

Report On
Geological Mapping, Trenching and Diamond Drilling
on the A1 4, A15-7, Hyuk 1-3 and Nii
Mineral Claims (Hyuk-84 Group)

Toodoggone River Area, B.C.
Liard Mining Division
Lat. 57°08'N, Long. 127°22'W,
NTS 94E/6W 22.8

27.8

by

George W.G. Sivertz

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February 1, 1986

GEOLOGICAL BRANCH
ASSESSMENT REPORT Vancouver, B.C.

14,460

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Introduction

Energex Minerals Ltd. conducted a major exploration program on the 26 claim A1 property in 1985.

The property lies between Albert's Hump and Moosehorn Creek in the Toodoggone River area of north-central British Columbia.

Mobilization commenced on June 11, 1985, and was completed through Smithers to the Sturdee airstrip on June 12, 1985. Aircraft used included a Hercules, DeHavilland Caribou, Beech Expeditor and Piper Navajo; Bell 205 and 206 helicopters ferried materials and fuel from the Sturdee airstrip to the camp site southeast of Albert's Hump.

Camp construction began on June 21st and was completed on July 15th. Exploration got underway on June 22nd and was completed on September 18th.

Exploration included prospecting, detailed geological mapping, rock sampling, geophysical surveys, backhoe trenching and diamond drilling.

This report describes work conducted on 6 mineralized zones located on the A1 4 and 6, Hyuk 2 and 3, and NII claims (Hyuk 84 Group), between August 13 and September 18, 1985, and diamond drilling conducted on the Thesis III zone, located on the A1 4 claim, during June and July.

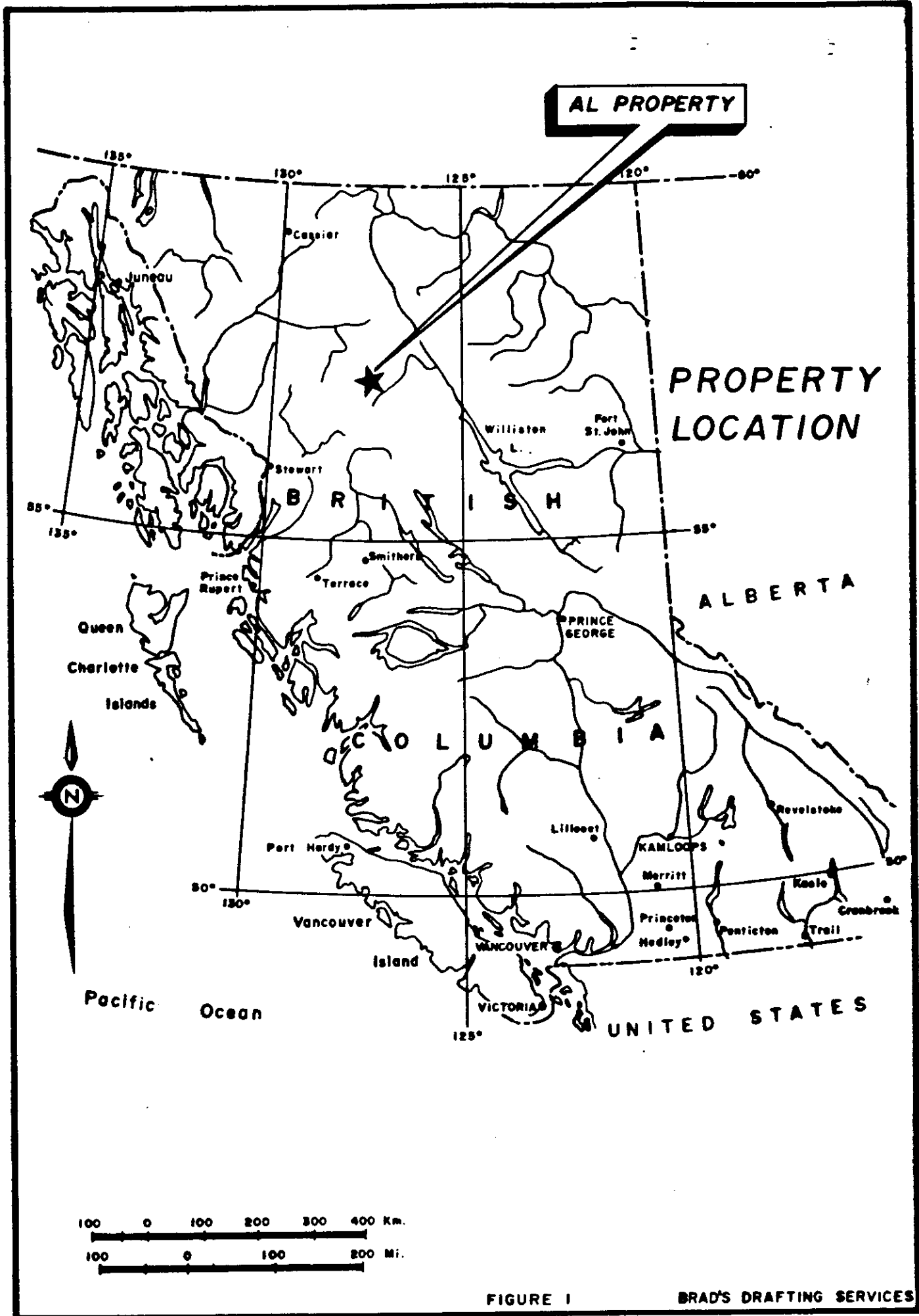


FIGURE 1

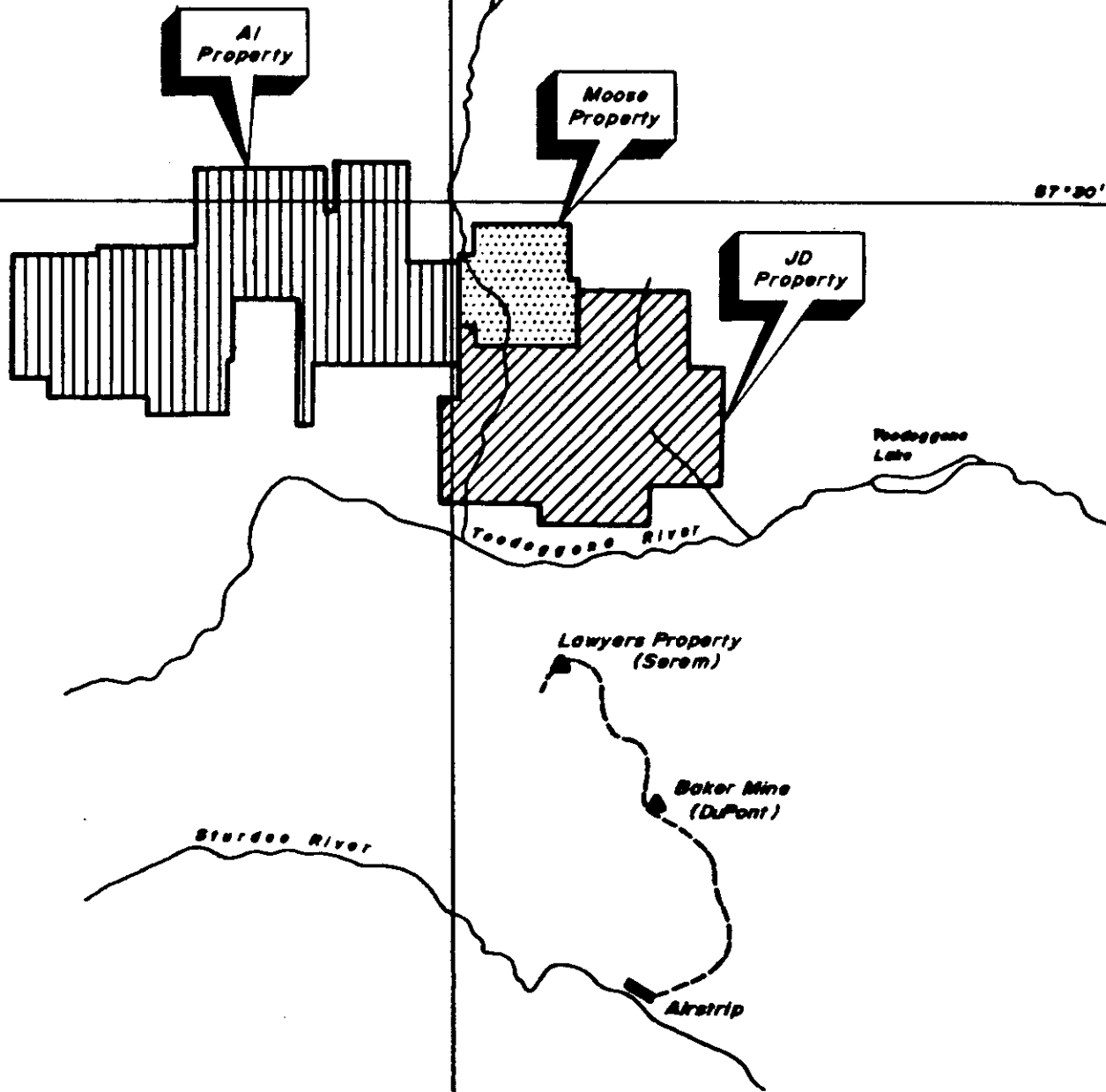
BRAD'S DRAFTING SERVICES

Property

The A1 property consists of 26 contiguous modified grid claims, comprising 298 units and 6 fractions. A table of claim data follows:

<u>Claim Name</u>	<u>Record #</u>	<u>Record Date</u>	<u>Mining Division</u>	<u># of Units</u>	<u>Current Group</u>	<u>Expiry Date</u>
A1 1	789	12Jun79	Liard	20	Hump 84	1995
A1 2	790	12Jun79	Liard	20	Bull	1995
A1 3	791	12Jun79	Liard	20	Hump 84	1995
*A1 4	792	12Jun79	Liard	20	Hyuk 84	Pending
A1 5	1439	18Jul80	Liard	10	Hyuk 84	Pending
*A1 6	1440	18Jul80	Liard	10	Hyuk 84	Pending
A1 7	1871	21Apr81	Liard	16	Hyuk84	Pending
A1 8	1872	21Apr81	Liard	16	Hump 84	1995
Bert	2012	13Aug81	Liard	20	Hump 84	1995
Ernie	2011	13Aug81	Liard	20	Hump 84	1995
Bull	2010	13Aug81	Liard	20	Bull	1992
Hyuk 1 (fr)	3026	11Jul83	Liard	1	Hyuk 84	Pending
*Hyuk 2 (fr)	3027	11Jul83	Liard	1	Hyuk 84	Pending
*Hyuk 3 (fr)	3028	11Jul83	Liard	1	Hyuk 84	Pending
*Nii	3029	11Jul83	Liard	6	Hyuk 84	Pending
JO (fr)	4272	08Sep81	Omineca	1	Bull	1990
RJ (fr)	4273	08Sep81	Omineca	1	Bull	1990
Winkle	4099	13Aug81	Omineca	20	Sesame82	1991
Chute	4100	13Aug81	Omineca	18	Bull	1992
Surprise	4098	13Aug81	Omineca	20	A/L 82	1987
Gerome	4097	13Aug81	Omineca	15	A/L 82	1987
Wankle	4095	13Aug81	Omineca	3	A/L 82	1986
Tinkle (fr)	4093	13Aug81	Omineca	1	A/L 82	1987
Was II	6249	29Aug85	Omineca	8	Bull	1996
Antoine Louis	4096	13Aug81	Omineca	10	A/L 82	1988
Furlong	4274	08Sep81	Omineca	6	A/L 82	1986

*Subject claims, this report.



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LOCATION MAP

AI, Moose,
& JD Properties



Scale 1:200,000

Date: October 1988.

Revised:

OTS: 04 E/88

Figure: 2

Location and Access

The property is situated approximately 300 kilometers north of Smithers, at 57°28'N latitude and 127°22'W longitude.

The Toodoggone River area is served by the Sturdee airstrip, which lies 30 kilometers to the southeast of the Al camp. The Sturdee strip was built to accomodate Hercules aircraft, which were used to service DuPont's Baker mine.

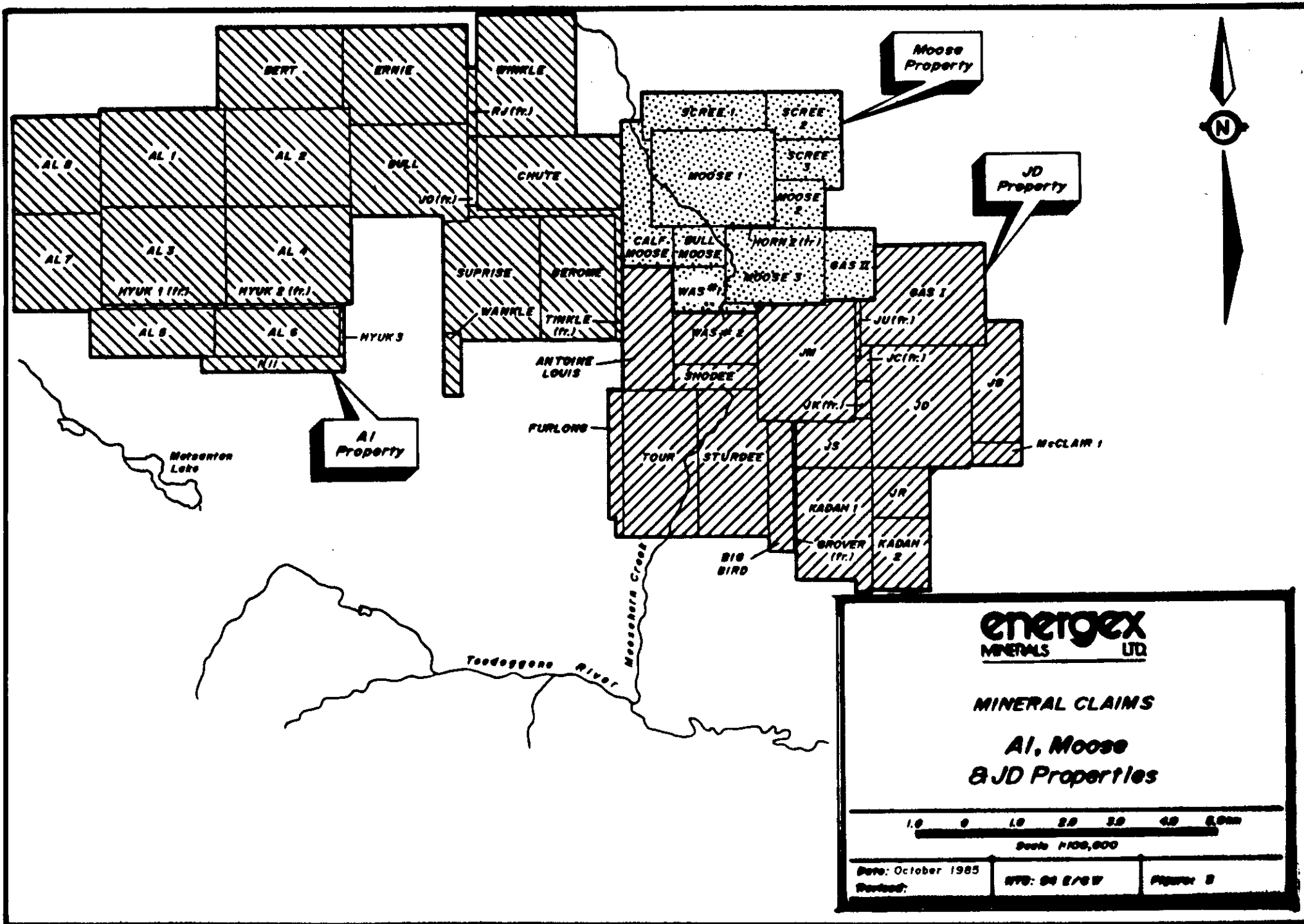
Access to the property is presently by fixed wing aircraft from Smithers and by helicopter from Sturdee strip. A road linking the Toodoggone area (S.E.R.E.M.'s Lawyers deposit) with the present terminus of the Omineca Mining Road is under consideration by the B.C. Government. If this road is completed, materials and personnel could be trucked to the roadhead and ferried to the Al property by helicopter, a distance of only 18 kilometers.

Physiography, Vegetation and Climate

The claim block covers a gently rolling, deeply dissected upland surface, which extends east from Albert's Hump to Tuff Peak, and south from Tuff Peak to Metsantan Mountain. The upland area is bounded by the valleys of Metsantan, Moyez/Abesti and Moosehorn Creeks, and is drained by Antoine Louis Creek and a southwest flowing tributary of Metsantan Creek.

The greater part of the property lies above timberline at elevations of 1400 to 1700 meters. Vegetation here consists of low scrub and alpine grasses, with small stands of stunted Alpine Fir and krummholz. Forested areas fringing the alpine zone are dominated by spruce and fir, but stands of pine and poplar also occur.

The property is snowbound from early October until mid-June. The short summer season is typically cool and showery. Occasional snow showers occur throughout the summer months but accumulated snow does not linger for long.



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MINERAL CLAIMS

AI, Moose
& JD Properties

1.0 0 1.0 2.0 3.0 4.0 5.0km
Scale 1:100,000

Date: October 1985	SVP: 94 E/W	Figure 2
Revised:		

Previous Work

Early work in the area of the present Al property consisted of a program of prospecting, hand trenching and rock sampling conducted by Newconnex on the Hump claims. This work, completed in 1973, was directed to the discovery of porphyry-type Cu-Mo deposits and was unsuccessful.

The Al 1-4 claims were staked by Energex Minerals Ltd. in 1979, and were optioned to Texasgulf Canada Ltd. in 1980, together with the Moose and JD properties. Texasgulf completed reconnaissance geochemical and geological surveys in that year, and staked the Al 5-6 claims to cover large alteration zones on the north flank of Metsantan Mountain.

In 1981, more extensive and detailed grid-controlled geochemical surveys were conducted. Additional work included trenching and VLF-EM/magnetometer orientation surveys. The work produced encouraging results; the claim block was further enlarged by the addition of the Al 7-8, Bert, Ernie, Bull and Oscar claims.

The 1982 program consisted of geological mapping and rock geochemistry, reconnaissance and detailed soil geochemistry, IP surveys, backhoe trenching, diamond drilling, and a legal survey of legal corner posts. Drilling and trenching were concentrated on the Bonanza-Ridge alteration zones; additional holes were drilled on the Furlong and Hump zones. The drilling was technically successful but the results were erratic and only moderately encouraging. It had become apparent that extensive surface work was needed before mineralized zones were tested by drilling (Sutherland and Clark, 1982).

Accordingly, 1983 was a season of detailed surface exploration which included very extensive backhoe trenching and limited geological mapping and soil sampling. This work resulted in the discovery of the high grade "Verrenass" zone in the Bonanza-Ridge area, and the "Thesis II" mineralization south of the present camp area.

In 1984, extensive backhoe trenching and diamond drilling were conducted on five mineralized zones, including the Verrenass, Ridge and Thesis II, and the newly discovered Thesis III and BV (Barite Vein) zones. The drilling results varied; encouraging high grade intersections were made on the BV and Thesis III zones and assays from the other zones were of moderate grade (von Fersen, 1984).

The Al property, together with the Moose and JD groups, was returned to Energex Minerals Ltd. in late December 1984. Kidd Creek Mines Limited (formerly Texasgulf Canada Ltd.) retained a 15% net profits interest in the properties.

Geology and Mineralization

The Al property is underlain by dominantly andesitic porphyritic volcanic rocks, including flows, tuff and agglomerate. These are of Lower to Middle Jurassic age and have assigned to the "Toodoggone Volcanics" (Carter, 1972; Diakow, Pantaleyev and Schroeter, 1985).

The "Toodoggone Volcanics" have recently been subdivided into 8 units/formations, consisting of interlayered lava flows, ash flows and lapilli and crystal tuffs, with subvolcanic equivalents and associated volcanoclastic and epiclastic rocks.

Four of these units underlie the Al property; these include the basal Adoogatcho Creek Formation, the Moyez Creek Volcaniclastics, the Lawyers-Metsantan Quartzose Andesite and the Tuff Peak Formation.

The basal unit (1) is dominantly porphyritic reddish grey to dark brown quartzose biotite hornblende ash flow tuff, which is commonly welded to some degree. This unit outcrops on the west-central and northern section of the property (AL 1-4, 7-8, Bert, Ernie and Winkle claims). Overlying the basal unit on the north and east flanks of Tuff Peak, the Moyez Creek Volcanoclastic unit (2), consisting of conglomerate, crystal tuff, greywacke and minor limy sediments, outcrops in two east-trending bands.

The Lawyers-Metsantan Quartzose Andesite (3) underlies the Metsantan Mountain area, on the southern section of the property. This unit comprises mainly lava flows and flow breccias composed of porphyritic, green to grey biotite-hornblende plagioclase andesite, with minor lapilli tuff and rare welded tuff of similar lithology.

The Tuff Peak Formation (6), consisting of purple, grey and green augite biotite-hornblende plagioclase lava flows with minor crystal/lapilli tuff and subvolcanic sills and plugs, outcrops on the eastern section of the property. This unit in part directly overlies the basal unit and in part is in fault contact with it.

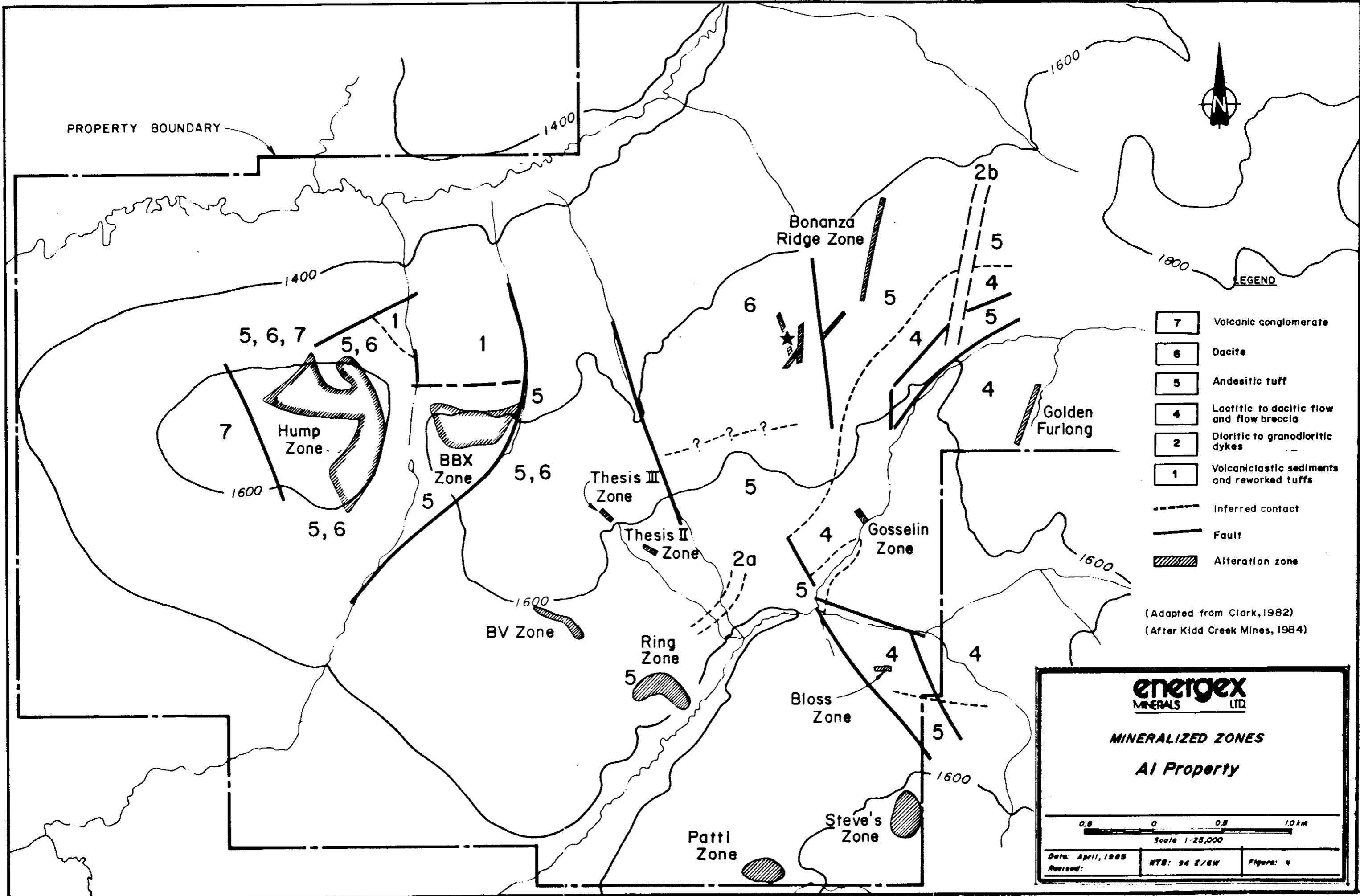
Alteration zones, some of large areal extent (25-75 ha), occur in large numbers on the property. They are characterized by strong, often complete argillization and silicification of the host rocks; pervasive alunitization is also present on Albert's Hump (AL 1, 3 claims). Alteration zones are apparently structurally controlled, mainly by north-northwest to north-northeast trending faults.

They typically contain intensely silicified cores surrounded by wide envelopes of argillic alteration. Subtypes, including silicification with pyrite, argillization with hematite/goethite, and silicification with hematite/goethite, have also been recognized.

Native gold, with minor silver, occurs within the silicified cores of many of the zones. This mineralization is almost always accompanied by barite, and the best grades are often found in highly porous rock, which apparently permitted easy access to mineralizing fluids.

To date, a total of 12 auriferous alteration zones, and many more geochemically anomalous zones, have been discovered. These are commonly shaped like elongated lenses in plan, and are commonly oriented northwest to north-northeast. One zone, the BV, is several hundred meters in length and is apparently an imbricated vein-fault system.

Alteration zones discussed in detail in this report include the Bloss, Patti, Steve's, Ring and Thesis III. Preliminary results from the Eric and Pond zones are also given.



PROPERTY BOUNDARY



LEGEND

- 7 Volcanic conglomerate
- 6 Dacite
- 5 Andesitic tuff
- 4 Lactitic to dacitic flow and flow breccia
- 2 Dioritic to granodioritic dykes
- 1 Volcaniclastic sediments and reworked tuffs
- Inferred contact
- Fault
- ▨ Alteration zone

(Adapted from Clark, 1982)
(After Kidd Creek Mines, 1984)

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MINERALIZED ZONES
AI Property

0.5 0 0.5 1.0 km
Scale 1:25,000

Date: April, 1988
Revised: NTS: 94 E/6W
Figure: 4

Bloss Zone

The Bloss zone lies near the southeast corner of the Al 4 claim. It was discovered in 1982 during investigations of soil geochemical anomalies. It formerly consisted of a single outcrop on the west side of a small stream. The outcrop, a small scarp face measuring approximately 16 meters long (E-W) by 2 meters wide, returned a number of moderate gold assays from grab samples in 1982:

<u>Sample</u>	<u>Type</u>	<u>Au ppb</u>	<u>Ag ppm</u>
116A	Float	460	0.6
116B	Float	2900	0.5
116C	Float	740	9.2
116D	Grab	45	0.3
116E	Grab	440	1.9
116F	Grab	2100	9.1

These results were judged worthy of follow-up work (Clark and Sutherland, 1983). Accordingly, 6 backhoe trenches were dug in September 1985, in an attempt to extend the zone. Four of the trenches reached bedrock; the western and easternmost trenches bottomed in heavy boulder clay.

The Bloss zone has a steeply dipping, east-west trending core of completely silicified rock (A₅) apparently flanked by a clay alteration zone (A₂). The core has a tabular, veinlike form which outcrops as a resistant spine. The south contact or wall of the siliceous core appears to be a south-dipping fault; the north contact is not exposed in most of the trenches, due to the steep scarp topography controlled by the spinelike expression of the resistant core.

The core zone is well fractured and is locally brecciated (Trench 4). Fractures contain traces of pyrite with abundant limonite and minor hematite. Barite is present but not abundant. The porosity is low except where (post-mineral?) fracturing and brecciation are intense.

A series of chip/channel samples was obtained from the four trenches. Results are as follows:

<u>Sample</u>	<u>Trench</u>	<u>Width (m)</u>	<u>Au (g/tonne)</u>
G-172	1	1.00	1.20
G-173	1	2.10	0.31
G-174	2	2.40	1.40
G-175	2	1.75	1.20
G-176	2	1.25	0.66
G-177	3	2.00	0.41
G-178	3	2.00	1.00
G-179	4	1.85	0.18
G-180	4	1.80	0.08

Further trenching with a large backhoe is warranted. The zone is open to the east, west and north. The tabular form of the exposed zone suggests that it will persist along strike for a significant distance.

Patti Zone

This is a major hydrothermal center located on the south flank of Metsantan Mountain on the NII claim, 1.5 kilometers southeast of the Ring zone. It is at least 250 meters wide and 350 meters long and may be part of a much larger system. It is not as topographically positive as Steve's zone; much of the zone has been exposed by stream erosion.

The zone comprises two closely spaced, parallel, north-trending "spines" or hogback ridges of completely silicified rock (A₅), surrounded by a large halo of advanced argillic (A₂), argillic-siliceous (A₂-A₅), and rare siliceous-pyritic (A_{7A}) alteration. The central ridges coalesce on the south end of the zone, forming a massive silica outcrop approximately 60 meters wide.

The siliceous core has the form of an elongated pear in plan; it is sectioned by stream erosion at the south end of the zone, where it appears to widen downwards. The argillic envelope appears less symmetrical but its limits are obscured by its subdued topographic expression and resulting poor exposure.

The silicified core is typically composed of grey to buff amorphous silica. Vugs lined with tiny quartz crystals (druse) are locally common, particularly in the east-central section. Limonite-coated fractures are very common, as are small sections of breccia.

The clay-rich rocks enveloping the siliceous core are commonly grey-white to yellow-white, porphyritic, and pyritic or hematitic. In a few localized areas in the east-central and west-central sections of the zone, iron-rich argillic rocks are medium to dark brown, or yellow-green, due to more or less oxidized pyrite. Good outcrops of argillic rock are rare due to their susceptibility to erosion.

The primary structural trend of the Patti zone, reflected by its overall symmetry and the orientation of the siliceous core and peripheral tabular silicified zones, is north-south. However, superimposed on this dominant structure is a secondary southeast trending pattern of minor faults, "dry" fractures, and fracture-hosted barite veinlets. These features are most easily seen in the siliceous core but are somewhat obscure in the peripheral argillic halo. The secondary southeast trending fault/fracture pattern is interpreted to postdate the main hydrothermal (silicification-argillization) event. Later mineralizing activity, exemplified by the barite filled fractures, is considered to be contemporaneous with or possibly later than the fracturing and faulting.

The presence of gold mineralization, primarily within the siliceous core, is indicated by grab samples collected late in 1985.

The 10 best samples average 8.46 grams/tonne:

<u>Sample #</u>	<u>Type</u>	<u>Au (grams/tonne)</u>	<u>Comments</u>
G-137	Grab	2.90	Core; A _{5A} + ba
G-138	Grab	1.20	S. core, A _{5A}
G-139	Grab	5.50	S. core, ba
G-140	Grab	58.50	S. core - ba vein
G-144	15 cm. chip	3.75	S. core - ba vein
G-146	Grab	1.80	Float (local) A _{7A}
G-153	Grab	1.00	N. center A _{5A}
G-159	Grab	3.80	N. center A _{5A} + ba
B-251	Grab	2.20	E. edge
B-264	Grab	3.90	NW edge

The gold is apparently closely associated with massive barite in veins and breccias within the siliceous core.

The last two samples noted in the table were collected from two peripheral siliceous zones, containing abundant pyrite (A7A). Other peripheral siliceous zones did not return gold values over 1.0 grams/tonne.

It appears that gold was deposited at the same time as barite, possibly during a late stage hydrothermal event. Explosive depressurization during the same event may have caused the fracturing and brecciation noted in the siliceous core zone, with contemporaneous deposition of gold-barite mineralization.

Further work on the Patti zone itself should include detailed sampling of the siliceous core zone, with follow-up sampling of local "hot spots" within the argillic envelope. With hole locations based on the results of the detailed sampling, a diamond drill program is recommended to test the zone at depth.

Trenching, using a tractor-mounted backhoe, is warranted north and west of the presently exposed edges of the zone to search for gold bearing siliceous alteration zones. Such zones may not outcrop if they have high porosity or fracture density.

The country between the Patti zone and Steve's zone, 1 kilometer to the east, should be prospected, soil sampled, and trenched. This area has widely scattered outcrops of phyllic, argillic, and silicic alteration. Soil sampling at widely spaced intervals was conducted over the eastern part of this area by Kidd Creek Mines Ltd. in 1982, but this work was far too generalized for such an altered area. Future soil sampling should be conducted on 50 meter centers and should be accompanied by float prospecting, geological mapping, and rock sampling.

