 06/12/89 | | | | | | | | | | | | | | | 75E. M.L. |
| 100371 | Silt samples, TRAVERSE 7 see Shellford Hills Map 4 06/12/89 | | | | | | | | | | | | | | | M.L. |
| 100372...100375 | soil samples TRaverse 7 see Shellford Hills Map 4 06/12/89 | " | | | | | | | | | | | | | | S.E. |
| 100376...100392 | soil samples TRaverse 1 see Shellford Hills Map 2 06/10/89 | | | | | | | | | | | | | | | S.E. |
| 100393...100400 | soil samples TRaverse 2 see Shellford Hills Map 2 06/11/89 | | | | | | | | | | | | | | | S.E. |

N.T.S. 73E/15E

PROPERTY Ootsa/Shefford Hills

DATE JUNE 12, 13, 14, 15, 17, 18, 1989

SILT AND SOIL SAMPLE REPORT

PROJECT Ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G <input type="checkbox"/> A <input type="checkbox"/> | | | | | | | SAMPLED BY |
|-----------------|---|-------------|------|-------|---|--|--|--|--|--|--|------------|
| | | | | | | | | | | | | |
| 100401...100406 | soil samples, Traverse 5" SEE Shefford Hills Map 2. 06/14/89 | | | | | | | | | | | S.E. |
| 100407 | silt sample, TRAV 5, shefford Hills Map 2. | | | | | | | | | | | S.E. |
| 100408...100430 | soil samples, Traverse 5" SEE Shefford Hills Map 2. 06/14/89 | | | | | | | | | | | S.E. |
| 100431...100471 | soil samples, Traverse 6, see shefford Hills Map 2 06/13/89 | | | | | | | | | | | S.E. |
| 100472...100510 | soil samples TRAV 7, see shefford Hills Map 4 06/17/89 | | | | | | | | | | | S.E/MH- |
| 100511...100550 | soil samples TRAV 8 see. shefford Hills Map 4 06/15/89 | | | | | | | | | | | S.E. |
| 100551...100585 | soil samples TRAV 3 see shefford Hills Map 2 06/12/89 | | | | | | | | | | | S.E. |
| 100586...100598 | soil samples TRAV 4 see shefford Hills Map 2 06/13/89 | | | | | | | | | | | S.E. |

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 93 E / 15 E

PROPERTY Ootsa/Shefford Hills

DATE 06/14/89

SOIL SAMPLE REPORT

PROJECT Ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|---------------------------|--|-------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 100599, 100600 | Soil samples, see Shefford Hills Map 2 06/14/89 Traverse 5 | | | | | | | | | | | | | | | | | S.E. |
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G = GEOCHEM A = ASSAY

N.T.S. 93 E/15 E

PROPERTY Octsa/Shellford Hills

DATE June 11/89

SOIL SAMPLE REPORT

PROJECT Octsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|---------------|--|-------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|--------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 100851-100875 | Soil samples Travers 2 see Shellford Hills Map 2 06/11/89 | | | | | | | | | | | | | | | | | J.S.E. |
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G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ootsa/Shellford Hills

N.T.S. 93E/15E

DATE June 20, 21, 1989

Soil SAMPLE REPORT

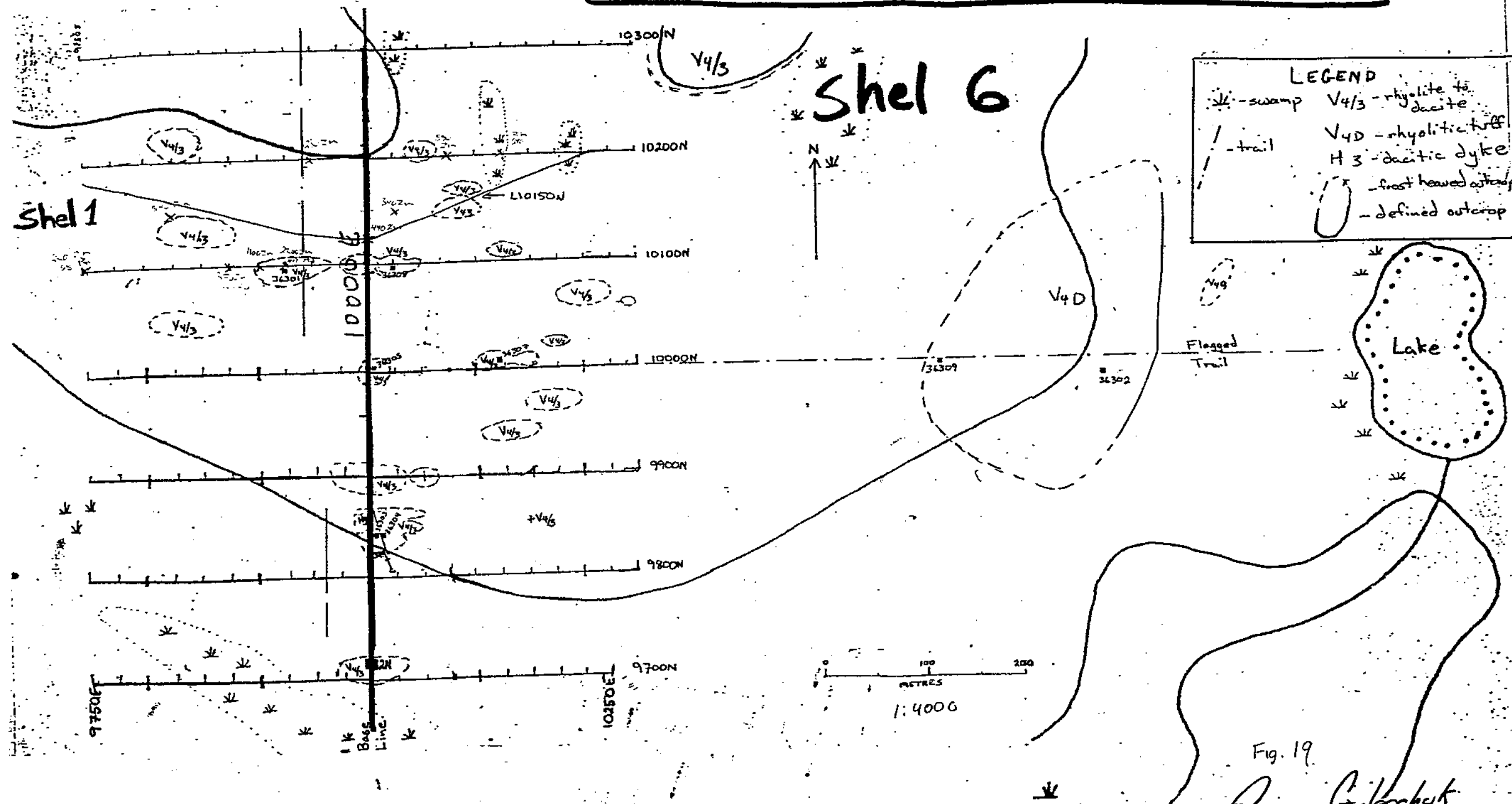
PROJECT Ootsa 260

| SAMPLE NO. | LOCATION & DESCRIPTION | % SULPHIDES | TYPE | WIDTH | G | A | G | A | G | A | G | A | G | A | SAMPLED BY | |
|-----------------|--|-------------|------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|---|------------|-----------|
| | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 105501 - 105512 | Soil samples TRAVELSE 10 see Shellford Hills Map sheet 1, 4 06/20/89 | | | | | | | | | | | | | | | S.E./M.L. |
| 105513 - 105531 | Soil samples TRAVELSE 11 see Shellford Hills Map sheet 4 06/21/89 | | | | | | | | | | | | | | | S.E./M.L. |
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G = GEOCHEM A = ASSAY

N.T.S. 93E/15E

MH GRID / SHEL FORD HILLS



LEGEND

- ~ - swamp
- trail
- V4/3 - rhyolite to dacite
- V4D - rhyolitic tuff
- H3 - dacitic dyke
- - frost heaved outcrop
- - defined outcrop

Fig. 19
Carey Galeschuk
Aug 8/88

GEOLOGICAL BRANCH
SUSSEX COUNTY

19107

107



ASSESSMENT REPORT
GEOLOGICAL BRANCH
(est. location)
35,4W

(est location)
35,3W
LCP →

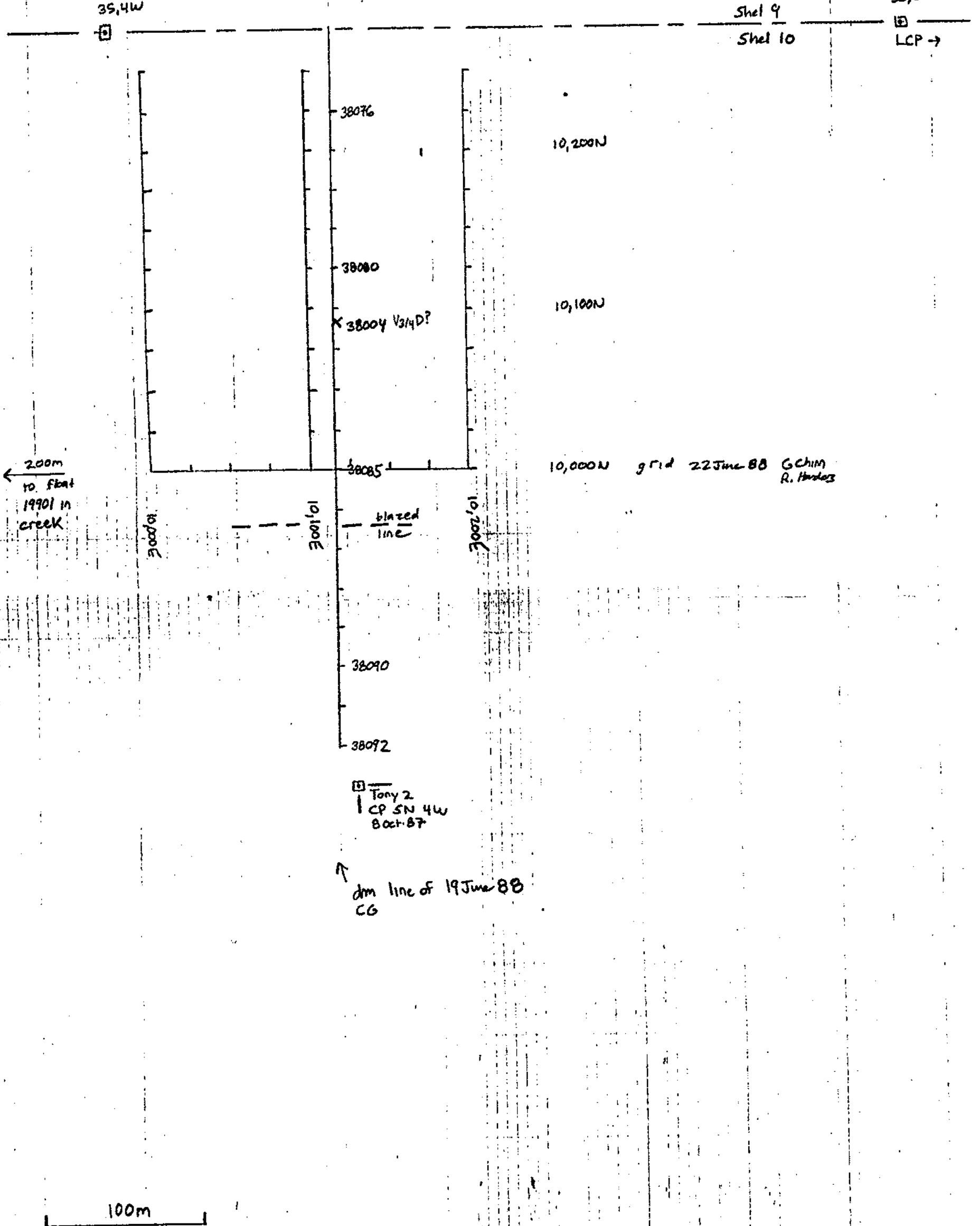
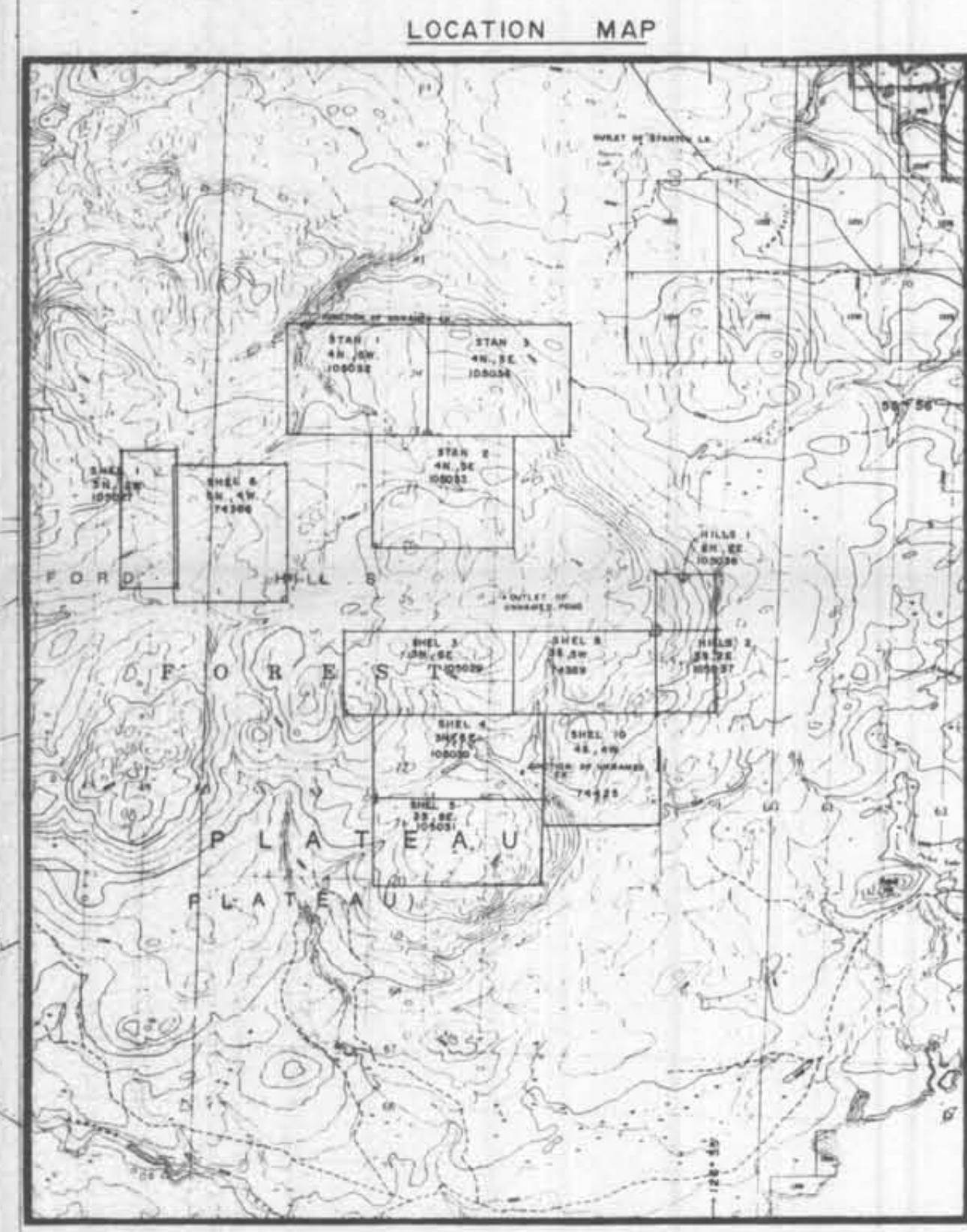
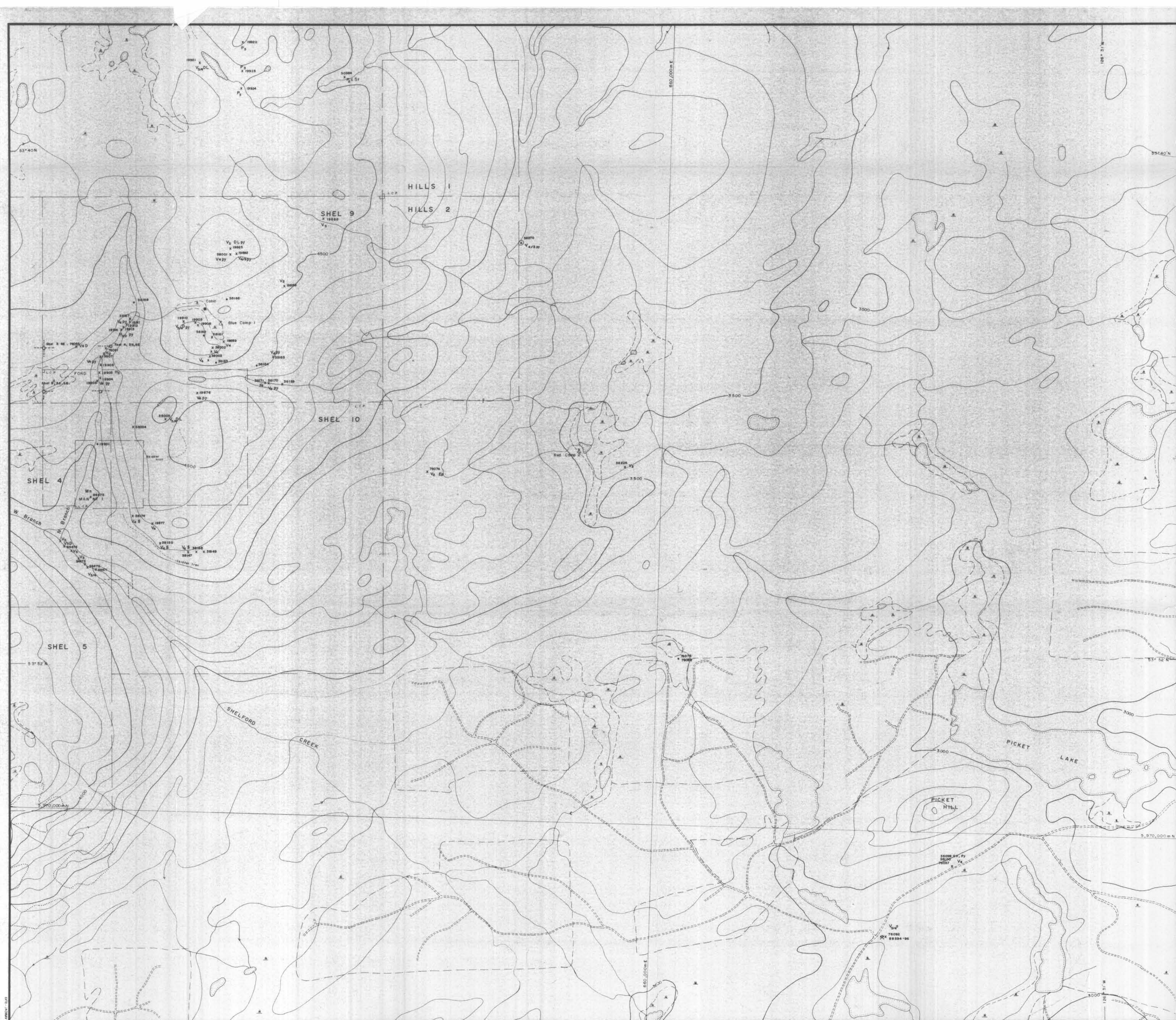


