ASAMERA INC.

1983 Summer Exploration and Drilling Program

STARR PROSPECT

Boyer Lake - Turtlepond Lake Areas

Kenora Mining Division

Ontario

NTS 52F/7, 52F/10

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SUMMARY AND RECOMMENDATIONS

The Starr Property comprises a group of 97 contiguous unpatented claims covering 3880 areas in the Boyer Lake - Turtlepond Lake areas, 41 km southeast of Dryden, Ontario.

Although episodic gold exploration in the area dates back to the turn of the century, it was the discovery of a small but high grade (500 oz Au/ton) showing in 1980 which renewed interest here, eventually resulting in a 60% Asamera Inc. -40% Shield Development Co. Ltd. joint exploration venture.

A multi-phase program designed to assess both the known showings and the overall property potential, included linecutting (182 km), geological mapping, humus sampling (3392 samples), rock sampling (nearly 500 samples), geophysical surveys (total field magnetic and VLF EM-16),stripping and diamond drilling (12 holes, 772.3 m).

Three prospective showings, the Starr, Sovereign and Sovereign Sister, were drill tested to determine the lateral and vertical depth extent of mineralization and quartz veining observed on surface. Only narrow, barren or weakly mineralized quartz veins were intersected (best assay in Sovereign DDH SV83-6 as 0.18 oz Au/ton over 10 cm) and the existing potential of all three zones is considered low.

Follow-up to the few geochemical anomalies produced by the regional exploration phase indicate that the gold mineralization potential of the property is low and no additional work is recommended at the present time. Further, it is recommended that the Asamera/Shield Joint Venture abandon the Starr, Sovereign and McAteer options, retaining only the Joint Venture claims by application of existing assessment credits.

INTRODUCTION

The 1983 Starr property exploration program was conducted in two phases: the first (June, July) included linecutting, lithogeochemical and biogeochemical sampling, geophysics, mapping and stripping; the second (mid-August to mid-September) comprised geochemical anomaly follow-up and diamond drilling.

This report summarizes field results and provides recommendations for future work.

PROPERTY AND OWNERSHIP

The Starr property comprises a group of 97 contiguous unpatented claims covering a total of 3880 acres within the Boyer Lake - Turtle Pond Lake areas, shown on Ministry of Natural Resources Plan No. M2663 and M2582.

The claims are recorded in the name of Asamera Inc., held under various option agreements and under a joint venture agreement with Shield Development Company Limited, in which Asamera is the operator in a 60% Asamera, 40% Shield relationship.

The numbers, ownership and assessment status of the claims are shown in Table I.

TABLE I

CLAIM NO.	AGREEMENT	ANNIVERSARY/ RECORDING DATE	DATE OF LAST FILING	MAN DAY'S WORK ON FILE (APPROVED)		EXPIRY DATE *
K535339	Starr Option	Dec. 12, 1980	Nov. 29, 1982	63	(23)	Dec. 12, 1983
K535340-44	" "	" "	Nov. 29, 1982 (under ext.)	30	(20)	Feb. 29, 1984
K535345	" "	" "	" " "	26	(20)	" "
K646201	" "	Aug. 23, 1982	No work filed (under ext.)	--	--	Feb. 29, 1984
K603335-40	McAteer Option	May 21, 1981	No work filed (under ext.)	--	--	Dec. 15, 1983
K604309-13	" "	" "	No work filed (under ext.)	--	--	" "
K651943-48	Staked by Shield	Aug. 23, 1982	No work filed (under ext.)	--	--	June 29, 1984
K654671-88	" "	" "	No work filed (under ext.)	--	--	" "
K657751	Sovereign Option	Oct. 28, 1982	Sept. 27, 1983	20	--	Oct. 28, 1983
K657623	" "	Sept. 29, 1982	" "	28	--	Sept. 29, 1983
K657624	" "	" "	" "	20	--	" "
K589052	" "	Jan. 13, 1981	Dec. 10, 1982	72	(70)	Jan. 13, 1984
K670070	Staked by Asamera	March 22, 1983	No work filed	--	--	March 22, 1984
K670184-85	" "	" "	" " "	--	--	" "
K670187-201	" "	" "	" " "	--	--	" "
K670203-12	" "	" "	" " "	--	--	" "
K670258-60	" "	" "	" " "	--	--	" "
K670315-28	" "	" "	" " "	--	--	" "
K695882-6	" "	April 11, 1983	" " "	--	--	April 11, 1984

