GEOLOGY AND GEOCHEMISTRY

on the

TEXADA ISLAND PROPERTY

Nanaimo Mining Division

N.T.S. 92F/10E, 15E

Latitude 49° 41.5' to 49° 46.0'N
Longitude 124 30.5' to 124 34.5'W

UTM 388500 E, 5509000 N
(centre of property)

by

J.L. Hardy, M.Sc, F.G.A.C.

of

Nimbus Management Ltd.

for

Vananda Gold Ltd.

Vancouver, B.C. February, 1988

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1.0 INTRODUCTION

1.1 Location, Access and Topography

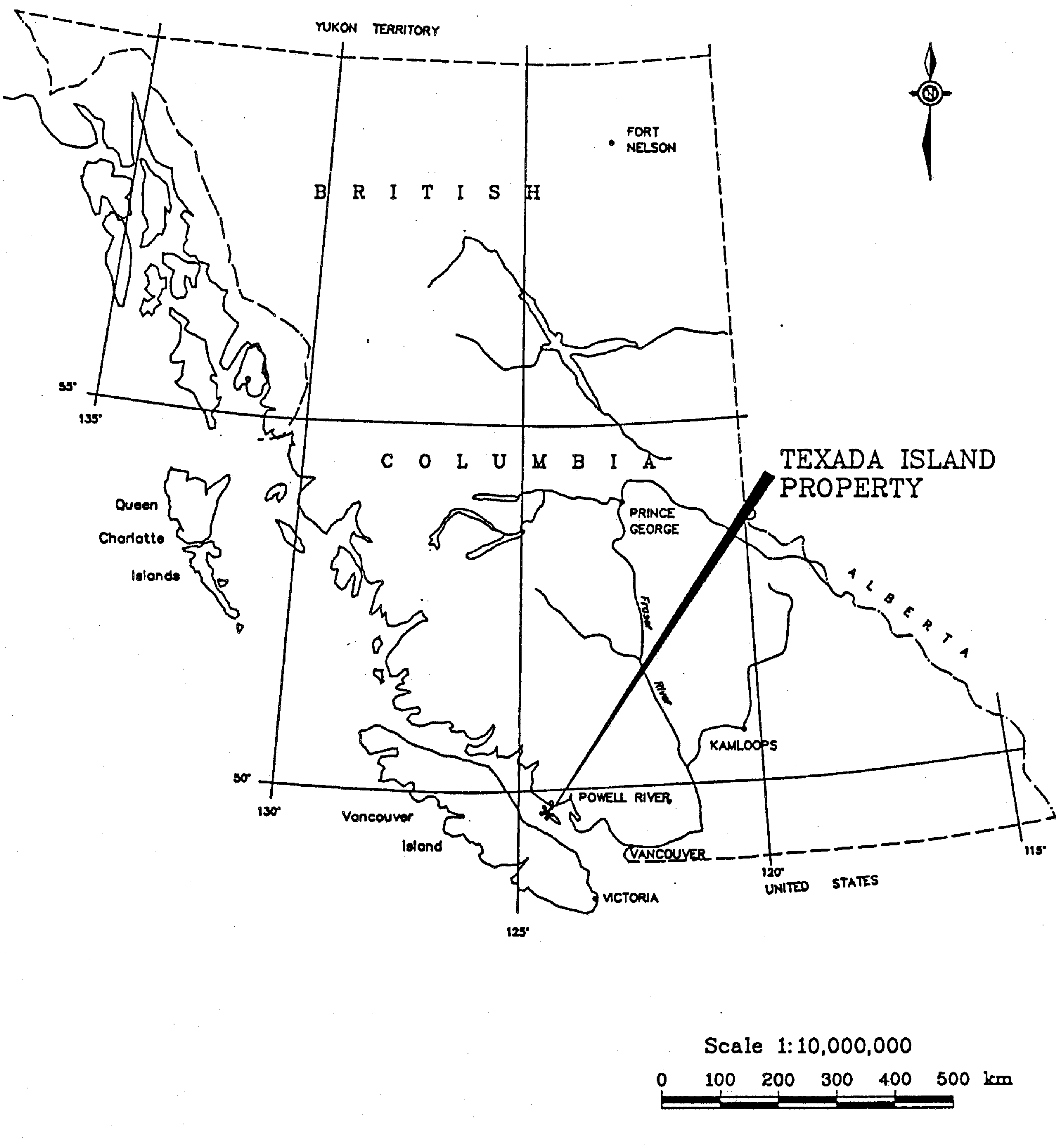
The TEXADA property is located between the villages of Vananda and Gillies Bay, on northern Texada Island, about 80 kilometres northwest of Vancouver (see Figure 1). Access is by highway and ferry to Powell River and then by ferry to Blubber Bay at the north end of the island. Scheduled flight service arrives at the airport at Gillies Bay. Numerous public and private roads provide ready access to most of the property.

Relief on the property is on the order of 250 metres. Forest cover is locally heavy, with considerable second growth. Much of the area of immediate interest lies within and adjacent to the settlement of Vananda, and has suffered some form of cultural disturbance.

1.2 Property Definition and History

The northern portion of Texada Island has been an important mining area, on an intermittent basis, since the late 19th century. The principal periods of activity were:between 1897 and 1919, during which time the gold-copper-silver skarn deposits at Vananda produced about 250,000 tonnes of high-grade ore; from 1948 to 1952, when one of these mines produced 58,000 tonnes of slightly lower grade ore; and from 1952 to 1976, when the large magnetite skarn deposits near Gillies Bay on the west side of the island produced some 10 million tonnes of iron concentrate with byproduct copper, gold and silver. The sites of all these former producers lie within the present Vananda Gold Ltd. property.

More recently apart from a few small programs there was little work in the Vananda Camp until 1970, when the latest phase of property assembly began. Serious ground work, consisting mostly of geophysics and diamond drilling, commenced in 1977, and has continued with some interruptions to the present.



(after Peatfield, 1987)

VANANDA GOLD LTD.		
TEXADA ISLAND PROPERTY NANAIMO, B.C.		
LOCATION MAP		
DATE: NOV. '86	N.T.S.: 92F/10E, 15E	FIGURE: 1
MINEQUEST EXPLORATION ASSOCIATES LTD.		

Geo-Comp Drawing File: VGT/LOC Nov. 24, 1986

Until the latest phase of work, commissioned by Vananda Gold Ltd., many of the programs were undertaken essentially in isolation, and results have not been compiled in any systematic way.

Prior to the start of the present program in May 1987, Vananda Gold completed: 1:2500 scale mapping of the Florence-Security area, establishment of control grids in strategic locations, collection of about 1300 soil samples of which about 490 were analyzed for Au and other elements. These results are detailed in Peatfield (1987).

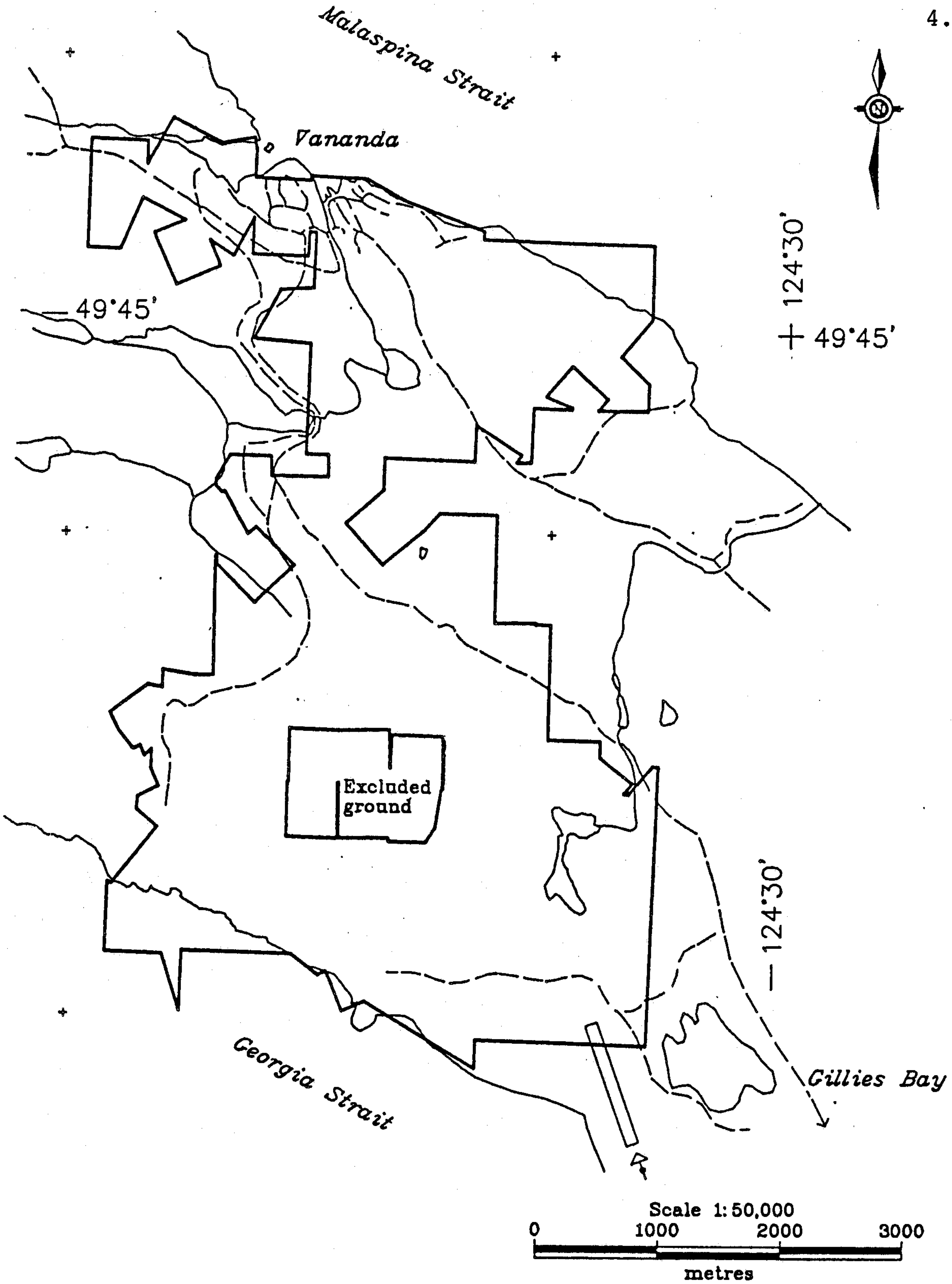
1.3 Property and Claim Status

Texada Island is one of the oldest mining camps in the Province, and the property situation is very complex. For some claims separate ownership exists for base and precious metals, and this is complicated further by the presence of the limestone quarries, which do not hold their tenure under the terms of the Mineral Act.

Vananda Gold Ltd.'s property holdings on Texada Island consist of three small mining leases, 31 Crown Granted Claims or Fractional Claims, and 89 located (two post or modified grid) mineral claims or fractional mineral claims. Figure 2 shows a rough outline of the property but it is not based on any comprehensive recent survey and does not show the location of individual claims. Appendix II is a listing of the present property holdings derived from data in the possession of Vananda Gold Ltd.

1.4 Summary of Present Program

The present program consisted of the following: detailed mapping at 1:500 and 1:1000 scale of old showings and workings in the area of Little Billie and Cornell Mines, analysis of about 900 soil samples previously collected, trenching with subsequent 1:1000 and 1:100 scale mapping in the Florence/Security area, S.P. surveying in selected areas and diamond drilling in the area of Florence shaft.



(after Peatfield, 1987)

VANANDA GOLD LTD.		
TEXADA ISLAND PROPERTY NANAIMO, B.C.		
PROPERTY OUTLINE		
DATE: NOV. '86	N.T.S.: 92F/10E, 15E	FIGURE: 2
MINEQUEST EXPLORATION ASSOCIATES LTD.		

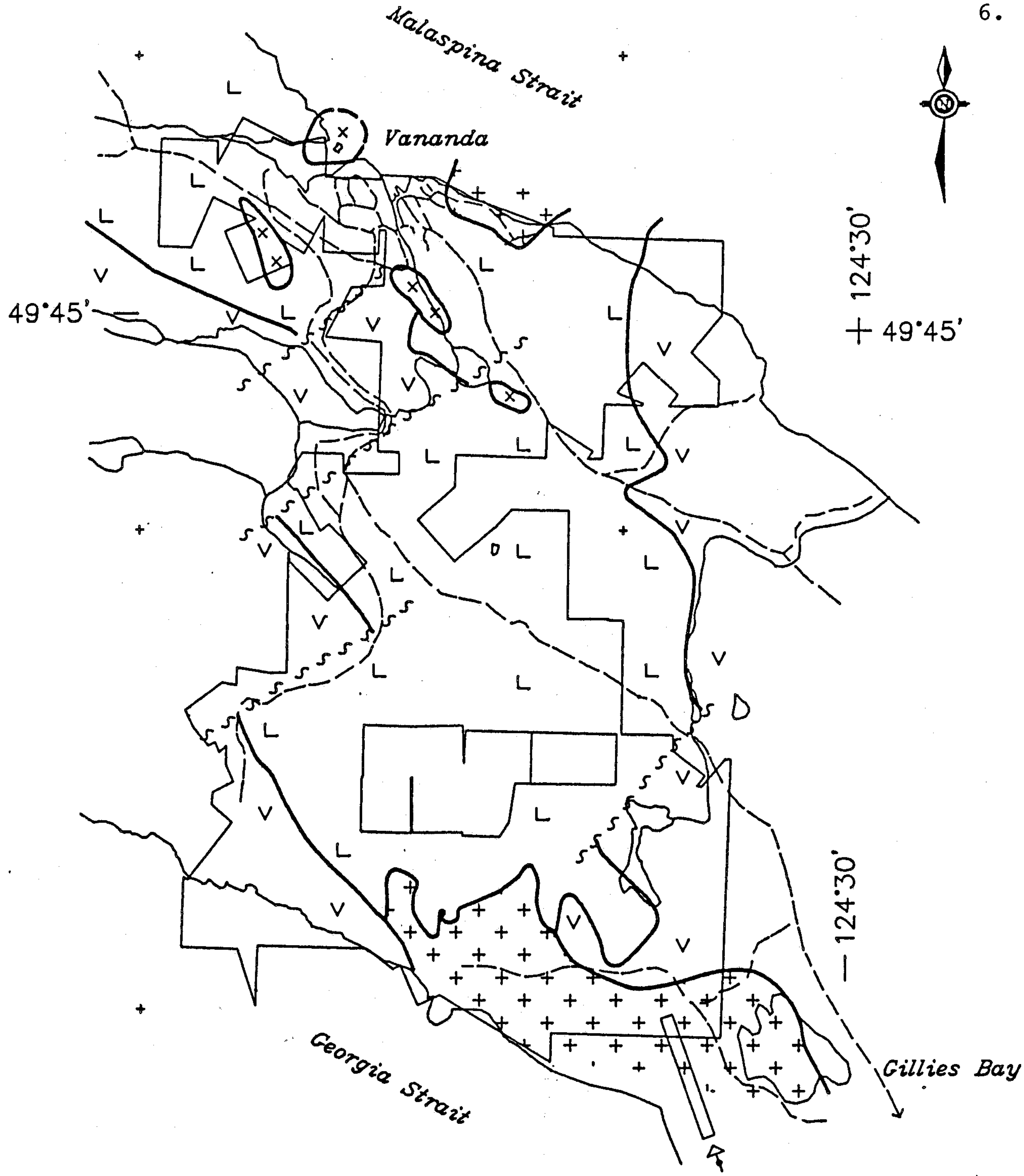
Geo-Comp Drawing File: VGT/PROP Nov. 24, 1986

2.0 GEOLOGY

2.1 Regional Geology

The regional geology of Texada Island has not been comprehensively studied since the work of McConnell (1914). Most generally, the Vananda Gold property is underlain by a succession of mid-Mesozoic volcanic and sedimentary strata (see Figure 3), which have been correlated with middle to upper Triassic Karmutsen Group andesites and basalts and overlying upper Triassic Quatsino Formation limestones (Muller 1977). The possibility that Jurassic Bonanza Group volcanic rocks are also present cannot be dismissed.

Both volcanics and sediments are cut by at least two types of intrusive rocks, thought to be of Mesozoic age. The more common, typified by the Gillies Lake Stock in the area of the Texada iron mines, is principally composed of quartz diorite and granodiorite. Near Vananda, closely associated with the gold-copper mines, are smaller bodies of diorite, diorite porphyry, and locally more basic intrusive rock. Numerous dykes, generally porphyritic, may be associated with either intrusive family. The limited studies as have been undertaken suggest that the intrusive rocks are Jurassic or older (Carson, et al., 1971).



(after Peatfield, 1987)

Scale 1:50,000

0 1000 2000 3000

metres

LEGEND

- + Quartz diorite
- × Diorite, gabbro
- L Quatsino limestone
- V Karmutsen volcanics
- ∽ Fault

VANANDA GOLD LTD.		
TEXADA ISLAND PROPERTY NANAIMO, B.C.		
PROPERTY GEOLOGY		
DATE: NOV. '86	N.T.S.: 92F/10E, 15E	FIGURE: 3
MINEQUEST EXPLORATION ASSOCIATES LTD.		

Geo-Comp Drawing File: VGT/GEO Nov. 25, 1986

2.2 ECONOMIC GEOLOGY

Since the late 1800's several types of deposits have been known on Texada Island. Apart from the limestone quarries, the most important mineralization lies within the Au-Ag-Cu skarn deposits of Vananda and the Fe-Cu skarns near Gillies Bay. Though the Vananda mines have produced generally smaller tonnages, unit values have generaly been much greater, and they are presently an attractive exploration target due to their precious metal values.

As summarized from Peatfield (1987), the Vananda gold-copper-silver deposits form narrow relatively short lenses with very substantial down-plunge projections. The larger individual shoots range to 4 x 25 x 150 metres, or about 60,000 tonnes. These lenses or shoots generally consist of bornite and chalcopyrite in a gangue of garnet, epidote, and diopside with lesser amounts of tremolite, wollastonite and other calc-silicate minerals. They are usually associated with local bleaching of the limestone to form "white rock" and most often lie wholly within the massive limestones. Free gold and native silver have been reported, and molybdenite is a widespread but minor constituent. Published reports by McConnell (1914) and Stevenson (1945), provide summaries based on detailed field work.

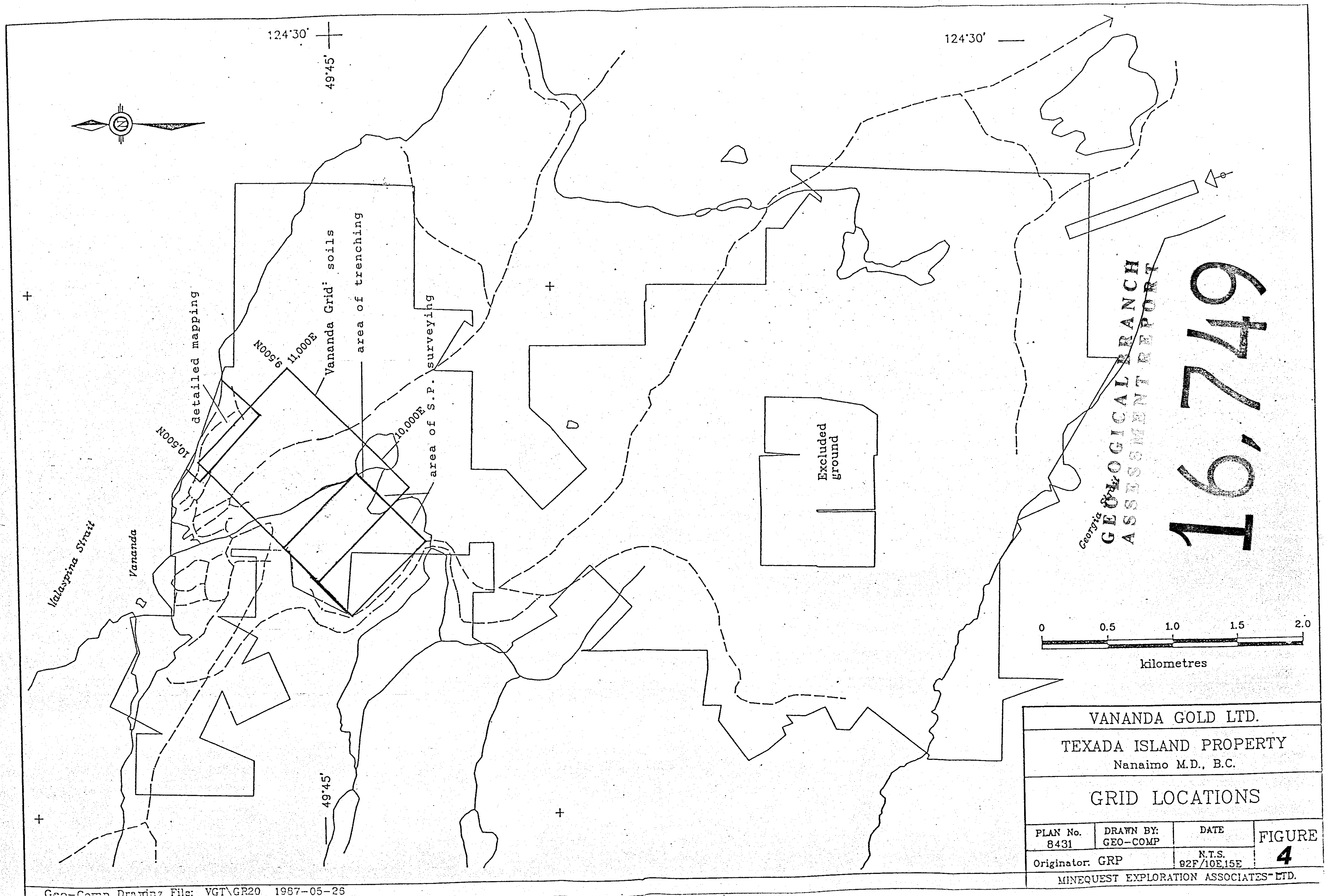
The Texada Iron deposits (see McConnell, 1914; Sangster, 1969; Meinert, 1984) are magnetite-chalcopyrite skarns located near the contacts of limestones, volcanics and quartz diorites. They commonly contain disseminated chalcopyrite, but a few lenses of high-grade copper mineralization, almost exclusively chalcopyrite, are often present.

Numerous showings of gold-silver mineralization in quartz or quartz-carbonate veins and shear-zones in volcanic rocks are present especially on the western side of the limestone belt. Some of these contain locally spectacular gold mineralization. Another occurrence of some considerable interest is the discovery on the Yew claims near Priest Lake, immediately west of the Vananda Gold Ltd. property. A flat-lying limy horizon, less than 50cm thick, within the western volcanic package, contains abundant pyrite, traces of chalcopyrite, and locally significant gold.

Many other mineral showings of various types, mostly copper-gold-silver and zinc or lead, are found in shears, veins and "replacements" on and adjacent to the Vananda Gold property. One of considerable interest consists of an apparently concordant zone within limestone in the Ideal Cement quarry toward the southern end of the property. Mineralization consists of irregular zones of granular semi-massive pyrite and sphalerite. Grab samples collected prior to the present program yielded values up to 6.1 g/t Au and 15.2 g/t Ag. There is a pronounced IP anomaly some distance downdip from the showing; the presumed source lies at no great depth and could easily be tested by a few short vertical drill holes. Native gold has been observed in polished section, as small blebs on pyrite grain boundaries, in association with Pb telluride (altaite?) and Ag telluride (hessite?) (Peatfield, 1987, P.7)

2.3 SIGNIFICANT EXPLORATION RESULTS

The Vananda Gold property has had a long and complex exploration history. Most recently Winter (1985) has summarized previous work and Peatfield (1987, p.10) has isolated significant results from the viewpoint of ongoing exploration:



VANANDA GOLD LTD.

TEXADA ISLAND PROPERTY

Nanaimo M.D., B.C.

GRID LOCATIONS

PLAN No. 8431	DRAWN BY: GEO-COMP	DATE	FIGURE 4
Originator: GRP		N.T.S. 92F/10E,15E	

MINEQUEST EXPLORATION ASSOCIATES LTD.

Geo-Comp Drawing File: VGT\GR20 1987-05-26

1) "In the 1920's numerous drill holes in the area of the Vananda mines, especially the Cornell, returned good intersections (Lakes, 1930), which have been only partially followed-up. The best reported intersection, near the Cornell, was 7 metres grading 14.7 g/tonne Au and 11% Cu. The precise location of these holes is not known.

2) Toward the end of the second phase of mining at the Little Billie, several underground holes tested the downward extension of the ore-bodies, with attractive intersections (McLean, 1956). One intersection, in a possible new zone, was 5 metres (core length) grading 8.5 g/tonne Au and 2.69% Cu.

3) In 1979, Shima Resources drilled several holes in a gravity anomaly southeast of the Little Billie, with some interesting results (Winter, 1985). The best intersection was 2 metres grading 3.5 g/tonne Au and 1.68% Cu, as part of a total intersection of 16 metres grading 1.4 g/tonne Au and 1.31% Cu.

4) In 1984, Cartier Resources drilled several holes near the Cornell, with discouraging results, and one hole below the lower workings of the Little Billie, which cut 2.65 metres grading 7.9 g/tonne Au, 29.8 g/tonne Ag, and 1.98% Cu."

3.0 PRESENT PROGRAM

The program described in this report was carried out intermittantly over the period May 1987 to February 1988, by a number of geologists and prospectors working independently. Much of this work is ongoing and the present compilation is of necessity still preliminary. The areas covered are shown at 1:50,000 scale in Figure 4.

3.1 Detailed Geological Mapping

The area around the Cornell, Little Billie gravity anomaly and Little Billie Mine was mapped by L. Lindinger, at 1:500, 1:500 and 1:1000 scales respectively. Mapping as yet is incomplete but the areas covered are shown at 1:5000 scale in Figure 5.

Most of the area is underlain by the Triassic (?) limestones and marbles of the Quatsino Formation. The contact with andesitic volcanic rocks of the Karmutsen Group, is not observed within the areas of detailed mapping. The limestones have been intruded by small stocks of basic intrusive rocks, generally diorite or gabbro, in the area of the Cornell Mine and the Florence and Security showings. In the northeast, near the Little Billie Mine, are numerous exposures of quartz diorite. In contact zones coarsely crystaline garnet-diopside skarn, often with pyrite and chalcopyrite has developed.

Typically the limestone is light grey, massive, relatively finely crystaline rock. Commonly adjacent to intrusive masses and near the old workings, the limestones have been recrystallized and bleached or whitened. These "marbles" appear to be the result of hydrothermal activity related to the intrusive rocks, and probably to the mineralizing events.

The limestones are cut by many steeply dipping dykes of generally basic aspect. For the most part, these are oriented a few degrees north of east, but a few strike very nearly north-south.

Some areas of bleaching or marble are not obviously spatially related to outcropping intrusive bodies, nor associated with copper skarn mineralization. These areas are prime targets for further exploration.

Prominent faulting is present with orientations of 90°, 130-135; a less obvious set is oriented at 150 . The lack of distinctive lithologic units or marker horizons makes displacements difficult to establish.

LITTLE BILLIE

Around the Little Billie, Lindinger mapped wollastonite (chlorite), garnet - diopside - actinolite, wollastonite - bornite, undifferentiated sulphide, massive magnetitite - chalcopyrite - pyrrhotite and copper (bornite, chalcopyrite) - pyrite-sphalerite-galena-pyrrhotite skarn types. Five types of dykes can be disinguished, sometimes with associated brecciation: diorite (gabbro), post-Vananda stock feldspar, porphyry, quartz diorite, pre-Vananda stock feldspar porphyry and alaskite. Crystal sizes are highly variable. Outcrops of Vananda quartz diorite, Quatsino Formation and Karmutsen Group volcanics are also present. Quatsino rocks can be divided into limestones, undifferentiated marbles, fine to medium crystalline marbles, bleached marbles and megacrystic (> 5mm) marbles. Bleaching is particularly common in the area south of the Little Billie.

CORNELL

In the area of the Cornell workings Lindinger identified four map units within the Quatsino Formation. Much of the workings is underlain by bleached marble, which is locally dolomitized crystal size is variable. Diorite, feldspar porphyritic diorite and porphyritic hornblende diorite dykes are present. Near the Cornell Shaft prominent E-W faults appear to be displaced by less continuous 130 - 135°/70-75° NE faults.