Fig. 20. Shel 10 Grid
shel 10 claim
255. Sheldford-Whitesail/
1:2500
DEMJR
8 May 1989



SCALE: 1:100,000

LEGEND

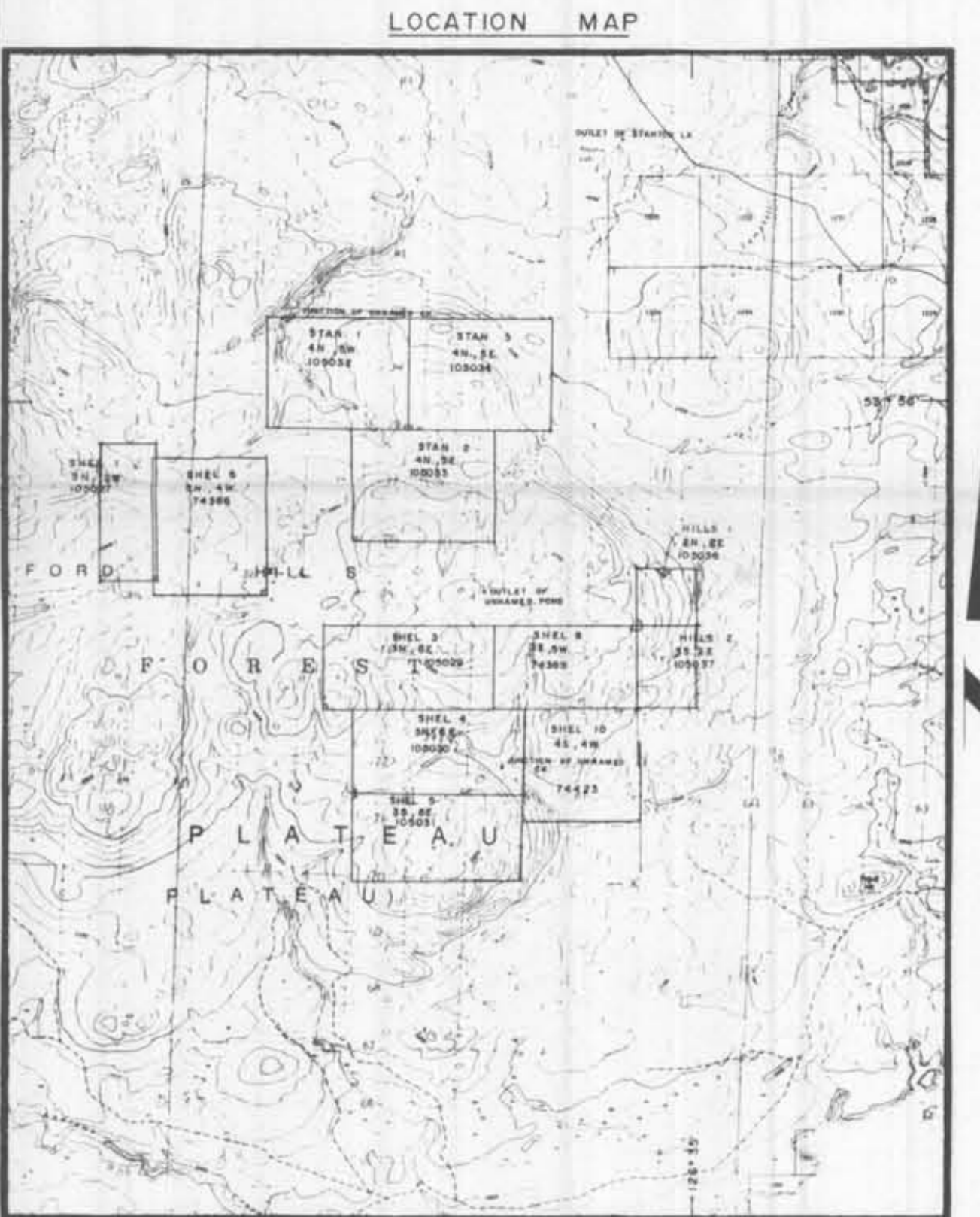
- ROCK TYPES:**
- V1 basalt
 - V2 andesite
 - V3 dacite
 - V4 rhyolite
 - V4m dacite to rhyolite
 - P1 gabbro
 - P2 diorite
 - P3 granodiorite, monzonite
 - P4 granite, syenite
 - H1 basaltic intrusive
 - H2 andesitic intrusive
 - H3 dacitic intrusive
 - H4 rhyolitic intrusive
- ABBREVIATIONS:**
- a altered
 - ca clay altered
 - bc Breccia
 - Co Calcite
 - Carb Carbonate
 - Ch Chlorite
 - D Tuff
 - hc Lapilli tuff
 - Ep Epidote
 - Ksp Potassium Feldspar
 - Mn Manganesic
 - py pyroclastic
 - Py Pyrite
 - Qtz Quartz
 - r rusty
 - Sr Sericite
 - Sulf Sulfide
 - X Unknown Mineral
- SYMBOLS:**
- swamp
 - lake
 - claim post
 - clear-cut
 - Blazed, flagged or cut line
 - logging road
 - gravel pit
 - quarry or rock pit
 - Outcrop: large, small
 - Probable/Possible outcrop
 - Rock sample location (bedrock)
 - Rock sample location (float)
 - strike and dip of bedding
 - strike and dip of contact
 - strike and dip to foliation or shearing
 - strike and dip of jointing
 - Geological contact, defined
 - Geological contact, inferred
 - Geological contact, assumed
 - Linear structure

GEOLOGICAL BRANCH ASSESSMENT REPORT

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SCALE: 1:10,000

| | | |
|-----------------|--|-------------------|
| REVISED | SHELFORD - WHITESAIL | |
| L.E., Oct. 88 | GEOLOGY AND ROCK SAMPLE LOCATIONS | |
| M.L. 31 July 89 | | |
| PROJ. No. 255 | SURVEY BY: W.D. & C.S.J. D.M. | DATE: Sept., 1988 |
| N.T.S. 938/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 3 | OFFICE: PRINCE GEORGE, B.C. | |



SCALE 1:40,000

LEGEND

- Soil Sample Location
- Soil Sample Anomaly Follow-up (usually 5 samples one at site and 10m N,S,E,W)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Claim post and claim boundary
- Blazed flagged, cut line
- Gravel pit
- Quarry or rock pit

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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| | |
|---|---|
| 3 | 4 |
| 2 | 1 |

SCALE 1:10,000

| | | |
|------------------|------------------------------|-------------------|
| REVISED | SHELFORD - WHITESAIL | |
| L.E. Oct, 1988 | | |
| M.L. 31 July, 89 | | |
| | SOIL SAMPLE LOCATIONS | |
| PROJ. No. 255 | SURVEY BY: W.D., C.G., D.M. | DATE: Sept., 1988 |
| N.T.S. 9/87/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 4 | OFFICE: PRINCE GEORGE, B.C. | |



SCALE 1:10,000

LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral) pan
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Claim post and claim boundary
- Blazed flagged, cut line
- Gravel pit
- Quarry or rock pit

