REPORT ON EXPLORATION: 1983 FIELD SEASON

ALEXANDRIA CLAIM GROUP

VANCOUVER MINING DIVISION
NTS: 92K/6W AND 92K/11W

LATITUDE: 50° 29' 51" NORTH
LONGITUDE: 125° 23' 13" EAST

OWNER: ALEXANDRIA GROUP - J. McLEOD AND W. WARSHAWSKI
PICT, PEM, BROKE, JB, ALEX - CHARLEMAGNE RESOURCES

OPERATOR: CHARLEMAGNE RESOURCES LTD.

AUTHOR: G. CARRIERE, P. Eng.

DATE: DECEMBER 20, 1983

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SUMMARY

The Alexandria Claim Group is comprised of 16 reverted Crown Grants and five mineral claims totalling 114 units located on Phillips Arm 55 kilometres north of Campbell River, B.C.

Gold mineralization was first discovered in 1893 and the property was explored intermittently since that time. Extensive underground work was, however, done by Premier Gold Mining Co. in the mid '30's and in 1940 the Alex Mining Co. made shipments to the Asarco Smelter totalling 1867 tons at 0.383 oz/ton gold and 0.701 oz/ton silver.

The veins follow a north west striking shear zone on the contact between a diorite intrusive and metavolcanic/metasedimentary sequence, which may comprise widths of up to several hundred metres. The Alexandria Claims cover approximately 3.2 kilometres of strike.

The property has two main showings, the Alexandra located at the southeastern end of the shear and the Enid-Julie situated 2,000 metres farther northwest. A further northwestern extension is limited to 1200 metres by the property boundary with the Doratha Morton Mine, a past producer with production totalling 10,000 tons at 0.44 oz/ton gold.

The 1983 exploration program concentrated totally on the Alexandra area and entailed surveying, geological mapping and sampling the underground workings as well as a limited diamond drilling to explore the extensions of the Alexandra ore shoot. Results from this work indicated the following:

a) The drift sampling has confirmed the results obtained by Premier Gold Mining Co.

b) The gold values appear to be associated with quartz veins in close proximity to the diorite intrusive contact

c) The Alexandra ore shoot has a significant down dip extension limited to the north by the Premier Fault.

d) A significant new zone of mineralization exists on the No.4 Adit horizon, associated with a silicified andesite unit and having a grade of 0.367 oz/ton gold across 1.42 metres (WAR Zone).

A follow up program is recommended in order to detail the main controls affecting gold mineralization, specifically the diorite intrusive and major offsets relating to the continuity of the vein material. This work should encompass all three of the historically significant centres of exploration, the Alexandra, Enid-Julie and Doratha Morton, in an effort to

establish the interrelationship and hence permit predictions as to the location of zones of mineralization similar to those observed to date in the Alexandra workings. Confirmative diamond drilling is recommended, and should encouraging results be found would lead to an underground bulk sampling program and feasibility study the following season. Total projected expenditures to the conclusion of the diamond drilling phase are approximately $478,920.00.

I INTRODUCTION

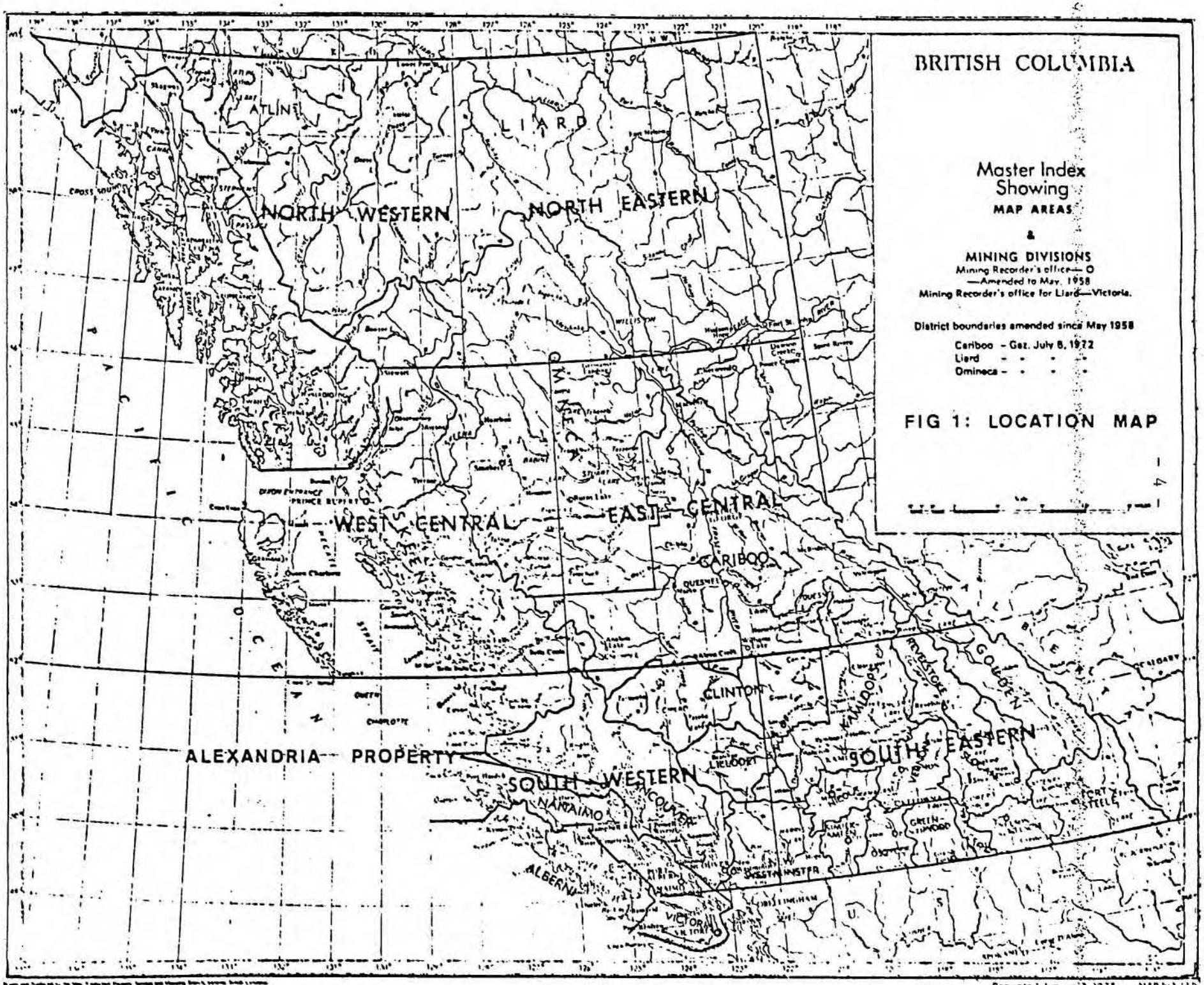
I.1 Location and Access

The Alexandria Claim Group is located on the west shore of Phillips Arm, approximately 55 km north of Campbell River and 200 km north of Vancouver, British Columbia. The nearest settlements are Shoal Bay, 5 km southeast on East Thurlow Island and Fanny Bay, 5 km northwest on the mainland. Blind Channel located 12 km southwest is the nearest post office offering twice weekly service.

The property straddles map sheets 92 K/6 and 92 K/11 and has approximate co-ordinates of 50° 29' 51" north and 125° 23' 13" east.

Access to the property may be achieved by boat, helicopter or float plane charter. Scheduled air service is also provided twice daily from Campbell River. Sea transportation from Vancouver is available on a weekly basis with various small motorized barges being available in Campbell River and Sayward.

On site access to the lower workings (0 to 120 m et.) is by foot path from tide mark with the southwestern portions of the property accessed by abandoned logging roads from the beach at Picton Point (2 km south of the Alexandra claim) to the 800 metre elevation. Logging roads from Fanny Bay service the northern regions of the claim group.


BRITISH COLUMBIA
Master Index
Showing
MAP AREAS
&
MINING DIVISIONS
Mining Recorder's office— O
—Amended to May, 1958
Mining Recorder's office for Liard—Victoria.
District boundaries amended since May 1958
Cariboo - Gaz. July 8, 1972
Liard - - - -
Omineca - - - -
FIG 1: LOCATION MAP
NORTH WESTERN
NORTH EASTERN
LIARD
OMINECA
WEST CENTRAL
EAST CENTRAL
CARIBOO
ALEXANDRIA PROPERTY
SOUTH WESTERN
SOUTH EASTERN
CLINTON
KAMLOOPS
GOLDEN
NANAIMO
ALBERNI
VICTORIA
ATLIN

I.2 Claim Status

The Alexandria property comprises 16 reverted crown grants, and five mineral claims totalling 114 units.

The reverted crown grants are owned by M.P. Warshawski and J.W. McLeod of Vancouver and are currently held under option by Charlemagne Resources Ltd. This ground has recently been grouped along with the five mineral claims as the "Alexandria Group".

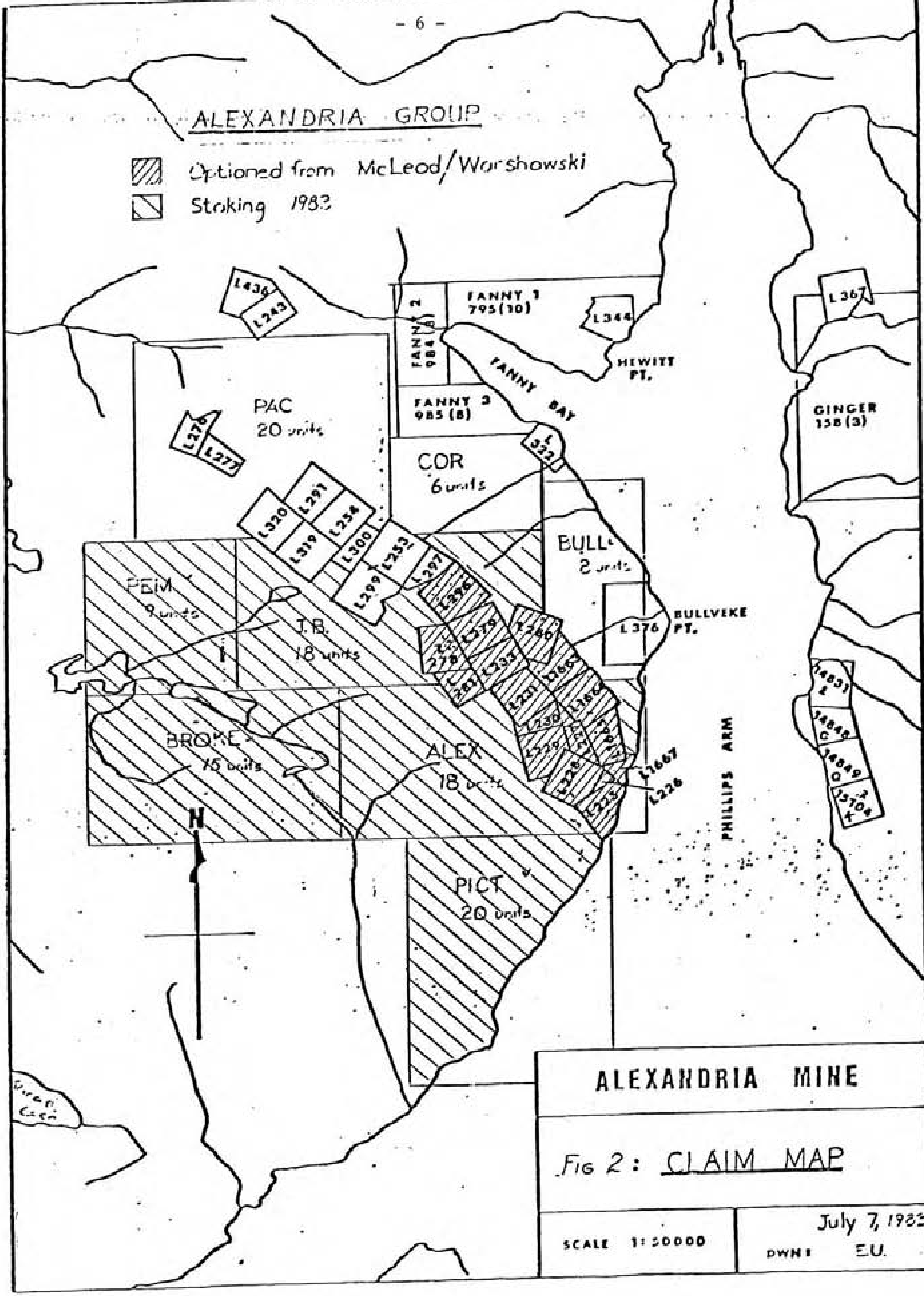
Table I — REVERTED CROWN GRANTS

Claim	Lot #	Record #	Area (Hectures)	Expiry Date
Alexandria	225	40	17.9	Nov 6
Enid	280	47	18.7	"
Comox	296	49	20.7	"
Empress	279	50	18.2	"
Julie	233	51	15.7	"
Duchess	231	52	20.9	"
Jubilee Fr.	230	53	6.6	"
Duke	229	54	18.4	"
Highland Laddie	228	55	18.6	"
Emperor	227	335	18.7	Nov 7
Stella	281	336	10.4	"
Jennie B	278	337	17.2	"
Mary Rose	1664	338	20.6	"
Gold Dust Fr.	1663	339	17.3	"
Premier Fr.	1667	340	4.6	"
Waterloo Fr.	226		2.3	"
Premier	1665	341	16.1	"

The mineral claims were staked, during the spring of 1983, on behalf of Charlemagne Resources Ltd. by Malcolm Bell of North Vancouver. Ownership was transferred to the company by a bill of sale recorded November 4, 1983.

Table II — MINERAL CLAIMS

Claim	Record #	Units	Expiry Date
PICT	1492	20	June 15
PEM	1495	9	"
BROKE	1497	15	"
JB	1507	18	June 24
ALEX	1508	18	"


ALEXANDRIA GROUP
Optioned from McLeod/Worshowski
Staking 1983
FANNY 1
795 (10)
FANNY 2
984 (8)
FANNY 3
985 (8)
FANNY BAY
HEWITT PT.
GINGER
158 (3)
PAC
20 units
COR
6 units
BULL
2 units
BULLVEKE PT.
PEM
9 units
J.B.
18 units
BROKE
15 units
ALEX
18 units
PICT
20 units
PHILLIPS ARM
N
L436
L243
L344
L367
L276
L277
L322
L320
L291
L254
L319
L300
L253
L297
L299
L296
L376
L1667
L226
ALEXANDRIA MINE
FIG 2: CLAIM MAP
SCALE 1:50000
July 7, 1983
DWN: E.U.

I.3 Topography

The property is situated on the northeastern slope of a steep mountain ridge which rises in a series of cliffs from tide water to approximately the 1120 metre elevation. As the Alexandria shear zone roughly parallels this feature, exploration of the strike extension of the Alexandria vein has been greatly impeded.

The southwestern approach to the summit is much less severe and has over the years been traversed by a well established network of logging roads.

A valley between this ridge and the next crest to the southwest contains several small lakes above the 760 metre contour. Drainage patterns trend towards the south. Few water courses of any magnitude flow northeast to Phillips Arm, the only exception being "Bullveke Creek" which cuts a steep ravine through the ridge meeting Phillips Arm 2 kilometres north of the No. 1 Adit.

I.4 History

The Alexandria property has a long but intermittent history of exploration and development dating back to the original discovery in 1893. Preliminary underground work was carried out between 1896 and 1910, after which the claims were permitted to remain dormant until 1932. At this time, Premier Gold Mining Co. optioned the ground and extensive drifting and cross cutting was done on the No. 2 Adit, 100 and 200 levels. This agreement was subsequently terminated and in 1939 the Alex Mining Company was formed to mine the known ore reserves with a shipment being made to the Asarco Smelter in 1940. No work has been reported for the years 1940 to 1975.

Geochemical sampling programs were conducted in 1976, 1980 and 1981 for Cor Pac Minerals who then held the property under option. This work was only of limited success and coupled with financial difficulties resulted in the property reverting to its previous owners.

The property has since been optioned by Charlemagne Resources Ltd. and the holdings have been significantly increased through recent staking.

I.5 Geology

The Phillips Arm area is within the western margin of the coast crystalline belt with isolated northwest trending bands of pre-Middle Jurassic metamorphic rocks surrounded by the quartz diorites of the coast range intrusions dating Middle Jurassic to Lower Cretaceous. These bands of older metamorphic rocks are up to 8 kilometres wide and up to 32 kilometres long. They include argillaceous sediments, volcanic flows and pyroclastics which have been largely altered to closely folded schistose rocks. The foliation of the rocks generally strikes northwesterly, parallel to the trend of the entire rock unit.

Quartz veins with small quantities of sulphides occur in the schistose rocks near their contact with the granitic/dioritic intrusives. The attitude of the veins closely approximates the foliation of the wall rocks. Sulphides include pyrite, pyrrhotite, chalcopyrite, sphalerite and galena occuring as lenticular masses which pinch out both along strike and down dip within the quartz vein material.

I.6 Development and Production

The Alexandria property is divided into two principle areas of past exploration and development.

The first and most extensive, is the Alexandra workings located from zero to 130 metres in elevation and about 2.5 kilometres north of Picton Point.

Five Adits have been driven on strong quartz structures for a total length of 1040 metres. A shaft collared on the No. 1 Adit, has been sunk to an 81 metre depth with two main levels, the 100 and 200 cut at depths of 30 and 60 metres respectively. Records indicate the presence of two "Inter Cross cuts" at the 15 and 76 depths, both of insignificant extent. Lateral development below sea level totals 359 metres. The shaft was also extended upwards to the No. 2 Adit providing space for a small ore bin, headgear and manway. The development advance prior to the 1983 season is summarized in the following table:

Table III UNDERGROUND ADVANCE - ALEXANDRA WORKINGS

Heading	Elevation	LENGTH (M) Drift	X-Cut	Raise	Shaft	Total
Above Sea Level						
No. 1 Adit	+ 1	176	122	4	98	400
No. 2 Adit	+17	230	193		-	423
No. 3 Adit	+92	18	13		-	31
No. 4 Adit	+131	11	38		-	49
No. 5 Adit	+74	72	65			137
Sub total		507	431	4	98	1040
Below Sea Level						
50	-15		4			4
100	-30	154	64			218
200	-60	66	69			135
250	-76		2			2
Sub total		220	139	-	-	359
Total		727	570	4	98	1,399

All adits are currently accessable and in good condition, however the No. 2 portal is caved and access must now be achieved by way of the shaft manway. Other levels serviced by the shaft are currently below water and their condition has not yet been ascertained.

Ground water volume from the No. 1 and 2 Adits is estimated at 110 litres per minute while the remaining Adits are essentially dry. Fresh water inflow to the shaft, measured during the time of development, may exceed 380/lpm.

Production from the Alexandra workings is not well documented, however, the available data indicates a total of 1915 tons grading 0.404 oz/ton Au and an estimated 0.7 oz/ton Ag. The bulk of this material appears to have been mined from three stopes on the No. 1 Adit and some development muck dating pre 1900 as shown in the following table:

Table IV PRODUCTION STATISTICS

Year	Tons	Oz/t Gold	Oz/t Silver
1896-98	48	1.23	-
1939	50	0.680	1.10
1940	1817	0.375	0.69
Total	1915	0.404	0.70

The second area of previous work is the Enid-Julie located 2000 metres to the northwest of the Alexandra workings.

The principle adit is the Enid, at an elevation of 652 metres and extending 93 metres along strike of the No. 1 vein of which 47 metres was on a mineralized quartz vein. Values are reported to range up to 0.40 oz/ton gold and 16.1 oz/ton silver. Speculations in the 1933 Department of Mines Report suggest the potential for "important tonnage of at least milling grade ore".

In addition to the Enid Adit, the Julie Shaft, located 230 metres farther northwest and at an elevation of 884 metres, was driven 5 metres down dip on a quartz vein ranging in width from 0.5 to 1.1 metres. Gold values reported by the Department of Mines in 1934 average 0.1 oz/ton and this was confirmed in 1980 by G. Noel. There seems to be some controversy as to whether this vein is indeed the same structure as the Enid Adit.

Two other veins have been discovered in the Enid-Julie area, both with some limited underground development. The No. 2 vein is located 183 metres northeast of the Enid (No. 1 vein) and has been stripped for about 100 metres. A 10 metre cross cut intersected the vein with 1.8 metres of "encouraging results". The No. 3 vein is situated 152 metres above the No. 2 and has been drifted on for 11 metres. Results of this work are unknown.

Table V UNDERGROUND ADVANCE: ENID-JULIE

Heading	Elevation	LENGTH (M)			
		Drift	X-Cut	Shaft	Total
Enid	652	93	44	-	137
Julie	884	-	-	5	5
No. 2	?	-	10	-	10
No. 3	?	11	-	-	11
Total		104	54	5	163

No production has been reported from the Enid-Julie workings. It should however be noted that the Doratha Morton property (not part of the Alexandria group) whose property boundary lies a further 1200 metres northwest of the Enid Adit, mined 10,000 tons grading 0.44 oz/ton gold. Mill recoveries, using a cyanide process, were reported to be in the 92 to 94% range.

II FIELDWORK 1983

The objective of the 1983 exploration program was to initially establish a comprehensive geological data base on the Alexandra Mine area in order to determine the nature and controls of the gold mineralization. Then, based on this information, test the hypothesis of possible extensions of the Alexandra ore shoot towards the northwest and to depth.

The work which was conducted between July 17 and October 18, 1983, and will be discussed under the headings of Physical, Geological and Diamond Drilling for the balance of this report, was originally operated from a temporary tent camp at the No. 1 Adit. Once the program, however escalated from the reconnaissance stage to the underground work, a 30 X 90 wooden barge was utilized to provide accommodation for up to eight personnel as well as an equipment platform, fuel storage and general work area. This unit has been retained for subsequent field seasons.

II.1 Physical Work

The 1983 exploration required that access be provided to the various underground headings and maintained as per the requirements of the Mines Regulations Act in order to permit mapping and sampling.

The operations and services installed on the No. 1 and No. 2 levels include:

a) new portal timber
b) air and water lines
c) ventilation ducting
d) scaling of drift backs

The No. 2 Adit portal was caved for the first 24 metres and could not be feasibly recovered at this time. Access was attained by rehabilitating the shaft manway from the No. 1 adit. Only a portion of the No. 2 adit was inspected, during the 1983 program.

Access to the No. 2 adit was also required so as to permit the escavation of a locationally advantageous underground drill station. In conjunction with this, a 7.4 metre ore pass was driven to handle the excavated material, unfortunately obstructing access to the inner reaches of the No. 1 Adit.

In addition, basic scaling was performed in the No's 3, 4 and 5 Adits but no services were installed at this time.

The total amount of rehabilitation measures approximately 554 lineal metres with 64 cubic meters of material excavated for the drill station.

No attempt was made to dewater the shaft and the two levels below sea level.