Both calc-silicate and sulphide skarns are present and often are associated with a diorite dyke stockwork or porphyritic diorite dyking. Disseminated pyrite is also found within some of the coarsely crystalline bleached marbles. Finer crystalline marbles tend to be present at greater distances from presently known workings and showings.

AREA OF LITTLE BILLIE SOUTH GRAVITY ANOMALY

Lindinger's mapping in the area of the Little Billie South gravity anomaly revealed marbles of various crystal sizes, commonly with considerable amounts of brecciation. Two directions of faulting oriented 90° and 135° do not appear to show on obvious relationship to this brecciation and breccias are not observed adjacent to the quartz diorite and feldspar porphyritic diorite dykes within the map area. In one area possible ankerite was noted. As the mapping was restricted in extent, it is difficult to draw conclusions about the origin of this breccia. Further work is proposed.

3.2 FLORENCE/SECURITY AREA: TRENCHING DETAILED MAPPING AND ROCK CHIP SAMPLING

The Florence-Security area was cleared and trenched in October to November of 1987 (see Figure 5). As shown in Figure 6, the trenched areas were mapped by S. Crawford at 1:500 and 1:100 scales; subsequently 176 rock chip samples were collected.

Samples were shipped to Acme Analytical Labs Ltd., 852 East Hastings Street, Vancouver V6A 1R6. For each a 31 element ICP analysis was completed and Au was analyzed by fire assay using a half assay ton sample. For the ICP after crushing a .500 gram sample was digested with 3-1-2 HCL-HNO3-H20 at 95 degrees Celsius for one hour and was diluted to 10ml with water. Sample descriptions with results are provided in Appendix I and complete analytical results are provided in Appendix III.

Figure 5 summarizes the 1:500 mapping completed to date; compilation of the 1:100 mapping is ongoing. Each sample is described by the prefix FS.87 to designate the year of collection with the following number denoting its location within a specific trench (eg. 87.1 lies within trench 1) and the final number indicating its order within the sampling program.

Crawford distinguished three geologic units: Jurassic diorite, Triassic Marble Bay (Quatsino) Formation marble and Triassic Texada Formation (Karmutsen Group) mafic volcanics. These are described in the legend. Three alteration types are present: garnet skarn, including garnet-pyroxene and garnet-pyroxene-epidote skarn; silicification with 2-20% pyrite and quartz veins and massive magnetite with pyrite, chalcopyrite and limonite boxwork.

Prominent faults are present with orientation of 115° and 150° though this appears to undulate slightly. Magnetite with pyrite, malachite and limonite boxworks appear to be developed along minor splays subparallel to the longer faults. However magnetite is also present where no faulting is recognized. Garnet skarn is particularly widespread in trenches 87.6 and 87.7. Prominent silicification associated with pyritization is developed within the diorite at its contact with the marble near 2+60N on both sides of the base line. Undulations in the diorite/limestone and diorite/volcanic contact, as well as faulting appear to have controlled skarn development.

3.3 VANANDA GRID: ANALYSIS OF SOIL SAMPLES PREVIOUSLY COLLECTED

Peatfield (1987) has described grid establishment and collection of phase II soil samples on the Vananda Grid (see Figure 7). The baseline is oriented at about 045°; lines are run at 100m intervals with stations at 25m spacing. Samples were not collected and lines not completed where cultural disturbances or interferences are present. A total of 628 samples was analyzed.

Sampling Procedure

B horizon was sampled where possible, but at some locations with thin soil cover, considerable C - horizon material was intermixed. Samples were placed in Kraft paper envelopes numbered with grid locations. Phase II sampling was completed in January and February 1987 by personnel experienced in this work.

Analytical Techniques

Soil samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, for preparation and analysis. There the samples were dried and sieved to minus-80 mesh. They were analyzed for Mo, Cu, Pb, Co, and As as follows: a .500 gram sample was digested with 3ml 3-1-2 HCl-HN03-H20 at 95 degrees Celsius for one hour and was diluted to 10ml with water. Gold analysis was be ignition at 600 C and hot aqua regia leach on a 10 gram sample, MIBK extraction and graphite furnace atomic absorption determination complete analytical results are in Appendix III.

These Au/Cu results are plotted in Figure 7. Statistical assessments have not yet been completed because all anomalies must still be prospected to eliminate any undetected cultural effects.

3.4 S.P. SURVEYING

The self-potential or spontaneous polarization (S.P.) method has been used with good success on Texada to detect gold deposits where some sulphides are present. Figure 4 outlines the general areas covered by the present program of S.P. surveying, shown in Figure 5 in more detail.

Use of S.P. involves measuring voltage potentials produced by electrochemical reactions which arise from differences in the oxidation capacity of waters near the upper and lower surfaces of source bodies. Sources can include pyrite, pyrrhotite, chalcopyrite, galena, graphite, pyrolusite, psilomelane, chalcocite, covellite, magnetite, anthracite coal or cultural artefacts. In this survey, S.P. measures are taken along lines spaced at 100m with 10m stations. One porous pot Cu-CuSO4 electrode of the voltmetre cable fixed at one corner of the grid and the other is moved to the various points on the grid; a 300m long cable was used. Voltage differences between the grid points and the fixed electrode are recorded. When the cable length is exhausted, a new base station is chosen and its potential with respect to the first base is determined by a few repeated observations or by measuring five or six convenient points from the old as well as the new base. A direct reading millivoltmeter - potentiometer is used to record potentials. Anomaly peaks are detected by placing the pot directly above the source and moving back and forth until maximum readings are obtained.

The program of S.P. surveying is ongoing and present results are too fragmentary to be meaningful, though strong differentials are recorded in areas of known mineralization.

3.5 DIAMOND DRILLING

A Boyles Brothers X-Ray diamond drill owned by Vananda Gold Ltd. has been mobilized to the Vananda property.

During the month of February a crew of two will have drilled approximately 200m of X-ray size core; to February 15, 1988, 25m has been completed in one hole, on a one shift per day basis. Work was intermittant as variable but sometimes very poor core recoveries necessitated experimenting with several different types of bits. The drill hole location is drawn in Figure 6. At present the first 10m of core is in Vananda's office in Vancouver, while the remainder is stored at the Vananda field office in Gillies Bay. When the hole reaches its expected 35-40m target depth, the core will be logged and due to its small diameter all of the core will be submitted for assay. This will also serve to minimize any nugget effects which may be present. Subsequent holes will lie within a variably spaced grid in the immediate Florence area.

4.0 DISCUSSION

Vananda Gold Ltd. has assembled a land package covering both the Texada iron mines and all of the significant gold-copper-silver mines (former producers) in the Vananda area. These latter deposits produced significant tonnages of good grade ore from elongate, steeply-plunging shoots of skarn mineralization with restricted cross-sectional area but very considerable (250 metres plus) vertical extent. Such shoots were very difficult to explore for, especially in the early days when most exploration was by sinking and drifting. Abundant potential remain for locating more such shoots, both adjacent to old workings and elsewhere.

Although the present program is ongoing, a review of past data and available results indicate that several significant exploration targets are found on the property. There would appear to be excellent potential for the discovery of additional Au-Cu-Ag ore bodies of skarn, vein and/or manto type.

Particular potential exists in the vicinity of old mines, especially below the lower levels of the Little Billie. Based on historical experience individual shoots have possibilities for good depth extent, tonnages up to 200,000 tonnes and grades of 5-12g/tonne Au, 20-100g/tonne Ag and 1.5-3.5% Cu (Peatfield 1987).

Further detailed mapping, prospecting and sampling should focus in areas of marbleization or bleaching using guidelines developed from the ongoing detailed mapping, sampling and diamond drilling at the Florence/Security area. The S.P. surveying will no doubt prove a valuable adjunct.

The efficacy of soil sampling in the Vananda grid area remains to be established pending ground truthing of existing anomalies to eliminate cultural disturbances. Further investigation should be carried out to establish whether other elements correlate with gold.

5.0 COST STATEMENT

1.	Geophysical surveys: including labour, rental of S.P. equipment, etc.	$ 5,000
2.	Geochemical Surveys: - Analysis of approximately 600 soil samples. Mo, Cu, Pb, Co, AS and MIBK Au	$19,900
	- Analysis approximately 200 rock chip samples 31 element ICP, Au by fire assay.	$ 9,300
3.	Diamond Drilling: projected to February 28, 1988 200m	$ 8,000
4.	Sampling and Assaying: (projected) analysis of drill core above plus labour for all above geochemical sample collection	$ 7,000
5.	Trenching: 800m X 15m	$84,000
6.	Other Exploration Costs: Vehicle rental and gasoline	$14,000
	Mapping, surveying	$ 8,000
	Accomodation	$ 5,000
		$ 160,200

6.0 STATEMENT OF QUALIFICATIONS

I, Jenna Hardy, of 535 East Tenth Street, North Vancouver, B.C. V7L 2E7, state that:

1. I am a geologist with address above, who graduated from the University of Toronto with a B.Sc. (Specialist in Geology) in 1974 and an M.Sc. in 1980.

2. I have practised my profession continuously since 1974 and have worked in the Cordillera since 1976.

3. I have been employed as a full-time project geologist by various companies in Vancouver since 1978.

4. I am a fellow of the Geological Association of Canada, with membership number F2640.

5. I personally reviewed all data in the hands of Vananda Gold Ltd.

6. I have no direct or indirect legal or financial interest in the Vananda Gold Ltd. property described in this report.

February 18, 1988

Jenna Hardy, M.Sc., F.G.A.C.

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APPENDIX I

Rock Chip Sample Descriptions,

Florence/Security Area

Table 1: FLORENCE/SECURITY AREA ROCK CHIP SAMPLES

* All Samples have prefix FS87

Sample/Assay Number	Description	Length (m)	Results Au oz/t	Ag ppm	Cu ppm
6102/1.5*		0.7	0.004	2.3	1,155
6103/1.6		1.2	0.003	0.9	278
6104/1.7		0.9	0.002	0.7	1,355
6105/1.8	cpy-rich	0.7	0.097	38.8	30,322
6106/1.9A	mt-py	1.2	0.004	2.0	811
6107/1.9B	mt-py-po-gt	1.0	0.006	2.0	573
6108/1.10	skarnified volcanics	1.6	0.004	0.7	296
6109/1.11	skarnified volcanics	1.0	0.003	0.3	62
6110/1.12A	skarn	1.1	0.002	0.3	110
6111/1.12B	skarn	1.0	0.004	0.9	371
6112/1.13A	vein 0.5 m E of mt. vein	Grab	0.004	1.8	1,118
6113/1.13B	mineralized skarn adjacent 13A	Grab	0.003	1.0	729
6114/1.14	rusty zone; sulphides, quartz, some epidote	Grab	0.011	23.2	19,268
6115/1.15	rusty zone in epidote skarn	Grab	0.002	9.1	6,890
6116/1.16	massive sulphide, minor quartz	Grab	0.004	22.7	23,516
6117/2.17	near massive sulphide W of Shaft #2	Grab	0.006	0.7	1,753
6118/2.18	near massive sulphide, some cpy	1.2	0.692	29.3	15,945
6119/1.19	epidote skarn with 10 cm vein	1.6	0.013	3.0	2,241
6120/1.20	silicified grey marble, minor py	0.6	0.005	0.6	226
6121/2.21	mineralized dyke	1.1	0.008	2.4	2,448
6122/2.22	nearly massive sulphide vein	0.9	0.019	2.8	4,195
6123/2.23A	cpy-rich shear	1.4	0.526	30.7	16,181
6124/2.23B	cpy-rich, mt	1.7	0.219	10.0	8,782
6125/3.24	marble contact with volcanic	0.7	0.071	0.3	225
6126/3.25	clay-like altered volcanic		0.003	0.2	353
6127/2.26	iron sulphide zone W side shaft	1.7	0.011	1.6	4,960
6128/2.27	downdip of skarn W of shaft	1.3	0.005	0.6	577
6129/2.28	2.6 m S of above, skarn	1.5	0.061	10.2	9,155
6130/3.29	5 cm deep channel in volcanics at marble contact	0.6	0.005	1.2	396
6131/2.30	continuation of 2.28	1.5	0.002	0.5	284
6132/4.31	sulphide vein	1.8	0.010	1.8	1,945
6133/4.32	vein W of above	0.7	0.004	0.8	1,288
6134/4.33A	vein material	1.6	0.017	2.3	4,190
6135/4.33B	continuation of above	1.3	0.006	0.9	877
6136/4.34A		1.25	0.004	0.6	1,523
6137/4.34B	cpy-rich zone	1.5	0.180	16.1	15,940
6138/4.34C	cpy-rich zone	1.5	0.002	24.4	21,258
6151/4.35A	skarn	2.6	0.002	0.4	174
6152/4.35B	skarn	1.7	0.001	0.4	78
6153/4.35C	skarn	1.7	0.001	0.5	45
6154/4.36	a large vein, sooty ?chalcocite	Grab	0.018	0.6	2,785
6155/5.37	skarn	2.1	0.002	0.3	179

Sample/Assay Number	Description	Length (m)	Au oz/t	Results Ag ppm	Cu ppm
6156/5.38A	in vein	1.8	0.010	1.3	957
6157/5.38B	in vein	2.5	0.039	4.6	2,492
6158/5.39	ferricrete	Grab	0.002	0.6	2,035
6159/5.40	massive sulphide on E side of ferricrete	Grab	0.018	2.3	4,288
6160/6.41A	skarn with epidote	2.5	0.005	0.6	177
6161/6.41B	copper stained skarn	2.3	0.018	1.8	1,213
6161/6.41C		2.5	0.017	1.2	451
6163/6.41D	skarn	2.2	0.005	1.0	230
6164/6.42A	garnet skarn	2.25	0.001	0.3	21
6165/6.42B	garnet skarn	2.8	0.001	0.5	27
6166/6.43A	garnet skarn	2.4	0.001	0.4	90
6167/6.43B	garnet skarn	2.7	0.001	0.5	48
6168/6.43C	garnet skarn some epidote	3.1	0.001	0.1	87
6169/6.43D	garnet-epidote	2.9	0.001	0.4	28
6170/5.44	purple marble	1.0	0.001	0.6	7
6171/5.45	contact of above with skarn	1.5	0.001	0.4	54
6172/6.46	altered intrusive with cpy, py	1.2	0.022	2.0	2,256
6173/6.47	as above	1.0	0.029	2.8	2,167
6174/6.48	marble contact	2.0	0.006	0.5	157
6175/7.49A	skarn	3.3	0.001	0.3	36
6176/7.49B	skarn	2.8	0.001	0.4	82
6177/7.49C	skarn with py	2.1	0.001	0.5	99
6178/7.49D	mt with marble	3.25	0.001	0.7	425
6179/9.50A	mt, cpy in garnet skarn	1.8	0.004	1.6	1,013
6180/9.50B	mt, cpy in epidote-garnet skarn	2.0	0.006	4.8	6,063
6181/9.51A	mt, cpy in garnet-epidote skarn	2.1	0.002	0.8	313
6182/9.51B	as above	2.1	0.001	0.8	307
6183/9.52	po, py in skarn	1.25	0.001	1.5	641
6184/9.53A	massive mt	1.35	0.002	0.8	104
6185/9.53B	near massive mt, minor cpy	1.5	0.021	4.0	3,171
6186/9.54	mt + py in altered diorite(?)	1.6	0.001	0.7	102
6187/10.55A	rusty skarnified volcanics	2.0	0.001	0.8	280
6188/10.55B	as above	2.15	0.001	0.3	261
6189/10.56	as above	2.0	0.001	1.5	2,061
6190/10.57	skarn with cpy	2.1	0.001	3.1	6,333
6191/10.58A	as above	2.2	0.001	0.9	3,093
6192/10.58B	skarn	2.65	0.001	1.0	481
6193/10.58C	skarn	2.75	0.001	0.7	349
6194/10.59A	rusty skarnified volcanics	2.0	0.001	0.6	188
6195/10.59B	as above	1.9	0.010	0.8	192
6196/10.60A	skarn contact with marble, mt, cpy	2.0	0.001	1.7	1,764
6197/10.60B	rusty skarnified volcanics	2.05	0.002	1.5	536
6198/10.60C	rusty skarnified volcanics	1.95	0.006	2.1	1,007
6199/10.60D	as above	2.0	0.012	1.0	392
6319/10.61A	skarn	1.7	0.001	0.5	1,641
6320/10.61B	rusty skarnified volcanics	1.7	0.001	0.2	522

Sample/Assay Number	Description	Length (m)	Results Au oz/t	Ag ppm	Cu ppm
6321/10.62	as above	2.7	0.001	0.1	485
6322/10.63	rusty skarnified volcanics	2.3	0.001	0.1	520
6251/1.64	resample FS87.1.14: rusty skarn from which gold panned	0.8	0.001	5.1	4,953
6252/1.65A	as above resample 87.1.15	1.3	0.005	4.4	4,677
6253/1.65B	resample 87.1.16	1.0	0.020	3.9	2,576
6254/1.66A	vein S of shaft: py, mt, cpy	1.55	0.042	5.5	10,566
6255/1.66B	as above	1.75	0.032	5.3	10,458
6298/8.67A	skarn below marble in trench 2, going south	2.75	0.003	0.3	1,122
6299/8.67B	as above but contacts marble	2.7	0.008	1.5	505
6317/9.68	skarn	1.65	0.001	0.1	25
6318/9.69	skarn	2.0	0.001	0.1	33
6300/8.70	skarnified volcanics	2.3	0.002	0.1	505
6301/8.71	as above	2.7	0.003	0.2	653
6302/8.72	as above	2.4	0.001	0.1	345
6303/8.73	skarnified volcanics	2.25	0.001	0.1	370
6304/8.74	as above	2.35	0.001	0.1	329
6305/8.75	as above	2.15	0.004	0.5	799
6306/8.76	skarn	2.2	0.001	0.1	351
6307/8.77	skarn/marble contact with Cu stain	2.5	0.002	2.2	1,298
6308/8.78	rusty zone with 7.5 cm quartz vein	1.4	0.001	0.4	315
6309/8.79	vertical sample rusty volcanics	1.5	0.001	0.1	192
6310/8.80	limy clay gouge below rusty volcanics	2.5	0.001	0.1	112
6311/8.81	limy sheared volcanics	2.4	0.001	0.1	75
6312/8.82	rusty skarnified volcanics	2.2	0.001	0.1	195
6313/8.83	as above	2.3	0.001	0.1	93
6314/8.84	rusty skarnified volcanics	2.15	0.001	0.1	68
6315/8.85	as above	2.15	0.001	0.1	48
6316/8.86	as above	2.1	0.001	0.1	44
6323/11.87	sheared volcanic between marble	1.0	0.001	0.2	140
6324/11.88	vertical sample of marble	1.0	0.001	0.1	40
6325/11.89	garnet skarn minor cpy	1.5	0.001	0.1	16
6326/11.90	garnet skarn	1.2	0.001	0.1	16
6327/11.91	skarn, minor cpy	1.7	0.003	0.3	496
6328/11.92	skarn and marble, minor cpy	1.8	0.004	0.3	570
6329/11.93	sheared skarnified volcanics under marble	1.8	0.004	0.1	60
6330/11.94	rusty volcanics	1.8	0.001	0.4	149
6331/12.95	marble contact near ferricrete	1.3	0.004	0.4	124
6332/12.96	some py	2.5	0.001	0.2	203
6290/6.97	hornfels at intrusive contact	1.2	0.001	0.1	77
6291/6.98	vertical sample 3 m S FS87.6.41D	1.2	0.003	0.1	275
6292/6.99	rusty sheared volcanic	1.6	0.001	0.1	56
6284/5.100	rusty volcanic	1.5	0.001	0.1	47
6285/5.101	sheared volcanic	1.0	0.006	0.4	505
6286/5.102	vein material	1.0	0.015	1.8	1,696
6278/5.103	vertical sample in marble at volcanic contact	1.2	0.001	0.1	2

Sample/Assay Number	Description	Length (m)	Au oz/t	Results Ag ppm	Cu ppm
6288/5.104	vertical sample in andesite	0.9	0.001	0.1	117
6272/4.105	skarn	1.15	0.022	0.1	79
6273/4.106	skarn	2.1	0.001	0.1	54
6274/4.107	skarn	1.45	0.001	0.1	79
6289/5.108	marble contact	1.35	0.001	0.1	198
6275/4.109	skarn	2.4	0.002	0.4	379
6276/4.11D	marble	1.2	0.001	0.2	15
6277/4.111	skarn	1.55	0.005	0.5	632
6278/4.112	py, marble contact	1.25	0.021	2.8	4,280
6279/4.113	as above	2.9	0.007	1.6	2,588
6280/4.114	altered marble	1.0	0.001	0.1	116
6281/4.115	sheared skarn	1.5	0.004	0.3	323
6282/4.116	marble	1.1	0.001	0.1	68
6283/4.117	pyrite, marble contact with Cu stain	1.8	0.006	2.0	1,024
6256/2.118	marble, skarn, some cpy	0.9	0.062	8.8	5,732
6257/2.119	mt, cpy in skarn	0.9	0.243	23.6	18,242
6258/2.120	as above	1.1	0.022	5.3	4,430
6259/2.121	marble with skarn inclusions, Cu stain	1.5	0.001	2.3	3,152
6260/2.122	marble	1.1	0.001	0.5	87
6261/2.123	marble with 10 cm quartz vein, Cu stain	1.3	0.002	0.3	623
6262/2.124	marble, py, Cu stain, quartz	1.15	0.003	0.7	2,336
6263/2.125	as above	1.2	0.002	0.5	1,497
6264/2.126	skarn/marble contact	2.4	0.003	0.3	1,105
6265/2.27	skarn, some mt, cpy	1.6	0.022	2.9	2,297
6266/2.128	skarnified sheared marble	1.7	0.001	0.3	356
6267/2.129	marble/skarn contact	1.5	0.003	0.3	445
6268/2.130	skarn	2.2	0.001	0.1	63
6269/2.131	skarn	1.2	0.001	0.1	82
6270/2.132	skarn/marble contact	1.2	0.002	0.1	409
6271/3.133	rusty volcanics	1.2	0.001	0.1	164
6295/7.134	skarn in edge of shaft	0.8	0.236	65.7	69,215
6296/7.135	as above	1.2	0.025	4.2	2,665
6297/7.136	as above	1.0	0.510	84.3	55,020
6293/6.137	top of trench in skarn	1.2	0.001	0.1	44
6294/6.138	as above	0.7	0.001	0.1	18
6333/2.139	silicified diorite	0.8	0.006	0.1	7

APPENDIX II

Property Holdings

APPENDIX II (Continued)

Name	Record #	Anniversary Date	Expiry Year
Ann	17440	July 21	1996
Ann Fr.	17441	July 21	1996
True Fr.	17554	November 2	1991
IC No. 1	17608	February 1	1996
IC No. 2	17609	February 1	1997
IC No. 3	17610	February 1	1997
IC No. 4	17611	February 1	1997
I.C. No. 11	18126	August 18	1990
I.C. No. 12	18127	August 18	1990
I.C. No. 13	18128	August 18	1990
I.C. No. 14	18129	August 18	1990
I.C. No. 15	18130	August 18	1990
I.C. No. 16	18131	August 18	1990
MARBLE BAY FRACTION No. 2*	34423	October 6	1987
STURT BAY NO. 1	34424	October 12	1995
STURT BAY NO. 2	34425	October 12	1995
VAL Fr	37436	March 4	1987
NOEX Fr	37437	March 4	1987
Basic #1 Fr.	37646	July 26	1991
Basic #2	37647	July 26	1991
Basic #3	37648	July 26	1991
Basic #4 Fr.	37649	July 26	1991
Basic #5	37650	July 26	1991
Basic #6 Fr.	37651	July 26	1991
Basic #7	37652	July 26	1991
Basic #8	37653	July 26	1991
Basic #9	37654	July 26	1991
Basic #11	37655	July 26	1991
Basic #12	37656	July 26	1991
Basic #13	37657	July 26	1991
Basic #15	37658	July 26	1991
Basic #16 Fr.	37659	July 26	1991
Basic #19 Fr.	37661	July 26	1991
Basic #20 Fr.	37662	July 26	1991
Basic #23 Fr.	37663	July 26	1991
Basic #24 Fr.	37664	July 26	1991
IDEAL 10	37787	September 20	1995
IDEAL 14	37788	September 20	1995
IDEAL 17 Fr.	37789	September 20	1995
IDEAL 18 Fr.	37790	September 20	1995
IDEAL 21 Fr.	37791	September 20	1995
IDEAL 22 Fr.	37792	September 20	1995
IDEAL 26 Fr.	37793	September 20	1995

* base metal rights only

APPENDIX II (Continued)

Name	Record #	Anniversary Date	Expiry Year
BASIC 29 Fr.	515	January 23	1996
Brownie No. 1 Fr.	1071	February 10	1997
Brownie #2 Fr.	1072	February 10	1997
Brownie #3 Fr.	1147	April 16	1992
B-40878	13297	June 17	1990
B 40879	13298	June 17	1990
B 40882	13301	June 17	1990
B 40884	13302	June 17	1990
B 40886	13305	June 17	1990
B 40887	13306	June 17	1990
B 40888	13307	June 17	1990
B 40889	13308	June 17	1990
B. 41066	13315	June 24	1993
B. 40900	13316	June 24	1993
B. 40894	13322	June 24	1990
Lime	13933	July 13	1990
Lime No. 1 Fr.	13934	July 13	1990
T.M.L. No. 3	14306	May 15	1987
Lime No. 10 Fr.	14518	June 13	1990
Lime No. 11 Fr.	14519	June 13	1990
Lime No. 12 Fr.	14524	July 14	1990
Lime No. 13 Fr.	14585	November 24	1995
Lime 14	14586	November 24	1995
Lime 15 Fr	14587	November 24	1995
Lime 16 Fr	14588	November 24	1995
T M L #6 Fr	15326	April 17	1987
T.M.L. #7 Fr.	15596	January 17	1996
T.M.L. #8 Fr.	15597	January 17	1996
T.M.L. #9 Fr.	15598	January 17	1996
T.M.L. #10 Fr.	15599	January 17	1996
T.M.L. #11	15600	January 17	1996
T.M.L. #12 Fr.	15601	January 17	1996
T.M.L. #13	15602	January 17	1996
T.M.L. #14	15603	January 17	1996
T.M.L. #15 Fr.	15604	January 17	1996
TML 36	16124	December 6	1995
TML 37	16125	December 6	1996
TML 38	16126	December 6	1996
TML 39	16127	December 6	1996
TML 40	16128	December 6	1996
T.M.L. #41 Fr	16129	December 6	1996
T.M.L. #42 Fr	16130	December 6	1996
T.M.L. #43 Fr	16131	December 6	1996
Lime #18	17284	May 7	1995
Lime #20	17286	May 14	1995

APPENDIX II

Property Holdings

Name	Record #	Anniversary Date	Comments
Cinnabar	M1	-	Mining Lease
Alladin	M10	-	Mining Lease
VanAnda	M15	-	Mining Lease
Copper Queen	L40	-	CG
Eastgate	L53	-	CG
Lucky Jack	L79	-	CG
Volunteer	L131	-	CG
Europe	L133	-	CG
Great Copper Chief	L134	-	CG
Toothpick FR	L140	-	CG
Marble Bay	L154	-	CG
Cameron	L182	-	CG
Cornell	L201	-	CG
Goodall FR	L234	-	CG
Leroi	L264	-	CG
Boulder Nest	L265	-	CG
Jack North	L266	-	CG
Yellow Kid	L267	-	CG
L.M.C.	L268	-	CG
McLeod #3	L515	-	CG
McLeod #4	L516	-	CG
McLeod #5	L517	-	CG
McLeod #6	L518	-	CG
McLeod #7	L519	-	CG
McLeod #8	L520	-	CG
McLeod #1	L521	-	CG
McLeod #2 FR	L522	-	CG
Lap #1 FR	L523	-	CG
Lap #2 FR	L524	-	CG
Lap #3 FR	L525	-	CG
Lap #4 FR	L526	-	CG
Lap #5	L527	-	CG
Lap #6	L528	-	CG
Lap #8	L530	-	CG partial ownership

APPENDIX III

Analytical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL/ASSAY 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 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: Rock Chips AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: NOV 13 1987 DATE REPORT MAILED: Nov 30/87 ASSAYER. D. Toye. .DEAN TOYE, CERTIFIED B.C. ASSAYER