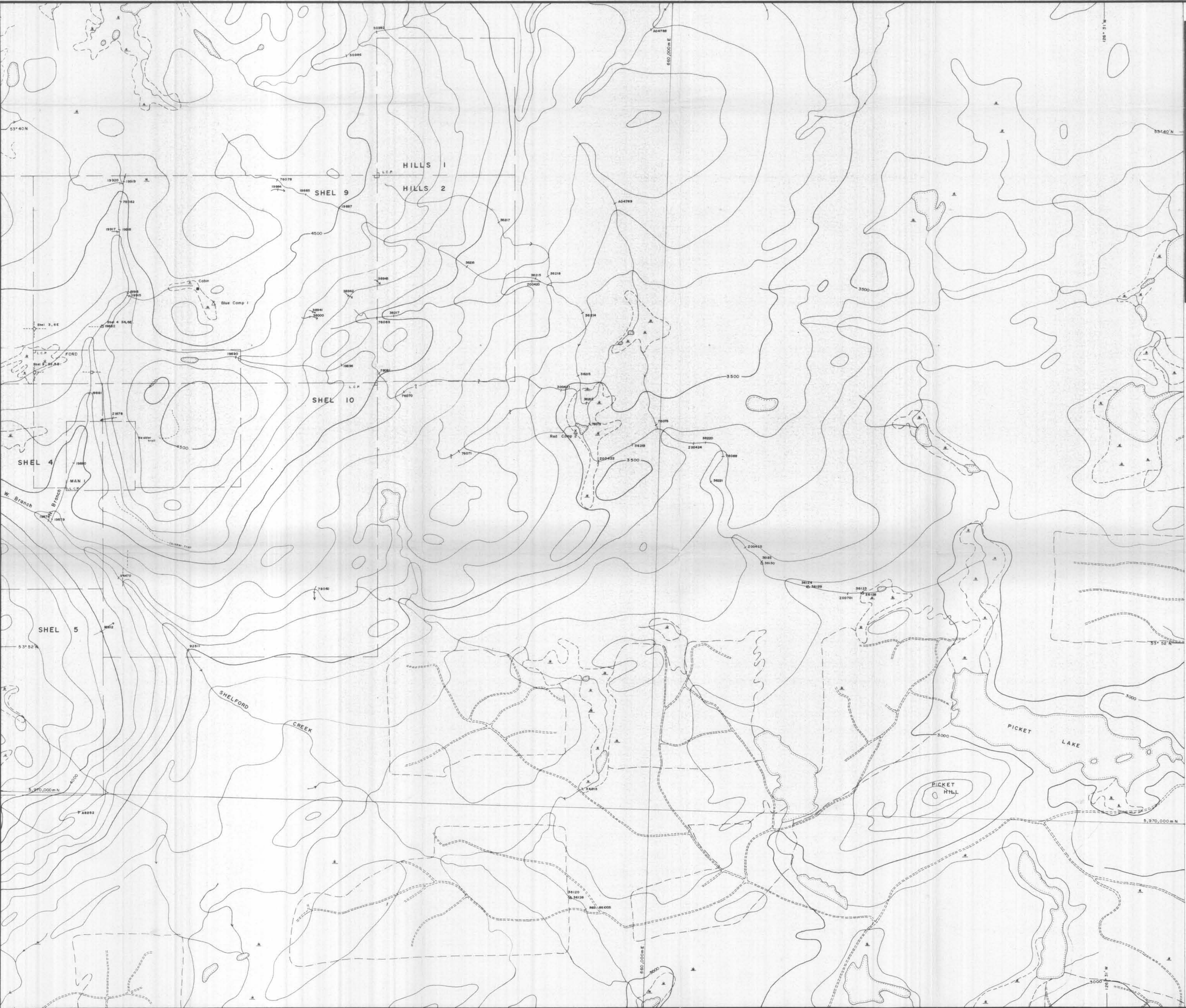
GEOLOGICAL BRANCH
ASSESSMENT REPORT

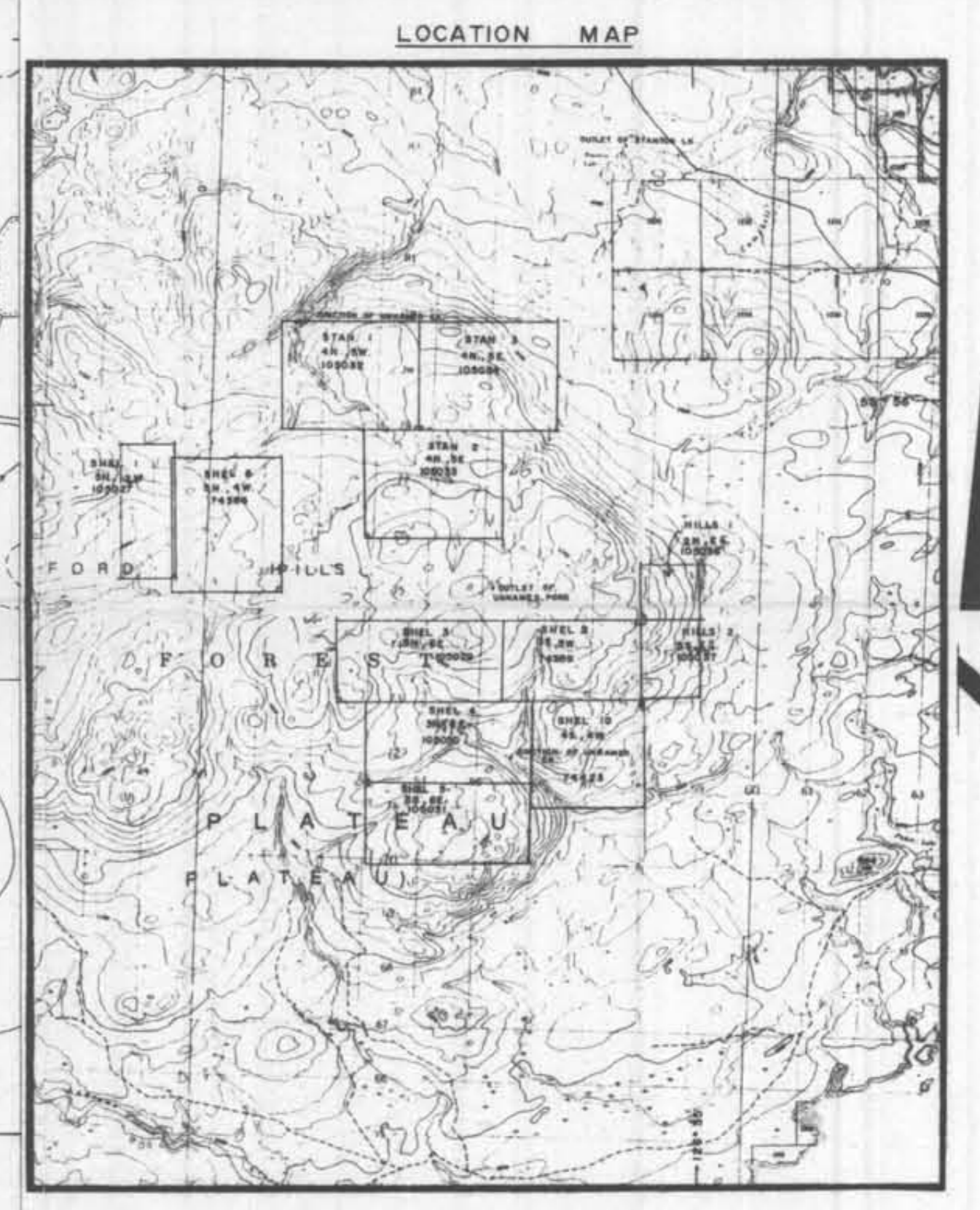
19,107

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| 3 | 4 |
| 2 | 1 |

SCALE 1:10,000

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| REVISED | SHELFORD - WHITESAIL | |
| L.E. Oct., 1988 | | |
| | SILT AND PAN SAMPLE LOCATIONS | |
| PROJ. No. 255 | SURVEY BY: W.D., C.O., D.M. | DATE: Sept., 1988 |
| N.T.S. 93E/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 5 | OFFICE: PRINCE GEORGE, B.C. | |





SCALE 1:100,000

LEGEND

ROCK TYPES:

| | |
|------------------------------------|------------------------------------|
| V ₁ basalt | H ₁ basaltic intrusive |
| V ₂ andesite | H ₂ andesitic intrusive |
| V ₃ dacite | H ₃ dacitic intrusive |
| V ₄ rhyolite | H ₄ rhyolitic intrusive |
| V _{4M} dacite to rhyolite | |

P₁ gabbro
P₂ diorite
P₃ granodiorite, monzonite
P₄ granite, syenite

ABBREVIATIONS:

| | |
|----------------|-----------------------|
| a altered | Kp Potassium Feldspar |
| c clay altered | Mn Manganese |
| De Dolomite | P porphyritic |
| Ca Calcite | Py Pyrite |
| Carb Carbonate | Qu Quartz |
| Ch Chlorite | r rusty |
| D Tuff | Sr Sericite |
| U Lapilli tuff | S Sulfide |
| Ep Epidote | X Unknown Mineral |

SYMBOLS:

| | |
|--|---|
| | swamp |
| | lake |
| | claim post |
| | clear-cut |
| | blazed, flagged or cut line |
| | logging road |
| | gravel pit |
| | quarry or rock pit |
| | Outcrop: large, small |
| | Probable/Possible outcrop |
| | Rock sample location (bedrock) |
| | Rock sample location (float) |
| | strike and dip of bedding |
| | strike and dip of contact |
| | strike and dip to foliation or shearing |
| | strike and dip of jointing |
| | Geological contact, defined |
| | Geological contact, inferred |
| | Linear structure |
| | Camp |
| | Float |

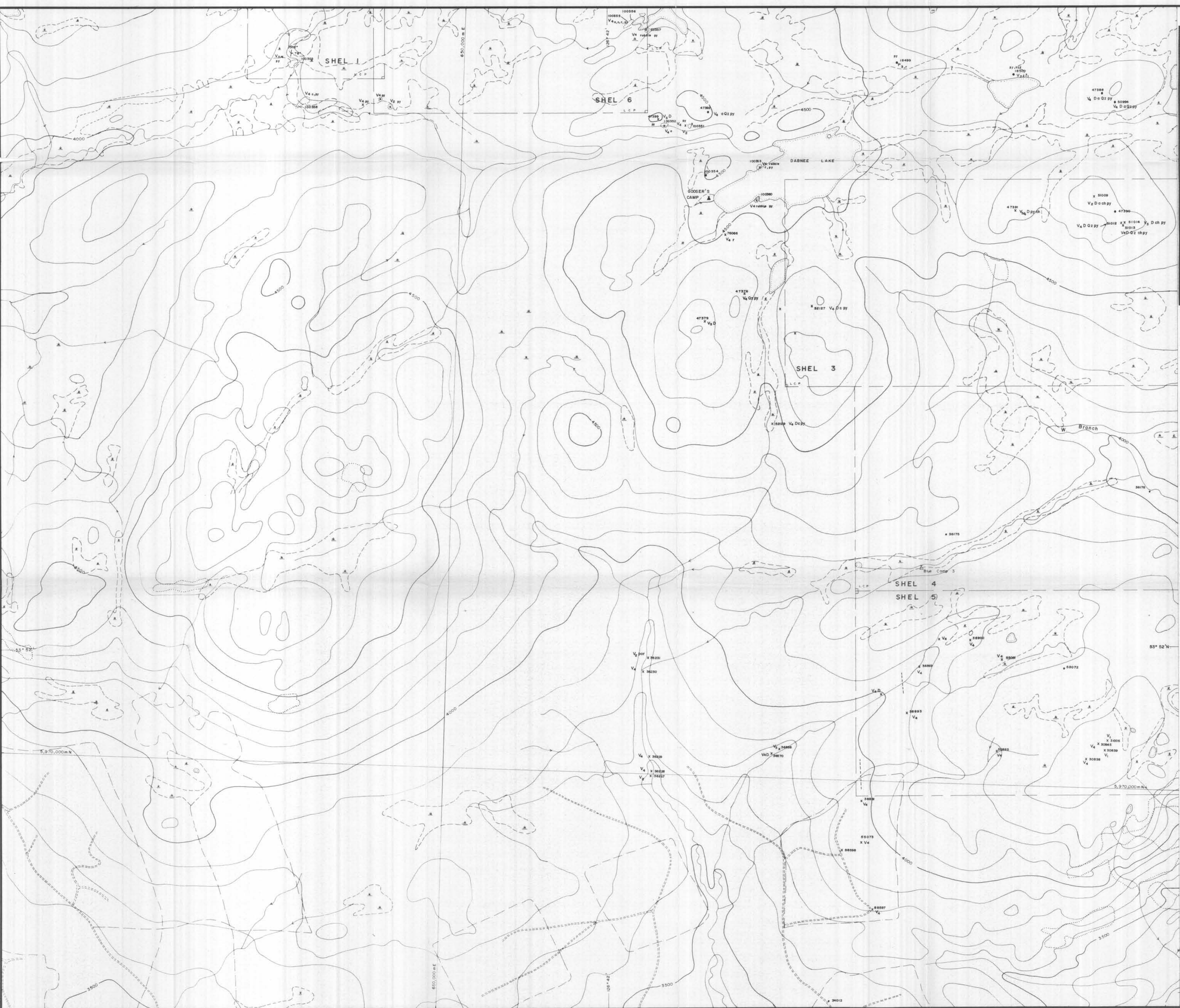
GEOLOGICAL BRANCH ASSESSMENT REPORT

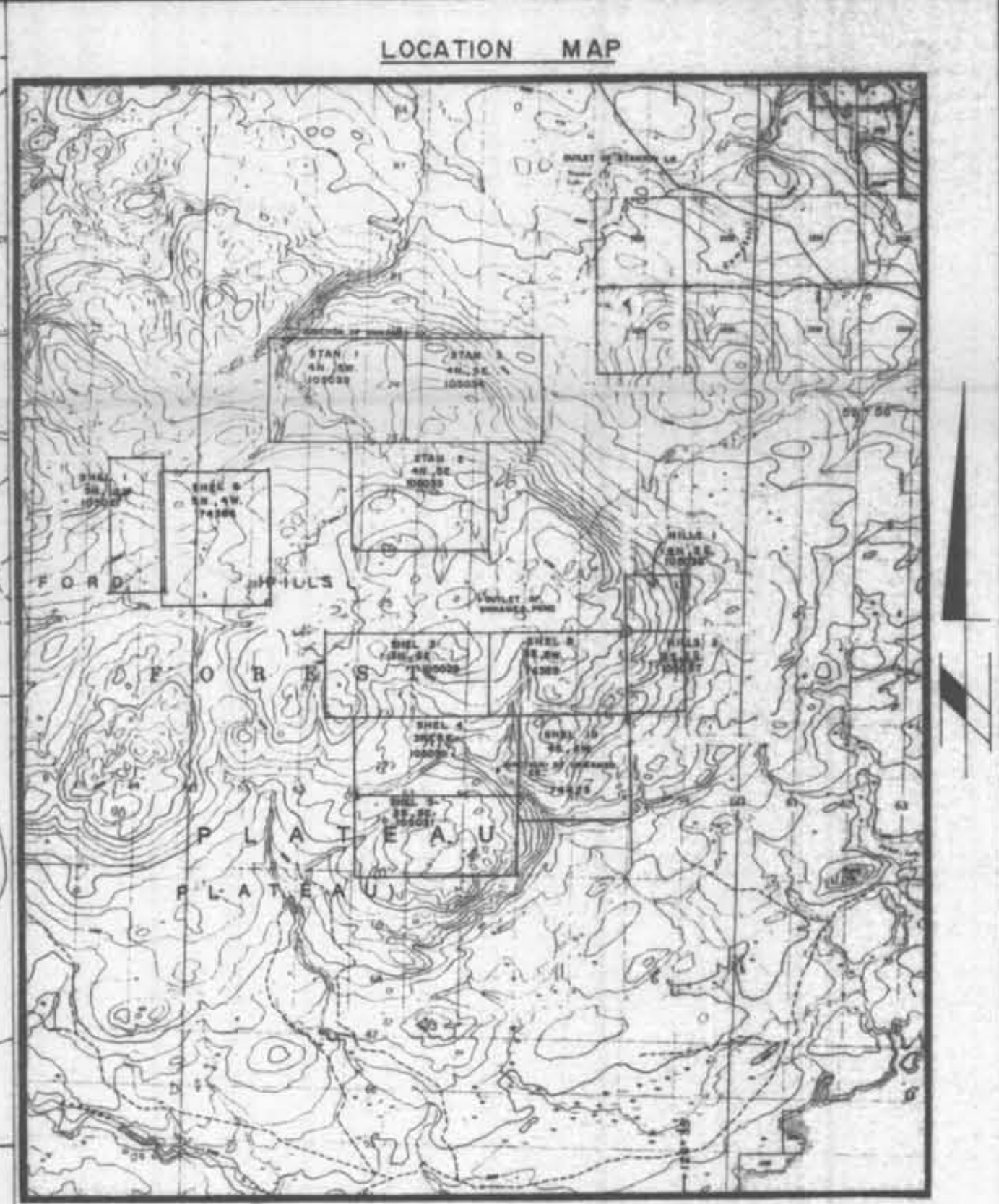
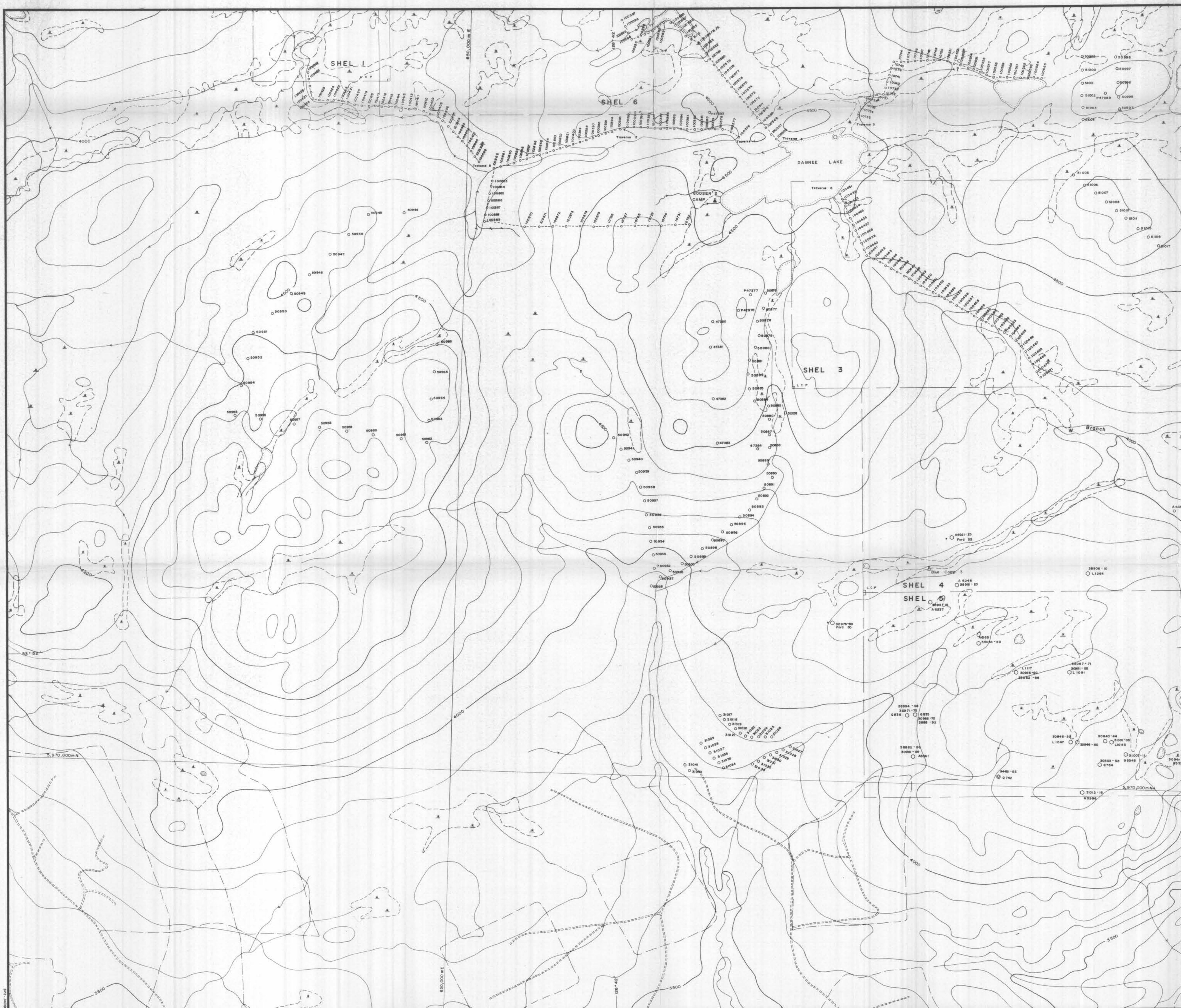
19,107