Steve's Zone

This lies near the southeast corner of the A1 6 claim; its southern extremity is covered by the northeastern portion of the NII claim. The zone forms a prominent topographic high due to its erosional resistance.

Kidd Creek Mines Ltd. conducted reconnaissance level geological mapping on Steve's zone in 1982. A few rock samples were taken at the same time; one of these, taken from the northern section of the east "limb" of the zone, returned 1.30 grams/tonne gold. A single sample taken in 1984, from a barite-rich breccia

zone 150 meters south of the 1982 sample, assayed 2.70 grams/tonne gold. These results were considered by Energex personnel to be interesting and the zone was accordingly mapped at 1:1000 and sampled in more detail in late 1985.

Steve's zone is a large, roughly ovoid, hydrothermal alteration system approximately 300 meters wide and at least 450 meters long.

In general, the zone can be described as having a silicified core with a large envelope of advanced argillic alteration, similar to the Patti zone. In detail, however, the silicified core of the zone comprises three, and possibly four, separate siliceous outcrops with materially different fracture patterns, textures, and accessory mineralogy.

The largest and most competent outcrop forms a prominent, north-northeast trending hogback ridge in the west-central section of the zone. This is mainly composed of light grey cryptocrystalline quartz, with relatively few fractures or vugs (A_{5B}). The west side of the outcrop is a steep scarp terminating in blocky talus; the scarp appears to be the western limit of silicification and probably represents a contact with dominantly argillized rocks.

Separated from the large western outcrop or "limb" by an extensive area of felsenmeer is another silicified outcrop. This, too, forms part of a north-trending ridge, this time with a scarp on the east side. This outcrop is heavily fractured, brecciated, and iron-stained, particularly near its southern end.

To the south of this outcrop is a section of felsenmeer and swampy ground, from which rises a third silicified zone. This zone is also heavily fractured and brecciated, but it contains locally abundant massive barite as breccia matrix and veining.

It is probable that the three main outcrops or zones comprising the core of Steve's zone are separated by zones of argillic or argillic-silicic alteration. These alteration types are less resistant to weathering and erosion and tend to underlie topographically negative areas, as is the case at Steve's zone.

Approximately 300 meters southeast of the center of Steve's zone is a discrete outcrop of silicified rock, exposed at the south end of a tapering north trending

low ridge which may represent a buried silicified zone. The outcrop forms a south facing, frost-riven scarp, which probably marks the southern limit of silicification. No further outcrop is evident for several hundred meters to the south of the scarp, suggesting that this area is underlain by argillic alteration or unaltered volcanic rocks.

Accessory minerals in the core of Steve's zone include limonite and barite, and rare hematite, sericite, and clays. Limonite is very common in the northern and southern siliceous outcrops on the east side of the zone, where the mineral coats fracture planes and cavities in breccias.

Barite is common only in the southeastern section of the core zone, where it occurs as breccia matrix in zones up to 1 meter wide, and in massive veins up to 15 centimeters wide. Narrower stringers of massive barite, containing occasional angular fragments of quartz, occur on the extreme south end of the west "limb" of the core zone. None of the breccia zones, veins, or stringers containing barite can be traced for more than a few meters along strike, suggesting that they may occupy gash or tension fractures within the silicified host rocks. However, en-echelon veins and stringers can be traced for tens of meters, even though the individual features may be discontinuous.

Further work, in the form of detailed rock sampling, float tracing, hand trenching and backhoe trenching is needed to determine the size and surface grade of the barite breccia/stringer vein zone in the southeast section of Steve's zone. Diamond drilling will ultimately be required to test the barite/gold mineralization at depth.

Backhoe trenching would also be a useful method for exploring felsenmeer and swamp covered sections of the core of the zone, and its northern and southern extensions.

Ring Zone

The Ring zone, named after a clearly defined ring-shaped air photo feature, is an extensive area of argillic to siliceous alteration which extends southeast from the south end of the BV zone onto the A1 4 claim.

The altered area is nearly 600 meters long and is at least 300 meters wide. The air photo "ring" lies within this area, but is apparently more the result of vegetative patterns controlled by drainage and exposure than bedrock structure or lithology.

The dominant alteration types exposed in natural outcrop within the Ring zone are silicification (A₅) or silicification-argillization (A₅-A₂). Trenching has indicated, however, that argillization is by far the most important and widespread alteration type, and that silicification does not often extend beyond the boundaries of the natural outcrops.

The trend of primary alteration features in the Ring zone appears to be north to north-northeast, if the orientations of individual silicified zones are used as indicators.

There appear to be two fracture trends, to the southeast and north-northeast. The north-northeast trend is dominant within siliceous outcrops, whereas the southeast trend is more apparent within peripheral argillized zones.

The silicified zones occur at intervals along a roughly linear southeast trend, extending from just southeast of the BV zone to a steep bluff overlooking a major stream valley. The topography south of the stream valley is relatively subdued and no outcrop is found on trend with the Ring zone. Any extensions of the zone across the valley will require backhoe trenching to locate.

Typically, the silicified zones within the Ring zone are composed of cryptocrystalline quartz, with considerable limonite on fracture planes and as vug filling. Barite is rare. The outcrops are heavily fractured and brecciated. Individual fragments of quartz display crude banding typical of welded tuff, particularly in the large outcrop forming the bluff in the southeast section of the zone. However, this banding could also be a hydrothermal texture, common in epithermal deposits.

The argillized rock comprising the bulk of the zone is commonly bone-white to buff-yellow, porphyritic, and only slightly siliceous. Local sections contain abundant hematite; a breccia texture is common, with white argillized clasts in a

maroon matrix of hematite and clay, giving a distinctive mottled or 'swirled' appearance. Pyrite is restricted to very localized occurrences within the argillized rocks, but abundant limonite indicates its former presence. Ferricrete is common in boggy areas, and a very large and prominent ferricrete gossan of hydromorphic origin is developed downslope from the silicified, bluff-forming outcrop overlooking the creek in the southeast area of the zone. This gossan is in all respects similar to those originating from the Thesis III zone.

The distribution of gold in the Ring zone is typical of the other major alteration zones on the A1 property in that strongly anomalous to economic-grade values are restricted to zones of strong silicification containing little or no clay. A large number of samples was taken from argillized rocks in the Ring zone to confirm this pattern; the average gold content of the non-silicified rocks is 17 ppb, essentially equal to background. Gold values from silicified outcrops average approximately 250 ppb; the highest value obtained in 1985 was 1600 ppb, although sampling by Kidd Creek Mines Ltd. in 1981 returned an assay of 14.74 grams/tonne from the same area.

Further work in the Ring zone should be focussed on two areas with high (greater than 1.0 gram/tonne) gold values. These are located on the northwest and southeast sections of the zone.

Backhoe trenching is needed in both these areas; this work should be directed with a regard to the possibility of north-northeast and southeast trending extensions of mineralized zones. In addition, work on the northwest part of the zone should be conducted to prove or disprove a direct structural connection between Ring zone and BV zone alteration; this would entail further trenching on the south end of the BV zone as well as to the northwest of the Ring zone.

Eric Zone

This zone lies 1 kilometer south of the Bonanza-Ridge area. It was discovered by geophysics and partially trenched very late in the 1985 season; trenching was not completed due to heavy snowfall. A total of 10 grab samples was obtained from the central 3 trenches. Results are as follows:

<u>Sample</u>	<u>Au (ppb)</u>
85-ET-1	5
85-ET-2	170
85-ET-3	350
85-ET-4	240
85-ET-5	45
85-ET-6	60
85-ET-7	10
85-ET-8	10
85-ET-9	120
85-ET-10	60

Due to the near-blizzard conditions prevailing at the time, no geological mapping was completed. The sampled material was limonite-stained silicified and argillized porphyritic volcanic rock (A₅-A₂).

The results of the trench sampling are only moderately encouraging, but the anomalous gold values indicate the presence of an auriferous alteration zone of undetermined size.

Further backhoe trenching is warranted to explore for better grade material.

Pond Zone

This zone lies about 500 meters east of camp, in the northwest corner of the A1 4 claim.

As with the Eric zone, the presence of alteration in the Pond zone was suggested by a sharp low resistivity-moderate resistivity contact pattern outlined by the single-line reconnaissance IP survey run late in the 1985 season. The zone is also marked by a small outcrop of silicified rock discovered and sampled by Kidd Creek Mines Ltd. in 1984.

Backhoe trenches dug very late in 1985 exposed weathered and highly fractured silicified and argillized bedrock north and south of the outcrop. Geological mapping was not completed due to heavy snowfall, but several sections of silicified rock flanked by limonite or hematite stained argillized rock were

noted. The northernmost trenches bottomed in ferricrete (argillized rock fragments cemented together by limonite) which probably overlies argillized rock.

Gold values obtained were generally low except from the silicified outcrop (170 ppb Au) and Trench P-8 (190-260 ppb Au). Samples taken included grab, chip, and channel types. The sampling represents a first-pass evaluation and detailed sampling is needed to clarify the pattern of gold distribution.

Additional backhoe trenching is required in the Pond area, between Trenches P-4 and P-8, to search for better grade material and to shed some light on the structure of the area.

Thesis III Deposit

The Thesis III gold deposit is hosted by a complex epithermal alteration system located on the A1 3 and 4 claims. Gold mineralization was first indicated by a weakly anomalous gold value (115 ppb) in a soil geochemical sample taken by Kidd Creek Mines in 1981; detailed follow-up soil geochemical sampling in 1983 returned gold values of up to 3,300 ppb within a 200 meter x 200 meter area. This area was prospected early in the 1984 field season and native gold mineralization was discovered in a small outcrop in the core of the deposit. Subsequent backhoe trenching later in 1984, and diamond drilling in 1984 and 1985, led to the recognition of an important gold deposit.

The alteration system hosting the gold deposit comprises at least three sublinear parallel "core" zones of intense silicification, separated and surrounded by haloes of intense argillic alteration developed in porphyritic andesite. The alteration system appears to be controlled by a northwest trending fault system, which is also thought to control the Thesis II alteration zones 400 meters to the southeast.

The Thesis III alteration system has been explored by trenching along 200 meters of strike; the system is at least 100 meters wide. Gold occurs with barite within the intensely silicified "cores" of the alteration system. This mineralization is hosted by veins and breccias, thought to postdate the main hydrothermal (silicification-argillization) event.

The internal structure of the Thesis III system is complex; minor faults have displaced blocks of gold-bearing silicified rock and juxtaposed them against relatively barren argillized blocks. However, apparent lateral fault offsets rarely exceed a few meters, so the overall continuity of the zone is unaffected.

Higher grade gold mineralization is hosted by intensely silicified rock with a characteristic porous, vuggy texture, the result of leaching of corroded, clay-altered plagioclase phenocrysts. The vugs are commonly partially filled with barite crystals (druse). Spectacular masses of dendritic or 'mossy' gold, to 1 centimeter in diameter, occur on barite druse; however, most of the gold is finer (10-100 microns) and is locked into barite grains (Sutherland, 1984).

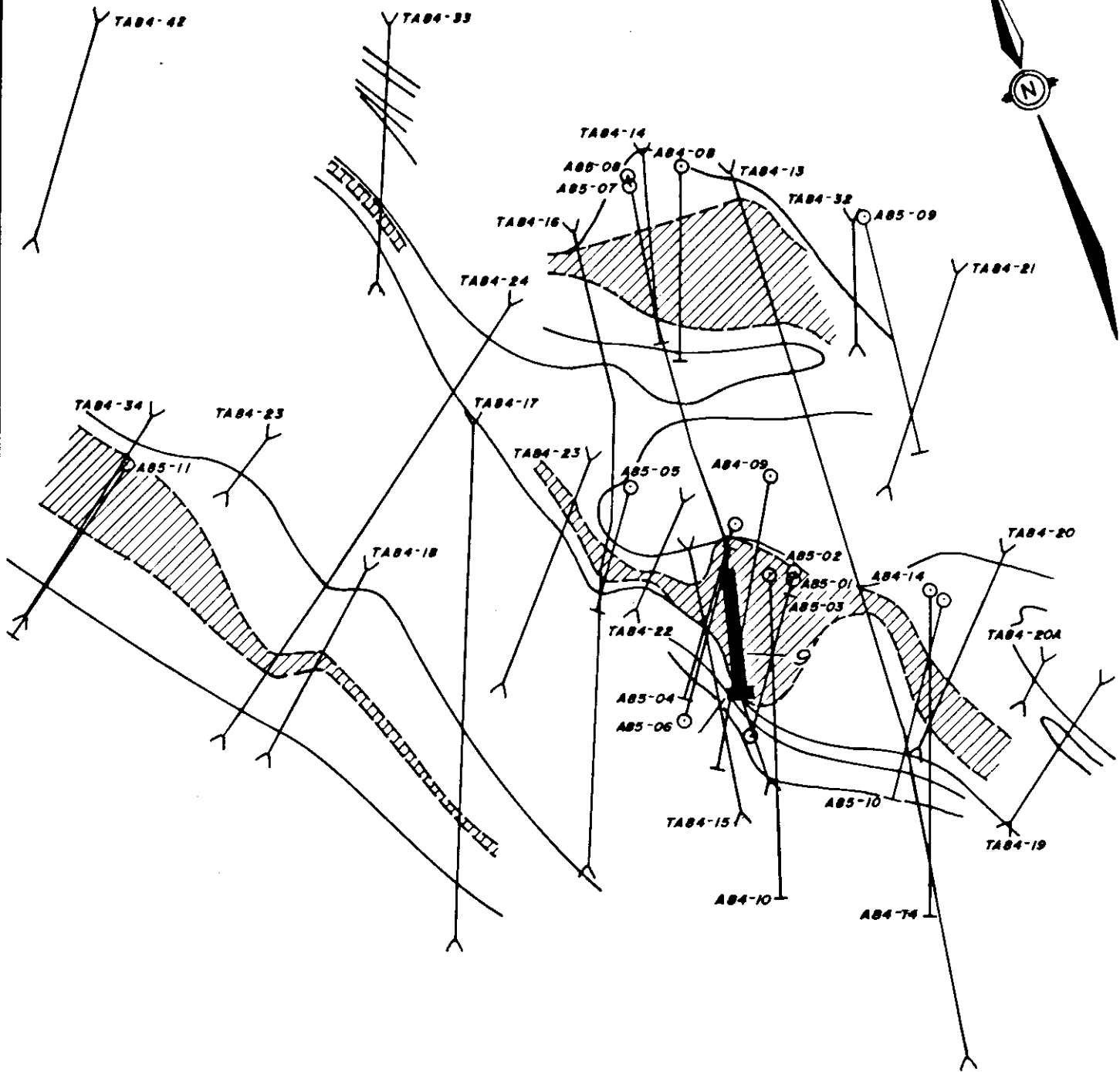
Diamond Drilling - Thesis III Deposit

Diamond drilling on the Thesis III deposit in 1985 was conducted in two phases; the first, involving holes A85-01 to A85-11, was designed to test the central section of the deposit, and the second, involving holes A85-30 to A85-35, mainly tested peripheral sections. A total of 945 meters of HQ core was recovered from the 17 holes.





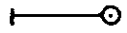

Most holes were at 10 to 20 meter spacings and were drilled from both sides of the structure in the central part of the deposit. Four holes were drilled to provide additional information on the two sub-parallel structures.

HQ (6.3 centimeters) diameter core was used in order to improve recoveries obtained by Kidd Creek Mines Ltd. in 1984 drilling. One 1984 hole, A84-10, intersected a 16.7 meter section grading 32.25 grams/tonne gold, but recovery was poor (30%).

In the 1985 drilling, high gold values were obtained over significant core lengths in the central section of the deposit. Sections of core selected for sampling, including all silicified rock (A₅), were halved using a diamond saw. Individual sample lengths were mainly 0.5 and 1.0 meters. Some of the higher grades over 0.5 meter core lengths include 710.4 grams/tonne gold, in hole A85-01, and 1375.0 grams/tonne in hole A85-10. Visible gold is readily apparent in the higher



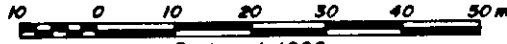
LEGEND

-  Alteration envelope — silicification/argillization +/- pyrite
-  Mineralization
-  Fault
-  Bulk sample
-  Diamond drill hole
-  Trench

energex
MINERALS LTD

All Property
THESIS III ZONE

PLAN OF GEOLOGY AND DRILL HOLES



Scale 1:1000

DATE: DEC., 1985	NTS: 94E6/W	FIGURE: 5
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grade sections, which presents a potentially difficult sampling problem. To ameliorate this situation, samples were initially fire assayed (20 gram split) and high assays were cross-checked at a second laboratory. A program of re-assaying, using a 30 gram reject split and multiple assays, was completed in mid December 1985.

The central Thesis III deposit was drill tested on four section lines 10 to 15 meters apart and by step-out holes to the northwest and southeast. Hole A85-34, 75 meters northwest of the area of detailed drilling, intersected 2.85 grams/tonne gold over 1.5 meters. Hole A85-35, just southeast of one of the better holes (A85-10), is believed to have been drilled principally in the hanging wall of the zone from which a 5.5 meter section assayed 3.27 grams/tonne gold. A85-33, 40 meters southwest, intersected low gold values and may have been terminated prior to intersecting the zone.

Excluding the northwest drill hole, the deposit has been tested over a strike length of nearly 100 meters and to a depth of up to 40 meters. The mineralized structure dips steeply southwest to northeast and the average true width is approximately 10 meters.

The northeast zone was tested by three drill holes in 1985. Two of these, A85-07 and -08, drilled from the same setup, intersected lower grades of mineralization (2.7 to 4.1 grams/tonne gold) over core lengths of 7.7 to 13.4 meters. The best value in hole A85-09 was 2.36 grams/tonne gold over one meter; this hole may have been drilled subparallel to the structure. Hole A85-11, drilled to test the west structure, intersected 10 meters grading 2.00 grams/tonne gold.

The 1985 drilling confirmed consistent gold mineralization in the central part of the Thesis III deposit, and left the structure open to the southeast and to depth.

Conclusions and Recommendations

A. Bloss Zone, et al

The work carried out on the six zones described in this report has underscored the fact that gold mineralization on the AI property is widespread and that it is directly associated with silicification and occurs with barite.

Moderate gold values (1-3 grams per tonne) were obtained from the Bloss, Steve's and Ring zones. More surface work, including backhoe trenching and detailed rock sampling, is required in these areas to define better grade mineralization and drill targets.

Moderate to high gold values were obtained from the Patti zone. Detailed surface sampling is needed to pinpoint drill targets but present indications are that drill testing of the Patti zone during the 1986 season is warranted.

The Eric and Pond zones are in an early stage of evaluation; moderately anomalous gold values were obtained from these zones but considerable additional backhoe trenching, mapping and sampling will be required to delineate higher grade areas.

The 1985 work proved the value of the backhoe as an exploration tool. It is recommended that a backhoe-mounted crawler tractor be leased or purchased in order to conduct trenching on a full time basis in 1986.

Exploration of known silica-barite-gold occurrences on the AI property is far from complete since only three seasons of intensive work have been completed and much effort has focussed on a small percentage of known showings. Potential still exists for new discoveries using conventional prospecting and follow-up investigation of soil metal anomalies. Application of these techniques has resulted in the discovery of all the auriferous zones known to date. Backhoe trenching of float and soil metal anomalies on a systematic basis has barely begun.

Gold-bearing silica-barite occurrences that remain essentially totally unexplored include 3 unnamed zones 1 kilometer southeast of Albert's Hump, within the BBX zone and 400 meters northwest of the north end of the Thesis I float train. All of these are backhoe trench targets of higher priority than the Eric or Pond zones. In addition, the Gosselin zone, 1 kilometer north of the Bloss structure, has yet to be visited by Energex personnel and was not trenched or drilled by Kidd Creek Mines Ltd.

Follow-up prospecting, resampling and trenching of gold soil anomalies in areas devoid of outcrop, which abound on all parts of the property, have been initiated but are far from complete. Enigmatic anomalies of potential importance include those south and west of the BV zone, north, south and east of Albert's Hump, east of camp (Thesis I), between the Bloss and Steve's zones, and the Muzzer grid and Bonanza Ridge areas. It should be noted that the explaining of gold soil anomalies using the theory of northern dispersion of float from certain zones, notably the Thesis II and III, Steve's, Bingo and Bonanza Ridge, is based only on a theory and should be subjected to rigorous testing.

B. Thesis III Deposit

Exploration work, including trenching and diamond drilling, indicates the presence of potentially economic gold mineralization in the central silicified zone of the Thesis III deposit. The gold is in native form, and occurs in barite-quartz veins and breccias within intensely silicified, porous, vuggy rock.

Drilling conditions are difficult; the 1984 program was plagued by poor core recovery and very poor ground conditions. Larger-diameter (HQ) holes drilled in 1984 alleviated the problem somewhat, but high bit consumption made the drilling cost very high. Thinwall drilling will be conducted in 1986 in an attempt to cure the problem.

To date, drilling has indicated gold mineralization along 180 meters of strike and to 40 meters depth. Widths, while quite variable, range up to 15 meters, using a 1 gram/tonne grade cutoff.

Further work should include trenching, stripping, detailed geological mapping and diamond drilling. Stripping operations, necessary for detailed mapping leading to a greater understanding of this complex deposit, should be limited to the thinly-covered drilled-off section of the alteration zone. Trenching should be conducted north and south of the deposit, to explore for continuations along strike. Diamond drilling should be guided by previous drill results and ongoing trenching, and should be directed to depth as well as along strike.

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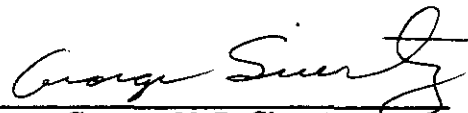
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CERTIFICATE

I, George W.G. Sivertz, residing at 6100 Twintree Place, Richmond, British Columbia, do hereby declare:

1. I am a geologist and have practiced my profession for 10 years;
2. I received a B.Sc. (honours) degree in Geology from the University of British Columbia in 1976;
3. I am a member of the C.I.M.M. and a Fellow of the G.A.C.;
4. I am the author of this report and was directly involved in the 1985 Al property exploration program on a full time basis.

February, 1986
Vancouver, B.C.


George W.G. Sivertz

Appendix 1
Statement of Expenditures

Al 4 Claim**Statement of Expenditures****Thesis III Diamond Drilling****June 27-29 and July 4-8, 1985**Field Personnel

	<u>Man Days</u>	<u>Rate</u>	<u>Total</u>
Joanne Black	7.0	\$ 67	\$ 469.00
Louise Eccles	7.0	175	1,225.00
Marie F. LeDoze	7.0	100	700.00
Laura Louie	7.0	100	700.00

Consultants

Rapitan Resources Ltd.	1,575.00
Toodoggone Resources Ltd.	1,575.00

Food and Accomodation

70 man days @ \$50	3,500.00
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Mobilization/Demobilization

Air North Charters (10% x \$14,230)	1,423.00
Northern Mtn. Helicopters (10% x \$47,035.66)	4,703.57

Vehicle Rentals

D-4 Cat, 7 days @ \$600	4,200.00
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Equipment/Supplies

(10% x \$9,716.91)	971.69
--------------------	--------

Instrument Rentals

Rock Saw	7 days @ \$50	350.00
Theodolite	1 day @ \$50	50.00

Laboratory Analysis

CDN Resource Labs	4,046.79
CDN Resource Labs (second assays)	1,608.00

Contract Work

Surveying: Kevin Coswan, 1 day	200.00
Drilling: J.T. Thomas D. Drilling	
DDH A85-01, 02, 07, 08, 09, 10: 954' x \$31.00/ft.	29,574.00
Bits: 954' x \$3.00/ft.	2,862.00

Report Preparation

Drafting and reproduction	<u>1,600.00</u>
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TOTAL**\$61,333.05**

AI 4 Claim

Statement of Expenditures

Thesis III Diamond Drilling

July 20-28, 1985

Field Personnel

	<u>Man Days</u>	<u>Rate</u>	<u>Total</u>
Joanne Black	6.0	\$ 67	\$ 402.00
Louise Eccles	6.0	175	1,050.00
Marie F. LeDoze	6.0	100	600.00
Laura Louie	6.0	100	600.00

Consultants

Rapitan Resources Ltd.	1,350.00
Toodoggone Resources Ltd.	1,350.00

Food and Accomodation

60 man days @ \$50	3,000.00
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Mobilization/Demobilization

Air North Charters (10% x \$14,230)	1,423.00
Northern Mtn. Helicopters (10% x 47,035.66)	4,703.57

Aircraft Support

ALC Airlift Corp.	3,422.25
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Vehicle Rentals

D-4 Cat, 6 days @ \$600	3,600.00
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Equipment/Supplies

10% x \$9,716.91	971.69
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Instrument Rentals

Rock Saw	6 days @ \$50	300.00
Theodolite	1 day @ \$50	50.00

Laboratory Analysis

CDN Resource Labs	3,741.42
CDN Resource Labs	1,208.00

Contract Work

Surveying: Kevin Coswan 1 day	200.00
Drilling: J.T. Thomas D. Drilling	
DDH A85-30, 31, 32, 33, 35: 1127' x \$31.00/ft.	34,937.00
Bits: 1127' x \$3.00/ft.	3,381.00

Drafting & Reproduction of Plans/Sections:

1,350.00

TOTAL**\$64,258.93**

Al 4, 6, Hyuk 2, 3 and Nii Claims

Statement of Expenditures

Bloss, Patti, Steve's, Ring, Eric and Pond Zones

August 13 - September 19, 1985

Field Personnel

	<u>Man Days</u>	<u>Rate</u>	<u>Total</u>
Eric Birkeland	2.0	\$175	\$ 350.00
Ian Campbell	1.0	100	100.00
William A. Howell	12.0	175	2,100.00
Frank B. Gigliotti	1.5	125	187.50
George W.G. Sivertz	20.0	175	3,750.00

Food and Accomodation

44.5 man days @ \$50			2,225.00
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Mobilization/Demobilization

Air North Charter (10% x \$14,230)			1,423.00
Northern Mtn. Helicopters (10% x \$47,035.66)			4,703.57

Aircraft Support

ALC Airlift Corp.			2,317.50
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Vehicles Rentals

Cat	4 days (32 hr. @ \$75)		2,400.00
Backhoe	4 days (32 hr. @ \$100)		3,200.00

Equipment/Supplies

(10% x \$9,716.91)			971.69
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Instrument Rentals

Theodolite/Transit	2 days @ \$50		100.00
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Laboratory Analysis

CDN Labs			3,118.07
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Contract Work

Surveying - K. Coswan	2 days @ \$200		400.00
Backhoe - S. Jaycox	4 days @ \$250		1,000.00
Cat - J. Perreault	4 days @ \$200		800.00

Report Preparation

G. Sivertz	10 days @ \$175		1,750.00
Drafting, materials, reproduction			1,500.00

TOTAL

\$32,396.33

Appendix 2

Analytical Results - Surface Samples

ENERGEX MINERALS LTD.
 TOODOGG PROPERTY
 DRILL / SAMPLE RESULTS

2

AREA AL PROPERTY
GEROME CLAIM

DRILL HOLE NO. WAH SAMPLES

Sample No.	Interval (m)	Length (m)	Au		Ag		Cu		Pb		Zn		Comments / Repeats
			ppb	g/te	ppm	g/te	ppm	%	ppm	%	ppm	%	
856222	Rocks		5		5.0								GEROME
223	"		660		7100	164							"
224	"		5		1.7								"
225	"		5		1.3								"
226	"		220		0.5								"
227	SOIL		5		0.1								"
229	SOIL		5		0.3								"
230	Rocks		10		1.7								"
231	Rocks		5		1.4								"
232	SOIL		5		0.2								"
233	"		10		0.1								"
234	"		5		0.2								"
235	"		5		0.2								"
236	"		5		0.1								"
237	"		5		0.1								"
238	"		5		0.2								"
239	"		5		0.1								"

228 SOIL

5 / 0.1

ENERGEX MINERALS LTD.

TOODOGGONE PROPERTY

TRENCH RESULTS

AREA: Ring Zone -
Trenches

TRENCH NO.'S 1-4

Sample No.	Interval (m)	Length (m)	^{ppb} Au (gms)	Repeat (gms)	Avg (gms)	Meters X Grams	Calculations/ Comments
85 B-278	gnab		55				Trench 1
B-279	"		15				"
B-280	"		10				"
B-281	"		5				"
B-282	"		5				"
B-283	"		5				"
B-284	"		10				"
B-285	"		30				"
B-286	"		15				"
B-287	"		30				"
B-288	"		5				"
B-289	"		20				Trench 2
B-290	"		30				"
B-291	"		10				"
B-292	"		35				"
B-293	"		50				"
B-294	"		125				"
B-295	"		70				"
B-296	"		1000				Trench 4
B-297	"		20				"
B-298	"		55				"
B-299	"		370				Trench 3

ENERGEX MINERALS LTD.

TOODOGGONE PROPERTY

TRENCH RESULTS

AREA: Ring Zone -
Trenches

TRENCH NO. Trenches 3, 5, 8,
10, 11, 12, 13

Sample No.	Interval (m)	Length (m)	Ppb Au (gms)	Repeat (gms)	Avg (gms)	Meters X Grams	Calculations/ Comments
85 B-300	grab		15				Trench 3
B-301	"		5				Trench 5
B-302	"		10				"
B-303	"		55				Trench 3
B-304	"		5				Trench 8
B-305	"		20				Trench 8
B-306	"		10				"
B-307	"		80				Trench 11
B-308	"		25				Trench 11
B-309	"		20				Trench 10
B-310	"		60				Trench 12
B-311	"		40				"
B-312	"		65				"
B-313	"		80				"
B-314	"		10				"
B-315	"		90				"
B-316	"		55				"
B-318	"		10				Trench 13
B-319	"		80				"
B-320	"		70				"
B-321	1		190				"

ENERGEX MINERALS LTD.
TOODOGGONE PROPERTY
DRILL / SAMPLE RESULTS

AREA AL Property Ring Zone

~~DRILL HOLE NO.~~

Sivertz Aug 17-19

Sample No.	Interval (m)	Length (m)	Pb %	Zn %	Cu %	ppb		Comments / Repeats
						Au g/tonne	Ag g/tonne	
G-85	grab	subcrop				20	0.10	~29420N/18350E 700m NNE Ring Zone
G-86	grab	subcrop				5	0.10	29400N/18386E 700m NNE Ring Zone
G-87	grab	outcrop				10	0.10	29350N/18394E 650m NNE Ring Z.
G-88	grab	subcrop				45	0.10	29170N/18409E 470m NNE Ring Z
G-89	1.5m chip	A5A ole				30	0.20	28672N 18327E Chr. Ring Zone
G-90	1.0m chip	A2/A5+ hem. ole				25	0.20	28600N 18200E Ring Zone west
G-91	grab	A2/A5 +ba				5	3.0	28550N/18275E Ring Zone west
G-92	grab	A2+he breccia				45	0.10	28590N/18254E Ring Zone west
G-93	grab	A5+ba li, he.				30	2.10	28625N/18265E Ring zone w.
G-94	grab	A6+ry				65	11.0	28624N/18240E Ring Z. west
G-95	grab	A5-A6 +li.				5	1.40	28625N 18229E Ring Zone w.
G-96	grab	A5-A6 +ba, li.				10	0.30	28626N/18276E Ring z. w.
G-97	grab	A2-A5 +he				25	0.10	28617N/18220E Ring z. west
G-98	grab	A2+he subcrop				10	0.20	28606N/18225E Ring z. west.
G-99	grab	A2-A6 subcrop				15	0.10	28609N/18214E R.Z. west
G-100	grab	A6-A2				20	0.10	28592N/18230E R.Z. west

ENERGEX MINERALS LTD.
TOODOGGC PROPERTY
DRILL / SAMPLE RESULTS

AREA AL PROPERTY

DRILL HOLE NO. _____

Sample No.	Interval (m)	Length (m)	Au		Ag		Cu		Pb		Zn		Comments / Repeats
			ppb	g/te	ppm	g/te	ppm	%	ppm	%	ppm	%	
G101	CHP OUTCROP	0.7 m	5		0.1								28514N/18202E RING ZONE W AB
G102	"	2.3 m	5		0.1								28514N/18200E RING ZONE W ASa
G103	"	1.3 m	10		0.2								28520N/18206E RING ZONE W AB
G104	GRAB OUTCROP/SUBCROP	GRAB	10		0.2								28470N/18207E RING ZONE W. AB WEAK
G105	STRONG LI + HE	GRAB	20		0.9								28747N/18392E ASA OUTCROP
G106	SUBCROP	GRAB	30		0.4								28727N/18430E ASA OUTCROP (RING)
G107	SUBCROP	70cm	60		0.6								28720N/18430E RING ZONE ASa
G108	SUBCROP	GRAB	310		0.7								28736N/18485E RING ZONE ASa
G109	SUBCROP	1.35m	370		0.5								18509E/28673N RING ZONE CENTER
G111	RING ZONE	GRAB	10		0.1								28580N/18538E RING ZONE AS/AZ
G112	RING ZONE CENTRE	1.0m	80		1.2								28665N/18520E ASa
G113	"	0.7m	120		0.7								28662N/18522E ASa
G114	"	1.0m	40		0.4								28687N/18535E ASa
G115	"	GRAB	40		0.6								28705N/18500E ASa
G116	"	1.0m	20		0.1								28755N/18500E ASa + Li
G110	SILT		<10		0.1		18		8		102		700 m SW RING ZONE

**ENERGEX MINERALS LTD.
TOODOGGONE PROPERTY
DRILL / SAMPLE RESULTS**

AREA Al Camp - Steve's and Patti
Zones - 2.5 km SE of camp

DRI-HOLE NO. Patti Zone is a new
large zone lying 1 km west of
Steve's Zone.