VANANDA GOLD File # 87-5763 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM	AU** OZ/T
P 6251	9	4953	8	79	5.1	21	97	1027	9.74	47	5	ND	1	45	1	2	2	44	4.08	.064	2	37	.27	24	.13	4	.95	.05	.05	4	.001
P 6252	4	4677	6	72	4.4	15	76	724	4.46	31	5	ND	1	100	1	2	2	52	2.32	.091	3	25	.47	20	.21	5	1.37	.12	.06	1	.005
P 6253	3	2576	9	69	3.9	37	104	419	11.17	39	5	ND	1	38	1	2	3	57	1.21	.039	2	53	.32	7	.19	2	.67	.04	.03	3	.020
P 6254	1	10566	9	75	5.5	15	211	876	30.47	74	5	ND	1	5	1	2	2	19	4.39	.033	2	6	.19	4	.03	5	.43	.02	.04	10	.042
P 6255	1	10458	13	103	5.3	9	299	762	34.54	49	5	ND	1	1	1	2	2	14	4.25	.017	2	4	.05	2	.01	7	.17	.01	.03	18	.032
P 6256	1	5732	3	100	8.8	7	24	927	12.35	143	5	ND	1	134	2	2	2	5	20.59	.005	2	3	.21	4	.01	2	.18	.01	.01	70	.062
P 6257	2	18242	14	217	23.6	19	110	1129	25.89	178	5	7	1	3	3	2	2	10	10.38	.001	3	3	.15	5	.01	2	.26	.01	.03	98	.243
P 6258	1	4430	12	480	5.3	7	35	1156	16.01	73	5	ND	1	60	6	2	2	26	12.08	.019	3	10	1.08	26	.04	2	1.08	.06	.11	19	.022
P 6259	1	3152	3	459	2.3	3	5	685	5.42	35	5	ND	1	155	12	2	2	4	26.96	.010	2	2	.44	2	.01	2	.29	.01	.01	34	.001
P 6260	1	87	4	332	.5	1	1	845	.54	6	10	ND	1	417	11	4	7	1	34.42	.004	2	1	.73	10	.01	2	.04	.01	.03	1	.001
P 6261	12	623	5	17163	.3	1	4	1558	2.09	37	7	ND	1	372	191	2	4	1	25.37	.003	2	1	.69	19	.01	2	.14	.01	.03	1	.002
P 6262	4	2336	3	6115	.7	1	6	965	4.85	27	5	ND	1	235	71	2	3	1	21.22	.007	2	1	.42	5	.01	2	.21	.01	.01	1	.003
P 6263	3	1497	5	3927	.5	2	10	1471	4.24	44	5	ND	1	170	49	2	2	2	14.06	.009	2	3	.35	5	.01	2	.35	.01	.01	1	.002
P 6264	1	1105	10	826	.3	13	15	710	2.80	43	5	ND	1	158	15	2	2	9	20.86	.003	4	11	2.55	3	.08	20	1.91	.01	.01	1	.003
P 6265	1	2297	10	413	2.9	8	32	952	7.45	50	5	2	1	48	5	2	4	28	3.42	.029	4	8	.98	21	.07	2	1.42	.07	.03	2	.022
P 6266	2	356	7	2832	.3	4	6	1178	1.97	23	5	ND	1	274	46	3	2	28	24.84	.035	4	1	1.53	21	.04	4	1.19	.01	.05	1	.001
P 6267	1	445	2	405	.3	4	10	833	4.73	69	5	ND	1	77	6	2	2	26	15.98	.025	2	5	2.02	43	.05	2	1.46	.02	.07	11	.003
P 6268	1	63	5	101	.1	7	7	620	2.24	28	6	ND	1	78	1	3	2	56	3.96	.076	4	6	1.58	7	.13	3	1.89	.03	.03	1	.001
P 6269	1	82	4	54	.1	7	5	561	1.84	20	5	ND	1	85	1	2	4	62	3.64	.091	4	6	1.00	19	.14	4	1.72	.02	.03	1	.001
P 6270	2	409	8	3326	.1	3	6	967	1.96	19	5	ND	1	161	26	3	2	25	8.12	.044	3	4	1.15	53	.08	3	1.58	.05	.03	1	.002
P 6271	1	164	3	266	.1	2	5	564	2.33	7	5	ND	1	56	3	5	5	46	.79	.036	3	5	1.59	72	.09	2	2.29	.10	.40	1	.001
P 6272	1	79	8	174	.1	5	12	794	3.01	12	5	2	1	71	1	2	2	27	4.59	.013	2	4	4.78	195	.11	2	3.32	.11	.27	1	.022
P 6273	1	54	10	281	.1	6	9	648	2.33	13	5	ND	1	139	1	2	2	23	3.76	.016	2	3	3.60	305	.12	7	3.89	.21	.42	1	.001
P 6274	1	79	12	269	.1	4	5	482	1.77	15	5	ND	1	160	3	3	2	53	2.47	.100	4	2	1.24	51	.15	3	2.16	.04	.10	1	.001
P 6275	3	379	7	559	.4	2	9	1598	5.62	22	5	ND	1	6	2	2	2	19	6.58	.013	2	2	.53	9	.02	2	1.05	.01	.01	6	.002
P 6276	1	15	5	57	.2	2	1	247	.25	2	5	ND	1	198	1	2	5	1	26.66	.002	2	1	2.08	2	.01	5	.04	.01	.01	1	.001
P 6277	51	632	5	135	.5	1	9	1173	3.72	66	5	ND	1	72	2	2	3	39	4.92	.077	4	1	.95	48	.06	2	1.88	.03	.08	1	.005
P 6278	7	4280	10	10740	2.8	7	20	1156	8.41	136	5	ND	1	67	99	2	2	34	6.53	.039	2	11	2.79	34	.08	2	2.82	.17	.22	1	.021
P 6279	9	2588	4	12658	1.6	4	8	275	11.34	441	5	ND	1	64	146	2	2	24	5.75	.011	2	4	1.02	8	.03	2	.84	.01	.03	1	.007
P 6280	1	116	6	1218	.1	10	8	388	2.65	16	5	ND	1	108	28	2	2	17	8.84	.007	2	16	7.02	2	.05	13	2.47	.01	.01	1	.001
P 6281	1	323	8	206	.3	9	15	890	2.95	31	6	ND	1	71	2	2	2	64	4.02	.054	4	13	3.01	31	.15	8	3.43	.11	.17	1	.004
P 6282	1	68	2	118	.1	1	2	987	1.49	7	7	ND	1	399	2	2	3	4	33.01	.005	2	1	.97	18	.01	4	.40	.01	.01	1	.001
P 6283	1	1024	6	1889	2.0	1	6	169	12.83	282	5	ND	1	44	24	2	2	7	4.98	.008	2	2	.20	17	.01	2	.12	.01	.01	1	.006
P 6284	1	47	3	105	.1	8	6	611	2.13	10	5	ND	1	76	1	4	2	46	2.41	.086	7	11	1.56	36	.12	2	2.08	.07	.07	1	.001
P 6285	2	505	3	181	.4	9	23	775	5.15	40	5	ND	1	46	1	3	5	58	1.61	.087	8	12	1.60	31	.11	2	1.64	.06	.05	1	.005
P 6286	10	1696	8	9773	1.8	4	82	470	21.79	902	5	ND	3	14	106	2	11	38	.37	.039	3	4	.90	9	.04	6	1.31	.06	.13	1	.015
STD C	19	61	39	132	7.4	71	28	1044	4.11	42	16	8	38	50	18	16	21	57	.46	.086	38	61	.88	179	.06	33	1.96	.06	.16	12	-

- ASSAY REQUIRED FOR CORRECT RESULT for Cu >10,000 ppm
Ag > 35 ppm

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM	AU** OZ/T
P 6287	2	2	3	14	.1	1	1	1757	.38	2	5	ND	1	509	1	2	9	4	32.77	.006	3	3	.61	5	.01	3	.23	.01	.01	1	.001
P 6288	1	117	6	117	.1	5	14	392	3.96	13	5	ND	1	57	1	2	2	68	1.10	.129	4	15	1.25	32	.14	5	1.75	.09	.07	1	.001
P 6289	3	198	9	199	.1	6	4	507	1.61	12	5	ND	1	209	1	2	3	27	13.49	.037	2	14	1.54	68	.07	8	1.86	.10	.09	1	.001
P 6290	2	77	8	46	.1	1	2	233	.90	2	5	ND	7	130	1	2	4	10	1.99	.021	12	4	.44	81	.03	7	2.73	.19	.13	3	.001
P 6291	2	275	7	95	.1	11	19	343	2.17	19	5	ND	1	255	1	2	2	60	3.16	.147	4	8	2.30	122	.16	9	4.14	.11	.49	1	.003
P 6292	1	56	8	134	.1	3	7	696	2.66	2	5	ND	5	30	1	2	2	58	1.49	.119	8	14	5.11	17	.14	5	3.45	.06	.05	1	.001
P 6293	3	44	6	45	.1	2	8	2207	4.30	22	5	ND	4	37	1	2	2	30	6.33	.059	7	4	.54	30	.07	3	1.97	.03	.03	1	.001
P 6294	5	18	5	42	.1	1	6	2262	4.72	19	5	ND	1	24	1	2	2	20	7.07	.050	3	3	.46	17	.05	2	1.81	.01	.02	3	.001
P 6295	15	69215	2	655	65.7	23	220	859	26.08	73	5	4	1	2	5	2	2	8	7.12	.008	3	1	.07	2	.01	2	.32	.01	.02	41	.236
P 6296	17	2665	3	71	4.2	2	12	1602	10.93	46	5	ND	1	10	1	2	2	35	12.88	.029	4	4	.21	4	.03	4	.82	.01	.01	178	.025
P 6297	44	55020	6	311	84.3	43	230	746	21.01	108	5	12	2	2	4	2	2	10	7.58	.007	5	1	.07	3	.01	2	.54	.01	.01	88	.510
P 6298	1	545	5	75	.3	37	34	945	5.08	63	5	ND	1	89	1	2	2	63	3.56	.061	2	47	1.19	24	.21	5	2.29	.14	.05	1	.003
P 6299	2	1122	11	91	1.5	9	24	2594	13.90	448	5	ND	1	18	1	2	2	23	13.44	.019	2	8	.27	8	.02	2	.72	.02	.02	6	.008
P 6300	1	505	11	42	.1	76	46	446	4.55	28	5	ND	1	96	1	2	2	80	1.54	.051	2	78	.71	24	.31	5	2.40	.32	.04	1	.002
P 6301	1	653	13	55	.2	121	93	719	6.17	39	5	ND	1	76	1	2	2	79	1.44	.050	2	75	.74	18	.31	7	2.31	.31	.05	1	.003
P 6302	1	345	2	38	.1	99	26	285	3.38	22	5	ND	1	179	1	2	2	65	1.99	.055	2	60	.48	16	.25	3	2.47	.45	.04	1	.001
P 6303	1	370	4	52	.1	88	32	356	4.92	44	5	ND	1	185	1	2	2	65	2.33	.046	2	64	.81	26	.21	4	2.92	.43	.08	1	.001
P 6304	1	329	7	54	.1	92	36	496	5.29	32	5	ND	1	212	1	2	2	88	2.45	.053	2	85	.94	45	.29	4	3.11	.45	.12	1	.001
P 6305	1	799	5	72	.5	103	48	374	6.45	28	5	ND	1	147	1	2	3	103	2.30	.060	2	117	1.57	46	.28	7	3.70	.39	.40	1	.004
P 6306	1	351	9	62	.1	71	27	339	4.43	30	5	ND	1	164	1	2	2	92	3.16	.070	2	93	1.52	50	.26	9	4.35	.24	.17	1	.001
P 6307	4	1298	2	33	2.2	11	44	1168	11.23	208	5	ND	1	184	1	2	3	16	20.47	.014	2	6	.29	7	.02	6	.32	.01	.02	10	.002
P 6308	2	315	3	26	.4	7	27	870	4.86	14	5	ND	1	166	1	2	2	9	19.80	.013	2	3	.34	5	.01	3	.33	.01	.01	4	.001
P 6309	1	192	4	91	.1	10	20	540	4.64	9	5	ND	1	210	1	2	2	138	2.08	.074	3	12	1.52	342	.27	6	3.68	.30	.44	1	.001
P 6310	1	112	7	86	.1	4	11	748	2.92	10	5	ND	1	221	1	2	2	60	8.72	.052	3	5	1.14	103	.15	3	2.62	.31	.07	1	.001
P 6311	2	75	4	261	.1	5	12	597	2.26	9	5	ND	1	254	3	2	2	67	2.59	.107	4	9	1.46	140	.14	5	3.08	.20	.12	1	.001
P 6312	1	195	5	177	.1	8	17	528	3.78	13	5	ND	1	264	1	2	2	78	1.80	.129	3	8	1.63	153	.16	4	3.20	.29	.12	1	.001
P 6313	2	93	2	48	.1	6	14	361	3.59	6	5	ND	2	108	1	2	3	73	.89	.108	4	9	1.01	58	.14	4	1.76	.13	.05	2	.001
P 6314	1	68	3	42	.1	5	13	431	2.96	7	5	ND	1	170	1	2	2	82	1.50	.116	4	5	1.03	110	.16	4	1.99	.28	.16	1	.001
P 6315	1	48	2	40	.1	5	7	642	2.04	16	5	ND	1	110	1	2	2	48	1.94	.120	4	5	.93	21	.13	2	1.68	.08	.05	2	.001
P 6316	1	44	6	53	.1	5	6	691	2.43	21	5	ND	1	194	1	3	2	48	2.18	.137	3	4	1.28	40	.12	5	2.22	.06	.04	1	.001
P 6317	1	25	13	54	.1	2	1	264	1.23	11	5	ND	1	364	1	2	2	28	3.64	.096	3	4	.19	40	.12	4	4.34	.58	.06	1	.001
P 6318	1	33	7	42	.1	2	2	409	1.36	14	5	ND	1	426	1	2	2	36	4.82	.103	2	3	.27	20	.12	5	5.14	.52	.02	2	.001
P 6319	1	1641	8	186	.5	90	101	1346	7.91	6	5	ND	1	94	1	2	2	157	.90	.061	3	136	3.41	34	.16	2	4.15	.11	.05	1	.001
P 6320	1	522	19	136	.2	53	57	827	6.64	5	5	ND	1	184	1	2	2	156	2.17	.114	5	81	3.75	85	.16	9	6.10	.20	.07	1	.001
P 6321	1	485	9	138	.1	99	47	770	8.05	11	5	ND	1	187	1	2	2	158	1.20	.050	2	149	2.93	73	.22	5	4.08	.20	.03	1	.001
P 6322	1	520	10	241	.1	113	73	967	8.00	9	5	ND	1	106	1	2	2	184	1.33	.048	2	186	4.00	53	.19	5	4.77	.21	.03	1	.001
STD C	19	58	36	132	7.3	68	29	1038	4.09	39	15	8	38	51	18	16	21	57	.45	.089	38	59	.86	181	.06	35	1.95	.06	.14	11	-

VANANDA GOLD FILE # 87-5763

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM
P 6323	1	140	9	46	.2	4	15	430	5.36	90	5	ND	3	124	1
P 6324	1	40	2	48	.1	3	1	582	.92	56	5	ND	1	305	1
P 6325	1	16	6	18	.1	5	22	1165	16.59	151	5	ND	2	14	1
P 6326	1	16	6	16	.1	2	6	1247	13.58	88	5	ND	1	10	1
P 6327	1	496	2	36	.3	6	17	1079	14.13	173	5	ND	1	16	1
P 6328	1	570	2	18	.3	5	8	898	9.37	100	5	ND	1	209	1
P 6329	1	60	7	59	.1	2	9	296	2.84	41	5	ND	1	225	1
P 6330	1	149	7	57	.4	68	21	629	4.05	34	5	ND	1	183	1
P 6331	1	124	12	74	.4	56	22	915	5.22	19	5	ND	1	123	1
P 6332	1	203	9	104	.2	97	44	354	2.99	39	5	ND	1	201	1
P 6333	1	7	4	17	.1	3	3	181	.94	2	5	ND	8	79	1
P 6334	1	22	4	23	19.7	15	11	203	2.83	6	5	167	1	114	1
STD C	19	59	43	135	7.3	69	29	1065	4.02	41	24	7	38	52	18

SAMPLE#	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** OZ/T
P 6323	2	2	44	3.47	.114	9	1	.93	70	.10	2	1.80	.16	.14	3	.001
P 6324	2	2	1	29.59	.069	2	1	.03	4	.01	7	.16	.01	.04	2	.001
P 6325	2	2	5	17.56	.016	2	2	.11	2	.01	2	.21	.01	.04	40	.001
P 6326	2	2	6	17.18	.010	2	2	.16	2	.01	2	.29	.01	.04	21	.001
P 6327	2	2	9	14.72	.035	2	2	.16	10	.02	4	.43	.03	.05	48	.003
P 6328	2	2	4	23.50	.024	2	2	.12	4	.01	4	.15	.01	.04	59	.004
P 6329	2	2	52	3.81	.130	8	1	.90	129	.12	3	4.90	.47	.43	1	.004
P 6330	2	2	158	4.03	.044	2	149	1.46	82	.14	6	5.34	.30	.43	3	.001
P 6331	2	3	187	17.88	.068	5	90	1.30	18	.12	4	2.37	.01	.07	1	.004
P 6332	2	3	136	3.20	.056	2	145	1.09	50	.20	4	4.04	.47	.44	1	.001
P 6333	2	2	10	1.37	.015	10	6	.30	68	.02	2	1.76	.14	.22	1	.006
P 6334	2	2	80	1.34	.081	4	75	.33	36	.12	2	1.37	.25	.05	1	7.110 Roys
STD C	17	20	60	.47	.082	39	62	.88	181	.07	33	1.88	.06	.14	11	-

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-[illegible]6

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 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: Rock Chips

DATE RECEIVED: NOV 25 1987 DATE REPORT MAILED: Nov 27/87 ASSAYER. D. Toye...DEAN TOYE, CERTIFIED B.C. ASSAYER

VANANDA GOLD LTD. File # 87-5476 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM
P 6151	8	174	5	336	.4	4	6	732	2.42	36	5	ND	2	79	3	2	2	35	2.58	.087	3	5	.75	10	.11	2	1.01	.04	.04	1
P 6152	1	78	5	390	.4	2	4	545	1.33	8	5	ND	3	28	2	2	2	19	1.34	.043	5	3	.49	14	.10	3	.64	.07	.04	1
P 6153	1	45	5	102	.5	1	2	455	1.34	7	5	ND	5	15	1	2	2	21	1.62	.048	7	1	.23	7	.11	2	.40	.07	.02	1
P 6154	3	2785	7	3473	.6	8	11	1194	3.59	27	5	ND	4	19	5	2	2	28	2.69	.079	4	12	.56	24	.05	2	1.42	.04	.03	2
P 6155	1	179	10	357	.3	6	11	597	3.70	44	5	ND	2	207	5	3	2	70	2.58	.085	3	6	1.88	145	.14	2	3.37	.22	.25	1
P 6156	3	957	8	180	1.3	1	16	1304	7.72	142	5	ND	2	13	2	2	2	19	2.64	.013	2	2	.61	24	.04	2	1.14	.03	.02	1
P 6157	8	2492	13	795	4.6	2	23	779	22.27	955	5	ND	3	11	14	2	2	27	.92	.013	2	4	.31	19	.03	2	.66	.03	.02	1
P 6158	1	2035	2	1039	.6	11	19	706	3.16	34	5	ND	3	34	4	2	2	48	.69	.043	8	13	.61	28	.10	2	2.91	.08	.05	1
P 6159	9	4289	14	22340	2.3	2	16	69	22.06	365	5	ND	3	2	298	2	2	4	.07	.001	2	5	.03	4	.01	2	.09	.01	.01	1
P 6160	3	177	7	139	.6	6	26	493	2.49	25	5	ND	3	60	1	7	2	29	2.39	.082	4	3	3.27	423	.14	3	3.02	.07	.73	2
P 6161	2	1213	6	551	1.8	10	24	437	2.56	40	5	ND	2	88	7	2	2	41	2.74	.125	3	4	1.83	188	.13	3	1.90	.11	.17	1
P 6162	6	451	6	89	1.2	7	37	517	2.56	32	5	ND	2	79	1	3	2	44	2.61	.114	4	4	2.14	370	.15	2	2.21	.08	.34	1
P 6163	23	230	4	95	1.0	6	19	549	2.49	39	5	ND	3	87	1	3	2	45	3.01	.134	5	5	2.06	172	.13	4	2.24	.10	.12	1
P 6164	8	21	5	17	.3	1	2	1312	3.11	9	6	ND	3	4	1	2	2	20	5.54	.024	2	1	.21	3	.04	2	1.24	.01	.01	1
P 6165	6	27	3	23	.5	1	3	1394	2.85	9	5	ND	4	6	1	2	2	15	4.75	.013	2	1	.23	4	.03	2	1.15	.01	.01	2
P 6166	3	90	4	51	.4	3	7	1558	4.31	13	5	ND	3	11	1	2	2	18	6.32	.028	3	2	.98	2	.02	2	1.63	.01	.01	1
P 6167	8	48	2	24	.5	2	4	1347	2.94	10	5	ND	2	11	1	2	2	14	4.70	.043	4	2	.77	3	.03	2	1.19	.01	.01	2
P 6168	4	87	4	36	.1	3	8	1260	3.07	6	5	ND	1	3	1	2	2	18	4.25	.009	2	2	.68	3	.02	2	1.01	.01	.01	1
P 6169	8	28	2	39	.4	2	5	1228	2.34	17	5	ND	3	32	1	2	2	27	3.92	.089	4	3	1.70	5	.07	2	1.43	.02	.01	1
P 6170	1	7	2	17	.6	1	1	1560	.42	2	5	ND	2	373	1	2	2	1	33.50	.003	2	1	.64	3	.01	2	.09	.01	.01	1
P 6171	2	54	7	223	.4	9	16	1450	4.54	26	5	ND	3	207	1	3	2	116	4.27	.062	3	8	2.12	121	.19	2	4.33	.26	.14	1
P 6172	5	2256	2	140	2.0	15	42	593	2.13	27	5	ND	2	30	1	6	2	23	3.62	.086	3	1	1.83	29	.10	3	1.94	.03	.11	1
P 6173	8	2167	4	133	2.8	6	52	620	2.39	34	5	ND	2	51	1	22	2	27	4.24	.050	5	1	1.77	107	.13	10	2.29	.04	.15	1
P 6174	1	157	7	47	.5	3	4	689	1.60	11	5	ND	7	110	1	3	2	13	5.32	.042	8	2	1.84	36	.04	2	2.19	.07	.07	1
P 6175	4	36	3	43	.3	3	4	319	1.28	3	5	ND	6	67	1	2	2	18	1.08	.053	6	3	.89	38	.07	2	1.70	.10	.09	3
P 6176	1	82	3	153	.4	3	6	297	1.54	4	5	ND	6	161	1	2	2	22	1.36	.039	7	2	.85	86	.06	2	2.36	.14	.21	1
P 6177	1	99	2	105	.5	3	8	278	1.79	4	5	ND	7	29	1	2	2	19	.67	.045	9	2	.79	22	.08	3	.93	.07	.08	1
P 6178	3	425	3	160	.7	5	14	809	6.42	36	5	ND	3	201	1	2	2	15	21.71	.025	3	3	.84	19	.02	2	.69	.01	.03	3
P 6179	2	1013	13	107	1.6	21	22	1114	25.75	139	5	ND	4	7	1	2	2	14	5.86	.041	2	1	.13	2	.01	2	.41	.01	.01	2
P 6180	1	6063	14	306	4.8	38	29	725	22.79	72	5	ND	3	28	3	2	2	25	2.73	.015	2	11	.39	7	.05	2	.61	.04	.01	1
P 6181	1	313	11	92	.8	22	27	907	27.50	51	5	ND	4	5	1	2	2	18	3.83	.025	2	1	.22	2	.03	2	.40	.02	.01	1
P 6182	3	307	16	126	.8	31	35	787	44.24	32	5	ND	5	6	1	2	2	18	1.29	.007	2	6	.18	5	.03	2	.22	.02	.01	1
P 6183	2	641	14	123	1.5	35	29	1666	15.79	62	5	ND	3	69	1	2	2	64	5.79	.042	2	62	2.04	7	.09	2	2.08	.02	.01	1
P 6184	3	104	15	74	.8	14	26	761	37.37	76	5	ND	4	4	1	2	2	18	1.51	.017	2	2	.12	3	.02	2	.20	.03	.02	1
P 6185	1	3171	16	188	4.0	31	26	699	30.91	34	5	ND	4	4	2	2	2	20	2.28	.008	2	1	.11	4	.01	2	.21	.02	.01	2
P 6186	1	102	6	37	.7	11	15	413	4.19	12	5	ND	2	162	1	2	2	110	2.06	.143	6	12	.84	134	.17	4	2.78	.35	.26	1
STD C	18	57	37	132	7.4	68	27	1032	4.05	41	24	7	38	50	18	18	21	56	.48	.086	37	58	.86	178	.08	32	1.88	.08	.14	12

	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM
P 6187	1	280	10	168	.8	111	34	769	7.42	7	12	ND	2	71	1	2	2	218	.62	.050	2	239	4.67	53	.25	3	4.63	.13	.03	1
P 6188	1	261	8	179	.3	103	32	685	7.47	7	5	ND	1	47	1	2	2	193	.44	.050	2	229	4.50	28	.21	2	4.13	.12	.03	1
P 6189	2	2061	8	96	1.5	49	36	2542	11.27	131	5	ND	2	38	1	2	2	72	7.80	.018	2	68	.76	10	.13	2	1.36	.01	.03	4
P 6190	1	6333	7	282	3.1	72	45	1064	7.79	63	5	ND	1	63	2	2	2	79	3.80	.041	2	108	1.47	19	.27	3	2.01	.04	.05	1
P 6191	1	3093	5	165	.9	106	67	991	5.92	24	5	ND	1	98	1	2	2	95	2.12	.051	2	143	1.87	32	.27	4	2.72	.17	.03	1
P 6192	1	481	4	84	1.0	49	22	633	3.57	64	5	ND	1	137	1	2	2	70	3.56	.043	2	64	.63	16	.27	2	2.99	.26	.03	1
P 6193	1	349	9	56	.7	83	31	292	5.53	24	6	ND	1	125	1	2	2	67	2.06	.047	2	83	.82	40	.25	2	3.48	.44	.04	1
P 6194	1	188	8	194	.6	110	35	725	7.59	12	5	ND	1	61	1	2	2	169	.79	.052	2	200	3.44	29	.23	5	3.34	.13	.02	1
P 6195	1	192	7	93	.8	90	34	601	6.93	12	9	ND	1	93	1	2	2	135	1.15	.047	2	159	2.44	39	.35	5	2.82	.16	.03	1
P 6196	7	1764	15	2390	1.7	15	60	1277	18.46	79	5	ND	3	161	21	2	2	54	10.37	.027	2	38	.50	8	.10	2	1.21	.01	.01	94
P 6197	2	536	9	117	1.5	59	24	1209	10.40	44	5	ND	1	108	1	2	2	117	4.01	.041	2	134	1.99	41	.22	2	3.32	.11	.04	1
P 6198	1	1007	10	209	2.1	126	47	938	8.15	29	6	ND	1	129	1	2	2	115	2.81	.048	2	151	2.72	49	.25	2	3.86	.15	.05	1
P 6199	1	392	6	131	1.0	102	37	881	8.18	16	6	ND	1	104	1	2	2	161	1.49	.047	2	172	3.41	34	.31	2	3.63	.13	.03	1
STD C	18	58	40	134	7.5	69	27	1043	4.12	40	20	7	39	50	18	18	18	57	.49	.089	38	59	.88	181	.08	31	1.92	.08	.14	13

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604) 253-3158 FAX (604) 253-1716

DATE RECEIVED: NOV 2 1987
DATE REPORT MAILED: Nov 20/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Rock Chips AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

VANANDA GOLD LTD. File # 87-5476 Page 1

SAMPLE#	AU** oz/t
P 6151	.002
P 6152	.001
P 6153	.001
P 6154	.018
P 6155	.002
P 6156	.010
P 6157	.039
P 6158	.002
P 6159	.018
P 6160	.005
P 6161	.018
P 6162	.017
P 6163	.005
P 6164	.001
P 6165	.001
P 6166	.001
P 6167	.001
P 6168	.001
P 6169	.001
P 6170	.001
P 6171	.001
P 6172	.022
P 6173	.029
P 6174	.006
P 6175	.001
P 6176	.001
P 6177	.001
P 6178	.001
P 6179	.004
P 6180	.006
P 6181	.002
P 6182	.001
P 6183	.001
P 6184	.002
P 6185	.021
P 6186	.001