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| 3 | 4 |
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SCALE 1:10,000

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|-----------------|---|------------------|
| REVISED | SHELFORD - WHITESAIL | |
| L.E. Oct. 1988 | GEOLOGY, ROCK AND FLOAT SAMPLE LOCATIONS | |
| M.L. 31 July 89 | | |
| PROJ. No. 255 | SURVEY BY: W.D., C.S., D.M. | DATE: Sept. 1988 |
| N.T.S. 1:10,000 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 6 | OFFICE: PRINCE GEORGE, B.C. | |





LEGEND

- Soil Sample Location
- Soil Sample Maturity Follow-up (usually 5 samples one at site and 10m N,W,S,E.)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- 742 Canmax 1983 Soil Sample
- Claim post and claim boundary
- Bleed flagged, cut line
- Gravel pit
- Quarry or rock pit

GEOLOGICAL BRANCH ASSESSMENT REPORT

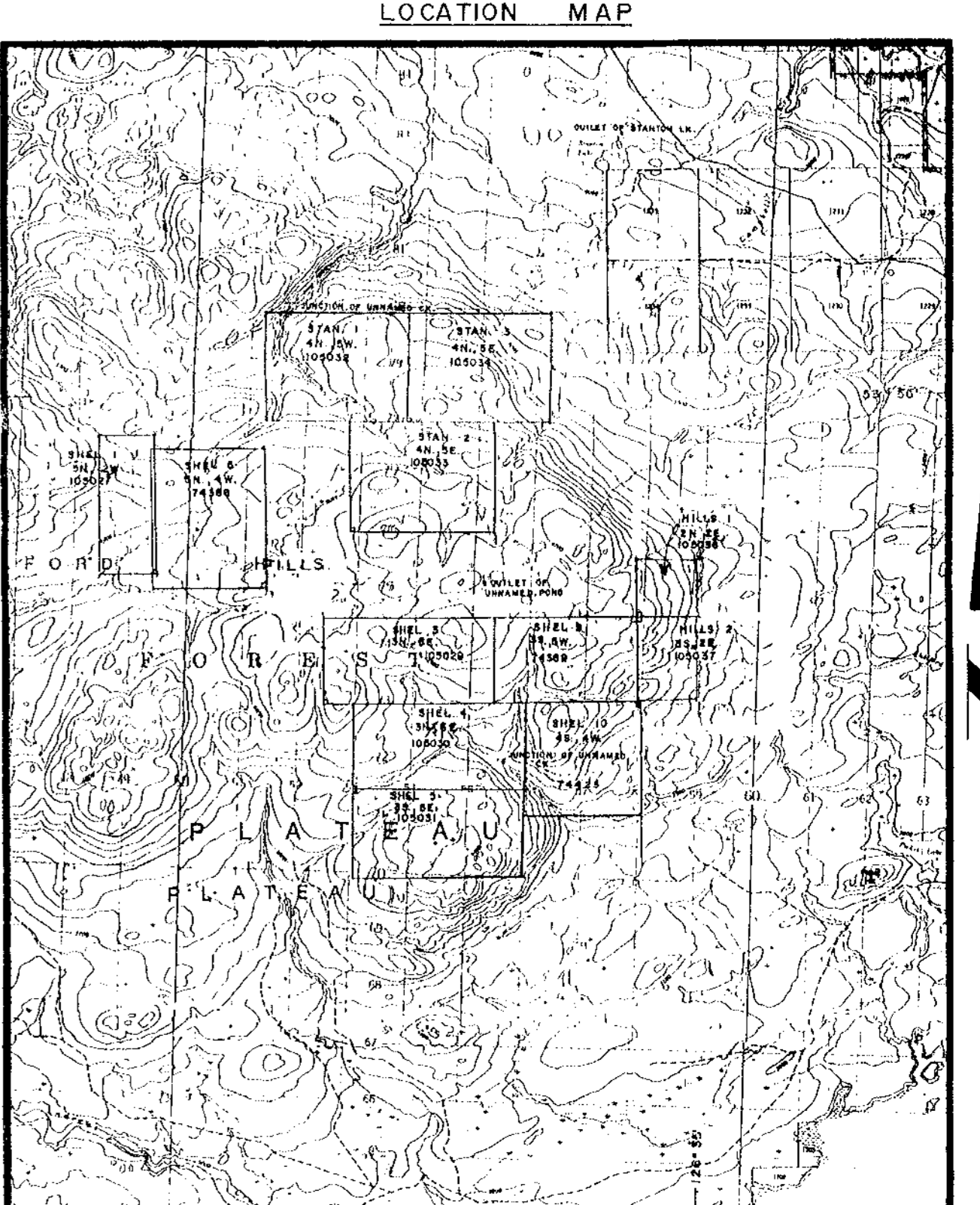
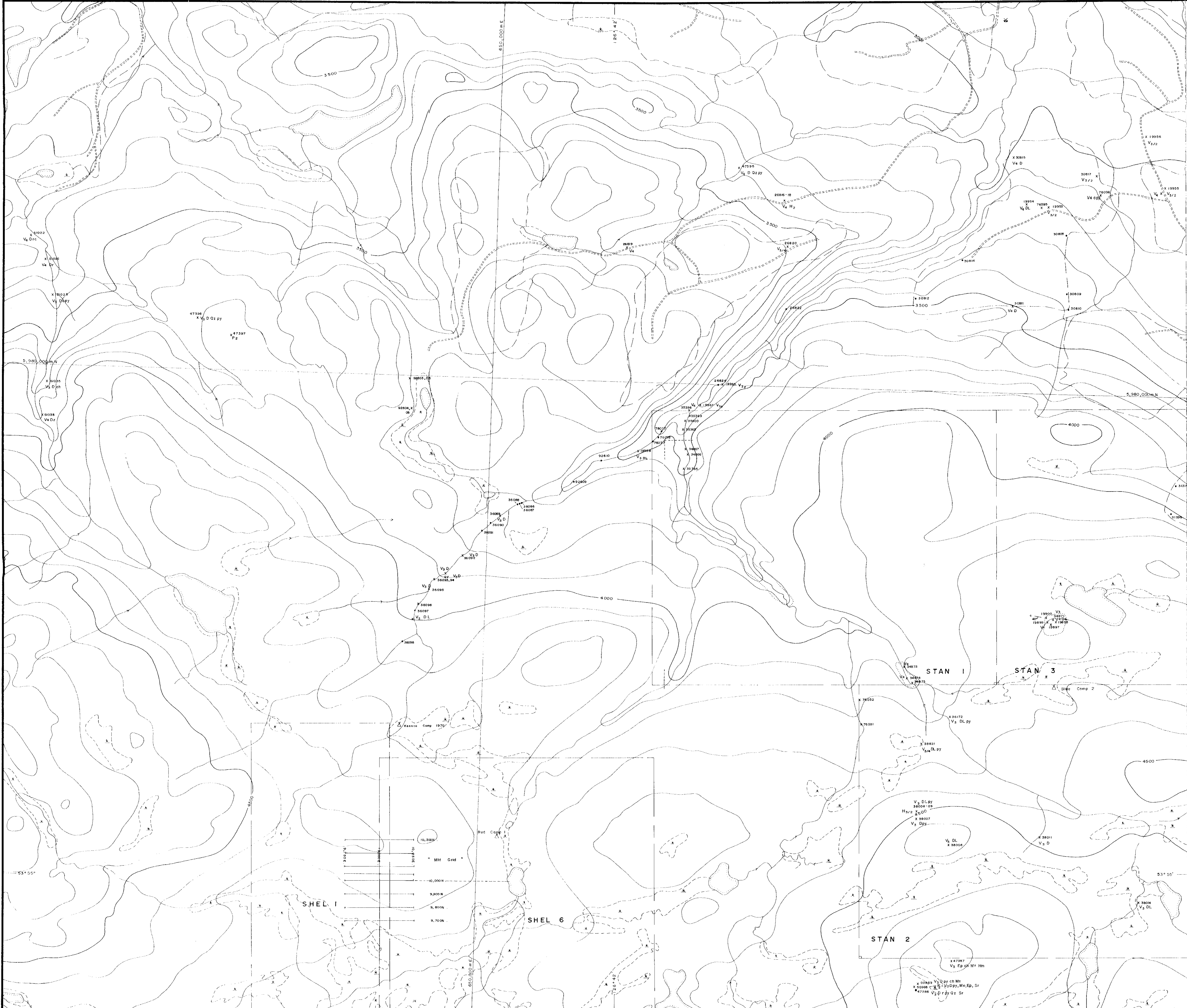
19,107

M.S.P. Sheet Index

| | |
|---|---|
| 3 | 4 |
| 2 | 1 |

0 500 1000 metres
SCALE 1:10,000

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|-----------------|------------------------------|-------------------|
| REVISED | SHELFORD - WHITESAIL | |
| L.E. Oct., 1988 | | |
| M.L. July, 89 | | |
| | SOIL SAMPLE LOCATIONS | |
| PROJ. No. 255 | SURVEY BY: W.D., C.G., D.M. | DATE: Sept., 1988 |
| N.T.S. 93E/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 7 | OFFICE: PRINCE GEORGE, B.C. | |



SCALE 1:100,000

LEGEND

- ROCK TYPES:**
- V₁ basalt
 - V₂ andesite
 - V₃ dacite
 - V₄ rhyolite
 - V₅ dacite to rhyolite
 - H₁ basaltic intrusive
 - H₂ andesitic intrusive
 - H₃ dacitic intrusive
 - H₄ rhyolitic intrusive

- P₁ gabbro
- P₂ diorite
- P₃ granodiorite, monzonite
- P₄ granite, syenite

- ABBREVIATIONS:**
- | | | | |
|------|--------------|-------|--------------------|
| a | altered | Ksp | Potassium feldspar |
| c | clay altered | Mn | Manganese |
| br | breccia | Py | pyrophylic |
| cc | calcite | Pyx | Pyroxene |
| carb | Carbonate | Qtz | Quartz |
| ch | Chert | rusty | rusty |
| D | Tuff | Sr | Sericite |
| DL | Lapilli tuff | S | Sulfide |
| sp | Spate | X | Unknown Mineral |

- SYMBOLS:**
- swamp
 - lake
 - claim post
 - clear-cut
 - Blazed, flagged or cut line
 - logging road
 - gravel pit
 - quarry or rock pit
 - Outcrop: large, small
 - Rock sample location (bedrock)
 - Rock sample location (float)
 - strike and dip of bedding
 - strike and dip of contact
 - strike and dip to foliation or shearing
 - strike and dip of jointing
 - Geological contact, defined
 - Geological contact, inferred
 - Geological contact, assumed
 - Linear structure

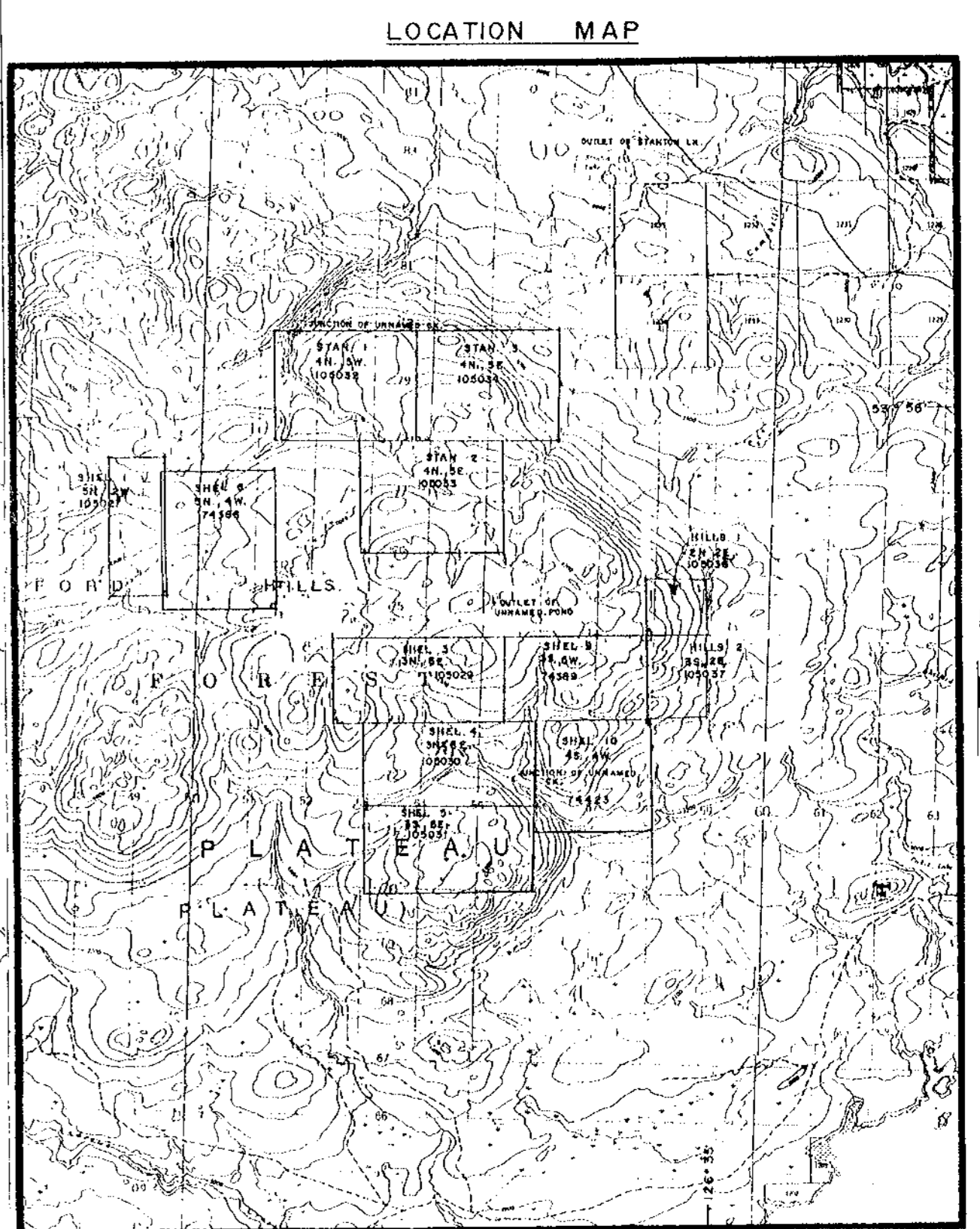
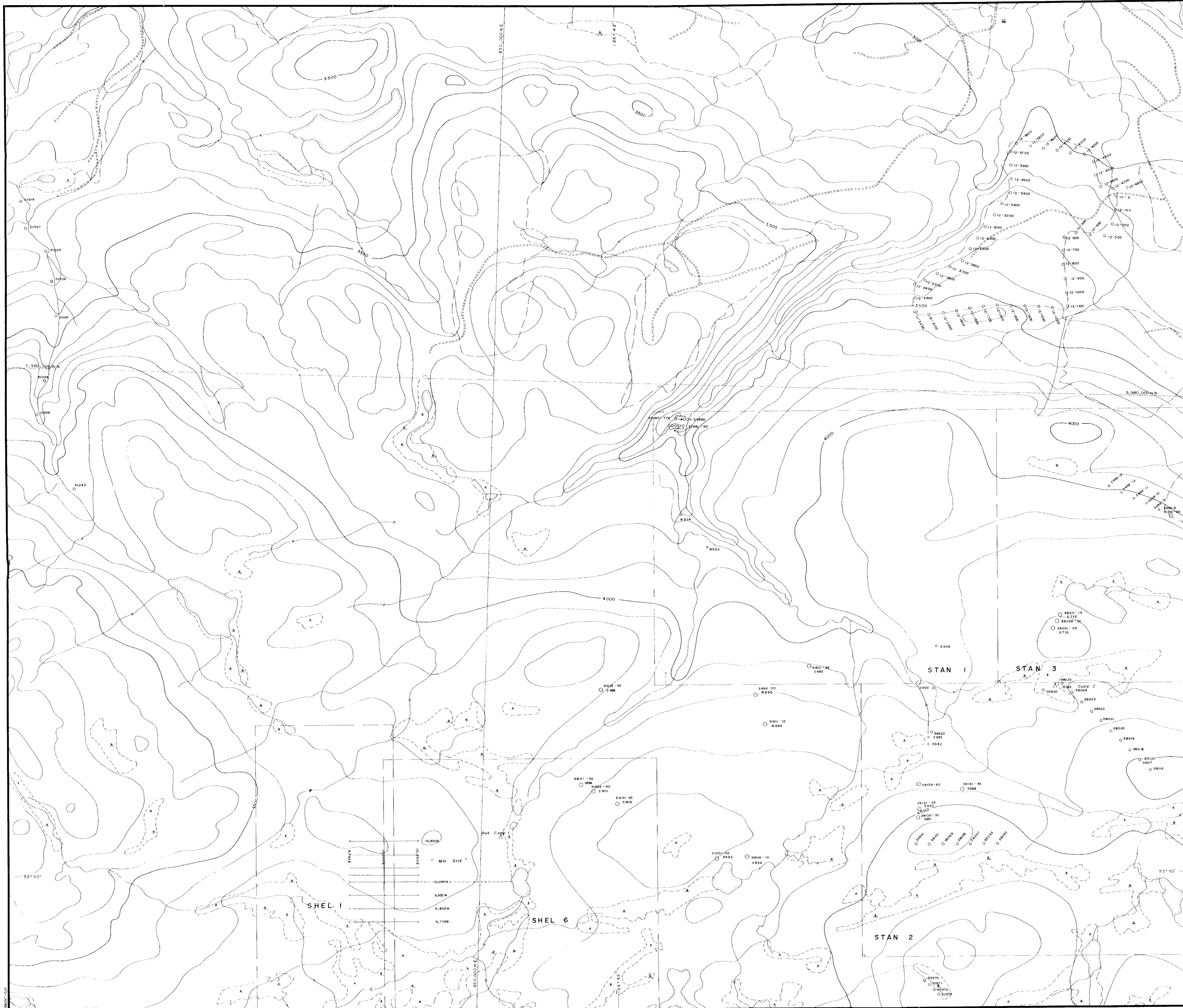
19, 10, 1988