Sample No.	Interval (m)	Length (m)	Au		Ag		Cu		Pb		Zn		Comments / Repeats
			ppb	g/te	ppm	g/te	ppm	%	ppm	%	ppm	%	
85- G-133		grab	50		0.1		8		38		22		Genome claim - S edge - central.
G-134		grab	30		0.9		12		12		72		as above, 200m to east,
G-135		grab	410										Patti Zone (west) ASA + py
G-136		grab	540										Patti Zone ASA
G-137		grab	3150	2.9									" "
G-138		grab	1000	1.2									" "
G-139		grab	4800	5.05									Patti Zone vein - barite vein
G-140		grab	710.000	58.50									" "
G-141		grab	310										Patti Zone Barite vein footwall
G-142		grab	320										Steve's Zone S.
G-142		grab											" " "
G-143		"	270										Patti Zone ASA + barite
G-144	15cm	"	3600	3.25									Patti Zone 15cm barite vein
G-145		"	370										Patti Zone ASA + barite
G-146		"	1620	1.80									A7A / ASA Patti 10% pyrite 2.
G-147		"	330										ASA + barite Patti 2.
G-148		"	60										A2 / A3 porphyry Patti zone

ENERGEX MINERALS LTD.
TOODOGGONE PROPERTY
TRENCH RESULTS

AREA: "P" zone, east
of Thesis 1 area

TRENCH NO. 's P-5, 6, 8, 9.

Sample No.	Interval (m)	Length (m)	ppb Au (gms)	Repeat (gms)	Avg (gms)	Meters X Grams	Calculations/ Comments
85 G-188	grab		10				Trench P-9
G-189	"		10				"
G-190	"		20				"
G-191	"		5				"
G-192	"		5				"
G-193	"		5				"
G-194	"		10				"
G-195	"		5				"
G-196	"		5				"
G-197	"		240				Trench P-8
G-198	"		190				"
G-199	"		260				"
G-200	"		55				"
G-201	"		25				Trench P-6
G-202	"		5				"
G-203	"		35				"
G-204	"		50				Trench P-5
G-205	"		5				"
G-206	"		20				"
G-207	"		5				"
G-208	"		5				"PSA
G-209	"		5				"PSA

Appendix 3

Diamond Drill Logs and Core Assays

Apendix 4
Analytical Procedures

CDN RESOURCE LABORATORIES LTD.

#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

ASSAY PROCEDURES

Sample preparation

Rocks: sample is crushed, riffled to give approximately 250g, ring pulverized to approximately -100 mesh.

Soils: sample is dried then sieved through -80 mesh screen.

Analytical procedures

Assay:

Au, Ag - fire assay, gravimetric finish on 20g sample.

Cu, Pb, Zn - a 1.00g sample is digested in 10 ml nitric acid and 25 ml hydrochloric acid for about one hour and then taken to dryness. It is taken up in 25 ml hydrochloric acid, bulked to 100 ml with distilled water, then presented to the AA.

Geochem:

Au - a 15g sample is inquarted and fire assayed. The prill is parted in a test tube with 0.5 ml nitric acid. The gold is taken into solution with the addition of 1.5 ml hydrochloric acid. Sample is bulked to 5.0 ml with distilled water, then presented to AA.

Ag, Cu, Pb, Zn - a 0.5g sample is ashed then transferred to a test tube. Sample is digested with 1.0 ml nitric acid and 2.0 ml hydrochloric acid in a hot water bath for two hours. Sample is bulked to 10.0 ml with distilled water and presented to AA.

Appendix 5

Analysis and Assay Certificates

DRILL LOG

PROJECT TOODOGGONE - AL (THESIS III)	GROUND ELEV. 1650.43
HOLE NO. A-85-01	BEARING from F5485 214°30' 213.5°
LOCATION	DIP - 45°
LOGGED BY L. K. ECCLES	TOTAL LENGTH 136' 41.46 m
DATE June 27 /85	HORIZONTAL PROJECT
CONTRACTOR J. T. THOMAS DIAMOND DRILLING	VERTICAL PROJECT
CORE SIZE HQ	ALTERATION SCALE 0 1 2 3 absent slight moderate intense
DATE STARTED JUNE 26/85	TOTAL SULPHIDE SCALE 0 1 2 3 4 traces only < 1% 1% - 3% 3% - 10% > 10%
DATE COMPLETED JUNE 27/85	DIP TESTS No Test
COMMENTS ATTEMPT TO DUPLICATE KIDD CREEK'S CH-94-10, BUT TO INCREASE CORE RECOVERY. HAD POOR SUCCESS INCREASING RECOVERY IN EARLY PART OF HOLE BUT DUE TO LARGER DIAMETER OF CORE HAD A LARGE AMOUNT FOR ASSAY * Host Rock - ALTERED DAKITE FLOW - FELDSPARS, HORNBLENDES COMPLETELY REPLACED BY SICA s/or CLAYS	LEGEND - A2 - CLAY ALTERATION PERVASIVE - REMNANT FELDSPARS COMPLETELY ALTERED - LIGHT COLOURED ROCK - A7 - TOTALLY SILICIFIED WITH DISS. PY - usually has a "pumice-like" texture - Barite a common constituent as bladed crystals and massive in veins & Breccia matrix. * A2/A7 - Dominant clay alteration but also silicified - A5 - Silicification - no py

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			A
		FROM	TO	WIDTH		Au g/t			
		4.87	6.09	1.22	15101	1.30		1.27	A = 1.29
		6.09	7.31	1.22	15102	1.30		1.20	A = 1.25
	2% Py	7.31	8.53	1.22	15103	1.40		1.40	A = 1.40
	Py	8.53	9.75	1.22	15104	1.90		2.00	A = 1.95
		9.75	10.86	0.61	15105	2.60		2.07	A = 2.39
		10.86	10.97	0.61	15106	9.60		9.00	A = 9.30
		10.97	11.88	0.61	15107	4.50		1.40	A = 2.95
		11.88	12.19	0.61	15108	1.00		0.87	A = 0.94
		12.19	13.12	1.53	15109	7.40		7.20	A = 7.38
	0% Py								
	0% Py								
Tetradedite / Tennantite w/ Py (2) found in earthy masses within Cavities of BA Crystals	10% Py	13.72	15.24	1.52	15110	8.50		12.0	19.0 A = 12.93
		15.24	16.00	0.76	15111	1.20		1.33	A = 1.27
		16.00	16.77	0.77	15112	2.30		2.0	A = 2.15
		16.77	17.07	0.30	15113	8.780		64.68	A = 76.29
		17.07	17.57	0.50	15114	49.0		69.22	A = 57.47
		17.57	18.07	0.50	15115	80.90		75.12	A = 77.56
	4% Py	18.07	18.57	0.50	15116	79.60		70.18	A = 72.39
	1% Py	18.57	19.07	0.50	15117	77.90		70.18	A = 42.13
		19.07	19.57	0.50	15118	768.70		652.07	A = 710.39
		19.57	20.07	0.50	15119	9.10		10.01	A = 9.56
		20.07	20.57	0.50	15120	18.90		9.99	A = 14.44
		20.57	21.07	0.50	15121	9.20		6.72	A = 8.44
		21.07	21.57	0.50	15122	5.60		6.72	A = 6.16
		21.57	22.07	0.50	15123	1.90			
		22.07	22.57	0.50	15124	2.50			

11.9m @

Trace Visible Au in Quite veins

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM (m)	TO (m)	WIDTH (m)		g/t			
		22.57	23.07	.50	15125	0.80			
		23.07	23.57	.50	15126	0.70			
Barite Breccia >		23.57	24.07	.50	15127	2.20	} 6-7 m 2.64 g/t		
		24.07	24.57	.50	15128	3.60			
cream coloured Barite Breccia →		24.57	25.07	.50	15129	2.70			
		25.07	26.07	1.0	15130	2.00			
		26.07	27.07	1.0	15131	4.00			A = 2.4 g/t
		27.07	28.07	1.0	15132	0.20			
		28.07	28.57	.50	15133	0.50			
		28.57	29.07	.50	15134	0.20			
	1% Pt	29.07	29.57	.50	15135	0.10			
		29.57	30.07	.50	15136	0.10			
		30.07	30.57	.50	15137	0.60			
		30.57	31.07	.50	15138	0.40			
		31.07	32.07	1.0	15139	0.20			
		32.07	33.07	1.0	15140	0.40			
		33.07	34.07	1.0	15141	0.40			
		34.07	35.07	1.0	15142	0.30			
		35.07	36.07	1.0	15143	0.50			
		36.07	37.07	1.0	15144	0.40			
		37.07	37.57	.50	15145	0.20			
		37.57	38.57	1.0	15146	0.50			
Sludge sample from rock saw					15147	22.0			

4.87 m to 27.57 m = 22.2 m
27.76 g/t

DRILL LOG

PROJECT TOODONGONE - AL (THESIS III)	GROUND ELEV. 1650.39
HOLE NO. A-85-02	BEARING 213.5° from surveyed FS 2 85 214°30'
LOCATION	DIP -65°
	TOTAL LENGTH 70.73 m (232')
LOGGED BY L. ECCLES	HORIZONTAL PROJECT
DATE June 29/85	VERTICAL PROJECT
CONTRACTOR J.T. THOMAS DIAMOND DRILLING	<p>ALTERATION SCALE</p> <p>absent slight moderate intense</p>
CORE SIZE HQ	
DATE STARTED JUNE 27/85	<p>TOTAL SULPHIDE SCALE</p> <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DATE COMPLETED JUNE 28/85	
DIP TESTS 70.73m —	
<p>COMMENTS</p> <p>DRILLED TO TEST ZONE AT DEPTH - TO GET SOME IDEA OF DIP & ALTERATION CONFIGURATION</p> <p>* NOTE THIS HOLE HAS ABUNDANT Cu minerals from about 18m and down</p> <p>* HOST ROCK - ALTERED DACITIC FLOW - FELDSPAR & HORNBLENDE PHENOCRYSTS ARE COMPLETELY REPLACED IN MOST INTENSE ALTERATION AREAS.</p>	<p>LEGEND</p> <p>-A₂ - PERVASIVE CLAY ALT -A₅ - PERVASIVE SILICIFICATION -A₇ - PERVASIVE SILICIFICATION WITH PY</p>

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	%A
					A	B	C	D	E			
2.05 - 3.35				Casing A ₇ - highly fractured and brecciated - minor A ₂ - rusty along fracture planes - intensely altered leaving remnant feldspar & hornblende phenos + vugs - porosity 5-10%	3					3		10%
4.88												
6.40 - 6.70				Very rubble section						3		
8.23												
9.65				Lower Mucky clay End of surface oxidation gouge	3					3		2%
11.28				A ₂ - pervasive clay alt. Remnant feldspar distinguishable - DO PY A _{2a} - pervasive clay w/ PY - low porosity	3					3		0
12.80				A _{7b} - highly silicified with abundant py + Cu sulfides - minor B ₀ veinlets - porosity 5% (lower down deeper)	3							2%
14.33				A _{7b} - A _{2b} - Dominant fractures at 70° to core - B ₀ crystals in open spaces						2		10%
15.85												
17.30				A _{7a} ABUNDANCE OF SULFIDE INCREASES dramatically						2		
18.90				- porosity up to 10% - minor B ₀								TR
20.42												
21.95				Clay gouge A ₂ - 3' thick alt. front 30° to core axis - distinct markaton between both alterations - low porosity						3		0

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH		As			
	1.7%	3.20	3.70	.50	15148	2.40		2.0	A=2.20
		3.7	4.12	.42	15149	3.00		2.2	2.6 = A=3.5
		4.12	4.62	.50	15150	2.70		4.0	A=3.35
		4.62	5.12	.50	15151	2.00		1.73	A=1.87
		5.12	5.62	.50	15152	1.50		1.5	A=1.5
		5.62	6.2	.50	15153	1.50		0.74	A=1.45
		6.12	6.62	.50	15154	0.90		1.0	A=0.95
		6.62	7.12	.50	15155	1.10		1.07	A=1.09
		7.12	7.62	.50	15156	1.90		1.87	A=1.89
		7.62	8.12	.50	15157	1.80		1.73	A=1.77
		8.12	8.62	.50	15158	2.05		2.07	A=2.06
		8.62	9.12	.50	15159	2.90		3.13	A=3.02
CONTACT TRENCH		9.12	9.75	.63	15160	1.70		1.13	A=1.42
Clays have altered all minls leaving white, bleached rock		9.75	10.75	1.00	15161	0.90		1.0	A=0.95
Bleached rock except for diss. Py	0%	10.75	11.75	1.00	15162	0.20		0.47	A=0.34
		11.75	12.18	0.43	15163	0.30		0.60	A=0.45
		12.18	12.68	0.50	15164	2.30		2.6	A=2.45
Chalcopyrite, pyrite & other Cu sulfides in fine grained diss. along fractures & in weathered out feldspar veins	10% Py	12.68	13.18	0.50	15165	9.00		9.93	A=9.47
		13.18	13.68	1.00	15166	4.60		26.63	A=8.11
		13.68	14.18						
		14.18	14.68	0.50	15167	9.80		9.33	A=9.57
CPy + Py + SiO2 + clay - some feldspar weathered to a pinkish color	5%	14.68	15.18	0.50	15168	0.70		1.47	A=1.09
		15.18	15.68	0.50	15169	4.50		4.2	A=4.35
		15.68	16.18	0.50	15170	13.40		17.73	A=17.4
		16.18	16.68	0.50	15171	0.80		1.27	A=1.04
		16.68	17.18	0.50	15172	1.60		2.0	A=1.80
	5%	17.18	17.68	0.50	15173	0.40		1.13	A=0.77
	20%	17.68	18.18	0.50	15174	1.60		1.53	A=1.57
Some bornite observed along with Py		18.18	18.68	0.50	15175	0.95		1.07	A=1.01
		18.68	19.18	0.50	15176	1.35		1.53	A=1.44
		19.18	19.68	0.50	15177	1.20		1.60	A=1.40
		19.68	20.18	0.50	15178	3.35		4.20	A=3.78
		20.18	20.68	0.50	15179	1.60		2.07	A=1.94
	10%	20.68	21.18	0.50	15180	0.95		1.27	A=1.11
		21.18	21.68	0.50	15181	1.05		1.20	A=1.13
	5%	21.68	22.18	0.50	15182	1.20		1.40	A=1.30
		22.18	22.68	0.50	15183	0.55		0.6	
mostly py as sulfide constituent		22.68	23.18	0.50	15184	0.95		0.58	

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% BARITE
					A	B	C	D	E			
23.27				CLAY GRAUGE A2								
24.00	85			A7/A2 - Mostly siliceous but some voids filled with clay & feldspar A2/A7 - Clay alteration dominant - low porosity - clots along fracture opening	3					3		
26.22	90				3							
29.57	70			A7 - porosity 10-15% - minor barite in cavities						3		19
31.09	85				3							24
32.62	50			very crumbly								
34.14	60			very crumbly Ba content increases - CSC crystals in veins & open spaces CSC bladed Ba Rock becomes brecciated or shattered								50%
35.67	55											
36.28	65											
37.19	65											
38.7	70			very crumbly	3							
40.24	70			5% in pores barite box								30%
40.85	60											
42.37	30											
43.24	70			A2 - very micaceous	3							
44.20	90											
45.76												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH		AU g/t	Recovery	Ag	
	5%	23.18	23.68	.50	15185	0.95	.67		
	5%	23.68	24.18	.50	15186	0.80	.60		
	3%	24.18	24.68	.50	15187	0.55	.40		
	3%	24.68	25.18	.50	15188	0.65	.53		
		25.18	25.68	.50	15189	0.55	.47		
		25.68	26.18	.50	15190	0.40	.33		
		26.18	26.68	.50	15191	0.40	.40		
		26.68	27.18	.50	15192	0.40	.27		
		27.18	27.68	.50	15193	4.05	.27		
		27.68	28.18	.50	15194	0.10	.20		
		28.18	28.68	.50	15195	0.25	.47		
		28.68	29.18	.50	15196	0.65	.73		
Very fractured - poor recovery		29.18	29.68	.50	15197	2.40	1.73	2.07	
- Py dominant sulfide - some barite observed	5%	29.68	31.09	1.41	15198	41.74	41.74	42.505	
	5%	31.09	31.59	.50	15199	0.40	0.4	0.40	
		31.59	32.09	.50	15200	0.80	0.6	0.7	
		32.09	32.59	.50	15201	2.95	0.73	1.84	
		32.59	33.09	.50	15202	0.80	0.73	0.77	
Poor recovery		33.09	34.14	1.05	15203	0.80	0.73	0.77	
		34.14	34.64	.50	15204	1.05			
	1/6	34.64	35.67	1.03	15205	1.75	1.53	1.64	
		35.67	36.28	.61	15206	0.65	.93		
		36.28	36.78	.50	15207	0.65	.47		
	2%	36.78	37.28	.50	15208	0.55	.67		
	1%	37.28	37.78	.50	15209	0.55	.40		
Poor recovery		37.78	38.72	.94	15210	0.55	.33		
		38.72	39.22	.50	15211	0.55	.33		
		39.22	39.72	.50	15212	0.40	.33		
		39.72	40.22	.50	15213	0.40		194.26 ?	
		40.22	40.72	.50	15214	2.65	32.2	2.425	
		40.72	41.22	.50	15215	0.25			
Poor recovery		41.22	42.37	1.15	15216	0.25			
" "		42.37	43.29	.92	15217	0.95			
		43.29	44.20	.91	15218	0.25			
	1 1/2	44.20	45.20	1.0	15219	0.15			
	1%	45.20	46.20	1.0	15220	0.15			
		46.20	47.20	1.0	15221	0.15			
		47.20	48.20	1.0	15222	0.25			
		48.20	49.20	1.0	15223	<0.05			
		49.20	50.20	1.0	15224	<0.05			
	2%	50.20	51.20	1.0	15225	0.40			
		51.20	52.20	1.0	15226	0.20			
		52.20	53.20	1.0	15227	0.26			

plus con 12%
36.46
35.33
38.73
39.68
Avg = 38.73
6.49
9.67

8.85 chemex 2nd ?



CHEMEX 2nd

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% BARITE
					A	B	C	D	E			
85				Bleached Az	3							
47.25												
90												
48.78												
95												
50.30												
100				Fracture - - - - - Az/A7								
51.83				Fracture // to core - gouge - shattered								
100				A7 - Rock is very shattered - porosity to 5%						2		
53.35												
95												
54.88				gouged + crumbly core						3		
95												
56.90												
90												
57.92				* changed bit - sand larger than - Barite stringers at 20° to core - cse blades crystals								20%
95												
58.84				- Porosity 2% - Shattered, Brecciated texture								
95												
60.36												
100												
61.89				SHATTERED, REBBY								
95				Az/A7 - porosity low						2	0	
63.41												
90												
64.33												
98				Serinite starting to appear						1	0	
65.85												
100												
67.38												
100												
68.40				Az - distinct bleached feld spars						1		

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH					
	<i>2 1/2%</i>								
	<i>1/2%</i>								
	<i>3 1/2%</i>								
		<i>53.20</i>	<i>54.20</i>	<i>1.0</i>	<i>15228</i>	<i>0.25</i>			
		<i>54.20</i>	<i>55.20</i>	<i>1.0</i>	<i>15229</i>	<i>0.40</i>			
		<i>55.20</i>	<i>56.20</i>	<i>1.0</i>	<i>15230</i>	<i>0.55</i>			
		<i>56.20</i>	<i>57.20</i>	<i>1.0</i>	<i>15231</i>	<i>0.55</i>			
		<i>57.20</i>	<i>58.20</i>	<i>1.0</i>	<i>15232</i>	<i>1.05</i>			
	<i>2 1/2%</i>	<i>58.20</i>	<i>59.20</i>	<i>1.0</i>	<i>15233</i>	<i>0.80</i>			
		<i>59.20</i>	<i>60.20</i>	<i>1.0</i>	<i>15234</i>	<i>0.65</i>			
		<i>60.20</i>	<i>61.20</i>	<i>1.0</i>	<i>15235</i>	<i>0.60</i>			
		<i>61.20</i>	<i>62.20</i>	<i>1.0</i>	<i>15236</i>	<i>0.15</i>			
	<i>2 1/2%</i>	<i>62.20</i>	<i>63.20</i>	<i>1.0</i>	<i>15237</i>	<i>1.65</i>			
		<i>63.20</i>	<i>64.20</i>	<i>1.0</i>	<i>15238</i>	<i>0.65</i>			
		<i>64.20</i>	<i>65.20</i>	<i>1.0</i>	<i>15239</i>	<i>1.05</i>			
<i>May be some sphalerite</i>	<i>3 1/2%</i>	<i>65.20</i>	<i>66.20</i>	<i>1.0</i>	<i>15240</i>	<i>0.80</i>			
		<i>66.20</i>	<i>67.20</i>	<i>1.0</i>	<i>15241</i>	<i>0.95</i>			
	<i>2 1/2%</i>	<i>67.20</i>	<i>68.20</i>	<i>1.0</i>	<i>15242</i>	<i>0.40</i>			
	<i>1 1/2%</i>								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH					
		69.20	69.20	1.0	15243	0.25			
		69.20	70.73	1.53	15244	0.10			

DRILL LOG

PROJECT AL-THESIS III	GROUND ELEV. 1654.08m
HOLE NO. A-85-7	BEARING 185° ^{Surveyed:} 188°30'
LOCATION	DIP -45°
	TOTAL LENGTH 37.5m 123'
LOGGED BY L Eccles	HORIZONTAL PROJECT
DATE JULY 4/85	VERTICAL PROJECT
CONTRACTOR J.T. THOMAS DIAMOND DRILLING	<p style="text-align: center;">ALTERATION SCALE</p>  <p>absent slight moderate intense</p>
CORE SIZE HQ	
DATE STARTED JULY 3/85	
DATE COMPLETED JULY 4/85	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DIP TESTS No	
COMMENTS	LEGEND

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		1st g/t	2nd	A
Broken		3.05	3.80	0.75	13523	2.80	1.13	1.97
		5.80	4.57	0.77	13524	2.00	1.93	1.97
		4.57	5.11	0.92	13525	1.35	1.60	1.48
		5.11	6.10	0.61	13526	0.95	1.27	1.11
Columbite		6.10	6.60	0.50	13527	1.35	1.73	1.54
		6.60	7.10	0.50	13528	0.55	0.60	0.58
		7.10	7.60	0.50	13529	0.65	0.93	0.78
		7.60	8.10	0.50	13530	1.60	1.47	1.54
		8.10	8.60	0.50	13531	0.90	0.47	0.44
		8.60	9.14	0.54	13532	1.05	0.93	0.99
Broken		9.14	10.36	1.22	13533	4.05	4.40	2.20
Broken		10.36	11.89	1.53	13534	0.15	0.33	0.24
Broken		11.89	13.11	1.22	13535	2.25	2.40	2.33
Broken		13.11	14.11	1.0	13536	3.75	3.33	3.34
		14.11	15.11	1.0	13537	0.55	0.60	0.58
		15.11	16.16	1.05	13538	0.95	1.00	0.98
		16.16	16.66	0.50	13539	0.80	1.80	1.30
		16.66	17.16	0.50	13540	1.60	2.27	1.94
		17.16	17.66	0.50	13541	0.65	1.13	0.82
		17.66	18.16	0.50	13542	3.75	5.40	3.58
		18.16	18.66	0.50	13543	2.75	3.07	2.91
		18.66	19.16	0.50	13544	6.20	5.0	5.60
		19.16	19.66	0.50	13545	5.45	5.40	5.43
fine grained py coating fracture surface		19.66	20.16	0.50	13546	2.55	3.00	2.78
		20.16	20.66	0.50	13547	7.35	7.86	7.61
		20.66	21.16	0.50	13548	2.85	1.93	2.09
		21.16	21.66	0.50	13549	3.75	3.53	3.64
		21.66	22.16	0.50	13550	3.05	6.53	4.79
Broken		22.16	23.17	1.01	13552	3.45	5.20	4.33


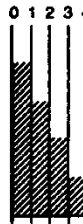
14.61 m
1.21 g/t

Dummy sample

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		AV g/t	2nd	A
<i>Gravelly</i>		23.17	25.30	2.13	13553	4.0	3.53	3.77
<i>py content increases dramatically</i>	<i>up to 10% py</i>	25.30	26.30	1.0	13554	0.95	0.67	2.0
		26.30	27.30	1.0	13555	1.15	1.20	1.33
					13556	<i>Across</i>	<i>Dummy</i>	<i>Sample</i>
							<i>Golden Furlong</i>	
<i>END OF PY-RICH ZONE</i>								
	<i>40% py</i>							

3.05 m - 27.30 m
24.25 m @ 2.09 g/t

DRILL LOG

PROJECT AL - THESIS I	GROUND ELEV. 1654.07 m
HOLE NO. A-85-08	BEARING 185° Surveyed 188°30' (circled)
LOCATION	DIP -85°
	TOTAL LENGTH 34.4 m (112')
LOGGED BY L Eccles	HORIZONTAL PROJECT
DATE JULY 4 /85	VERTICAL PROJECT
CONTRACTOR S.T. THOMAS DIAMOND DRILLING	<p>ALTERATION SCALE</p>  <p>0 1 2 3</p> <p>absent slight moderate intense</p>
CORE SIZE HQ	<p>TOTAL SULPHIDE SCALE</p>  <p>0 1 2 3 4</p> <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DATE STARTED JULY 4 /85	
DATE COMPLETED JULY 9 /85	
DIP TESTS	
COMMENTS	LEGEND

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH		AW g/t		A	
		2.13	3.13	1.0	13557	2.15	1.33	1.74	
		3.13	4.13	1.0	13558	0.80	0.4	0.6	4.58m
		4.13	5.13	1.0	13559	1.20	0.27	0.74	1.11g/t
		5.13	5.92	0.79	13560	0.25	0.03	0.15	
		5.92	6.71	0.79	13561	0.95	0.53	0.64	
		6.71	7.61	0.90	13562	11.75	8.87	7.93	
		7.61	8.61	1.0	13563	1.05	1.00	1.03	
		8.61	9.61	1.0	13564	1.85	2.00	1.93	
		9.61	10.61	1.0	13565	1.75	1.53	1.64	21.01m
		10.61	11.61	1.0	13566	1.85	1.87	1.86	2.11g/t
		11.61	12.61	1.0	13567	2.40	2.13	2.27	
		12.61	13.61	1.0	13568	3.85	3.87	3.86	15.53m
		13.61	14.61	1.0	13569	2.00	1.93	1.97	1.84g
		14.61	15.46	0.85	13570	1.35	0.8	1.08	
		15.46	16.31	0.85	13571	1.05	0.97	0.96	
		16.31	17.31	1.0	13572	1.35	1.20	1.28	
		17.31	18.22	0.91	13573	4.65	4.13	4.39	
		18.22	19.14	0.92	13574	1.75	1.27	1.51	
		19.14	20.14	1.0	13575	1.87	1.60	1.74	
		20.14	21.14	1.0	13576	0.95		0.95	
		21.14	22.14	1.0	13577	0.95		0.95	
		22.14	23.14	1.0	13578	0.80		0.80	

Py content increased ↓

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		AV Gt		
	0.7%	23.14	24.14	1.0	13579	0.55		
		24.14	25.14	1.0	13580	0.55		
Small bbbs of cpy showing up →	0.7%	25.14	26.14	1.0	13581	0.40		
	1.0%	26.14	27.14	1.0	13582	0.25		
		27.14	28.14	1.0	13583	0.25		
	6.0%							

DRILL LOG

PROJECT AL THESIS TILL	GROUND ELEV. 1651.08
HOLE NO. A-85-09	BEARING 185° ^{30 s. way:} 186°30'
LOCATION	DIP -45°
LOGGED BY L. ECCLES	TOTAL LENGTH 57.62 m (189') 189'
DATE JULY 5/85	HORIZONTAL PROJECT
CONTRACTOR J.T. THOMAS DIAMOND DRILLING	VERTICAL PROJECT
CORE SIZE HQ	ALTERATION SCALE
DATE STARTED JULY 4/85	TOTAL SULPHIDE SCALE
DATE COMPLETED JULY 5/85	LEGEND
DIP TESTS	
COMMENTS THIS IS A GOOD GEOLOGY SECTION MINERALIZED SECTION IS NARROW. EXCEPT FOR ONE LOWER IN HOLE - A SURPRISE	

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				CASING							
4.27	100			Gouge A8 Dark maroon fragmental + porphyritic volcanic - andesitic to dacitic composition							
5.49	100			- frags up to 3cm across 4.80-4.9m - Fine grained version of above - Remnant Biotite phenos							
7.01	100			- Feldspar phenos altering to clays - Porphyritic angular rock frags (lighter color than groundmass)							
8.53	100		Fault Gouge A2	A2 Maroon to light grey talcose fault gouge - angles of shearing in gouge at 80° to core axis							
10.26	100			A8 Maroon fragmental to porphyritic, andesitic volcanic. Very coarse frags up to 10cm across							
11.58	100										
13.11	100			- coarsest frags towards lower fault contact - bottom contact irregular but generally at 30° to core axis - can see similar texture in upper fault gouge							
14.63	100		Soft fault gouge A2	- Finely banded dacitic tuff - Bedding at 45° to core axis - has graded texture of soft sed deformation textures (minor faults) - most textures obliterated by fault gouge but one good piece between 14.2 + 14.7. - cse blebs of diss py - at 15.7m looks like rock changes back to fragmental volc - contact 20° to core							
16.16	100										
17.60	100										
19.21	100			A7 porosity to 5% - original rock type looks like fragmental volc							
20.12	100		Fault gouge A5	- leached A7? - rock is very fine grained (tuff) from 20.12 - 20.51 - bedding at 0° to 20° to core axis							
22.75	100			A8 - green to pink, porphyritic to fragmental volcanic - frags are themselves fragmental (maroon)							

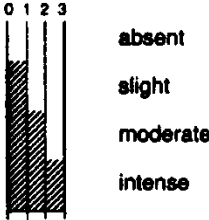
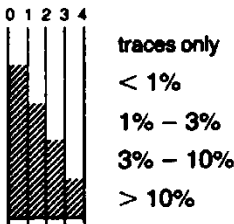
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		Avg g/t		
					13584			
		7.57	8.57	1.0	13585	40.15		Dummy Sample Golden Furlong
	1% Py							
Pyrite section of gouge.	9%							
Hematite								
	3%							
		17.68	18.68	1.0	13586	<0.05		
		18.68	19.68	1.0	13587	<0.05		
Mixed Py + cpq - finely diss. + in course blebs	15%	19.68	20.73	1.0	13588	<0.05		

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.
					A	B	C	D	E		
23.78	100			A ₃ - Green - dacitic comp.							
25.30	100			A ₃ - Manson fragmental porphyritic volcanic - fine grained in upper 20 cm of section - bedding at 60° to core axis							
26.83	100		Fault gorge	A ₃ Green to pink dacitic, fine grained to fragmental volcanic							
28.35	100			A ₂ Buff, dacitic, fragmental volc - fig groundmass							
29.88	100		Fault gorge								
31.40	100		Fault gorge								
32.92	100		Fault gorge								
34.45	90		Fault gorge	A ₇ - porosity up to 3% - quite cherty possibly upper contact of 'dike' with volcs							
35.97	95			DYKE A ₇ } Dike, fine grained grey sulfides on upper/lower contacts - pinkish colour - some rounded frags of same comp. Looks granitic / porosity 4% 372 ← lower contact of dike with volcs - very uneven small faults							
37.5	100										
39.02	100			A ₇ Rock is brecciated and cemented by silica & fine grained py + cp porosity up to 3%							
42.07	100										
45.1			Faulted gorge	A ₇ /A ₂ - low porosity							
			Fault gorge	A ₂ /A ₃ - pinkish fragmental volc Multi-coloured							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		1st R. g/t	2nd R. g.	
Eg. blebs + diss. of py + cpy	12%	33.90	34.45	0.55	13589	1.20	1.13	1.17
Large blebs of cpy + diss. med grade py	5%	35.0	36.0	1.0	13590	0.40	0.53	0.47
		36.0	37.0	1.0	13591	0.40	0.53	0.47
	12%	37.0	38.0	1.0	13592	0.80	0.93	0.87
		38.0	39.0	1.0	13593	1.20	1.13	1.17
		39.0	40.0	1.0	13594	1.75	1.87	1.81
		40.0	41.0	1.0	13595	0.95	0.93	0.94
		41.0	42.0	1.0	13596	1.75	1.53	1.64
		42.0	43.0	1.0	13597	1.05	1.13	1.09
	43.0	44.0	1.0	13598	2.25	2.47	2.36	
	10%	44.0	45.0	1.0	13599	1.75	1.67	1.71
		45.0	45.5	0.5	13600	0.15	0.07	0.11
Sulfide content decreases								