SAMPLE#	AU** oz/t
P 6187	.001
P 6188	.001
P 6189	.001
P 6190	.001
P 6191	.001
P 6192	.001
P 6193	.001
P 6194	.001
P 6195	.010
P 6196	.001
P 6197	.002
P 6198	.006
P 6199	.012

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 13 1987
DATE REPORT MAILED: Aug. 22/87

GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 TO P18-SOIL P19-ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
P-20 MESH, PULVERIZED

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

VANANDA GOLD LTD. File # 87-3273 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
9700E 10075N	1	49	19	7	3	15
9700E 10050N	1	9	4	3	3	16
9700E 10025N	1	92	12	16	9	3
9700E 10000N	1	62	13	22	7	2
9700E 9975N	1	73	12	14	5	4
9700E 9950N	1	50	11	10	5	26
9700E 9925N	1	120	9	19	9	9
9700E 9900N	1	22	16	13	6	1
9700E 9875N	1	24	9	7	4	1
9700E 9825N	1	168	9	12	8	16
9700E 9800N	2	35	18	10	2	48
9700E 9775N	1	217	6	31	7	6
9700E 9750N	1	187	12	17	5	17
9700E 9725N P	1	42	10	10	3	7
9700E 9700N	1	189	19	34	4	9
9700E 9675N	1	95	5	24	2	3
9700E 9650N	1	83	8	20	5	2
9700E 9625N	2	38	14	21	3	5
9700E 9600N	1	26	10	17	2	1
9700E 9575N	1	29	11	8	3	22
9700E 9550N	1	32	13	9	2	15
9700E 9500N	2	133	16	17	14	6
9750E 10475N	1	79	14	31	5	2
9750E 10075N	2	140	5	31	9	2
9750E 10050N	1	87	16	20	9	7
9750E 10025N	1	205	12	13	7	9
9750E 10000N	1	74	11	10	5	7
9750E 9900N	1	55	10	10	7	1
9750E 9875N	1	20	13	5	4	1
9750E 9850N	1	126	8	9	5	6
9750E 9825N	1	162	9	13	3	4
9750E 9800N	1	32	9	11	3	1
9750E 9775N	1	8	9	3	3	2
9750E 9750N	1	43	11	9	6	3
9750E 9725N	1	42	12	25	2	5
9750E 9700N	1	114	11	30	2	12
STD C/AU-S	19	60	42	28	39	49

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
9750E 9675N	1	68	14	21	2	15
9750E 9650N	1	151	17	16	27	2
9750E 9625N	1	325	12	40	3	11
9750E 9600N	1	161	17	29	2	315
9750E 9575N	1	204	14	13	4	12
9750E 9550N	1	219	16	9	6	10
9750E 9525N	1	196	8	32	2	1
9750E 9500N	2	192	14	31	2	1
9800E 10475N	1	9	12	4	8	25
9850E 10400N	1	24	19	8	81	4
9850E 9800N	1	29	22	5	10	7
9850E 9775N	2	21	19	4	8	2
9850E 9750N P	2	16	33	3	10	4
9850E 9725N	1	10	24	3	4	1
9850E 9700N	1	25	29	13	8	3
9900E 9750N P	1	184	21	12	10	485
9950E 9750N	1	176	19	10	9	70
10000E 10425N	1	21	12	6	5	6
10050E 10425N P	1	16	26	3	6	12
10050E 9875N	1	19	26	5	7	6
10050E 9850N	1	23	85	5	38	143
10050E 9800N	5	29	33	8	83	9
10050E 9775N	1	35	31	8	36	25
10100E 10450N P	1	74	20	10	31	28
10100E 10425N	1	9	11	3	5	102
10100E 10350N P	1	27	31	6	9	57
10150E 10450N	1	42	46	6	9	20
10150E 10300N	1	36	30	8	6	94
10150E 10225N P	1	35	42	5	38	10
10150E 10200N	1	141	24	8	8	29
10150E 9775N P	3	253	28	32	27	55
10150E 9750N P	3	99	22	25	30	59
10150E 9700N	1	18	24	7	5	79
10150E 9675N	1	34	17	9	5	16
10150E 9650N	1	23	48	8	14	2
10150E 9625N	1	19	13	6	4	10
STD C/AU-S	19	60	39	27	39	53

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10150E 9600N	1	47	18	7	7	12
10150E 9575N	1	82	17	9	7	5
10150E 9550N P	1	41	22	8	6	7
10150E 9525N	1	8884	41	8	6	172
10150E 9500N	1	78	13	10	4	4
10200E 10400N	1	41	17	7	7	4
10200E 10275N P	5	119	25	12	24	8
10200E 10250N	1	40	47	8	9	4
10200E 10225N	1	60	38	8	12	5
10200E 10200N	1	23	31	3	11	1
10200E 10175N	3	67	61	10	29	3
10200E 10150N	1	56	17	11	14	1
10200E 10125N	2	53	42	11	23	3
10200E 10100N	1	20	21	7	4	1
10200E 10075N	4	32	37	12	24	2
10200E 10050N	2	15	12	6	4	4
10200E 10025N	8	33	34	10	9	4
10200E 9975N	1	22	43	5	12	1
10200E 9950N	1	24	12	5	3	6
10200E 9925N	2	27	21	8	8	3
10200E 9900N	1	4	8	1	2	1
10200E 9875N	2	19	33	3	7	1
10200E 9850N	2	24	27	9	11	2
10200E 9825N	2	18	31	5	9	1
10200E 9800N	1	30	19	7	6	250
10200E 9775N	2	18	23	7	63	1
10200E 9750N	1	27	14	6	8	3
10200E 9725N	1	18	19	6	6	6
STD C/AU-S	20	62	41	28	39	53
10200E 9700N P	1	17	36	3	6	49
10200E 9675N	2	34	48	5	11	1
10200E 9650N	1	24	46	8	12	4
10200E 9600N	1	9	12	3	2	6
10200E 9575N	1	26	25	8	5	1
10200E 9550N	1	29	17	7	6	1
10200E 9525N	1	15	20	4	3	52
10200E 9500N	1	22	16	2	2	2

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10250E 10450N	1	1030	22	7	2	1010
10250E 10425N	1	30	23	4	4	11
10250E 10400N	1	40	31	7	8	1
10250E 10375N	17	5311	50	10	36	795
10250E 10350N	3	124	100	4	45	1
10250E 10325N	1	120	104	4	12	15
10250E 10300N	1	39	28	2	10	1
10250E 10275N	3	93	131	12	13	103
10250E 10250N	1	17	45	4	23	1
10250E 10225N	1	33	18	10	8	1
10250E 10200N	1	29	17	9	5	1
10250E 10175N	1	38	30	12	10	1
10250E 10150N	1	63	14	8	5	73
10250E 10125N	1	8	11	2	2	185
10250E 10100N	3	177	17	3	8	1
10250E 10075N	1	50	35	6	11	2
10250E 10000N	1	28	35	1	5	1
10250E 9975N	1	37	20	8	7	1
10250E 9950N	1	20	19	8	2	2
10250E 9925N	1	70	2	1	7	1
10250E 9900N	1	60	11	6	9	2
10250E 9875N	1	37	26	6	8	1
10250E 9850N	1	22	19	5	10	2
10250E 9775N	3	30	50	7	41	2
10250E 9750N	2	14	35	4	9	1
10250E 9725N	1	22	15	5	4	2
10250E 9700N	1	48	13	5	4	1
10250E 9675N	1	40	18	7	9	1
10250E 9650N	1	40	28	14	23	6
10250E 9625N	1	11	15	5	2	1
10250E 9600N	1	13	18	6	3	2
10250E 9575N	1	25	14	7	3	1
10250E 9550N	1	19	15	5	2	2
10250E 9525N	1	30	13	6	2	1
10250E 9500N	2	136	35	5	5	2
10300E 10600N	1	60	59	5	6	2
STD C/AU-S	19	60	42	27	37	47

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10300E 10500N	1	18	12	4	3	2
10300E 10475N	1	66	61	4	12	5
10300E 10450N	1	13	15	3	3	1
10300E 10425N	1	36	52	3	7	38
10300E 10400N	1	26	18	7	2	1
10300E 10375N	1	28	39	4	17	86
10300E 10350N	1	40	51	13	25	2
10300E 10325N	30	4095	18	6	16	510
10300E 10300N	1	59	33	12	23	1
10300E 10275N	10	10651	15	16	23	3300
10300E 10250N	172	248	30	18	52	1
10300E 10225N	10	114	65	28	91	1
10300E 10200N	4	36	67	11	16	1
10300E 10175N	1	18	61	6	11	1
10300E 10150N	1	15	15	7	8	1
10300E 10125N	7	90	30	26	37	1
10300E 10100N	1	56	17	7	5	2
10300E 10075N	1	18	16	5	4	1
10300E 10050N	2	20	43	6	5	3
10300E 10025N	3	117	46	14	19	1
10300E 10000N	3	85	43	11	27	2
10300E 9975N	2	32	62	9	40	1
10300E 9950N	1	24	17	5	8	2
10300E 9925N	1	14	15	6	3	1
10300E 9900N	1	35	39	10	11	2
10300E 9875N	1	25	62	4	12	1
10300E 9850N	14	50	58	12	70	2
10300E 9825N	2	27	59	7	13	1
10300E 9800N	7	47	80	20	42	1
10300E 9775N	1	19	28	6	6	2
10300E 9750N	1	25	68	8	8	5
10300E 9700N	1	25	40	3	14	2
10300E 9675N	2	20	40	2	11	1
10300E 9575N	1	86	21	7	5	3
10300E 9525N	1	28	24	7	8	1
10300E 9500N	1	20	26	5	14	2
STD C/AU-S	18	62	40	28	39	47

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10350E 10500N	2	57	57	8	29	3
10350E 10475N	2	69	53	3	13	1
10350E 10450N	2	95	45	2	8	2
10350E 10425N	1	39	18	6	17	1
10350E 10400N	1	36	13	6	21	1
10350E 10375N	1	20	11	5	76	1
10350E 10350N	1	18	9	4	10	4
10350E 10325N	1	31	19	7	5	1
10350E 10300N	1	45	10	4	7	13
10350E 10275N	1	39	33	6	10	2
10350E 10250N	2	37	41	10	28	1
10350E 10200N	3	38	44	14	30	1
10350E 10175N	1	34	23	11	10	105
10350E 10150N	2	41	48	9	20	1
10350E 10125N	2	28	58	6	10	1
10350E 10100N	1	15	13	6	5	115
10350E 10075N	3	26	39	8	5	3
10350E 10050N	2	83	19	7	9	14
10350E 10025N	2	24	16	10	15	2
10350E 10000N	2	28	38	5	10	1
10350E 9975N	1	23	27	8	11	3
10350E 9950N	6	32	35	7	29	2
10350E 9925N	1	16	14	5	5	1
10350E 9850N	1	45	37	9	14	5
10350E 9825N	1	62	39	15	38	1
10350E 9800N	2	261	860	33	137	1
10350E 9700N	1	58	35	6	8	25
10350E 9675N	1	27	16	7	5	1
10350E 9650N	18	4823	25	8	12	1090
10350E 9625N	2	52	58	4	8	30
10350E 9500N	1	24	25	2	3	10
10350E 9575N	2	19	45	3	5	4
10350E 9550N	1	26	22	8	3	1
10400E 10500N	1	30	25	2	4	2
10400E 10475N	3	80	70	3	57	1
10400E 10425N	2	81	974	3	15	2
10400E 10400N	2	97	178	5	26	1
STD C/AU-S	19	60	41	27	37	48

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10400E 10375N	5	48	293	13	147	9
10400E 10350N	3	54	80	12	35	4
10400E 10325N	1	85	85	3	10	3
10400E 10275N	2	21	39	5	13	1
10400E 10250N	1	27	33	5	15	2
10400E 10225N	3	173	58	9	39	10
10400E 10200N	2	41	107	5	16	1
10400E 10175N	2	51	15	8	18	3
10400E 10150N	1	18	15	6	7	1
10400E 10125N	1	18	34	3	12	2
10400E 10100N	1	14	15	5	7	4
10400E 10075N	1	24	24	9	9	1
10400E 10050N	1	17	21	4	4	1
10400E 10025N	1	26	50	11	28	1
10400E 10000N	1	27	17	8	4	1
10400E 9975N	2	35	36	5	8	1
10400E 9950N	1	18	15	14	2	1
10400E 9925N	1	18	12	6	2	2
10400E 9900N	1	24	33	4	5	2
10400E 9825N	1	33	65	5	11	1
10400E 9800N	1	20	27	2	2	1
10400E 9750N	5	455	39	6	9	103
10400E 9725N	1	60	37	2	5	2
10400E 9700N	1	28	37	7	6	5
10400E 9675N	1	10	12	4	2	1
STD C/AU-S	20	62	40	29	40	49
10400E 9650N	1	36	16	7	4	3
10400E 9625N	1	24	26	5	3	1
10400E 9600N	1	14	49	3	5	1
10400E 9575N	1	7	28	2	6	1
10400E 9550N	1	11	19	4	2	3
10400E 9525N	1	11	15	4	2	2
10450E 10425N	1	58	240	13	25	2
10450E 10400N	1	68	48	4	33	5
10450E 10375N	5	48	568	11	73	4
10450E 10350N	4	44	48	14	33	2
10450E 10325N	1	64	58	16	58	1

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SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10450E 10300N	3	41	42	17	30	3
10450E 10275N	2	50	33	24	62	1
10450E 10250N	1	123	16	10	42	2
10450E 10225N	1	31	33	3	15	2
10450E 10200N	2	58	9	18	30	1
10450E 10175N	2	18	5	2	9	2
10450E 10150N	21	6945	10	7	19	1290
10450E 10125N	3	592	64	10	16	52
10450E 10100N	3	51	55	12	28	1
10450E 10075N	2	52	43	6	26	6
10450E 10050N	1	38	20	12	37	1
10450E 10025N	1	35	14	12	15	1
10450E 10000N	7	29	53	8	51	1
10450E 9975N	2	35	36	11	51	820
10450E 9900N	1	53	28	6	8	4
10450E 9725N	1	14	13	5	4	1
10450E 9700N	1	30	11	8	6	1
10450E 9675N	1	21	11	7	4	4
10450E 9650N	1	30	13	7	6	1
10450E 9625N	1	17	49	3	6	1
10450E 9600N	1	29	21	5	2	1
10450E 9575N	1	19	6	7	4	2
10450E 9550N	1	20	15	8	10	1
10450E 9525N	1	19	13	9	5	1
10450E 9500N	1	14	10	3	4	1
10500E 10450N	1	64	67	3	10	3
10500E 10425N	1	33	19	7	10	1
10500E 10400N	2	18	43	1	29	3
10500E 10375N	1	26	26	7	13	1
10500E 10350N	2	52	31	16	16	3
10500E 10325N	2	58	58	7	16	2
10500E 10300N	3	41	45	11	13	1
10500E 10275N	1	22	27	7	15	1
10500E 10250N	1	28	20	8	11	1
10500E 10225N	2	32	30	5	13	1
10500E 10200N	1	34	14	8	7	2
STD C/AU-S	18	60	41	29	40	47

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10500E 10175N	1	24	8	5	7	1
10500E 10150N	1	52	46	3	6	2
10500E 10125N	2	26	2	1	9	1
10500E 10075N	3	59	75	10	39	7
10500E 10050N	2	41	9	1	7	1
10500E 10025N	1	29	21	5	3	1
10500E 10000N	1	21	16	5	3	1
10500E 9975N	1	28	16	5	7	2
10500E 9875N	3	109	37	9	7	12
10500E 9850N	2	55	33	12	32	5
10500E 9825N	3	44	309	10	153	3
.STD C/AU-S	19	60	42	28	38	49
10500E 9800N	1	18	31	8	15	4
10500E 9775N	1	29	21	6	5	1
10500E 9750N	1	17	33	7	4	1
10500E 9725N	1	27	17	7	8	2
10500E 9675N	1	18	13	6	2	1
10500E 9650N	1	16	17	7	4	2
10500E 9625N	1	13	21	2	5	1
10500E 9600N	1	32	11	6	2	1
10500E 9575N	1	17	13	6	3	1
10500E 9550N	1	18	35	6	4	1
10500E 9525N	1	26	11	4	3	1
10550E 10400N	2	46	28	4	4	2
10550E 10375N	2	82	75	6	12	1
10550E 10350N	1	29	25	11	9	2
10550E 10325N	5	83	41	23	38	3
10550E 10300N	2	51	45	8	23	1
10550E 10275N	1	2	2	1	2	2
10550E 10250N	1	1	2	1	2	17
10550E 10225N	2	47	26	7	5	3
10550E 10200N	1	39	23	10	11	1
10550E 10175N	3	180	80	9	9	4
10550E 10000N	12	119	106	21	51	9
10550E 9975N	3	71	40	5	14	7
10550E 9900N	2	37	19	11	18	2
10550E 9875N	1	47	53	9	11	4

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10550E 9850N	1	61	192	10	19	14
10550E 9825N	2	13	16	2	8	1
10550E 9800N	2	18	43	7	11	1
10550E 9775N	1	12	19	5	3	1
10550E 9750N	1	20	17	7	4	1
10550E 9725N	2	56	30	7	146	6
10550E 9675N	2	17	31	3	9	1
10550E 9650N	4	32	63	10	19	6
10550E 9625N	1	14	12	4	2	2
10550E 9600N	1	19	36	7	5	2
10550E 9575N	1	8	7	3	2	1
10550E 9550N	2	17	43	6	8	1
10600E 10425N	2	39	111	6	8	5
10600E 10400N	2	20	47	4	12	1
10600E 10375N	2	58	62	3	10	4
10600E 10350N	5	70	54	17	26	3
10600E 10325N	2	78	76	5	19	3
10600E 10300N	3	90	46	5	18	7
10600E 10275N	4	60	63	6	20	3
10600E 10250N	5	72	82	12	40	1
10600E 10225N	2	37	19	2	10	2
10600E 10200N	2	19	20	2	11	1
10600E 10175N	3	60	41	13	30	5
10600E 10150N	2	93	35	15	34	8
10600E 10125N	2	19	12	1	9	1
10600E 10100N	5	576	197	3	12	98
10600E 10075N	2	122	38	2	8	40
10600E 10050N	4	128	43	29	108	8
10600E 10025N	6	712	1122	8	17	157
10600E 10000N	1	51	38	7	6	6
10600E 9850N	1	63	20	8	14	5
10600E 9825N	2	25	26	3	10	1
10600E 9800N	3	20	26	6	76	2
10600E 9775N	1	40	17	9	9	15
10600E 9750N	1	21	13	7	7	1
10600E 9725N	1	24	12	8	6	2
STD C/AU-S	19	63	41	28	40	48

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10600E 9700N	1	11	11	4	4	1
10600E 9650N	2	10	22	1	11	1
10600E 9625N	1	12	33	2	10	1
10600E 9600N	1	14	14	5	2	1
10600E 9575N	1	17	58	3	8	1
10600E 9550N	1	16	8	7	2	1
10650E 10425N	2	62	39	16	17	1
10650E 10400N	1	11	11	2	3	1
10650E 10375N	1	38	15	8	2	1
10650E 10350N	1	39	65	6	9	2
10650E 10325N	2	71	34	15	24	8
10650E 10300N	3	35	30	7	14	1
10650E 10275N	2	31	49	10	27	1
10650E 10250N	1	60	26	6	5	1
10650E 10225N	1	25	36	6	7	1
10650E 10200N	1	26	17	9	2	5
10650E 10175N	1	29	36	3	6	1
10650E 10150N	1	28	16	10	3	1
10650E 10125N	1	6	7	1	5	1
10650E 10100N	4	21	30	3	10	1
10650E 10075N	1	36	25	5	15	3
10650E 10050N	2	21	18	2	9	1
10650E 10025N	1	52	35	5	4	1
10650E 10000N	1	41	89	8	8	1
10650E 9975N	1	56	35	10	10	5
10650E 9950N	1	25	17	10	2	1
10650E 9925N	1	30	68	3	15	2
10650E 9900N	2	21	51	5	12	1
10650E 9875N	1	36	21	11	5	2
10650E 9850N	2	12	29	3	13	1
10650E 9825N	1	22	15	7	12	1
10650E 9800N	2	26	78	11	157	1
10650E 9775N	2	14	19	1	12	1
10650E 9750N	1	9	28	2	10	1
10650E 9725N	1	19	24	10	5	1
10650E 9700N	1	29	17	7	3	1
STD C/AU-S	19	60	41	27	36	52

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10650E 9675N	1	6	18	1	7	3
10650E 9650N	1	19	24	7	10	1
10650E 9625N	1	55	11	11	5	1
10650E 9600N	1	25	15	8	4	1
10650E 9575N	1	22	12	7	2	1
10650E 9550N	1	21	75	3	23	4
10650E 9525N	1	7	18	3	4	18
10650E 9500N	1	17	14	6	4	4
10700E 10500N	1	32	70	9	6	3
10700E 10475N	1	62	17	13	8	3
10700E 10450N	1	57	23	8	9	1
10700E 10425N	1	25	23	2	7	1
10700E 10400N	4	239	25	38	50	16
10700E 10375N	3	50	33	17	26	2
10700E 10350N	2	27	35	4	12	1
10700E 10325N	1	20	15	7	4	1
10700E 10300N	1	17	15	2	3	1
10700E 10275N	1	17	17	2	6	4
10700E 10250N	1	23	20	1	3	2
10700E 10225N	1	15	20	5	4	4
10700E 10200N	1	24	58	7	11	1
10700E 10175N	1	24	13	1	4	1
10700E 10150N	1	22	25	7	9	4
10700E 10125N	1	24	18	5	7	3
10700E 10100N	1	15	19	3	6	1
10700E 10075N	1	25	16	6	5	1
10700E 10050N	1	36	24	12	40	1
10700E 10025N	4	109	24	22	174	1
10700E 10000N	1	46	14	9	15	2
10700E 9975N	1	43	14	9	7	2
10700E 9950N	1	31	10	10	6	1
10700E 9925N	1	29	50	7	16	1
10700E 9900N	1	45	194	15	32	1
10700E 9875N	2	19	124	4	14	2
10700E 9850N	1	10	21	2	7	1
10700E 9825N	1	54	14	10	19	2
STD C/AU-S	19	61	41	27	38	49

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10700E 9800N	1	20	21	6	10	1
10700E 9775N	2	31	14	7	11	1
10700E 9750N	7	78	11	11	20	1
10700E 9725N	1	15	14	7	2	1
10700E 9700N	1	6	9	4	2	2
10700E 9675N	1	12	16	4	2	1
10700E 9650N	1	12	20	6	4	1
10700E 9625N	1	12	16	6	4	1
10700E 9600N	1	44	4	8	4	2
10700E 9575N	1	30	8	9	3	1
10700E 9550N	1	21	9	6	2	1
10700E 9525N	1	18	15	6	2	2
10700E 9500N	1	19	15	8	2	1
10750E 10500N	1	17	30	2	5	1
10750E 10475N	1	26	43	5	16	1
10750E 10450N	1	20	26	4	5	2
10750E 10425N	2	23	23	4	6	1
10750E 10400N	1	15	12	6	2	1
10750E 10375N	1	47	9	3	2	2
STD C/AU-S	19	60	41	29	38	47
10750E 10350N	1	27	29	9	4	1
10750E 10325N	1	22	14	6	5	1
10750E 10300N	1	15	13	4	15	1
10750E 10275N	1	22	13	3	10	1
10750E 10250N	2	23	29	5	14	1
10750E 10225N	1	22	21	3	17	2
10750E 10200N	3	30	46	7	18	4
10750E 10175N	1	36	27	2	22	1
10750E 10150N	1	32	20	7	26	1
10750E 10125N	3	29	31	10	32	1
10750E 10100N	2	88	36	24	34	2
10750E 10075N	3	47	23	15	37	1
10750E 10050N	1	74	24	19	125	2
10750E 10025N	1	15	17	2	7	2
10750E 10000N	1	19	17	2	24	1
10750E 9975N	1	7	8	1	10	1
10750E 9925N	1	22	25	12	4	2

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10750E 9900N	1	27	13	7	3	1
10750E 9875N	1	40	22	8	14	1
10750E 9850N	1	36	23	7	25	1
STD C/AU-S	19	59	38	27	38	48
10750E 9825N	1	41	11	7	15	1
10750E 9800N	1	22	34	10	14	18
10750E 9775N	3	38	12	11	17	1
10750E 9750N	2	20	60	7	9	1
10750E 9725N	1	24	17	8	4	1
10750E 9700N	1	33	43	8	6	1
10750E 9675N	1	20	85	3	8	1
10750E 9650N	1	18	75	3	9	2
10750E 9625N	1	29	12	7	5	1
10750E 9600N	1	71	2	9	4	1
10750E 9575N	1	19	23	6	6	2
10750E 9550N	1	34	13	8	20	1
10750E 9525N	1	17	21	6	5	1
10750E 9500N	1	18	57	4	13	1
10800E 10500N	1	47	27	2	6	1
10800E 10475N	1	31	32	6	7	1
10800E 10450N	1	40	28	6	9	2
10800E 10425N	1	39	33	4	10	1
10800E 10400N	1	54	16	8	6	36
10800E 10375N	1	22	15	6	4	15
10800E 10350N	1	19	12	2	6	2
10800E 10325N	4	35	37	4	22	10
10800E 10325N A	1	15	12	3	2	1
10800E 10300N	1	43	18	6	6	2
10800E 10250N	1	48	28	7	27	1
10800E 10225N	1	54	8	7	9	1
10800E 10200N	1	39	15	6	8	2
10800E 10175N	1	40	11	7	8	1
10800E 10150N	1	38	22	8	28	1
10800E 10125N	1	13	15	4	7	1
10800E 10100N	1	29	61	6	30	1
10800E 10050N	2	56	36	14	190	2
10800E 10025N	1	22	20	2	7	1

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10800E 10000N	1	19	45	2	13	4
10800E 9975N	1	19	26	2	14	1
10800E 9950N	1	11	30	1	9	3
10800E 9925N	1	18	32	2	15	2
10800E 9900N	1	21	34	3	15	1
10800E 9875N	1	27	37	3	12	1
10800E 9850N	1	18	29	9	31	1
10800E 9825N	1	35	22	12	34	2
10800E 9800N	1	51	20	9	18	3
10800E 9775N	1	44	17	9	4	1
10800E 9750N	1	50	12	8	10	1
10800E 9725N	1	28	8	6	2	1
10800E 9700N	1	9	55	2	4	2
10800E 9675N	1	17	31	2	3	1
10800E 9650N	1	12	17	6	3	2
10800E 9625N	1	53	98	9	9	2
10800E 9600N	1	21	13	7	6	1
10800E 9575N	1	28	24	7	19	1
10800E 9550N	1	44	11	8	5	3
10800E 9525N	1	25	22	8	5	1
10800E 9500N	1	16	46	4	8	1
10850E 10375N	1	53	24	13	9	1
10850E 10350N	1	33	32	2	8	1
10850E 10300N	1	36	42	13	53	2
10850E 10275N	2	25	41	5	10	1
10850E 10250N	1	22	36	2	7	1
10850E 10225N	1	21	26	2	9	1
10850E 10200N	1	12	13	6	3	1
10850E 10175N	1	16	10	2	6	1
10850E 10150N	1	27	36	5	10	1
10850E 10125N	1	34	13	9	8	2
10850E 10100N	1	46	17	7	8	1
10850E 10075N	1	41	32	9	42	1
10850E 10000N	1	10	23	1	2	1
10850E 9975N	1	7	5	1	4	1
10850E 9950N	2	89	22	14	231	2
STD C/AU-S	19	59	42	27	37	49