II.2 Geological

Survey control was established to all five of the Alexandra Adits and detailed plans were generated for all accessable headings. The mine coordinate system is based loosely on the system utilized by Premier in the 1930's. North is referenced to Premiers No. 1 Adit coordinates (from old prints), however, the metric northings and eastings were chosen to minimize confusion within the immediate mine area as well as future grid coverage to the north and west. All plans associated with this property now indicate the modern coordinate lines. Plans are drawn generally to the scale of either 1:250 or 1:500.

Geological mapping was limited almost exclusively to the underground workings and was plotted at the 1:250 scale. Areas not mapped include the No. 2 and No. 5 Adits, the former due to conflicts of event sequencing and the later due to time constraints. Prior to mapping, drift walls were thoroughly washed for clarity and ease of mapping.

Sampling of the rock units was done on approximate two metre interval along strike and where of interest in the available cross cuts. Assays for gold and silver were obtained through Min-En Laboratories in North Vancouver using fire assay techniques. Plans compatible with those generated during the mapping program were drawn indicating sample number, width of sample and gold and silver values in troy oz/T. Unfortunately, due to financial constaints a large portion of the drift sampling has not as yet been assayed leaving large openings in the assay plans.

Some prospecting was carried out in ravines to the south west of the portals to an elevation of about 490 m. In cases such as these considerable amounts of outcrop may be observed, otherwise, what appears to be thick talus slopes tend to obscure the geology.

II.3 Diamond Drilling

A total of 482.3 metres of BQ diamond drilling was completed in five holes from the No. 2 Adit drill station. Targets were established based upon the 1983 mapping program as well as work performed by Premier during the 1930's. Generally speaking, the holes were targeted below the 100 level and spaced at 15 metre intervals along strike. In this manner, testing continuity towards the 200 level and northwest of the Premier fault.

Core was brought to surface for logging and sampling. All intersections sampled were split, with one-half sent to the assay lab and the remaining half retained for future reference. Core storage is underground on the No. 1 Adit.

III RESULTS AND DISCUSSION

III.1 Geological

The most significant of the underground workings mapped was the No. 1 Adit which traces the Alexandra vein for approximately 178 metres and crosscuts the entire structure in four locations.

Geologically, the vein may be divided into two sections separated by a major cross fault striking north 30° east and dipping 67° to the north west. This structure has been labelled the "Premier Fault" for later reference.

The first section extends from the portal, a distance of 102 metres to the fault and represents the lower block of the fault set. This area constitutes the source of all past production and as such would be the upper expression of the Alexandra ore shoot, which according to Premier records extends to the 100 level.

The vein is a composite structure comprised of up to 6 different quartz units and having composite widths of up to 10 metres. The vein strikes north west and although quite variable appears to dip northerly at 80 to 85°. Gold values tend to be associated with a white-grey vitreous quartz which contains elongated lenses of massive pyrite aligned with the vein strike. This is, however, only a general rule as gold has been reported in quartz with no pyrite and some of the tuffaceous quartz units. Sampling of the vein material tends to confirm the previous values reported by Premier in the 1930's. No attempt has yet been made to determine a new average gold content for this portion of the vein as some assays are still pending.

Three crosscuts to the southwest of the vein structure all intersected the diorite intrusive which forms the southern boundary of the Phillips Arm Shear Zone. The contact is not distinct and typically consists of diorite interbedded with a white phaneritic quartz/plagioclase unit for a lateral extent of up to 11 metres followed by an andesite/tuff unit less than two metres in width adjacent to the principle vein structure.

Cross cuts to the northeast of the the quartz vein all encountered interbedded andesites, tuffs and some minor quartz stringers.

There are several major dykes crossing the Alexandra vein within the production area, either of mafic or feldspathic porphry composition. Neither type represents any significant offset of the vein material, however, they could be used as tracer units when analysing subsequent fault movements.

Some minor cross faulting was noted, striking approximately east and dipping generally south. Individual fault movements measure less than 0.5 metres.

The second part of the vein extends northwest from the Premier Fault and is exposed for 76 metres in the No. 1 Adit. This zone represents the "upper block" of the fault set.

The upper block quartz vein is directly on strike with that of the production area, however, dips towards the south at 75 to 80°. Although the nature of the vein is similar to that of the ore zone, with large concentrations of massive pyrite, the gold content indicated from the Premier records is insignificant. This vein was resampled during the 1983 season, but assays are still pending and no correlation may be achieved at this time.

Crosscuts to the northeast show the typical andesite/tuff interbedding as seen northeast of the lower block vein, while crosscutting to the south west did not intersect the diorite intrusive as would have been anticipated. This could possibly suggest a correlation between gold values and proximity to the intrusive. Should this be the case, the intrusive contact should be located northwest of the Premier Fault and further exploration concentrated in this area. The probable direction of offset is to the southwest and most likely exceeding 85 metres.

The quartz vein, although, not offset at the Premier Fault is offset 2 to 3 metres southwest by a second major fault 49 metres farther northwest. This fault, known as the "Kate Fault", strikes north 70° west and dips 45 to 47° north.

Minor steeply dipping cross faults were also noted with little offset and a series of narrow lamprophyre dykes cross the vein between 35 and 40 metres north of the Premier Fault.

The No. 2 adit was not mapped in detail, but from brief surveillance the geology is similar to the No. 1 adit with a major quartz zone divided by the Premier Fault. The main drift appears to have been driven 2 or 3 metres south of the upper protection of the Alexandra ore shoot and this was shown when the waste pass was developed from the No. 3 stope, cross structure, to the No. 2 Adit. The crosscuts to the northeast show a favourable quartz unit however this was not sampled. No diorite contact was noted in any of the crosscuts to the southwest, all of which would be located in the upper block formations.

The No. 3 adit was developed on a structure similar to the laminated quartz observed in the No. 1 Adit, the major difference being that the strike of bedding in the portal area is not the northwest of the No. 1 Adit but due north with a dip 50 to 55° west.

The main crosscut passes through a 3.4 metre unit of altered quartz followed by a 2 metre bed of tuffaceous andesite and finally penetrating the diorite intrusive 10 metres from the portal. A drift was driven north on the quartz zone and after 5 metres intersected a major fault which truncates the structure. The andesites and quartz stringers encountered on the north side of the fault all strike northwest and dip steeply to the southwest.

No significant gold values were located in either the north or northwesterly formations and at present, the relationship between the No. 3 adit and the other adits is unknown.

The No. 4 Adit is situated 65 metres north of the No. 1 adit and most probably well within the northwest block of the Premier Fault offset. The level consists of a short 11 metre drift and a 35 metre cross cut driven southwest.

Geologically the drift was collared on a narrow quartz vein bounded by tuffaceous andesites. This vein was cut off and apparently displaced southwest about 1 metre after two rounds of advance with the remainder of the drift driven in the andesites, and the vein maintained in the left hand wall.

The cross cut intersected four strong vein structures all within interbedded tuffs and andesites. The veins strike northwest and dip 50 to 60° southwest. Old reports indicate assays to 4.79 oz/ton gold across 1.5 metres, however, 1983 sampling, while finding comparable widths, did not locate significant gold values in the quartz units. Assays of a portion of a silicified andesite zone did yield a composite 0.367 oz/ton across 1.42 metres (WAR Zone). As gold values associated with the andesitic material had been previously unknown, considerable potential exists for the location of large tonnage ore zones not associated with the quartz veining.

Judging by the wall rock composition and the relationship with the No. 1 Adit, the upward extension of the Alexandra vein most probably lies to the southwest of the end of the No.4 cross cut. Exploration should be concentrated in this direction extending to the diorite contact.

The No. 5 adit was not mapped in detail during the 1983 program, however some samples were taken from a quartz vein striking northwest and dipping from flat to 30° southwest. No significant values were found.

The adit is located 95 metres north of the No. 1 adit and is a different structure to that associated with the Alexandra formation. Mapping and wall rock sampling should be completed so as to determine the nature and relationship of this vein to the main zone.

III.2 DIAMOND DRILLING

The diamond drilling performed during the 1983 season was directed at locating a down dip extension to the Alexandra Vein and to determine the nature and controls of the gold mineralization.

Five holes were drilled from the 02-440 drill station for a total length of 482.1 metres. The holes are described as follows:

Table VI — 1983 Diamond Drill Holes

Hole #	Azimuth	Length	Dip
U-1	45°-00'-00"	103.6	-62° -30'
U-2	45°-00'-00"	74.8	-40° -00'
U-3	67°-23'-45"	100.6	-57° -30'
U-4	NOT DRILLED		
U-5	22°-36'-15"	102.1	-60° -00'
U-6	84°-29'-40"	101.2	-49° -30'

The first two holes were drilled on the mine section 440 west with U-1 targeted for the 200 level and U-2 for the mid-point between the No. 1 Adit and 100 levels. Both holes intersected the quartz structure, U-1 below the Premier Fault and U-2 above. The width of the structure in the upper block is considerably narrower than the vein material in the lower and contains no gold values as had been hypothesised from the geological mapping. U-1, however, intersected 0.4 metres grading 2.730 oz/ton Au and 4.29 oz/ton Ag, 9 metres above the 200 level and about 10 metres southwest of the 200 level projection. This would account for the lack of gold values on the 200 level as the drift would appear to have been driven well in the hanging wall of the gold bearing vein. Similarily it would also suggest that a lateral offset occurs in the Alexandra vein below the 100 level. This feature will have to be studied once the shaft development is dewatered in order to accurately predict new ore zones to depth.

Both holes show that the "upper fault" vein structures are bounded by the andesite-tuff series on both foot and hanging walls. The lower block, intersected by U-1, did not completely treaverse the formation due to equipment failure.

U-3 was intended to explore the vein one section (15 m) east of the U-1 intersection and at a similar elevation. A portion of the andesite-tuff footwall formation of the upper block was traversed prior to crossing the Premier Fault projection with the upper block quartz vein not being intersected due to the geometry of the layout. The lower block portion of the hole indicated the expected sequence of formations going from diorite

to quartz to andesite-tuff and covers a vertical extent of almost 60 metres. Two gold bearing zones were encountered, the first 4 metres below the 100 level and the second at 12 metres below. Both intersections are about 5 metres southwest of the down dip projections, again indicating the lateral offset noted in Hole U-1. Gold values in both segments are up to 1.2 oz/ton Au across narrow widths and are both associated with parallel zones of significant values (0.15 to 0.4 oz/ton Au) which when averaged give respectable grades and widths. Intersection averages are 0.261 oz/ton across 1.6 metres and 0.291 oz/ton Au across 1.7 metres respectively. Several other sections having good values were located, however, the narrow widths and isolated positions would not indicate significant structures.

U-4 was not drilled due to financial constraints.

Hole U-5 was intended to explore the lower block of the Premier Fault one section (15 m) west of Hole U-1. The hole did not ultimately traverse the fault and merely confirmed the U-2 results of no values and no major diorite contact.

U-6, the final hole was drilled to intersect two (30 m) sections east of the U-1 hole. The geology is very similar to that of both U-1 and U-3. One intersection grading 0.368 oz/ton across 1.9 metres was located 5 metres below the 100 level and 4 metres into the footwall.

Table VII Drill Hole Intersections

Hole	From	To	Width (m)	Assay Oz/T	
				Au	Ag
U-1	72.8	73.2	0.4	2.730	4.29
U-3	43.8	43.9	0.1	0.519	0.79
	58.3	58.6	0.3	0.121	0.27
	58.6	59.0	0.4	0.187	0.51
	59.6	59.8	0.2	0.370	1.31
	60.0	60.2	0.2	1.275	2.47
	65.6	66.1	0.5	0.130	0.40
	66.1	66.4	0.3	0.293	0.89
	67.5	67.8	0.3	1.200	2.70
	69.0	70.0	1.0	0.226	0.49
U-6	61.3	61.6	0.3	0.120	0.28
	63.3	63.7	0.4	0.910	2.00
	63.7	64.3	0.6	0.452	1.01

CONCLUSIONS

The following conclusions are the result of the 1983 exploration program:

1) Gold values in the quartz veins are related to the proximity of the diorite intrusive.

2) The Premier Fault truncates gold values to the northwest.

3) The diorite contact is displaced at least 85 metres southwest across the Premier Fault.

Gold occuring in quartz veins is generally associated with a narrow heavily pyritized white/grey vitrious quartz unit.

5) Assays taken by Premier Gold Mining Co. Ltd. in the 1930's correlate favourably with those taken during the 1983 program.

6) The Alexandra ore shoot extends below the 100 level.

7) A lateral offset below the 100 level moves the ore 5 to 10 metres southwest of the aniticpated down dip projection.

8) The 200 level was driven in the hanging wall of the ore zone and as such does not necessarily limit the down dip extension of the Alexandra ore shoot.

9) The No. 3 and No. 5 adits are different structures than that of the Alexandra vein.

10) The No. 4 adit is northeast of the Alexandra vein.

11) Gold values may be present in the silicified andesite formations of the Phillips Arm shear zone, as seen in the No. 4 WAR Zone.

12) Further exploration is required to correlate the geology of the 5 main adits and the Enid/Julie showings to the northwest.

13) Excellent exploration potential exists for the discovery of significant gold bearing zones in the following areas:

a) Southwest of the Alexandra vein and northwest of the Premier Fault
b) Below the 200 level and within the lower block of the Premier Fault
c) The No. 4 adit wall rock zone (WAR Zone)
d) The diorite contact southwest of the No. 4 adit
e) Enid/Julie workings
f) Northwest of, and on strike with the Enid-Julie towards the Doratha Morton property line.

V.1 Recommendations

Based on the work performed during the 1983 program, the Alexandria property appears to offer excellent prospects for both extending the known ore zones and for the discovery of additional ore shoots along the Phillips Arm Shear Zone.

The program is recommended to consist of three units divided as follows:

Phase A) Surface Reconnaissance

The objective of the surface program is to detail the various components of the Phillips Arm Shear Zone and ascertain the interrelationship between the Alexandra, Enid-Julie and Dorotha Morton veins as well as the diorite intrusive.

The No. 4 Adit wall rock zone (War Zone) should be prospected along strike in order to establish some continuity prior to diamond drilling and the significance of the No. 3 and No. 5 Adits to the Alexandra must be determined.

Some backhoe trenching could feasibly be advantageous to the investigation where terraine permits.

Phase B) Underground Mapping

This work will complete the 1983 investigation by generating complete geological and assay data for the No. 2 and No. 5 adits.

Following this the Enid-Julie workings should be surveyed, mapped, sampled and correlated to the surface findings.

Phase C Diamond Drilling

Three areas of interest should be surface drilled in the event that encouraging results are obtained in either phases A and B. These areas are as follows:

a) Northwest Alexandra extension
b) No. 4 WAR Zone
c) Enid-Julie vein systems

Underground drilling of the down dip extension of the Alexandra vein offers further exploration potential, however at this time would not be considered a cost efficient approach in light of the 1983 findings. At a later date this will inevitably have to be done.

V.2 COST ESTIMATE

Phase A and B — Duration: 60 Days

Geologist	2 @ $200/Day X 60 Days	$ 24,000
Field assistants	2 @ $100/Day X 60 Days	12,000
Expenditer/cook	1 @ $120/Day X 60 Days	7,200
Camp barge	300 Mandays X $60	18,000
Barge mooring		2,500
Room & Board	300 Mandays X $20	6,000
Radio Communications		2,000
Moblization		1,500
Air fares and freight		2,200
4 X 4 Truck	$1,500/mo	3,000
Heavy equipment rentals	21 Days @ $500/Day	10,500
Supply boat operation	60 Days @ $30/Day	1,800
Demobilization		1,500
Fuel		4,000
Engineering supplies and rentals		5,000
Assays	800 @ $17	13,600
Report preparation		5,000
Administration		6,000
		$125,800
Contingencies 20%		25,160
		$150,960

Phase C	Duration: 45 Days	
Geologist	1 @ $200/Day	$ 9,000
Field assistant	1 @ $100/Day	4,500
Expediter/cook	1 @ $120/Day	5,400
Camp barge	315 Mandays @ $60/manday	18,900
Room and board	315 Mandays @ $20/manday	6,300
Radio communications		1,500
Mobilization		6,500
Air fares and freight		2,500
4 X 4 Truck		2,250
Heavy equipment rentals	21 Days @ $500/Day	10,500
Supply boat operation	45 Days @ $30	1,350
Helicopter		5,600
Demobilization		6,500
Diamond drilling BQ 1,600 M X $90/metre		144,000
Drill moves		16,000
Core boxes		1,800
Engineering supplies and rentals		3,000
Fuel		8,000
Assays	600 @ $117	10,200
Report preparation		5,000
Administration		4,500
		$273,300
Contingencies 20%		54,600
		$327,960
Total of Phases A, B and C		$478,920

VI STATEMENT OF COSTS 1983 FIELD SEASON

VI.1 Geological

Wages and Salaries

Engineer:			
	June 27 to July 15	15 Days @ $150/Day	$2,250.00
	July 17 to Aug 6	21 Days @ $150/Day	3,150.00
	Aug 7 to Sept 5	30 Days @ $150/Day X 75%	3,375.00
	Sept 6 to Oct 17	42 Days @ $150/Day X 25%	1,575.00
Field Assistant:			
	June 27 to July 15	15 Days @ $60/Day	900.00
	July 17 to Aug 6	21 Days @ $60/Day	1,260.00
	Aug 7 to Sept 5	30 Days @ $60/Day X 75%	1,350.00
	Sept 6 to Oct 17	42 Days @ $60/Day X 50%	1,260.00
		TOTAL WAGES	$15,120.00

Camp Costs

Tent camp equipment	$1,300.94	
Food	504.00	
Barge camp 76.5 mandays @ $57.47	4,396.24	
Room and board (barge) 76.5 mandays @ $38.41	2,938.37	
	TOTAL CAMP COSTS	$ 9,139.55

Transportation

Surface	$ 207.08	
Supply boat	600.81	
Air fares and freight	586.22	
	TOTAL TRANSPORTATION	$ 1,394.11

Misc

Engineering supplies, rentals and copies	$6,025.19	
Assays	5,115.00	
Report preparation	1,200.00	
Administration	625.72	
	TOTAL MISC	$12,965.91
	TOTAL GEOLOGICAL EXPENDITURES	$38,619.57

VI.2 Physical

Wages and salaries

Engineer:			
Aug 7 to Sept 5	30 Days @ $150 X 25%	$1,125.00	
Field assistant:			
Aug 7 to Sept 5	30 Days @ $60 X 25%	450.00	
	TOTAL WAGES		$1,575.00

Camp costs

Barge camp 135 Mandays @ $57.47	$7,758.45	
Room and board 135 Mandays @ $38.41	5,185.35	
TOTAL CAMP COSTS		$12,943.80

Transportation

Mobilization	$1,631.58	
Supply boat	858.30	
Air fares and freight	250.00	
Demobilization	1,747.37	
TOTAL TRANSPORTATION		$ 4,487.25

Physical Work

Adit	REHAB:	Contractor labor and supplies	$10,615.30	
		Company supplies	6,497.56	
		Total	17,112.86	
Shaft	REHAB:	Contractor labor and supplies	$ 8,302.70	
		Company supplies	2,159.86	
		Total	10,462.56	
Waste Pass	REHAB:	Contract labor and supplies	$ 6,660.45	
		Company supplies	693.92	
			7,354.37	
		TOTAL PHYSICAL WORK		$34,929.79

Misc

Fuel	$ 3,305.25	
U/G Equipment rentals	1,799.66	
Engineering supplies, etc.	250.00	
Report preparation	500.00	
Administration	1,582.40	
TOTAL MISC		$ 7,437.31
TOTAL PHYSICAL EXPENDITURES		$61,373.15

VI.3 Diamond Drilling

Wages and salaries

Engineer:			
Sept 6 to Oct 17	42 Days @ $150/Day X 75%	$ 4,725.00	
Field Assistant:			
Sept 6 to Oct 17	42 Days @ $60/Day X 50%	1,260.00	
TOTAL WAGES			$ 5,985.00

Camp costs

Barge camp	262.5 Mandays X $57.47	$15,085.88	
Room and board	262.5 Mandays X $38.41	10,082.63	
TOTAL CAMP COSTS			$25,168.51

Transportation

Mobilization	$ 4,568.42	
Supply boat	1,201.62	
Air fares and freight	922.44	
Demobilization	4,892.63	
TOTAL TRANSPORTATION		$11,585.11

Diamond Drilling

Drill station preparation	$10,111.95	
Drilling	34,824.50	
Core boxes	660.00	
TOTAL DIAMOND DRILLING		$45,596.45

Misc

Fuel	$9,254.71	
Plant operating costs	4,020.00	
U/G Equipment rentals	5,039.04	
Engineering supplies, etc.	1,508.39	
Assays	5,407.25	
Report preparation	1,200.00	
Administration	2,492.82	
TOTAL MISC		$28,922.21
TOTAL DIAMOND DRILLING		$117,257.54

VII REFERENCES

B.C. Department of Mines Annual Reports of 1897, 1898, 1898, 1900, 1920, 1923, 1926, 1927, 1928, 1929, 1930, 1933, 1934, 1940

1931 Mellum, R.S. - Private Report on the Alexandra, Premier Gold Mining Co.

1947 Stevenson, J.S. - Lode Gold Deposits, Southwestern B.C., B.C. Dept. of Mines, Bull 20, Pt IV

1976 Macleod, J.W. - Geochemical Report, Enid Julie Group

1978 Mindep File, B.C. Dept. of Mines

1980a Geological Report, Alexandria Claim Group, G.A. Noel and Assoc. (July 1980)

1980b Geological and Geochemical Report, Alexandria Claim Group, G.A. Noel and Assoc (October 1980)

VIII CERTIFICATE OF QUALIFICATIONS

I, Gregory H. Carriere, with a business address of #906-626 West Pender Street in the City of Vancouver, do hereby certify that:

a) I am a registered member, in good standing, of the Association of Professional Engineers of British Columbia.

b) I have been a practicing mine engineer for the past six years and have been associated with the mining industry for nine years.

c) I am a graduate of Queens University with a B.Sc. (Honours Mining Engineering).

d) The fieldwork on which this report is based, was done under my supervision.

e) I have no interest in any mining claims within 20 kilometres of the Alexandria Property.

f) Charlemagne Resources Ltd. is hereby given permission to reproduce this report, or any part of it, for the purposes of raising funds, provided, however that no portion may be used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

Vancouver, British Columbia
January 3, 1984

Gregory H. Carriere, P. Eng.

APPENDIX A: Assay Certificates

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
906-626 W. Pender St.,
Vancouver, B.C.

PROJECT No.
DATE: Sept.5/83.
File No. 3-902

SAMPLE No.	Ag oz/ton	Au oz/ton				
254	.01	.002				
255	.01	.002				
256	.01	.001				
257	.01	.001				
260	.01	.001				
261	.01	.001				
262	.01	.001				
263	.01	.001				
264	.01	.001				
265	.01	.001				
279	.02	.010				
280	.01	.003				
281	.03	.013				
285	.01	.002				
286	.01	.006				
289	.04	.018				
290	.01	.011				
291	.02	.020				
292	.02	.011				
297	.01	.010				
298	.01	.018				
299	.20	.099				
300	.48	.112				
303	.01	.002				
304	.02	.001				
305	.05	.001				
306	.01	.001				
307	.01	.001				
309	.02	.002				
310	.02	.001				

MINE-EN Laboratories Ltd.
CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
906-626 W. Pender St.,
Vancouver, B.C.