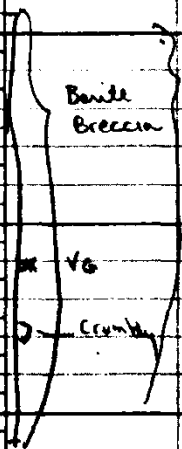
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		As gm	0.95	0.94
	2%	46.97	47.97	1.0	13601	0.95	2.63	0.94
	2%	47.97	48.61	0.63	13602	2.00	1.36	g/t
Diss Py + CPY + blebs of same	5%					2.07		2.04
	8%							
	1% Py							
	2%							
	5%	51.66	52.71	1.12	13603	0.80	0.60	0.70
	5%	52.74	53.05	0.31	13604	1.35	1.33	1.34
CPY + Py - disseminations + blebs in more solid Ag frags	5%	53.05	54.47	1.42	13605	0.65	1.20	0.93
	TR Py							

DRILL LOG

PROJECT AL-THESIS III	GROUND ELEV. 1647.03 m
HOLE NO. A 85-10	BEARING 215° ^{Survey:} 215°
LOCATION	DIP -45
	TOTAL LENGTH 49.39 m (162')
LOGGED BY L. ECCLES	HORIZONTAL PROJECT
DATE JULY 7/85	VERTICAL PROJECT
CONTRACTOR	ALTERATION SCALE 
CORE SIZE HQ	TOTAL SULPHIDE SCALE 
DATE STARTED July 6/85	LEGEND
DATE COMPLETED JULY 7/85	COMMENTS HOLE WAS ABANDONED AFTER WEARING OUT 3 BITS IN 3 FEET. CAVING WAS ENCOUNTERED AT 42.38' after a bit change
DIP TESTS	

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				CASING							
4.57	40			A7 - porosity - 10%							
5.18				crumbly							
5.79	50			- limonite on fractures						3	
	40										TR
7.01				A2 - cream → yellow → rusty							
8.23	40			Gumbo							
				fault gouge							
9.14	20									2	
10.06	50										
	90										
11.58				A2 / minor A7							
	100			- rusty + crumbly along fractures							
13.11				A2 - low porosity							
	95			Gumbo							
				fault gouge							
14.63				yellow - grey							
	100										
16.16											
	100										
17.68											
	100			Very fine grained							
19.21											
	100										
20.73				Gumbo							
	100										
22.25				A2/A7 distinctly propylitic - minor A7							
				starts here - low porosity							

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	%
					A	B	C	D	E			
23.70	100			A7/minor A2 - low porosity - clayed feldspars are distinct - no void spaces						1		
25.20	100											
26.83	95			A7 - porosity up to 10% - minor Bn - rock is cracked + brecciated						2		10%
27.74	95											
28.35	75											
29.98	95											
31.40	100			A7 - This section should carry excellent Au values - cse bladed Bn xstals.						2		10%
34.45	100											
35.97	100											
37.50	95									3		
39.02	100											
40.55	98											
42.07	100											
42.38	100											
43.50	20											
44.51	20											
45.79	50											
												3%



From here to bottom of hole - poor recovery - badly broken ground

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			A
		FROM	TO	WIDTH		Au g/t	Au ppm	Au/g	
		22.90	23.90	1.0	13610	1.55		1.27	1.31 A
		23.90	24.90	1.0	13611	1.60		1.67	1.64 A
	2%	24.90	25.90	1.0	13612	1.85		1.67	1.76 A
		25.90	26.90	1.0	13613	1.35		1.58	A = 1.44
	5%	26.90	27.40	0.5	13614	1.45	1.7	1.52	A = 1.49
		27.40	27.90	0.5	13615	1.45		1.27	A = 1.36
		27.90	28.40	0.5	13616	6.25		6.20	A = 6.23
		28.40	28.90	0.5	13617	1.05		1.33	A = 1.19
		28.90	29.40	0.5	13618	0.40		0.40	A = 0.40
		29.40	29.90	0.5	13619	2.65		0.67	A = 1.66
		29.90	30.40	0.5	13620	8.95		9.73	A = 9.54
		30.40	30.90	0.5	13621	1.20	1.5	1.97	A = 1.44
		30.90	31.40	0.5	13622	3.75		2.60	A = 3.18
	8%	31.40	31.90	0.5	13623	6.00		4.93	A = 5.47
		31.90	32.40	0.5	13624	27.75	28.15	27.95	A = 26.5
	V6 →	32.40	32.90	0.5	13625	36.80	31.08	33.90	A = 34.5
	V6 →	32.90	33.40	0.5	13626	13.85	13.37	13.61	A = 13.5
		33.40	33.90	0.5	13627	149.00	149.00	149.00	
		33.90	34.40	0.5	13628	156.00	156.00	156.00	
		34.40	34.90	0.5	13629	2.4	9.46	10.60	A = 7.49
		34.90	35.40	0.5	13630	2.80	3.73		A = 3.27
		35.40	35.90	0.5	13631	2.55	2.40		A = 2.48
		35.90	36.40	0.5	13632	3.05	2.83		A = 2.89
		36.40	36.90	0.5	13633	3.85	3.67		A = 3.76
		36.90	37.40	0.5	13634	9.05	12.26	12.33	A = 11.21
		37.40	37.90	0.5	13635	3.45	5.87	7	A = 4.55
		37.90	38.90	1.0	13636	2.65	3.80	4	A = 2.56
		38.90	39.90	1.0	13637	10.95	11.13		A = 11.04
		39.90	40.90	1.0	13638	8.95	9.53		A = 8.74
		40.90	41.90	1.0	13639	0.80	0.40		A = 0.60
	Crumbly	41.90	42.90	1.0	13640	2.55	3.0		A = 2.78
	Crumbly	42.90	43.59	0.69	13641	1.20	0.60		A = 0.90
	Crumbly	43.59	44.51	0.92	13642	7.85	7.0		A = 7.43
	"	44.51	46.39	1.88	13643	2.55	1.73		A = 2.14
		46.39	47.80	1.52	13644	4.15	4.00		A = 4.08
		47.80	48.47	0.67	13645	1.05	0.87		A = 0.96
		48.47	49.39	0.82	13646	0.65			A = 0.65

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% BD
					A	B	C	D	E			
46.34	40	Di		Be Breccia SHOULD HAVE GOOD AV values but badly broken ground + poor recovery						3		3%
47.86 48.47	70	Di										
49.39	80	Di		END OF HOLE 49.39 m - ABANDONED						3		3%

MINERALIZATION DESCRIPTION

TOTAL SULPHIDE

SAMPLES

ASSAYS

FROM

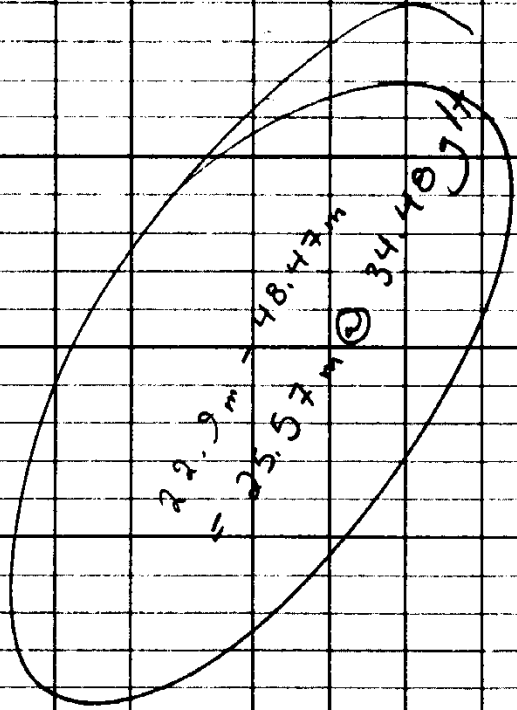
TO

WIDTH

SAMPLE NUMBER

35%

29%


Handwritten notes within a large oval:
- 22.9 m - 48.47 m
- 25.57 m
- 34.48 JH

DRILL LOG

PROJECT AL THESIS III	GROUND ELEV.
HOLE NO. A-85-30	BEARING 215°
LOCATION	DIP -45
	TOTAL LENGTH 61.89 m - 203'
LOGGED BY L. ECCLES	HORIZONTAL PROJECT
DATE JULY 21/85	VERTICAL PROJECT
CONTRACTOR J.T. THOMAS DIAMOND DRILLING	<p>ALTERATION SCALE</p> <p>absent slight moderate intense</p>
CORE SIZE HQ	
DATE STARTED JULY 20/85	<p>TOTAL SULPHIDE SCALE</p> <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DATE COMPLETED JULY 21/85	
DIP TESTS	
COMMENTS	LEGEND

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		Az	g/t	<0.05
		13.35	13.72	.37	0041	0.40		
		13.72	14.02	.30	0042	0.40		
		14.02	14.78	.76	0043	0.55		
		14.78	15.78	1.0	0044	0.40		
		15.78	16.78	1.0	0045	0.80		
		16.78	17.28	0.5	0046	0.80		
		17.28	17.78	0.5	0047	9.40	10.2	A = 9.8 A = 10.8
		17.78	18.28	0.5	0048	17.80	12.73	11.0 A = 13.94
	5% Py	18.28	18.78	0.5	0049	5.10	7.18	A = 6.14
		18.78	19.28	0.5	0050	7.25	8.2	A = 7.73
		19.28	19.78	0.5	0051	5.00	4.82	A = 4.91
		19.78	20.28	0.5	0052	6.20	5.33	A = 5.77
Diss. black granular mat.	2% Py	20.28	20.78	0.5	0053	2.60	2.6	A = 2.6
Py finely diss.	1%	20.78	21.28	0.5	0054	10.40	16.73	14.70 A = 13.94
- Py content increases with depth	VG	21.28	21.78	0.5	0055	21.80	35.73	25.8 A = 27.11
		21.78	22.28	0.5	0056	1.10	1.33	A = 1.22
	5%	22.28	22.78	0.5	0057	3.45	3.58	A = 3.48
		22.78	23.28	0.5	0058	2.00	4.87	A = 1.94
		23.28	23.78	0.5	0059	1.00	2.37	A = 0.94
		23.78	25.10	1.22	0060	2.70	2.2	A = 2.45
	10%							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Avg g/t	Re-run	Avg		
Very finely disseminated sulfides	10%									
	Py	25.0	25.91	0.91	0061	1.80		1.27	A = 1.535	
		25.91	27.44	1.53	0062	2.80		2.0	A = 2.4	
		27.4	27.74	0.30	0063	28.70	32.4	28.6	16.00	A = 25.67
		27.74	28.24	0.50	0064	5.00		4.15	4.57	A = 5.04
		28.24	28.74	0.50	0065	6.90		5.07	5.92	A = 5.92
Mostly Py but some cpq	VG →	28.74	29.24	0.50	0066	5.00		5.07	A = 5.04	
	VG →	29.24	30.00	.76	0067	163.8		190.1	158.9	A = 169.23
	5%	30.00	30.79	.79	0068	56.60	59.7			
	VA →	30.79	31.29	.5	0068	144.0		224.7	199.5	A = 191.13
	VA →	31.29	31.79	.5	0069	235.0		37.52	19.4	A = 20.81
	VG →	31.79	32.29	.5	0070	189.5		140.7	115.3	A = 148.5
		32.29	32.79	.5	0071	8.5		8.0		A = 8.35
		32.79	33.29	.5	0072	7.10		0.6	6.27	A = 6.69
		33.29	33.79	.5	0073	3.70		10.1	11.6	A = 8.15
		33.79	34.29	.5	0074	1.15		9.9	10.3	A = 1.09
	10%	34.29	34.79	.5	0075	1.80			1.20	A = 1.5
	10%	34.79	35.29	.5	0076	8.70			0.58	A = 4.6
	10%	35.29	35.79	.5	0077	20.30		6.33	6.60	A = 11.08
	Py	35.79	36.29	.5	0078	8.10		56.39	48.8	A = 37.76
		36.29	36.79	0.5	0079	3.00		3.2		A = 3.1
	36.79	37.50	0.71	0080	10.25		8.13	6.3	A = 8.23	
	37.50	38.00	0.50	0081	0.45		0.6		A = 0.53	
	38.00	38.50	0.50	0082	0.40		0.67		A = 0.54	
5%	38.50	39.02	0.52	0083	0.40		0.53		A = 0.52	
	39.02	39.52	0.50	0084	0.90		0.83		A = 0.87	
	39.52	40.02	0.50	0085	4.20		12.3	11.0	A = 9.33	
	40.02	40.52	0.50	0086	4.10			1.5	A = 2.95	
	40.52	41.02	0.50	0087	1.80			1.87	A = 1.84	
	41.02	41.52	0.50	0088	2.60			1.93	A = 2.27	
	41.52	42.02	0.50	0089	1.60			1.33	A = 1.50	
	42.02	43.02	1.00	0090	1.70			1.27	A = 1.44	
fine grained cpq + py		43.02	44.02	1.0	0091	0.60		0.20		
	10%	44.02	45.02	1.0	0092	0.70		0.47		
		45.02	46.02	1.0	0093	1.10		0.87		
		46.02	47.02	1.0	0094	0.70				
	5%									
Py + (Py) - disseminated in fractures + in blocks	10%									

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		Average		
	100%	47.02	48.02	1.0	0095	0.70		
		48.02	50.02	2.0	0096	0.70		
<i>cpq + py</i>	2%	51.02	51.02	1.0	0097	0.70		
	8%							
	1%							
<i>Finely disseminated py + cpq in blebs on fracture surfaces</i>	4%							
	10%							
	1%							
	1-2%							
	1%							



AB5-30

- 13.35 A2 - Gumbo clay zone, cream/white grading to grey @ bottom, minor rusty (oxidized) patches.
- | | | | | |
|-------|------------------------------|-----|-----------------|---------|
| 7.44 | Fr | 75° | Note: 2 main fr | 70-75° |
| 7.83 | Fr | 70° | | 50°-55° |
| 9.65 | Fr | 50° | | |
| 10.82 | AF between cream & rust clay | 50° | | |
| 11.60 | AF | 55° | | |
- 13.35 Fr qtz; ≤ 1 cm; A7/A2 & A7
- | | | | | |
|-------|---|----------|--|--|
| 10 | AF between dk grey clayband & white clay with original texture preserved | 60° | | |
| 13.21 | Contact of light grey clay & white clay | 60° | | |
| 13.35 | Lower contact of fault | 35° | | |
| 13.35 | A2/A7 Grey. Matrix silicified; Plac altered to clays; minor py; very broken | | | |
| 15.78 | Contact of A2/A7 & A7 | | | |
| 15.35 | Hairline py vein | ∥ to CIA | | |

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH		W g/t		A	
	10% Py								
		29.57	30.57	1.0	0105	1.80	0.73	1.27	
	20% Py	30.57	31.57	1.0	0106	1.30	0.93	1.12	
		31.57	32.07	0.5	0107	1.10	1.20	1.15	
	10%	32.07	32.57	0.5	0108	0.90	0.83	0.87	
		32.57	33.07	0.5	0109	0.90	0.53	0.72	
		33.07	33.57	0.5	0110	0.70	0.70	0.70	
		33.57	34.07	0.5	0111	0.10	1.13	0.62	
		34.07	34.57	0.5	0112	0.95	1.20	1.08	
		34.57	35.07	0.5	0113	1.45	1.20	1.33	
		35.07	35.57	0.5	0114	0.75	0.73	0.74	
		35.57	36.07	0.5	0115	0.90	0.90	0.90	
		36.07	36.57	0.5	0116	0.65	0.60	0.65	
		36.57	37.07	0.5	0117	0.90	0.93	0.92	
		37.07	37.57	0.5	0118	1.10	1.13	1.12	
		37.57	38.07	0.5	0119	2.40	2.40	2.40	2m
		38.07	38.57	0.5	0120	1.80	1.87	1.84	2 1.84 g/t
This rock is almost massive fine grained earthy Py.	10%	38.57	39.07	0.5	0121	1.90	2.07	2.99	
	20% Py	39.07	39.57	0.5	0122	15.2	8.73	9.4	11.11
		39.57	40.57	1.0	0123	2.10	2.13	2.12	
		40.57	41.77	1.2	0124	1.70	2.10	1.90	
		41.77	42.27	0.5	0125	1.40	1.47	1.44	
Bornite + cpq also noted in disparted blobs		42.27	42.77	0.5	0126	2.50	2.40	2.45	
		42.77	43.27	0.5	0127	2.40	2.47	2.44	
		43.27	44.27	1.0	0128	1.90	1.93	1.92	
	5%	44.27	44.77	0.5	0129	2.50	1.93	2.22	
		44.77	45.27	0.5	0130	6.30	5.87	6.09	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		AN		A
		45.27	45.77	0.5	0131	5.00		4.87 4.94
		45.77	46.27	0.5	0132	1.40		1.47 1.44
		46.27	46.77	0.5	0133	2.80		3.75 3.27
		46.77	47.27	0.5	0134	3.80		3.57 3.69
		47.27	47.77	0.5	0135	2.40		2.07 2.24
		47.77	48.27	0.5	0136	2.50		2.00 2.25
Minor sp. y	10%	48.27	48.77	0.5	0137	1.40		1.40 1.40
	1%	48.77	49.27	0.5	0138	1.85		1.87 1.86
		49.27	49.77	0.5	0139	1.50		1.33 1.42
		49.77	50.92	1.15	0140	1.40		1.27 1.34
		50.92	52.44	1.52	0141	0.70		0.60 0.65
		52.44	53.15	0.71	0142	0.15		
		53.15	53.96	0.81	0143	0.50		
		53.96	54.96	0.50	0144	0.20		
Eq. Py in vesicles and along fractures & disseminations	40%	54.96	54.96	0.5	0145	0.25		
	1%	54.96	55.46	0.5	0146	0.10		
		55.46	55.96	0.5	0147	0.20		
		55.96	56.96	0.5	0148	0.30		
		56.96	56.96	0.5	0149	0.10		
		56.96	57.96	0.5	0150	0.10		
		57.96	57.96	0.5	0151	0.10		
		58.96	58.96	0.5	0152	0.20		
		58.96	58.96	0.5	0153	0.40		
< xstalline blue/black metallic mineral noted		58.96	59.96	0.5	0154	0.30		
		59.96	59.96	0.5	0155	0.25		
		59.96	60.96	0.5	0156	0.20		
		60.96	60.96	0.5	0157	0.20		
		60.96	61.46	0.5	0158	0.20		
		61.46	61.96	0.5	0159	0.10		
		61.96	62.46	0.5	0160	0.20		
		62.46	62.96	0.5	0161	0.60		
		62.96	63.46	0.5	0162	0.40		
		63.46	63.96	0.5	0163	0.20		
		63.96	64.46	0.5	0164	0.25		
		64.46	64.96	0.5	0165	0.45		
		64.96	65.46	0.5	0166	0.40		
		65.46	65.96	0.5	0167	0.70		
		65.96	66.46	0.5	0168	0.70		
		66.46	66.96	0.5	0169	0.20		
	40%	66.96	67.96	1.0	0170	0.50		
	1%	67.96	68.96	1.0	0171	0.50		

DRILL LOG

PROJECT <i>AL-THESIS III</i>	GROUND ELEV.
HOLE NO. <i>A-85-32</i>	BEARING <i>035°</i>
LOCATION	DIP <i>-65</i>
	TOTAL LENGTH <i>7225m - 237'</i>
LOGGED BY <i>L. ECCLES</i>	HORIZONTAL PROJECT
DATE <i>JULY 23/85</i>	VERTICAL PROJECT
CONTRACTOR <i>J.T. THOMAS DIAMOND DRILLING</i>	ALTERATION SCALE 
CORE SIZE <i>HQ</i>	
DATE STARTED <i>JULY 22/85</i>	TOTAL SULPHIDE SCALE 
DATE COMPLETED <i>JULY 23/85 (Breakdown 2-12-85)</i>	
DIP TESTS	
COMMENTS	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% BA
					A	B	C	D	E			
1				CASING								
2												
3												
3.66 3.96	50			A2 - Bleached feldspar porph. - feldspars (some) are up to 1cm across - no surface weathering effects						3		
5	100											
5.49												
6												
6.71												
7												
8												
8.23												
9												
9.75												
10												
11												
11.28												
12												
12.00												
13												
14												
14.33												
15												
15.85												
16												
17												
17.36												TR
18												
18.90												1-2%
19												
20												
20.42												
21												
21.95												up to 5%

Crumbly clay gouge - original porphyritic texture is visible

Crumbly clay gouge

fault gouge

fault gouge

← slightly siliceous A7/A2 - 2% porphy

A7/A2 - very low porosity except for several small zones of vesicular A7 (10cm wide)

A7 - Brecciated to vesicular porph.
- minor Ba xstals in open spaces

A2 - talcy - white feldspar plus clays
A7 - Brecciated w/ Ba veins
- porosity - 10%
- vesicular

15.92	Fr. - massive py on fr surface	20°	
15.95	Contact of A7 & A7 with intense BBXX	15°	15.90 Initial appearance of Ba; in vugs
16.65	Weak bar vein; $\leq 3\text{mm}$	30°	
17.00-17.28	2 Contacts between A7 & A7 \bar{c} intense BBXX	30°	15.95 BBXX begins
17.38	Secondary fr	35°	
17.38-17.80	Rubble		
18.23	Py veinlet	20°	
18.40	Secondary fr	50°	
18.91	Qz-bar veinlets; $\leq 2\text{mm}$	10/65°	
19.02	Qz-bar vein; $\leq 2\text{mm}$	30°	
,	Qz-bar vein; $\leq 1\text{cm}$	40°	
19.41	Hairline pyritic vein	25°	
19.68	Bar veinlet; $\leq 3\text{mm}$	35°	
19.80	2 nd fracture	50°	
21.00	Qz-bar vein; $\leq 1\text{cm}$	40°	
21.32	First appearance of Au; ass \bar{c} Bar		
21.53	Py hairline fr	25°	
21.66	Native Au bleb in vug \bar{c} bar.		
21.93	Bar - qtz vein; horsetailing; $\leq 1\text{cm}$.	15°	

30.15

VG in large vug; $\leq 1\text{cm}$.
Two contacts between py-rich & py "poor" silicification. $60^\circ/45^\circ$
VG situated in vug along contact

31.43

Secondary Fr

45°

31.53

"

40°

29.90 - 30.79 Good
Ba x tal
development

31.58

Hairline py-vein

60°

31.66

55°

Pyritic Vein; $\leq 4\text{mm}$ 23°
Separates py-rich ($< 1\%$ porosity) from py-poor (3% porosity) silicification
Also cuts 3mm wide bar-qtz vein @ 70°

31.86

Contact between py-rich & py "poor" silicification.
Na Au in latter

35°

31.86

Fracture $\bar{\tau}$ py

20°

32.00

fr $\bar{\tau}$ ss/py

20°

direction of movement of ss is 15° to the horizontal of radioc plane & to the R.

32.20 Fr \bar{c} py 45°

32.20 - 35.13 Rubble / extremely fr.

35.13 - 35.50 BBXX \bar{c} chalcidonic qtz
frags.

36.19 Fr. 30°

36.19 Stringers of Bar;
 $\leq 3\text{mm}$ 45°

36.44 Qtz-bar vein; $\leq 1/2\text{cm}$ 10°

36.56 Good Bar xtal development in open spaces; $\leq 1/2\text{cm}$

36.63 Fr \bar{c} py 35°

37.30 Elongation of vug along
a fracture 50°

37.38 secondary fracture 55°
37.39 py hairline vein 50°

37.50 Fr. 15°

38.85 Fr with massive py. 35°
SS; direction of movement
 50° to horizontal in plane
of fracture

38.85 - 39.02 Extremely fractured.

39.37 Fr & py 60°

40.18 Dry fracture
(Secondary) 35°

15.78 - 11.70 Sporadic
^ Brecciation

34 2 // fr. elongation of
vugs 10°

41.12 Fr; py 20°

A95-30

32	Contact \bar{z} intense py & less intense py breccia; porosity same	30°
41.32	Py bands; 1/2 cm	70°
41.52	Pyritic banding // to qtz stringers // hairline fr	20°
41.68	Py hairline fr. dispoor light grey breccia; LL M... + (4 cm displacement)	20°
41.82	qtz vein; ≤ 4 mm; // to hairline fr.	50°
41.65-42.02	// fr (secondary)	60°
45	Hairline fr. \bar{z} dissemin py	// to CIA
42.12	qtz vein; 1cm; \bar{z} py blebs	65°
42.21	qtz stringer \bar{z} chpy	// to CIA & also // to hairline py vein
42.35	secondary fr.	60°
42.80	Py band; ≤ 2 cm; \bar{z} qtz	60°
42.90	Fr \bar{z} py	20°
42.97	Fr \bar{z} layer (2mm) of py + chalcopyrite	15°
43.15- 43.25	CLEAN Frs (2//)	60°
45.12	2 py Fr	45°
45.53	py band (≤ 2 mm)	30°
45.63	Contact between py rich & py poor area	30°
45.77	series of hairline Fr	50°

46.02- 46.23	// bands of py (ranging in width 3cm - 2mm)	75°
46.64	4//hourline Fr & py	35°
46.77	3cm band of intense py	60°
46.95	Fr & massive py	20°
47.02	py bandings // to Ca veinny (\approx 1mm)	20°
47.26	FR & massive py	45°
48.37	Fr pyroclastic sets & py	60°
48.17	2 Fr & py	40° 25°
48.27	SS & massive py direction of movement	55°
49.17- 49.19	SS & py	50°
49.69	EPIDIC STRONG LENS	
49.80	3 Dry Frs	15°
49.95	Dry Frs	45°
50.08	weak alignment of Ca stringer lobes (4-1cm long 2mm wide)	20°
50.42	2mm vein of Ca (badly Fr & no apparent direction)	15°
50.89	Fr & py & elongated clay pits	0°
51.02- 51.84	2 main Frs secondary fractures	60° 55°
54.84- 55.13	Band of intense py flow py	90° 70°
55.55	Fr & massive py	30°
55.70	2 secondary (near pyroclastic?) Fr & py	75° 70°

NOTE: ALL SS MOVEMENT
MEASURED IN RESPECT
to Fr plane

- 55.82 m Fr & py and elongation of vugs 70°
- 55.90 series of py bands // to Fr 80°
- 56.09 2 py Fr & elongated vugs but no displacement visible 40°
80°
- 56.39 2 py bands & elongated vugs but one displaced by faults via LL near mine 35°
65°
- 56.64 py bands & elongation of vugs + calc blebs 25°
- 57.04 Fr & py 45°
- 57.14 weak lamination of clays in py vugs 45°
- 57.90 Fr (H?) (67cm long) 0°
- 57.31-58.55 interval of silicification & abundant remnant clays in place vugs & massive disseminated py 45°
- 58.55 Alteration front btw silicification/gumbo 45°
- 58.55-60.00 interval & py Fr having two general trends 45°
50°
- 60.64 1cm vein of Qtz & py blebs & dissem. 35°
- 60.0-60.98 series of hair line Fr & limonite staining (note py throughout matrix) 55°
- 61.0 calcite vein (< 2 cm) 20°
- 61.55 3cm clay gouge & minor py & ZFr 40°



Interval containing an altered zone of py & Fr
NOTE series of vugs Fr are cut by Fr at 30°

— END OF HOLE —

DRILL LOG

PROJECT AL THESIS III	GROUND ELEV.
HOLE NO. A-85-31	BEARING 035°
LOCATION	DIP -65
	TOTAL LENGTH 235' - 71.69m
LOGGED BY LECCLE	HORIZONTAL PROJECT
DATE JULY 22 1985	VERTICAL PROJECT
CONTRACTOR J.T. THOMAS DIAMOND DRILLING	<p>ALTERATION SCALE</p> <p>0 1 2 3 absent slight moderate intense</p>
CORE SIZE HQ	<p>TOTAL SULPHIDE SCALE</p> <p>0 1 2 3 4 traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DATE STARTED JULY 21 1985	LEGEND
DATE COMPLETED JULY 22 1985	
DIP TESTS YES	
COMMENTS	

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% SODIUM
					A	B	C	D	E			
23.82	80			A2 - Very bleached								
24.85	100		fault gouge									
26.52	100		clay gouge fault gouge - grey									
28.05	100											
31.1	100			- Rock is soft & gougey at lower levels - slightly brecciated								
32.62	100		ba breccia	A7 - minor A2 (clayed tallopan) in upper 1 meter. - Excelsior and vesicular - porosity to 10 % - dark grey due to finely dis. Py - Ba in veins up to 1cm wide & in open space filling as well developed & solid								5%
34.14	95									2		
35.67	95									3		
37.19	95											
38.72	95											
40.24	80											3
41.77	95											
43.29	100		very crumbly & broken									
45.12	90			rock is denser with low porosity, high sulfide								7%

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			A	
		FROM	TO	WIDTH			AU g/t	2nd		
		22.92	23.42	.5	0185		1.0	1.27	1.14	
		23.42	23.92	.5	0186		1.0	1.70	1.35	
Disc py ← dark gray metallic xstalls	17%	23.92	24.42	.5	0187	← VG?	7.8	8.53	8.17	
	5%	24.42	24.92	.5	0188	VG	1.0	0.93	0.97	
	1%	24.92	25.42	.5	0189		0.8	0.8	0.8	
		25.42	25.92	.5	0190		2.6	1.47	2.04	
		25.92	26.42	.5	0191		2.8	1.47	2.14	
		26.42	26.92	.5	0192	VG	6.9	12.06	10.7	A = 9.89
		26.92	27.42	.5	0193		4.75	5.27	A = 5.01	
		27.42	27.92	.5	0194		13.20	4.8	6.0	A = 9.0
		27.92	28.42	.5	0195		3.50	1.17	A = 2.34	
blue black metallic (copper?) mineral - only a few isolated grains.	41%	28.42	28.92	.5	0196	VG	26.90	21.6	13.6	A = 20.7
	1%	28.92	29.42	.5	0197	VG	102.5	26.8	41.6	A = 26.85
		29.42	29.88	.46	0198		10.5	22.75	5.00	A = 7.74
	2%	29.88	31.10	1.22	0199		2.20	0.97		A = 1.54
Py as Disseminations & as fine grained masses along fracture planes - also in blebs - maybe some py	10%	31.10	31.40	0.3	0200		1.8	2.2		A = 2.0
	15%	31.40	31.90	0.5	0201		4.40	3.75		A = 4.07
	1%	31.90	32.40	0.5	0202		61.60	49.75		A = 80.68
		32.40	32.90	0.5	0203		2.3	1.93		A = 2.12
		32.90	33.40	0.5	0204		0.60	0.63		A = 0.77
		33.40	33.90	0.5	0205		1.90			
		33.90	34.40	1.0	0206		1.30			
		34.40	35.40	0.5	0207		1.0			
		35.40	35.90	0.5	0208		1.15			
		35.90	36.40	0.5	0209		0.60			
		36.40	36.90	0.5	0210		1.20			
		36.90	37.50	0.6	0211		0.75			
		37.50	38.50	1.0	0212		0.50			
		38.50	39.37	0.87	0213		0.60			
		39.37	39.93	0.56	0214		1.50			
		39.93	40.50	0.57	0215		1.60			
		40.50	41.23	0.73	0216		0.60			
		41.23	41.96	0.73	0217		1.30			
		41.96	42.46	0.5	0218		1.60			
		42.46	42.96	0.5	0219		1.50			
		42.96	43.55	0.59	0220		1.30			
	3%	43.55	44.15	0.60	0221		1.90			
	1%	44.15	45.15	1.00	0222		0.50			

825m
109714

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
46.34	90			A7 - porosity up to 10%							
47.86	85									3	20%
49.30	80									2	
50.9	80									2	
52.44											
53.35											
53.96										3	
55.41	80									3	
55.79				Gumbo fault gouge	A2 - bleached feldspar zone					1	
57.30	80			A7 - vesicular, brecciated - porosity to 10%						3	1%
58.57										3	
60.36	5									5	
60.67	50			bodily broken & unsorted							
60.97	60			- low recovery							1%
62.1										3	
63.72	5										
64.63	5										
66.16	70										3%
66.16	80										
67.8				A2/A7 - low porosity - feldspar remain intact despite clayey							
67.8	55			A2 - Bleached feldspar zone							
				Gumbo fault gouge							



MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH		Au g/t	2 nd	3 rd / \bar{A}	
		45.15	46.15	1.0	0223	0.40			
		46.15	47.15	1.0	0224	0.30			
		47.15	48.15	1.0	0225	0.40			
		48.15	49.15	1.0	0226	0.30			
		49.15	50.91	1.76	0227	0.50			
		50.91	51.91	1.0	0228	0.40	0.27		0.34
		51.91	52.91	1.0	0229	3.10	0.87		1.99
		52.91	53.91	1.0	0230	1.70	4.80		3.25
		53.91	55.49	1.58	0231	1.50	1.00		1.25
		55.49	57.32	1.83	0232	1.30	1.30		1.30
Lower sulphide content in clayed section		57.32	58.53	1.21	0233	0.70	0.67		0.69
		58.53	60.06	1.53	0234	1.30	0.73		1.02
		60.06	62.19	2.13	0235	6.90	20.80	9.3	12.33
		62.19	64.63	2.44	0236	0.60	0.67		0.44
- Diss. copy + py		64.63	66.16	1.53	0237	0.50			
		66.16	67.68	1.52	0238	0.30			
- diss copy -									

10.28 m @
1.80 g/t

30%
A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS			
		FROM	TO	WIDTH					
	2%								
	1%								
Py diss coating fracture surface									
	5%								

DRILL LOG

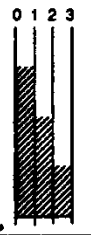

PROJECT <i>AL-THESIS III</i>	GROUND ELEV.
HOLE NO. <i>A-85-33</i>	BEARING <i>035</i>
LOCATION	DIP <i>-50</i>
	TOTAL LENGTH <i>217' - 66.16m</i>
LOGGED BY <i>LOUISE ECCLES</i>	HORIZONTAL PROJECT
DATE <i>JULY 25/85</i>	VERTICAL PROJECT
CONTRACTOR <i>J.T THOMAS DIAMOND DRILLING</i>	<p>ALTERATION SCALE</p>  <p>absent slight moderate intense</p>
CORE SIZE <i>H0</i>	
DATE STARTED <i>JULY 24/85</i>	<p>TOTAL SULPHIDE SCALE</p>  <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DATE COMPLETED <i>JULY 24/85</i>	
DIP TESTS	
COMMENTS <i>DRILLING permeable gossan below Thesis III water continues to flow from hole after chilling</i>	LEGEND

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au gmt.				
very fine disse xstalls of Py	3% Py									
Maybe some Cu and or pyrites have some tarnishing that look like result of Cu	8% Py	13.72	14.72	1.0	0239				<0.05	
		14.72	15.72	1.0	0240				<0.05	
		15.72	16.72	1.0	0241				<0.05	
		16.72	17.72	1.0	0242				<0.05	
		17.72	18.72	1.0	0243				0.15	
		18.72	19.72	1.0	0244				<0.05	
		19.72	20.72	1.0	0245				<0.05	
		20.72	21.72	1.0	0246				<0.05	
		21.72	22.72	1.0	0247				<0.05	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		Au gm/t		
	22 7/8	22.72	23.72	1.0	0248	0.10		
- Py finely disse throughout	10 1/8	23.72	24.72	1.0	0249	1.10		
	8 1/8	24.72	25.72	1.0	0250	0.80		
	29 1/8							
	29 1/8	30.5	31.5	1.0	0251	0.70		
		31.5	32.0	0.5	0252	0.40		
crumbly →		32.0	32.62	0.62	0253	0.50		
crumbly →		32.62	33.53	0.91	0254	0.10		
	2 1/16	33.53	34.03	0.50	0255	6.60		
		34.03	35.03	1.00	0256	1.40		
	1 1/8							
	2 3/8							
	1 1/2							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		Au gm/t.		
	2 1/2%	22.72	23.72	1.0	0248	0.10		
- Py finely disseminated throughout	10%	23.72	24.72	1.0	0249	1.10		
	Py	24.72	25.72	1.0	0250	0.80		
	5 1/2%							
	8 1/2%							
	Py							
	10%							
	29%							
		30.5	31.5	1.0	0251	0.70		
		31.5	32.0	0.5	0252	0.40		
		32.0	32.62	0.62	0253	0.50		
crumbly →		32.62	33.52	0.91	0254	0.10		
crumbly →		33.53	34.03	0.50	0255	0.60		
	10%	34.03	35.03	1.00	0256	1.40		
	Py							
	1 1/2%							
	Py							
	2 1/2%							
	Py							
	1%							
	1/2%							
	Py							

DRILL LOG

PROJECT AL - THESIS III	GROUND ELEV.
HOLE NO. A-85-34	BEARING 032°
LOCATION	DIP -50
	TOTAL LENGTH 184' = 56.09 m
LOGGED BY L. ECCLES	HORIZONTAL PROJECT
DATE JULY 26/85	VERTICAL PROJECT
CONTRACTOR J.T. THOMAS DIAMOND DRILLING	<p>ALTERATION SCALE</p>  <p>absent slight moderate intense</p>
CORE SIZE HQ	
DATE STARTED JULY 25/85	
DATE COMPLETED JULY 25/85	<p>TOTAL SULPHIDE SCALE</p>  <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DIP TESTS	
COMMENTS CASING LEFT IN HOLE - rock silicified & shattered at bottom of hole.	LEGEND



MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH				

*21%
A*

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% BA
					A	B	C	D	E			
23.47	100			A ₃ Manson Volcanics								
25.0	100											
26.52	100											
28.0	100											
29.57	100			A ₂ - Bleached feldspar porph								
31.1	90		↳ Cumbo Fault zone	A ₇ /A ₂ - low porosity - very rubby & broken up - equal proportions of A ₂ & A ₇						3		
32.0	90			A ₇ - look almost cherty in places - highly fractured (shattered) - porosity up to 20% - tr. biotite								TR
33.53	90											
35.06	90											
35.97	90											
36.58	100		↳ Manson Fault zone	A ₃ /A ₂ - pink-manson feldspar porph								
38.11	100											
39.63	100											
41.16	100											
42.68	100		↳ Fault zone	A ₂ - bleached feldspar porph								
44.21	100											
45.73	100											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		g/t	g/t
		29.57	30.57	1.0	0264	0.30	
Diss cubes of py.	1%	30.57	31.57	1.0	0265	0.20	
		31.57	32.57	1.0	0266	0.40	
		32.57	33.07	0.5	0267	0.40	
Some massive blebs of f.g. pyrite	5%	33.07	33.57	0.5	0268	0.70	
		33.57	34.07	0.5	0269	0.70	
		34.07	34.57	0.5	0270	0.30	
		34.57	35.07	0.5	0271	0.35	
		35.07	35.57	0.5	0272	0.32	
		35.57	36.07	0.5	0273	0.40	
	4%						

DRILL LOG

PROJECT <i>AL - THESIS III</i>	GROUND ELEV.
HOLE NO. <i>A-95-35</i>	BEARING <i>215°</i>
LOCATION	DIP <i>- 46°</i>
	TOTAL LENGTH <i>71.64 m = 235'</i>
LOGGED BY <i>L. ECCLES</i>	HORIZONTAL PROJECT
DATE <i>JULY 27/85</i>	VERTICAL PROJECT
CONTRACTOR <i>J.T. THOMAS DIAMOND DRILLING</i>	<p>ALTERATION SCALE</p>  <p>absent slight moderate intense</p>
CORE SIZE <i>HQ</i>	<p>TOTAL SULPHIDE SCALE</p>  <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DATE STARTED <i>JULY 26/85</i>	
DATE COMPLETED <i>JULY 26/85</i>	
DIP TESTS <i>YES - BOTTOM OF HOLE</i>	
COMMENTS <i>LAST HOLE FOR PHASE I DRILLING ON AL</i>	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
1				CASING							
2											
3											
4											
5				OVERBURDEN							
5.40	100			A2 - Buff to limonite fault gouge - mucky							
7.01											
8.53	100										
10.06	100										
11.58	100										
13.11	100										
14.63	100										
16.16	95			Bottom of SURFACE WEATHERING A2 - grey - mucky fault gouge							
17.68	100										
19.21	90			Crumbly, broken rock A7/A2 - Very broken up rock - distinct, clayed feldspar phenocrysts							
20.12	80										
21.64	85										
23	90			Combo Gouge A2 - extremely bleached + clayed							

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ	% B.C.
					A	B	C	D	E			
23.7				A2								
24.69	95											
26.23	100											
27.74	100											
29.27	100			mucky gang								
30.94	100											
32.47	100											
34.14	100			A2/A7 - still highly bleached but more A7 - distinct clayed feldspars								
35.67	100											
37.11	100			A7 - Vein-like - cracked + mineralized - 2' of top alteration front 45° to core - minor clayed feldspars - porosity up to 10% - fine x-staffine Barite in open spaces								
38.07	95			*VG - on small scale								
40.55	90											
42.07												
43.69												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	Av g/t	ASSAYS		
		FROM	TO	WIDTH					
- not an original copy	8%	48.67	49.17	0.5	16895	1.3			
		49.17	49.67	0.5	16896	1.6			
		49.67	50.17	0.5	16897	1.10			
		50.17	50.67	0.5	16898	0.30			
		50.67	51.17	0.5	16899	0.25			
		51.17	52.17	1.0	16900	0.20			
		52.17	53.17	1.0	16901	0.30			
		53.17	54.17	1.0	16902	0.60			
finely disp. massive by blebs stringers of py + cp	10%	54.17	54.67	0.5	16903	0.50			
		54.67	55.17	0.5	16904	0.70			
		55.17	55.67	0.5	16905	0.10			
		55.67	56.17	0.5	16906	0.20			
		56.17	57.31	1.14	16907	0.20			
- in con. cells - dis. xstals or py?	4%	57.31	57.81	0.5	16908	0.10			
		57.81	58.31	0.5	16909	0.20			
		58.31	58.81	0.5	16910	0.10			
		58.81	59.81	1.0	16911	0.10			
		59.81	60.31	0.5	16912	0.10			
		60.31	60.81	0.5	16913	0.05			
		60.81	61.31	0.5	16914	2.70			
		61.31	61.81	0.5	16915	0.20			
		61.81	62.31	0.5	16916	0.30			
		62.31	62.81	0.5	16917	0.10			
		62.81	63.31	0.5	16918	0.05			
		63.31	63.81	0.5	16919	0.10			
		63.81	64.31	0.5	16920	0.20			
		64.31	65.31	1.0	16921	0.50			



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Telephone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : ENERGEX MINERALS LIMITED

703 - 850 W. HASTINGS ST.
VANCOUVER, B.C.
V6C 1E1

CERT. # : A8513846-001-A
INVOICE # : 18513846
DATE : 18-JUL-85
P.O. # : NONE

ATTN:

Sample description	Prep code	Au oz/T RUSH FA	Au Fa mg	Weight grams	Weight grams
15113 TOTAL	214	1.887	--	--	--
15114 TOTAL	214	2.019	--	--	--
15115 TOTAL	214	2.191	--	--	--
15116 TOTAL	214	2.047	--	--	--
15117 TOTAL	214	1.119	--	--	--
15118 TOTAL	214	19.019	--	--	--
15119 TOTAL	214	0.292	--	--	--
15120 TOTAL	214	0.291	--	--	--
15121 TOTAL	214	0.224	--	--	--
15122 TOTAL	214	0.196	--	--	--
15113 -100	236	1.862	--	--	180
15114 -100	236	2.030	--	--	190
15115 -100	236	2.200	--	--	211
15116 -100	236	1.800	--	--	229
15117 -100	236	1.188	--	--	277
15118 -100	236	15.252	--	--	229
15119 -100	236	0.288	--	--	220
15120 -100	236	0.296	--	--	292
15121 -100	236	0.222	--	--	216
15122 -100	236	0.204	--	--	278
15113 +100	214	--	1.651	23.10	--
15114 +100	214	--	0.023	1.40	--
15115 +100	214	--	0.114	2.40	--
15116 +100	214	--	3.664	24.50	--
15117 +100	214	--	0.748	36.50	--
15118 +100	214	--	40.938	17.30	--
15119 +100	214	--	0.179	15.00	--
15120 +100	214	--	0.099	14.80	--
15121 +100	214	--	0.092	9.70	--
15122 +100	214	--	0.041	17.50	--



.....
Registered Assayer, Province of British Columbia

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 700 - 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-78

DATE: July 9, 1985

ATTENTION: **B. Price**

PROJECT:

Sample Description	Au g/tonne
15101	1.30
15102	1.30
15103	1.40
15104	1.90
15105	2.60
15106	9.60
15107	4.50
15108	1.00
15109	7.40
15110	8.50
15111	1.20
15112	2.30
15113	87.80

A1

Au: fire assay, gravimetric finish; 20g sample.

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 #703 - 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-85

DATE: July 15, 1985

ATTENTION: **B. Price**

PROJECT:

Sample Description	Au g/tonne
15114	49.60
15115	80.00
15116	74.60
15117	47.90
15118	768.7
15119	9.10
15120	18.90
15121	9.20
15122	5.60
15123	1.90
15124	2.50
15125	0.80
15126	0.70
15127	2.20
15128	3.60
15129	2.70
15130	2.00
15131	4.00
15132	0.20
15133	0.50
15134	0.20
15135	0.10
15136	0.10
15137	0.60
15138	0.40
15139	0.20
15140	0.40
15141	0.40
15142	0.30
15143	0.50
15144	0.40
15145	0.20
15146	0.50
15147	22.00
15148	2.40
15149	3.00
15150	2.70
15151	2.00
15152	1.50
15153	1.50

#A1

#A2

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Au g/tonne
15154	0.90
15155	1.10
15156	1.90
15157	1.80
15158	2.05
15159	2.90
15160	1.70
15161	0.90
15162	0.20
15163	0.30
15164	2.30
15165	9.00
15166	14.60
15167	9.80
15168	0.70
15169	4.50
15170	13.40
15171	0.80
15172	1.60
15173	0.40
15174	1.60

A2

REASSAYS

15114	50.00 ✓		
15115	77.40 ✓		
15116	69.50 ✓		
15117	47.80 ✓		
15118	788.7 ✓	766.6	781.9 / Au 779.07
15119	11.10 ✓		
15120	17.40 ✓		
15121	8.30 ✓		

A1

Au: fire assay, gravimetric finish.

Duncan Sanderson.....
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-96

DATE: July 22, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT:

Sample Description	Ag ppm
15175	1.8
15176	4.0
15177	6.3
15178	22.6
15179	11.0
15180	2.2
15181	1.4
15182	1.0
15183	.8
15184	.6
15185	.5
15186	.5
15187	.4
15188	.3
15189	.2
15190	.1
15191	.1
15192	.1
15193	.1
15194	.1
15195	.2
15196	.1
15197	.1
15198	4.4
15199	.6
15200	1.3
15201	.7
15202	.8
15203	.9
15204	.7
15205	.9
15206	.4
15207	.4
15208	.3
15209	.3
15210	.2
15211	.2
15212	.2
15213	.1
15214	.9

AA2

.....Dunn n. Sanderson.....

GEOCHEMICAL REPORT

Sample Description	Ag ppm
15215	.1
15216	.1
15217	.7
15218	.8
15219	.2
15220	.2
15221	.2
15222	.6
15223	.3
15224	.4
15225	.3
15226	.5
15227	1.3
15228	.7
15229	1.2
15230	1.2
15231	.7
15232	.8
15233	.4
15234	.8
15235	.6
15236	.5
15237	.5
15238	.2
15239	.5
15240	.2
15241	.2
15242	.3
15243	.3
15244	.7
15245	.9
15246	.4
15247	.3
15248	.5
15249	2.8
15250	1.1
15251	2.9
15252	1.1
15253	.4
15254	.7
15255	1.3
15256	2.8
15257	2.0
15258	1.5
15259	2.7
15260	1.4
15261	2.0
15262	2.8
15263	3.2
15264	1.6

#A2

#A3

...*[Signature]*...*[Signature]*...

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-96A

DATE: July 22, 1985

ATTENTION: **B. Price cc. A.O. Birkland**

PROJECT:

Sample Description	Au g/tonne	
15175	0.95 ✓	
15176	1.35 ✓	
15177	1.20 ✓	
15178	3.35 ✓	
15179	1.60 ✓	
15180	0.95 ✓	
15181	1.05 ✓	
15182	1.20 ✓	
15183	0.55 ✓	
15184	0.95 ✓	
15185	0.95 ✓	
15186	0.80 ✓	
15187	0.55 ✓	
15188	0.65 ✓	
15189	0.55 ✓	
15190	0.40 ✓	
15191	0.40 ✓	
15192	0.40 ✓	
15193	<0.05	
15194	0.10	
15195	0.25	
15196	0.65	
15197	2.40	
15198	47.49	Reassay
15199	0.40 ✓	47.22
15200	0.80 ✓	
15201	2.95 ✓	
15202	0.80 ✓	
15203	0.80 ✓	
15204	1.05 ✓	
15205	1.75 ✓	
15206	0.65 ✓	
15207	0.65	
15208	0.55	
15209	0.55	
15210	0.55	
15211	0.55	
15212	0.40	
15213	0.40	
15214	2.65	

#A2

39.25

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Diana M. Sandness
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Au g/tonne
15215	0.25
15216	0.25
15217	0.95
15218	0.25
15219	0.15
15220	0.15
15221	0.15
15222	0.25
15223	<0.05
15224	<0.05
15225	0.40
15226	0.20
15227	0.25
15228	0.25
15229	0.40
15230	0.55
15231	0.55
15232	1.05
15233	0.80
15234	0.65
15235	0.80
15236	0.15
15237	0.65
15238	0.65
15239	1.05
15240	0.80
15241	0.95
15242	0.40
15243	0.25
15244	0.10
15245	1.05
15246	1.45
15247	0.80
15248	2.25
15249	18.15
15250	18.00
15251	7.45
15252	1.45
15253	0.40
15254	1.60
15255	1.45
15256	7.20
15257	10.94
15258	1.45
15259	1.35
15260	1.85
15261	4.95
15262	1.05
15263	4.25
15264	13.05

#A2

#A3

Quance Sanderson
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-99

DATE: July 22, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (36)

Sample Description	Ag ppm
13501	1.7
13502	.4
13503	.6
13504	.3
13505	.9
13506	2.0
13507	2.9
13508	2.1
13509	.3
13510	.2
13511	.4
13512	2.0
13513	2.9
13514	.6
13515	.6
13516	2.7
13517	2.6
13518	1.7
13519	1.1
13520	1.2
13521	2.3
13522	1.9
13523	.8
13524	.5
13525	.7
13526	1.1
13527	1.2
13528	1.2
13529	.9
13530	.7
13531	.2
13532	.5
13533	.3
13534	.1
13535	1.1
13536	1.7
13537	.5
13538	.4
13539	.4
13540	.6

#A6

#A7

Duncan Sanderson

GEOCHEMICAL REPORT

Sample Description	Ag ppm
13541	.3
13542	.7
13543	1.4
13544	1.6
13545	2.8
13546	1.3
15389	.2
15390	.7
15391	.1
15392	.6
15393	.5
15394	1.6
15395	.6
15396	.3
15397	.2
15398	.3
15399	.6
15400	.8

- Results of file 85-99 are geochemical determinations:
Ag: aqua regia digestion, AA.

.....*John W. Sanderson*.....

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-99A

DATE: July 22, 1985

ATTENTION: **B. Price cc. A.O. Birkland**

PROJECT: A1 (36)

Sample Description	Au g/tonne
13501	0.55
13502	0.80
13503	0.55
13504	0.15
13505	1.05
13506	1.35
13507	1.75
13508	1.20
13509	0.15
13510	<0.05
13511	0.25
13512	3.60
13513	2.40
13514	0.95
13515	1.75
13516	1.60
13517	1.60
13518	1.20
13519	0.55
13520	0.40
13521	0.15
13522	0.65
13523	2.80
13524	2.00
13525	1.35
13526	0.95
13527	1.35
13528	0.55
13529	0.65
13530	1.60
13531	0.40
13532	1.05
13533	<0.05
13534	0.15
13535	2.25
13536	3.35
13537	0.55
13538	0.95
13539	0.80
13540	1.60

#A6

#A7

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sandison
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Au g/tonne
13541	0.65
13542	3.75
13543	2.75
13544	6.20
13545	5.45
13546	2.55
15389	0.40
15390	0.55
15391	0.15
15392	0.40
15393	0.55
15394	1.60
15395	0.40
15396	<0.05
15397	0.25
15398	0.40
15399	<0.05
15400	0.15

Results of file 85-99A are assays:
Au: fire assay, gravimetric finish.

[Signature]
Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
 #703 - 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-106

DATE: July 25, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Ag ppm
13606	.2
13607	1.6
13608	1.0
13609	1.6
13610	1.5
13611	1.6
13612	2.2
13613	1.4
13614	.3
13615	.6
13616	2.6
13617	1.0
13618	.4
13619	.6
13620	1.0
13621	.8
13622	.7
13623	1.9
13624	4.3
13625	5.6
13626	1.8
13627	9.2
13628	32
13629	.8
13630	.6
13631	1.2
13632	.5
13633	1.4
13634	2.4
13635	2.6
13636	3.7
13637	6.2
13638	6.7
13639	.4
13640	1.1
13641	1.0
13642	2.3
13643	1.1
13644	4.8
13645	1.2

#A10

Duncan Sandness.....

GEOCHEMICAL REPORT

Sample Description	Ag ppm
13646 - #A10	1.0
13647	.2
13648	1.2
13649	1.2
13650	1.3
13651	1.2
13652	4.6
13653	2.6
13654	1.6
13655	4.1
13656	3.9
13657	3.1
13658	1.5
13659	.9
13660	.9
13661	3.0
13662	.8
13663 } #A11	.6
13664	.6
13665	.5
13666	.5
13667	.5
13668	.8
13669	.9
13670	1.1
13671	1.3
13672	1.6
13673	1.0
13674	1.3
13675	1.9
13676	4.5
13677	3.0
13678	2.5
13679	1.1
13680	.8
13681	.8
13682	.6
13557	.9
13558	.9
13559	.8
13560	.6
13561	.9
13562 } #A8	2.2
13563	.9
13564	1.0
13565	.9
13566	.9
13567	.9
13568	2.5
13569	1.0

Dumas Sandus.....

GEOCHEMICAL REPORT

Sample Description	Ag ppm
13570	.6
13571	.3
13572	1.0
13573	1.6
13574	.8
13575	.8
13576	.9
13577	3.3
13578	1.7
13579	.9
13580	.8
13581	3.0
13582	.8
13583	.7
13584	.3
13585	2.8
13586	4.9
13587	11.2
13588	1.1
13589	10.1
13590	3.3
13591	2.9
13592	8.7
13593	8.5
13594	25
13595	6.7
13596	10.6
13597	5.8
13598	20.0
13599	8.3
13600	.6
13601	6.7
13602	16.2
13603	3.4
13604	11.6
13605	4.3
13547	.5
13548	.6
13549	.4
13550	.3
13551	.4
13552	.5
13553	.7
13554	.8
13555	.7
13556	.2
13683	.5
13684	1.3
13685	.7
13686	.5

A8

A9

A7

A11

Duncan Sanderson

ASSAY REPORT

TO: Energex Minerals Ltd.
 #703 - 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-106A

DATE: July 25, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Au g/tonne
13606 — ?	<0.05
13607	1.05
13608	0.55
13609	1.20
13610	1.35
13611	1.60
13612	1.85
13613	1.35
13614	1.45
13615	1.45
13616	6.25
13617	1.05
13618	0.40
13619	2.65
13620	8.95
13621	1.20
13622	3.75
13623	6.00
13624 } #A10	28.15
13625 } #A10	31.08
13626	13.37 VG
13627	149.0
13628	1394 VG
13629	2.40
13630	2.80
13631	2.55
13632	3.05
13633	3.85
13634	9.05
13635	3.45
13636	2.65
13637	10.95
13638	8.95
13639	0.80
13640	2.55
13641	1.20
13642	7.85
13643	2.55
13644	4.15
13645	1.05

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Au g/tonne
13646 - #A10	0.65
13647 - ?	<0.05
13648	0.80
13649	1.05
13650	1.45
13651	1.85
13652	3.85
13653	2.00
13654	1.35
13655	2.95
13656	2.00
13657	1.45
13658	1.20
13659	0.15
13660	0.55
13661	3.85
13662	<0.05
13663	0.15
13664	<0.05
13665	<0.05
13666	<0.05
13667	<0.05
13668	0.80
13669	0.65
13670	1.35
13671	1.60
13672	1.35
13673	0.80
13674	1.60
13675	2.55
13676	3.45
13677	4.40
13678	2.55
13679	1.05
13680	0.95
13681	0.15
13682	<0.05
13557	2.15
13558	0.80
13559	1.20
13560	0.25
13561	0.95
13562	11.75
13563	1.05
13564	1.85
13565	1.75
13566	1.85
13567	2.40
13568	3.85
13569	2.00

#A10
?

#A11

#A8

Duncan Sandison.....
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Au g/tonne
13570	1.35
13571	1.05
13572	1.35
13573	4.65
13574	1.75
13575	1.87
13576	0.95
13577	0.95
13578	0.80
13579	0.55
13580	0.55
13581	0.40
13582	0.25
13583	0.25
13584	<0.05
13585	<0.05
13586	<0.05
13587	<0.05
13588	<0.05
13589	1.20
13590	0.40
13591	0.40
13592	0.80
13593	1.20
13594	1.75
13595	0.95
13596	1.75
13597	1.05
13598	2.25
13599	1.75
13600	0.15
13601	0.95
13602	2.00
13603	0.80
13604	1.35
13605	0.65
13547	7.35
13548	2.25
13549	3.75
13550	3.05
13551	2.40
13552	3.45
13553	4.00
13554	0.95
13555	1.45
13556	<0.05
13683	<0.05
13684	0.05
13685	0.15
13686	<0.05

#A8

?

#A9

#A7

#A11

Duncan Sandison
 Certified Assayer of British Columbia

ASSAY REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-117A

DATE: August 7, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Au g/tonne		Au g/tonne
0040	<0.05	0080	10.25
0041	0.40	0081	0.45
0042	0.40	0082	0.40
0043	0.55	0083	0.40
0044	0.40	0084	0.90
0045	0.80	0085	4.20
0046	0.80	0086	4.40
0047	9.40	0087	1.80
0048	17.80	0088	2.60
0049	5.10	0089	1.60
0050	7.25	0090	1.70
0051	5.00	0091	0.60
0052	6.20	0092	0.70
0053	2.60	0093	1.10
0054	10.40	0094	0.70
0055	21.80	0095	0.70
0056	1.10	0096	0.70
0057	3.45	0097	0.70
0058	2.00	0098	59.70
0059	1.00	0099	0.60
0060	2.70	0100	<0.05
0061	1.80	0101	<0.05
0062	2.80	0102	0.30
0063	32.40	0103	0.20
0064	5.00	0104	0.50
0065	6.90	0105	1.80
0066	5.00	0106	1.30
0067	163.8	0107	1.10
0068	144.0	0108	0.90
0069	23.50	0109	0.90
0070	189.5	0110	0.70
0071	8.50	0111	0.10
0072	7.10	0112	0.95
0073	3.70	0113	1.45
0074	1.15	0114	0.75
0075	1.80	0115	0.90
0076	8.70	0116	0.65
0077	20.30	0117	0.90
0078	8.10	0118	1.10
0079	3.00	0119	2.40

#A30

#A30

#A31

Refracts retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Au g/tonne		Au g/tonne
0120	1.80	0142	0.45
0121	1.90	0143	0.50
0122	15.20	0144	0.20
0123	2.10	0145	0.25
0124	1.70	0146	0.10
0125	1.40	0147	0.20
0126	2.50	0148	0.30
0127	2.40	0149	0.10
0128	1.90	0159	0.10
0129	2.50	0160	0.20
0130	6.30	0161	0.60
0131	5.00	0162	0.40
0132	1.40	0163	0.10
0133	2.80	0164	0.25
0134	3.80	0165	0.45
0135	2.40	0166	0.40
0136	2.50	0167	0.70
0137	1.40	0168	0.70
0138	1.85	0169	0.20
0139	1.50	0170	0.50
0140	1.40	0171	0.50
0141	0.70		

A31

A31

Results of file 85-117A are assays:
 Au: fire assay, gravimetric finish.

Quoc Tran
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-117

DATE: August 7, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Ag ppm		Ag ppm
0040	.1	0080	1.3
0041	.3	0081	.2
0042	.8	0082	.2
0043	.4	0083	.3
0044	.3	0084	.7
0045	.3	0085	1.5
0046	.4	0086	.7
0047	1.4	0087	4.9
0048	3.8	0088	1.9
0049	1.9	0089	8.6
0050	1.1	0090	16.5
0051	.9	0091	3.9
0052	1.6	0092	.9
0053	1.0	0093	1.1
0054	1.5	0094	.9
0055	2.3	0095	1.2
0056	.8	0096	.9
0057	1.0	0097	.8
0058	.7	0098	4.8
0059	.5	0099	.2
0060	.7	0100	.4
0061	.5	0101	.3
0062	1.0	0102	.5
0063	5.9	0103	.4
0064	2.3	0104	.4
0065	3.7	0105	.9
0066	3.1	0106	1.6
0067	9.6	0107	.8
0068	4.6	0108	.8
0069	1.9	0109	.7
0070	12.9	0110	.9
0071	.9	0111	.9
0072	.8	0112	1.0
0073	.8	0113	1.1
0074	.7	0114	.8
0075	.7	0115	1.0
0076	1.4	0116	1.7
0077	1.7	0117	1.4
0078	.8	0118	5.1
0079	.6	0119	9.7

A30

#A30

#A31

Duncan Sandison

GEOCHEMICAL REPORT

Sample Description	Ag ppm		Ag ppm
0120	2.5	0142	.9
0121	1.6	0143	1.1
0122	6.9	0144	.9
0123	6.2	0145	.6
0124	4.7	0146	.5
0125	3.6	0147	.5
0126	6.2	0148	.7
0127	4.1	0149	.7
0128	4.8	0159	.5
0129	5.0	0160	.9
0130	29	0161	1.2
0131	23	0162	1.0
0132	2.3	0163	.5
0133	5.1	0164	.7
0134	4.1	0165	.8
0135	2.2	0166	.6
0136	1.9	0167	.9
0137	1.9	0168	1.1
0138	2.4	0169	.5
0139	1.8	0170	.7
0140	1.4	0171	1.1
0141	.9		

AA31

#A31

Results of file 85-117 are geochemical determinations:
 Ag: aqua regia digestion, AA.

Duncan Sanderson

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: 85-124

DATE: August 7, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Ag ppm
0150	.5
0151	.4
0152	.4
0153	.5
0154	.7
0155	.5
0156	.3
0157	.4
0158	.4
0172	.8
0173	.5
0174	.5
0175	.1
0176	1.7
0177	1.5
0178	2.0
0179	1.3
0180	1.5
0181	1.7
0182	3.0
0183	2.0
0184	.9

Results of file 85-124 are geochemical determinations:

Ag: aqua regia digestion, AA.

Duncan Anderson

ASSAY REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-124A

DATE: August 7, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Au g/tonne
0150	0.10
0151	0.10
0152	0.20
0153	0.40
0154	0.30
0155	0.25
0156	0.20
0157	0.20
0158	0.20
0172	0.30
0173	0.20
0174	0.30
0175	<0.05
0176	1.30
0177	1.30
0178	1.60
0179	0.70
0180	1.30
0181	1.10
0182	2.70
0183	1.40
0184	0.50

#A31

#A32

Results of file 85-124A are assays:
 Au: fire assay, gravimetric finish.

Results retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-131

DATE: August 12, 1985

ATTENTION: **B. Price cc. A.O. Birkland**

PROJECT: **A1 (036)**

Sample Description	Ag ppm		Ag ppm
16876	0.3	16909	0.1
16877	0.4	16910	0.1
16878	0.3	16911	0.1
16879	0.5	16912	0.1
16880	1.9	16913	0.1
16881	4.4	16914	0.1
16882	3.5	16915	0.1
16883	2.0	16916	0.1
16884	0.6	16917	0.1
16885	3.5	16918	0.1
16886	0.5	16919	0.1
16887	0.9	16920	0.1
16888	1.1	16921	0.6
16889	1.6	16922	0.3
16890	1.4	0261	0.1
16891	1.2	0262	0.1
16892	1.3	0263	0.1
16893	1.1	0264	0.1
16894	0.7	0265	0.2
16895	3.9	0266	0.4
16896	2.6	0267	0.9
16897	1.1	0268	1.7
16898	0.6	0269	1.4
16899	0.9	0270	0.7
16900	0.4	0271	0.5
16901	1.4	0272	0.3
16902	1.3	0273	0.9
16903	0.6	0274	2.8
16904	0.2	0275	0.3
16905	0.1	0276	0.4
16906	0.2	0277	0.7
16907	0.1	0278	1.0
16908	0.1		

#A35

#A35

A33

A34

Results of file 85-131 are geochemical determinations:
 Ag: aqua regia digestion, AA.

Duncan... Sanders.....