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10850E 9925N	1	26	14	9	16	8
10850E 9900N	1	10	5	4	8	3
10850E 9875N	1	14	110	5	26	2
10850E 9850N	1	44	367	3	185	7
10850E 9825N	1	9	79	1	29	1
10850E 9800N	1	12	49	4	19	2
10850E 9775N	1	13	71	2	7	2
10850E 9750N	1	9	9	2	2	2
10850E 9725N	1	12	41	4	3	4
10850E 9700N	1	40	10	12	6	2
10850E 9675N	2	37	41	15	20	5
STD C/AU-S	19	62	41	29	38	47
10850E 9650N	1	13	52	7	14	1
10850E 9625N	1	14	25	3	9	1
10850E 9600N	1	12	63	3	8	3
10850E 9575N	1	7	10	1	2	2
10850E 9550N	1	32	17	10	4	2
10850E 9525N	1	27	159	7	17	2
10900E 10300N	1	506	75	7	4	23
10900E 10275N	1	60	21	3	3	2
10900E 10250N	1	27	35	2	3	1
10900E 10225N	1	18	15	3	6	1
10900E 10200N	1	32	39	1	3	1
10900E 10150N	1	19	34	3	7	1
10900E 10125N	1	18	52	3	4	1
10900E 10100N	1	8	10	3	2	1
10900E 10075N	1	62	18	9	103	3
10900E 10050N	3	533	22	5	56	107
10900E 10025N	2	118	20	6	13	31
10900E 10000N	1	12	19	3	3	6
10900E 9975N	1	21	10	9	8	1
10900E 9950N	1	14	32	2	5	1
10900E 9925N	1	25	38	9	12	7
10900E 9900N	1	26	12	6	6	34
10900E 9875N	1	38	17	8	76	3
10900E 9850N	1	36	8913	2	228	7
10900E 9825N	1	6	85	1	10	1

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
10900E 9800N	1	13	69	2	12	1
10900E 9775N	1	23	18	6	6	1
10950E 10325N	9	535	46	4	5	1520
10950E 10300N	1	40	36	11	30	12
10950E 10275N	1	47	20	9	8	1
STD C/AU-S	18	62	43	29	40	48
10950E 10250N	1	46	15	12	5	1
10950E 10225N	1	38	15	9	3	1
10950E 10200N	1	10	20	1	5	31
10950E 10175N	1	19	26	3	4	3
10950E 10150N	1	18	25	2	3	1
10950E 10125N	1	16	21	3	5	1
10950E 10100N	1	22	40	2	5	1
10950E 10075N	1	18	16	6	3	1
10950E 10050N	1	9	16	4	2	5
10950E 10025N	1	30	17	7	5	6
10950E 10000N	1	82	17	7	19	2
10950E 9975N	1	14	23	3	6	1
10950E 9950N	1	11	22	2	2	1
10950E 9925N	1	19	57	6	10	5
10950E 9900N	1	20	144	6	16	3
10950E 9875N	1	51	15	3	11	9
10950E 9850N	2	22	373	2	46	10
10950E 9825N	1	20	90	2	13	1
10950E 9800N	1	9	31	1	3	1
10950E 9775N	1	10	133	2	4	1
10950E 9750N	1	36	50	8	7	2
10950E 9725N	1	27	10	7	4	3
10950E 9700N	2	24	17	1	2	5
11000E 10375N	1	58	20	2	4	3
11000E 10350N	1	46	28	1	3	2
11000E 10325N	2	47	26	16	56	1
11000E 10300N	1	6	6	1	2	2
11000E 10275N	1	32	32	17	20	1
11000E 10250N	1	26	22	1	4	2
11000E 10225N	1	18	26	2	5	1
11000E 10200N	1	13	26	4	2	1

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
11000E 10175N	1	17	16	8	5	1
11000E 10150N	1	20	29	2	6	1
11000E 10125N	1	23	37	2	7	1
11000E 10100N	1	11	25	4	6	1
CHECK SAMPLE	3	1256	28	5	8	74
STD C	19	59	38	28	38	-

SAMPLE#	MO PPM	CU PPM	PB PPM	CO PPM	AS PPM	AU* PPB
PIT ZONE DUMP	1	2160	2227	13	3243	9900

ACME AN ICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCO R B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1 6

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 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: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 13 1987 DATE REPORT MAILED: Oct 26/87 ASSAYER..D. Toye...DEAN TOYE, CERTIFIED B.C. ASSAYER

VANANDA GOLD File # 87-4932

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
9000E 9750N	1	15	16	72	.1	5	3	3682	1.05	14	5	ND	1	185	1	2	2	10	19.12	.085	2	5	.59	129	.01	11	.62	.01	.02	1	3
9750E 9740N	1	65	13	99	.1	41	14	1209	2.96	15	5	ND	3	60	1	2	2	61	6.33	.048	8	50	2.73	116	.11	6	1.92	.02	.06	3	23
9750E 9615N	1	303	16	88	.2	122	35	421	5.09	2	5	ND	1	36	1	2	2	169	.76	.021	2	162	5.13	35	.38	6	4.87	.05	.12	1	43
9750E 9600N	1	168	18	95	.1	92	30	700	4.48	5	5	ND	1	30	1	2	2	145	.54	.036	2	142	3.12	81	.28	9	3.24	.02	.04	2	55
9750E 9590N	1	50	13	49	.1	91	11	266	2.56	3	5	ND	2	17	1	2	2	69	.26	.026	4	177	.77	75	.17	4	1.34	.02	.02	1	23
9760E 9600N	1	14	9	17	.1	19	4	383	1.68	2	5	ND	1	27	2	2	2	53	.38	.010	3	43	.35	54	.11	3	.71	.02	.02	1	5
9890E 9750N	1	17	19	81	.1	17	6	1050	2.52	6	5	ND	1	22	1	2	2	55	.63	.031	4	34	.63	46	.13	5	1.81	.02	.02	1	1
9900E 9725N	1	28	20	42	.1	19	7	293	2.99	3	5	ND	2	22	1	2	2	56	.53	.010	7	37	.61	43	.13	6	2.10	.02	.02	1	85
9900E 9760N	1	37	24	71	.1	15	7	2973	2.76	8	5	ND	2	93	1	2	2	53	8.39	.048	5	28	1.32	102	.10	5	1.80	.04	.03	1	31
9900E 9775N	1	21	24	89	.1	12	7	1254	4.28	9	5	ND	4	32	1	2	2	56	1.81	.038	10	24	1.23	65	.13	9	2.56	.02	.04	3	20
9910E 9750N	1	19	26	66	.1	8	8	452	2.41	6	5	ND	4	44	1	2	2	42	2.31	.021	8	19	1.39	45	.13	3	2.84	.04	.04	1	245
10040 9850N	1	26	48	400	.3	5	6	10457	3.41	32	5	ND	1	121	2	2	2	31	10.82	.336	8	24	1.13	259	.04	8	1.92	.01	.03	2	4
10050 9860N	1	29	34	173	.2	17	7	1711	2.88	29	5	ND	3	73	2	2	2	37	5.44	.102	7	24	2.07	98	.05	7	1.45	.01	.05	1	4
10050 9850N	1	30	98	525	.3	8	6	1573	4.98	47	5	ND	3	41	1	2	2	61	1.37	.140	6	17	1.99	71	.09	6	2.87	.02	.03	2	78
10050 9840N	1	12	16	89	.1	11	3	894	1.59	9	5	ND	1	18	2	2	2	28	.31	.124	4	22	.23	49	.07	3	.82	.01	.01	1	5
10060 9850N	2	24	36	281	.5	3	3	9745	1.24	15	5	ND	1	280	1	2	2	9	18.12	.197	3	6	.22	214	.02	15	.78	.01	.03	2	1
10190 9800N	1	43	45	178	.7	23	7	3162	3.01	18	5	ND	3	96	2	2	2	48	5.19	.275	5	46	1.86	121	.03	4	2.58	.01	.02	2	2
10200 9800N	1	31	26	85	.2	19	7	1031	2.41	11	5	ND	3	35	1	3	2	51	1.84	.055	6	36	.83	71	.11	6	2.32	.02	.03	1	39
10200 9790N	4	46	31	114	.1	34	13	1283	5.95	30	5	ND	2	30	1	2	2	67	.68	.113	6	41	3.22	44	.04	6	2.60	.01	.01	1	2
10210 9800N	2	40	39	123	.3	33	12	1149	4.73	46	5	ND	3	26	1	2	3	62	.86	.115	6	41	3.45	51	.03	4	3.18	.01	.02	1	2
STD C/AU-S	18	60	42	130	7.3	66	28	1039	3.83	40	20	7	38	51	18	17	22	59	.46	.091	38	63	.87	177	.08	37	1.77	.06	.13	12	52

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

GEOCHEMICAL/ASSAY 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 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: Rock Chips AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: OCT 13 1987 DATE REPORT MAILED: Oct 26/87 ASSAYER. D Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

VANANDA GOLD File # 87-4932A Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM	AU** OZ/T
FS87-1-5	5	1155	6	32	2.3	20	13	1262	17.76	115	5	ND	3	2	1	2	2	10	18.14	.001	2	4	.06	3	.01	2	.18	.01	.01	4	.004
FS87-1-6	2	278	10	38	.9	26	10	1016	8.95	66	5	ND	4	58	6	3	2	51	12.10	.034	2	37	.22	11	.22	10	1.05	.09	.02	19	.003
FS87-1-7	1	1355	5	48	.7	60	33	227	6.93	31	5	ND	2	90	1	2	2	85	1.91	.044	2	64	.26	17	.39	6	1.58	.23	.02	1	.002
FS87-1-8	2	30322	5	465	38.8	20	72	814	13.44	55	5	ND	2	27	4	2	2	19	11.49	.033	2	14	.19	2	.04	2	.45	.01	.01	7	.097
FS87-1-9A	22	811	10	125	2.0	70	75	2232	42.70	134	5	ND	6	30	1	14	2	32	5.26	.025	2	51	.23	49	.09	24	.37	.01	.02	1	.004
FS87-1-9B	25	573	12	133	2.0	25	44	2227	49.23	172	5	ND	6	22	1	4	2	24	3.16	.015	2	30	.18	71	.02	30	.17	.01	.03	1	.006
FS87-1-10	1	296	2	75	.7	15	21	493	4.22	13	5	ND	4	392	3	3	2	149	3.68	.161	4	20	1.52	108	.26	10	4.93	.38	.30	1	.004
FS87-1-11	1	62	2	57	.3	12	12	480	4.36	10	5	ND	3	349	1	2	2	139	3.14	.153	5	26	1.53	33	.23	4	3.73	.63	.13	1	.003
FS87-1-12A	1	110	2	23	.3	24	10	246	1.62	18	5	ND	2	83	1	2	2	64	1.99	.037	2	48	.30	17	.43	2	1.22	.12	.06	3	.002
FS87-1-12B	1	371	2	46	.9	44	34	308	3.24	25	5	ND	3	117	3	6	2	75	2.15	.049	2	78	.64	17	.41	6	1.67	.26	.04	8	.004
FS87-1-13A	1	1118	10	60	1.8	28	31	1053	19.95	22	5	ND	3	89	3	2	11	39	4.34	.007	2	9	1.19	2	.02	2	.83	.01	.01	1	.004
FS87-1-13B	1	729	2	22	1.0	11	7	1250	4.54	34	5	ND	1	59	3	2	2	31	10.53	.007	2	7	.49	2	.01	3	.53	.01	.01	4	.003
FS87-1-18	1	15945	12	756	29.3	15	310	700	19.58	201	5	27	4	11	10	2	3	10	2.05	.002	2	8	.21	2	.01	2	.34	.01	.01	1	.692
FS87-1-19	3	2241	9	103	3.0	32	141	1137	13.07	158	5	ND	2	31	3	4	2	64	8.21	.029	2	54	.49	4	.29	4	1.10	.03	.04	9	.013
FS87-1-20	2	226	2	55	.6	4	7	773	2.02	35	38	ND	1	531	1	2	2	37	24.07	.068	2	4	.74	70	.10	12	1.57	.14	.10	2	.005
FS87-2-21	1	2448	4	14948	2.4	2	14	717	15.56	281	5	ND	2	24	175	2	2	10	1.45	.005	2	7	.46	15	.02	2	.53	.01	.02	2	.008
FS87-2-22	1	4195	6	24286	2.8	4	25	530	16.09	222	5	ND	3	13	256	2	3	8	1.23	.006	2	9	.69	6	.01	6	.79	.01	.02	1	.019
FS87-2-23A	4	16181	8	1747	30.7	8	54	1797	10.04	113	5	26	1	10	27	3	2	25	11.74	.011	2	9	.30	2	.02	2	.87	.01	.01	5	.526
FS87-2-23B	4	8782	4	372	10.0	6	82	1722	10.54	153	5	4	1	5	6	2	2	22	9.11	.012	2	7	.16	2	.01	2	.45	.01	.01	2	.219
FS87-2-26	1	4960	8	50955	1.6	2	13	312	17.80	358	5	ND	2	68	619	2	10	44	.18	.006	2	5	.63	6	.01	5	1.23	.01	.05	48	.011
FS87-2-27	3	577	3	605	.6	7	7	1446	6.07	29	5	ND	2	63	12	3	2	27	13.35	.020	2	26	1.65	86	.08	2	1.83	.03	.24	2	.005
FS87-2-28	5	9155	6	412	10.2	7	30	1033	12.74	154	5	ND	1	2	8	2	2	7	13.89	.009	2	10	.24	3	.01	2	.30	.01	.01	55	.061
FS87-2-30	1	284	2	799	.5	6	12	603	3.42	22	5	ND	4	130	8	2	2	70	1.63	.076	5	15	2.34	78	.18	11	2.46	.16	.40	1	.002
FS87-3-24	1	225	6	203	.3	3	7	1540	5.34	26	5	ND	3	29	3	2	2	28	6.09	.051	5	10	1.95	16	.07	2	1.34	.03	.02	3	.071
FS87-3-25	10	353	3	185	.2	9	12	525	3.64	13	5	ND	2	38	1	2	2	69	.77	.040	3	17	2.37	58	.18	2	2.53	.05	.28	1	.003
FS87-3N-29	3	396	17	970	1.2	9	14	6251	6.25	19	5	ND	2	122	31	2	2	86	8.84	.186	8	16	3.02	281	.13	8	4.69	.03	.31	1	.005
FS87-4-31	1	1945	7	5304	1.8	4	4	135	6.29	223	5	ND	1	8	74	2	2	9	.23	.007	2	3	.21	26	.02	2	.35	.01	.04	5	.010
FS87-4-32	1	1288	8	6737	.8	2	7	597	16.02	165	5	ND	3	16	85	2	3	17	1.04	.009	2	6	.26	23	.01	2	.46	.01	.03	3	.004
FS87-4-33A	1	4190	9	30435	2.3	3	12	556	18.08	262	5	ND	3	9	352	2	12	38	.50	.013	2	7	2.14	10	.01	2	1.85	.01	.02	1	.017
FS87-4-33B	1	877	7	3192	.9	2	4	144	13.42	249	5	ND	2	3	35	2	4	7	.26	.001	2	4	.22	15	.01	3	.30	.01	.01	2	.006
FS87-4-34A	4	1523	2	4136	.6	9	18	1809	5.37	37	5	ND	3	57	19	2	2	71	3.25	.073	4	16	3.56	60	.14	2	3.18	.05	.19	11	.004
FS87-4-34B	1	15940	14	6345	16.1	7	22	943	5.46	57	5	4	3	19	63	2	2	15	4.20	.015	4	16	2.60	9	.04	5	1.02	.01	.02	14	.180
FS87-4-34C	6	21258	15	1578	24.4	3	27	900	13.99	67	5	7	3	21	15	3	2	4	15.52	.001	6	10	.25	3	.01	2	.17	.01	.01	113	.293
FS-4-SENTINAL	1	1071	15295	9302	16.0	1	1	267	.24	62	7	ND	1	123	145	389	6	2	20.00	.006	2	1	11.86	1	.01	3	.09	.01	.01	1	.002
GRAB FS87-1-14	4	19268	24	383	23.2	32	140	169	8.64	16	5	ND	2	87	2	2	2	50	1.11	.029	2	46	.37	20	.21	5	.99	.06	.05	1	.011
GRAB FS87-1-15	8	6890	185	182	9.1	57	121	183	11.12	22	5	ND	3	89	3	6	2	51	1.44	.062	2	71	.33	9	.41	4	.75	.05	.03	1	.002
STD C	19	61	37	133	7.4	67	28	1035	3.81	40	20	7	40	50	17	17	21	59	.47	.088	38	63	.87	178	.08	37	1.78	.06	.13	13	-

- ASSAY REQUIRED FOR CORRECT RESULT for Cu, Pb > 10,000 ppm
Zn > 20,000 ppm

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN 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 %	B PPM	AL %	NA %	K %	W PPM	AU** OZ/T
GRAB FS 87-1-16	1	23516	10	378	22.7	28	249	57	20.37	22	5	ND	4	6	4	2	3	7	.24	.010	2	8	.05	2	.03	2	.13	.01	.01	1	.004
GRAB FS 87-2-17	1	1753	5	27473	.7	2	15	132	11.44	182	5	ND	2	3	322	2	2	4	.27	.005	2	7	.17	4	.01	5	.15	.01	.01	1	.006
MANTO #1	3	282	14	14	.7	1	3	421	.19	3	7	ND	3	512	1	3	2	2	48.14	.002	2	1	.17	1	.01	4	.06	.01	.01	1	.001
MANTO #2	3	38	33	896	1.0	1	1	5110	.17	15	5	ND	4	601	4	7	2	4	47.86	.001	2	1	.14	1	.01	2	.01	.01	.01	1	.002
MANTO #3	3	2956	87	84673	21.6	1	5	2192	13.46	526	5	6	1	156	1067	2	2	4	10.23	.001	2	8	.08	2	.01	4	.01	.01	.01	1	.280
MANTO #4	1	2133	100	29129	15.3	1	25	1082	18.02	1272	5	ND	3	33	225	7	2	3	2.71	.001	2	1	.05	1	.01	2	.01	.01	.01	1	.220
MANTO #5	3	1869	124	32408	15.5	1	28	1163	17.62	967	5	2	2	44	255	5	2	2	2.66	.001	2	2	.05	1	.01	2	.01	.01	.01	1	.197
MANTO #6	1	3995	134	86410	21.6	1	17	995	17.81	1192	5	ND	2	22	902	3	4	2	1.58	.001	2	1	.02	1	.01	2	.03	.01	.01	1	.237
STD C	18	58	37	129	7.3	68	28	1030	3.84	39	19	7	39	51	19	18	22	60	.46	.087	39	58	.88	176	.08	37	1.81	.06	.14	13	-

ADDITION TO GEOLOGIC REPORT TEXADA ISLAND PROPERTY

by J.L. Hardy, Nimbus Management Ltd., Feb., 1988

The exploration program described in this report is part of an ongoing project involving additional mapping, rock chip and soil sampling, diamond drilling and S.P. surveying. The present results, however, enable some preliminary conclusions as follows.

1. Areas of Detailed Mapping

Significant untested potential both for Au-Cu veins and skarn-type deposits remains in the area of the Little Billie, Cornell and Little Billie gravity anomaly. The present mapping program has re-discovered old workings, as well as areas of bleaching and garnetite for which detailed sampling is recommended. Areas of brecciation in the area of the Little Billie will require more detailed mapping as well as sampling.

2. Florence/Security Area: Trenching, Detailed Mapping, Rock Chip Sampling

The trenching program exposed an area over 700m of highly prospective ground in the area of the Florence/Security old showings and workings. A total of 176 rock chip samples were collected as shown in Figure 6. Best results obtained were: 1.2m of 0.692 oz/ton Au, 29.3 ppm Ag, 15,945 ppm Cu; 1.5m of 0.180 oz/ton Au, 16.1 ppm Ag, 15,940 ppm Cu; and o.9m of 0.243 oz/ton Au, 23.6 ppm Ag, 18,242 ppm Cu. Significant gold colours were present in several panned samples which yielded negligible gold on assay, suggesting a possible metallic gold nugget effect. Additional sampling will be required to resolve this potential problem.

3. Vananda Grid Soil Samples

Soil sample highs up to 3300 ppb Au with 10,651 ppm Cu, 1090 ppb Au with 4823 ppm Cu and 1590 ppb Au with 535 ppm Cu are present in several areas of the grid. While ground truthing is as yet not complete, these results suggest significant potential in areas not known to be previously prospective.

4. S.P. Surveying

Station spacings ranged from 10 to 20 m on lines spaced at 100m. Results as yet are very incomplete; broad but well-defined anomalies appear to be present, trending roughly north-south from anomalous ground owned by others to the west of the Vananda Gold claim boundary. Infill has been completed to cover all of Vananda Gold's ground from Priest Lake in the west to Dismal Swamp in the east. A discrete anomaly on line 2+00N, 3+50W lies wholly within the Karmutsen Group volcanics yet contains limestone as (?) possible cavern infill.

data?

5. Diamond Drilling

One hole has been drilled to date to an approximate 25m depth. Extremely high sulphide in some sections has created core recovery problems. This has necessitated several shut downs in an attempt to experiment with more favourable bits. When these are obtained, the hole will be deepened to machine limit. To date the hole has intersected several sections of massive pyrite with up to 4% chalcopyrite and intervals of coarsely crystalline white marble. Final logging awaits hole completion.

NOT COMPILED ON BASEMAP AT THIS TIME

S.P. SURVEY

VANITNDA GOLD
FEB 28/88

START

BASE STATION ON TURTLE LAKE RD.		=	0
	St. #2	=	-25
FLORENCE BASELINE	0+00	=	0
	0+46N	=	0
	0+60	=	+8
	0+80	=	-15
	1+00	=	-2
	1+20	=	-9
	1+40	=	-9
	1+60	=	-2
	1+80	=	-10
	2+00	=	-10
	2+20	=	-5
(SULPHIDES IN PIT FS87-2-23B -90)	2+40	=	-12
	2+60	=	0
	2+80	=	-2
	3+00	=	-6
	3+20	=	-5
	3+40	=	-15
	3+60	=	-23
	3+80	=	-35
	4+00	=	+10
	4+20	=	-10
	4+40	=	-10

BASE STATION	1+80N	=	0
(TO SULPHIDES IN PIT FS87-2-23B -105)	1+80N/0+10W	=	+30
	0+20W	=	+2
	0+30W	=	-2
	0+40W	=	-7

SP SURVEY

(FROM B.S. 1+80N)	1+80N /	0+50	= -5
		0+60	= -2
		0+70	= 0
		0+80	= -20
		0+90	= -18
		1+00	= -15
	2+00N /	0+10W	= -9
		0+20W	= -30
		0+30W	= 0
		0+40W	= -22
		0+50W	= -5
		0+60W	= -20
		0+70W	= -15
		0+80W	= -10
		0+90W	= -9
		1+00W	= +5
	2+20N /	0+10W	= -19
		0+20W	= -20
		0+30W	= -20
		0+40W	= -10
		0+50W	= -25
		0+60W	= -17
		0+70W	= -17
		0+80W	= -15
		0+90W	= -7
		1+00W	= 0
	2+40N /	0+10W	= -32
		0+20W	= -25
(ON TO SKARN LEDGE FS87-2-119 = -35)		0+30W	= -20
		0+40W	= -20

(FROM B.S. 1+80N)	2+40N/	0+50W =	-20
		0+60 W =	-18
		0+70 W =	-12
		0+80 W =	-15
		0+90 W =	+1
		1+00 W =	0
BASE STATION	2+60N/	B.L. =	0
		0+10W =	0
		0+20W =	-2
		0+30W =	-5
		0+40W =	-8
		0+50W =	-6
		0+60W =	-10
		0+70W =	0
		0+80W =	-10
		0+90W =	+9
		1+00W =	+1
	2+80N/	0+10 W =	
		0+20W =	-5
		0+30W =	-15
		0+40W =	0
		0+50W =	-11
		0+60 W =	-10
		0+70 W =	-15
		0+80 W =	-12
		0+90 W =	-12
		1+00 W =	0
	3+00N/	0+10 W =	+7
		0+20 W =	0

(FROM B.S. 2+60 N.) 3+00 N / 0+30 W = 0

FLORENCE SHAFT 0+40 W = -27

	0+50 W	-35
	0+60 W	-8
	0+70 W	0
	0+80 W	-17
	0+90 W	-17
	1+00 W	-20
BASE STATION	3+00 N / 0+70 W	0
	0+80 W	-11
	0+90 W	-17
	1+00 W	-12
	1+10 W	-18
	1+20 W	-9
	1+30 W	-9
OLD TRENCHES PARALLELING LINE	1+40 W	+5
	1+50 W	0
	1+60 W	-5
IN VOLCANICS	1+70 W	+6
	1+80 W	+22
	1+90 W	?
	2+00 W	-3
EDGE DISMAL SWAMP	2+10 W	+25
	2+20 W	+1
	2+30 W	+10
	2+40 W	-5
	2+50 W	+15
	2+60 W	+15
	2+70 W	0
	2+80 W	+18

(FROM B.S. 3+00N/0+70W)	3+00N/2+90 W =	0	
	3+00 W =	+1	
	3+10 W =	+1	
	3+20 W =	0	
	3+30 W =	+20	
	3+40 W =	+5	
	3+50 W =	-10	
	3+60 W =	-18	
OLD PIPELINE - ROCKY BLUFF	3+70 W =	-20	
	3+80 W =	+7	
(4+00W ON OLD L. 3N)	3+90W =	+15	
	4+00W =	+8	
	4+10W =	+9	
	4+20W =	0	
(4+50W ON OLD L3N)	4+30W =	-11	
	4+40 W =	-3	
	4+50 W =	-40	
	4+60 W =	-42	
	4+70 W =	-15	
	4+80 W =	-40	
BASE STATION (-40)	4+80 W =	0	-40
	4+90W =	-5	-45
	5+00W =	+20	-20
	5+10W =	+20	-20
	5+20W =	+20	-20
	5+30W =	+25	-15
	5+40W =	+15	-25
(5+75W ON OLD L3N)	5+50W =	+10	-30
	5+60W =	-11	-51
	5+70W =	-52	-92
	5+80 W =	-40	-80

(FROM B.S. 3+00N/4+80W) (-40)	3+00N/5+90W =	-75	-115
	6+00 W =	-65	-105
	6+10 W =	-17	-57
	6+20 W =	-8	-48
	6+30 W =	0	-40
	6+40 W =	+10	-30
	6+50 W =	0	-40
TURN WEST ONTO RHY. L390S at 60E			
	L390S/45E =	+12	-28
	30E =	0	-40
	15E =	-10	-50
NORTH ON RHY BASELINE (RHY. SP = -34)	BL. 390 =	-12	-52
(" = -71)	360S =	-50	-90
(" = -55)	330S =	-45	-85
(" = -65)	300S =	-45	-85
?	270S =	-35	-75
V.G. 4+00N CROSSES B.L. at 267 S	6+40		
TURN E. to 45° DOWN 4+00N	4+00N/6+30W =	-50	-90
	6+20W =	-45	-85
(RHY. 240S/30E = -40)	6+10W =	-35	-75
	6+00W =	-42	-82
	5+90W =	-42	-82
BASE STATION (-82)	4+00/N 5+90W =	0	-82
	5+80 W =	-8	-90
	5+70W =	0	-82
	5+60 W =	+5	-77
	5+50 W =	0	-82
	5+40 W =	+27	-55
	5+30 W =	+23	-59
	5+20 W =	+18	-64

S.P. SURVEY page 7.