* Subject to revision after 1983 filing

LOCATION AND ACCESS

The Starr property is located in the Kenora Mining Division, centered 41 km southeast of Dryden, Ontario. The town of Dryden (population 6,500) is located on Highway 17, 344 km east of Winnipeg, and is supported principally by forestry, pulp and paper and tourism. A municipal airport located 10 km northeast of Dryden is serviced by regular NorOntair flights, from Thunder Bay and by Nordair flights from Thunder Bay and Winnipeg.

Property access is well provided via Highway 594 west from Dryden and then south along Highway 502, which diagonally crosses the property from northwest to southeast (FIGURE 1). A direct water route to the towns of Wabigoon, Dinorwic and Dryden is provided via Minnehaha Lake, Crooked River, Dinorwic Lake and Wabigoon Lake.

Three larger lakes within and bounding the property provide excellent water access to the northern, eastern and central claims. An old government road extending southwards from Minnehaha Lake provides walking access to the southwestern claims and continues off the property to Goldrock on Upper Manitou Lake. Unfortunately this road is now swampy in several portions, in particular between grid lines 18S and 19S, making it impassible with conventional wheeled vehicles.

The June-July 1983 exploration phase was conducted from a 6 man tent/trailer camp situated at a provincial campground on Godson Lake, approximately 17 Km north of the property along Highway 502.

EXPLORATION HISTORY

Work first began in the Boyer Lake-Turtlepond Lake areas during the period from 1895 to 1913 and was revived during the 1930's and 40's when active gold rushes were in progress. Mining activity, during the same periods, was concentrated near the north end of Upper Manitou Lake and the community that developed came to be known as Goldrock. Of several gold occurrences and prospects near Goldrock, the only three to come to production were the Big Master Mine from 1902 to 1905 and again from 1942 to 1943 (2565 oz), the Laurentian Mine from 1906 to 1909 (8143 oz.) and the Elora (or Jubilee) Mine from 1936 to 1939 (1370 oz.). No further mineral production has been reported from the area.

The Starr showing was discovered in late 1980 by prospector E. Starr, while examining road cuts along newly constructed Highway 502. Spectacular native gold (up to 500 oz/ton) was found within a narrow (up to 15 cm) quartz vein over an exposed strike of 3m. Pre-1983 work here included stripping, trenching, sampling and 10 shallow vertical percussion holes totalling 100m. The results of these holes, although apparently discouraging, were not thought to be truly representative of actual vein potential.

Although it was the Starr showing which initiated interest in the area, it was also the regional potential which prompted Asamera to option both the Starr and an adjacent claim group in February 1983. A third claim group containing a second showing (Sovereign) was then optioned and an additional fifty tie-on claims were staked by Asamera. At that time work over the Sovereign showing included a minor biogeochemical survey, trenching and manual stripping. Chip samples containing visible gold (assays up to 9 oz./ton) were taken from a portion of a 40 cm

wide, contorted quartz vein, which was exposed over a 5m strike length and appeared open in both directions.

TOPOGRAPHY

The characteristic landform throughout the property is represented by moderate bedrock knobs and ridges (15 to 30 m relief) variably covered by tills, sands and boulders within moderately hummocky moraines, glaciofluvial and glaciolacustrine deposits. A large esker crosses the property near the north end of Sasakwei Lake, passes by the south end of Peak Lake and continues to the southeast. Surface drainage conditions are mixed wet and dry, with abundant swamps. In general, swamps and creeks northeast of Highway 502 flow northwards into Peak and Minnehaha Lakes, while those southwest of the road drain westerly into Pincher, Double and Kabagukski Lakes. Thick forest and moss coverings occur throughout the area.