Mop. Sheet Index

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|---|---|
| 3 | 4 |
| 2 | 1 |

SCALE 1:10,000

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| REVISED | SHELFORD - WHITESAIL | | |
| L.E. Oct. 1988 | | | |
| D.M. Mar. 89 | | | |
| GEOLOGY, ROCK AND FLOAT SAMPLE LOCATIONS | | | |
| PROJ. No. 255 | SURVEY BY: W.D., C.G., D.M. | DATE: Sept. 1988 | |
| NTS 93E AS | DRAWN BY: S.M.B. | SCALE: 1:10,000 | |
| DWG. No. | NORANDA EXPLORATION | | |
| FIG. 9 | OFFICE: P.R.I.N.C.E. G.E.O.R.A.F.E., B.C. | | |



LEGEND

- 38027 ○ Soil Sample Location
- 38026-30 ○ Soil Sample Anomaly Follow-up usually 5 samples one at site and 4m N,S,E,W
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- N 928 ○ Conmax Soil Samples (1983)
- Claim post and claim boundary
- Blazed flagged, cut line
- Gravel pit
- Quarry or rock pit

GEOLOGICAL BRANCH ASSESSMENT REPORT

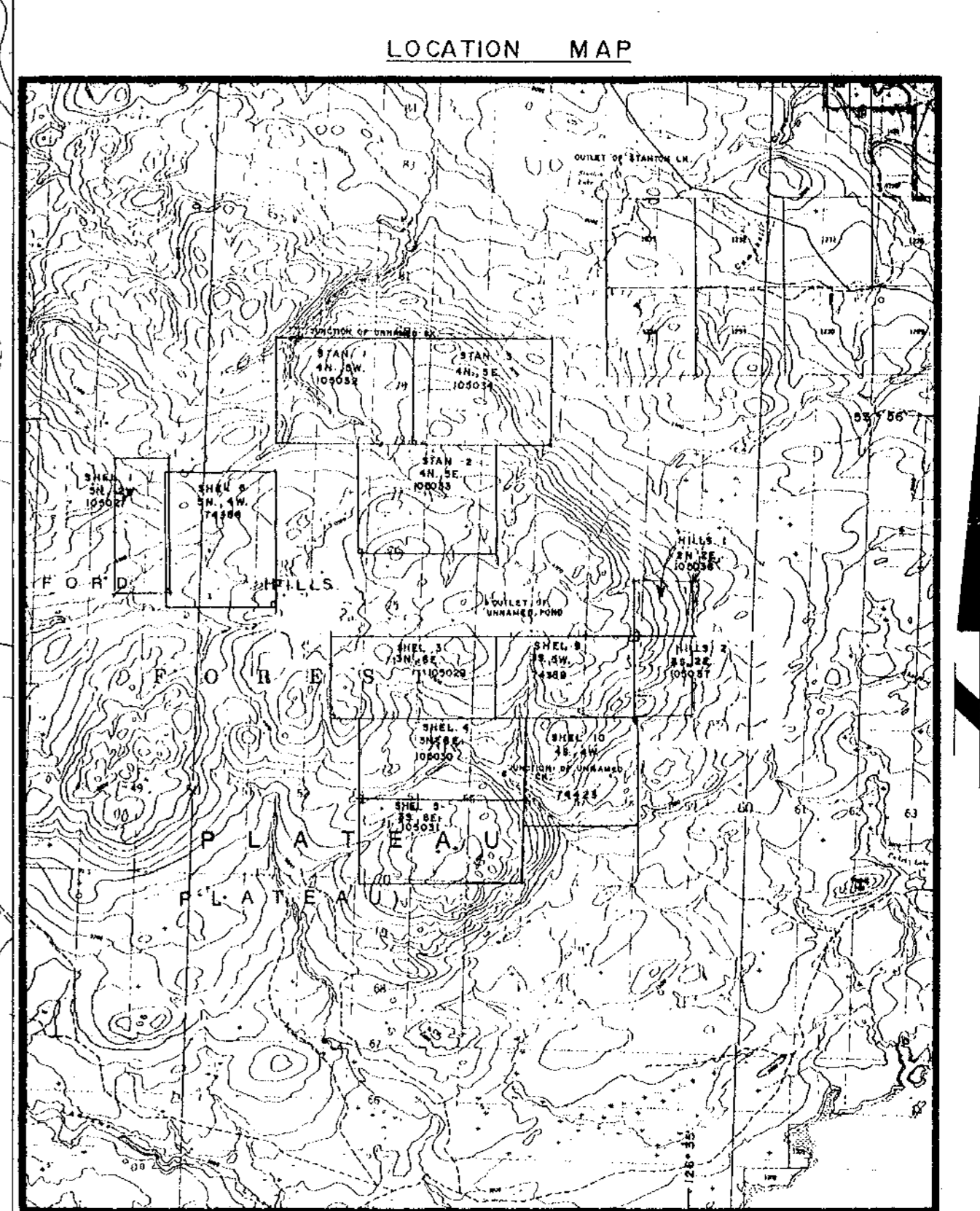
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Map Sheet Index

| | |
|---|---|
| 3 | 4 |
| 2 | 1 |

0 500 1000 metres
SCALE 1:10,000

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| REVISED | SHELFORD - WHITESAIL | |
| L.E. Oct. 1988 | | |
| D.M. Mar. 89 | | |
| | SOIL SAMPLE LOCATIONS | |
| PROJ. No. 258 | SURVEY BY: W.D., C.S., D.M. | DATE: 5991. 1988 |
| | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| OWG No. | NORANDA EXPLORATION | |
| FIG. 10 | OFFICE: PRINCE GEORGE, B.C. | |



LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Old Noranda Silt Sample Location
- Regional Geochemical Survey (Federal/B.C.) Silt Sample Location
- Claim post and claim boundary
- Blazed flagged, cut line
- Gravel pit
- Quarry or rock pit