PROJECT No.

DATE: Sept.5/83.

File No. 3-902

SAMPLE No.	Ag oz/ton	Au oz/ton				
311	.01	.001				
312	.01	.004				
313	.01	.003				
314	.02	.009				
315	.02	.013				
316	.01	.001				
317	.01	.017				
318	.01	.039				
319	.08	.057				
320	.01	.010				
321	.01	.002				
322	.01	.003				
323	.01	.012				
324	.02	.007				
325	.03	.009				
326	.01	.050				
327	.01	.001				
328	.01	.001				
329	.09	.019				
330	.01	.022				
331	.18	.135				
332	.03	.037				
333	.02	.008				
334	.02	.011				
335	.01	.001				
336	.01	.020				
337	.01	.002				
338	.01	.001				
339	.01	.001				
340	.02	.008				

MINE-EN Laboratories Ltd.

CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Oil & Gas,
906-626 W. Pender St.,
Vancouver, B.C.

PROJECT No.

DATE: Sept/5/83.

File No. 3-902

SAMPLE No.	Ag oz/ton	Au oz/ton				
341	.01	.001				
342	.01	.001				
343	.01	.010				
344	.01	.038				
345	.01	.004				
346	.01	.001				
347	.01	.010				
348	.01	.019				
349	.01	.002				
350	.01	.019				
351	.01	.009				
352	.01	.008				
353	.01	.051				
354	.01	.010				
355	.01	.019				
356	.01	.009				
357	.01	.001				
358	.01	.003				
359	.01	.001				
360	.01	.009				

MINE-EN Laboratories Ltd.

CERTIFIED BY: .....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
906-626 W. Pender St.,
Vancouver, B.C.

PROJECT No.
DATE: Sept.21/83.
File No. 3-1007

SAMPLE No.	Ag oz/ton	Au oz/ton				
250	.02	.001				
251	.02	.002				
252	.01	.001				
253	.04	.001				
258	.02	.001				
259	.04	.001				
266	.02	.001				
267	.06	.001				
268	.02	.001				
269	.03	.001				
270	.01	.001				
271	.07	.001				
272	.04	.001				
273	.11	.021				
274	.12	.030				
275	.10	.038				
276	.10	.001				
277	.04	.001				
278	.12	.001				
282	.08	.001				
283	.13	.010				
284	.17	.017				
287	.12	.028				
288	.16	.009				
293	.31	.033				
294	.22	.060				
296	.13	.024				
301	.32	.089				
302	.10	.001				
308	.12	.002				

MINE-EN Laboratories Ltd.
CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
906-626 W. Pender St.,
Vancouver, BC

PROJECT No.

DATE: Sept.21/83.

File No. 3-1007

SAMPLE No.	Ag oz/ton	Au oz/ton				
361	.03	.010				
364	.21	.017				
366	.15	.011				
383	2.20	.523				
386	.22	.029				
387	1.78	.329				
388	.14	.009				
389	4.50	.777				
390	.20	.011				
391	.13	.006				
392	.20	.002				
393	1.35	.248				
394	.44	.038				
No Nbr 365	.12	.038				
363	.03	.009				

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Sept.27/83.
File No. 3-1051

SAMPLE No.	Ag oz/ton	Au oz/ton				
362	.21	.102				
365	.60	.192				
367	.02	.016				
368	.36	.140				
369	.70	.273				
370	.03	.014				
371	.76	.338				
372	.01	.019				
373	.54	.250				
374	.01	.028				
375	.37	.141				
376	.01	.004				
377	1.30	.705				
378	1.02	.457				
379	.09	.025				
380	.15	.068				
381	.44	.188				
382	.10	.040				
384	.93	.138				
385	.06	.022				
395	.03	.029				
396	.01	.020				
488	.12	.038				
489	.66	.198				
490	.03	.022				
491	.12	.013				
492	.08	.007				
493	.02	.004				
494	.03	.015				
495	.02	.031				

MINE-EN Laboratories Ltd.

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Sept.27/83.
File No. 3-1051

SAMPLE No.	Ag oz/ton	Au oz/ton				
496	.01	.003				
497	.01	.011				
498	.02	.027				
499	1.30	.640				
500	.02	.029				
501	.40	.130				
502	.01	.007				
503	.01	.021				
504	3.42	2.390				
505	.18	.080				
506	.02	.013				
507	.21	.145				
508	.01	.004				
509	2.50	1.630				
510	.23	.124				
511	.01	.070				
512	.01	.020				
14001	.02	.002				
02	.06	.002				
03	.02	.001				
04	.03	.001				
05	.01	.002				
06	.02	.002				
07	.01	.001				
08	.02	.001				
09	.01	.002				
10	.02	.001				
11	.01	.002				
12	.01	.001				
14013	.10	.010				

MINE-EN Laboratories Ltd.

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Sept.27/83.
File No. 3-1051

SAMPLE No.	Ag oz/ton	Au oz/ton				
14014	.01	.001				
15	.01	.001				
16	.01	.001				
17	.01	.001				
18	.06	.002				
19	.02	.001				
20	.02	.046				
21	.03	.020				
22	.03	.022				
23	.03	.020				
24	.03	.027				
14025	.02	.004				
26	.03	.005				
27	.04	.020				
28	.04	.021				
29	.12	.072				
30	.02	.014				
31	.01	.040				
32	.02	.011				
33	.01	.002				
34	.01	.003				
35	.03	.001				
36	.01	.003				
37	.02	.012				
38	.01	.001				
39	.01	.003				
40	.02	.023				
41	.01	.017				
42	.02	.039				
14043	.02	.008				

MINE-EN Laboratories Ltd.
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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Sept.28/83.
File No. 3-1051

SAMPLE No.	Ag oz/ton	Au oz/ton				
14044	.02	.010				
45	.04	.021				
46	.02	.022				
47	.01	.004				
48	.01	.005				
49	.02	.068				
14050	.02	.002				
576	.01	.001				
577	.01	.002				
14051	.01	.011				
52	.03	.020				
53	.02	.021				
54	4.29	2.730				
55	.01	.017				
56	.01	.008				
57	.03	.001				
58	.01	.001				
59	.04	.001				
60	.03	.001				
61	.02	.001				
62	.02	.001				
63	.01	.009				
64	.01	.002				
65	.03	.001				
66	.02	.007				
67	.02	.002				
68	.02	.002				
69	.01	.001				
70	.02	.011				
14071	.01	.004				

MINE-EN Laboratories Ltd.
CERTIFIED BY: .....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Sept.28/83.
File No. 3-1051

SAMPLE No.	Ag oz/ton	Au oz/ton				
14072	.01	.002				
73	.22	.071				
74	.17	.091				
75	.09	.057				
14076	.01	.009				

MINE-EN Laboratories Ltd.
CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources
General Delivery,
Blind Channel, B.C.

PROJECT No. Alexandria
DATE: Sept. 30/83
File No. 3-1071

SAMPLE No.	Ag oz/ton	Au oz/ton				
541	.10	.030				
42	1.51	.786				
43	.02	.089				
44	.48	.174				
45	.60	.332				
46	.39	.105				
47	.79	.326				
48	.10	.030				
49	.09	.052				
550	.22	.142				
14077	.10	.012				
78	.03	.001				
79	.11	.078				
80	.01	.018				
81	.01	.017				
82	.03	.011				
83	.01	.007				
84	.01	.008				
85	.01	.009				
86	.01	.009				
87	.02	.017				
88	.01	.001				
89	.01	.003				
14090	.01	.011				

MINE-EN Laboratories Ltd.

CERTIFIED BY: .....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Oct.1/83.
File No. 3-1098

SAMPLE No.	Ag	Au				
	oz/ton	oz/ton				
0551	.01	.009				
52	.19	.111				
53	.10	.079				
54	.02	.029				
55	.01	.019				
56	.81	.432				
57	.11	.039				
58	1.18	.457				
59	.12	.052				
60	.90	.350				
61	.10	.039				
62	.81	.239				
63	.21	.067				
64	.01	.011				
65	1.00	.351				
66	.21	.091				
0567	.12	.051				
14091	.01	.002				
92	.01	.001				
93	.01	.001				
94	.01	.001				
95	.01	.002				
96	.01	.001				
97	.01	.001				
98	.01	.002				
14099	.01	.002				
14100	.01	.002				
01	.01	.002				
02	.01	.008				
14103	.02	.003				

MINE-EN Laboratories Ltd.
CERTIFIED BY: .....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Oct.1/83.
File No. 3-1098

SAMPLE No.	Ag oz/ton	Au oz/ton				
14104	.01	.006				
05	.01	.019				
06	.01	.008				
07	.01	.002				
08	.01	.001				
09	.01	.002				
10	.01	.018				
11	.01	.022				
12	.02	.017				
13	.09	.041				
14	.01	.013				
15	.01	.002				
16	.01	.008				
17	.01	.019				
18	.01	.001				
19	.01	.001				
20	.01	.003				
21	.01	.003				
22	.01	.002				
14123	.01	.029				
526	.01	.013				
527	.01	.008				
528	.01	.010				
529	.80	.407				
530	.59	.329				
531	.02	.021				
532	.78	.496				
533	.09	.049				
534	.49	.203				
535	.71	.140				

MINE-EN Laboratories Ltd.
CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
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Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No: Alexandria
DATE: Oct.1/83.
File No. 3-1098

SAMPLE No.	Ag oz/ton	Au oz/ton				
536	2.82	2.585				
537	.05	.030				
538	1.51	.621				
539	.18	.068				
540	.30	.145				
14124	.01	.003				
25	.01	.002				
26	.01	.003				
27	.01	.001				
28	.01	.009				
29	.01	.009				
30	.01	.003				
31	.01	.001				
32	.01	.001				
33	.01	.002				
34	.01	.001				
35	.01	.004				
36	.01	.002				
37	.01	.001				
38	.01	.003				
39	.01	.002				
40	.01	.001				
41	.01	.001				
42	.01	.001				
43	.02	.001				
44	.02	.001				
45	.01	.001				
46	.01	.001				
47	.02	.001				
14148	.01	.001				

MINE-EN Laboratories Ltd.

CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Oct.1/83.
File No. 3-1098

SAMPLE No.	Ag oz/ton	Au oz/ton				
14149	.01	.001				
14150	.01	.001				

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

c/o 505-750 W. Pender St.,

Vancouver, B.C.

PROJECT No. Alexandria

DATE: Oct. 6/83

File No. 3-1154

SAMPLE No.	Ag oz/ton	Au oz/ton				
14170	.79	.519				
171	.06	.009				
172	.02	.002				
173	.01	.008				
174	.01	.002				
175	.02	.008				
176	.01	.001				
177	.01	.002				
178	.01	.001				
179	.01	.001				
180	.08	.002				
181	.01	.002				
182	.01	.001				
183	.01	.001				
184	.01	.002				
185	.01	.001				
186	.01	.002				
187	.02	.001				
188	.01	.002				
189	.01	.001				
190	.01	.002				
191	.01	.001				
192	.01	.002				
193	.01	.001				
194	.01	.001				
195	.01	.001				
196	.10	.031				
197	.27	.121				
198	.51	.187				
14199	.09	.021				

MINE-EN Laboratories Ltd.

CERTIFIED BY: R. Eric Pratt

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

c/o 505-750 W. Pender St.,

Vancouver, B.C.

PROJECT No. Alexandria

DATE: Oct. 6/83

File No. 3-1154

SAMPLE No.	Ag oz/ton	Au oz/ton				
14200	1.31	.370				
201	.01	.008				
202	2.47	1.275				
203	.01	.007				
204	.17	.069				
205	.01	.002				
206	.19	.067				
14207	.40	.174				

MINE-EN Laboratories Ltd:

CERTIFIED BY:

COMPA Charlemagne Resources

PROJECT No.: Alexandria

ATTENTION: G. Carriere

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 3-1154

DATE: Oct. 6, 1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
14238							0.6					10
39							0.9					10
40							0.8					5
41							0.6					10
42							1.0					15
43							0.7					5
44							0.6					5
45							0.8					5
46							0.9					10
47							1.1					5
14248							1.1					5

CERTIFIED BY

COMPANY: Charlemagne Res.

PROJECT No.: Alexandria

ATTENTION: G. Carriere

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 3-1154

DATE: Oct. 6, 1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
14208							1.4					485
09							1.6					440
10							1.16					4100
11							2.45					7500
12							3.5					550
13							4.7					1920
14							6.70					25500
15							4.5					2100
16							1.18					5300
17							1.3					200
18							1.0					50
19							0.8					120
20							0.7					30
21							1.2					130
22							1.7					310
23							1.1					20
24							1.4					520
25							1.5					80
26							0.5					10
27							0.9					10
28							0.4					5
29							0.8					5
30							0.6					5
31							0.4					5
32							0.9					5
33							0.6					5
34							0.5					5
35							1.0					5
36							0.7					5
14237							1.5					105

*Some of these samples should have been requested for assay.

CERTIFIED BY

COMPANY: Charlemagne Resources

PROJECT No.: _____

ATTENTION: G. Carriere

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

F. No. 3-1194

DATE: Oct. 7 1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
14291							15					650
92							630					11000
93							262					7000
94							58					1800
14295							33					575
14302							18					80
			*Some of these samples should have been requested for assay.									

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Oct. 8/83
File No. 3-1126

SAMPLE No.	Ag oz/ton	Au oz/ton				
0431	.02	.001				
32	.03	.001				
33	.01	.001				
34	.01	.001				
35	.01	.001				
36	.01	.001				
37	.01	.001				
38	.01	.001				
39	.01	.001				
40	.01	.003				
41	.01	.002				
42	.03	.001				
43	.02	.004				
44	.02	.002				
45	.03	.029				
46	.01	.001				
47	.01	.001				
48	.01	.010				
49	.01	.001				
50	.01	.018				
51	.03	.001				
52	.02	.001				
53	.03	.002				
54	.51	.298				
55	.09	.002				
56	.09	.010				
57	.09	.008				
58	.02	.001				
0459	.02	.003				
14151	.01	.001				

MINE-EN Laboratories Ltd.

CERTIFIED BY: R. Craig Smith

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Oct.8/83.
File No. 3-1126

SAMPLE No.	Ag oz/ton	Au oz/ton				
14152	.03	.001				
53	.01	.001				
54	.01	.033				
55	.02	.001				
56	.02	.001				
57	.01	.009				
58	.06	.019				
59	.01	.002				
60	.02	.002				
61	.01	.003				
62	.02	.001				
63	.01	.001				
64	.02	.008				
65	.08	.010				
66	.10	.027				
67	.20	.070				
68	.23	.099				
14169	.10	.032				

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CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources
505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: October 11/83
File No. 3-1154R

SAMPLE No.	Ag oz/ton	Au oz/ton				
14208	.01	.021				
09	.02	.026				
10	.40	.130				
11	.89	.293				
12	.10	.028				
13	.19	.061				
14	2.70	1.200				
15	.13	.060				
16	.49	.226				
17	.01	.010				
18	.02	.003				
19	.01	.006				
20	.01	.002				
21	.01	.011				
22	.03	.019				
23	.02	.002				
24	.01	.028				
25	.09	.003				
26	.01	.001				
27	.01	.001				
28	.01	.001				
29	.01	.001				
30	.01	.001				
31	.02	.001				
32	.01	.001				
33	.01	.001				
34	.01	.001				
35	.01	.001				
36	.01	.001				
14237	.01	.008				

MINE-EN Laboratories Ltd.
CERTIFIED BY: Bruce Ennis

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

c/o 505-750 W. Pender St.,

Vancouver, B.C.

PROJECT No. Alexandria

DATE: October 11/83

File No. 3-1154R

SAMPLE No.	Ag oz/ton	Au oz/ton				
14238	.01	.001				
39	.02	.001				
40	.01	.001				
41	.01	.001				
42	.03	.001				
43	.01	.001				
44	.01	.001				
45	.01	.001				
46	.01	.001				
47	.01	.001				
14248	.01	.001				

MINE-EN Laboratories Ltd.

CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

c/o 505-750 W. Pender st.,

Vancouver, B.C.

PROJECT No. Alexandria

DATE: October 11/83

File No. 3-1194

SAMPLE No.	Ag	Au				
	oz/ton	oz/ton				
14296	.01	.001				
97	.01	.001				
98	.01	.001				
299	.01	.001				
300	.02	.001				
01	.01	.001				
03	.01	.001				
04	.01	.001				
05	.01	.001				
06	.01	.010				
07	.01	.009				
08	.01	.002				
09	.01	.001				
10	.01	.001				
11	.02	.001				
12	.01	.001				
14313	.01	.001				

MINE-EN Laboratories Ltd.

CERTIFIED BY: .....

MIN-EN LABORATORIES LTD.
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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

c/o 505-750 W. Pender St.,

Vancouver, B.C.

PROJECT No.

DATE: October 11/83

File No. 3-1194R

SAMPLE No.	Ag oz/ton	Au oz/ton				
14291	0.09	.020				
92	2.00	.910				
93	1.01	.452				
94	0.23	.080				
14295	0.13	.029				
14302	0.09	.007				

MINE-EN Laboratories Ltd.

CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

PROJECT No. Alexandria

906-626 W. Pender St.,

DATE: October 11/83

Vancouver, B.C.

File No. 3-1182

SAMPLE No.	Ag oz/ton	Au oz/ton				
14249	.02	.001				
50	.01	.001				
51	.01	.001				
52	.01	.001				
53	.01	.001				
54	.01	.001				
55	.01	.001				
56	.01	.001				
57	.01	.001				
58	.01	.001				
59	.01	.001				
60	.02	.001				
61	.01	.001				
62	.01	.007				
63	.01	.002				
64	.01	.001				
65	.01	.001				
66	.01	.002				
67	.02	.008				
68	.01	.002				
69	.02	.011				
70	.26	.104				
71	.02	.010				
72	.02	.010				
73	.01	.005				
14274	.01	.001				

MINE-EN Laboratories Ltd.

CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
c/o 505-750 W. Pender St.,
Vancouver, B.C.

PROJECT No. Alexandria
DATE: Oct.13/83.
File No. 3-1208

SAMPLE No.	Ag oz/ton	Au oz/ton				
14275	.02	.008				
76	.01	.008				
77	.01	.002				
78	.01	.003				
79	.02	.001				
80	.01	.001				
81	.04	.020				
82	.02	.003				
83	.05	.001				
84	.02	.001				
85	.01	.001				
86	.07	.001				
87	.02	.001				
88	.10	.007				
89	.28	.120				
14290	.13	.042				
14528	.01	.001				
29	.02	.001				
30	.01	.001				
31	.02	.001				
32	.01	.001				
33	.03	.001				
34	.02	.001				
35	.09	.001				
14536	.02	.001				

MINE-EN Laboratories Ltd.
CERTIFIED BY:

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources

906-626 W. Pender St.,

Vancouver, B.C.

PROJECT No. Alexandria Mine

DATE: October 20/83

File No. 3-1248

SAMPLE No.	Ag oz/ton	Au oz/ton				
14314	.02	.001				
15	.05	.001				
16	.02	.001				
17	.04	.001				
18	.02	.001				
19	.02	.001				
20	.01	.001				
21	.03	.001				
22	.01	.001				
23	.01	.001				
24	.01	.001				
25	.01	.001				
26	.01	.001				
27	.02	.001				
28	.01	.001				
29	.03	.001				
30	.01	.001				
31	.04	.001				
32	.02	.001				
33	.08	.001				
34	.01	.001				
35	.01	.001				
36	.01	.001				
37	.01	.001				
38	.01	.001				
39	.02	.001				
40	.01	.001				
14341	.04	.001				

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

COMPANY: Charlemagne Res.

PROJECT No.: Alexandria

ATTENTION: G. Carriere

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

F. No. 3-1291

DATE: Oct. 28 1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
14342							0.3	0.009				15
43							0.5	0.15				10
44							0.4	0.12				20
45							0.8	0.23				115
46							1.0	0.29				35
47							0.6	0.18				30
48							0.9	0.26				5
49							0.4	0.12				5
50							1.7	0.50				280
51							0.4	0.12				10
52							2.5	0.73				235
53							0.6	0.18				15
54							0.6	0.18				5
55							0.7	0.20				10
56							0.8	0.23				5
57							0.6	0.18				15
58							0.7	0.20				60
59							0.5	0.15				5
60							0.5	0.15				10
61							1.6	0.47				75
62							0.6	0.18				25
14363							0.5	0.15				20
521							0.9	0.26				40
522							0.2	0.06				5
523							0.7	0.20				95
524							0.9	0.26				160
525							0.5	0.15				85
14501							0.3	0.09				10
02							1.0	0.29				380
14503							2.1	0.61				670

CERTIFIED BY

COMPANY: Charlemagne Res.

PROJECT No.: Alexandria

ATTENTION: G. Carriere

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 3-1292

DATE: Oct. 28, 1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
14504							0.5	0.01				185	10.05		
14505							2.0	.06				1900	10.55		
14364							1.3	.04				235	.007		
65							1.7	.05				480	.014		
66							3.5	.10				570	.017		
67							0.6	.07				55	.002		
68							3.2	.09				450	.013		
69							1.9	.06				335	.010		
70							1.3	.04				300	.009		
71							2.0	.06				610	.018		
72							1.9	.06				460	.013		
73							4.3	.13				1600	.047		
74							1.2	.04				295	.009		
75							5.4	.16				3000	.088		
76							3.3	.10				1750	.051		
77							1.0	.03				215	.006		
78							1.1	.03				110	.003		
79							6.8	.20				1650	.048		
80							1.3	.04				75	.002		
81							0.5	.01				40	.001		
82							0.5	.01				100	.003		
83							0.4	.01				20	.001		
84							0.3	.01				5	tr		
85							0.5	.01				50	.001		
86							2.0	.06				375	.011		
87							2.25	.66				4300	1.26		
88							2.7	.08				410	.012		
89							0.7	.02				35	.001		
90							0.4	.01				10	tr		
14391							0.4	.01				5			

*Some of these samples should have been requested for assay.

CERTIFIED BY: [signature]

COMPANY: Charlemagne Res.

PROJECT No.: Alexandria

ATTENTION: G.Carriere

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

F. No. 3-1292

DATE: Oct.28 1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
14392							0.5	0.1				5	tr		
93							0.4	0.1				5	tr		
14394							0.5	0.1				5	tr		
513							1.4	0.4				120	0.04		
514							1.3	0.4				135	0.04		
515							0.4	0.1				25	0.01		
516							0.8	0.2				60	0.02		
517							0.3	0.1				35	0.01		
518							1.2	0.4				40	0.01		
519							0.4	0.1				75	0.02		
520							1.3	0.4				125	0.04		

CERTIFIED BY

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Charlemagne Resources,
906-626 W. Pender St.,
Vancouver, B.C.

PROJECT No.

DATE: Nov.1/83.