These topographic features influence both ground work progress (linecutting especially) and ground geophysical results.

1983 PROGRAM SUMMARY

a) Linecutting (May 6 - July 10)

The Starr project linecutting contract was awarded to Rudi H. Henning of Toronto. Transited baselines and tielines trending N 45° E provide control for 100 m spaced cross-lines, with pickets every 25 m. Several additional tie-lines were cut to allow coverage around lakes and swamps, resulting in the following cutting totals:

Transited baseline and tie-lines	13.490 Km
Unsurveyed tie-lines	4.432 Km
100m spaced cross-lines	163.653 Km
Total	181.575 Km

Where possible all lines were cut to the property boundaries, which had been previously well marked (by Henning) with painted blazes.

Two internal, detailed grids were cut over the Starr and Sovereign showings, with lines every 25m, to permit detailed mapping at 1:1000 scale and to provide adequate control for drilling.

b) Geological Mapping (June 7 - July 23)

Regional outcrop mapping was performed by R. Shives and P. Levesque at a scale of 1:5000, using the grid lines for control on land and photo bases for lakeshore geology. Detailed 1:1000 scale mapping of the Starr, Sovereign and subsequently discovered Sovereign Sister showings was conducted July 20 and July 21 by R. Shives and D. Hassell using the detailed grids for control.

(A flagged grid was established over the Sovereign Sister showing).

Mapping symbols, rock names and classifications used were adopted from those established by C.E. Blackburn, Resident Geologist with the Ministry of Natural Resources in Kenora (refer to Ontario Geological Survey Reports 202 and 223). Data is presented as a 1:10,000 (reduced from 1:5000) Geology Map and three 1:1000 "Detailed Geology " Maps .

Approximately 165 rock samples (quartz veins and metavolcanic wall rocks) were collected as part of the geological mapping program.

c) Geophysics (June 1 - August 2)

Ground VLF and proton magnetometer surveys were contracted to Gojko Mijac of Toronto. The VLF survey was run using a Geonics EM-16 with readings taken every 25m along lines. Cross-lines were read facing east with the instrument tuned to the 24.8 KH_z NLK frequency. Baselines were read facing north, tuned to the 17.8 KH_z NAA station. Data is presented as 1:10,000 (reduced from 1:5000) profiles (1cm = 80%) and Fraser filtered contours (contour interval = 20%).

An EDA PPM 350 magnetometer was used for the ground magnetic survey, in conjunction with an EDA 400 base station magnetometer (located at the Godson Lake Camp, base value = 60,025 gammas) coupled to a DCU printer. Readings were taken at 25m intervals along all lines. Data is presented as 1:10,000 (reduced) scale maps of reduced values and as contours (contour interval = 25 gammas).

d) Geochemical Sampling (June 1-July 12, July 22 - July 29)

A systematic combined lithogeochemical and biogeochemical sampling program was performed by L. Dauphin and M. Cardinal.

The uppermost humus horizon (A_O) was sampled every line (100m spaced lines) at 50m intervals along lines. Every 50th sample was duplicated, providing approximately 60 check samples, and the type of organic matter was noted (swamp grass, birch leaves, pine needles, etc.). In all, 3,392 humus samples were shipped to Xray Assay Labs in Toronto for Au, Sb and As assay via neutron activiation. Results are presented on a 1:10,000 (reduced from 1:5000) scale anomaly map.

Lithogeochemical sampling of outcrop at 200m intervals along 200m spaced lines (with duplicates taken every 10 samples) resulted in 309 rock samples, including both quartz veins and metavolcanic country rocks. These samples were sent to Barringer Magenta in Calgary for their five element "Goldprint" analyses (Au, Ag, Hg, As, Sb). Results are presented as a 1:10,000 scale anomaly map.

e) Stripping and Sampling

Stripping of overburden and rubble from the Sovereign quartz veins was performed on July 19th by D.E. and J.C. Hutchison Contracting Company Limited of Dryden, using a large track-mounted backhoe(CASE 225). An access road into the Sovereign zone was made using a bulldozer (TD 25) to accomodate this work.