GEOLOGICAL BRANCH
ASSESSMENT REPORT

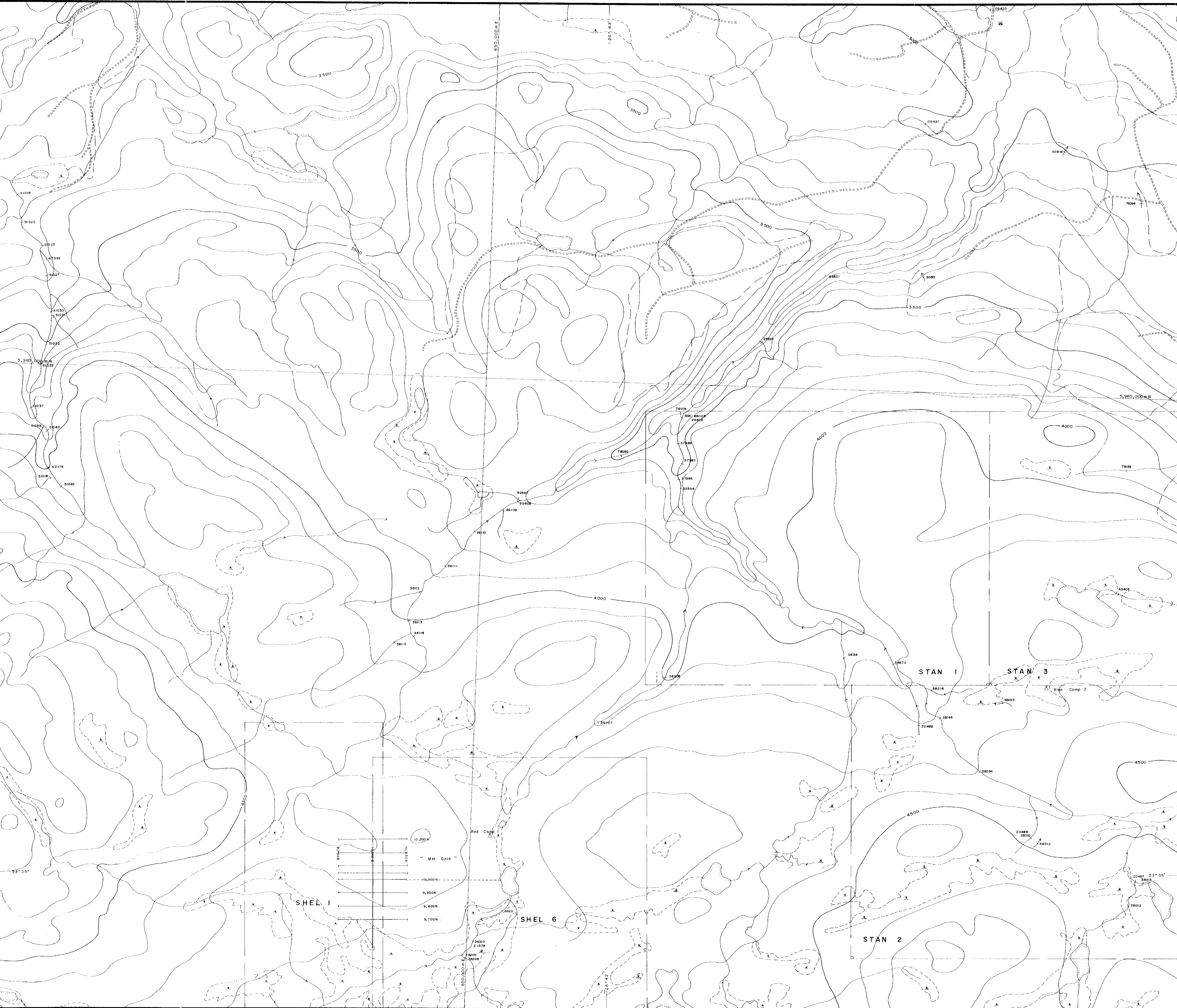
19,107

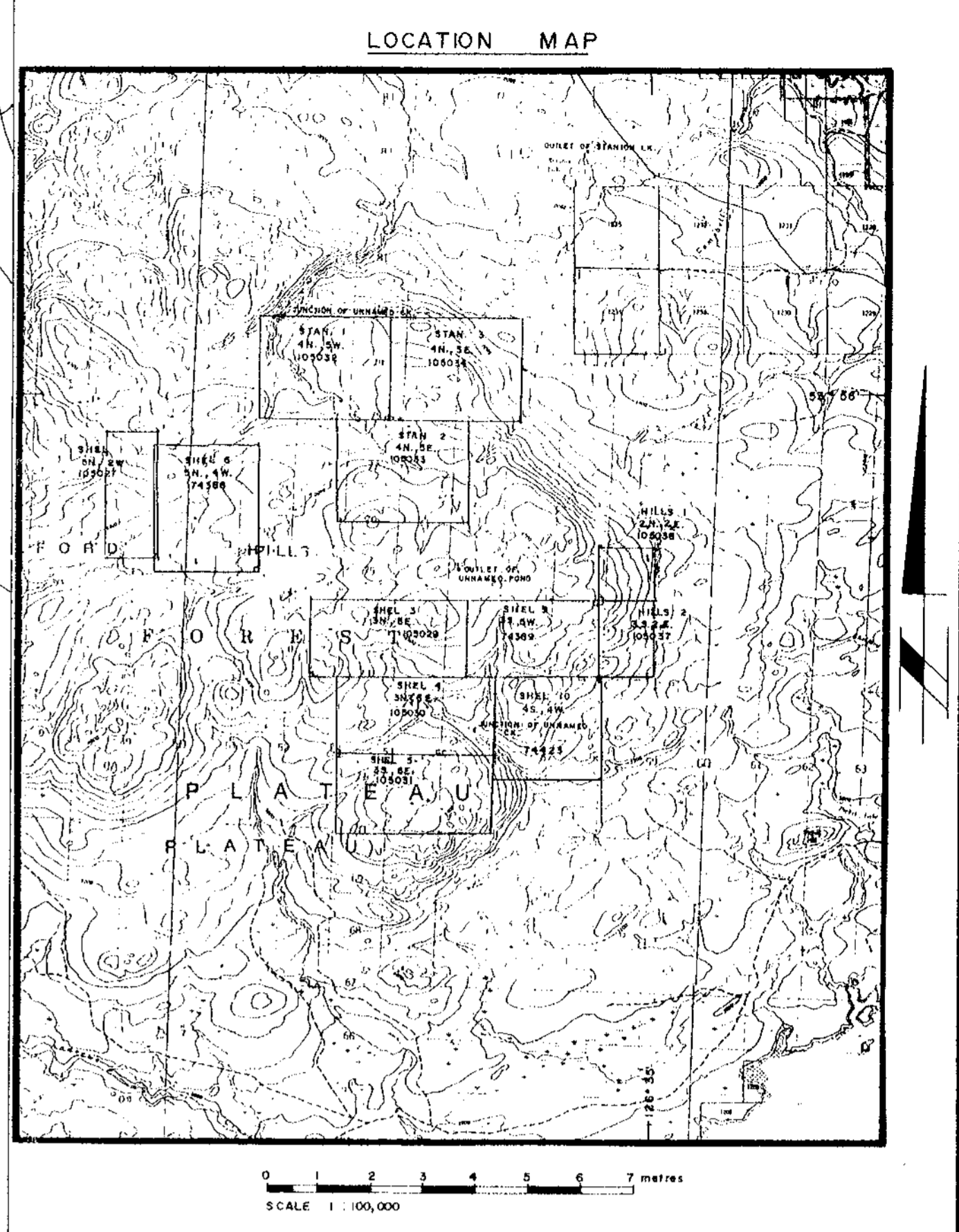
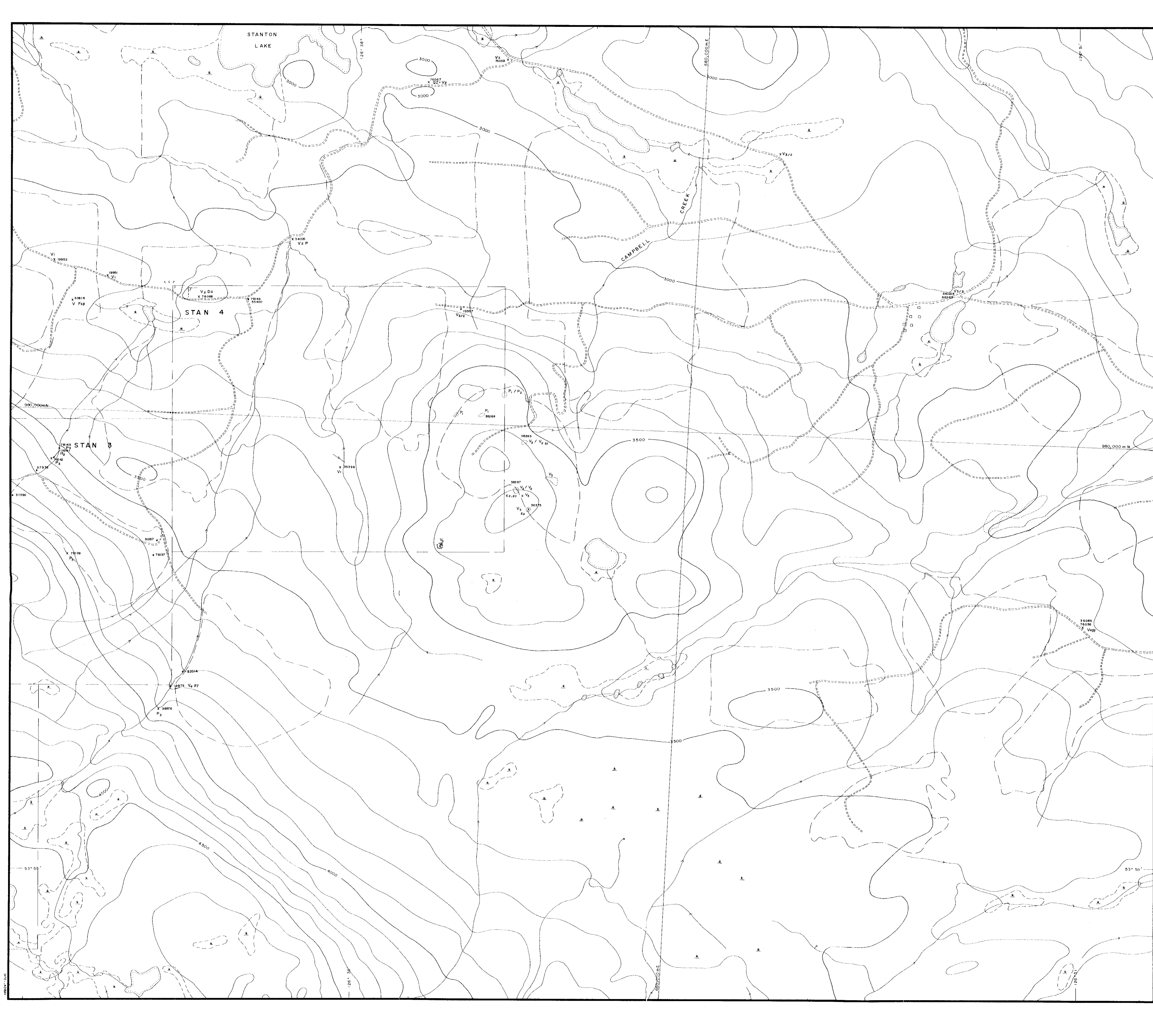
Map Sheet Index

| | |
|---|---|
| 3 | 4 |
| 2 | 1 |

SCALE 1:10,000

| | | |
|-----------------|---|------------------|
| REVISED | SHELFORD - WHITESAIL | |
| I. E. Oct. 1988 | SILT AND PAN SAMPLE LOCATIONS | |
| PROJ. No. 252 | SURVEY BY: W.D., C.S., D.M. | DATE: Sept. 1988 |
| N.T.S. 30E/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 11 | OFFICE: P.R.I.N.C.E. G.E.O.R.G.E., B.C. | |





LEGEND

ROCK TYPES:

| | |
|--|--|
| V1 basalt | H1 basaltic intrusive |
| V2 andesite | H2 andesitic intrusive |
| V3 dacite | H3 dacitic intrusive |
| V4 rhyolite | H4 rhyolitic intrusive |
| V4a dacite to rhyolite | |

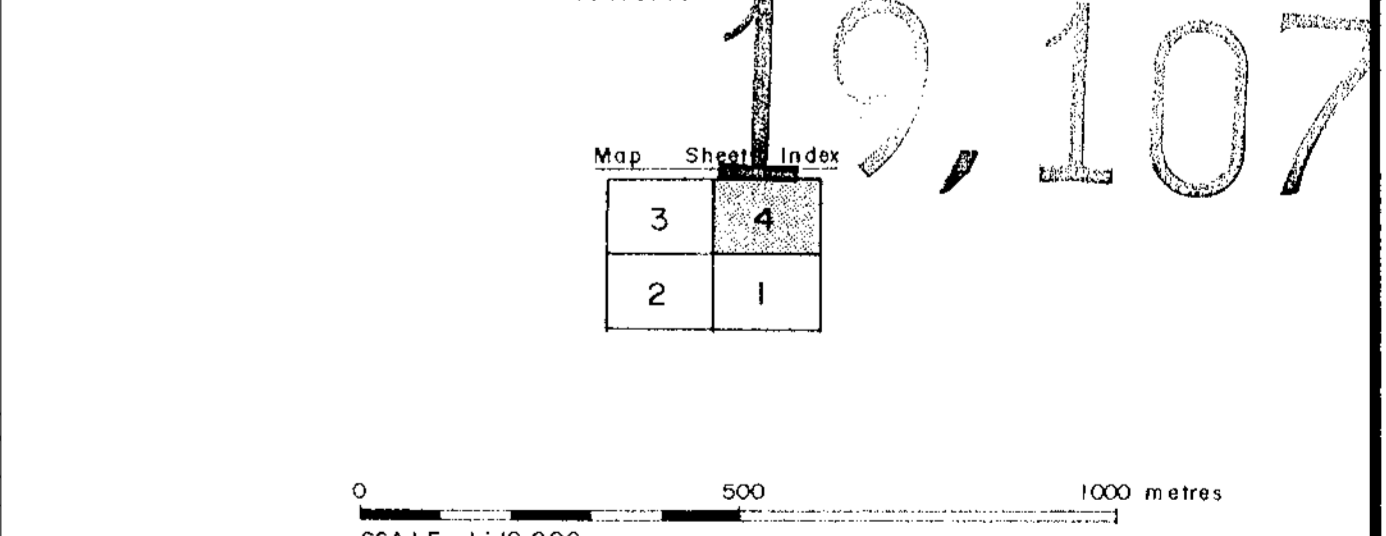
| | |
|--|--|
| P1 gabbro | |
| P2 diorite | |
| P3 granodiorite, monzonite | |
| P4 granite, syenite | |

ABBREVIATIONS:

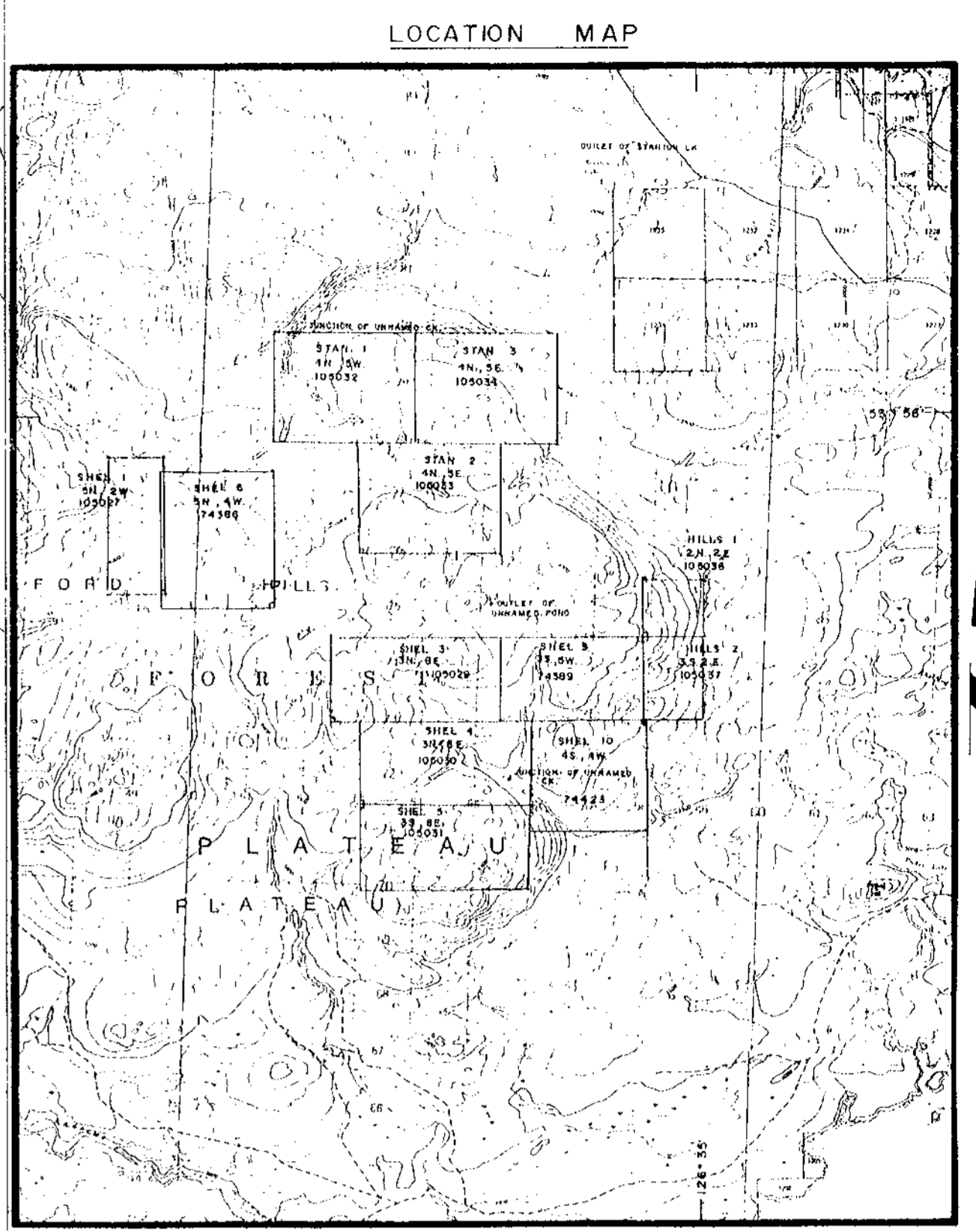
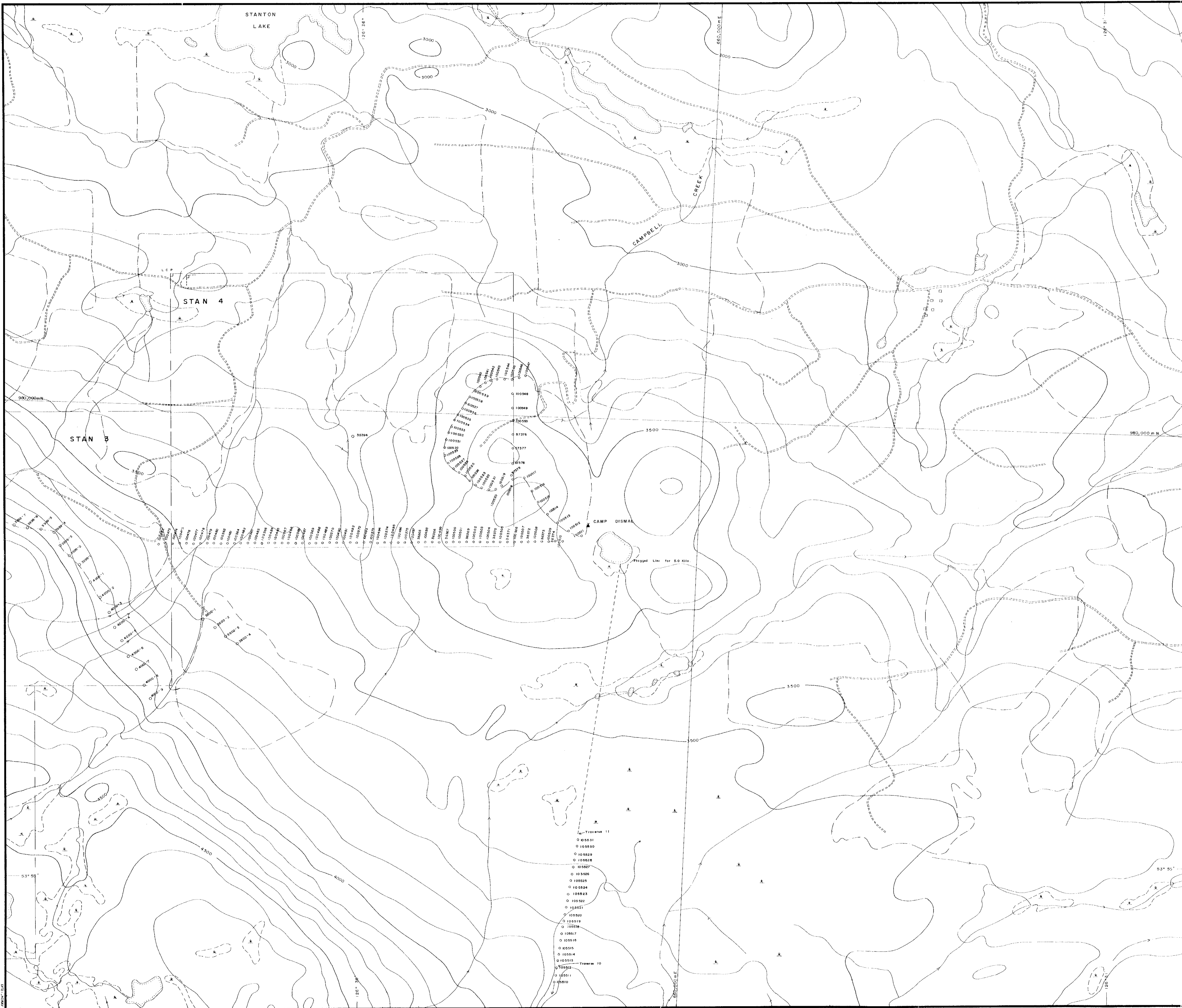
| | |
|-----------------|------------------------|
| a altered | Ksp Potassium Feldspar |
| c clay altered | Mn Manganese |
| bx Breccia | P porphyritic |
| cc Calcite | Py Pyrite |
| Carb Carbonate | Qtz Quartz |
| Ch Chert | r rusty |
| D tuff | Sr Sericite |
| DL Lapilli tuff | Ss Sulfide |
| Ep Epidote | X Unknown Mineral |