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-131A

DATE: August 12, 1985

ATTENTION: **B. Price cc. A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au g/tonne		Au g/tonne
16876	0.50	16909	0.20
16877	0.50	16910	0.10
16878	0.60	16911	0.10
16879	0.60	16912	0.10
16880	3.20	16913	<0.05
16881	9.50	16914	2.70
16882	5.10	16915	0.20
16883	1.30	16916	0.30
16884	0.55	16917	0.10
16885	1.25	16918	<0.05
16886	0.50	16919	0.10
16887	2.00	16920	0.20
16888	3.00	16921	0.50
16889	1.40	16922	0.20
16890	0.70	0261	0.30
16891	0.50	0262	<0.05
16892	0.45	0263	<0.05
16893	0.50	0264	0.30
16894	0.50	0265	0.20
16895	1.30	0266	0.40
16896	1.60	0267	0.40
16897	1.10	0268	0.70
16898	0.30	0269	0.70
16899	0.25	0270	0.30
16900	0.20	0271	0.35
16901	0.30	0272	0.30
16902	0.60	0273	0.40
16903	0.50	0274	2.70
16904	0.70	0275	0.80
16905	0.10	0276	0.50
16906	0.20	0277	0.50
16907	0.20	0278	0.60
16908	0.10		

Results of file 85-131A are assays:
 Au: Au: fire assay, gravimetric finish.

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: 85-134

DATE: August 13, 1985

ATTENTION: **B. Price**

cc. **A.O. Birkland**

PROJECT: **A1 (036)**

Sample Description	Ag ppm		Ag ppm
0185	0.5	0223	0.2
0186	0.8	0224	0.3
0187	0.8	0225	0.4
0188	0.7	0226	0.3
0189	0.6	0227	0.3
0190	0.8	0228	0.3
0191	1.1	0229	0.5
0192	1.3	0230	0.3
0193	0.7	0231	0.4
0194	1.6	0232	1.1
0195	0.3	0233	0.6
0196	1.8	0234	0.6
0197	5.2	0235	0.6
0198	3.8	0236	0.4
0199	1.1	0237	0.4
0200	2.1	0238	0.3
0201	4.5	0239	0.1
0202	12.2	0240	0.1
0203	1.5	0241	0.1
0204	0.6	0242	0.1
0205	1.8	0243	0.1
0206	0.5	0244	0.1
0207	0.5	0245	0.2
0208	0.6	0246	0.1
0209	0.5	0247	0.1
0210	0.7	0248	0.1
0211	0.6	0249	0.6
0212	0.5	0250	0.6
0213	0.6	0251	1.3
0214	1.6	0252	0.8
0215	0.9	0253	0.3
0216	0.5	0254	1.1
0217	0.6	0255	2.8
0218	0.6	0256	0.9
0219	0.6	0257	1.3
0220	0.7	0258	0.3
0221	1.0	0259	0.2
0222	0.3	0260	0.1

#A32

#A32

#A33

Results of file 85-134 are geochemical determinations.

Duncan Sanderson

ASSAY REPORT

TO: **Energex Minerals Ltd.**
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: 85-134A

DATE: August 13, 1985

ATTENTION: **B. Price cc. A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au g/tonne		Au g/tonne
0185	1.00	0223	0.40
0186	1.00	0224	0.30
0187	7.80	0225	0.40
0188	1.00	0226	0.30
0189	0.80	0227	0.50
0190	2.60	0228	0.40
0191	2.80	0229	3.10
0192	6.90	0230	1.70
0193	4.75	0231	1.50
0194	13.20	0232	1.30
0195	3.50	0233	0.70
0196	26.90	0234	1.30
0197	102.5	0235	6.90
0198	10.50	0236	0.60
0199	2.20	0237	0.50
0200	1.80	0238	0.30
0201	4.40	0239	<0.05
0202	61.60	0240	<0.05
0203	2.30	0241	<0.05
0204	0.60	0242	<0.05
0205	1.90	0243	0.15
0206	1.30	0244	<0.05
0207	1.00	0245	<0.05
0208	1.15	0246	<0.05
0209	0.60	0247	<0.05
0210	1.20	0248	0.10
0211	0.75	0249	1.10
0212	0.50	0250	0.80
0213	0.60	0251	0.70
0214	1.50	0252	0.40
0215	1.60	0253	0.50
0216	0.60	0254	0.10
0217	1.30	0255	0.60
0218	1.60	0256	1.40
0219	1.50	0257	0.10
0220	1.30	0258	<0.05
0221	1.90	0259	<0.05
0222	0.50	0260	<0.05

#A32 (bracketed next to samples 0185-0222)

#A33 (bracketed next to samples 0223-0260)

Results of file 85-134A are assays (fire assay, gravimetric finish).

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-142

DATE: August 20, 1985

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au ppb	Ag ppm
85-G-78	130	.3
85-G-79	100	.4
85-G-80	70	.4
85-G-81	50	.3
85-G-82	30	.3
85-G-83	240	1.6
85-G-84	60	1.2
B-157	50	.2
B-158	25	.7
B-161	180	1.8
B-162	110	.7

Ring zone

Results of file 85-142 are geochemical determinations:

Au: fire assay, AA.
 Ag: aqua regia digestion, AA.



Duncan Sandness.....

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: **85-147**

DATE: **August 21, 1985**

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: **A1 (036)**

Sample Description	Au ppb	Ag ppm
85-G-85	20	0.1
85-G-86	5	0.1
85-G-87	10	0.1
85-G-88	<5	0.1
85-G-89	30	0.2
85-G-90	25	0.2
85-G-91	5	3.0
85-G-92	<5	0.1
85-G-93	30	2.1
85-G-94	65	11.0
85-G-95	5	1.4
85-G-96	10	0.3
85-G-97	25	0.1
85-G-98	10	0.2
85-G-99	15	0.1
85-G-100	20	0.1

RING ZONE

Results of file 85-147 are geochemical determinations:

Au: fire assay, AA.

Ag: aqua regia digestion, AA.

Duncan Sanders

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-151

DATE: August 23, 1985

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
85-G-101	5	.1			
85-G-102	5	.1			
85-G-103	10	.2			
85-G-104	10	.2			
85-G-105	20	.9			
85-G-106	30	.4			
85-G-107	60	.6			
85-G-108	310	.7			
85-G-109	370	.5			
85-G-111	10	.1			
85-G-112	80	1.2			
85-G-113	120	.7			
85-G-114	40	.4			
85-G-115	40	.6			
85-G-116	20	.1			
85-G-110	<10	.1	18	8	102

*Ring
Zone*

Results of file 85-151 are geochemical determinations:

Au: fire assay, AA.

Ag,Cu,Pb,Zn: aqua regia digestion, AA.

✓

Duncan Sanderson

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-161

DATE: September 4, 1985

ATTENTION: **B. Price**

cc. **A.O. Birkland**

PROJECT: **A1 (036)**

Sample Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
85-G-117	10	2.0	32	14	92
85-G-118	5	0.2	12	11	70
85-G-119	} RING	0.2			
85-G-120		0.1			
85-G-121		30	0.4		
85-G-123		5	0.2		
85-G-124		5	0.2		
17061		0.3			
17062		0.5			
17063		0.3			
17064		0.5			
17065	} TRASS-11 Hub	1.2			
17066		0.3			
17067		1.3			
17068		2.0			
17069		0.4			

Results of file 85-161 are geochemical determinations:

Au: fire assay, AA.

Ag,Cu,Pb,Zn: aqua regia digestion, AA.

Duncan Sanderson

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-166

DATE: September 6, 1985

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au ppb	Ag ppm
85-G-125	40	0.4
85-G-126	2080	0.4
85-G-127	25	0.2
85-G-128	30	0.8
85-G-129	70	7.8
85-G-130	760	0.6
85-G-131	1210	0.7
85-G-132	110	0.3

STEVE'S ZONE

Results of file 85-166 are geochemical determinations:

- Au: fire assay, AA.
- Ag: aqua regia digestion, AA.

Duncan Anderson

ASSAY REPORT

TO: **Energex Minerals Ltd.**
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: **85-166A**

DATE: **September 6, 1985**

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: **A1 (036)**

Sample Description	Au g/tonne	
85-G-126	2.80	
85-G-131	1.20	<i>STEVE'S ZONE</i>
Results of file 85-166A are assays: Au: fire assay, gravimetric finish.		

Rejects retained one month,
pulp one year, unless
specific arrangements made.

Duncan Sandison
Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-175

DATE: September 13, 1985

ATTENTION: B. Price cc. A.O. Birkland

PROJECT: A1 / Steve & Patti

Sample Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
85-G-133	50	.1	8	38	22
85-G-134 <i>GEROME</i>	30	.9	12	12	72
85-G-135	410				
85-G-136	540				
85-G-137 <i>PATTI</i>	3150				
85-G-138 <i>ZONE</i>	1000				
85-G-139	4800				
85-G-140	>10000				
85-G-141	310				
85-G-142	320				
85-G-143 <i>STEVE</i>	270				
85-G-144	3600				
85-G-145	370				
85-G-146	1620				
85-G-147	330				
85-G-148	60				
85-G-149	40				
85-G-150	40				
85-G-151	40				
85-G-152 <i>PATTI</i>	15				
85-G-153 <i>ZONE</i>	1000				
85-G-154	820				
85-G-155	260				
85-G-156	60				
85-G-157	5				

Results of file 85-175 are geochemical determinations:

Au: fire assay, AA.

Ag,Cu,Pb,Zn: aqua regia digestion, AA.

Duncan Sandus

ASSAY REPORT

TO: **Energex Minerals Ltd.**
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: **85-175A**

DATE: **September 13, 1985**

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: **A1 / Steve & Pattie**

Sample Description	Au g/tonne
85-G-137	2.90
85-G-138	1.20
85-G-139 } PATTI	5.05
85-G-140	58.50
85-G-144	3.75
85-G-146	1.80

Results of file 85-175A are assays:
Au: fire assay, gravimetric finish.

Projects retained one month,
pulp one year, unless
specific arrangements made.

A. Sanderson
Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-176

DATE: September 13, 1985

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au ppb	Ag ppm
85-B-221	5	
85-B-222	5	5.0
85-B-223	660	>100
85-B-224	5	1.7
85-B-225	5	1.3
85-B-226	220	.5
85-B-230	10	1.7
85-B-231	5	1.4
85-B-243	30	.5
85-B-244	5	.1
85-B-245	5	.7
85-B-246	5	.1
85-B-247	5	2.4
85-B-248	10	.5
85-B-249	5	1.6
85-B-250	20	
85-B-251	2350	
85-B-253	30	
85-B-254	370	
85-B-256	570	
85-B-257	5	
85-B-258	5	
85-B-259	5	
85-B-260	5	
85-B-261	5	
85-B-262	95	
85-B-263	60	
85-B-264	3200	
85-B-265	70	
85-B-266	50	
85-B-267	1020	
85-B-268	430	
85-B-269	10	
85-B-270	5	
85-B-271	120	
85-B-272	250	
85-B-273	60	
85-B-274	20	
85-B-275	50	

GERDHE CLAIM

PATTI ZONE

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Duncan Sandison

GEOCHEMICAL REPORT

Sample Description	Au ppb	Ag ppm
85-B-227	5	.1
85-B-228	5	.1
85-B-229*	5	.3
85-B-232	5	.2
85-B-233*	10	.1
85-B-234	5	.2
85-B-235	5	.2
85-B-236	5	.1
85-B-237	5	.1
85-B-238*	5	.2
85-B-239*	5	.1
85-B-240*	30	.3
85-B-241	5	.2
85-B-242	5	.2
85-B-252 - <i>PATT ZONE</i>	65	

Results of file 85-176 are geochemical determinations:

Au: fire assay, AA.

Ag: aqua regia digestion, AA.

- * indicates that, due to insufficient -80 fraction, the -40 size fraction was used for the analyses.

Duncan Sanderson

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-176A

DATE: September 13, 1985

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au g/tonne	Ag g/tonne
85-B-223-GEROME		164
85-B-251 } PARTI	2.20	
85-B-264 } ZONE	3.90	
85-B-267 }	1.00	
<p>Results of file 85-176A are assays: Au: fire assay, gravimetric finish. Ag: aqua regia digestion, AA.</p>		

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Quinn Sandison
 Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-182

DATE: September 18, 1985

ATTENTION: B. Price

cc. A.O. Birkland

PROJECT: A1 (036)

Sample Description	Au ppb
85-G-158	5
85-G-159	4100
85-G-160	640
85-G-161	35
85-G-162	630
85-G-164	10
85-G-165	75
85-G-166	580
85-G-167	50
85-G-168	120
85-G-169	410
85-G-170	250
85-G-172	1380
85-G-173	310
85-G-174	1220
85-G-175	1500
85-G-176	660
85-G-177	410
85-G-178	1220
85-G-179	180
85-G-180	80

Results of file 85-182 are geochemical determinations:
 Au: fire assay, AA.

Duncan Sanderson

ASSAY REPORT

TO: **Energex Minerals Ltd.**
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: **85-182A**

DATE: **September 18, 1985**

ATTENTION: **B. Price** **cc. A.O. Birkland**

PROJECT: **A1 (036)**

Sample Description	Au g/tonne
85-G-171 - <i>BOWANZA</i>	12.00
85-G-159 - <i>PATTI</i>	3.80
85-G-172 } <i>BLOCKS</i>	1.20
85-G-174 } <i>BLOCKS</i>	1.40
85-G-175 } <i>BLOCKS</i>	1.20
85-G-178 } <i>BLOCKS</i>	1.00

Results of file 85-182A are assays:
Au: fire assay, gravimetric finish.

Rejects retained one month,
pulp one year, unless
specific arrangements made.

Duncan Sanderson
.....
Certified Assayer of British Columbia

GEOCHEMICAL REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-183

DATE: September 25, 1985

ATTENTION: **B. Price** cc. **A.O. Birkland**

PROJECT: A1 (036)

Sample Description	Au ppb		Au ppb	
85-ET-1	5	"E" Zone	85-B-308 - TR#11	25
85-ET-2	170		85-B-309 - TR#10	20
85-ET-3 } TRE3	350		85-B-310	60
85-ET-4	240		85-B-311	40
85-ET-5	45		85-B-312	65
85-ET-6	60		85-B-313 } TR#12	80
85-ET-7 } TRE2	10		85-B-314	10
85-ET-8	10		85-B-315	90
85-ET-9 } TRE4	120		85-B-316	55
85-ET-10	60		85-B-318	10
85-B-278	55	85-B-319	80	RING ZONE
85-B-279	15	85-B-320	70	
85-B-280	10	85-B-321	190	
85-B-281	5	85-B-322	60	
85-B-282 } RING TR#1	5	85-B-323 } TR#13	1600	
85-B-283	5	85-B-324	145	
85-B-284	10	85-B-325	140	
85-B-285	30	85-B-326	30	
85-B-286	15	85-B-327 - TR#14	5	
85-B-287	30	85-B-328 } TR#15	20	
85-B-288	5	85-B-329	75	
85-B-289	20	85-G-181	130	RING
85-B-290	30	85-G-182	1350	
85-B-291 } RING TR#2	10	85-G-183 } BV South	300	
85-B-292	35	85-G-184	130	
85-B-293	50	85-G-185	350	
85-B-294	125	85-G-186	690	
85-B-295	70	85-G-187 - TR#7	20	
85-B-296 } RING TR#4	1000	85-G-188	10	
85-B-297	20	85-G-189	10	
85-B-298	55	85-G-190	20	
85-B-299 } TR#3	390	85-G-191 } TR#9	5	"P" zone Thesis I area (east)
85-B-300	15	85-G-192	5	
85-B-301 } TR#5	5	85-G-193	5	
85-B-302	10	85-G-194	10	
85-B-303 - TR#3	55	85-G-195	5	
85-B-304 } TR#8	5	85-G-196	5	
85-B-305	20	85-G-197 } TR#8	240	
85-B-306	10	85-G-198	190	
85-B-307 - TR#11	80	85-G-199	260	

Quinn... Sanderson.....

GEOCHEMICAL REPORT

Sample Description	Au ppb
85-G-200 - TR#P6	55
85-G-201 } TR#P6	25
85-G-202 } TR#P6	5
85-G-203 } TR#P6	35
85-G-204 } TR#P6	50
85-G-205 } TR#P5	5
85-G-206 } TR#P5	20
85-G-207 } TR#P5	5
85-G-208 } TR#P5A	5
85-G-209 } TR#P5A	5
85-G-210 } TR#P4	5
85-G-211 } TR#P4	5
85-G-212 } TR#P4	5
85-G-213 } TR#P4	5

"P" zone
 TR#SIS I
 (east)

Results of file 85-183 are geochemical determinations:
 Au: fire assay, AA.

Duncan... Sanderson.....

ASSAY REPORT

TO: Energex Minerals Ltd.
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-210

DATE: December 7, 1985

ATTENTION: A. O. Birkeland

PROJECT:

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
15101	1.27	1.30
15102	1.20	1.30
15103	1.40	1.40
15104	2.00	1.90
15105	2.07	2.60
15106	9.00	9.60
15107	1.40	4.50
15108	0.87	1.00
15109	7.20	7.40
15110	12.00	8.50
15111	1.33	1.20
15112	2.00	2.30
15131	0.80	4.00
15148	2.00	2.40
15149	2.20	3.00
15150	4.00	2.70
15151	1.73	2.00
15152	1.50	1.50
15153	1.40	1.50
15154	1.00	0.90
15155	1.07	1.10
15156	1.87	1.90
15157	1.73	1.80
15158	2.07	2.05
15159	3.13	2.90
15160	1.13	1.70
15161	1.00	0.90
15162	0.47	0.20
15163	0.60	0.30
15164	2.60	2.30
15165	9.93	9.00
15166	26.63	14.60
15167	9.33	9.80
15168	1.47	0.70
15169	4.20	4.50
15170	17.73	13.40
15171	1.27	0.80
15172	2.00	1.60
15173	1.13	0.40
15174	1.53	1.60

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sanderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
15298	1.13	0.60
15299	0.93	0.80
15300	8.20	8.20
15301	11.53	11.60
15302	45.93	4.00
15303	6.20	7.40
15304	9.66	9.60
15305	6.27	4.60
15306	3.73	4.30
15307	5.80	6.20
15308	2.80	2.50
15309	1.60	2.00
15310	2.87	2.90
15311	3.40	3.40
15312	2.13	2.10
15313	2.93	2.20
15314	3.07	2.80
15315	41.53	42.90
15316	11.13	7.50
15317	2.47	2.60
15318	1.53	1.60
15319	1.07	1.60
15320	1.67	1.80
15321	0.20	<0.05
15322	0.33	0.10
15323	0.83	0.60
15324	0.40	0.20
15325	1.40	1.10
15327	0.33	0.20
15328	0.67	1.20
15329	0.73	0.90
15330	0.30	0.20
15337	1.07	0.80
15338	2.67	2.50
15339	3.13	3.20
15340	2.33	2.50
15341	1.73	1.90
15342	0.40	0.30
15360	0.13	0.40
15361	0.13	0.25
15362	0.13	1.75
15363	0.87	0.80
15364	1.47	4.40
15365	0.73	1.05
15366	0.47	0.80
15367	2.07	3.35
5368	1.73	2.80
15369	2.20	2.95
15370	0.80	1.20
15175	1.07	0.95

Duncan Anderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
15176	1.53	1.35
15177	1.60	1.20
15178	4.20	3.35
15179	2.07	1.60
15180	1.27	0.95
15181	1.20	1.05
15182	1.40	1.20
15183	0.60	0.55
15184	0.53	0.95
15185	0.67	0.95
15186	0.60	0.80
15187	0.40	0.55
15188	0.53	0.65
15189	0.47	0.55
15190	0.33	0.40
15191	0.40	0.40
15192	0.27	0.40
15193	0.27	0.05
15194	0.20	0.10
15195	0.47	0.25
15196	0.73	0.65
15197	1.73	2.40
15198	35.33	47.49
15199	0.40	0.40
15200	0.60	0.80
15201	0.73	2.95
15202	0.73	0.80
15203	0.73	0.80
15205	1.53	1.75
15206	0.93	0.65
15207	0.47	0.65
15208	0.67	0.55
15209	0.40	0.55
15210	0.33	0.55
15211	0.33	0.55
15212	0.33	0.40
15214	2.20	2.65
15245	1.00	1.05
15246	1.13	1.45
15247	1.13	0.80
15248	2.13	2.25
15249	17.73	18.15
15250	27.86	18.00
15251	7.80	7.45
15252	1.33	1.45
15253	0.40	0.40
15254	1.20	1.60
15255	1.73	1.45
15256	15.00	7.20
15257	18.13	10.94

Duncan S. Anderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
15258	1.40	1.45
15259	1.13	1.35
15260	1.73	1.85
15272	2.27	2.95
15273	1.47	1.35
15274	1.20	1.05
15275	0.87	1.35
15276	1.33	1.75
15277	1.60	1.20
15278	1.33	1.35
15279	1.47	1.05
15280	2.67	1.85
13501	0.67	0.55
13502	1.00	0.80
13503	0.33	0.55
13504	0.27	0.15
13505	1.27	1.05
13506	1.47	1.35
13507	1.73	1.75
13508	1.33	1.20
13509	0.27	0.15
13510	0.13	<0.05
13511	0.20	0.25
13512	1.40	3.60
13513	2.47	2.40
13514	1.13	0.95
13515	1.07	1.75
13516	1.87	1.60
13517	1.53	1.60
13518	1.20	1.20
13523	1.13	2.80
13524	1.93	2.00
13525	1.60	1.35
13526	1.27	0.95
13527	1.73	1.35
13528	0.60	0.55
13529	0.93	0.65
13530	1.47	1.60
13531	0.47	0.40
13532	0.93	1.05
13533	4.40	<0.05
13534	0.33	0.15
13535	2.40	2.25
13536	3.33	3.35
13537	0.60	0.55
13538	1.00	0.95
13539	1.80	0.80
13540	2.27	1.60
13541	1.13	0.65
13542	3.40	3.75

Duncan S. Sanders
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
13543	3.07	2.75
13544	5.00	6.20
13545	5.40	5.45
13546	3.00	2.55
13547	7.86	7.35
13548	1.93	2.25
13549	3.53	3.75
13550	6.53	3.05
13551	0.67	2.40
13552	5.20	3.45
13553	3.53	4.00
13554	0.67	0.95
13555	1.20	1.45
13557	1.33	2.15
13558	0.40	0.80
13559	0.27	1.20
13560	0.03	0.25
13561	0.33	0.95
13562	8.67	11.75
13563	1.00	1.05
13564	2.00	1.85
13565	1.53	1.75
13566	1.87	1.85
13567	2.13	2.40
13568	3.87	3.85
13569	1.93	2.00
13570	0.80	1.35
13571	0.87	1.05
13572	1.20	1.35
13573	4.13	4.65
13574	1.27	1.75
13575	1.60	1.87
13589	1.13	1.20
13590	0.53	0.40
13591	0.53	0.40
13592	0.93	0.80
13593	1.13	1.20
13594	1.87	1.75
13595	0.93	0.95
13596	1.53	1.75
13597	1.13	1.05
13598	2.47	2.25
13599	1.67	1.75
13600	0.07	0.15
13601	0.93	0.95
13602	2.07	2.00
13603	0.60	0.80
13604	1.33	1.35
13605	1.20	0.65
13607	0.93	1.05

Duncan Sanderson
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
13608	0.33	0.55
13609	0.87	1.20
13610	1.27	1.35
13611	1.67	1.60
13612	1.67	1.85
13613	1.53	1.35
13614	1.53	1.45
13615	1.27	1.45
13616	6.20	6.25
13617	1.33	1.05
13618	0.40	0.40
13619	0.67	2.65
13620	9.73	8.95
13621	1.67	1.20
13622	2.60	3.75
13623	4.93	6.00
13624	25.46	28.15
13625	28.86	31.08
13626	20.00	13.67
13629	9.46	2.40
13630	3.73	2.80
13631	2.40	2.55
13632	2.73	3.05
13633	3.67	3.85
13634	12.26	9.05
13635	5.87	3.45
13636	2.47	2.65
13637	11.13	10.95
13638	8.53	8.95
13639	0.40	0.80
13640	3.00	2.55
13641	0.60	1.20
13642	7.00	7.85
13643	1.73	2.55
13644	4.00	4.15
13645	0.87	1.05
15261	4.00	4.95
15262	1.67	1.05
15263	4.40	4.25
15264	11.50	13.05
15265	17.20	25.60
15266	1.80	2.80
15268	3.00	1.75
15269	1.27	1.20
15270	4.67	6.55
15271	4.07	5.85

Duncan Sandhu
 Certified Assayer of British Columbia

CDN RESOURCE LABORATORIES LTD.

#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

ASSAY REPORT

TO: Energex Minerals Ltd.
#703, 850 West Hastings
Vancouver, B.C.
V6C 1E1

FILE NO.: 85-217A

DATE: December 30, 1985

ATTENTION: A.O. Birkeland

PROJECT:

Sample Description	Reject Assay Au (g/tonne)	Reassay of Reject Au (g/tonne)	Initial Assay Au (g/tonne)	low Znd	Hi Znd
15110 A ₁	12.00	15	18.00	8.50	x
15166 A ₂	26.63	14.4 22.87	19.10	14.60	x
15170 A ₂	17.73	17.4	21.06	13.40	x
15302 A ₄	45.93	40.83	47.73	4.00	x
15316 A ₄	11.13	12.0	12.86	7.50	x
15198 A ₂	36.46		35.33	47.49	x
15250 A ₃	27.20	27.53	27.86	18.00	x
15256 A ₃	17.23	16.12	15.00	7.20	x
15257 A ₃	16.60	17.37	18.13	10.94	x
13562 A ₈	8.67		7.93	11.75	x
13624 A ₁₀	25.46		25.93	28.15	x
13626 A ₁₀	20.00		24.86	13.67	x
13629 A ₁₀	9.46		10.60	2.40	x
13634 A ₁₀	12.26		12.33	9.05	x
15264 A ₃	11.50		10.97	13.05	y
15265 A ₃	17.20		17.50	25.60	x
15-G-140 PaHi	40.73		38.93	58.50	x
13711 A ₁₄	26.06		25.60	15.45	x
13720 A ₁₅	4.60		4.50	-16.95	x
13771 A ₁₉	13.73		13.70	11.47	x
13790 A ₂₀	14.67		14.90	21.20	x
0048 A ₃₀	12.73		11.00	17.80	13.84
0054 A ₃₀	16.73		14.70	10.40	13.84 13.94
0055 A ₃₀	35.73		23.80	21.80	27.11
0063 A ₃₀	28.60		16.00	32.40	25.67
0067 A ₃₀	190.1		153.8	163.8	169.23
0068 A ₃₀	229.9		199.5	144.0	191.13
0069 A ₃₀	37.52		19.40	23.50	20.81
0070 A ₃₀	140.7		115.3	189.5	148.5
0077 A ₃₀	6.33		6.60	20.30	11.08
0078 A ₃₀	56.39		48.80	8.10	37.76
0080 A ₃₀	8.13		6.30	10.25	8.23
0085 A ₃₀	12.80		11.00	4.20	9.33
0122 A ₃₁	8.73		9.40	15.20	11.11
0192 A ₃₂	12.06		10.70	6.90	9.89
0194 A ₃₂	6.00		4.80	13.20	7.0
0196 A ₃₂	21.60		13.60	26.90	20.7
0197 A ₃₂	41.16		56.90	102.5	66.85
0198 A ₃₂	7.73		5.00	10.50	7.74
0235 A ₃₂	20.80		9.30	6.90	12.33

Rejects retained one month,
pulp one year, unless
specific arrangements made.

Duncan Sanderson
.....
Certified Assayer of British Columbia

CDN RESOURCE LABORATORIES LTD.
 #8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

ASSAY REPORT

TO: **Energex Minerals Ltd.**
 #703, 850 West Hastings
 Vancouver, B.C.
 V6C 1E1

FILE NO.: 85-217

DATE: December 27, 1985

ATTENTION: **A. O. Birkeland**

PROJECT:

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)	Low 2nd assay
13724	0.26	0.40	
13725	0.77	1.05	
13726	6.80	6.95	
13727	0.20	0.25	
13728	2.13	2.80	
13729	2.33	2.95	
13730	1.20	1.60	
13731	4.13	4.25	
13738	0.23	0.25	
13739	7.00	8.67	
13740	6.40	6.40	
13741	5.93	5.75	
13742	1.00	1.05	
13743	0.17	0.80	
13760	18.53	18.15	
13761	3.13	2.95	
13762	0.27	0.40	
13763	2.53	2.55	
13656	2.07	2.00	
13657	1.27	1.45	
13658	1.13	1.25	
13659	0.13	0.15	
13660	0.60	0.55	
13661	3.00	3.85	x
13668	1.00	0.80	
13669	0.53	0.60	
13670	1.47	1.35	
13671	1.47	1.60	
13672	1.47	1.35	
13673	1.07	0.80	
13674	0.80	1.60	x
13675	2.27	2.55	
13676	3.33	3.45	
13677	4.07	4.40	x
13678	2.40	2.55	
13679	1.03	1.05	
13680	1.20	0.95	
13689	0.47	0.25	
13690	7.40 VG	9.05	x
13691	5.14	7.75	x

Rejects retained one month,
 pulps one year, unless
 specific arrangements made.