(FROM B.S. 4+00N / 5+90W) (-82)	4+00N / 5+10W	= -15	-97
	5+00W	= +5	-77
(TURN TO 135° - EAST)	3+80 N / 5+00W	= -10	-92
	3+60 N / "	= -16	-98
	3+45 N / "	= -30	-112
	3+20 N / "	=	
BASE STATION (-82)	4+00N / 5+90W	= 0	-82
(CLAIM POST NE CORNER YEN)	3+80 N / 5+30W	= -20	-102
(ON V.G. GROUND)	3+55 / 5+30W	= -200	-282
	3+60N / "	= -129	-211
	3+40N / "	= -27	-109
	3+20N / "	= 0	-82
(L3+00N OLD GRID)	3+00 N / "	= +20	-62
→	2+80 N / "	= +50	-32
(OLD L3N/5+50W IS 5M W.)	2+80N / 5+40W	= +50	-32
	3+00N / "	= +30	-52
	3+20N / "	= +8	-74
	3+40N / "	= -7	-89
(CROSS RHY. BOUNDARY AT 3+55N)	3+60N / "	= -5	-87
	3+80N / "	= +45	-37
	3+80N / 5+50W	= +22	-60
	3+60N / "	= +16	-66
(CROSS RHY. BOUNDARY)	3+40N / "	= -31	-113
	3+20N / "	= +40	-42
	3+00N / "	= +45	-37
(OLD L3N/5+50W IS 5 M E.)	2+80N / "	= +50	-32
	2+80N / 5+20W	= +75	-7
	3+00N / 5+20W	= +3	-79
	3+20N / "	= +15	-67

(FROM B.S. 4+00N/5+90W) (-82)	3+40N/ 5+20W	=	-3	-85
	3+60N/ "	=	-55	-137
	3+80N/ "	=	-50	-132
	4+00N/ "	=	+18	-64
	3+80N/ 5+10W	=	-41	-123
	3+60N/ "	=	0	-82
	3+40N/ "	=	+32	-50
	3+20N/ "	=	+25	-57
	3+00N/ "	=	+68	-14
	2+80N/ "	=	+45	-37
	2+80N/ 5+00W	=	+45	-37
	3+00N/ "	=	+2	-80
	3+20N/ "	=	-5	-87

BASE STATION (-30) 3+00N/5+50				=	0	-30
(ON OLD LOGGING RD)	123°	-20M.	st.# 1	=	+6	-24
(all in volcanics)	106°	-40M.	st.# 2	=	+20	-10
	106°	-60M	" 3	=	+20	-10
	113°	-80M	" 4	=	+21	-9
(CROSS L2N/5+43W)	127°	-100	" 5	=	+25	-5
	133°	-120	" 6	=	+20	-10
	131°	-140	" 7	=	+45	+15
	93°	-160	" 8	=	+40	+10
	96°	-180	" 9	=	+37	+7
(ON L1N at 5+00W)	143°	-200M	" 10	=	+33	+3
1/s	147°	-220M	" 11	=	+35	+5
	155°	-240M	" 12	=	+45	+15
	168°	-260M	" 13	=	+33	+3
	187°	-280M	" 14	=	+45	+15
	167°	-300M	" 15	=	+45	+15

(FROM B.S. 3+00N/5+50W) (-30)						
	156°	-320 M	St. # 16	=	+50	+20
	126°	-340	" 17	=	+40	+10
(350M CROSS LON at 5+80W)	108°	-360M	" 18	=	+40	+10
	108°	-380M	" 19	=	+50	+20
	128°	-400M	" 20	=	+50	+20
(CREEK 15M SE)	120°	420M	" 21	=	+45	+15
	70°	440M	" 22	=	+50	+20
BASE STATION (+15)			St # 21	=	0	+15
	70°	-440 M	St. 22	=	+7	+22
	70°	-460 M	" 23	=	+22	+37
	72°	-480 M	" 24	=	-8	+7
	75°	-500 M	" 25	=	-8	+7
(CREEK at 515M BEARING 345°)	77°	-525 M	" 26	=	0	+15
	96°	-540 M	" 27	=	-8	+7
	80°	-560 M	" 28	=	-8	+7
	40°	-580 M	" 29	=	0	+15
	25°	-600 M	" 30	=	0	+15
(END OF LOGGING ROAD)	354°	-620 M	" 31	=	+15	+30
(still volcanics)	180°	-550 M	" 32	=	-10	+5
	180°	-20 M	" 33	=	0	+15
(broken volcanics)	180°	-40 M	" 34	=	-13	+2
	"	-60 M	" 35	=	-12	+3
(broken grey limestone)	"	-80 M	" 36	=	-20	-5
(TOP WHITE MARBLE BLUFF)	"	-100 M	" 37	=	-25	-10
"	"	-120 M	" 38	=	-20	-5
"	240°	-140 M	" 39	=	-23	-8
	"	-160 M	" 40	=	-25	-10

(FROM B.S. #21)	240° - 180M	st. 41 = -50	-35
(+15)	" - 190 M	" 42 = -25	-10
	" - 200 M	" 43 = -18	-3
	" - 220 M	" 44 = -18	-3
	" - 240 M	" 45 = -22	-7
	" - 250 M	" 46 = -23	-8
	232° - 270 M	" 47 = -18	-3
	240° - 290 M	" 48 = -10	+5
	" - 310 M	" 49 = -15	0
	" - 330 M	" 50 = -12	+3
(LINE DOWN S. SIDE CREEK IN VOLC.) TOWARDS PRIEST LAKE	240° - 30 M (between # 33 & # 34)		
	to 20 M	st. 51 = 0	+15
	214° to 40 M	" 52 = 0	+15
	230° 60 M	" 53 = 0	+15
	230° 80 M	" 54 = 0	+15
	270° 100 M	" 55 = 0	+15
	250° 120 M	" 56 = 0	+15
	248° 140 M	" 57 = +10	+25
	180° 160 M	" 58 = +2	+17
	220° 180 M	" 59 = 0	+15
	220° 200 M	" 60 = -2	+13
	270° 220 M	" 61 = 0	+15
	290° 240 M	" 62 = +5	+20
	280° 260 M	" 63 = 0	+15
(OLD WOOD DAM)	294° 280 M	" 64 = -10	+5
	235° 290 M	" 65 = 0	+15

(250M DUE W. to ROAD AT PRIEST LAKE)

FROM BASE ST #7 = +10
GOING WEST

BL 4+00 N	= +10 = 0	
20	= +2	
40	= -27	
60	= -72	
80	= -35	
100	= -22	
120	= -14	
140	= -10	
160	= +10	BOTTOM OF CLIFF
180	= +20	
200	= +5	
220	= +10	
240	= +10	
260	= 0	
280	= -50	VOL. PORPH.
300	= -32	
320	= 0	
340	= -5	
360	= 0	← PIPELINE
380	= -75	CLIFF AREA
400	= -110	CLIFF AREA
420	= -69	CLIFF AREA
440	= +53	(crossed out)
460	= +40	(crossed out)
480	= -45	(crossed out)
500	= +2	(crossed out)

BL 5+00 N	= -30 = 0	
10	= -20	
20	= -35	
30	= -55	NEAR SHAFT AREA
40	= -24	NEAR SHAFT AREA
50	= -16	
60	= -2	
70	= +12	
80	= -20	
100	= -30	
120	= -15	
140	= -28	
160	= -10	
180	= -12	
200	= -15	
220	= -16	
240	= -12	
260	= -10	
280	= -16	
300	= -0	SWAMP AREA
320	= +8	SWAMP AREA
340	= -15	CLIFF AREA
360	= -60	CLIFF AREA
380	= -40	CLIFF AREA
400	= -20	

FROM BASE ST #7 = +10
GOING WEST

BL 6+00 N = -15 = 0		BL 7+00 N = -25 = 0	
10 = -14		10 = -17	
20 = -15		20 = -5	
30 = -21		30 = -5	
40 = -36		40 = +3	
60 = -27		50 = -15	
80 = -25		60 = -3	
100 = -35		80 = -11	
120 = -12		100 = -47	
140 = -25		120 = -27	
160 = -24	SWAMP AREA (160–220)	130 = -43	CONTINUATION OF TRENCH #10? (130–160)
180 = -5		140 = -165	
200 = -30		150 = -95	
220 = -10		160 = -40	
240 = -11		180 = -33	
260 = -25		200 = -23	SWAMP AREA (200–260)
280 = -20	CLIFF AREA (280–380)	220 = -5	
300 = -40		240 = -5	
320 = -50		260 = -7	
340 = -43		280 = -26	CLIFF AREA (280–420)
360 = -55		300 = -15	
380 = -30		320 = -33	
		340 = -50	
		360 = -56	
		380 = -40	
		400 = -24	
		420 = -33	

FROM BASE ST. #1 = 0
GOING WEST

LINE 0+00	LINE 1+00	LINE 2+00
ST. 0 = 0	ST. 0 = 0	ST. 0 = 0
20 = 0	20 = 0	10 = +11
40 = -5	40 = -29	20 = +8
60 = 0	50 = -30	30 = +18
80 = 0	60 = -10	40 = 0
100 = 0	80 = 0	60 = +5
EAST SIDE OF SWAMP	100 = -10	80 = 0
	110 = 0	100 = 0
	120 = +18	120 = +4
	EAST SIDE OF SWAMP	140 = +12
		EAST SIDE OF SWAMP

FROM BASE ST. #4 = -40
GOING EAST

LINE 2+00

160		SWAMP AREA
180		
200		
220		
240	= +7	
250	= -4	
260	= -50	
270	= -28	CREEK
280	= -25	
300	= -23	
320	= -36	
340	= -50	
350	= -151	CREEK NOTE EXPOSURE OF MARBLE IN CREEK
360	= -88	
380	= -20	
400	= -32	
420	= -19	
440	= -23	
460	= -18	
480	= -2	
500	= -12	

FROM BASE ST # 6 = -30

GOING WEST

LINE 2+60 BASE ST # 11 = +25 = -5 = 0

520 = -14
540 = -15 ROAD
560 = -15
580 = +4
600 = -19
620 = -25
640 = -30
660 = -25 E. SIDE OF SWAMP
680 = -33 W. " " "
700 = -26
720 = -27 EDGE OF SWAMP NEAR HWY

FROM BASE ST. #11 = +25 - = -5 = 0
GOING EAST

LINE 1+00 SWAMP 40 m WIDE

160 = +15	WEST SIDE OF SWAMP	
180 = +4		
200 = +13		
220 = -5		
240 = -5		
260 = +3		
280 = +4	← CREEK	
300 = +6		
320 = +2		
340 = +10	← CREEK	
360 = -5	PIPELINE	
380 = -5		CLIFF (380–440)
400 = -1		
420 = +1		
440 = -5		
460 = -5		
480 = -5		

BASE [illegible] " = +20 = -5 = 0

GOING WEST

LINE 1+00

500 = -1 ROAD

520 = -8

540 = -17

560 = -16

580 = -5 ← SWAMP

600 = -13

620 = -18 S. END OF A SWAMP

640 = -27

660 = -24

680 = -31

700 = -30

720 = -25 NEAR HWY.

BASE ST.# 11 = +25 = -5 = 0

GOING WEST

LINE 0+00

580 = +10

600 = -20

620 = -9

640 = -12

680 = +3

700 = -5

720 = -5

740 = -14

760 = -2

780 = +28 EDGE OF CREEK NEAR HWY.

BASE ST. #12 = +15 = +10 = 0
GOING EAST

LINE 0+00

120 =

140 =

160 = W. SIDE OF SWAMP ↑

180 = +45

200 = +30

220 = +37

240 = +35

260 = +22

280 = +10

300 = +25

320 = +5

340 = +25

360 = +26 ← CREEK

380 = +29

400 = +37 ← PIPELINE

420 = +31

440 = +23

460 = +22

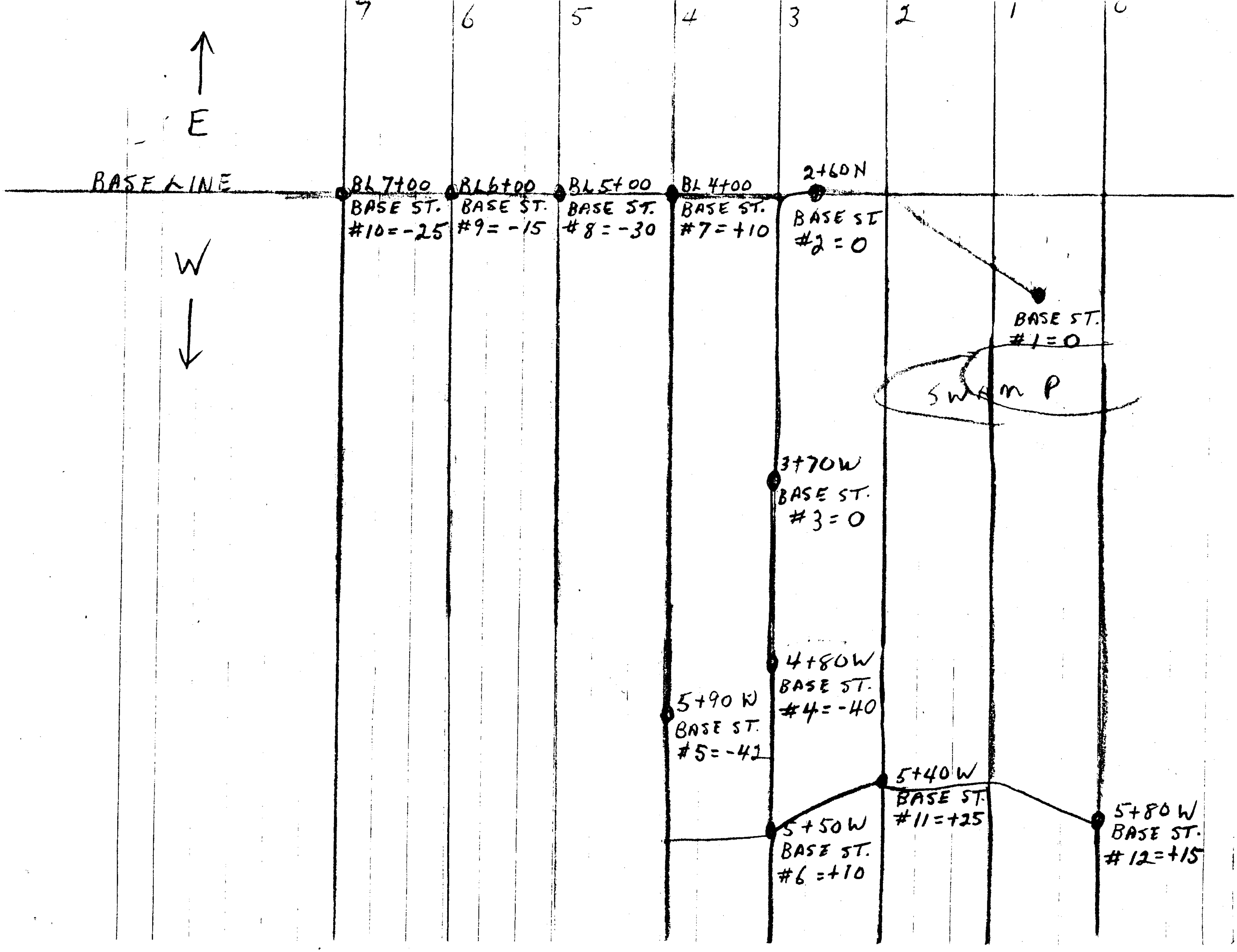
480 = +25

500 = +38

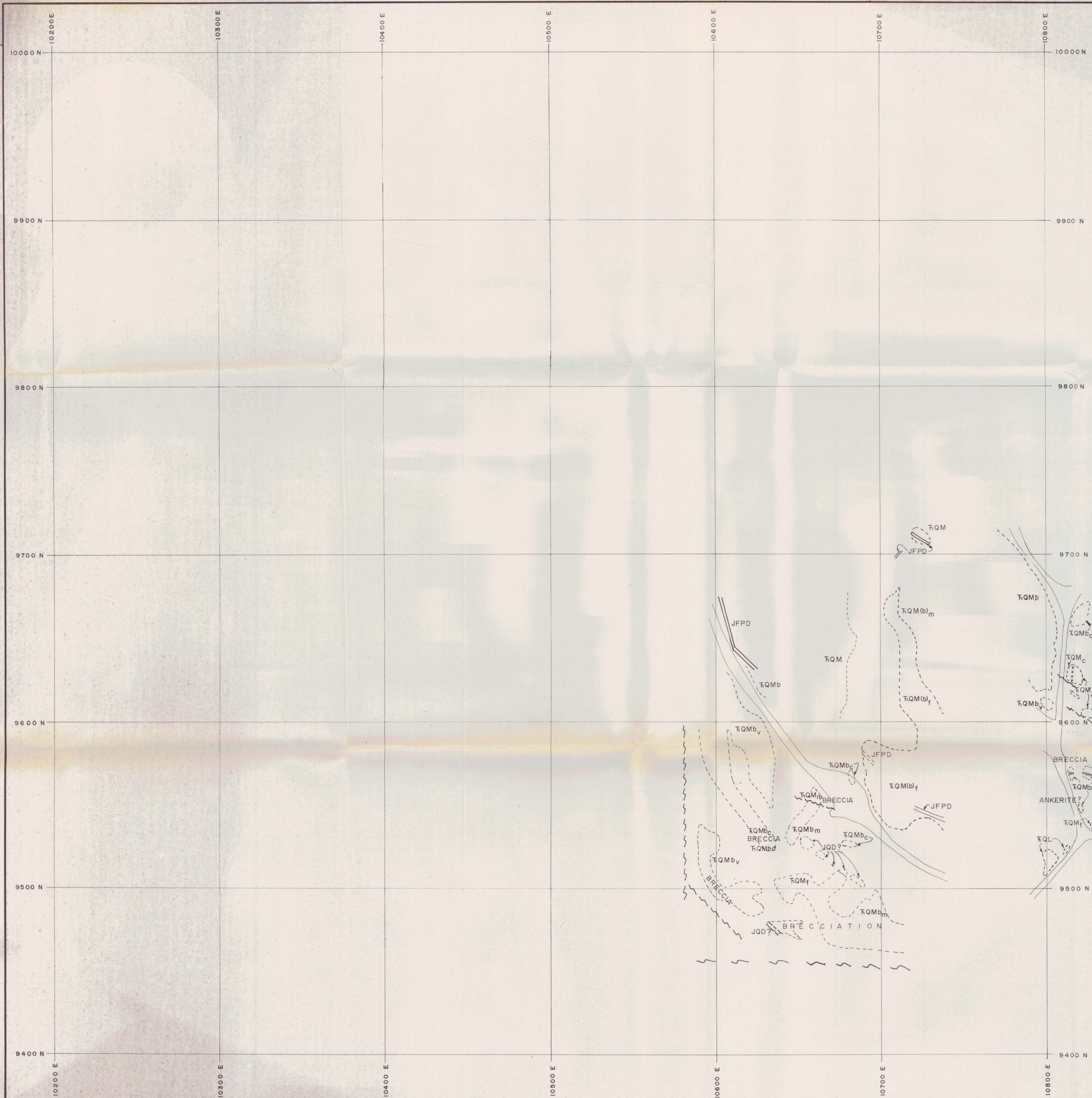
520 = +10 ← DACITE DYKE

540 = +25

560 = +17



7
6
5
4
3
2
1
0
E
W
BASE LINE
BL 7+00
BASE ST.
#10=-25
BL 6+00
BASE ST.
#9= -15
BL 5+00
BASE ST.
#8 = -30
BL 4+00
BASE ST.
#7=+10
2+60 N
BASE ST
#2 = 0
BASE ST.
#1=0
SWAMP
3+70 W
BASE ST.
#3 = 0
4+80 W
BASE ST.
#4= -40
5+90 W
BASE ST.
#5= -41
5+40 W
BASE ST.
#11=+25
5+50 W
BASE ST.
#6 =+10
5+80 W
BASE ST.
#12=+15



LEGEND

RECENT

- Qal — Recent Sediments

JURASSIC

MIDDLE TO UPPER JURASSIC – ISLAND INTRUSIONS

- JD — DIORITE
- JHPD — PORPHYRITIC HORNBLENDE DIORITE
- JFPD — FELDSPAR PORPHYRY DIORITE
- JQD — QUARTZ DIORITE

TRIASSIC

UPPER TRIASSIC – QUATSINO (MARBLE BAY) LIMESTONE

- T̄QL — LIMESTONE — Dark grey to black, massive
- T̄QM — MARBLE — Dark to pale grey, banding rare
- T̄QMb — BLEACHED MARBLE — Ivory to white
- T̄QMbd — BLEACHED MARBLE — Dolomitized

UPPER TRIASSIC AND OLDER – KARMUTSEN VOLCANICS

- T̄KB — PILLOW BASALT — Related breccia & tuff
- T̄KFa — FLOW BASALT — Amygdaloidal
- T̄KC — CALCARENITE

MINERALIZATION

- SKcs — CALC SILICATE SKARN
- SKs — SULPHIDE SKARN

QV QUARTZ VEIN PY PYRITE CPY CHALCOPYRITE
BO BORNITE PO PYRRHOTITE ZnS SPHALERITE

SYMBOLS

- GEOLOGIC CONTACT DEFINED, APPROXIMATE, ASSUMED
- FAULT DEFINED, APPROXIMATE, ASSUMED
- LIMIT OF OUTCROP
- CLIFF DEFINED, APPROXIMATE
- DRILLHOLE
- SURVEY MONUMENT
- SHAFT, PIT
- ADIT
- TRENCH
- TRACK, TRAIL, ROAD
- SAMPLE SOIL, ROCK
- SHORELINE DEFINED, APPROXIMATE

GRID NORTH 315° AZ.

H6	I6	J6
H7	I7	J7
H8	I8	J8

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,749

SCALE 1:1000

20 0 10 20 40 60 80 100 METRES

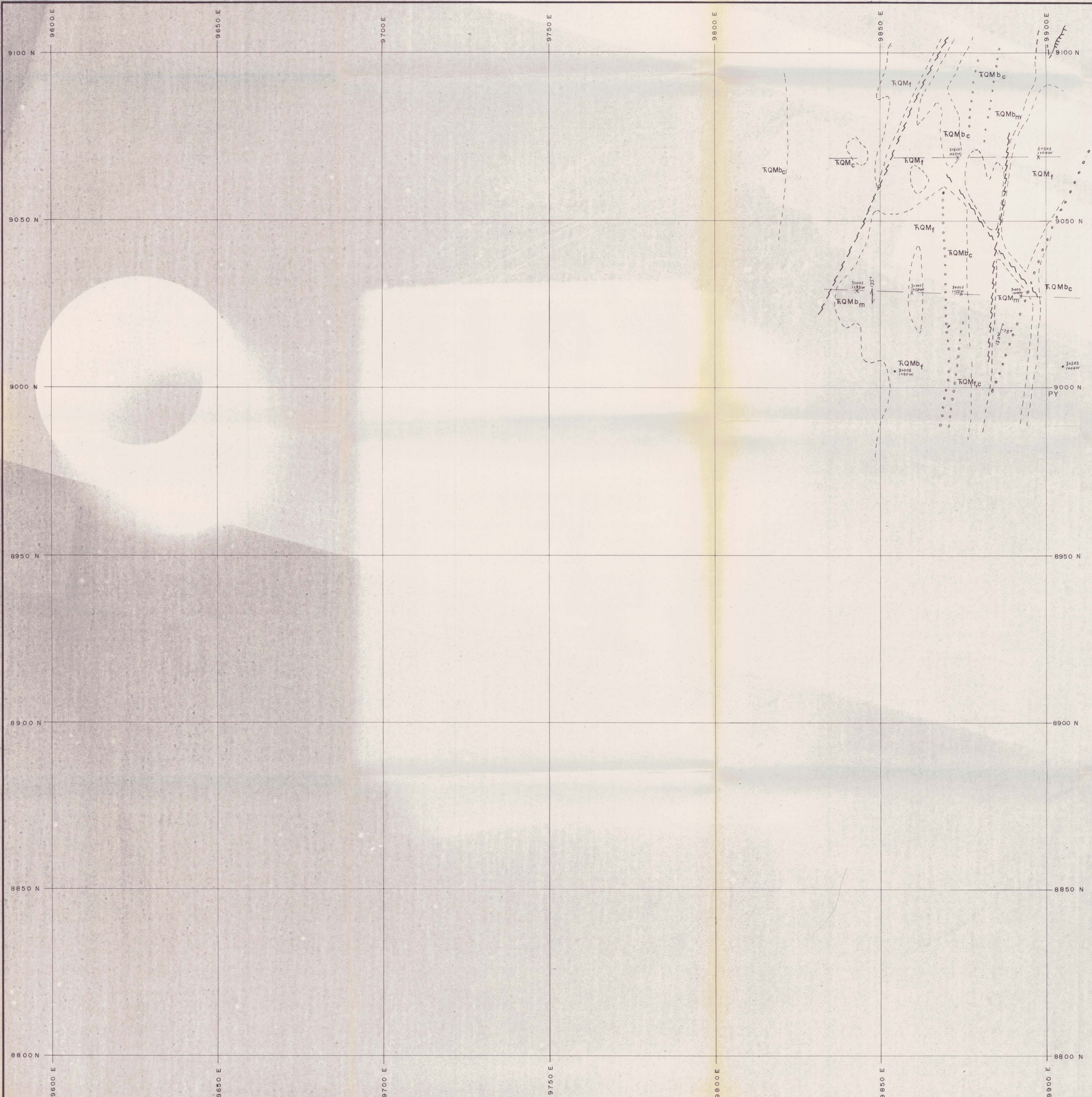
VANANDA GOLD LTD.

TEXADA ISLAND B.C.

SURFACE GEOLOGY

GRAVITY HIGH SOUTH OF LITTLE BILLIE AREA BLOCK I7

MINING DISTRICT: NANAIMO	LAT.		LONG.
L. LINDINGER	NTS		DATE
			REV.
FIG.	DWG.		REV.



LEGEND

RECENT

☐ Qal — Recent Sediments

JURASSIC

MIDDLE TO UPPER JURASSIC – ISLAND INTRUSIONS

☐ JD — DIORITE
☐ JHPD — PORPHYRITIC HORNBLENDE DIORITE
☐ JFPD — FELDSPAR PORPHYRY DIORITE
☐ JQD — QUARTZ DIORITE
☐

SUFFIX TO LITHOLOGIES

v VITREOUS; f FINE GRAINED <1mm; e MEGACRYSTIC >5mm; m MEDIUM GRAINED 1-2mm; c COARSE GRAINED 2-4mm

TRIASSIC

UPPER TRIASSIC – QUATSINO (MARBLE BAY) LIMESTONE

☐ TQL — LIMESTONE Dark grey to black, massive
☐ TQM — MARBLE Dark to pale grey, banding rare
☐ TQMb — BLEACHED MARBLE Ivory to white
☐

UPPER TRIASSIC AND OLDER – KARMUTSEN VOLCANICS

☐ TKB — PILLOW BASALT Related breccia & tuff
☐ TKFa — FLOW BASALT Amygdaloidal
☐ TKC — CALCARENITE
☐

MINERALIZATION

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☐ SKs — SULPHIDE SKARN
☐

QV QUARTZ VEIN; PY PYRITE; CPY CHALCOPYRITE; BO BORNITE; PO PYRRHOTITE; ZnS SPHALERITE

SYMBOLS

GEOLOGIC CONTACT DEFINED, APPROXIMATE, ASSUMED
METAMORPHIC ISOGRAD
FAULT DEFINED, APPROXIMATE, ASSUMED
LIMIT OF OUTCROP
CLIFF DEFINED, APPROXIMATE
DRILLHOLE
SURVEY MONUMENT
SHAFT, PIT
ADIT
TRENCH
TRACK, TRAIL, ROAD
SAMPLE SOIL, ROCK
SHORELINE DEFINED, APPROXIMATE

GRID NORTH 315° AZ.

G9 | H9 NW | H9 NE | H9 SW | G10 | H10

SCALE 1:500

10 0 10 20 30 40 50 METRES

VANANDA GOLD LTD.		
TEXADA ISLAND B. C.		
SURFACE GEOLOGY		
CORNELL MINE AREA		
BLOCK H9 SW		
MINING DISTRICT. NANAIMO	LAT.	LONG.
L. LINDINGER	NTS	DATE
		REV.
FIG.	DWG.	REV.