SYMBOLS:

| | |
|--|---|
| | swamp |
| | lake |
| | claim post |
| | clear-out |
| | Blazed, flagged or out line |
| | logging road |
| | gravel pit |
| | quarry or rock pit |
| | Outcrop: large, small |
| | Rock sample location (bedrock) |
| | Rock sample location (float) |
| | strike and dip of bedding |
| | strike and dip of contact |
| | strike and dip to foliation or shearing |
| | strike and dip of jointing |
| | Geological contact, defined |
| | Geological contact, inferred |
| | Geological contact, assumed |
| | Linear structure |



| | | |
|----------------|--|-------------------|
| REVISED | SHELFORD - WHITESAIL | |
| M. L. July, 89 | GEOLOGY, ROCK AND FLOAT SAMPLE LOCATIONS | |
| PROD. No. 255 | SURVEY BY: W. D., C. G., D. M. | DATE: Sept., 1988 |
| N.T.S. 93E/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 12 | OFFICE: PRINCE GEORGE, B.C. | |



LEGEND

- 38027 O Soil Sample Location
- 38028-30 O Soil Sample Anomaly Follow-up usually 5 samples one at site and 10m N,S,E,W,I
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- N 928 O Canomax Soil Samples (1983)
- Claim post and claim boundary
- Blazed flagged, cut line
- Gravel pit
- Quarry or rock pit

GEOLOGICAL BRANCH
ASSESSMENT REPORT

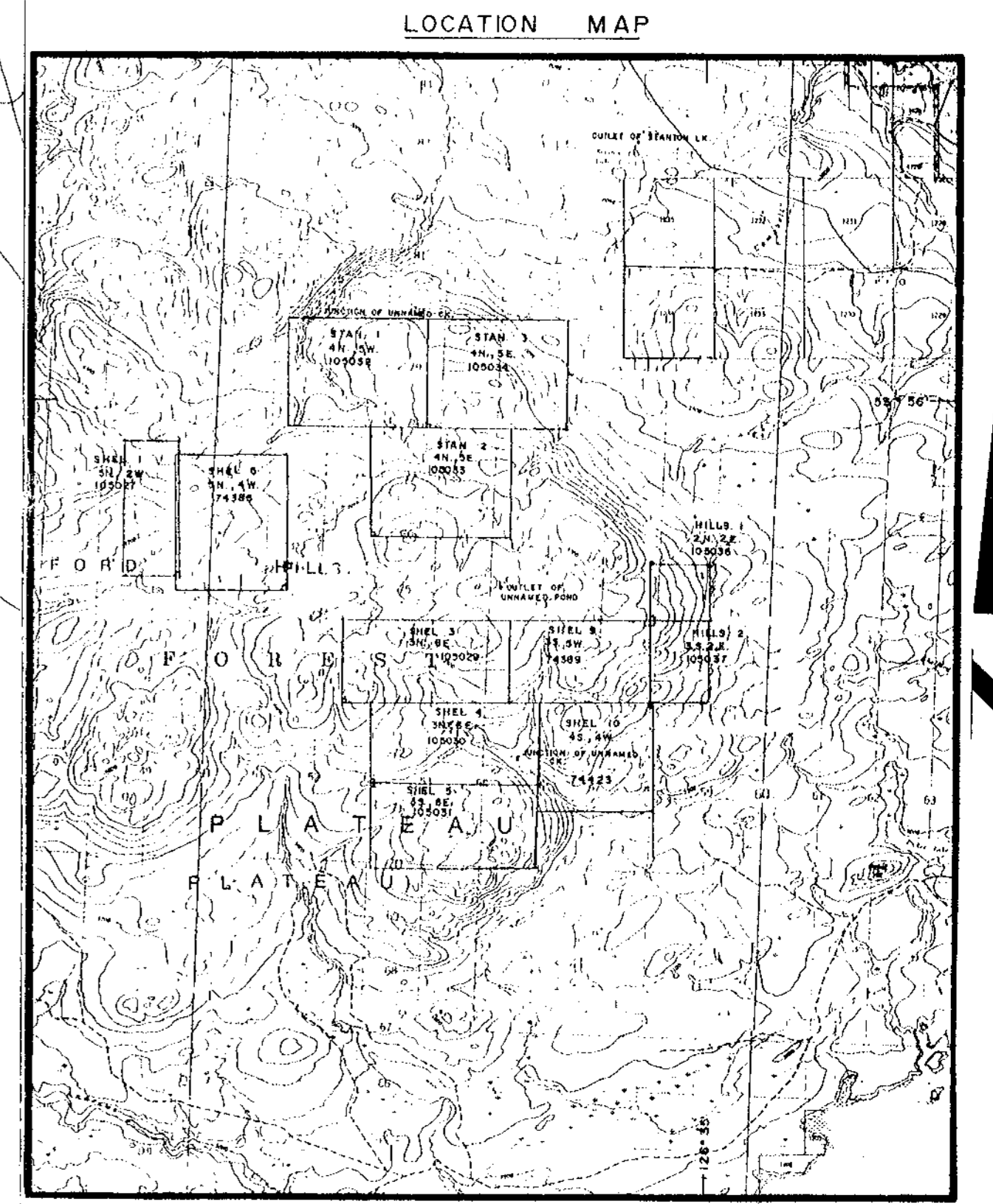
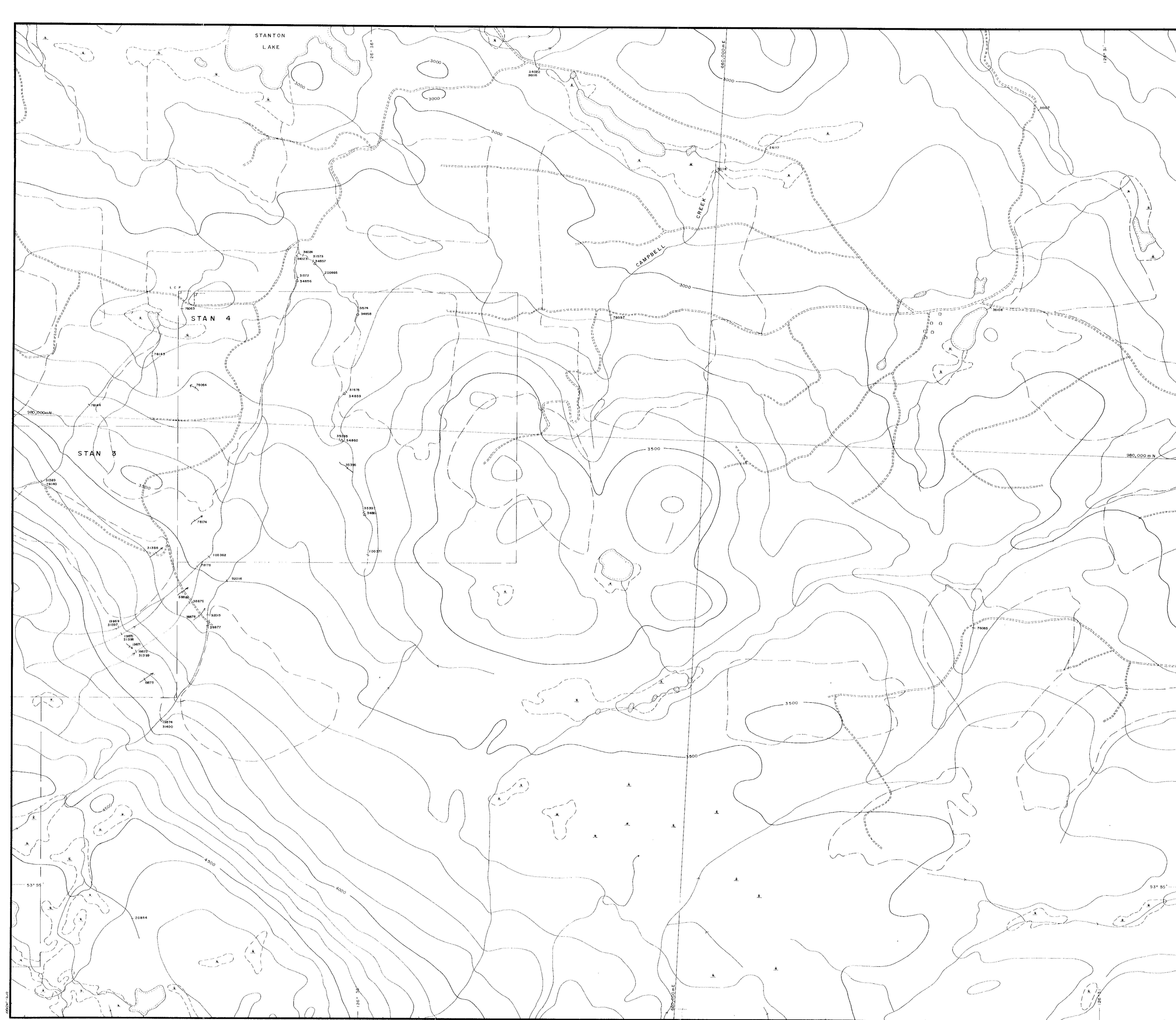
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Map Sheet Index

| | |
|---|---|
| 3 | 4 |
| 2 | 1 |

0 500 1000 metres
SCALE 1:10,000

| | | |
|---------------|-----------------------------|-------------------|
| REVISED | SHELFORD - WHITESAIL | |
| M.L. July, 89 | SOIL SAMPLE LOCATIONS | |
| PROJ. No. 255 | SURVEY BY: W.D., C.G., D.M. | DATE: Sept., 1988 |
| N.T.S. 95E/15 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 13 | OFFICE: PRINCE GEORGE, B.C. | |



SCALE 1:100,000

LEGEND

- Silt Sample Location
- Silt Sample Location (Heavy Mineral)
- Swamp Area
- Clear-cut Area
- Lake
- Logging Roads
- Claim post and claim boundary
- Biased flogged, cut line
- Gravel pit
- Quarry or rock pit

GEOLOGICAL BRANCH
ASSESSMENT REPORT

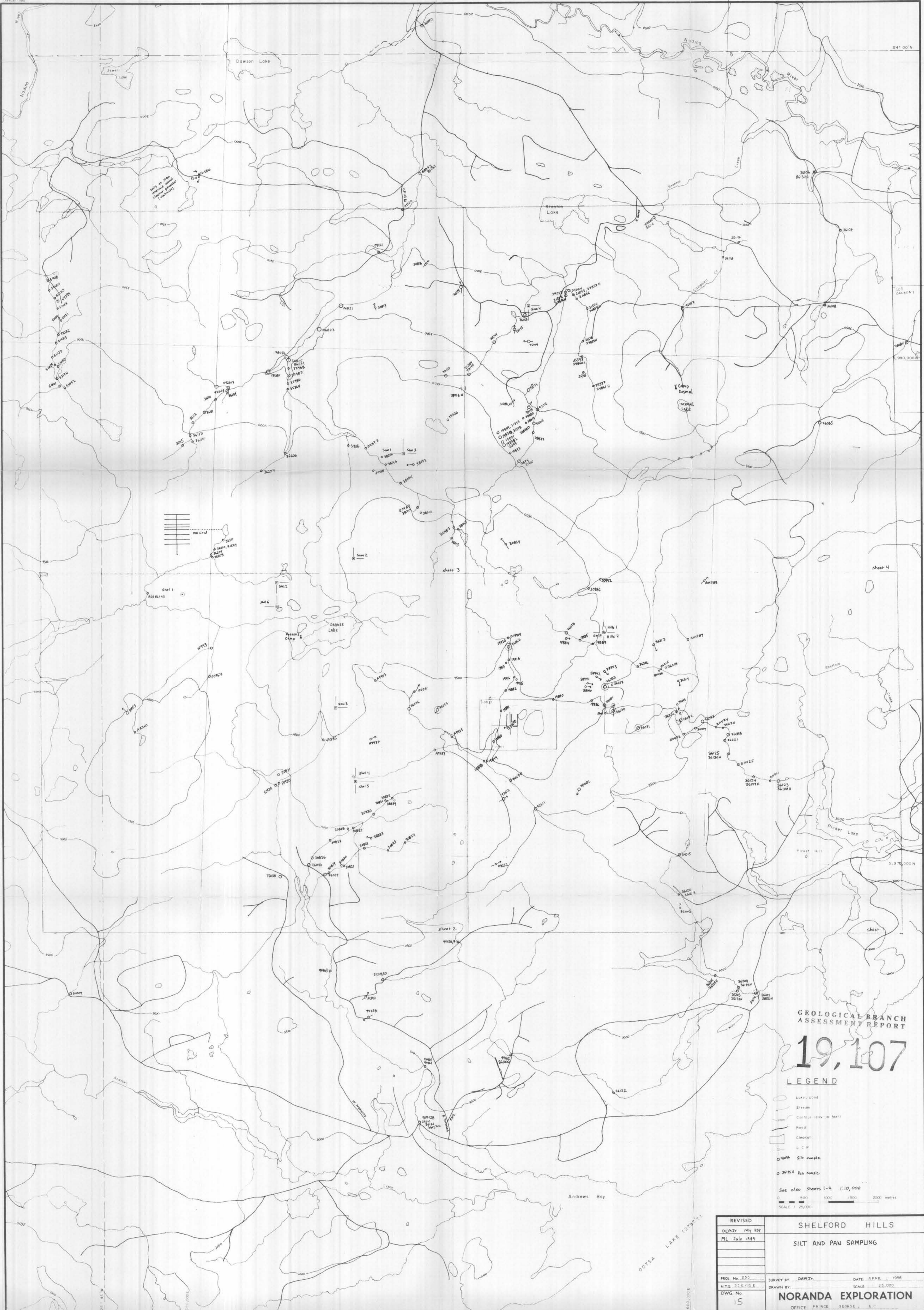
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Map Sheet Index

| | |
|---|---|
| 3 | 4 |
| 2 | 1 |

SCALE 1:10,000

| | | |
|---------------|----------------------------------|-------------------|
| REVISED | SHELFORD - WHITESAIL | |
| M.L. July, 89 | SILT AND PAN SAMPLE LOCATIONS | |
| PROJ. No. 255 | SURVEY BY: W.D., C.G., D.M. | DATE: Sept., 1988 |
| N.T.S. 316/19 | DRAWN BY: S.K.B. | SCALE: 1:10,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 14 | OFFICE: PRINCE GEORGE, B.C. | |