File No. 3-1292R

SAMPLE No.	Au oz/ton					
14505	.060					
14373	.056					
76	.051					
79	.067					
14387	.130					

MINE-EN Laboratories Ltd.

CERTIFIED BY:

APPENDIX B: Assay and Geological Plans

Legend Used on All Geological Maps

Geological

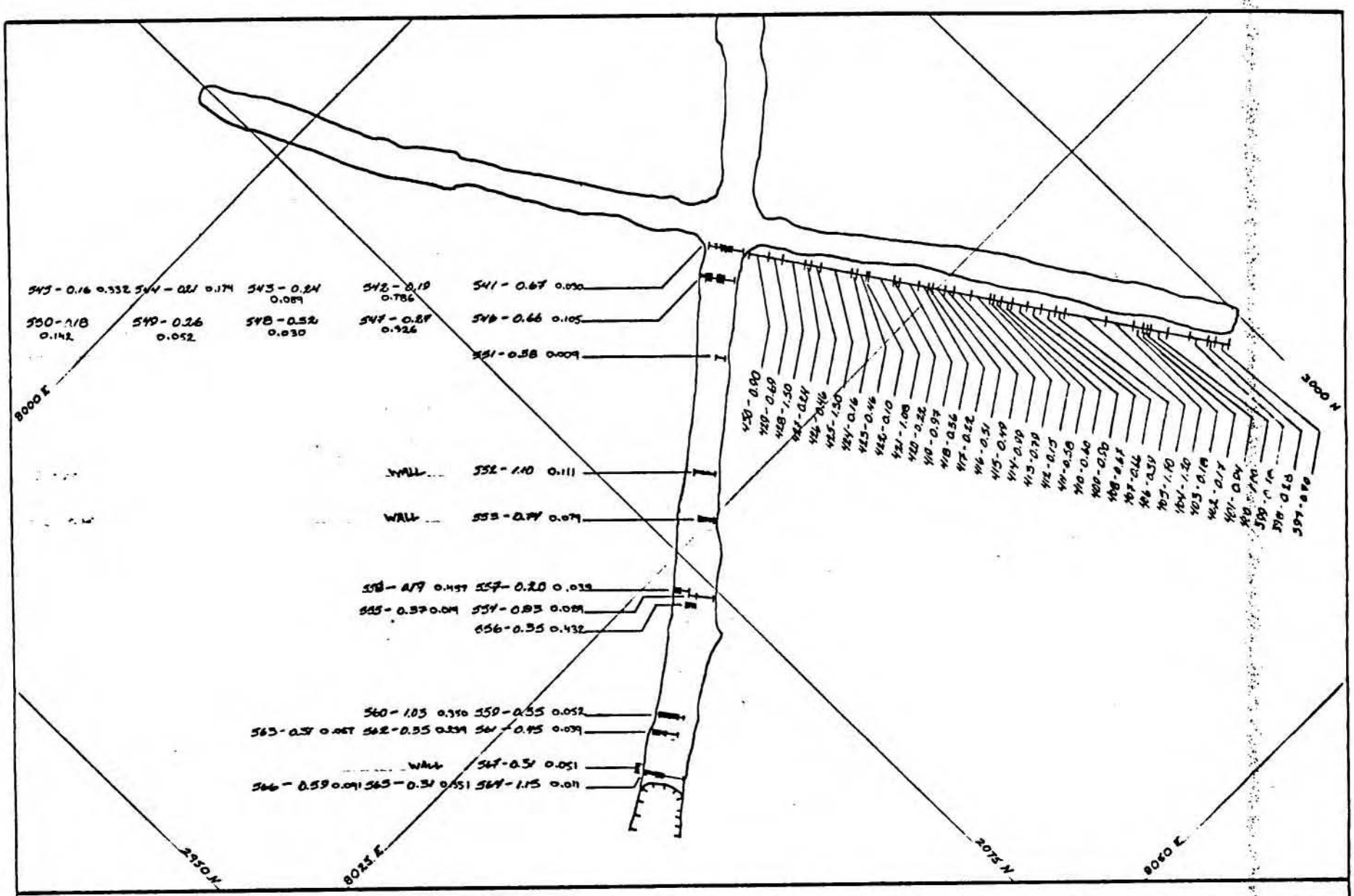
Q1 White vitreous quartz
Q2 White quartz with minor mafics and plagioclase (almost a diorite)
Q3 White to brown sheared (mylonitic) quartz, banding parallell to strike
Q4 Banded gray vitreous quartz with heavy concentrations of pyrite
Q5 Silicified tuff (+ 50% silica)
Q6 Interbedded quartz and mafic material

A Andesite
A5 Tuffaceous Andesite
T Tuff
D Diorite

L Lamprophyre dyke
P Porphrytic dyke
F Feldspathic dyke
H Mafic dykes
B Basalt

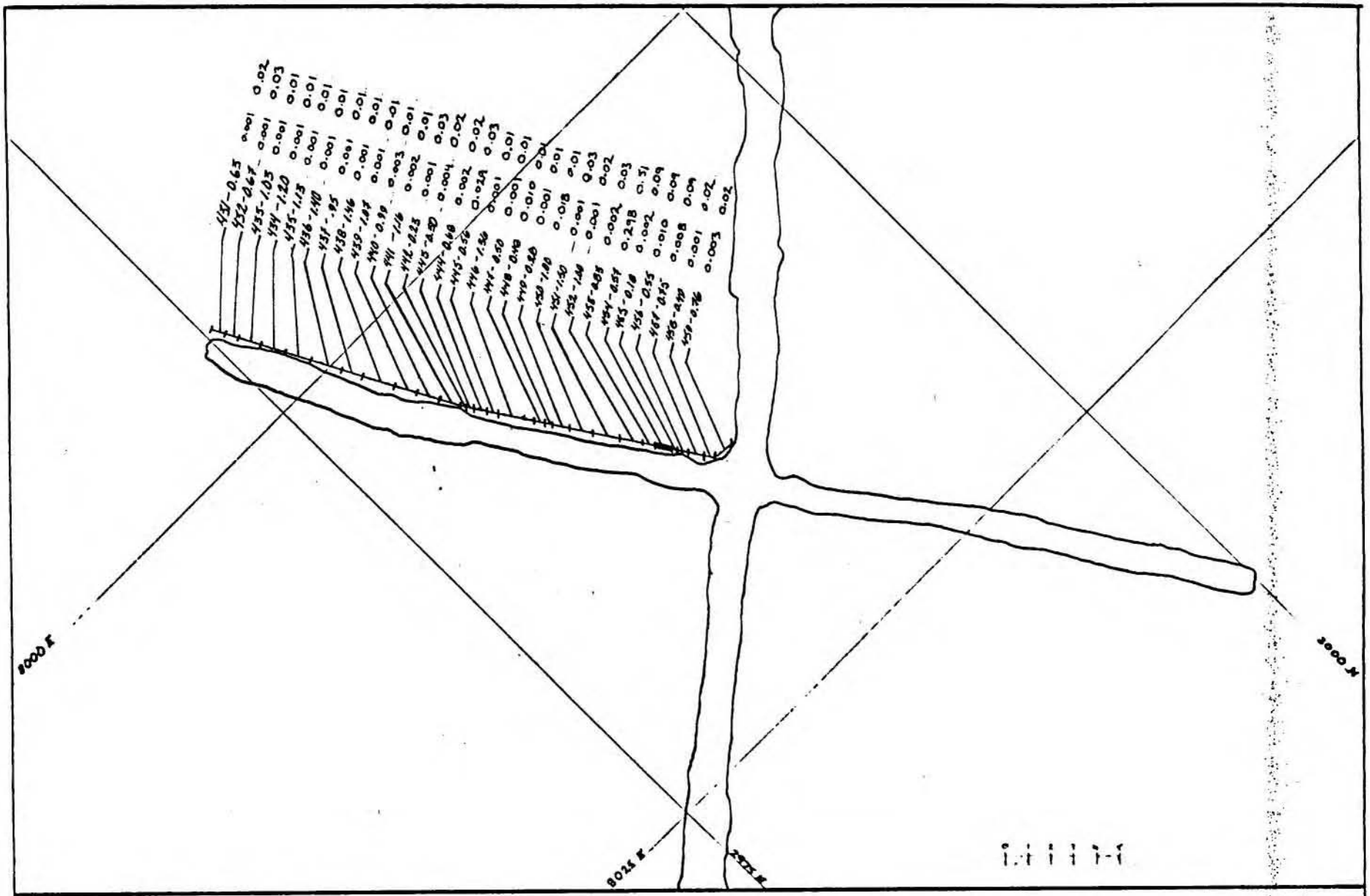
Assay

Sample #, width (metres), gold (oz/T), silver (oz/T)

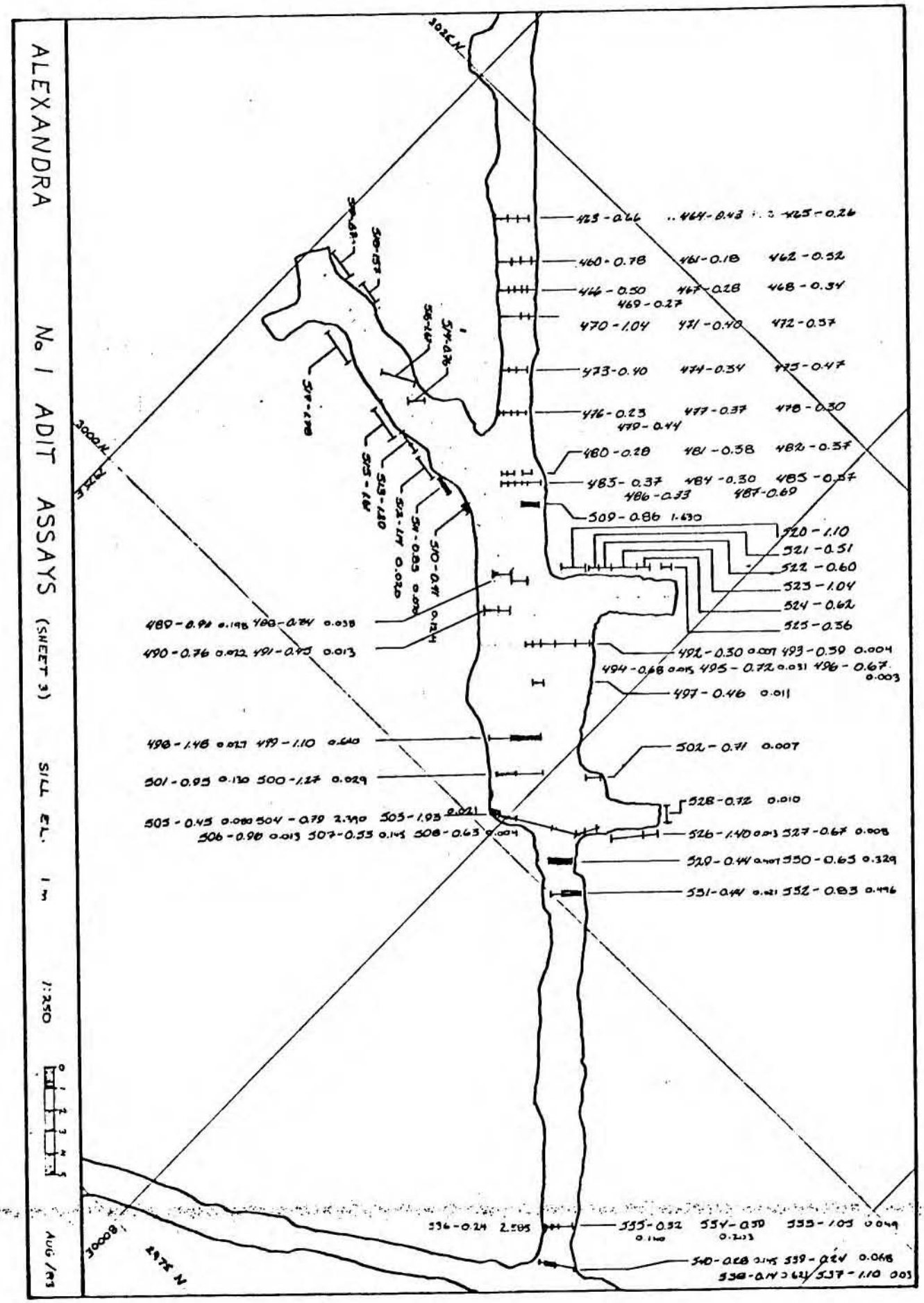


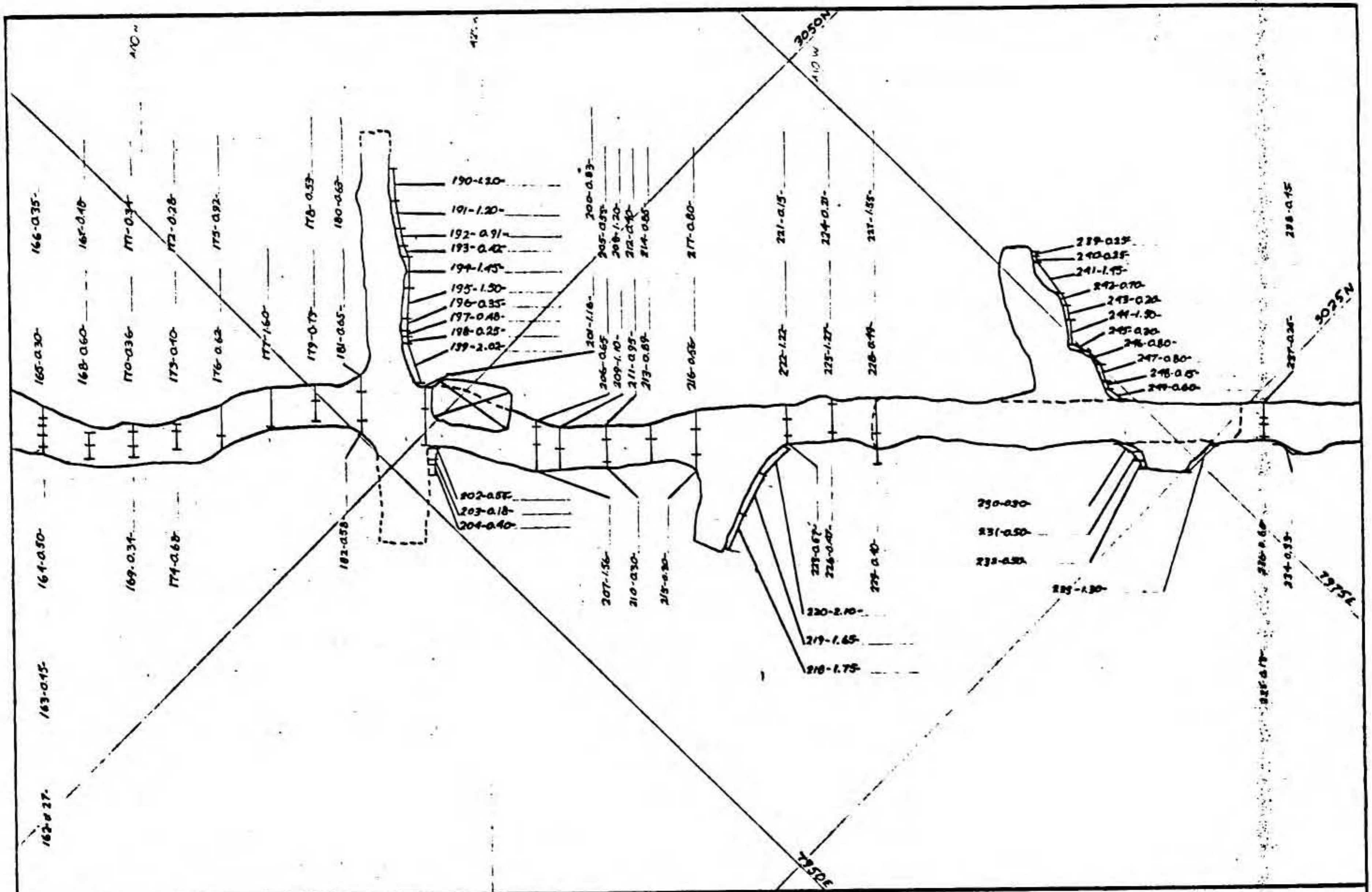
#1 ADIT

ASSAY PLAN (SHEET 1) 1:250 SEPT 21/83

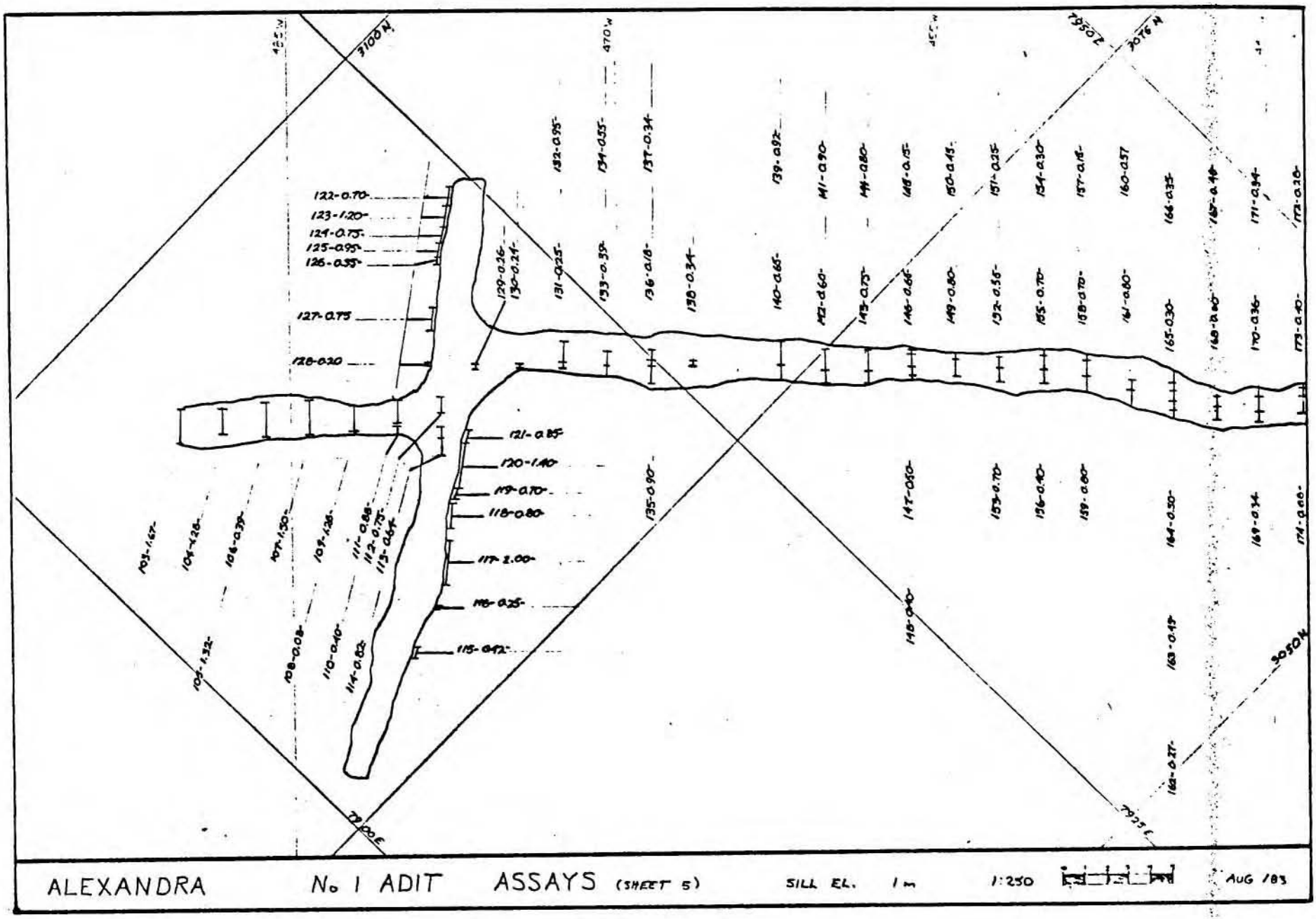


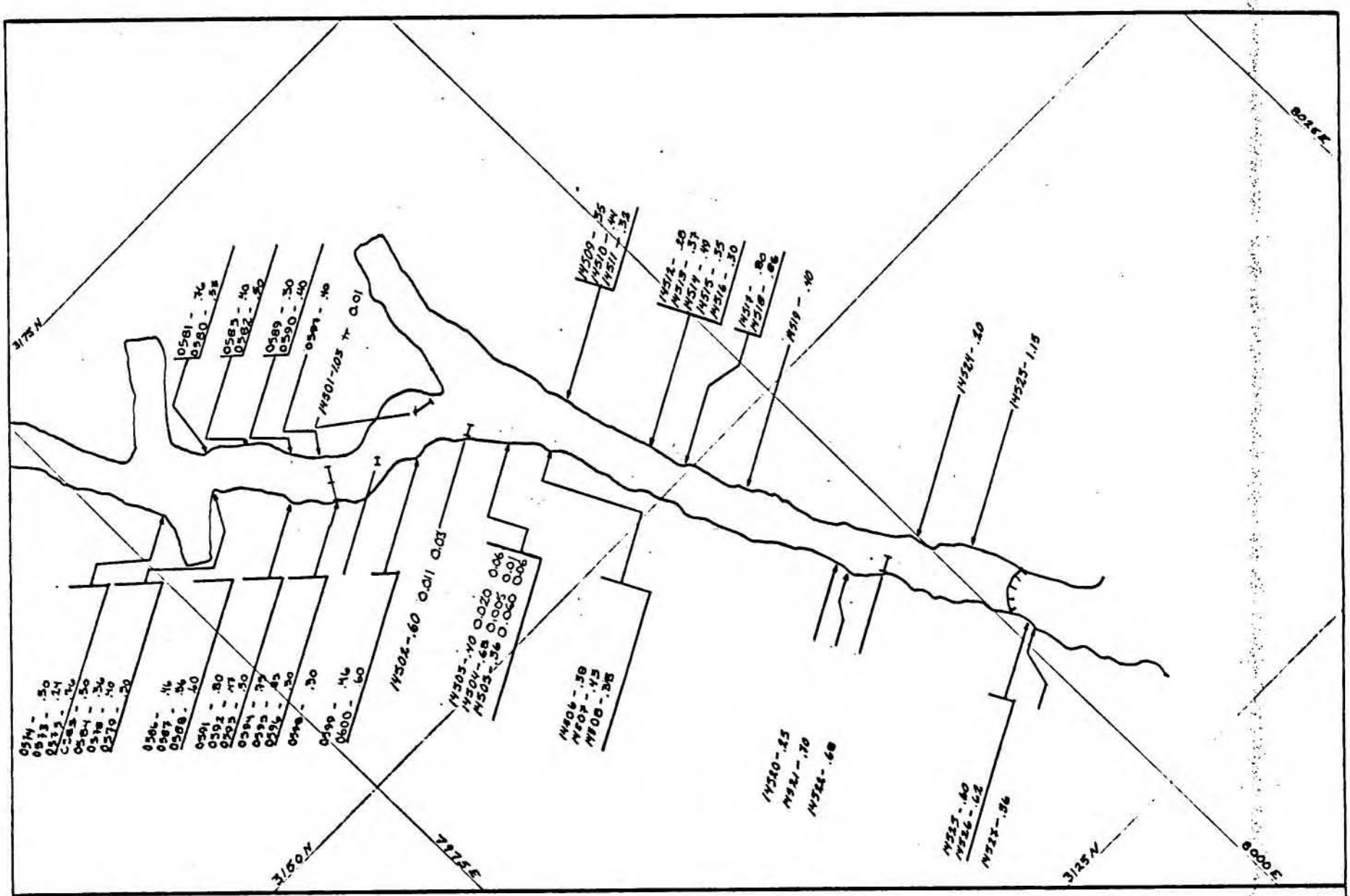
#1 ADIT 338 X CUT S.W. ASSAY PLAN (SHEET 2) 1:250 SEPT 22/85