Duncan Sandness
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)	high 2nd assay	low 2nd assay
13692	0.33	0.25		
13693	2.00	2.15		
13694	0.27	0.25		
13695	0.53	0.55		
13696	0.03	<0.05		
13697	0.90	1.05		
13698	1.50	1.75		
13699	17.46	17.75		
13700	8.96	8.40		
13701	0.20	1.05		
13702	0.70	1.05		
13703	2.53	2.55		
13706	2.83	3.60		
13708	0.47	0.55		
13709	5.00	5.20		
13710	17.00	17.20		
13711	26.06	15.45	x	
13712	1.60	1.35		
13713	0.27	0.25		
13714	0.20	0.15		
13716	0.13	0.15		
13717	0.27	0.55		
13718	0.87	1.05		
13719	1.27	1.20		
13720	4.60	16.95		x
13721	6.48	3.20	x	
13722	1.60	1.85		
13723	2.20	1.60		
13768	0.40	0.40		
13769	7.13	6.00	x	
13770	21.40	21.33	y	
13771	13.73	11.47		y
13772	1.13	2.00		
13773	1.07	1.20		
13774	2.60	3.33		x
13775	6.18	4.27	x	
13776	15.80	16.27		
13777	5.33	4.80		
13778	0.60	0.67		
13779	3.07	2.67	x	
13780	4.87	5.47		x
13784	0.20	0.27		x
13785	1.00	1.47		
13786	0.80	0.93		
13787	0.70	1.20		x
13788	1.40	1.47		
3789	6.73	6.13		
13790	14.67	21.20		x
13791	0.67	0.53		
13792	0.60	0.93		

Duncan Sandison
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
13793	1.07	1.07
13794	5.67	5.20
13795	3.90	3.93
13796	0.47	0.53
13797	4.70	5.20
13798	0.10	0.10
13799	0.93	1.20
13800	0.73	1.07
13808	0.27	0.40
13809	4.40	4.93
13810	1.00	0.93
13811	5.80	4.80
13812	0.73	2.53
13813	0.33	0.80
13814	0.27	0.27
13815	1.00	0.80
13816	0.30	0.27
13817	0.33	1.60
13818	0.87	0.67
13819	0.80	0.80
13820	2.80	3.20
13821	2.93	2.93
13822	1.93	1.85
13829	1.00	1.20
13830	0.80	0.80
13831	0.93	0.95
13832	2.13	1.35
13867	0.53	0.40
13868	5.07	4.95
13869	26.46	26.00
13870	8.90 VG	6.65
13871	1.33	1.35
13872	2.53	2.40
13873	3.30	3.85
13874	2.93	3.60
13875	1.70	2.15
13876	1.93	1.45
13877	1.20	1.60
13878	1.00	0.95
13909	2.40	3.05
13910	1.27	1.35
13911	1.60	2.00
13912	4.60	3.95
13913	0.60	1.35
13919	0.93	1.05
13920	0.20	0.25
13921	0.80	1.05
13922	0.03	0.15
13923	<0.03	<0.05
13924	2.20	2.55

Duncan Sandness
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
13948	0.60	1.85
13949	2.93	3.05
13950	0.93	1.05
0001	3.80	3.60
0002	9.28	6.95
0003	2.47	4.15
0004	2.07	2.15
0005	6.27	6.80
0006	1.20	0.95
0011	1.27	1.35
0012	0.70	0.65
0013	0.10	0.15
0014	0.03	<0.05
0015	0.80	0.95
0016	3.27	3.35
0017	3.47	3.65
0018	1.73	1.95
0019	1.40	1.35
0020	1.47	1.45
0021	2.33	1.45
0022	4.20	4.80
0023	5.43	6.25
0024	3.73	3.85
0025	7.87	7.45
0026	3.43	2.00
0027	3.10	3.20
0028	2.27	2.15
0029	3.07	2.95
0030	4.93	4.65
0031	2.93	2.80
0032	3.00	1.85
0033	158.2 VG	129.3
0034	1.33	1.20
0035	1.60	1.75
0036	1.27	1.05
0037	1.67	1.60
0038	4.00	3.45
0039	5.83	5.75
0045	0.67	0.80
0046	0.90	0.80
0047	10.20	9.40
0048	12.73	17.80
0049	7.18	5.10
0050	8.20	7.25
0051	4.82	5.00
0052	5.33	6.20
0053	2.60	2.60
0054	16.73	10.40
0055	35.73	21.80
0056	1.33	1.10

Duncan Sandhu
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
0057	3.50	3.45
0058	1.87	2.00
0059	0.87	1.00
0060	2.20	2.70
0061	1.27	1.80
0062	2.00	2.80
0063	28.60	32.40
0064	4.13	5.00
0065	4.93	6.90
0066	5.07	5.00
0067	190.1	163.8
0068	229.9	144.0
0069	37.52	23.50
0070	140.7	189.5
0071	8.00	8.50
0072	6.27	7.10
0073	2.60	3.70
0074	1.03	1.15
0075	1.20	1.80
0076	0.50	8.70
0077	6.33	20.30
0078	56.39	8.10
0079	3.20	3.00
0080	8.13	10.25
0081	0.60	0.45
0082	0.67	0.40
0083	0.53	0.40
0084	0.83	0.90
0085	12.80	4.20
0086	1.50	4.40
0087	1.87	1.80
0088	1.93	2.60
0089	1.33	1.60
0090	1.27	1.70
0091	0.20	0.60
0092	0.47	0.70
0093	0.87	1.10
0105	0.73	1.80
0106	0.93	1.30
0107	1.20	1.10
0108	0.83	0.90
0109	0.53	0.90
0110	0.70	0.70
0111	1.13	0.10
0112	1.20	0.95
0113	1.20	1.45
0114	0.73	0.75
0115	0.90	0.90
0116	0.60	0.65
0117	0.93	0.90

Duncan Sandison
 Certified Assayer of British Columbia

ASSAY REPORT

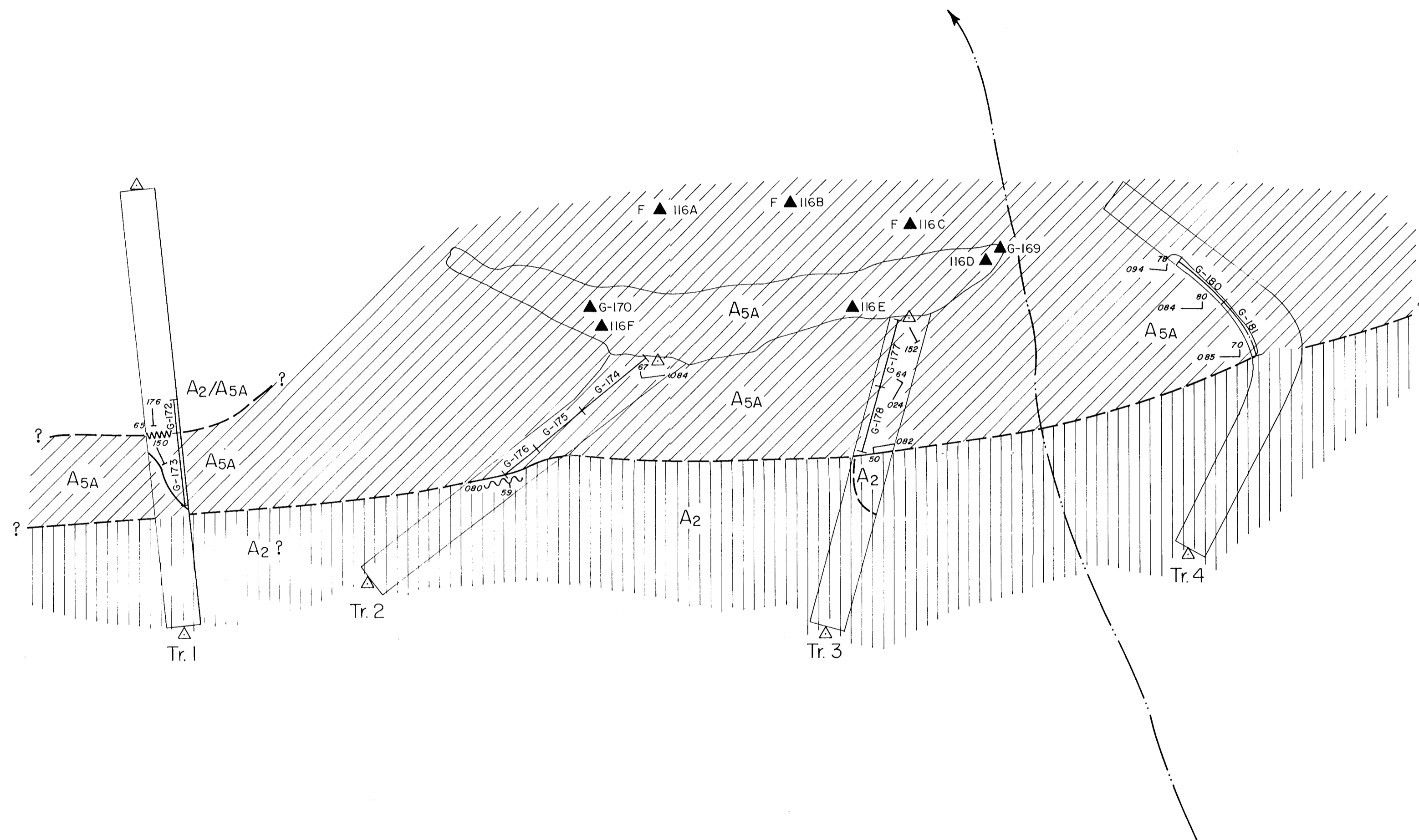
Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
0118	1.13	1.10
0119	2.40	2.40
0120	1.87	1.80
0121	2.07	1.90
0122	8.73	15.20
0123	2.13	2.10
0124	2.10	1.70
0125	1.47	1.40
0126	2.40	2.50
0127	2.47	2.40
0128	1.93	1.90
0129	1.93	2.50
0130	5.87	6.30
0131	4.87	5.00
0132	1.47	1.40
0133	3.73	2.80
0134	3.57	3.80
0135	2.07	2.40
0136	2.00	2.50
0137	1.40	1.40
0138	1.87	1.85
0139	1.33	1.50
0140	1.27	1.40
0141	0.60	0.70
0176	1.80	1.30
0177	1.63	1.30
0178	1.87	1.60
0179	0.67	0.70
0180	1.30	1.30
0181	1.13	1.10
0182	2.33	2.70
0183	1.27	1.40
0184	0.57	0.50
0185	1.27	1.00
0186	1.70	1.00
0187	8.53	7.80
0188	0.93	1.00
0189	0.80	0.80
0190	1.47	2.60
0191	1.47	2.80
0192	12.06	6.90
0193	5.27	4.75
0194	6.00	13.20
0195	1.17	3.50
0196	21.60	26.90
0197	41.16	102.5
0198	7.73	10.50
0199	0.87	2.20
0200	2.20	1.80
0201	3.73	4.40

Duncan... [Signature]
 Certified Assayer of British Columbia

ASSAY REPORT

Sample Description	Reject Assay Au (g/tonne)	Initial Assay Au (g/tonne)
0202	99.75 VG	61.60
0203	1.93	2.30
0204	0.63	0.60
0228	0.27	0.40
0229	0.87	3.10
0230	4.80	1.70
0231	1.00	1.50
0232	1.30	1.30
0233	0.67	0.70
0234	0.73	1.30
0235	20.80	6.90
0236	0.67	0.60
0274	3.00	2.70
16879	0.53	0.60
16880 A35	3.33	3.20
16881	9.73	9.50
16882	4.60	5.10
16883	1.20	1.30
16884	0.53	0.55
16885	1.10	1.25
16886	0.43	0.50
16887	0.73	2.00
16888 A35	0.60	3.00
16889	1.40	1.40
13849	0.27	1.45
13850	0.20	0.15
13851	1.00	1.35
13852	0.90	1.20
13853	0.20	0.15
13854	0.40	0.40
13855	0.40	0.65
13856	1.00	1.45
13857	0.67	1.35
13858	2.50	4.15
13859	0.93	1.05
13860	2.33	2.15
13648	0.87	0.80
13649	1.00	1.05
13650	1.40	1.45
13651	1.53	1.85
13652	3.47	3.85
13653	2.13	2.00
13654	1.60	1.35
13655	3.07	2.95

Duncan Sandison
 Certified Assayer of British Columbia



LEGEND

- A5A Complete Silicification
- A2 Argillization; includes up to 50% silica
- Geologic Contact (defined, approximate)
- Outcrop
- Chip Sample Location
- Grab Sample Location - 1985
- Grab Sample Location - 1982
- Float Sample Location - 1982
- Fault
- Fracture (inclined)
- Fracture (vertical)
- Picket - Survey Pending
- Backhoe Trench
- Stream

Filled trench - no bedrock

1985 SAMPLES			
SAMPLE	TYPE	WIDTH(m)	Au (g/tonne)
G-169	Grab	-	0.41
G-170	Grab	-	0.25
G-172	Chip	1.00	1.20
G-173	Chip	2.10	0.31
G-174	Chip	2.40	1.40
G-175	Chip	1.75	1.20
G-176	Chip	1.25	0.66
G-177	Chip	2.00	0.41
G-178	Chip	2.00	1.00
G-179	Chip	1.85	0.18
G-180	Chip	1.80	0.08
1982 SAMPLES			
JC-03-82-116A	Float	-	0.46
-116B	Float	-	2.90
-116C	Float	-	0.74
-116D	Grab	-	0.045
-116E	Grab	-	0.44
-116F	Grab	-	2.10

14,460
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

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 AL PROPERTY
 Bloss Zone Trenches
 Geology and Sample Locations

SCALE 1:5000

Date: _____
 Revised: _____
 Figure 6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,460



SHEET INDEX

37	38	39	40	41	42	36,500 N
36	35	34	33	32	31	34,000 N
25	26	27	28	29	30	31,500 N
24	23	22	21	20	19	29,000 N
13	14	15	16	17	18	26,500 N
12	11	10	9	8	7	24,000 N
1	2	3	4	5	6	21,500 N
						19,000 N

EACH SHEET 1:1000

21,500 N	U	V	W	X	Y
21,000 N	T	S	R	Q	P
20,500 N	K	L	M	N	O
20,000 N	J	I	H	G	F
19,500 N	A	B	C	D	E
19,000 N					

- LEGEND**
- Outcrop
 - - - Subcrop
 - ↗ ↘ Fracture, vertical, inclined
 - ↗ ↘ Fault
 - Creek
 - △ Sample location
 - A₈ Phyllic alteration
 - A₇ Silicification with pyrite
 - A₅ Silicification
 - A_{5A} Silicification with fractures or vugs
 - A_{5B} Silicification, massive
 - A₃ Propylitic alteration
 - A₂ Argillic alteration
 - A₁ Silicification - alunization
 - ba Barite
 - bi Biotite
 - fs Feldspar
 - he Hematite
 - li Limonite
 - py Pyrite
 - F Float
 - brx Breccia

SHEET NO. 23 - G

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MINERALS LTD

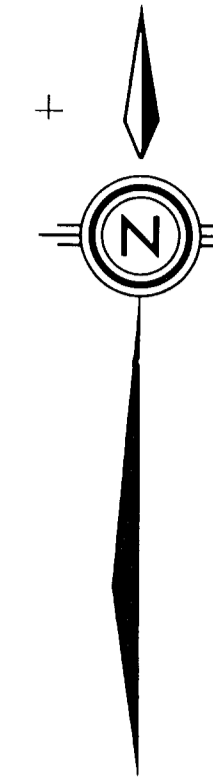
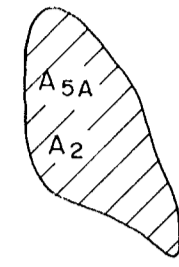
AL PROPERTY
GEOLOGICAL PLAN
PATTI ZONE

Scale: 1:1000

Date: November '85
Revised: NTS 94 E / 6 W Figure 7

19,000 E 19,100 E 19,200 E 19,300 E 19,400 E 19,500 E 19,600 E 19,700 E 19,800 E

27,100 N 27,200 N 27,300 N 27,400 N 27,500 N

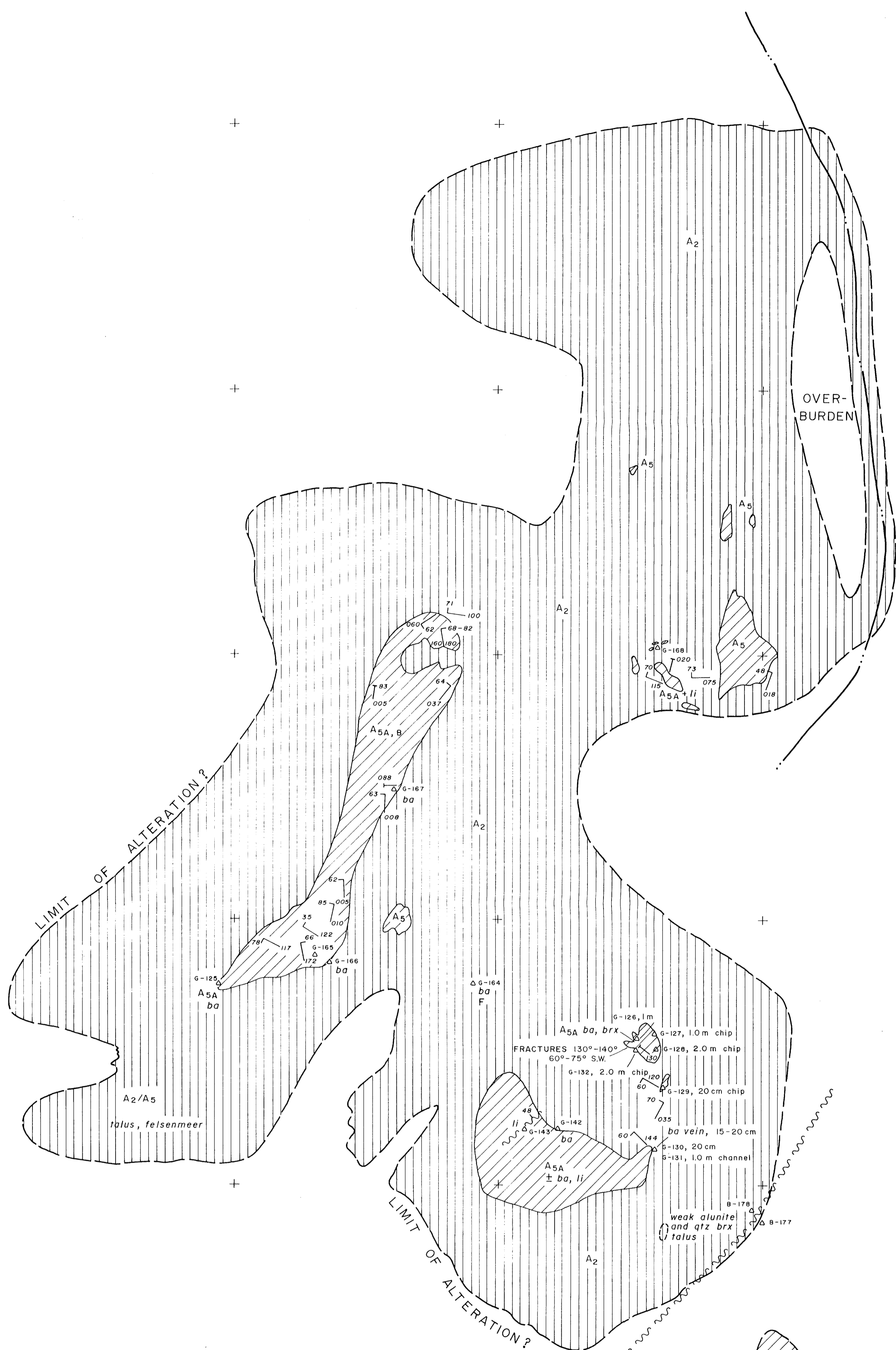


SHEET INDEX

37	38	39	40	41	42	36,300 N
36	35	34	33	32	31	34,000 N
25	26	27	28	29	30	31,500 N
24	23	22	21	20	19	29,000 N
13	14	15	16	17	18	26,500 N
12	11	10	9	8	7	24,000 N
1	2	3	4	5	6	21,500 N
						19,000 N

EACH SHEET 1:1000

21,500 N	U	V	W	X	Y
21,000 N	T	S	R	Q	P
20,500 N	K	L	M	N	O
20,000 N	J	I	H	G	F
19,500 N	A	B	C	D	E
19,000 N					



LEGEND

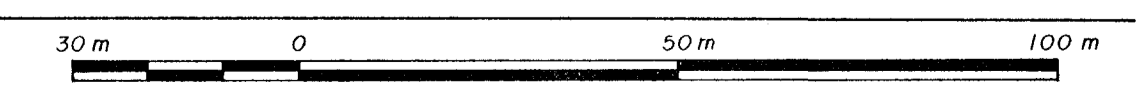
- Outcrop
- Subcrop
- Fracture; vertical, inclined
- Fault
- Creek
- Sample location
- A₈ Phyllic alteration
- A₇ Silicification with pyrite
- A₅ Silicification
- A_{5A} Silicification with fractures or vugs
- A_{5B} Silicification, massive
- A₃ Propylitic alteration
- A₂ Argillic alteration
- A₁ Silicification - alunization
- ba Barite
- bi Blotite
- fs Feldspar
- he Hematite
- li Limonite
- py Pyrite
- F Float
- brx Breccia

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

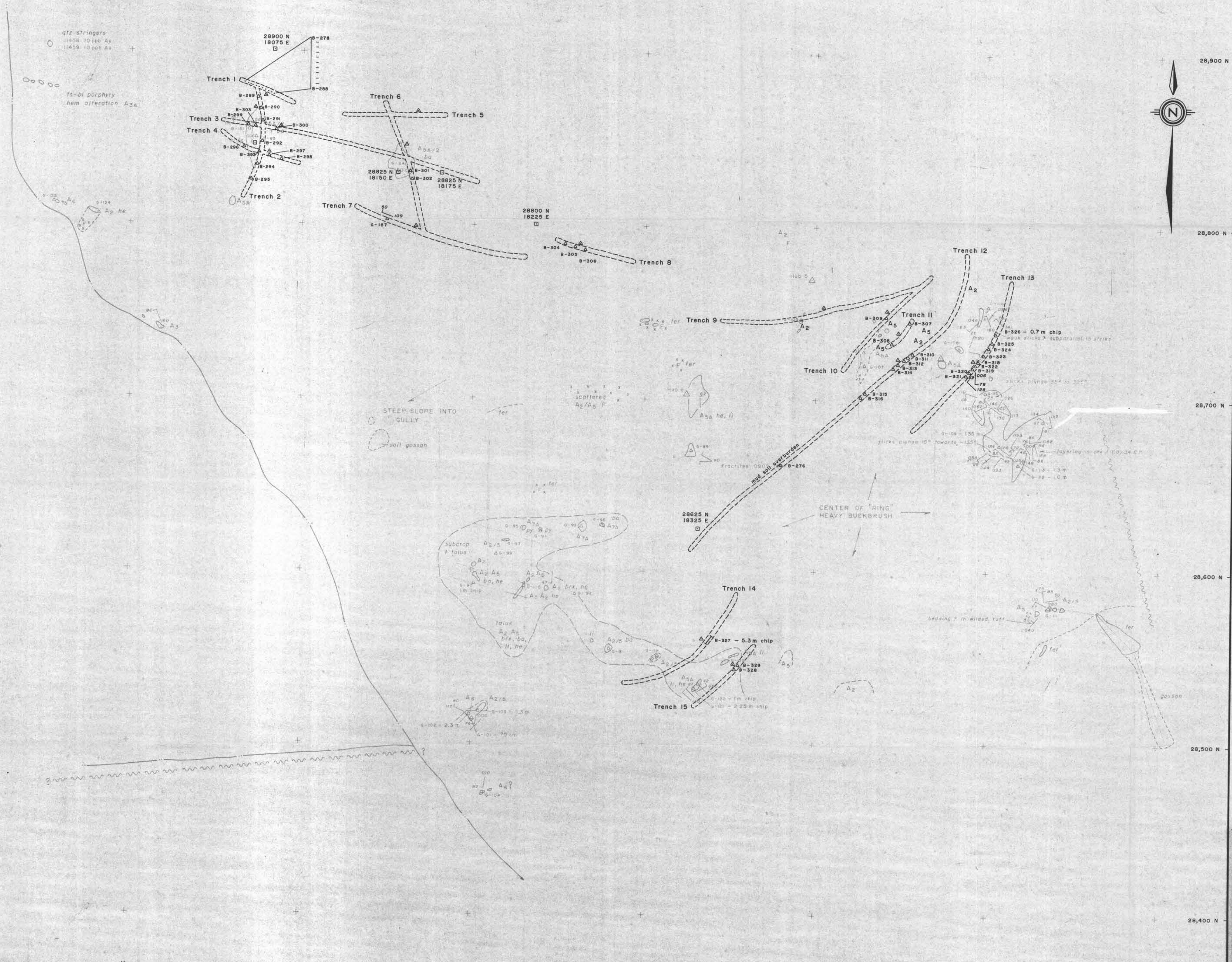
14,460

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MINERALS LTD.**

AL PROPERTY
GEOLOGICAL PLAN
STEVE'S ZONE



Date: December 1985
Revised: NTS: 94 E/6 W Figure: 8



SHEET INDEX

12,800 E	17,000 E	18,000 E	19,000 E	20,000 E	21,000 E	22,000 E	23,000 E	24,000 E	25,000 E	26,000 E	27,000 E	28,000 E	29,000 E	30,000 E
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51

EACH SHEET 1:5000

21,500 N	U	V	W	X	Y
21,000 N	T	S	R	Q	P
20,500 N	K	L	M	N	D
20,000 N	J	I	H	G	F
19,500 N	A	B	C	D	E

LEGEND

- Outcrop
- Trench
- Fracture; vertical, inclined
- Fault
- Creek
- Sample location
- A₈** Phyllic alteration
- A₇** Silicification with pyrite
- A₆** Silicification
- A_{5A}** Silicification with fractures or vugs
- A_{5B}** Silicification, massive
- A₃** Propylitic alteration
- A₂** Argillic alteration
- A₁** Silicification - alunization
- ba** Barite
- bl** Biotite
- fs** Feldspar
- he** Hematite
- ll** Limonite
- py** Pyrite
- F** Float
- brx** Breccia
- Picket

GEOLOGICAL BRANCH ASSESSMENT REPORT

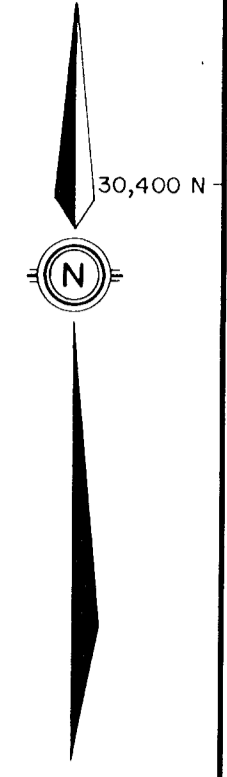
SHEET 23-23-23 W

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AL PROPERTY
TRENCH & SAMPLE LOCATIONS
RING ZONE

30 m 0 50 m 100 m
Scale 1:1,000

Date December 1985
Revised NTS: 94 E / 6 W Figure 9



SHEET INDEX

37	38	39	40	41	42	36,500 N
36	35	34	33	32	31	34,000 N
25	26	27	28	29	30	31,500 N
24	23	22	21	20	19	29,000 N
13	14	15	16	17	18	26,500 N
12	11	10	9	8	7	24,000 N
1	2	3	4	5	6	21,500 N

EACH SHEET 1:5000

U	V	W	X	Y
T	S	R	Q	P
K	L	M	N	O
J	I	H	G	F
A	B	C	D	E

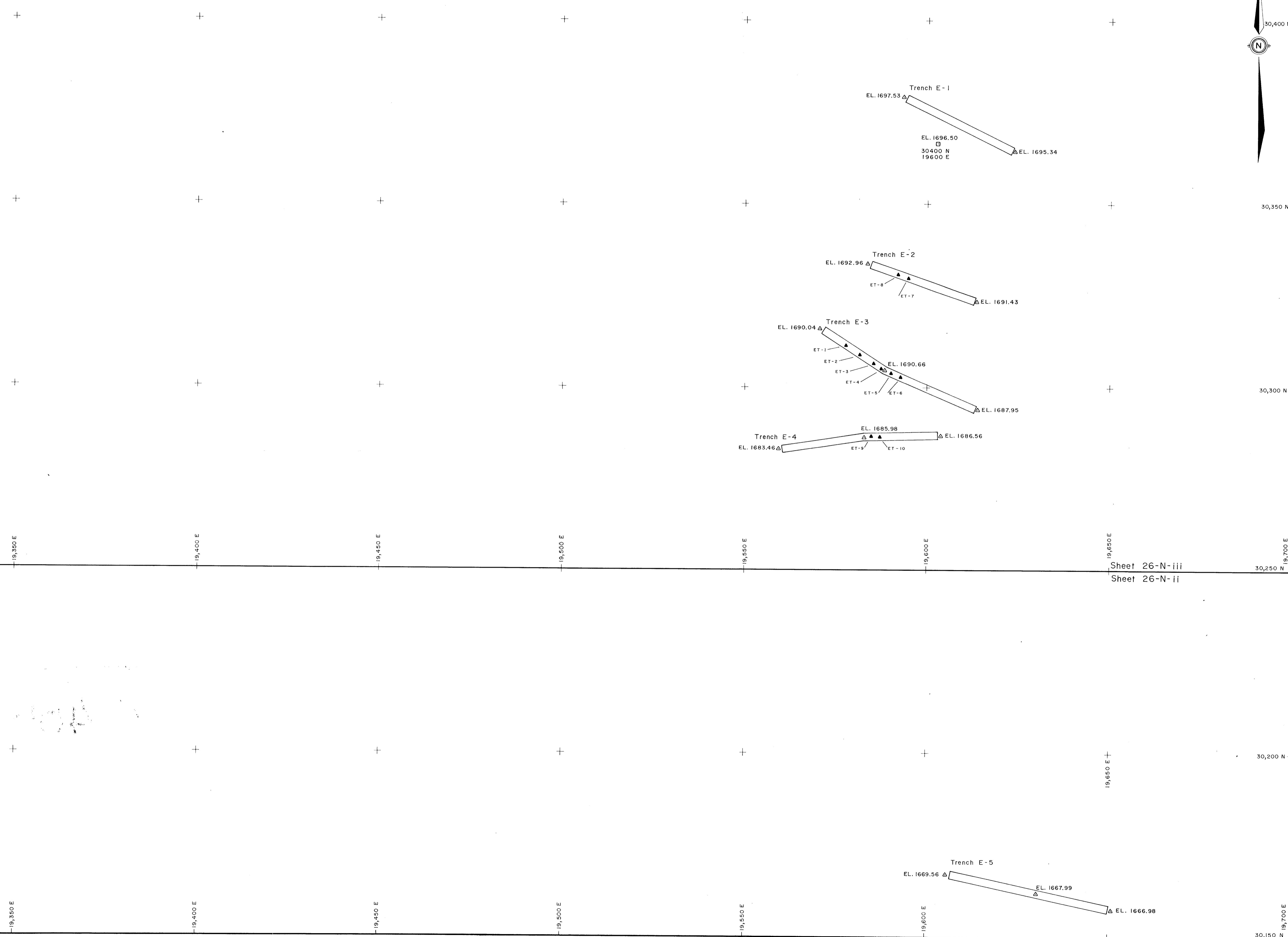
EACH SHEET 1:1000

IV	III
I	II

EACH SHEET 1:500

LEGEND

- Trench E-1
- △ Trench located by survey
- EL. 1629.73 △ Point elevation in metres
- △ Backhoe trench
- ▲ Grab sample location
- ET-8



Sheet 26-N-iii
Sheet 26-N-ii

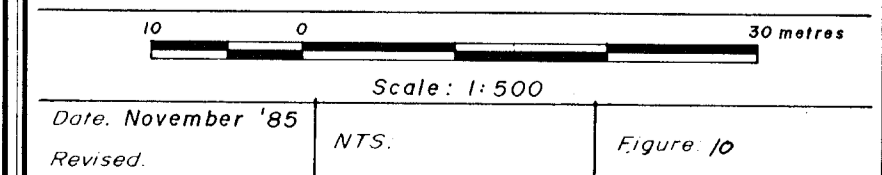
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

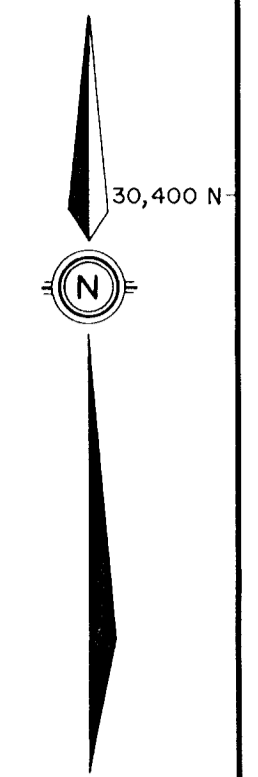
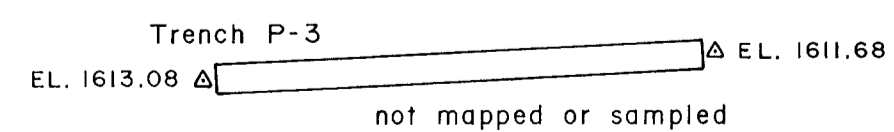
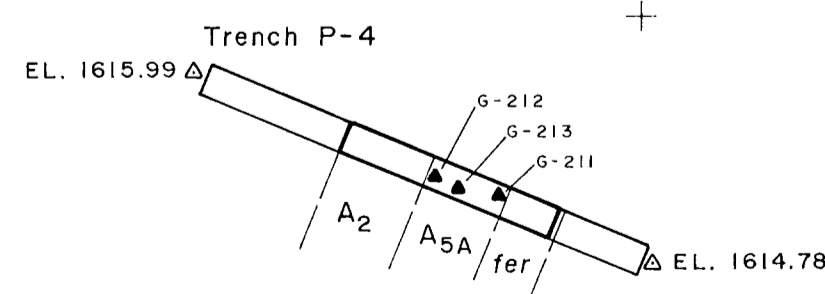
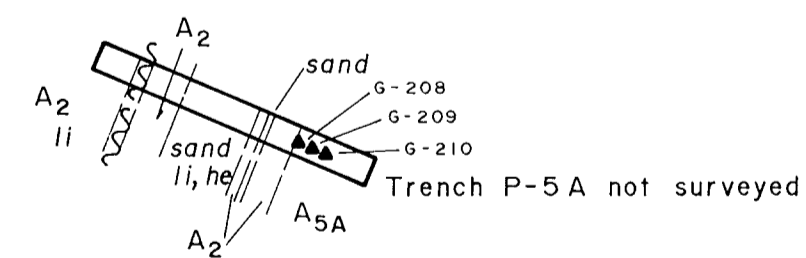
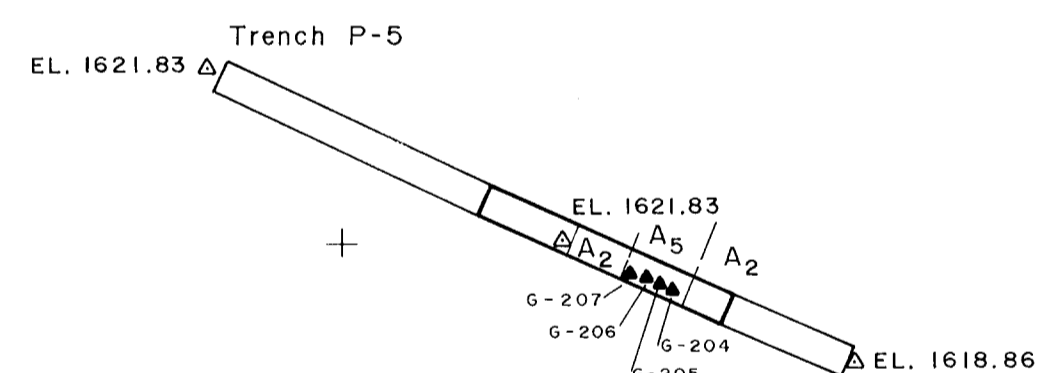
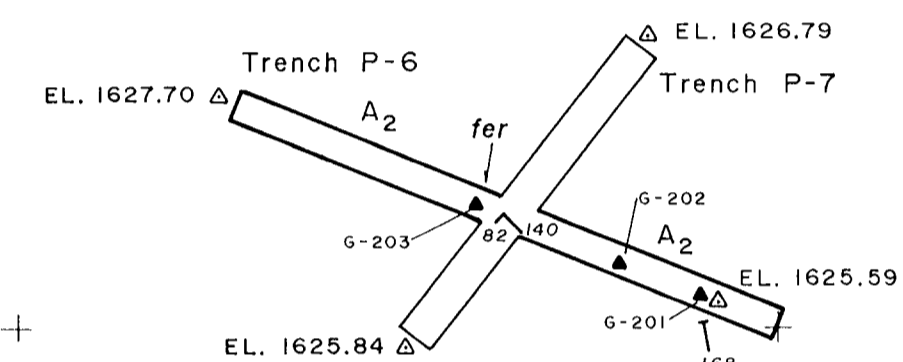
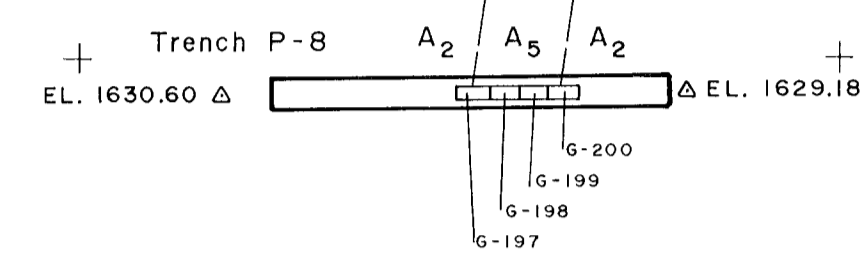
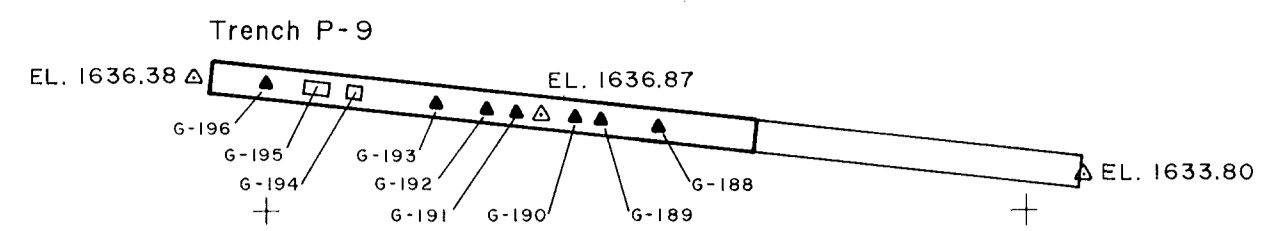
14,460