LEGEND

JURASSIC

- JDD DIORITE (GABBRO) DYKES
- JFPD POST VANANDA STOCK FELDSPAR PORPHYRY DYKES
- JQD(D) VANANDA QUARTZ DIORITE AND DYKES
- JFPD PRE VANANDA STOCK FELDSPAR PORPHYRY DYKES (OFTEN HORNFELSED)
- JAD ALASKITE DYKES

CRYSTAL SIZE IN ALL DYKES HIGHLY VARIABLE

(f) FINE GRAINED <1MM
(m) MEDIUM GRAINED 1-2 MM
(c) COARSE GRAINED > 2 MM
(p) PEGMATITE

TRIASSIC

MARBLE BAY LIMESTONE

- TRLST LIMESTONE
- TRM MARBLE UNDIFF
- TRM(f)(m)(c) " FINE, MEDIUM, COARSE <1mm 1-2mm >2mm
- TRM(b) " BLEACHED
- TRM(E) " MEGACRYSTIC > 5 MM

KARMUTSEN ? VOLCANICS

- TRV

MINERALIZATION

SK_1 WOLLASTONITE (CHLORITE) SKARN
SK_2 GARNET ± DIOPSIDE ± ACTINOLITE SKARN
SK_3 WOLLASTONITE BORNITE SKARN
SK_5 SULPHIDE SKARN UNDIFF
SK_6 COPPER SKARN (BORNITE, CPY, PY, (ZnS, PbS) Po
SK_{10} MASSIVE MAGNETITE SKARN ± CPY, Po,

VEIN AND MANTO MINERALIZATION

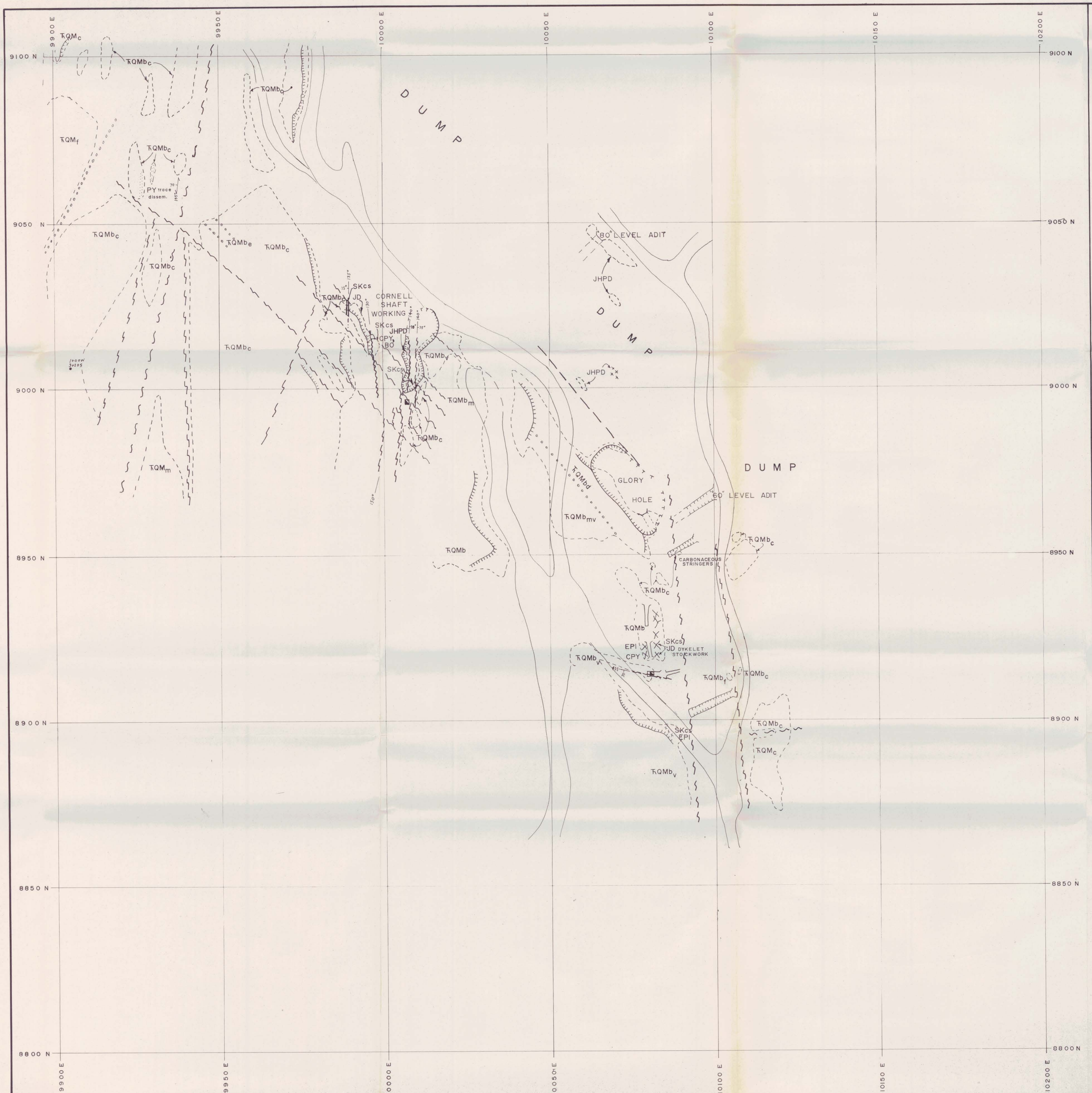
QV QUARTZ VEINING
CV CALCITE VEINING
STK STOCKWORK
PY PYRITE
Po PYRRHOTITE
CPY CHALCOPYRITE
ZnS SPHALERITE
PbS GALENA
T? TELLURIDES ?

SYMBOLS

GEOLOGIC CONTACT DEFINED APPROX ASSUMED
FAULT DEFINED, APPROXIMATE
STRIKE & DIP SYMBOL
LIMIT OF OUT CROP
CLIFF DEFINED, APPROXIMATE
BRECCIA FRAGMENTS
SHAFT, PIT
DEPRESSION
FLOAT OR SUBCROP
DIAMOND DRILL HOLE
DUMP
PAVED ROAD
SHORELINE DEFINED APPROXIMATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,749

VANANDA GOLD LTD
PRELIMINARY GEOLOGY
LITTLE BILLIE MINE AREA
TEXADA ISLAND B.C.
LAT 49° 45' 30" N LONG 124° 23' 00" E
0 20 40 60 80 100 METRES
SCALE 1:1000
L. LINDINGER JUNE 8 1987



LEGEND

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QV QUARTZ VEIN PY PYRITE CPY CHALCOPYRITE

BO BORNITE PO PYRRHOTITE ZnS SPHALERITE

EPI EPIDOTE Mag MAGNETITE Wol WOLLASTONITE

SYMBOLS

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METAMORPHIC ISOGRAD

FAULT DEFINED, APPROXIMATE, ASSUMED

LIMIT OF OUTCROP CLIFF DEFINED, APPROXIMATE

DRILLHOLE SURVEY MONUMENT

SHAFT, PIT ADIT TRENCH

TRACK, TRAIL, ROAD SAMPLE SOIL, ROCK

SHORELINE DEFINED, APPROXIMATE

H9 NW	H9 NE	I9
H9 SW	H9 SE	
H10	I10	

GRID NORTH 315° AZ.

SCALE 1:500

10 0 10 20 30 40 50 METRES

VANANDA GOLD LTD.

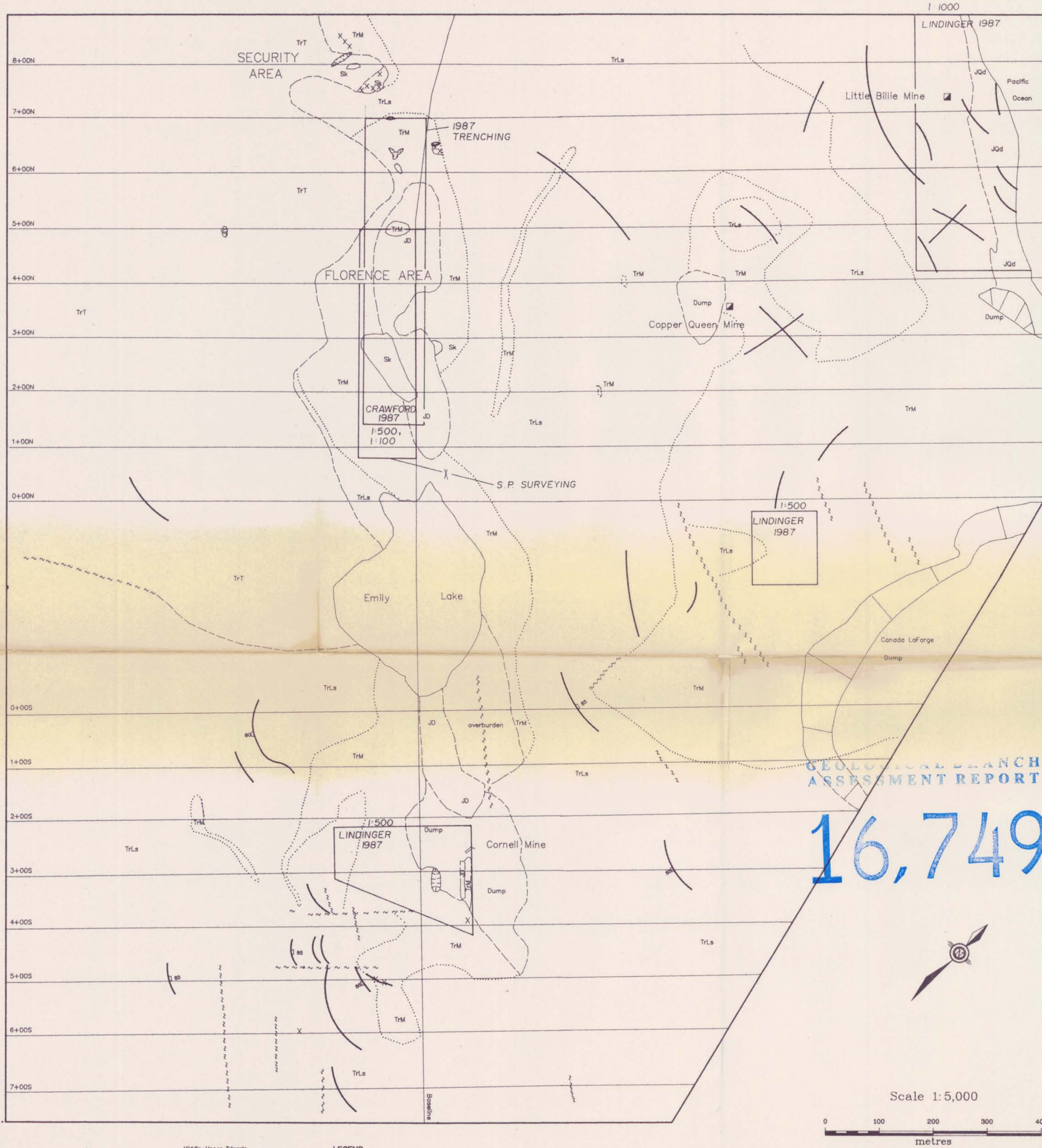
TEXADA ISLAND B. C.

SURFACE GEOLOGY

CORNELL MINE AREA

BLOCK H9 SE

MINING DISTRICT NANAIMO	LAT.	LONG.
L. LINDINGER	NTS	DATE
		REV.
FIG.	DWG.	REV.



LEGEND

Middle-Upper Jurassic

JD	Diorite-gabbroic intrusions
JQd	Quartz dioritic intrusions

Middle-Upper Triassic

TrM	Marble Bay Marble, recrystallized/bleached limestone
TrLs	Marble Bay Limestone
TrT	Texada Formation: Undifferentiated Basaltic/andesitic tuffs and flows
Sk	Skarn: diopside-garnet replacement of marble or intrusive (epidote) with marble/diorite remnants

- Mine waste
- Marble contact: Between light/dark grey massive limestone and recrystallized limestone to white/dark grey granular marble
- Undifferentiated dikes—generally dioritic-gabbroic, minor granitic phase
- Inferred fault
- X Prospect pit
- Glory hole or large pit
- Adit
- Shaft
- Lithologic contact—inferred
- Area of detailed mapping

VANANDA GOLD LTD.

TEXADA ISLAND PROPERTY

NANAIMO, M.D., B.C.

GEOLOGY MAP

	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AE	Geo-Comp	May '87		5
Revision				N.T.S.	
Revision				92F/10E,15E	

MINEQUEST EXPLORATION ASSOCIATES LTD.

Geo-Comp Drawing File: VGT/GE02 1988-02-16

Sample/Assay Number	Length (m)	Au oz/t	Ag ppm (Results)	Cu ppm
6102/1.5*	0.7	0.004	2.3	1,155
6103/1.6	1.2	0.003	0.9	278
6104/1.7	0.9	0.002	0.7	1,355
6105/1.8	0.7	0.097	38.8	30,322
6106/1.9A	1.2	0.004	2.0	811
6107/1.9B	1.0	0.006	2.0	573
6108/1.10	1.6	0.004	0.7	296
6109/1.11	1.0	0.003	0.3	62
6110/1.12A	1.1	0.002	0.3	110
6111/1.12B	1.0	0.004	0.9	371
6112/1.13A	Grab	0.004	1.8	1,118
6113/1.13B	Grab	0.003	1.0	729
6114/1.14	Grab	0.011	23.2	19,268
6115/1.15		0.002	9.1	6,890
6116/1.16	Grab	0.004	22.7	23,516
6117/2.17	Grab	0.006	0.7	1,753
6118/2.18	1.2	0.692	29.3	15,945
6119/1.19	1.6	0.013	3.0	2,241
6120/1.20	0.6	0.005	0.6	226
6121/2.21	1.1	0.008	2.4	2,448
6122/2.22	0.9	0.019	2.8	4,195
6123/2.23A	1.4	0.526	30.7	16,181
6124/2.23B	1.7	0.219	10.0	8,782
6125/3.24	0.7	0.071	0.3	225
6126/3.25		0.003	0.2	353
6127/2.26	1.7	0.011	1.6	4,960
6128/2.27	1.3	0.005	0.6	577
6129/2.28	1.5	0.061	10.2	9,155
6130/3.29	0.6	0.005	1.2	396
6131/2.30	1.5	0.002	0.5	284
6132/4.31	1.8	0.010	1.8	1,945
6133/4.32	0.7	0.004	0.8	1,288
6134/4.33A	1.6	0.017	2.3	4,190
6135/4.33B	1.3	0.006	0.9	877
6136/4.34A	1.25	0.004	0.6	1,523
6137/4.34B	1.5	0.180	16.1	15,940
6138/4.34C	1.5	0.002	24.4	21,258
6151/4.35A	2.6	0.002	0.4	174
6152/4.35B	1.7	0.001	0.4	78
6153/4.35C	1.7	0.001	0.5	45
6154/4.36	Grab	0.018	0.6	2,785
6155/5.37	2.1	0.002	0.3	179
6156/5.38A	1.8	0.010	1.3	957
6157/5.38B	2.5	0.039	4.6	2,492
6158/5.39	Grab	0.002	0.6	2,035
6159/5.40	Grab	0.018	2.3	4,288
6160/6.41A	2.5	0.005	0.6	177
6161/6.41B	2.3	0.018	1.8	1,213
6161/6.41C	2.5	0.017	1.2	451
6163/6.41D	2.2	0.005	1.0	230
6164/6.42A	2.25	0.001	0.3	21
6165/6.42B	2.8	0.001	0.5	27
6166/6.43A	2.4	0.001	0.4	90
6167/6.43B	2.7	0.001	0.5	48
6168/6.43C	3.1	0.001	0.1	87
6169/6.43D	2.9	0.001	0.4	28
6170/5.44	1.0	0.001	0.6	7
6171/5.45	1.5	0.001	0.4	54
6172/6.46	1.2	0.022	2.0	2,256
6173/6.47	1.0	0.029	2.8	2,167
6174/6.48	2.0	0.006	0.5	157
6175/7.49A	3.3	0.001	0.3	36
6176/7.49B	2.8	0.001	0.4	82
6177/7.49C	2.1	0.001	0.5	99
6178/7.49D	3.25	0.001	0.7	425
6179/9.50A	1.8	0.004	1.6	1,013
6180/9.50B	2.0	0.006	4.8	6,063
6181/9.51A	2.1	0.002	0.8	313
6182/9.51B	2.1	0.001	0.8	307
6183/9.52	1.25	0.001	1.5	641
6184/9.53A	1.35	0.002	0.8	104
6185/9.53B	1.5	0.021	4.0	3,171
6186/9.54	1.6	0.001	0.7	102
6187/10.55A	2.0	0.001	0.8	280
6188/10.55B	2.15	0.001	0.3	261
6189/10.56	2.0	0.001	1.5	2,061
6190/10.57	2.1	0.001	3.1	6,333
6191/10.58A	2.2	0.001	0.9	3,093
6192/10.58B	2.65	0.001	1.0	481
6193/10.58C	2.75	0.001	0.7	349
6194/10.59A	2.0	0.001	0.6	188
6195/10.59B	1.9	0.010	0.8	192
6196/10.60A	2.0	0.001	1.7	1,764
6197/10.60B	2.05	0.002	1.5	536
6198/10.60C	1.95	0.006	2.1	1,007
6199/10.60D	2.0	0.012	1.0	392
6319/10.61A	1.7	0.001	0.5	1,641
6320/10.61B	1.7	0.001	0.2	522
6321/10.62	2.7	0.001	0.1	485
6322/10.63	2.3	0.001	0.1	520
6251/1.64	0.8	0.001	5.1	4,953
6252/1.65A	1.3	0.005	4.4	4,677
6253/1.65B	1.0	0.020	3.9	2,576
6254/1.66A	1.55	0.042	5.5	10,566
6255/1.66B	1.75	0.032	5.3	10,458
6298/8.67A	2.75	0.003	0.3	1,122
6299/8.67B	2.7	0.008	1.5	505
6317/9.68	1.65	0.001	0.1	25
6318/9.69	2.0	0.001	0.1	33
6300/8.70	2.3	0.002	0.1	505
6301/8.71	2.7	0.003	0.2	653
6302/8.72	2.4	0.001	0.1	345
6303/8.73	2.25	0.001	0.1	370
6304/8.74	2.35	0.001	0.1	329
6305/8.75	2.15	0.004	0.5	799
6306/8.76	2.2	0.001	0.1	351
6307/8.77	2.5	0.002	2.2	1,298
6308/8.78	1.4	0.001	0.4	315
6309/8.79	1.5	0.001	0.1	192
6310/8.80	2.5	0.001	0.1	112
6311/8.81	2.4	0.001	0.1	75
6312/8.82	2.2	0.001	0.1	195
6313/8.83	2.3	0.001	0.1	93
6314/8.84	2.15	0.001	0.1	68
6315/8.85	2.15	0.001	0.1	48
6316/8.86	2.1	0.001	0.1	44
6323/11.87	1.0	0.001	0.2	140
6324/11.88	1.0	0.001	0.1	40
6325/11.89	1.5	0.001	0.1	16
6326/11.90	1.2	0.001	0.1	16
6327/11.91	1.7	0.003	0.3	496
6328/11.92	1.8	0.004	0.3	570
6329/11.93	1.8	0.004	0.1	60
6330/11.94	1.8	0.001	0.4	149
6331/12.95	1.3	0.004	0.4	124
6332/12.96	2.5	0.001	0.2	203
6290/6.97	1.2	0.001	0.1	77
6291/6.98	1.2	0.003	0.1	275
6292/6.99	1.6	0.001	0.1	56
6284/5.100	1.5	0.001	0.1	47
6285/5.101	1.0	0.006	0.4	505
6286/5.102	1.0	0.015	1.8	1,696
6278/5.103	1.2	0.001	0.1	2
6288/5.104	0.9	0.001	0.1	117
6272/4.105	1.15	0.022	0.1	79
6273/4.106	2.1	0.001	0.1	54
6274/4.107	1.45	0.001	0.1	79
6289/5.108	1.35	0.001	0.1	198
6275/4.109	2.4	0.002	0.4	379
6276/4.110	1.2	0.001	0.2	15
6277/4.111	1.55	0.005	0.5	632
6278/4.112	1.25	0.021	2.8	4,280
6279/4.113	2.9	0.007	1.6	2,588
6280/4.114	1.0	0.001	0.1	116
6281/4.115	1.5	0.004	0.3	323
6282/4.116	1.1	0.001	0.1	68
6283/4.117	1.8	0.006	2.0	1,024
6256/2.118	0.9	0.062	8.8	5,732
6257/2.119	0.9	0.243	23.6	18,242
6258/2.120	1.1	0.022	5.3	4,430
6259/2.121	1.5	0.001	2.3	3,152
6260/2.122	1.1	0.001	0.5	87
6261/2.123	1.3	0.002	0.3	623
6262/2.124	1.15	0.003	0.7	2,336
6263/2.125	1.2	0.002	0.5	1,497
6264/2.126	2.4	0.003	0.3	1,105
6265/2.27	1.6	0.022	2.9	2,297
6266/2.128	1.7	0.001	0.3	356
6267/2.129	1.5	0.003	0.3	445
6268/2.130	2.2	0.001	0.1	63
6269/2.131	1.2	0.001	0.1	82
6270/2.132	1.2	0.002	0.1	409
6271/3.133	1.2	0.001	0.1	164
6295/7.134	0.8	0.236	65.7	69,215
6296/7.135	1.2	0.025	4.2	2,665
6297/7.136	1.0	0.510	84.3	55,020
6293/6.137	1.2	0.001	0.1	44
6294/6.138	0.7	0.001	0.1	18
6333/2.139	0.8	0.006	0.1	7

LEGEND

Geological Formations

Jd — diorite (Jurassic) — diorite, gabbro: coarse to fine grained, magnetic, locally altered to pyrite, epidote

Ŧm — marble (Triassic Marble Bay Formation) — white marble, coarse to fine crystalline, grey and laminated in shear zones

v v v — mafic volcanics (Triassic Texada Formation) — dark green fine grained to aphanitic flows or hypabyssal intrusions; 1-5 % pyrite, locally magnetic
V_f : aquagene tuff; lapilli sized fragments

Alteration

garnet skarn — includes garnet-pyroxene and garnet-pyroxene-epidote skarn

silicification — 2-20 % pyrite, includes quartz veins

mag py cp ox — massive magnetite, pyrite, chalcopyrite; limonite boxwork

Symbols

geological contact; observed, inferred
fault; observed, inferred
outcrop
suboutcrop
trench
FS-87-5
road
bedding, fracture, mineralized fracture
dip in degrees
ovb — overburden

mag	magnetite	sp	sphalerite	mal	malachite
py	pyrite	cp	chalcopyrite	az	azurite
po	pyrrhotite	mo	molybdenite	ox	iron oxides

1987 TRENCHING PROJECT
GEOLOGY : LINES 1+40 N - 7+00 N

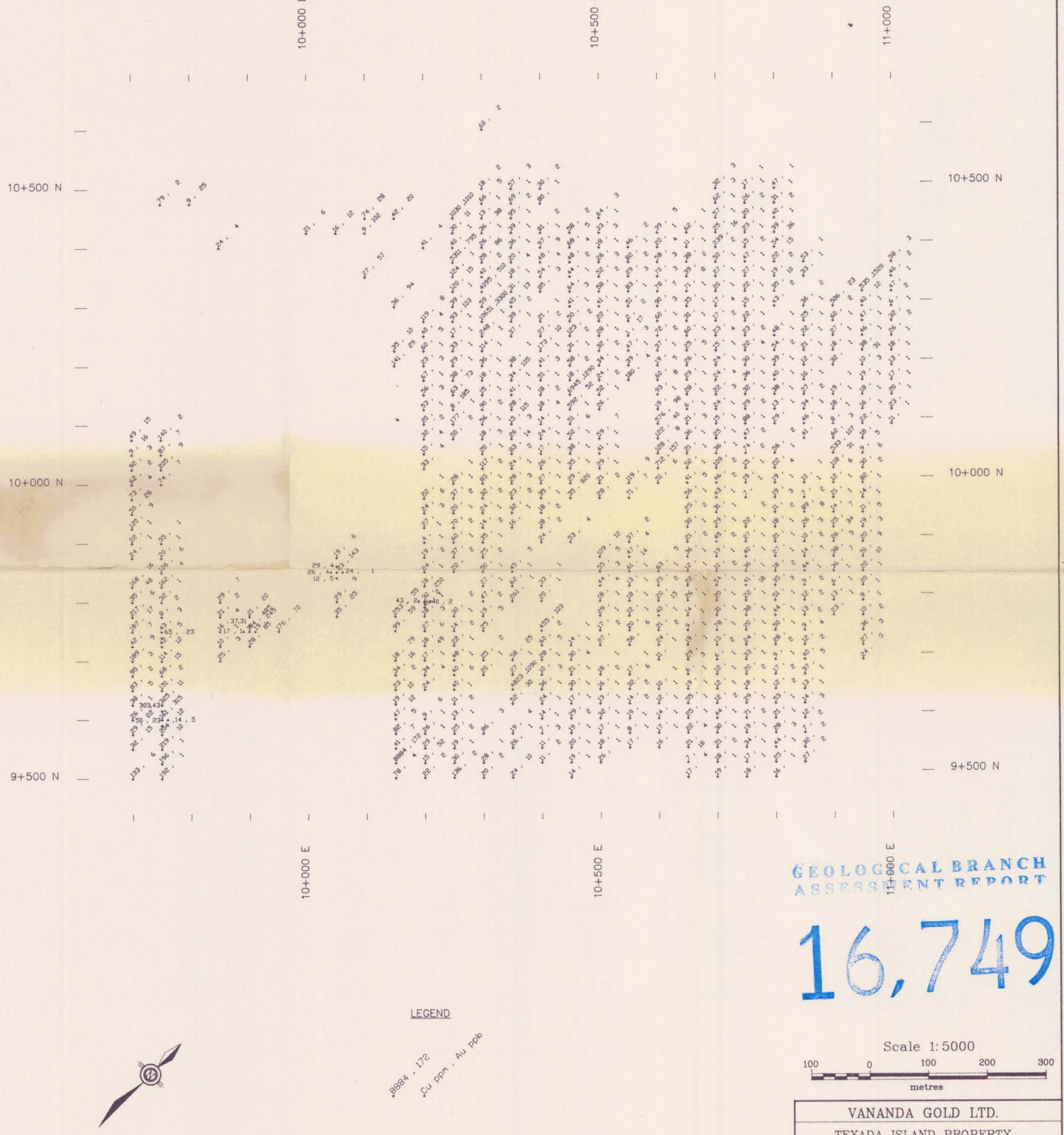
FLORENCE – SECURITY PROPERTY
VANANDA, TEXADA ISLAND, B.C.

SCALE: 1:500	ROCK CHIP SAMPLING	DRAWN BY S. CRAWFORD
DATE: NOVEMBER 1987		DATA: S. CRAWFORD

VANANDA GOLD LTD.

5 0 5 10 20
metres

DRAWING NUMBER 6



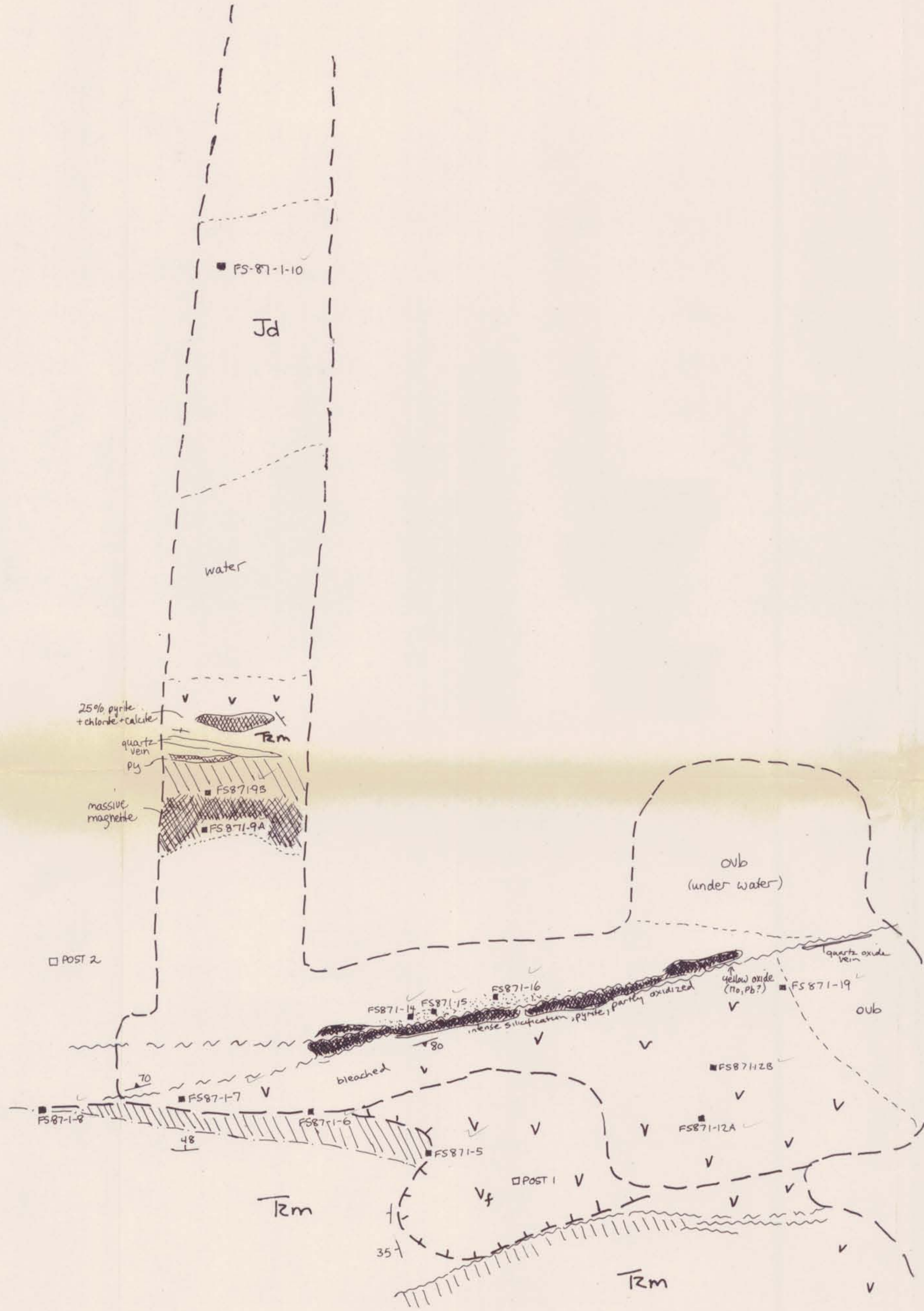
Scale 1:5000

100 0 100 200 300

metres

VANANDA GOLD LTD.					
TEXADA ISLAND PROPERTY NANAIMO, M.D., B.C.					
GEOCHEMICAL SURVEY COPPER & GOLD					
	Originator	Drawn	Date	PLAN No.	FIGURE
Original		Geo-Comp	FEB.'88		7
Revision				N.T.S.	
Revision				92F/10E,15E	
MINEQUEST EXPLORATION ASSOCIATES LTD.					