ALEXANDRA
No 1 ADIT ASSAYS (SHEET 3)
SILL EL. 1 m
1:250
AUG/83
3024N
3000N
2976N
423 - 0.66
464 - 0.43
425 - 0.26
460 - 0.78
461 - 0.18
462 - 0.52
466 - 0.50
467 - 0.28
468 - 0.34
469 - 0.27
470 - 1.04
471 - 0.40
472 - 0.37
473 - 0.40
474 - 0.34
475 - 0.47
476 - 0.23
477 - 0.37
478 - 0.30
479 - 0.44
480 - 0.28
481 - 0.38
482 - 0.37
483 - 0.37
484 - 0.30
485 - 0.37
486 - 0.33
487 - 0.69
509 - 0.86 1.630
520 - 1.10
521 - 0.51
522 - 0.60
523 - 1.04
524 - 0.62
525 - 0.36
489 - 0.92 0.198
488 - 0.84 0.038
490 - 0.76 0.012
491 - 0.75 0.013
492 - 0.30 0.007
493 - 0.39 0.004
494 - 0.68 0.015
495 - 0.72 0.031
496 - 0.67
0.003
497 - 0.46 0.011
498 - 1.48 0.017
499 - 1.10 0.240
502 - 0.71 0.007
501 - 0.95 0.130
500 - 1.27 0.029
528 - 0.72 0.010
503 - 0.45 0.080
504 - 0.79 2.390
505 - 1.93
0.021
506 - 0.98 0.013
507 - 0.53 0.145
508 - 0.63 0.004
526 - 1.40 0.013
527 - 0.67 0.008
529 - 0.44 0.401
530 - 0.65 0.329
531 - 0.41 0.021
532 - 0.83 0.496
536 - 0.24 2.585
535 - 0.32
0.140
534 - 0.30
0.233
533 - 1.03 0.049
540 - 0.68
539 - 0.24 0.068
538 - 0.47
537 - 1.10 0.03

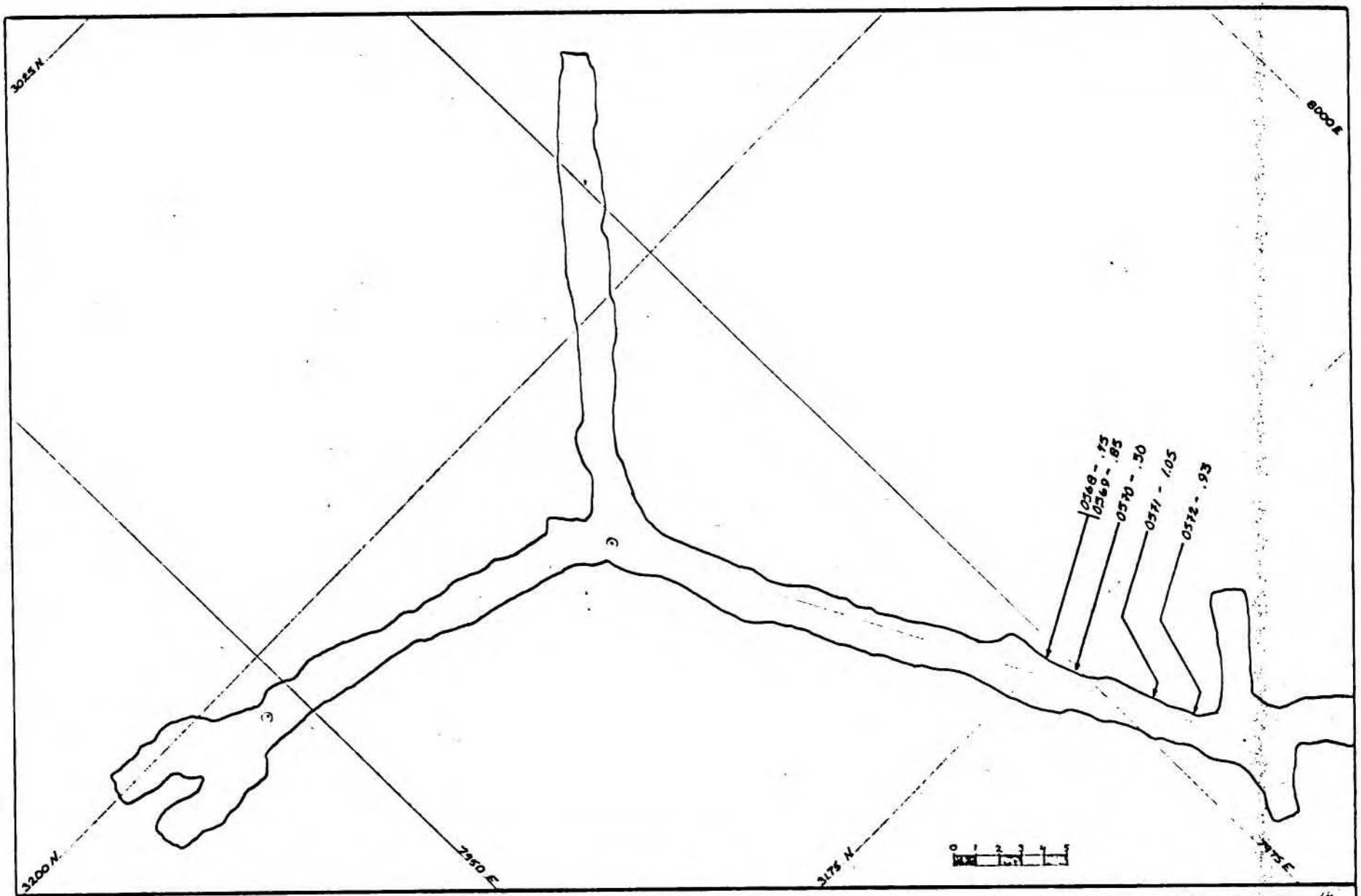


ALEXANDRA No 1 ADIT ASSAYS (SHEET 4) SILL EL 1 m 1:250 AUG/83

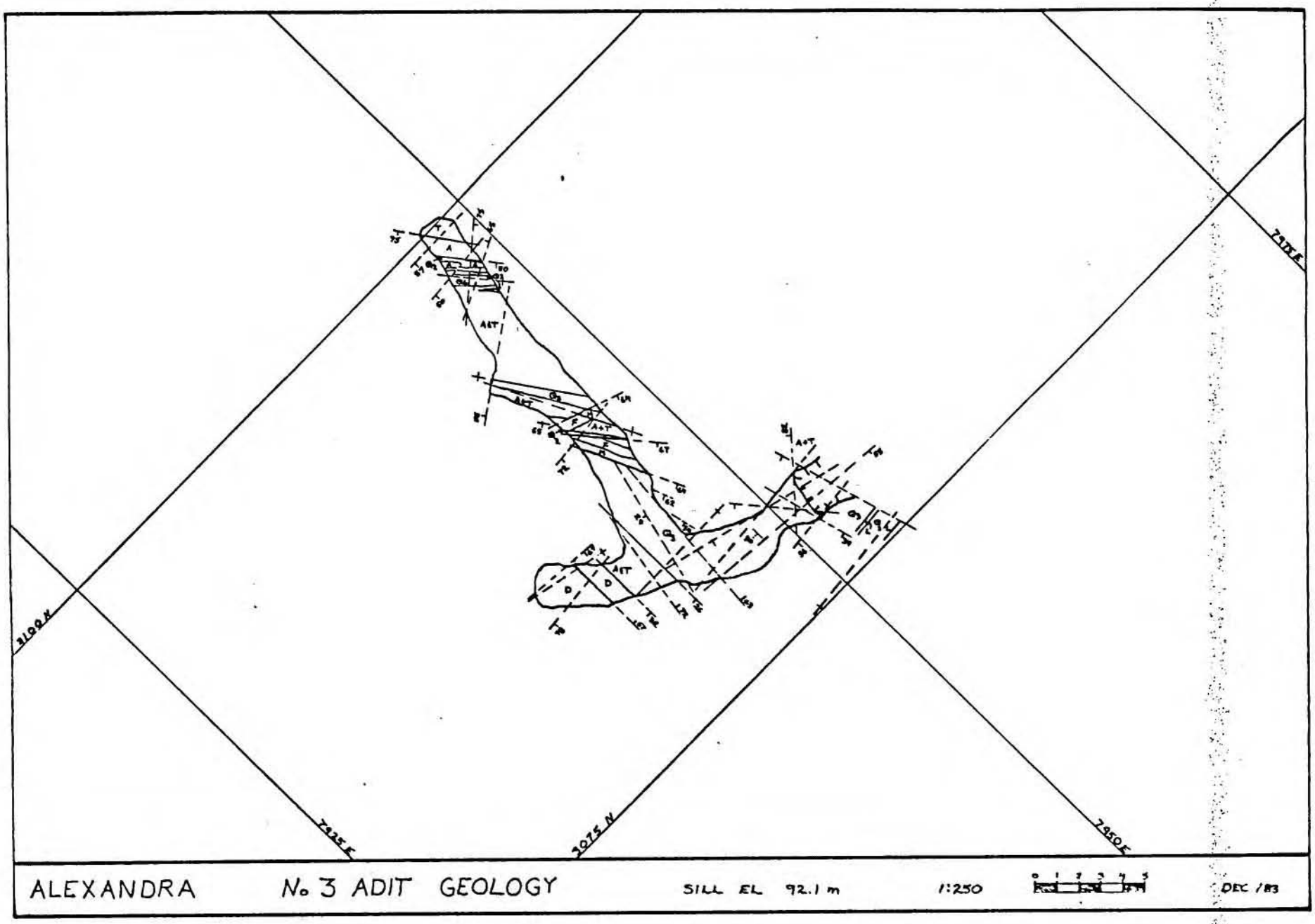

3100 N
3076 N
3050 N
470 W
E
79.00 E
122-0.70
123-1.20
124-0.75
125-0.95
126-0.35
127-0.75
128-0.20
129-0.26
130-0.24
131-0.25
132-0.95
133-0.39
134-0.35
136-0.18
137-0.34
138-0.34
139-0.92
140-0.65
141-0.90
142-0.60
143-0.75
144-0.80
145-0.15
146-0.66
147-0.50
148-0.40
149-0.80
150-0.45
151-0.25
152-0.55
153-0.70
154-0.30
155-0.70
156-0.40
157-0.15
158-0.70
159-0.80
160-0.57
161-0.80
163-0.15
164-0.30
165-0.30
166-0.35
167-0.46
168-0.60
169-0.34
170-0.36
171-0.94
173-0.20
174-0.66
103-1.67
104-1.28
106-0.39
107-1.30
108-0.08
109-1.32
110-0.40
111-0.88
112-0.75
113-0.64
114-0.82
115-0.92
116-0.25
117-2.00
118-0.80
119-0.70
120-1.40
121-0.85
135-0.90
ALEXANDRA
No 1 ADIT ASSAYS (SHEET 5)
SILL EL. 1 m
1:250
AUG 183



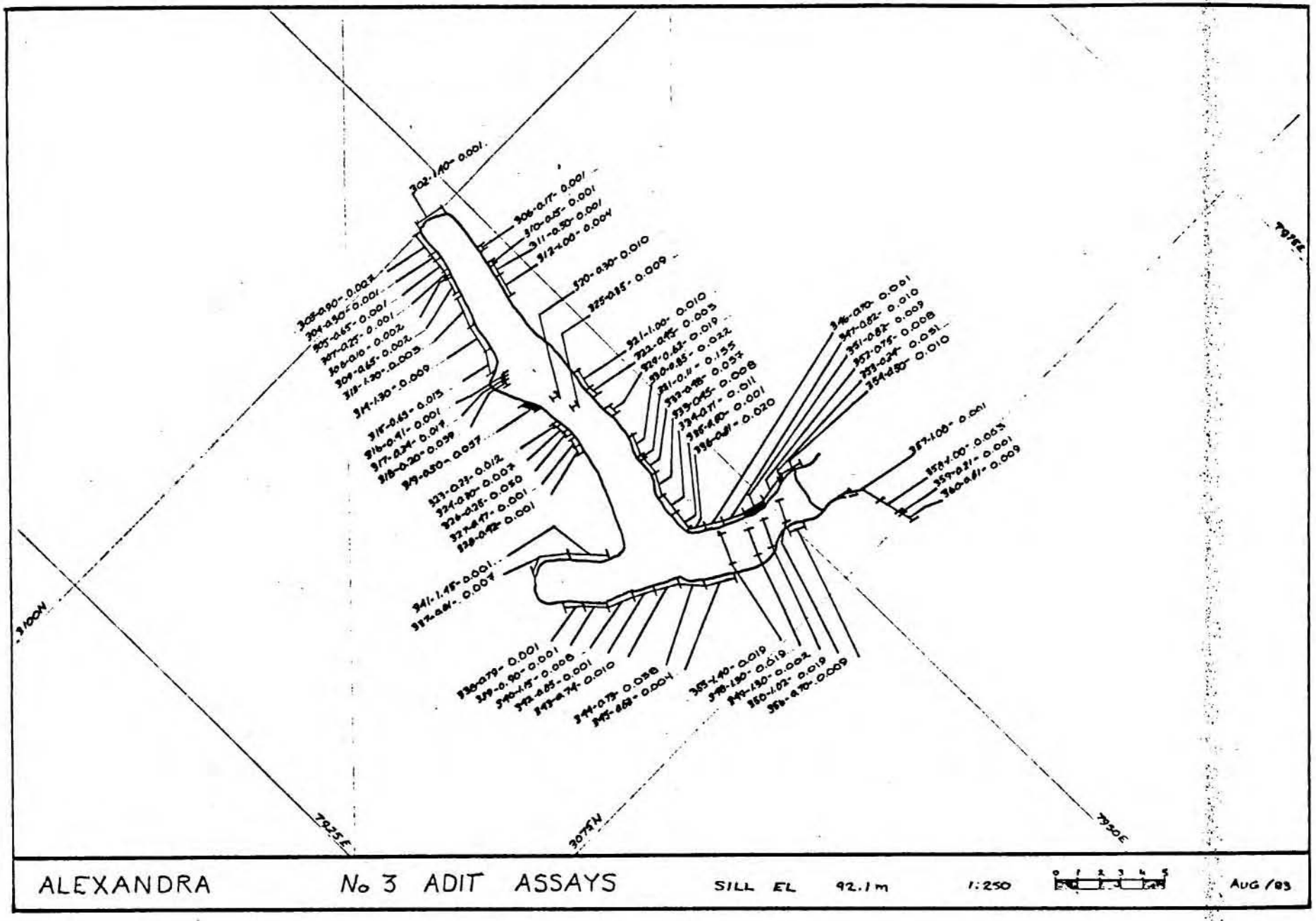
5 ADIT DR 501 ASSAY PLAN 1:250 9127183

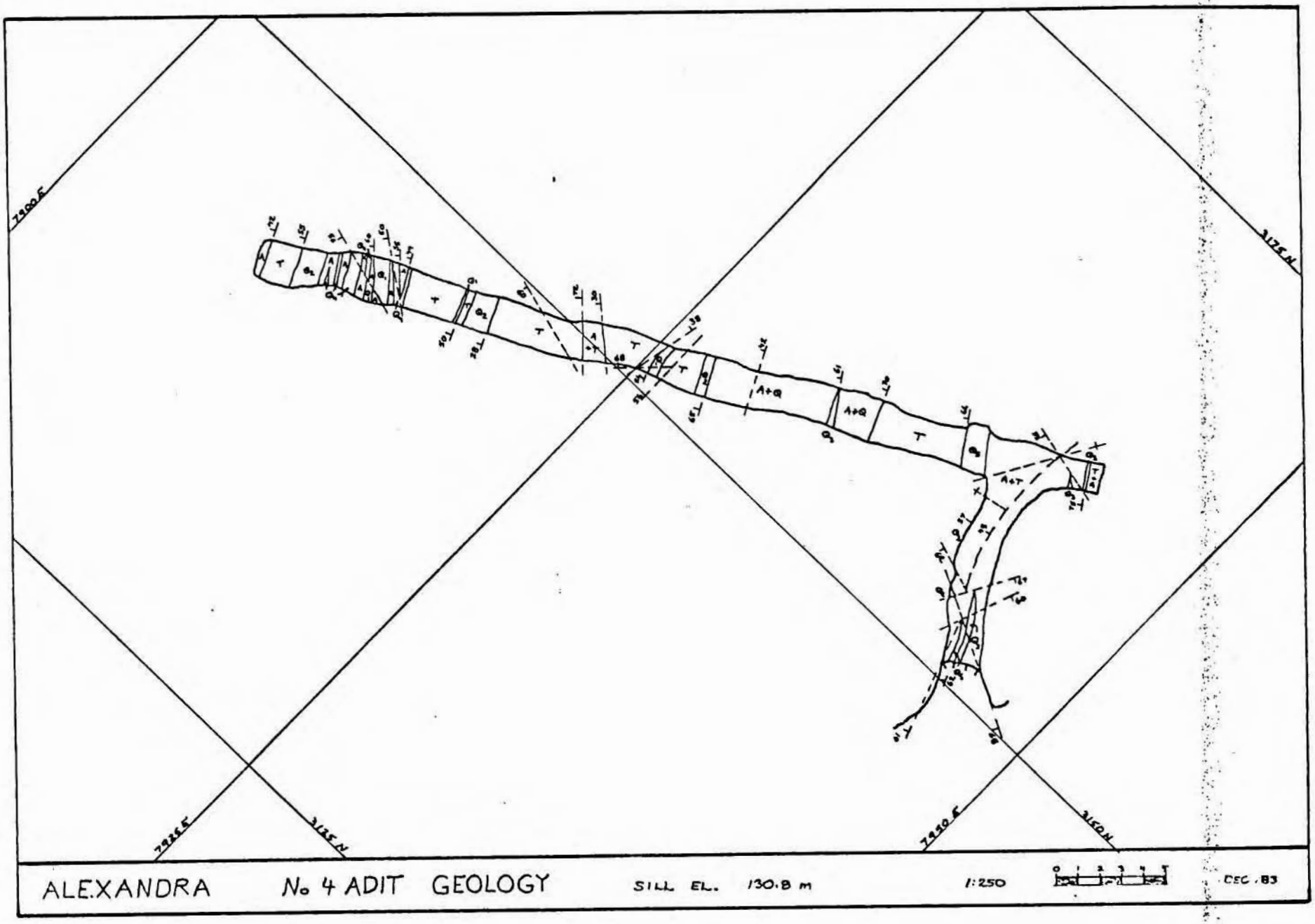


#5 ADIT DR-501 ASSAY PLAN 1:250 9128183

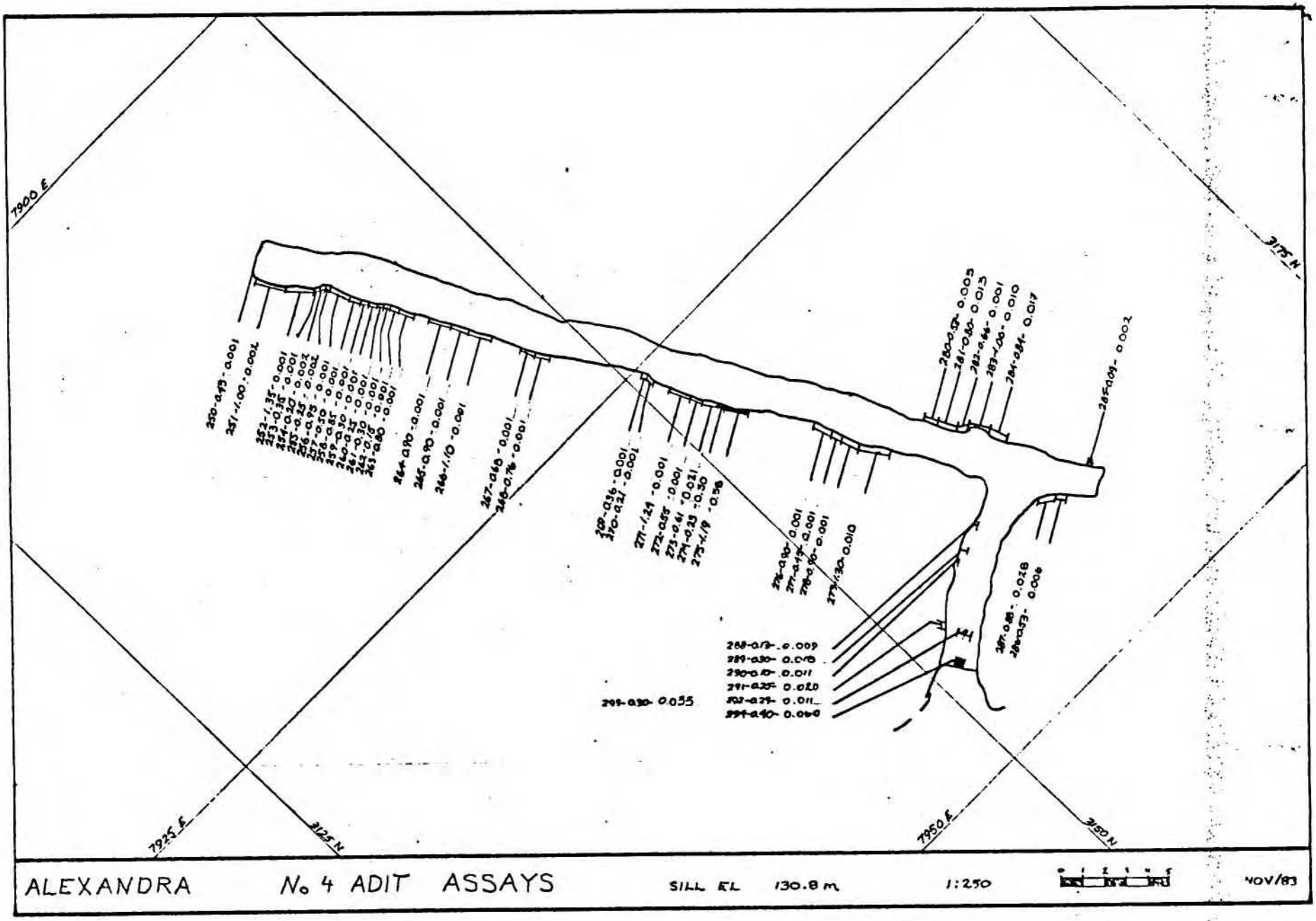


ALEXANDRA No 3 ADIT GEOLOGY SILL EL 92.1 m 1:250 0 1 2 3 4 5 DEC /83


302-1.40= 0.001
306-0.17= 0.001
310-0.45= 0.001
311-0.50= 0.001
312-1.00= 0.004
320-0.30= 0.010
325-0.15= 0.009
305-0.90= 0.007
304-0.30= 0.001
307-0.25= 0.001
308-0.10= 0.002
309-0.45= 0.002
318-1.30= 0.003
314-1.30= 0.009
315-0.65= 0.013
316-0.91= 0.001
317-0.24= 0.019
318-0.20= 0.059
319-0.50= 0.057
321-1.00= 0.010
322-0.95= 0.003
329-0.65= 0.019
330-0.85= 0.022
331-0.11= 0.155
332-0.95= 0.057
333-0.45= 0.008
334-0.71= 0.011
335-0.60= 0.001
336-0.61= 0.020
346-0.70= 0.001
347-0.52= 0.010
351-0.52= 0.009
357-0.75= 0.008
353-0.24= 0.031
354-0.50= 0.010
323-0.23= 0.012
324-0.90= 0.007
326-0.35= 0.050
327-0.17= 0.001
328-0.42= 0.001
341-1.45= 0.001
342-0.91= 0.004
357-1.00= 0.001
358-1.00= 0.005
359-0.31= 0.001
360-0.61= 0.009
330-0.79= 0.001
339-0.90= 0.001
340-1.15= 0.006
342-0.85= 0.001
343-0.74= 0.010
344-0.79= 0.058
345-0.69= 0.004
355-2.40= 0.019
348-1.30= 0.619
349-1.30= 0.002
350-1.02= 0.019
361-0.70= 0.009
7975E
3100N
7925E
3075N
7950E
ALEXANDRA
No 3 ADIT ASSAYS
SILL EL 92.1m
1:250
0 1 2 3 4 5
AUG/83