SHEET 26-N-iii & 26-N-ii

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TRENCHES & SAMPLE LOCATIONS
ERIC ZONE





SHEET INDEX

37	38	39	40	41	42	36,500 N
36	35	34	33	32	31	34,000 N
25	26	27	28	29	30	31,500 N
24	23	22	21	20	19	29,000 N
13	14	15	16	17	18	26,500 N
12	11	10	9	8	7	24,000 N
1	2	3	4	5	6	21,500 N

EACH SHEET 1:5000

U	V	W	X	Y
T	S	R	Q	P
K	L	M	N	O
J	I	H	G	F
A	B	C	D	E

EACH SHEET 1:1000

iv	iii
i	ii

EACH SHEET 1:500

- LEGEND**
- Trench P-1 Trench located by survey
 - EL. 1620.90 Point elevation in metres
 - Backhoe trench on bulldozed pad
 - G-212 Grab sample location
 - G-213 Chip sample location
 - A₅;A_{5A} Silicification; with fractures or vugs
 - A₂ Argillic alteration
 - fe Ferricrete
 - li Limonite
 - he Hematite
 - Fracture - vertical, inclined
 - Fault

Sheet 26-M-iv
Sheet 26-M-i

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,460

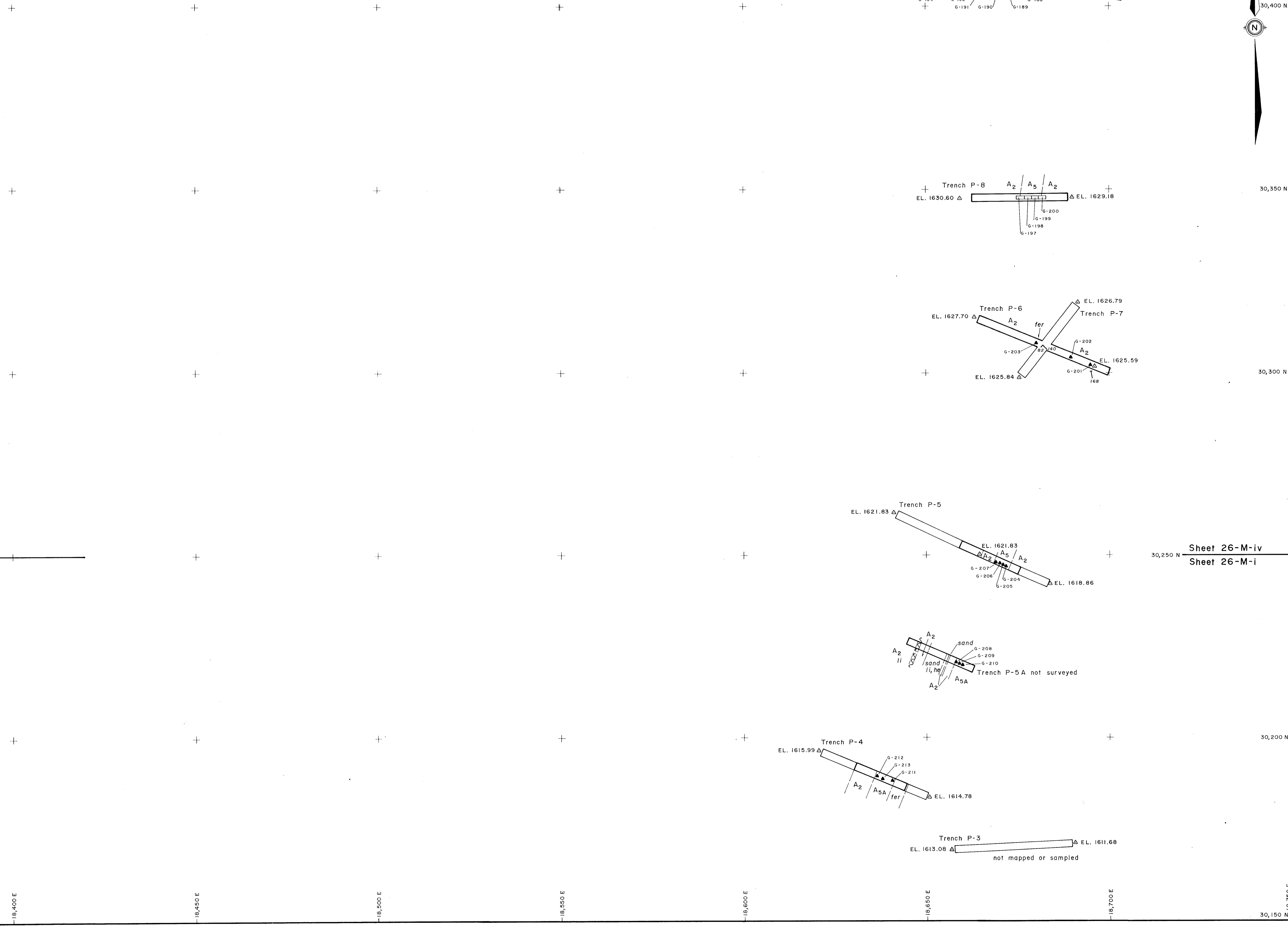
SHEET 26-M-i & 26-M-iv

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AL PROPERTY
GEOLOGY, TRENCHES &
SAMPLE LOCATIONS
POND ZONE

Scale: 1:500

Date: November '85
Revised: NTS: 94 E/G W Figure 11

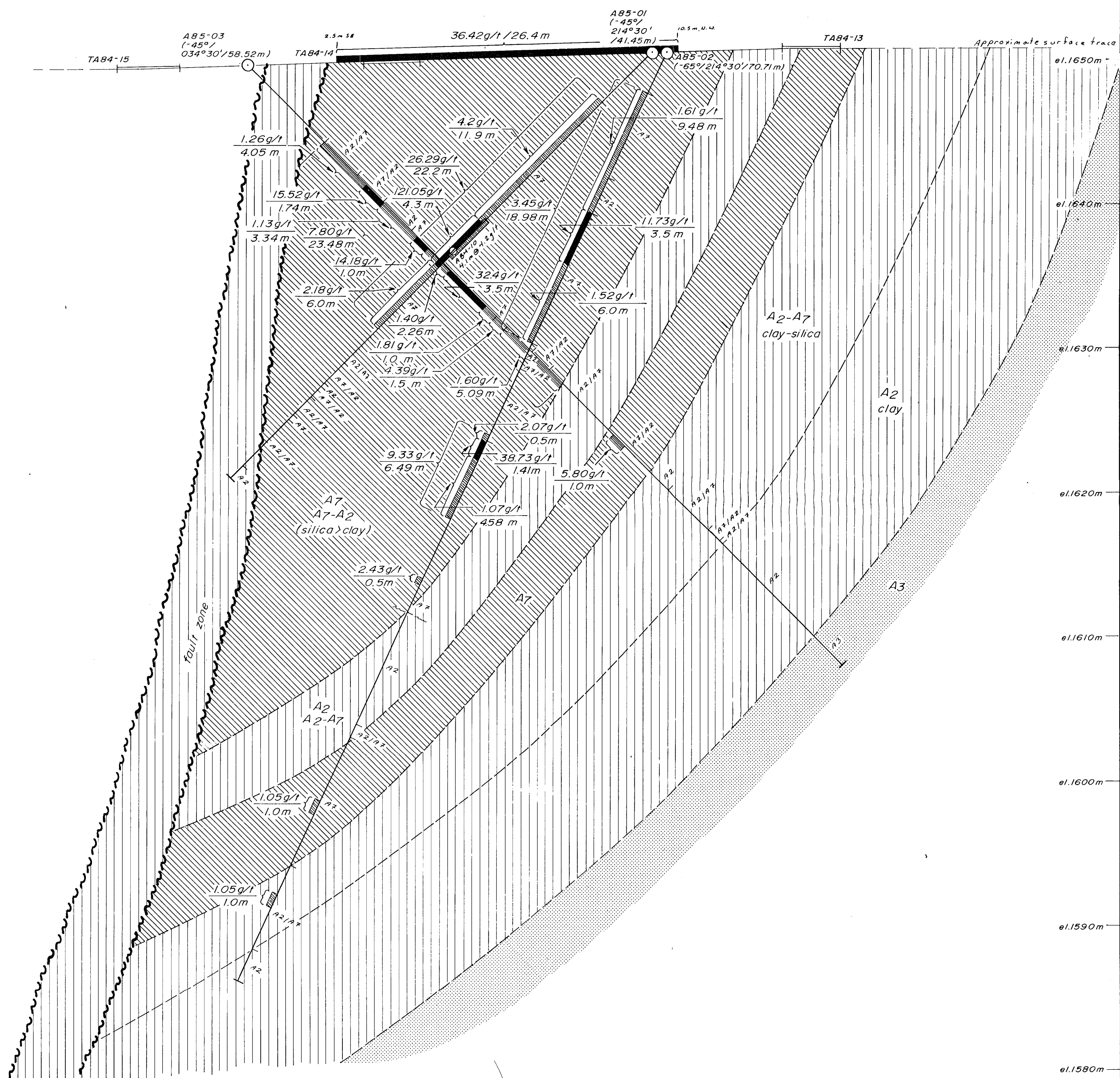


214°30'

034°30'

LEGEND

- A3 Weak pyritic alteration
- A2 Intense argillization
- A2-A7 Clay with minor silicification
- A7-A2 Silicification with pyrite and minor kaolinite
- A7 Intense silicification with pyrite
- Alteration/lithographic boundary
- Fault
- Mineralized zone
- Highly mineralized zone
- Trench intersecting plane of section
- Drill hole intersecting plane of section
- $\frac{1.76 \text{ g/t}}{7.0 \text{ m}}$ Assay — Au g/t / width(m)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,460

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AI Property
THESIS III ZONE
Diamond Drill Section
A85-01,02,03
LOOKING NORTHWEST (304°30')

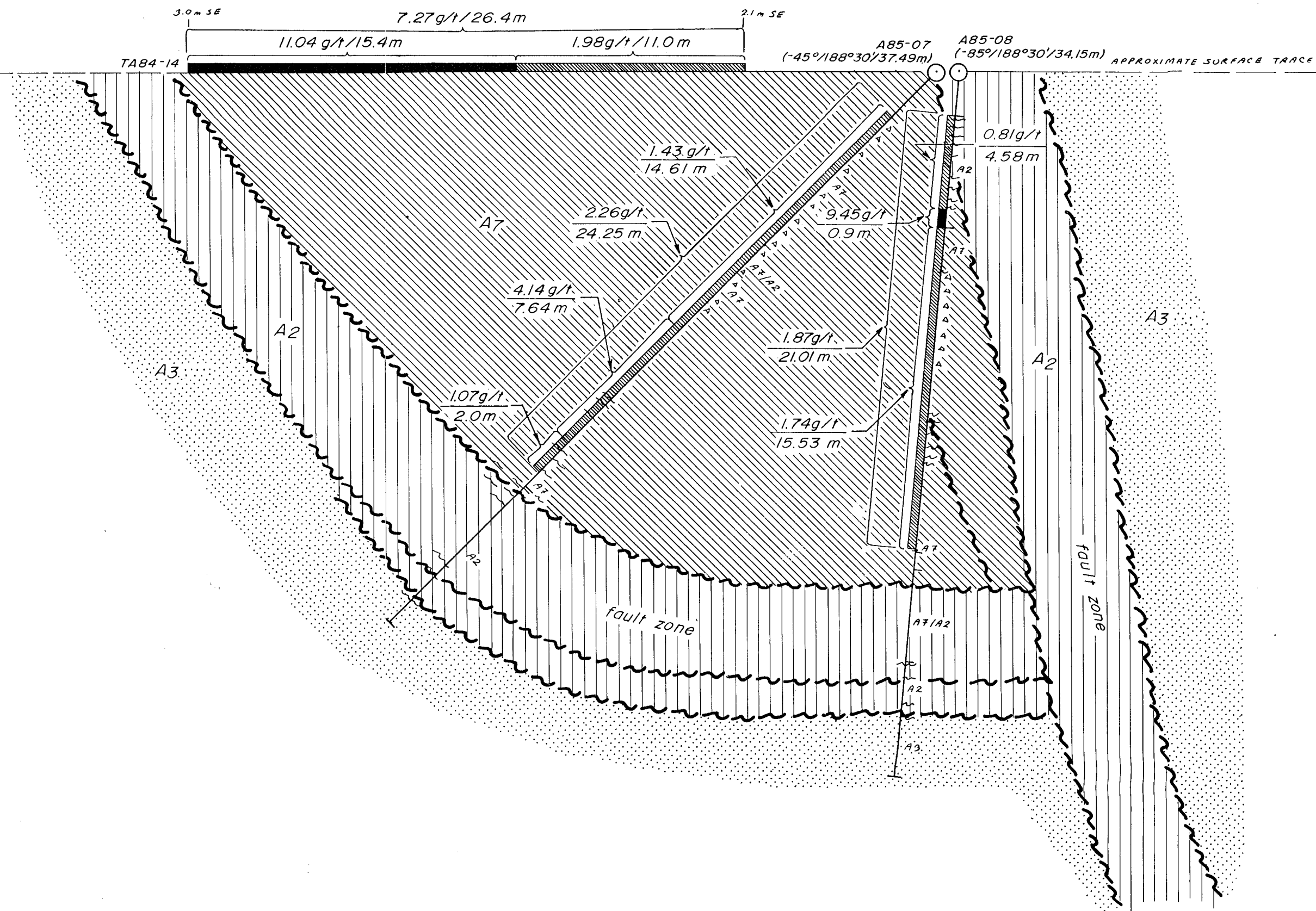
5 0 5 10 m
Scale 1:200

Date: Nov., 1985
Revised:

NTS: 94 E/6W
Figure: 12

← 188°30'

008°30' →



LEGEND

- A3 Weak propylitic alteration
- A2 Intense argillization
- A7 Intense silicification
- Alteration/lithographic boundary
- Fault
- Mineralized zone
- Highly mineralized zone
- Surface trench projected onto plane of section
- $\frac{1.76\text{g/t}}{7.0}$ Assay - Au g/t metres

el.1650m
 el.1640m
 el.1630m
 el.1620m
 el.1610m
 el.1600m
 el.1590m
 el.1580m

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,460

energex
 MINERALS LTD.
 AI Property
 THESIS III ZONE
 Diamond Drill Section
 A85 - 07,08
 LOOKING NORTHWEST (278°30')

5 0 5 10m

Date: Dec., 1985
 Revised: NTS: 94 E/W Figure: 13

186°30'

006°30'

APPROXIMATE SURFACE TRACE

A85-09
(-45°/186°30'/57.3m)

TAB4-21
no bedrock
swamp

overburden

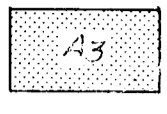
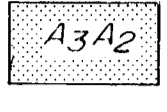
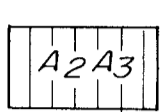
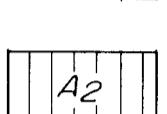
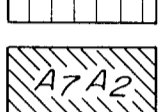
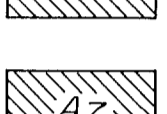

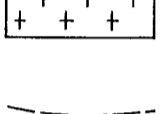
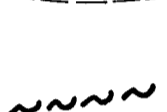


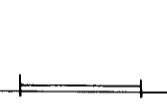
Proposed 1986 drill hole
(-45°/190m)

1.53g/t
7.0m

1.37g/t
1.63m

0.90g/t
2.81m

fault zone

- LEGEND**
-  A3 Weak propylitic alteration
 -  A3A2 Propylitic alteration with minor argillization
 -  A2A3 Argillization - incomplete kaoline replacement of volcanic rocks
 -  A2 Intense argillization
 -  A7A2 Silicification with pyrite and minor kaolite
 -  A7 Intense silicification with pyrite
 -  Dyke
 -  Alteration/lithographic boundary
 -  Fault
 -  Mineralized zone
 -  Highly mineralized zone
 -  Trench intersecting plane of section
 - $\frac{1.76g/t}{7.0m}$ Assay - Au g/t / width(m)

el.1650m

el.1640m

el.1630m

el.1620m

el.1610m

el.1600m

el.1590m

el.1580m

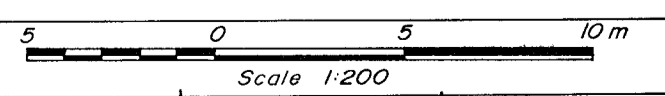
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ASSESSMENT REPORT**

14,460

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AI Property
THESIS III ZONE
**Diamond Drill Section
A85-09**

LOOKING NORTHWEST (276°30')

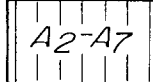
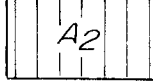
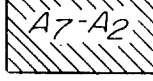









Date: Dec., 1985
Revised: NTS: 94 E/6W Figure: 14

215°00'

035°00'

LEGEND

-  A2-A7 Clay with minor silicification
 -  A2 Intense argillization
 -  A7-A2 Silicification with pyrite and minor kaolinite
 -  A7 Intense silicification with pyrite
 -  Alteration/lithographic boundary
 -  Fault
 -  Mineralized zone
 -  Highly mineralized zone
 -  Trench intersecting plane of section
 -  Drill hole intersection plane of section
- $\frac{1.76 \text{ g/t}}{7.0 \text{ m}}$ Assay - Au g/t
width (m)



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AI Property
THEISIS III ZONE
Diamond Drill Section
A85-10, A85-32, A84-14
LOOKING NORTHWEST (305°00')

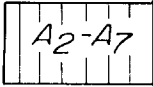
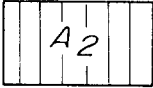







Scale 1:200

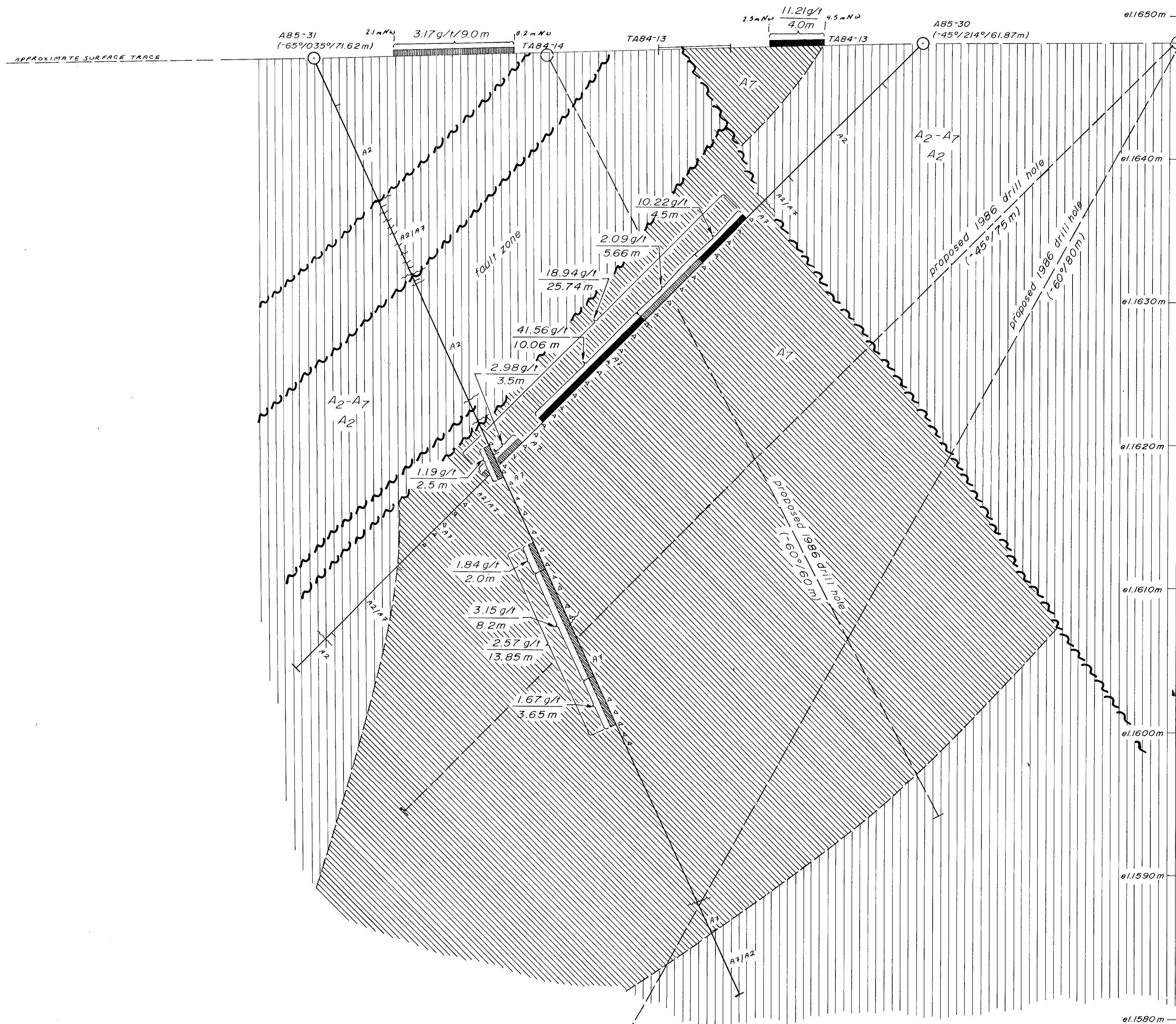
Date: Dec., 1985
Revised: NTS: 92 E/6W Figure: 15

← 214°00'

034°00' →

LEGEND

-  A2-A7 Clay with minor silicification
-  A2 Intense argillization
-  A7 Intense silicification with pyrite
-  Alteration/lithographic boundary
-  Fault
-  Mineralized zone
-  Highly mineralized zone
-  Trench intersecting plane of section
-  1.76 g/t / 70m Assay - Au g/t / width(m)



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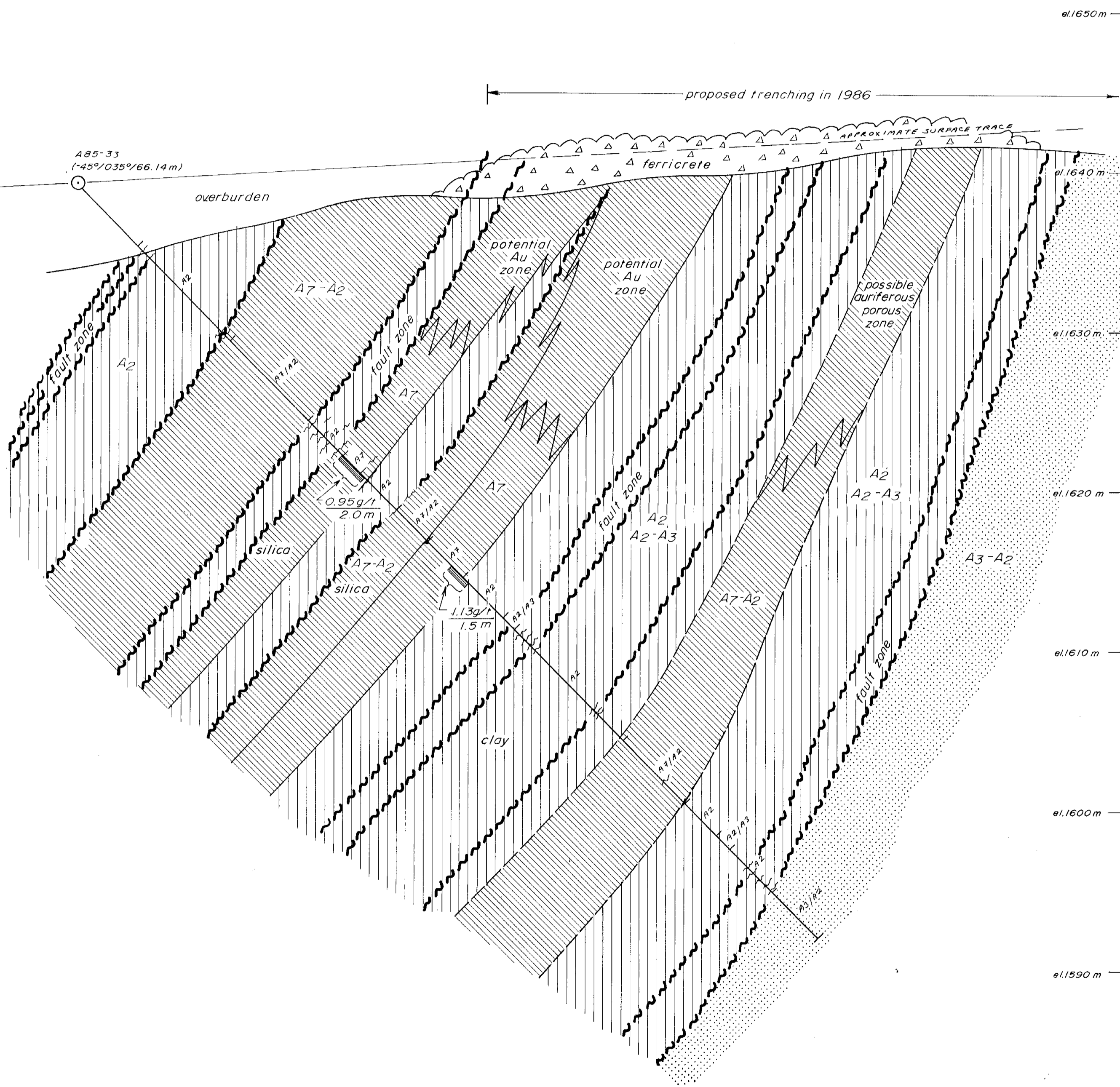
AI Property
THESIS III ZONE
**Diamond Drill Section
A85-30,31**
LOOKING NORTHWEST (304°00')

5 0 5 10m
Scale 1:200

Date: Dec, 1985
Revised: NTS: 94 E/6W Figure: 16

215°00'

035°00'



LEGEND

- A3 Weak propylitic alteration
- A3-A2 Propylitic alteration with minor argillization
- A2-A3 Argillization - incomplete kaolinite replacement of volcanic rocks
- A2 Intense argillization
- A7-A2 Silicification with pyrite and minor kaolinite
- A7 Intense silicification with pyrite
- Alteration / lithographic boundary
- Fault
- Mineralized zone
- Highly mineralized zone
- $\frac{1.76 \text{ g/t}}{7.0 \text{ m}}$ Assay - Au g/t / width (m)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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AI Property
THESIS III ZONE
Diamond Drill Section
A85-33
LOOKING NORTHWEST (305°00')

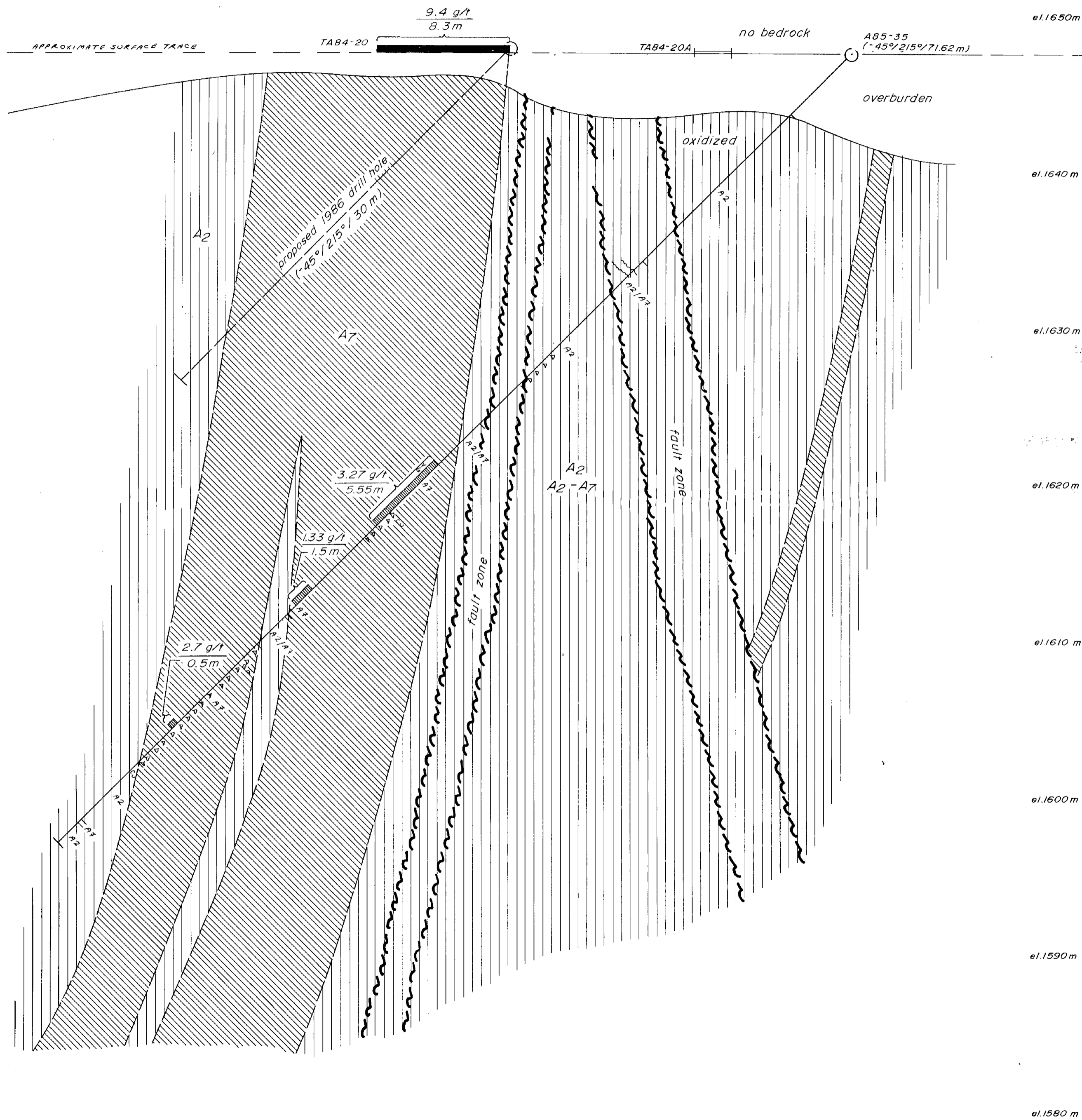
5 0 5 10m
Scale 1:200

Date: Dec., 1985
Revised: NTS: 94E/6W Figure: 17

el.1580 m

← 215°00'

035°00' →



LEGEND

- A2 Intense argillization
- A2-A7 Clay with minor silicification
- A7 Intense silicification with pyrite
- Alteration/lithographic boundary
- Fault
- Mineralized zone
- Highly mineralized zone
- Trench intersecting plane of section
- $\frac{1.76 \text{ g/t}}{7.0 \text{ m}}$ Assay - Au g/t / width (m)

el. 1650 m

el. 1640 m

el. 1630 m

el. 1620 m

el. 1610 m

el. 1600 m

el. 1590 m

el. 1580 m

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AI Property
THESES III ZONE
Diamond Drill Section
A85-35
LOOKING NORTHWEST (305°00')

5 0 5 10m
Scale 1:200

Date: Dec., 1985
Revised:

NTS: 94 E/6W Figure: 18