GEOLOGICAL BRANCH
ASSESSMENT REPORT

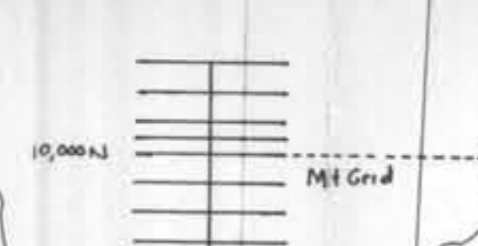
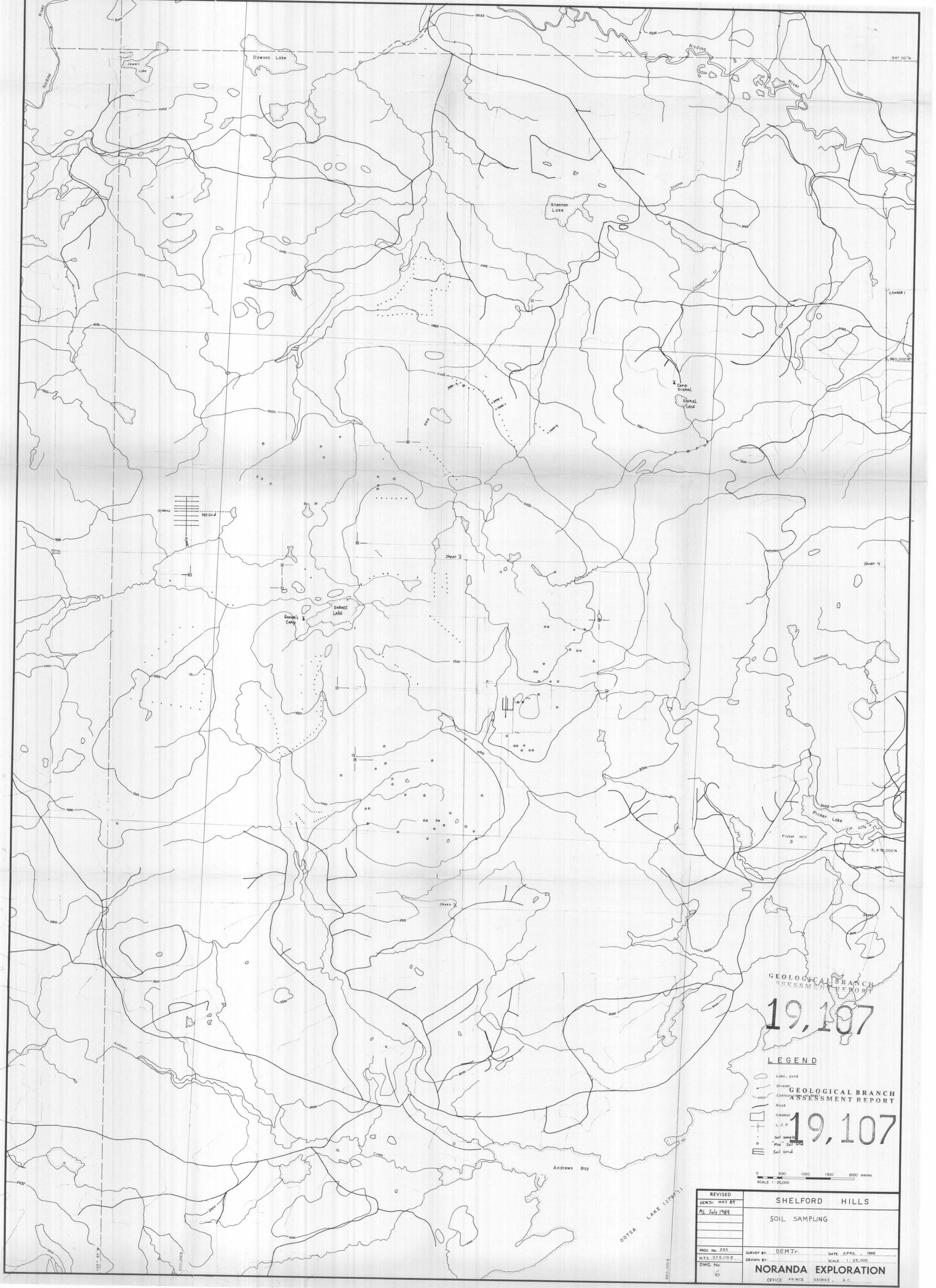
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LEGEND

- Lake, pond
- Stream
- Contour lines in feet
- Road
- Cleared
- L.C.P.
- Site sample
- Pan sample

See also sheets 1-4 (1:10,000)
 0 500 1000 1500 2000 metres
 SCALE 1:25,000

| | | |
|------------------|----------------------------|---------------------|
| REVISED | SHELFORD HILLS | |
| DEMTX May 1987 | SILT AND PAN SAMPLING | |
| ML July 1987 | | |
| PROJ. No. 255 | SURVEY BY: DEMTX | DATE: APRIL 1, 1988 |
| N.T.S. 37 E/15 E | DRAWN BY: | SCALE: 1:25,000 |
| DWG. No. 15 | NORANDA EXPLORATION | |
| | OFFICE PRINCE GEORGE, B.C. | |



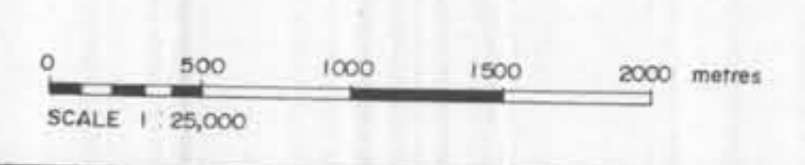
GEOLOGICAL BRANCH
ASSESSMENT REPORT

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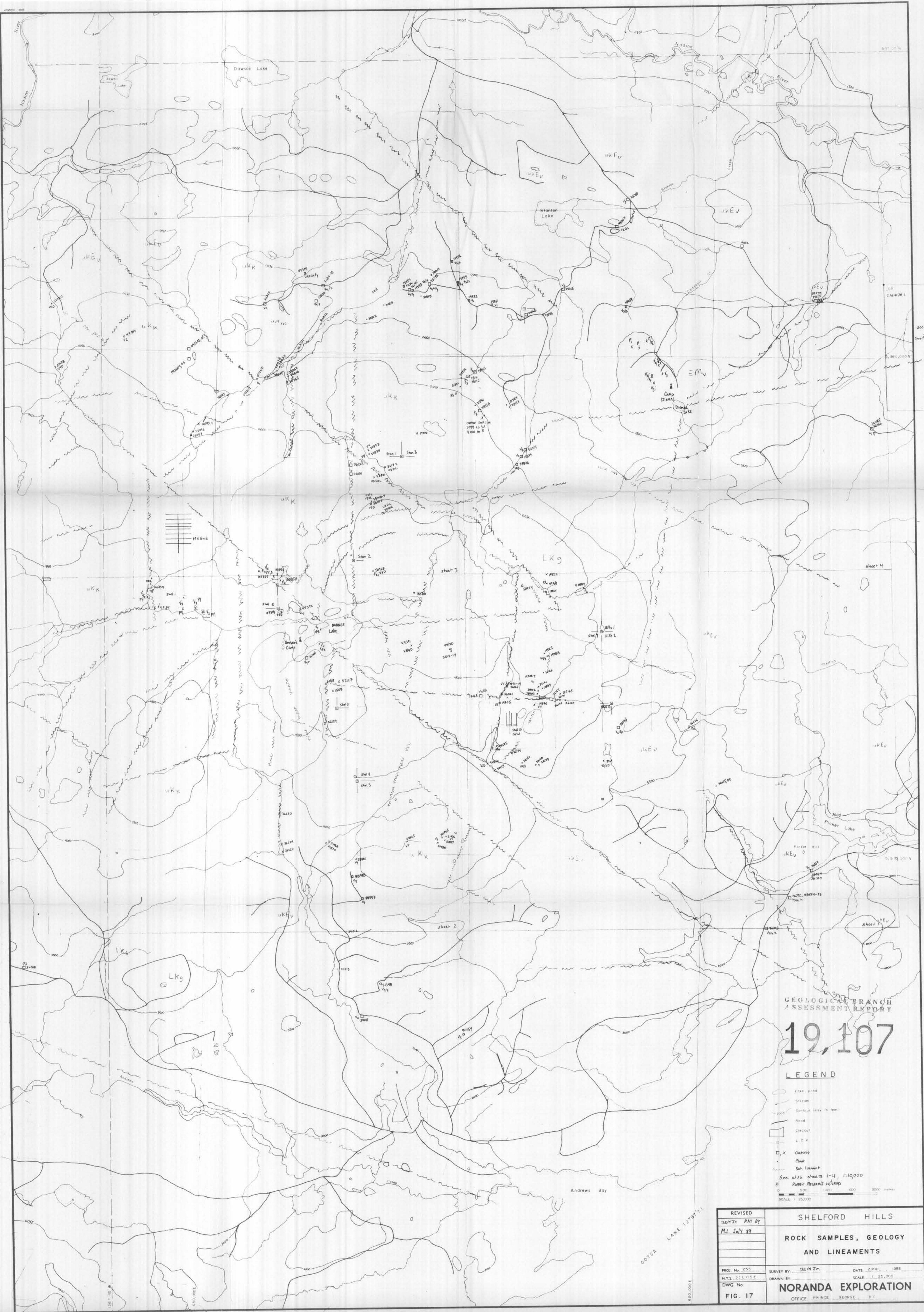
LEGEND

- Lake, pond
- Stream
- Contour
- Road
- Clearcut
- L.C.P.
- Soil sample "hu" soil grid
- Soil Grid

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| | | |
|----------------|-------------------------------|-------------------|
| REVISED | SHELFORD HILLS | |
| DEPT. MAY 87 | SOIL SAMPLING | |
| PL. July 1989 | | |
| PROJ. No. 255 | SURVEY BY: DEM J. | DATE: APRIL, 1988 |
| N.T.S. 22E/15E | SCALE: 1:25,000 | |
| DWG. No. | DRAWN BY: NORANDA EXPLORATION | |
| 6 | OFFICE: PRINCE GEORGE, B.C. | |



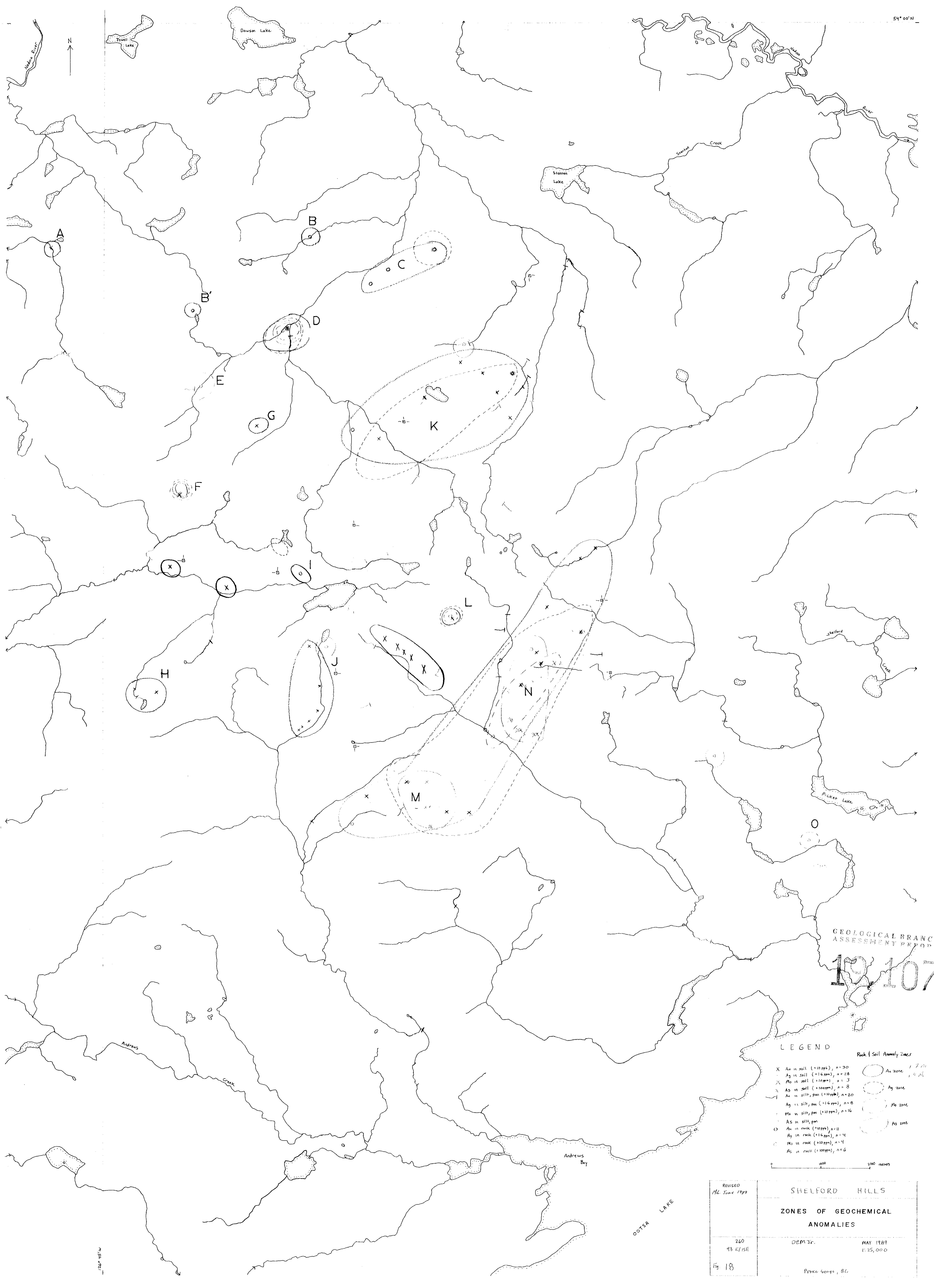
GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LEGEND

- Lake pond
 - Stream
 - Contour interval in feet
 - Road
 - Clearcut
 - L.C.P.
 - Outcrop
 - Plant
 - Salt location
- See also sheets 1-4, 1:10,000
 Russel, Phipps outcrop
 SCALE 1:25,000

| | | |
|---------------------------|---|------------------|
| REVISED DEM JR. MAY 89 | SHELFORD HILLS | |
| M.I. July 89 | ROCK SAMPLES, GEOLOGY AND LINEAMENTS | |
| PROJ. No. 255 | SURVEY BY: DEM JR. | DATE: APRIL 1988 |
| N.T.S. 31 E/15 E | DRAWN BY: | SCALE: 1:25,000 |
| DWG. No. | NORANDA EXPLORATION | |
| FIG. 17 | OFFICE: PRINCE GEORGE, B.C. | |



GEOLOGICAL BRANCH
ASSESSMENT PROGRAM
19/107

- LEGEND**
- Rock & Soil Anomaly Zones*
- X Au in soil ($100ppm$), n=30
 - X Ag in soil ($100ppm$), n=28
 - X Pb in soil ($100ppm$), n=3
 - X As in soil ($100ppm$), n=8
 - X Au in silt, pan ($100ppm$), n=20
 - X Ag in silt, pan ($100ppm$), n=8
 - X Pb in silt, pan ($100ppm$), n=16
 - X As in silt, pan
 - O Au in rock ($100ppm$), n=11
 - O Ag in rock ($100ppm$), n=4
 - O Pb in rock ($100ppm$), n=7
 - O As in rock ($100ppm$), n=6
- Soil Anomaly Zones*
- Au zone
 - Ag zone
 - Pb zone
 - As zone

0 100 200 meters

| | | |
|---------------------------|--------------------------------|----------------------|
| REVISED M.L. June 1989 | SHELFORD HILLS | |
| | ZONES OF GEOCHEMICAL ANOMALIES | |
| 260 43 E/15E | DEM 3r. | MAY 1989 1:25,000 |
| Fig 18 | Piper George, BC | |