ALEXANDRA No 4 ADIT GEOLOGY SILL EL. 130.8 m 1:250 DEC. 83


7900 E
3175 N
7925 E
3125 N
7950 E
3150 N
250-0.43 - 0.001
251-1.00 - 0.001
252-1.35 - 0.001
253-0.36 - 0.001
254-0.20 - 0.001
255-0.45 - 0.002
256-0.75 - 0.002
257-0.50 - 0.001
258-0.85 - 0.001
259-0.30 - 0.001
260-0.35 - 0.001
261-0.30 - 0.001
262-0.16 - 0.001
263-0.80 - 0.001
264-0.80 - 0.001
265-0.90 - 0.001
266-1.10 - 0.001
267-0.60 - 0.001
268-0.76 - 0.001
269-0.36 - 0.001
270-0.21 - 0.001
271-1.24 - 0.001
272-0.55 - 0.001
273-0.41 - 0.021
274-0.23 - 0.30
275-1.19 - 0.58
276-0.90 - 0.001
277-0.43 - 0.001
278-0.90 - 0.001
279-1.30 - 0.010
280-0.52 - 0.003
281-0.80 - 0.013
282-0.66 - 0.001
283-1.00 - 0.010
284-0.84 - 0.017
285-0.91 - 0.002
286-0.53 - 0.018
287-0.88 - 0.006
288-0.72 - 0.009
289-0.30 - 0.018
290-0.10 - 0.011
291-0.25 - 0.020
292-0.29 - 0.011
293-0.40 - 0.040
294-0.30 - 0.055
ALEXANDRA
No 4 ADIT ASSAYS
SILL EL 130.8 m
1:250
NOV/83

APPENDIX C: Diamond Drill Logs

Legend Used on All Drill Logs

Geological As per Appendix B

Plus abbreviations as follows:

CA	Core axis angle
B	bedding angle
Py	Pyrite
Str	STi
Qtz	Quartz
Brkn grd	Broken ground

DIAMOND DRILL LOG

PROPERTY [illegible] HOLE # [illegible]

LEVEL [illegible] WORKING PLACE [illegible] DATE [illegible] PG 1 OF [illegible]

COLLAR CO-ORDS: NORTH 3033.3 EAST 7918.1 ELEV. 5017.5 LOGGED BY [illegible]

AZ 45°-00'-00" DIP -62.3° LENGTH 103.6 m PLOTTED [illegible]

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
0	2.5			(A) ANDESITE				
2.5	2.6	0.1		(Q) WHITE Qtz				
2.6	5.2			(A)				
5.2	6.1			(As) TUFFACEOUS ANDESITE				
6.1	7.3			(T) TUFF				
7.2	13.1			(A)				
13.1	14.5			(T)				
				MUD SLIP @ 14.5				
[illegible]	15.1			(T) SOME ASH				
15.4	[illegible]			(As)				
				MUD SLIP @ 16.9				
[illegible]	19.3			(As)				
18.3	[illegible]			(Tuf) [illegible]				
18.7	[illegible]	0.1		(Q) WHITE Qtz [illegible]				
[illegible]	[illegible]			A) ANDESITE				
[illegible]	20.4	1.2	14001	(Q) WHITE Qtz	0.002	0.02		
20.4	20.6	0.2		(Q) GREY Qtz				
20.6	20.8			(T)				
20.8	21.2			(T)				
21.2	21.3			(As)				
21.3	23.2			(As) [illegible]				

DIAMOND DRILL LOG

PROPERTY: Alexandria HOLE #: [illegible]

LEVEL: #2 Adit WORKING PLACE: 02-440 Drill Stn DATE: Sept 11/[illegible] PG 2 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
23.2	23.7			(A)				
23.7	24.0			(T+A)				
24.0	28.2			(As)				
28.2	28.7			(T)				
28.7	29.1			(As)				
29.1	29.6			(T)				
[illegible]	29.9			(As)				
[illegible]	30.2			(T)				
[illegible]	31.1	0.9	14002	(Q) Grey Qtz [illegible]	0.002	0.06		
[illegible]	32.3	1.2	14003	(Q) " " [illegible]	<0.001	0.02		
[illegible]	[illegible]	0.6	14004	(Q) " " " "	0.001	0.03		
[illegible]	[illegible]	0.8	14005	(T)	0.002	0.01		
[illegible]	34.4	0.7	14006	(Q)	0.002	0.02		
[illegible]	34.6	0.2		(A)	0.001	0.01		
[illegible]	35.5	0.9 } 1.1	14007	(As+Q) Tourmaline [illegible]				
[illegible]	36.6	1.1	14008	(T)	0.001	0.02		
[illegible]	37.2	0.6	14009	(T+Q) Tuff with [illegible]	0.002	0.01		
				Slip @ 37.2				
37.2	37.7	0.5	14010	(T)	0.001	0.02		
[illegible]	38.3	0.6	14011	(Q) ±T	0.002	0.01		
				mud slip @ 38.3				
[illegible]	[illegible]	1.3	14012	(Q+T)	0.001	0.01		
[illegible]	41.1	1.5	14013	(Q+T)	0.010	0.10		

DIAMOND DRILL LOG

PROPERTY [illegible] HOLE # [illegible]

LEVEL [illegible] WORKING PLACE [illegible] DATE [illegible] PG 2 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
[illegible]	42.1	1.0	14014	Q3 + T Diss Pyrite	0.001	0.01		
[illegible]	43.0	0.9	14015	D	0.001	0.01		
43.0	43.9	0.9	14016	T + Q Diss Pyrite	0.001	0.01		
[illegible]	44.5	0.6	14017	T + Q	0.001	0.01		
[illegible]	45.3	0.9	14018	As	0.002	0.03		
[illegible]	45.9	0.5	14019	Q3 + Diss Pyrite Qt [illegible]	0.001	0.02		
[illegible]	[illegible]	0.8	14020	Q3	0.004	0.02		
46.6	47.4	1.3	14021	Q3	0.003	0.03		
[illegible]	48.4	1.5	14022	Q3 Pyrite	0.022	0.03		
[illegible]	[illegible]	0.9	14023	Q3	0.020	0.03		
[illegible]	51.5	1.2	14024	Q3	0.027	0.03		
51.5	52.1	0.6	14025	Q3	0.004	0.02		
52.1	[illegible]	0.3	14026	Q5	0.005	0.03		
52.4	53.0	0.6	14027	Q3 + T	0.020	0.04		
53.0	53.7	0.7	14028	Q3	0.021	0.04		
[illegible]	54.1	0.4	14029	Q3 + Q1 VEINLETS	0.012	0.12		
54.1	54.7	0.6	14030	As	0.014	0.02		
[illegible]	[illegible]	0.6	14031	Q5 Pyrite	0.040	0.01		
55.3	[illegible]	0.9	14032	Q5	0.011	0.02		
56.2	57.0	0.9	14033	Q3	0.002	0.01		
57.0	57.9	0.9	14034	Q3	0.003	0.01		
57.9	59.1	1.2	14035	Q3 - Q1 VEINLETS + Pyrite	0.001	0.03		
59.1	[illegible]	0.6	14036	Q3	0.003	0.01		

DIAMOND DRILL LOG

PROPERTY [illegible] HOLE # [illegible]

LEVEL [illegible] WORKING PLACE [illegible] DATE [illegible] PG 1 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
59.7	60.0	0.3	14037	Q1 Pyrite	0.017	0.02		
60.0	60.7	0.7	14038	Q3	0.001	0.01		
60.7	61.3	0.6	14039	As	0.003	0.01		
61.3	62.2	0.9	14040	Q3 minor Pyrite [illegible]	0.023	0.02		
62.2	63.4	1.2	14041	Q3 As [illegible]	0.017	0.01		
63.4	64.6	1.2	14042	Q2 Q1 + As [illegible]	0.039	0.02		
64.6	64.9	0.3	14043	As	0.009	0.02		
65.0	66.1	1.2	14044	Q3 [-69° Dip @ 66.1]	0.010	0.02		
66.1	67.1	1.0	14045	Q3 As [illegible]	0.021	0.04		
67.1	68.7	1.5	14046	Q2	0.022	0.02		
68.7	69.4	0.7	14047	Q2 As [illegible]	0.004	0.01		
69.4	70.4	1.0	14048	As	0.005	0.01		
70.4	71.7	1.27		Q3 [illegible]	0.068	0.02		
71.7	73.4	0.2 (1.4)	14049	As				
73.4	73.9	0.5	14251	Q3	0.011	0.01		
73.9	74.3	0.4	14252	Q4 [illegible]	0.020	0.03		
74.3	74.8	0.5	14253	Q5	0.021	0.02		
74.8	75.2	0.4	14254	Q4 [illegible]	2.730	4.29		
75.2	75.9	0.7	14255	Q3	0.017	0.01		
75.9	76.5	0.62	14256	As	0.008	0.01		
76.5	76.7	0.2 (0.8)		Tuff				
76.7	77.9	1.2	14257	Q3	0.001	0.03		
77.9	79.3	1.4	14258	Q3	0.001	0.01		

DIAMOND DRILL LOG

PROPERTY [illegible] HOLE # [illegible]

LEVEL [illegible] WORKING PLACE [illegible] DATE [illegible] PG ____ OF 6

FOOTAGE		LENGTH	SAMPLE #	DESCRIPTION	ASSAY			
FROM	TO				Au	Ag		
[illegible]	[illegible]	0.6	[illegible]	Q5	0.001	0.04		
77.9	[illegible]	0.77	140[illegible]	Q1 Grey [illegible] Pyrite	0.001	0.03		
78.6	78.9	[illegible] (0.9)		Q5 Pyrite [illegible]				
78.9	[illegible]	0.2	14061	As	0.001	0.02		
[illegible]	[illegible]	0.4	14062	Q3 + Pyrite	0.001	0.02		
[illegible]	[illegible]	0.27	14063	T	0.009	0.01		
[illegible]	[illegible]	0.2 (0.5)		Q5				
[illegible]	[illegible].6	0.7	14064	As	0.002	0.01		
[illegible]	81.0	0.4	14065	Q3	0.001	0.03		
[illegible]	[illegible]	0.5	14066	As	0.007	0.02		
[illegible]	[illegible]	1.1	14067	Q3 As + Q3 [illegible]	0.002	0.02		
[illegible]	[illegible]	1.2	14069	Q3	0.002	0.02		
[illegible]	84.4	0.6	[illegible]	Q1 + Q3 veinlets	0.001	0.01		
[illegible]	[illegible]	0.8	140[illegible]	Q5 Pyrite [illegible]	0.011	0.02		
[illegible]	[illegible].1	0.9	[illegible]	Q5	0.002	0.02		
[illegible]	[illegible].3	0.2		Q3				
[illegible]	[illegible]	0.9 (1.4)	14071	Q5	0.004	0.01		
[illegible]	[illegible]	0.3		Q3				
[illegible]	[illegible].7	1.2	14072	Q1	0.002	0.01		
[illegible]	89.6	0.9	14073	Q1 Pyrite	0.071	0.22	0.081 [illegible]	
[illegible]	91.0	1.4	14074	Q5 Q1 [illegible]	0.091	0.17		
[illegible]	91.5	0.5	14075	Q1	0.057	0.09		
91.5	92.0	0.5	14076	Q5	0.009	0.01		

DIAMOND DRILL LOG

PROPERTY: Alexandria HOLE #: U-1

LEVEL: #2 Adit WORKING PLACE: 02-440 Drill Stn DATE: Sept 15/93

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
92.0	93.0		14077	Q2	0.012	0.10		
93.0	94.2	1.2	14078	Q1 with Q5 stringers	0.001	0.03		
94.2	94.5	0.3		T				
94.5	94.6	0.1 } 0.6	14079	Q3	0.078	0.11	0.073	
94.6	94.8	0.2		Q1 with Q3 str & pyrite				
94.8	95.5	0.7	14080	Q2 Py @ 95.4	0.018	0.01		
95.5	96.6	1.1	14081	Q3	0.017	0.01		
96.6	96.8	0.2	14082	T	0.011	0.03		
96.8	97.4	0.6 } 0.8		Q2 + T				
97.4	97.7	0.3	14083	Q2	0.027	0.01		
97.7	97.8	0.1	14084	As + Q	0.008	0.01		
97.8	98.5	0.7 } 0.8		Q5				
	98.5			mud slip				
98.5	98.6	0.1	14085	Q3	0.009	0.01		
98.6	99.5	0.9 } 1.0		Q2				
99.5	100.0	0.5	14086	Q5 some pyrite	0.009	0.01		
100.0	100.6	0.6		mud slip				
100.6	101.2	0.6 } 1.7	14087	As some pyrite	0.017	0.02		
101.2	101.7	0.5		T[illegible] Banded Sheared [illegible]				
101.7	102.4	0.7	14088	Q2 & T some diss pyrite	0.001	0.01		
102.4	103.1	0.7	14089	As	0.003	0.01		
103.1	103.6	0.5	14090	Q2 [illegible]	0.011	0.01		
	EOH			Sept 16/93				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-7

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE SEPT 18/83 PG 1 OF 6

COLLAR CO-ORDS: NORTH 3033.5 EAST 7918.4 ELEV. 5017.8 LOGGED BY [illegible]

AZ 45°-00'-00" DIP -40°-00' LENGTH 74.8m PLOTTED [illegible]

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
0.0	2.1			ANDESITE				
2.1	2.4			As + Q some Pyrite				
2.4	2.7			A				
2.7	4.3			As some Pyrite 3.7 to 4.3 .03 Qi str @ 4.0				
4.3	4.5			A some Diss Pyrite				
4.5	4.8			As Pyrite				
4.8	5.8			Basaltic Dyke				
5.8	8.8			A minor slip				
8.8	11.0			As Pyrite				
11.0	11.1			T + Q				
11.1	12.0			As				
12.0	12.9			Felsic Dyke				
12.9	13.1	0.3	14091	As Diss Pyrite	0.002	0.01		
13.1	14.6			As				
14.6	14.8			T				
14.8	23.2			As				
23.2	23.9			A				
23.9	24.0			Qi				
24.0	24.1			A				
24.1	24.2			Qi				
24.2	25.5			As (A from 24.2 to 24.4?)				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE SEPT 19/83 PG 2 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
25.5	25.6			T				
25.6	28.4			As				
—	28.4			MUD SLIP				
28.4	29.1			As				
29.1	29.3	0.2	14092	Qz	0.001	0.01		
29.3	30.5			CLAY SLIP				
30.5	30.6			As				
30.6	30.9	0.3	14093	Qz + PYRITE	0.001	0.01		
30.9	31.1	0.2		As				
31.1	31.2	0.1		Qz + PYRITE				
31.2	31.3	0.1 } 0.8	} 14094	As	0.001	0.01		
—	31.3			CAVE ?				
31.3	31.7	0.4		As				
31.7	32.0	0.3 } 1.1	} 14095	Qs	0.007	0.01		
32.0	32.8	0.8		Qz + PYRITE				
32.8	33.4	0.6	14096	Qz	0.001	0.01		
33.4	33.8	0.4	14097	Qz PORPHYRITIC TEXTURE	0.001	0.01		
33.8	34.0	0.2	14098	Qs	0.002	0.01		
34.0	34.7	0.7	14099	As	0.002	0.01		
34.7	36.0	1.3	14100	Qz	0.002	0.01		
36.0	36.6	0.6	14101	D	0.002	0.01		
36.6	36.7	0.1 } 0.5	} 14102	Qz STR	0.009	0.01		
36.7	37.1	0.4		Qz				

DIAMOND DRILL LOG

PROPERTY: Alexandria   HOLE #: U-3

LEVEL: #2 Adit   WORKING PLACE: 02-440 Drill Stn   DATE: Sept 19/83   PG 3 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
37.1	37.3	0.2	14103	A5	0.003	0.02		
37.3	37.7	0.4	14104	Q3	0.006	0.01		
37.7	38.5	0.8	14105	Q5 .05 Q1 Stc @ 38.3 & 38.4	0.019	0.01		
38.5	39.0	0.5	14106	D	0.009	0.01		
39.0	40.2	1.2	14107	Q2	0.002	0.01		
40.2	40.5	0.3	14108	Q1	0.001	0.01		
40.5	41.6	1.1	14109	Q3 Diss Pyrite & Tu[illegible] Str	0.002	0.01		
41.6	42.0	0.4 } 1.1	} 14110	A5 + Q	0.019	0.01		
42.0	42.7	0.7 }	}	A5				
42.7	43.0	0.3 } 0.6	} 14111	T	0.022	0.01		
43.0	43.3	0.3 }	}	T + Q Diss Pyrite				
43.3	44.2	0.9	14112	Q6 & Pyrite	0.017	0.02		
44.2	44.8	0.6 } 0.8	} 14113	Q3	0.041	0.09		
44.8	45.0	0.2 }	}	Q2				
				Cave				
45.0	45.7	0.7	14114	T	0.013	0.01		
45.7	46.4	0.7	14115	T	0.002	0.01		
46.4	47.0	0.6	14116	T + Q & Pyrite	0.028	0.01		
47.0	47.5	0.5	14117	Q4 Massive Pyrite	0.019	0.01		
47.5	48.1	0.6	14118	Q4 Massive Pyrite	0.001	0.01		
48.1	48.4	0.3	14119	Q1	0.001	0.01		
48.4	49.5	1.1	14120	Q5	0.003	0.01		
49.5	50.0	0.5	14121	Q2	0.003	0.01		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-2

LEVEL #2 ADIT WORKING PLACE 02-440 DRIFT SW DATE SEPT 21/82 PG 4 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE#	DESCRIPTION	ASSAY Au	ASSAY Ag		
50.0	50.2	0.2 } 0.9	14122	Q2	0.002	0.01		
50.2	50.9	0.7 }		Q2 NOT DISSEMINATED PYRITE (= SILICIFIED PYR)				
50.9	51.4	0.5 }		Q2 + DISS PYRITE				
		} 0.9	14123	MUD	0.029	0.01		
51.4	51.8	0.4 }		Q2				
51.8	52.1	0.3 }		Q2				
52.1	52.3	0.2 } 0.6	14124	T	0.003	0.01		
				MUD				
52.3	52.4	0.1 }		T				
52.4	53.4	1.0	14125	Q2 + T	0.002	0.01		
53.4	53.6	0.2 }		T + Q				
53.6	53.9	0.3 } 0.9	14126	Q2 + PYRITE	0.003	0.01		
53.9	54.3	0.4 }		T+Q				
54.3	54.5	0.2 } 0.4	14127	AS + Q	0.001	0.01		
54.5	54.7	0.2 }		Q2 + T				
54.7	55.4	0.7	14128	Q2 + MASSIVE PYRITE	0.009	0.01		
55.4	56.1	0.7	14129	Q2 + T	0.002	0.01		
56.1	56.6	0.5 }		Q2 PYRITE ON CONTACT WITH T				
56.6	56.7	0.1 } 0.7	14130	T	0.003	0.01		
56.7	56.8	0.1 }		Q2				
56.8	57.5	0.7	14131	T + PYRITE	0.001	0.01		
57.5	58.2	0.7	14132	Q2 + T WITH PYRITE	0.001	0.01		
58.2	58.5	0.3 1.7	14133	Q2 + PYRITE	0.002	0.01		

DIAMOND DRILL LOG

PROPERTY Alexandria HOLE # U-2

LEVEL #2 ADIT WORKING PLACE 02-440 Drill Stn DATE Sept 21/87 PG 5 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
58.5	59.9	1.4		Qs Diss Pyrite [Dip @ 59.1m -50°]				
59.9	60.1	0.2	14134	T	0.001	0.01		
60.1	60.7	0.6		Qs & Diss Pyrite				
60.7	61.2	0.5	14135	Qz	0.004	0.01		
61.2	61.6	0.4	14136	Qs & T & Pyrite	0.002	0.01		
61.6	61.9	0.3	14137	Qs & T & Pyrite	0.001	0.01		
61.9	62.0	0.1		T				
62.0	62.4	0.4	14138	Qz	0.003	0.01		
62.4	63.0	0.6	14139	As	0.002	001		
63.0	63.2	0.2		T				
63.2	63.5	0.3	14140	Siliceous Tuff	0.001	0.01		
63.5	63.6			T				
63.6	63.9			As				
63.9	65.1			A -os Qstrs @ 64.3 & 64.4				
65.1	65.3	0.2	14141	T silicified	0.001	0.01		
65.3	65.6			A				
65.6	65.7			T				
65.7	65.8			A				
65.8	65.9			Qstr & fault				
65.9	66.4			A				
66.4	66.6	0.2	14142	Qz	0.001	0.01		
66.6	67.1			As				
67.1	67.8			T				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-2

LEVEL #7 ADIT WORKING PLACE 02-440 DRILL STN DATE SEPT 21/83 PG 6 OF 6

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
67.8	68.0	0.2 0.3	14143	Siliceous Tuff	0.001	0.02		
68.0	68.1	0.1		As & Q1 Stk with Pyrite				
68.1	68.4			As				
68.4	69.6			T				
69.6	70.0	0.4	14144	As & Pyrite	0.001	0.02		
70.0	70.6	0.6	14145	Siliceous Tuff & Pyrite	0.001	0.02		
70.6	72.0	0.4		T				
72.0	72.1	0.1 0.7	14146	T & Pyrite	0.001	0.01		
72.1	72.2	0.1		Q2				
72.2	72.3	0.1		As & Pyrite				
72.3	72.8	0.5	14147	A & Pyrite	0.001	0.01		
72.8	73.6	0.8	14148	Siliceous Tuff & Diss Pyrite	0.001	0.01		
73.6	74.3	0.7	14149	A & Diss Pyrite	0.001	0.01		
74.3	74.5	0.2	14150	0.5 Q1 Stk 0.5 Tuff Q1 to 74.5	0.001	0.01		
74.5	74.8			A				
	EOH			SEPT 21/83				

DIAMOND DRILL LOG

PROPERTY Alexandria HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 Drill Sta DATE Sept 21/83 PG 1 OF ?