Geo-Comp Drawing File: VGT\VANCUAU 1988-02-16



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Geological Formations

Jd — diorite (Jurassic) — diorite, gabbro; coarse to fine grained, magnetic, locally altered to pyrite, epidote

TRm — marble (Triassic Marble Bay Formation) — white marble, coarse to fine crystalline, grey and laminated in shear zones

v v v — mafic volcanics (Triassic Texada Formation) — dark green fine grained to aphanitic flows or hypabyssal intrusions; 1-5 % pyrite, locally magnetic
V_f : aquagene tuff; lapilli sized fragments

Alteration

garnet skarn — includes garnet-pyroxene and garnet-pyroxene-epidote skarn

silicification — 2-20 % pyrite, includes quartz veins

mag py cp ox — massive magnetite, pyrite, chalcopyrite; limonite boxwork

Symbols

geological contact; observed, inferred
fault; observed, inferred
outcrop
suboutcrop
trench
FS-87-5
road
bedding, fracture, mineralized fracture dip in degrees
ovb — overburden

mag	magnetite	sp	sphalerite	mal	malachite
py	pyrite	cp	chalcopyrite	az	azurite
po	pyrrhotite	mo	molybdenite	ox	iron oxides

GEOLOGICAL BRANCH
ASSESSMENT REPORT

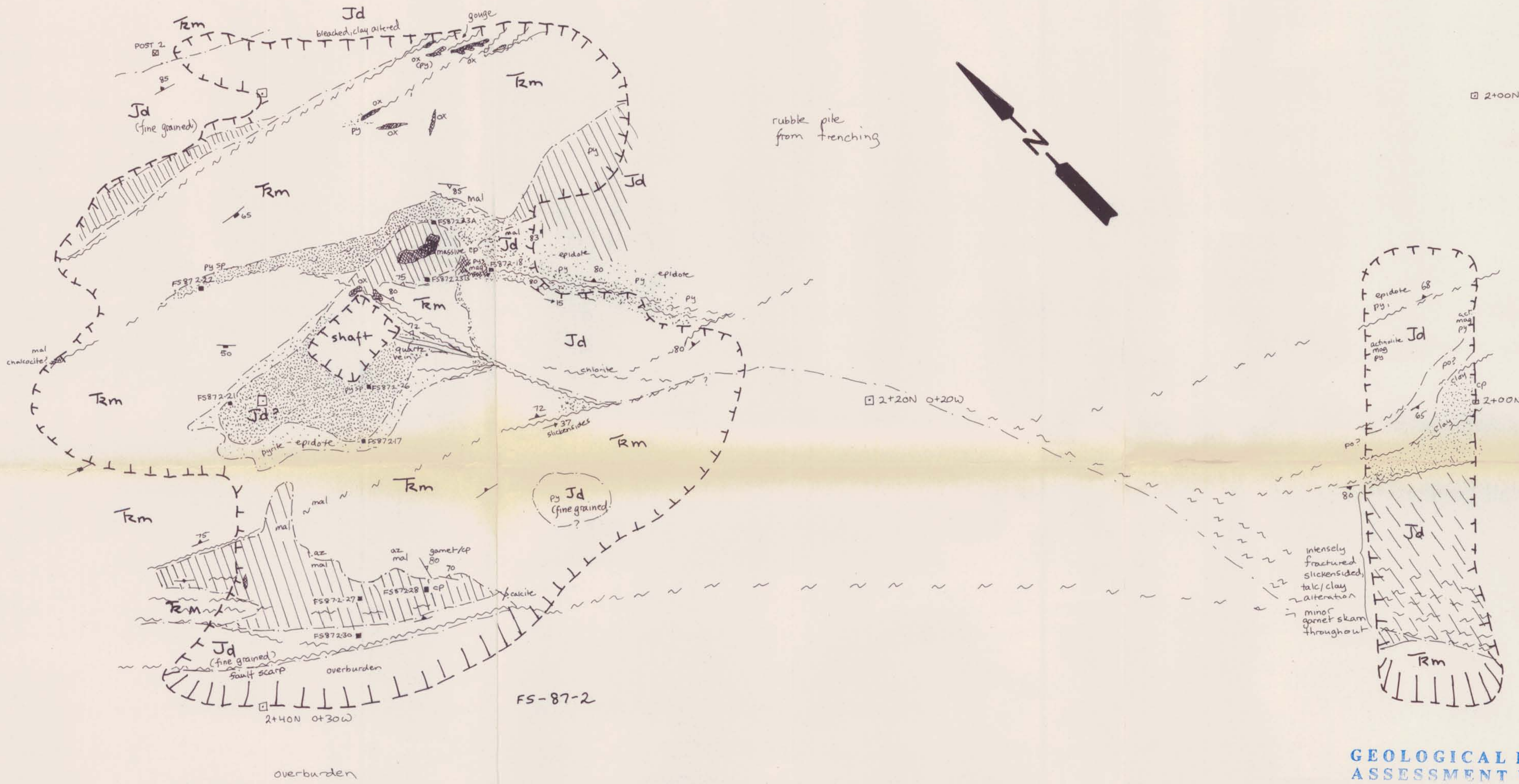
16,749

10962-E107

GEOLOGY FS·87·1

SCALE: 1:100	APPROVED BY	DRAWN BY S C
DATE: 2 88		
FLORENCE SECURITY PROPERTY		DRAWING NUMBER

DIETZGEN MASTER FORM MF 139



LEGEND

Geological Formations

Jd	diorite (Jurassic)	diorite, gabbro: coarse to fine grained, magnetic, locally altered to pyrite, epidote
Trm	marble (Triassic Marble Bay Formation)	white marble, coarse to fine crystalline, grey and laminated in shear zones
V V V	mafic volcanics (Triassic Texada Formation)	dark green fine grained to aphanitic flows or hypabyssal intrusions; 1-5% pyrite, locally magnetic; V_t = aquagene tuff; lapilli sized fragments

Alteration

garnet skarn	includes garnet-pyroxene and garnet-pyroxene-epidote skarn	
silicification	2-20% pyrite, includes quartz veins	
mag py cp ox	massive magnetite, pyrite, chalcopyrite; limonite boxwork	

0 1 2 3
metres

Symbols

- geological contact; observed, inferred
- fault; observed, inferred
- outcrop
- suboutcrop
- trench
- FS-87-5
- road
- bedding, fracture, mineralized fracture dip in degrees
- ovb — overburden

mag	magnetite	sp	sphalerite	mal	malachite
py	pyrite	cp	chalcopyrite	az	azurite
po	pyrrhotite	mo	molybdenite	ox	iron oxides

GEOLOGICAL BRANCH
ASSESSMENT REPORT

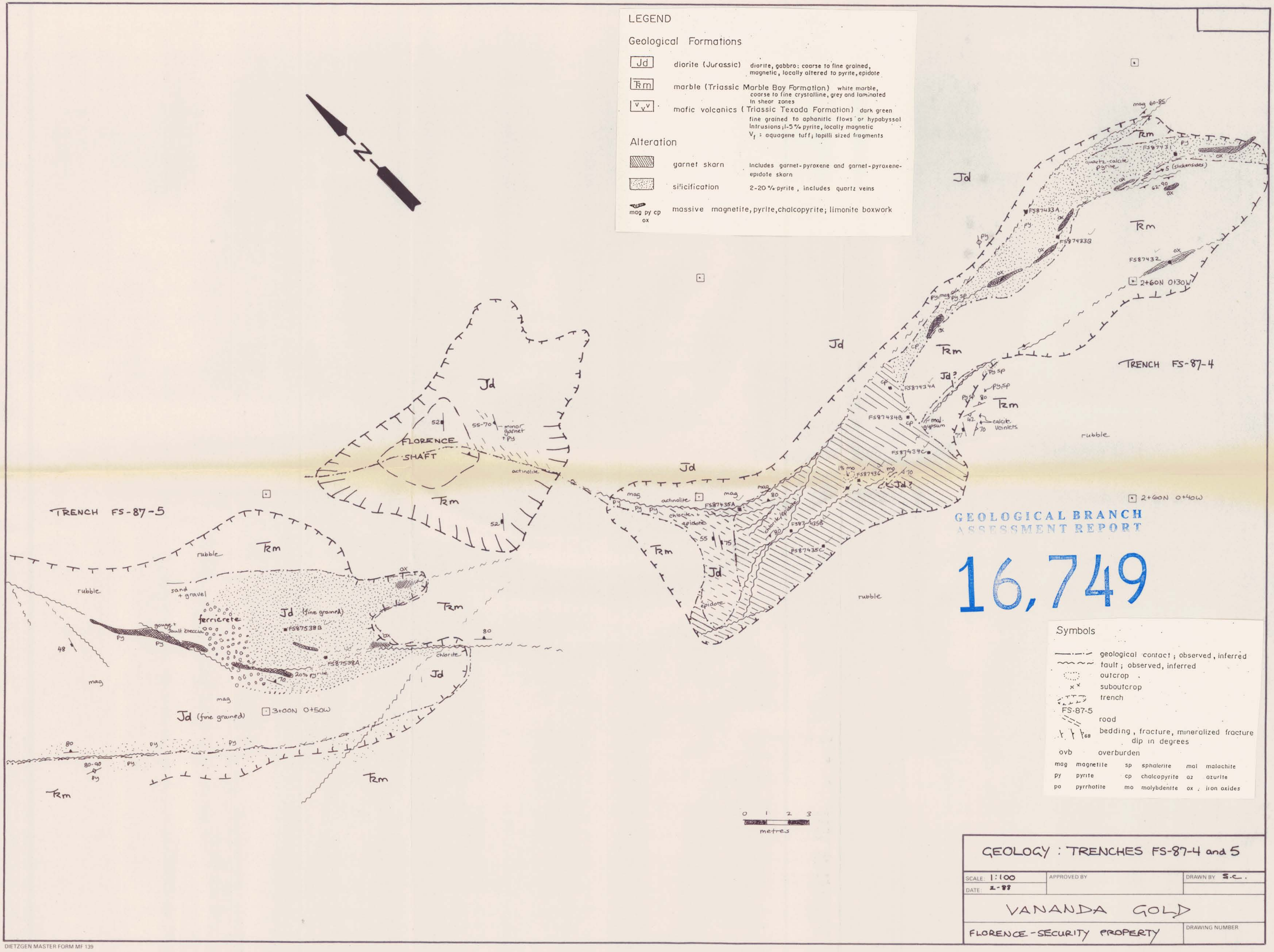
16,749

GEOLOGY : TRENCH 87-FS-2

SCALE: 1:100	APPROVED BY	DRAWN BY S.C.
DATE: 2-88		

VANANDA GOLD

FLORENCE SECURITY PROPERTY | DRAWING NUMBER


LEGEND
Geological Formations
Jd diorite (Jurassic) diorite, gabbro: coarse to fine grained, magnetic, locally altered to pyrite, epidote
Ꞧm marble (Triassic Marble Bay Formation) white marble, coarse to fine crystalline, grey and laminated in shear zones
mafic volcanics (Triassic Texada Formation) dark green fine grained to aphanitic flows or hypabyssal intrusions; 1-5 % pyrite, locally magnetic
Vf : aquagene tuff; lapilli sized fragments
Alteration
garnet skarn includes garnet-pyroxene and garnet-pyroxene-epidote skarn
silicification 2-20 % pyrite, includes quartz veins
mag py cp ox massive magnetite, pyrite, chalcopyrite; limonite boxwork
N
TRENCH FS-87-4
TRENCH FS-87-5
FLORENCE SHAFT
2+60N 0+30W
2+60N 0+40W
3+00N 0+50W
Jd (fine grained)
ferricrete
sand + gravel
rubble
FS87431
FS87433A
FS87433B
FS87432
FS87434A
FS87434B
FS87434C
FS87436
FS87435A
FS87435B
FS87435C
FS87538A
FS87538B
GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,749
Symbols
geological contact; observed, inferred
fault; observed, inferred
outcrop
suboutcrop
trench
FS-87-5
road
bedding, fracture, mineralized fracture
dip in degrees
ovb overburden
mag magnetite
py pyrite
po pyrrhotite
sp sphalerite
cp chalcopyrite
mo molybdenite
mal malachite
az azurite
ox iron oxides
0 1 2 3
metres
GEOLOGY : TRENCHES FS-87-4 and 5
SCALE: 1:100
DATE: 2-88
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VANANDA GOLD
FLORENCE - SECURITY PROPERTY
DRAWING NUMBER
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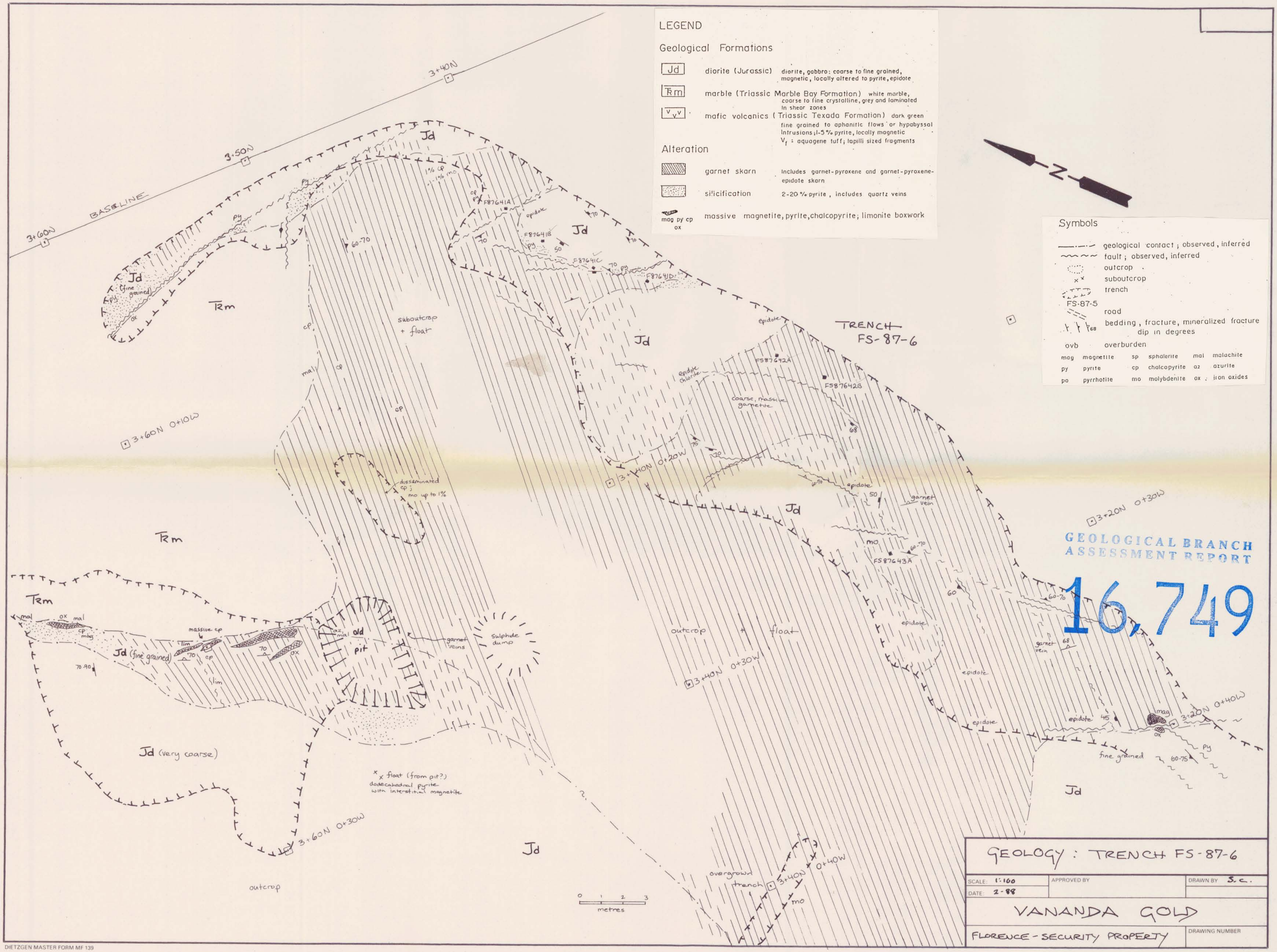

LEGEND
Geological Formations
Jd diorite (Jurassic) diorite, gabbro: coarse to fine grained, magnetic, locally altered to pyrite, epidote
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v v v mafic volcanics (Triassic Texada Formation) dark green fine grained to aphanitic flows or hypabyssal intrusions; 1-5 % pyrite, locally magnetic
Vt : aquagene tuff; lapilli sized fragments
Alteration
garnet skarn includes garnet-pyroxene and garnet-pyroxene-epidote skarn
silicification 2-20 % pyrite, includes quartz veins
mag py cp ox massive magnetite, pyrite, chalcopyrite; limonite boxwork
Symbols
geological contact; observed, inferred
fault; observed, inferred
outcrop
suboutcrop
trench FS-87-5
road
bedding, fracture, mineralized fracture dip in degrees
ovb overburden
mag magnetite
py pyrite
po pyrrhotite
sp sphalerite
cp chalcopyrite
mo molybdenite
mal malachite
az azurite
ox iron oxides
N
TRENCH FS-87-6
BASELINE
3+60N
3+50N
3+40N
3+60N 0+10W
3+40N 0+20W
3+20N 0+30W
3+40N 0+30W
3+60N 0+30W
3+20N 0+40W
3+40N 0+40W
F87641A
F87641B
F87641C
F87641D
F587642A
F587642B
F587643A
suboutcrop + float
outcrop + float
disseminated cp; mo up to 1%
1% cp -1% mo
coarse, massive garnetite
epidote chlorite
garnet vein
garnet veins
massive cp
old pit
sulphide dump
Jd (fine grained)
Jd (very coarse)
x x float (from pit?) dodecahedral pyrite with interstitial magnetite
overgrown trench
outcrop
fine grained
0 1 2 3 metres
GEOLOGICAL BRANCH ASSESSMENT REPORT
16,749
GEOLOGY: TRENCH FS-87-6
SCALE: 1:100
DATE: 2-88
APPROVED BY
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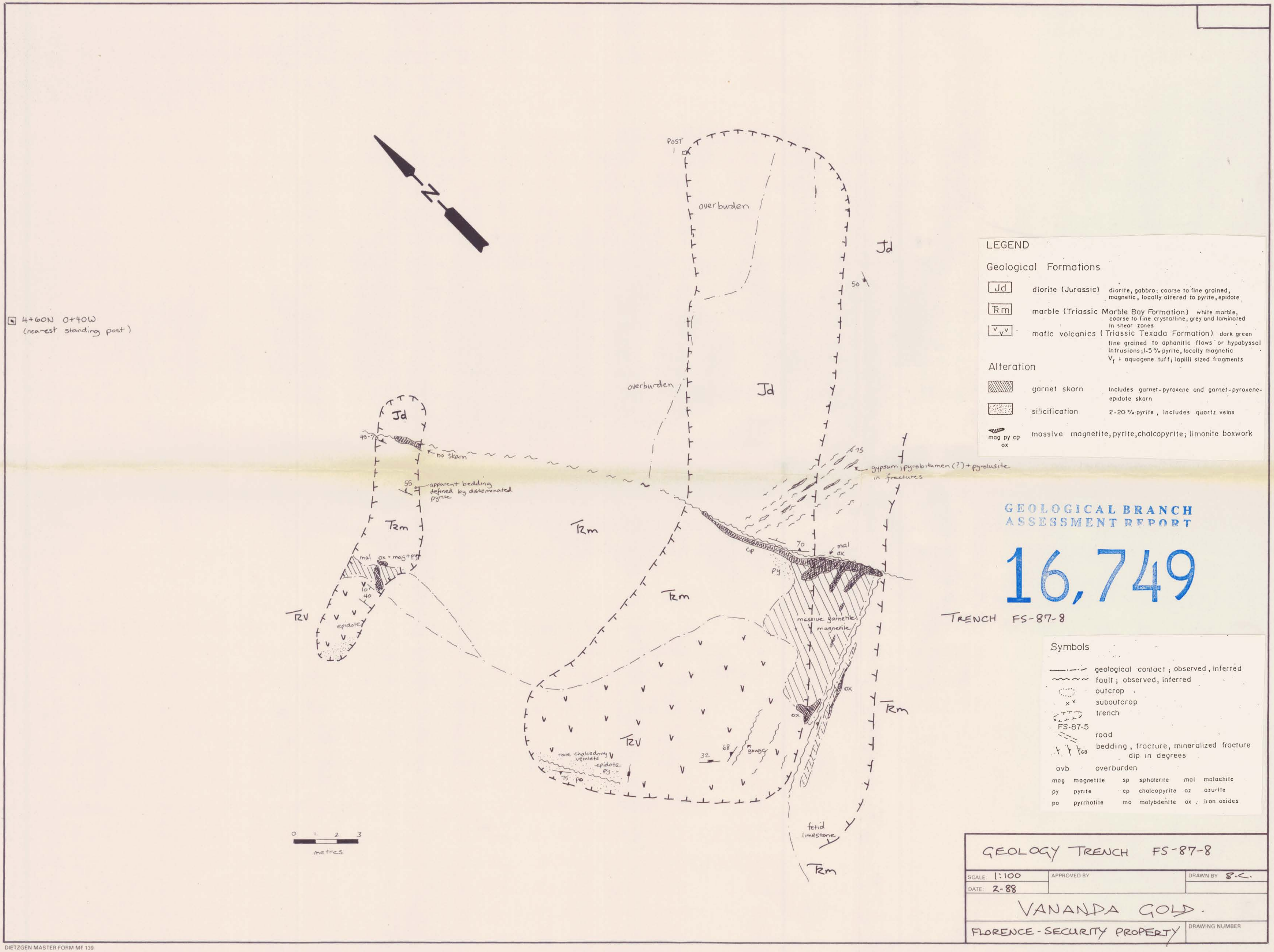
VANANDA GOLD
FLORENCE - SECURITY PROPERTY
DRAWING NUMBER
DIETZGEN MASTER FORM MF 139



LEGEND
Geological Formations
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Symbols
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fault; observed, inferred
outcrop
suboutcrop
trench
FS-87-5
road
bedding, fracture, mineralized fracture dip in degrees
ovb overburden
mag magnetite
py pyrite
po pyrrhotite
sp sphalerite
cp chalcopyrite
mo molybdenite
mal malachite
az azurite
ox iron oxides
GEOLOGICAL BRANCH ASSESSMENT REPORT
16,749
TRENCH FS-87-8
4+60N 0+40W (nearest standing post)
POST 1
overburden
overburden
Jd
Jd
Jd
Ŧrm
Ŧrm
Ŧrm
Ŧrm
Ŧrm
Ŧrv
Ŧrv
no skarn
apparent bedding defined by disseminated pyrite
gypsum, pyrobitumen (?) + pyrolusite in fractures
mal ox + mag + py
epidote
massive garnetite magnetite
mal ox
cp
py
ox
ox
rare chalcedony veinlets
epidote py
po
gouge
fetid limestone
45-75
55
50
75
70
10
40
68
32
75
0 1 2 3
metres
GEOLOGY TRENCH FS-87-8
SCALE: 1:100
DATE: 2-88
APPROVED BY
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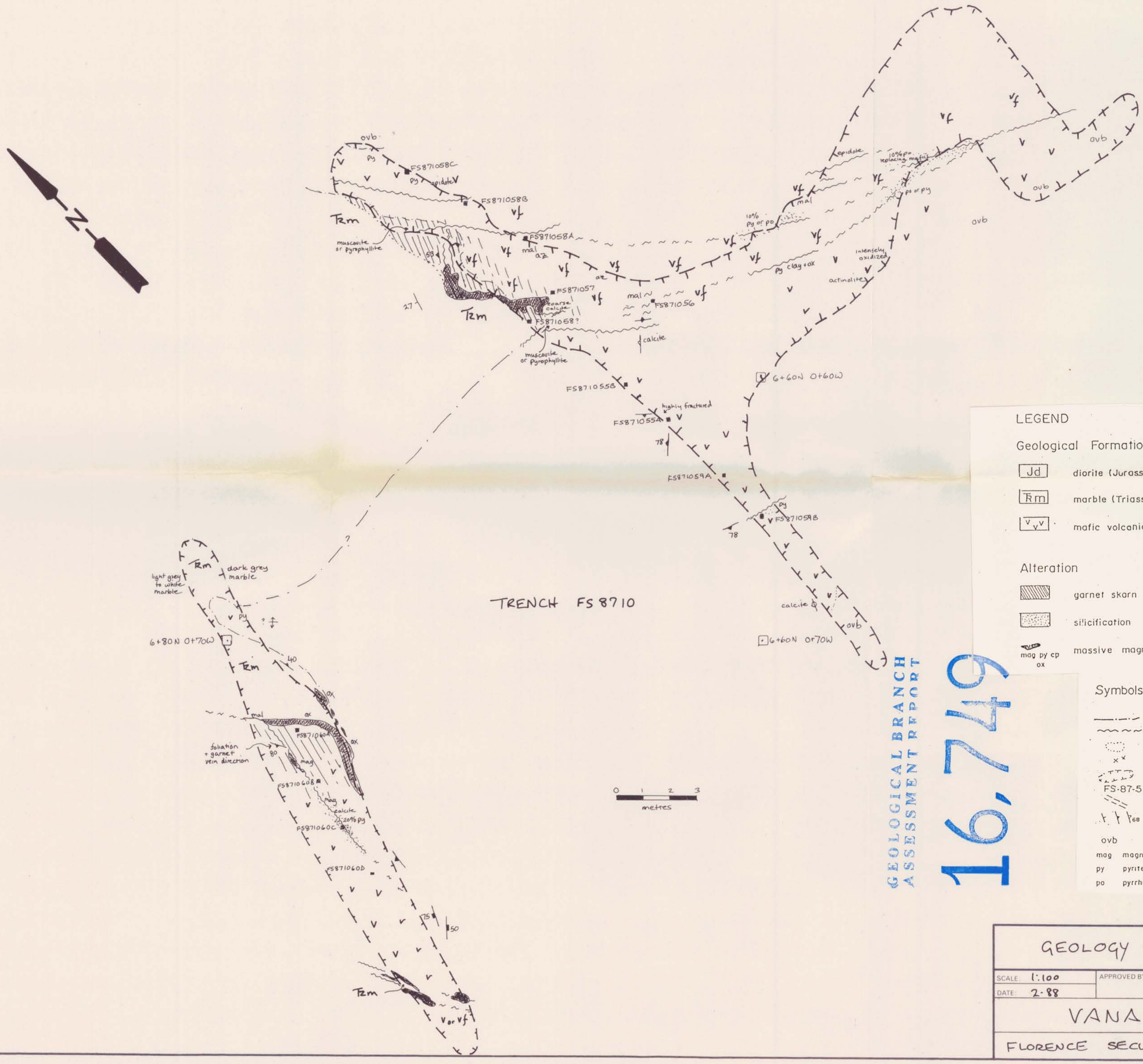
VANANDA GOLD.
FLORENCE-SECURITY PROPERTY
DRAWING NUMBER
DIETZGEN MASTER FORM MF 139



LEGEND

Geological Formations

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Symbols

- geological contact; observed, inferred
- fault; observed, inferred
- outcrop
- suboutcrop
- trench (FS-87-5)
- road
- bedding, fracture, mineralized fracture dip in degrees (68)
- ovb — overburden

mag	magnetite	sp	sphalerite	mal	malachite
py	pyrite	cp	chalcopyrite	az	azurite
po	pyrrhotite	mo	molybdenite	ox	iron oxides

GEOLOGY TRENCH 87-FS-10

SCALE: 1:100
DATE: 2-88
APPROVED BY
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VANANDA GOLD

FLORENCE SECURITY PROPERTY

DRAWING NUMBER