COLLAR CO-ORDS: NORTH 3032.6 EAST 7918.5 ELEV. 5017.5 LOGGED BY

AZ 67°-23'-45" DIP -57°-30' LENGTH 100.6 m PLOTTED

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag	ASSAY	ASSAY
0.0	2.1			A + Pyrite				
2.1	2.2			Qz Str				
2.2	2.7			As				
2.7	2.8			Qz Str				
2.8	3.1			As				
3.1	3.4			Siliceous Tuff				
3.4	4.0			Siliceous Tuff + Qz Str				
4.0	4.8			Siliceous Tuff + Pyrite				
4.8	5.2			As + Pyrite				
5.2	5.4			Black Tuff				
5.8	7.7			A Crack [illegible]				
7.7	7.8			Siliceous Tuff				
7.8	8.6			A				
8.6	8.9			Siliceous Tuff				
9.2	9.5			Basalt Dyke				
9.5	10.1			A				
10.1	10.4			A				
10.4	10.5			Basalt				
10.5	11.1			Siliceous Tuff - A				
				fault				
11.1	11.3			Siliceous Tuff - A				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-3

LEVEL #2 Adit WORKING PLACE 02-440 Drift (W) DATE [illegible] PG 2 OF [illegible]

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
11.3	11.5			T				
11.5	11.9			A				
11.9	12.2			A & T with Diss Pyrite				
12.2	12.4			A				
12.4	12.5			Basalt				
12.5	12.6			A				
12.6	13.3			Siliceous T				
13.3	13.4			As				
				fault				
13.4	14.0			A Biotite @ 13.9				
14.0	14.3			As				
14.3	14.6			Siliceous Tuff				
14.6	15.7			As & Pyrite Broken Ground				
15.7	16.3			Siliceous Tuff & Diss Pyrite				
16.3	16.9			As & T Broken Ground				
16.9	17.8			As				
17.8	18.3			T				
18.3	19.7			As				
19.7	20.1			Siliceous T				
20.1	21.6	1.5	14151	Q1	0.001	0.01		
21.6	21.9	0.3	14152	Q2	0.001	0.03		
21.9	23.5			Siliceous T				
23.5	24.7			Siliceous T & Diss Pyrite				

DIAMOND DRILL LOG

PROPERTY [illegible] HOLE # [illegible]

LEVEL #2 ADIT WORKING PLACE [illegible] DATE SEPT 29/87 PG 2 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
24.7	26.5			GOUGE WITH Tuff & PYRITE				
26.5	27.9			GOUGE WITH " "				
27.9	29.5	1.6'	14153	Q2 [illegible] @ 28.7	0.001	0.01		
29.5	29.9			T				
29.9	30.2	0.3	14154	Q1	0.033	0.01		
30.2	30.8			T & PYRITE				
30.8	31.2			T				
31.2	31.7			T .05 Q1 Stz @ 31.2				
31.7	32.6			As				
32.6	33.2			SILICEOUS Tuff & PYRITE				
33.2	33.5			Q1 & Q2 BROKEN GROUND				
33.5	33.8			As				
33.8	34.0	0.2		Q1 & PYRITE				
34.0	34.2	0.2 / 0.7	14155	Q3	0.001	0.02		
34.2	34.4	0.2		DIORITE				
34.4	34.5	0.1		Q1				
34.5	34.6	0.1 / 0.3	14156	D	0.001	0.02		
34.6	34.8	0.2		Q2				
34.8	35.9	1.1	14157	D	0.009	0.01		
35.9	36.8	0.9	14158	Q2	0.019	0.06		
36.8	37.5	0.7	14159	D	0.002	0.01		
37.5	38.1	0.6	14160	Q2 & Q1	0.002	0.02		
38.1	38.7	0.6	14161	D	0.003	0.01		

DIAMOND DRILL LOG

PROPERTY Alexandria HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 Drift STN DATE SEPT 24/83 PG 4 OF ___

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
38.7	38.9	0.2 } 0.6	14162	Q1	0.001	0.02		
38.9	39.3	0.4 }		Q2 & DISS PYRITE				
39.3	39.5			CAVE T & A FRAGMENTS				
39.5	40.0	0.5	14163	Q2 & Q1 STR	0.001	0.01		
40.0	40.8	0.8	14164	D GNEISSIC	0.008	0.02		
40.8	42.0	1.2	14165	D "	0.010	0.08		
42.0	42.6	0.6	14166	Q2	0.027	0.10		
42.6	42.9	0.3	14167	Q2 & Q1 STR	0.070	0.20		
42.9	43.3	0.4	14168	Q2	0.099	0.23		
43.2	43.8	0.6	14169	Q2 WITH PYRITE & Q1 STR	0.032	0.10	0.01	1.1
43.8	43.9	0.1	14170	Q2 WITH PYRITE	0.519	0.79		
43.9	44.1			AS				
44.1	44.7	0.6	14171	Q2	0.009	0.06		
44.7	44.8	0.1	14172	Q2	0.002	0.02		
44.8	45.1	0.3	14173	Q2 WITH Q1 STR	0.008	0.01		
45.1	45.6	0.5	14174	Q2	0.002	0.01		
45.6	45.7			AS				
45.7	46.2	0.5	14175	Q2 & PYRITE	0.008	0.02		
46.2	46.5			AS				
46.5	46.8	0.3	14176	D	0.001	0.01		
46.8	47.3	0.5	14177	Q2	0.002	0.01		
47.3	47.7	0.4	14178	D	0.001	0.01		
47.7	48.3	0.6	14179	Q2	0.001	0.01		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 DRIFT STN DATE SEPT 25/83 PG 5 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag	
48.3	49.2	0.9	14180	FAULT Q3 & TUFFACEOUS FILLING	0.002	0.08	
49.2	49.3	0.1		Q2			
49.3	49.4	0.1	0.4 14181	Q1	0.002	0.01	
49.4	49.6	0.2		Q2 & Q1 STR			
49.6	50.1	0.5	14182	Q2 WITH DISSEMINATED PYRITE	0.001	0.01	
50.1	50.2			AS			
50.2	50.4	0.2	0.5 14183	Q2 THICK Q1 STRING (≈1cm)	0.001	0.01	
50.4	50.7	0.3		Q2 WITH PYRITE			
50.7	50.9			AS (DIP @ 50.9 −63°)			
50.9	51.2	0.3	14184	Q6 & PYRITE	0.002	0.01	
51.2	51.5	0.3	14185	Q2 & PYRITE	0.001	0.01	
51.5	51.8			AS			
51.8	52.2	0.4	14186	Q1	0.002	0.01	
52.2	52.5	0.3	14187	SILICEOUS TUFF & PYRITE	0.001	0.02	
52.5	52.8	0.3	14188	Q2	0.002	0.01	
52.8	53.1	0.3	14189	Q1 GRAY Q+2 TUFF STR DISS PYRITE	0.001	0.01	
53.1	54.0	0.9	14190	" " " "	0.002	0.01	
54.0	54.3			T			
54.3	55.6	1.3	14191	Q3	0.001	0.01	
55.6	56.1	0.5	14192	Q3	0.002	0.01	
56.1	56.7	0.6	14193	Q4 & PYRITE	0.001	0.01	
56.7	56.8	0.1	0.3 14194	Q3	0.001	0.01	
56.8	57.0	0.2		Q4 & PYRITE			

DIAMOND DRILL LOG

PROPERTY Aldermount 213 HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 Drift SW DATE Sept 26/83 PG 6 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
57.0	57.4	0.4	14195	Q3	0.001	0.01		
57.4	57.5	0.1 } 0.9	14196	Q1 (Q1 & massive Pyrite)	0.031	0.10		
57.5	58.3	0.8 }		Q3 Pyrite Some Q1 Str				
58.3	58.6	0.3	14197	Q1 (Q1 & massive Pyrite)	0.121	0.27		
58.6	58.8	0.2 } 0.4	14198	Q3	0.187	0.51		
58.8	59.0	0.2 }		Q1				
59.0	59.6	0.6	14199	Q3 & Pyrite Some Q1 Str	0.021	0.09	.261/1.6	0.259/1.9
59.6	59.8	0.2	14200	Q1 (Q1 & massive Pyrite Core Box Split	0.370	1.31		
59.8	60.0	0.2	14201	Q3 In Transit	0.008	0.01	0.551/0.6	
60.0	60.2	0.2	14202	Q1 (Q1 & massive Pyrite) (U-3 Box 9)	1.275	2.47		
60.2	60.6	0.4	14203	Q3	0.007	0.01		
60.6	60.8	0.2	14204	Q1 (Q1 & massive Pyrite)	0.069	0.17		
60.8	61.6	0.8	14205	Q3	0.002	0.01		
61.6	62.7	1.1	14206	Q1 (Q1 & massive Pyrite)	0.067	0.19		
62.7	63.9	1.2	14207	" " "	0.174	0.40		
63.9	64.2	0.3	14208	Q1 & massive Pyrite ∠CA = 30°	0.021	0.01		
64.2	65.6	1.4	14209	Q3 Disseminated Pyrite	0.026	0.02		
65.6	66.1	0.5	14210	Q4 Mass Pyrite Trace Sx	0.130	0.40	.17/.5	
66.1	66.4	0.3	14211	Q1 & Pyrite	0.293	0.89		
66.4	67.0	0.6	14212	Q3 & T	0.028	0.10	.291/1.2	
67.0	67.5	0.5	14213	Q1 Some massive Py But minor ∠CA = 50°	0.061	0.19		.202/3.9
67.5	67.8	0.3	14214	Q1 Mass Pyrite	1.200	2.70		
67.8	67.9	0.1		T			.133/2.7	

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 Drill Stn DATE Sept 27/03 PG 7 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
67.9	69.0	1.1	14215	Q_1 Some massive Pyrite $\angle B = 35°$	0.060	0.13
69.0	70.0	1.0	14216	Q_1 Mass Pyrite $\angle CA = 45°$	0.226	0.49
70.0	70.1	0.1		A_5 + Q		
70.1	70.3	0.2 / 0.7	14217	Q_3	0.010	0.01
70.3	70.7	0.4		Q_1 & Tuff Str $\angle CA = 40°$		
70.7	71.0	0.3	14218	T + Q_1 $\angle B$ 15°	0.003	0.02
71.0	71.5	0.5	14219	T + Q	0.006	0.01
71.5	72.5	1.0	14220	T with minor Q $\angle B$ 45°	0.002	0.01
72.5	73.8	1.3	14221	Q_3 $\angle CA$ 25°	0.011	0.01
73.8	75.3	1.5	14222	Q_3 74.7 - 75.3 BRN GRD	0.019	0.03
75.3	75.4	0.1		A		
		0.7	14223	mud slip	0.002	0.02
75.4	76.0	0.6		A_5 $\angle CA$ 35° [[Dip @ 76.2 = -62°]]		
76.0	76.4	0.4	14224	Q_5	0.028	0.01
76.4	76.6	0.2	14225	A_5 Q_5 Str @ 76.5	0.003	0.09
76.6	77.1	0.5	14226	Q_3 $\angle CA$ 50°	0.001	0.01
77.1	77.4	0.3	14227	A_5	0.001	0.01
77.4	78.0	0.6	14228	Q_3 Diss Pyrite	0.001	0.01
78.0	78.2	0.2 / 0.3	14229	D	0.001	0.01
78.2	78.3	0.1		Q_3 & A_5		
78.3	79.6	1.3	14230	Q_3	0.001	0.01
79.6	80.2	0.6	14231	Q_3	0.001	0.02
80.2	80.7	0.5	14232	Q_5 & T $\angle CA$ 35°	0.001	0.01

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE SEPT 28/83 PG 8 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
80.7	80.8	0.1	14233	Q_3	0.001	0.01
80.8	81.7	0.9	14234	Q_2	0.001	0.01
81.7	83.1	1.4	14235	A_5 $\leq_{CA}$ 45°	0.001	0.01
83.1	83.7	0.6	14236	Q_2	0.001	0.01
83.7	84.1	0.5	14237	A_5 & Q $\leq_{CA}$ 50°	0.008	0.01
84.1	84.6	0.5	14238	Q_2	0.001	0.01
84.6	86.7	2.1	14239	A_5 & Q $\leq_{CA}$ 50°	0.001	0.02
86.7	87.9			A SOME DIS Py		
87.9	88.5			SILICEOUS T		
88.5	88.9			A_5 & Py $\leq_{CA}$ 30°		
88.9	89.5	0.6	14240	SILICEOUS T WITH Q_1 & Py	0.001	0.01
89.5	89.6	0.1	14241	Q_2 & A $\leq_{CA}$ 50°	0.001	0.01
89.6	89.9			A		
89.9	90.7	0.8	14242	A & Q WITH DIS Py	0.001	0.03
90.7	90.9			SILICEOUS T		
90.9	91.0	0.1	14243	Q_2		
91.0	91.1	0.1 (0.3)		A & Py	0.001	0.01
91.1	91.2	0.1		Q_2 $\leq_{CA}$ 85°		
91.2	91.5			SILICEOUS T		
91.5	92.0			A		
92.0	92.4			SILICEOUS T $\leq_{CA}$ 60°		
92.4	92.6	0.2	14244	Q_2 WITH MASSIVE Py	0.001	0.01
92.6	93.1			A		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-3

LEVEL #2 ADIT WORKING PLACE 02-440 Drill Stn. DATE Sept 28/83 PG 9 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
93.1	94.0			Siliceous T ∠CA 55°				
94.0	94.1			Q1				
94.1	94.2			Siliceous T				
94.2	94.3	0.1		A & Py				
94.3	94.4	0.1	14245	Q2 ∠CA 70°	0.001	0.01		
94.4	94.7	0.3	0.5	A & Py				
94.7	95.7			Siliceous T with Dis Py Slips 95.1 ∠CA 25°				
95.7	96.1	0.4	14246	Q1 with massive Pyrite Slips 95.7 ∠CA 25°	0.001	0.01		
96.1	96.9			Siliceous T				
96.9	97.7			Siliceous T & Dis Py ∠B 35°				
97.7	97.9	0.2	14247	Q1 with massive Pyrite	0.001	0.01		
97.9	98.6			As & Diss Py				
98.6	99.5			Siliceous T ∠B 45°				
99.5	100.6	1.1	14248	Siliceous T & Dis Py Slips ∠CA 15° ∠B 55°	0.001	0.01		
	EOH							

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 ADIT WORKING PLACE 02-440 DRIFT STN DATE OCT 6/83 PG 1 OF 8

COLLAR CO-ORDS: NORTH 3033.7 EAST 7917.6 ELEV. 5017.5 LOGGED BY CHC

AZ 22°-36'-15" DIP -60°-00' LENGTH 102.1 m PLOTTED CHC

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
0.0	0.6			LOST CORE				
0.6	1.5			A BRKN GRD				
1.5	1.8			SILICEOUS TUFF				
1.8	1.9			Q1 ∠CA 70°				
1.9	2.0			SILICEOUS TUFF SLIP @ 2.0 ∠CA 90°				
2.0	7.1			AS SOME DISS PYRITE				
7.1	7.5			BLACK TUFF DISS PYRITE BRKN GRD				
7.5	7.7			SILICEOUS TUFF				
7.5	8.5			BLACK TUFF ∠B 50° BRK GRD				
8.5	9.0			A E of Box 1 S of Box 2				
9.0	9.8			A				
9.8	10.4			AS				
10.4	11.4			SILICEOUS TUFF				
11.4	12.3			AS SOME DISS PYRITE ∠CA 55° BKN GRD				
12.3	12.9			SILICEOUS TUFF				
12.9	13.7			AS AND DISS PYRITE				
13.7	14.3			SILICEOUS TUFF BRKN GRD				
14.3	14.6			MUD				
14.6	15.2			AS FRAGS WITH SOME Q1 BRKN GRD SOME DISS PYRITE				
15.2	15.8			SILICEOUS TUFF MINOR DISS PYRITE E of Box 2 S of Box 3				
15.8	17.1			SILICEOUS TUFF MINOR DISS PYRITE				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 ADIT WORKING PLACE 02.440 Drift STN DATE Oct 6/83 PG 2 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE#	DESCRIPTION	ASSAY Au	ASSAY Ag		
17.1	17.5	0.4	14320	Q1 ∠CA 20°	0.001	0.01		
17.5	18.1			A5 ∠CA 40°				
18.1	18.2			Q1 STR ∠CA 30°				
18.2	18.3			A5				
18.3	19.2	0.9	14321	Q1	0.001	0.03		
19.2	19.7	0.5	14322	Q1 ∠CA 45°	0.001	0.01		
19.7	20.1			T & A				
20.1	20.2			Q1 STRINGERS				
20.2	20.3			T				
20.3	20.4	0.1		Q1 ∠CA 35° K SPAR				
20.4	20.6	0.2	14323	A5 & Q1 ∠CA 10°	0.001	0.01		
20.6	20.7	0.1	0.4	Q1				
20.7	21.4			A5				
21.4	21.6			T				
21.6	21.8	0.2	14324	Q1 ∠CA 40° K SPAR	0.001	0.01		
21.8	22.2			A5 ∠CA 90°				
22.2	22.4			T E of Bor 3 S of Bor 4				
22.4	22.7			T				
22.7	22.9			Sil. Tuff & Diss Pyrite				
22.9	24.1			A5 BRKN GND				
24.1	24.7			A5 & Diss Pyrite				
24.7	24.8			Q1 STR with Diss Pyrite				
24.8	26.1			A				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE OCT 6/87 PG 3 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE#	DESCRIPTION	ASSAY Au	ASSAY Ag		
26.1	26.6			AS ∠CA 60°				
26.6	27.1			A				
27.1	27.6			SIL. TUFF				
27.6	27.8	0.2	14325	Q1 & MASS PYRITE	0.001	0.01		
27.8	27.9			A				
27.9	28.0			Q1				
28.0	28.1			A				
28.1	28.3	0.2	14326	Q1 WITH PYRITE ∠CA 30°	0.001	0.01		
28.3	29.3	1.0 } 1.1	14327	Q2 SOME PYRITE ∠CA 60° E of Box 4 S of Box 5	0.001	0.02		
29.3	29.4	0.1 }		Q2				
29.4	32.5	3.1	14328	D PORPHYRITIC TEXTURE BRKN GRD	0.001	0.01		
32.5	32.7			SILICEOUS TUFF				
32.7	33.5			T ∠B 45°				
33.5	33.7	0.2	14329	T + Q BRECCIA WITH PYRITE	0.001	0.03		
33.7	34.3	0.6	14330	SILICEOUS TUFF & PYRITE	0.001	0.01		
34.3	35.4			AS				
35.4	36.0	0.6	14331	Q2 BRKN GRD	0.001	0.04		
36.0	36.8	0.8	14332	D E of Box 5 S of Box 6	0.001	0.02		
36.8	37.2	0.4	14333	D	0.001	0.08		
37.2	38.1	0.9	14334	Q2 WITH PYRITE & K SPAR	0.001	0.01		
38.1	39.3	1.2	14335	" " PYRITE [DIP @ 38.1 - 66°]	0.001	0.01		
39.3	39.5			MUD				
39.5	41.1	1.6	14336	Q2 WITH MINOR D INCLUSIONS BRKN GRD	0.001	0.01		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #3 ADIT WORKING PLACE 02-440 DRIL STN DATE OCT 6/83 PG 4 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE#	DESCRIPTION	ASSAY Au	ASSAY Ag
41.1	42.7	1.6	14337	Qz BRKN GRD	0.001	0.01
42.7	42.8			T E of Box 6 S of Box 7		
42.8	42.9	0.1 } 0.5	14338	D	0.001	0.01
42.9	43.3	0.4 }		Qz ∠ 40°		
43.3	43.5			A		
43.5	43.7	0.2 } 0.5	14339	D	0.001	0.02
43.7	44.0	0.3 }		Qz		
44.0	44.1			T		
44.1	44.3	0.2 } 1.6	14340	Qz	0.001	0.01
44.3	45.7	1.4 }		T + Qz BADLY BROKEN		
45.7	45.9			A " "		
45.9	46.2			Qz " "		
46.2	46.6			A		
46.6	47.3			T + A		
47.3	47.4			Qz ∠ 35°		
47.4	47.6			A		
47.6	47.9			A + Q		
47.9	48.1			T		
48.1	48.5	0.4	14341	Q1	0.001	0.04
48.5	48.6			T E of Box 7 S of Box 8		
48.6	48.8	0.2	14342	Qz ∠ 65°	tr	0.01
48.8	49.1			A		
49.1	51.2			T BRKN GRD @ 50.3		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 Adit WORKING PLACE 02-440 Drill Stn DATE Oct 7/83 PG 5 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
51.2	51.6	0.4	14343	T + Q_1 Some PYRITE ∠CA 65°	tr	0.01
51.6	52.2	0.6		Q_2 BRKN GRD 51.8 to 52.6		
52.2	52.3	0.1 1.4	14344	T + Q_2 BRKN GRD	tr	0.01
52.3	53.0	0.7		Q_2		
53.0	53.9	0.9 2.8	14345	Q_2 End Box 8 / Start Box 9	0.003	0.02
53.9	55.8	1.9		Q_2 BRKN GRD 54.9 to 55.8		
55.8	56.5	0.7	14346	T & Q Some SULPHIDES	0.001	0.03
56.5	56.8	0.3	14350	Q_1 & MASSIVE PYRITE	0.008	0.05
56.8	57.5	0.7	14351	T + Q Some SULPHIDES BRKN GRD	tr	0.01
57.5	58.5	1.0	14347	T + Q Some HEAVY PYRITE	0.001	0.02
58.5	58.7			As		
58.7	59.4	0.7	14348	Q_2	tr	0.03
59.4	60.7	1.3	14349	Q_1 + T Some SULPHIDES	tr	0.01
60.7	60.8	0.1 0.2	14352	Q_1 End Box 9 / Start Box 10	0.007	0.07
60.8	60.9	0.1		Q_1 & MASSIVE PYRITE		
60.9	61.7	0.8	14353	Q_2 & DISS PYRITE	tr	0.02
61.7	61.9			B ∠CA 20°		
61.9	62.1			Q_2		
62.1	62.2			B		
62.2	62.9	0.7	14354	Q_2	tr	0.02
62.9	63.8			T + A (minor) BRKN GRD.		
63.8	64.2			Q_2		
64.2	64.3			SILICEOUS TUFF		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE OCT 7/87 PG 6 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
64.3	64.6			B				
64.6	64.7			Q2 <CA 35°				
64.7	64.9			SILICEOUS TUFF				
64.9	65.5			B BRKN GRD @ 65.5				
65.5	66.6			AS				
66.6	67.0	0.4	14355	Q2 <CA 20°	tr	0.02		
67.0	67.1			AS <CA 20° E of Box 10 S of Box 11				
67.1	67.6			AS <CA 20°				
67.6	67.8	0.2	14356	Q1 q PYRITE	tr	0.02		
67.8	68.5	0.7	14357	Q3 <CA 30°	tr	0.02		
68.5	69.2			AS				
69.2	69.9	0.7	14358	Q2 q PYRITE	0.002	0.02		
69.9	70.7	0.8	14359	Q2	tr	0.01		
70.7	71.3	0.6	14360	Q2	tr	0.01		
71.3	72.0	0.7	14361	Q3 + DISS PYRITE	0.002	0.05		
72.0	72.8	0.8	14362	Q1 (GRAY) (DISS PYRITE)	0.001	0.02		
72.8	73.6	0.8	14363	Q1 (GRAY) (DISS PYRITE) E of Box 11 S of Box 12	0.001	0.01		
73.6	74.0	0.4	14364	Q1 (GRAY) BRKN GRD	0.007	0.04		
74.0	74.2			AS SOME PYRITE				
74.2	75.3	1.1	14365	Q3	0.014	0.05		
75.3	76.2	0.9	14366	Q1 (GRAY) SHATTERED SOME WHITE Q1 WITH PYRITE Subs 75.9 <30° Subs 76.2 <30°	0.017	0.10		
76.2	76.7	0.5	14367	Q2 [DIP @ 76.2 -66°]	0.002	0.07		
76.7	77.1	0.4	14368	Q1 (GRAY) SHATTERED DISS PYRITE	0.013	0.09		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE Oct 8/83 PG 7 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
77.1	77.5	0.4	14369	Q_5	0.010	0.06		
77.5	78.3	0.8	14370	Q_2 BRKN GRD	0.009	0.04		
78.3	78.5	0.2	14371	Q_1 & PYRITE	0.018	0.06		
78.5	79.1	0.6	14372	Q_2 some Q_1 & PYRITE STR.	0.013	0.06		
79.1	79.2	0.1 / 0.5	14373	Q_1 & PYRITE E of Box 12 S of Box 13	0.056	0.13		
79.2	79.6	0.4		Q_1 & MASSIVE PYRITE SOME MINOR T				
79.6	80.2	0.6 / 1.0	14374	Q_3	0.009	0.04		
80.2	80.6	0.4		T + Q SOME PYRITE				
80.6	81.4	0.8	14375	Q_1 & MASSIVE PYRITE	0.088	0.16	0.072 / 1.4	
81.4	81.7	0.3 / 0.6	14376	Q_3 SOME T & MASSIVE PYRITE	0.051	0.10		
81.7	82.0	0.3		Q_2 SOME Q_1 & PYRITE STR				
82.0	83.4	1.4	14377	Q_2	0.006	0.03		
83.4	84.1	0.7	14378	Q_6 BRKN GRD	0.003	0.03		
84.1	84.6	0.5	14379	Q_6 HEAVY MASSIVE PYRITE	0.067	0.20		
84.6	85.2	0.6	14380	Q_6 SOME MASSIVE PYRITE	0.002	0.04		
85.2	85.3	0.1		T + Q				
85.3	85.4	0.1 / 0.3	14381	Q_3 & MINOR BRKN T MAJOR Q_1 ∠ 35° E of Box 13 S of Box 14	0.001	0.01		
85.4	85.5	0.1		Q_3 " " "				
85.5	85.6	0.1 / 0.2	14382	Q_5 MAJOR T	0.003	0.01		
85.6	85.7	0.1		Q_3				
85.7	86.3	0.6	14383	Q_3 MINOR MASSIVE PYRITE	0.001	0.01		
86.3	86.7	0.4	14384	Q_3 SOME MASSIVE PYRITE ∠ 35°	tr	0.01		
86.7	87.0	0.3	14385	Q_3 MINOR MASSIVE PYRITE	0.001	0.01		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-5

LEVEL #2 Adit WORKING PLACE OZ-440 Drill STN DATE Oct 8/83 PG 8 OF 8

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
87.0	87.8	0.8	14386	Q_1 some Tuff Banding ∠B 35°	0.011	0.06
87.8	88.0	0.2	14387	Q_1 Massive Pyrite	0.130	0.66
88.0	88.1	0.1 } 1.0	14388	Q_2 with some T	0.012	0.08
88.1	89.0	0.9		Q_3 ∠B 30°		
89.0	89.2	0.2		Q_2		
89.2	89.3	0.1 } 0.9	14389	As	0.001	0.02
89.3	89.9	0.6		Q_2		
89.9	90.5			As & Q		
90.5	91.6	1.1	14390	Q_2 some minor massive Pyrite E of Box 14 S of Box 15	tr	0.01
91.6	93.0	1.4	14391	Q_2 Brkn Grd	tr	0.01
93.0	93.9	0.9	14392	Q_2	tr	0.01
93.9	95.1	1.2	14393	Q_2'	tr	0.01
95.1	96.6	1.5 } 3.0	14394	Q_2 Brkn Grd	tr	0.01
96.6	98.1	1.5		Clay Slip Q_2 Frags		
98.1	98.8			As some Q_1 Frags		
98.8	99.2			Mud E of Box 15 S of Box 16		
99.2	99.7			Mud		
99.7	101.2			T some Pyrite & Q_1 Stg Brkn Grd		
101.2	101.8			A Mud @ 101.5 Brkn Grd		
101.8	101.9			Q_2		
101.9	102.1			A		
	EOH					

DIAMOND DRILL LOG

PROPERTY Alexandria HOLE # U-6

LEVEL #2 Adit WORKING PLACE 02-440 Drill Stn DATE Sept 29/83 PG 1 OF 9

COLLAR CO-ORDS: NORTH 3031.9 EAST 7918.8 ELEV. 5017.5 LOGGED BY CHC

AZ 84°-29'-40" DIP -49°-30' LENGTH 101.2 m PLOTTED CHC

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag	ASSAY	ASSAY
0	2.4			Lost Core				
2.4	2.6			A				
2.6	4.0			Siliceous T				
4.0	5.2			A S				
5.2	5.5			A Slip @ 5.5 ∠a 20°				
5.5	5.9			Black Tuff				
5.9	6.0			Brkn Grd Black Tuff to A				
6.0	6.3			A				
6.3	6.5			Siliceous Tuff with porphyritic A				
6.5	6.6			A				
6.6	7.0			Siliceous Tuff				
7.0	8.7			A				
8.7	9.1			Siliceous T ∠a 50°				
9.1	11.9			A Brkn Grd 9.9 to 11.1				
11.9	12.6			T Slip @ 11.9 ∠a 10°				
12.6	12.8			Siliceous Tuff				
12.8	13.4			T				
13.4	14.1			Siliceous Tuff				
14.1	14.4			A				
14.4	15.8			T Brkn Grd				
15.8	16.8			T & Pyrite Brkn Grd				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 ADIT WORKING PLACE 02-446 Drift SW DATE SEPT 29/83 PG 2 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE#	DESCRIPTION	ASSAY Au	ASSAY Ag		
16.8	18.0			SILICEOUS TUFF & PYRITE				
18.0	18.4			A				
18.4	19.4			SILICEOUS T SLIP @ 19.1				
19.4	19.5			Qz STRINGER				
19.5	19.7			SILICEOUS TUFF				
19.7	20.0			BRKN GRD Qz/SIL T FRAGMENTS				
20.0	20.4			BRKN GRD Qz FRAGMENTS				
20.4	20.6			T				
20.6	21.0	0.4		Qz				
21.0	21.2	0.2	14249	A	0.001	0.02		
21.2	21.4	0.2		Qz				
21.4	23.0	1.6	14250	D & DISS PYRITE	0.001	0.01		
23.0	23.5			T				
23.5	23.7			BRKN GRD T				
23.7	24.0	0.3	14251	BRKN GRD Qz	0.001	0.01		
24.0	24.6	0.6		Qz				
24.6	25.2	0.6	14252	D BRKN GRD	0.001	0.01		
25.2	26.2	1.0	14253	Qz	0.001	0.01		
26.2	26.6	0.4	14254	D BRKN GRD	0.001	0.01		
26.6	29.2	2.6	14255	Qz	0.001	0.01		
29.2	29.9	0.7	14256	Qz	0.001	0.01		
29.9	30.2			As				
30.2	31.8	1.6	14257	Qz	0.001	0.01		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE SEPT 30 PG 3 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH		SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
31.8	33.3	1.5		14258	D BRKN	0.001	0.01		
33.3	34.1	0.8		14259	Q_2 DISS PYRITE [DIP @ 34.1 -57°]	0.001	0.01		
34.1	35.7				T ∠CA 50° SOME DISS PYRITE				
35.7	36.1				T SOME K-SPAR AS IN #5 ADIT				
36.1	36.2	0.1			Q_3				
36.2	36.5	0.3	0.8	14260	Q_3 & PYRITE	0.001	0.02		
36.5	36.9	0.4			Q_3 & PYRITE				
36.9	37.1				A_S & Q				
37.1	37.2	0.1			Q_3 & PYRITE				
37.2	37.8	0.6	1.1	14261	A_S & Q WITH PYRITE LOST MARK @ 37.8m	0.001	0.01		
37.8	38.1	0.3			Q_2 ∠CA 55°				
38.1	38.2	0.1			Q_1				
38.2	38.9	0.7		14262	Q_3 (GREY) & PYRITE	0.007	0.01		
38.9	39.6	0.7	1.2	14263	Q_3 (GREY) A STRINGERS @ 39.2	0.002	0.01		
39.6	40.1	0.5			Q_3				
40.1	40.2				T				
40.2	40.9	0.7	1.6	14264	Q_3 (GREY) DISS PYRITE SLIP @ 40.9 ∠CA 35°	0.001	0.01		
40.9	41.8	0.9			Q_3 DISS PYRITE				
41.8	42.6	0.8		14265	Q_3 DISS PYRITE	0.001	0.01		
42.6	43.4	0.8		14266	D ∠CA 40°	0.002	0.01		
43.4	43.7	0.3		14267	D & DISS PYRITE	0.008	0.02		
43.7	43.9	0.2	0.5	14268	Q_2	0.002	0.01		
43.9	44.2	0.3			D				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 Adit WORKING PLACE 02-440 Drill Stn DATE Sept 30/83 PG 4 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH		SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
44.2	45.7	1.5		14269	Q3 (Grey) ∠CA 45°	0.011	0.02
45.7	46.4	0.7		14270	Q2 BRKN GRD Q1 Stk & DISS PYRITE	0.104	0.26
46.4	47.0	0.6		14271	Q5	0.010	0.02
47.0	47.8	0.8		14272	Q3 & SIGNIFICANT PYRITE ∠CA 55° A & T Stk	0.010	0.02
47.8	48.1				T		
48.1	48.5	0.4		14273	Q2 & MASS PYRITE ∠CA 60°	0.005	0.01
48.5	48.7				A		
48.7	49.0	0.3		14274	Q2 & MASS PYRITE	0.001	0.01
49.0	49.2				A		
49.2	49.3				A & Q1 Stk ∠CA 30°		
49.3	49.4	0.1			Q2		
49.4	49.6	0.2	0.7	14275	Q1 & A	0.008	0.02
49.6	49.7	0.1			A ∠CA 40°		
49.7	50.0	0.3			Q2 & PYRITE		
50.0	50.6	0.6	0.7	14276	Q3	0.008	0.01
50.6	50.7	0.1			Q1 & PYRITE		
50.7	50.9				A		
50.9	51.1	0.2	0.6	14277	Q3 BRN GRD ∠CA 30°	0.002	0.01
51.1	51.5	0.4			Q3 & PYRITE		
51.5	52.0	0.5		14278	Q1 (Grey) & PYRITE	0.003	0.01
52.0	52.7	0.7	1.0	14279	T & Q1 (Grey)	0.001	0.02
52.7	53.0	0.3			Q1 Grey & T		
53.0	53.2				A & T		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL E2 ADIT WORKING PLACE 02-440 Drift STN DATE Oct 1/87 PG 5 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag	
53.2	54.2	1.0 } 1.3	14280	Q3	0.001	0.01	
54.2	54.5	0.3 }		Q1 & T			
54.5	54.7	0.2	14281	Q1 with massive Pyrite <CA 30°	0.020	0.04	
54.7	54.8	0.1 } 0.5	14282	Q3 & Diss Pyrite	0.003	0.02	
54.8	55.2	0.4 }		Q3 & Diss Pyrite			
55.2	55.5	0.3	14283	Q1 with Diss Pyrite & T 2cm GRD	0.001	0.05	
55.5	56.7	1.2	14284	Q1 (GREY)	0.001	0.02	
56.7	57.4	0.7	14285	Q1 (GREY) with T Stk	0.001	0.01	
57.4	58.8	1.4	14286	Q3	0.001	0.07	
58.8	60.7	1.9	14287	Q3	0.001	0.02	
60.7	61.0	0.3 } 0.6	14288	Q1	0.007	0.10	
61.0	61.3	0.3 }		Q3			
61.3	61.6	0.3	14289	Q1 (GREY) Some Pyrite	0.120	0.28	
61.6	62.2	0.6	14290	Q1 " E of Box 9 S of Box 10	0.042	0.13	
62.2	63.3	1.1	14291	Q1 minor massive Pyrite	0.020	0.09	
63.3	63.7	0.4	14292	Q1 major massive Pyrite	0.910	2.00	} 0.368/1.9
63.7	64.3	0.6	14293	Q1 " " "	0.452	1.01	
64.3	64.4	0.1		As Fragments Cave			
64.4	65.2	0.8	14294	Q1 minor massive Pyrite B.M@ 61.8 <CA 50°	0.080	0.23	
65.2	65.5	0.3 } 1.4	14295	A & T with Q1 some Pyrite	0.029	0.13	
65.5	66.6	1.1 }		T + Q Stk (.05cm wide)			
66.6	67.1	0.5	14296	T + Q Stk some Pyrite Also 'A' Stk.	0.001	0.01	
67.1	68.9	1.8	14297	T + Q E of Box 10	0.001	0.01	

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 ADIT WORKING PLACE 02-440 DRIFT STN DATE OCT 3/85 PG 6 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH		SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
68.9	69.2				5 of Box 11 As ∠CA 65°		
69.2	69.4				T + Q		
69.4	69.5	0.1	0.3	14298	Q2	0.001	0.01
69.5	69.7	0.2			Q1		
69.7	70.1				T		
70.1	70.9	0.8			Q2 Some Diss Py [Dip @ 70.7 -58°]		
70.9	71.2	0.3	1.5	14299	Q3 ∠CA 50°	0.001	0.01
71.2	71.5	0.3			Q2		
71.5	71.6	0.1			Q3		
71.6	72.2	0.6		14300	As & Q	0.001	0.02
72.2	72.9	0.7		14301	Q3 Some A & Pyrite	0.001	0.01
72.9	73.3	0.4		14302	As & Q with Pyrite ∠CA 50°	0.007	0.09
73.3	75.1	1.8		14303	Q3 & Diss Pyrite ∠CA 40°	0.001	0.01
75.1	75.3				As & Q		
75.3	75.5				Siliceous T Brkn Grd		
75.5	75.7				As Brkn Grd End Box 11 5 of Box 12		
75.7	76.5				As		
76.5	76.7	0.2	1.9	14304	Q2	0.001	0.01
76.7	78.4	1.7			Q3 ∠B 50°		
78.4	78.5	0.1	0.6	14305	As & Q1	0.001	0.01
78.5	79.0	0.5			Q5		
79.0	79.4	0.4			Q2		
79.4	79.6	0.2	1.0	14306	Q3	0.010	0.01

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 ADIT WORKING PLACE 02-440 DRILL STN DATE OCT 3/85 PG 7 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag
79.6	80.0	0.4		As & Q		
80.0	80.5			T ∠B 40°		
80.5	81.1	0.6	14307	Q_2	0.009	0.01
81.1	81.5	0.4 (1.0)		As & Q_3 ∠CA 25°		
81.5	82.1	0.6	14308	Q_2 SLIP @ 82.1 ∠CA 70°	0.002	0.01
82.1	82.4	0.3	14309	Q_3 E of Box 12	0.001	0.01
82.4	82.8	0.4 (0.7)		Q_3 ∠CA 45° S of Box 13		
82.8	82.9			As		
82.9	83.0	0.1		Q_3		
83.0	83.3	0.3	14310	Q_2	0.001	0.01
83.3	84.0	0.7 (1.1)		Q_3		
84.0	84.6			As & DISS PYRITE ∠CA 20°		
84.6	84.7			Q_3 & A		
84.7	85.2			As		
85.2	86.0	0.8	14311	Q_3 & T	0.001	0.02
86.0	86.5			As		
86.5	86.7			Q_3		
86.7	87.3			As & Q		
87.3	87.4	0.1	14312	Q_1 & PYRITE WITH T	0.001	0.01
87.4	87.6			As		
87.6	88.4	0.8	14313	As & Q_2 SOME PYRITE 88.1 BROKEN GRD	0.001	0.01
88.4	88.5			T E of B 13		
88.5	88.8	0.3		Q_1 (GREY) S of B 14		

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 ADIT WORKING PLACE 02-440 Drill Stn DATE Oct 3/EJ PG 8 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag		
88.8	89.6	0.8		T & A ∠ 50°				
89.6	89.7	0.1	14314	Q (GRey)	0.001	0.02		
89.7	90.0	0.3		As & T BRKN GRD				
90.0	90.2	0.2		Q1 (GRey)				
90.2	90.6			T				
90.6	91.0			A				
91.0	91.8	0.8	14315	Q2 ∠ 45°	0.001	0.05		
91.8	92.1	0.3	14316	Q2 + Some PYRITE	0.001	0.02		
92.1	92.3	0.2		Q2				
92.3	92.4	0.1	14317	D	0.001	0.04		
92.4	92.5	0.1		Q2 some PYRITE				
92.5	93.8	1.3	14318	D	0.001	0.02		
93.8	94.2	0.4	14319	Q2	0.001	0.02		
94.2	95.1			A E of Box 14				
95.1	95.7			A S of Box 15				
95.7	96.3			SILICEOUS T COARSE GRAINED ∠ 55°, SHR @ 96.1 ∠ 35°				
96.3	96.7			A				
96.7	97.2			SILICEOUS T COARSE GRAINED				
97.2	97.3			Q1				
97.3	98.3			As				
98.3	98.4			Q1 WITH PYRITE ∠ 40°				
98.4	98.8			As				
98.8	99.0			Q1 STRINGER ∠ 50°				

DIAMOND DRILL LOG

PROPERTY ALEXANDRIA HOLE # U-6

LEVEL #2 Adit WORKING PLACE 02-440 Drill Stn DATE Oct 6/83 PG 9 OF 9

FOOTAGE FROM	FOOTAGE TO	LENGTH	SAMPLE #	DESCRIPTION	ASSAY Au	ASSAY Ag	ASSAY	
99.0	99.4			A & T Diss Pyrite in A				
99.4	99.6			A				
99.6	99.7			Q, massive Pyrite with A				
99.7	100.1			A Diss Pyrite				
100.1	100.2			Q, massive Pyrite				
100.2	101.2			A_S				
	EOH							

500 W 485 W 470 W 455 W 440 W 425 W 410 W 395 W 380 W 365 W 350 W 335 W 320 W 305 W 290 W

3160 N 3125 N 3100 N 3075 N 3050 N 3025 N 3000 N 2975 N 2950 N 2925 N 2900 N

8100 E 8075 E 8050 E 8025 E 8000 E 7975 E 7950 E 7925 E 7900 E 7875 E 7850 E

U-2
DIP -40°-00'
EL. -35.9 m
TL 74.8 m

U-5
DIP -43°-20'
EL -74.9 m
TL 102.1 m

U-1
DIP -62°-30'
EL -77.4 m
TL 103.6 m

U-3
DIP -57°-30'
EL -70.4 m
TL 100.6 m

U-6
DIP -49°-30'
EL -66.9 m
TL 101.2 m

WASTE PASS

SHAFT

No 2 ADIT PORTAL (CAVED)

No 1 ADIT PORTAL

92-440
DRILL STN.
SILL EL. 117.9 m

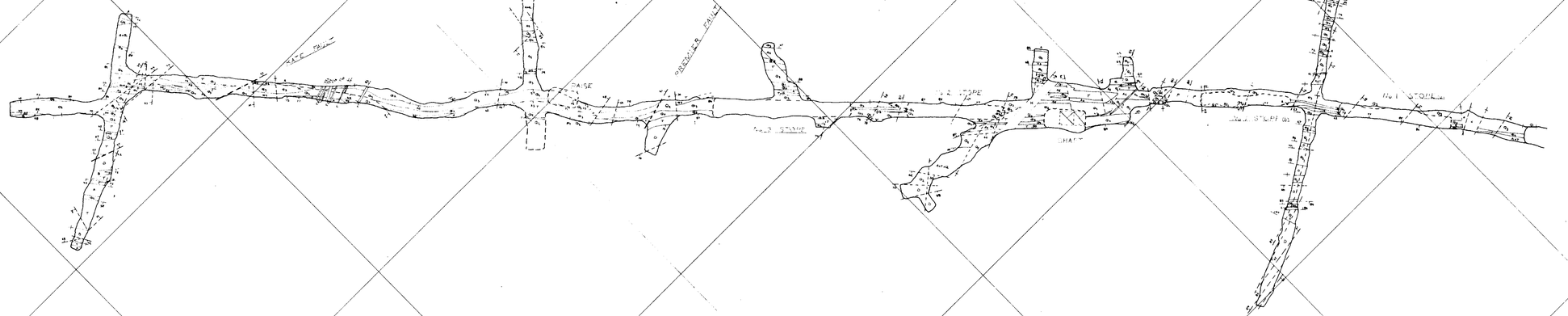
LEGEND

- No 1 ADIT, SILL EL. + 1 m
- No 2 ADIT, SILL EL. + 17 m
- No 3 ADIT, SILL EL. + 92 m
- DIAMOND DRILL HOLE PROJECTIONS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,839

ENGINEERING SHEET: N / W	**ALEXANDRIA MINE** PHILLIPS ARM, B.C.	**LEVEL :** DIAMOND DRILL COMPOSITE PLAN	SILL ELEV. : —	SCALE: 1 : 250 DATE: DEC / 83



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,839

GEOLOGY SHEET: N/W	**ALEXANDRIA MINE** PHILLIPS ARM, B.C.	**LEVEL:** No. 1 ADIT	SILL ELEV.: +1m	SCALE: 1:250 DATE: DEC./83