The stripping exposed additional portions of the narrow "east-west" vein/shear system and revealed a tight, plunging fold nose at the base of the "main" Sovereign quartz vein, linking it directly to the western portion of the "east-west" vein. Nine additional vein chip samples were taken following the stripping, bringing the total number of samples taken within the Sovereign veins to 55.

No machine stripping or trenching was performed on either the Sovereign Sister or Starr showings.

f) Diamond Drilling (Aug. 19 - Sept. 13)

N. Morissette Diamond Drilling Limited of Haileybury completed 12 NQ drill holes in the three showings tested, as follows:

- Sovereign	6 Holes	351.7m
- Sovereign Sister	3 Holes	221.0m
- Starr	3 Holes	199.6m
	Total	772.3m

Discouraging results prompted cancellation of some of the proposed holes, resulting in the total meterage drilled (772.3m) being 142.1m under the contract minimum of 914.4m (3000 feet). No significant penalty was levied by Morissette for the 142.1m not drilled.

All holes were angled either -45° or -60° at the drill head using a Brunton compass clinometer. Three or four Tropari deviation tests were taken upon completion of each hole. Core from all three zones was systematically logged, labelled with dymo-tape (hole number, box number, interval) and stacked at the Sovereign showing. A total of 105 split core samples were analyzed by fire assay methods for Au and Ag. Two multi-element scans were also performed. Data are presented as typeddrill logs, 1:500 scale plan views, pierce point diagrams, simplified drill sections and assay description sheets.(See Appendix)

REGIONAL GEOLOGY

The area is underlain by thick sequences of metavolcanic and metasedimentary units intruded by mafic sills, lamprophyre dikes, quartz and feldspar porphyries and granitic rocks marginal to a batholithic dome. The rocks are predominately Archean with the exception of a series of Proterozoic diabase dikes.
The main structural features in the area are the northeast trending Manitou Straits Fault which bounds the Starr property to the southeast and the tightly folded Manitou Anticline, the axis of which passes through the centre of Sasakwei Lake.

REGIONAL (Airborne) GEOPHYSICS

Data from a 1961 regional airborne magnetic survey flown by Spartan Air Services (O.D.M. Map 1153G) reflect the gross regional geological features well and illustrate two small moderately high magnetic zones (60,500 gammas) within the northwest and southwest claim areas.

In 1979 a Kenting Tridem airborne electromagnetic and total intensity magnetic survey was flown (refer O.G.S. Map 804598, 1980). Although only partially covering the property, the results show similar magnetic patterns and several weak to moderate strength discontinuous conductive responses.

PROPERTY GEOLOGY

The property overlies a thick sequence of predominantly mafic massive and pillowed flows and pyroclastics, with subsidiary intermediate to felsic flows occurring mainly within the southwest corner. (Refer Figure 2).

Low grade greenschist facies regional metamorphism and moderately to well developed, steep to near-vertical foliations are characteristic throughout, the latter becoming stronger towards the Manitou Straits fault. The foliation parallels the axial planar trace of the Manitou Anticline, in general, bending slightly from N55°E in the southwest to N45°E in the centre through to N40°E in the northernmost claims (with much local variation).

Bedding strikes indicated by deformed, elongated pillows and coarse pyroclastic units may not reliably reflect true bedding directions - they almost invariably parallel the strong foliation and shearing associated with the anticlinal folding. However, rare high bedding vs foliation angles were observed in exposures distal to the anticlinal axis, suggesting broad shallow-plunging fold noses, similar to those documented by Blackburn within the Goldrock area to the southwest. This supports Blackburn's anticlinal interpretation and better explains the interpreted "geological domain" boundaries shown in Figure 2. (Although each of these 'domains" are not in fact homogeneous, the predominant rock types are as shown in the figure).

Although several well developed joint sets are common in most outcrops and numerous narrow sheared zones were mapped, no major faulting has been geologically interpreted within the property boundaries.

Lithologies

Subdivision of the metavolcanics into either flow or pyroclastic categories was based on textural and structural criteria, while distinction between mafic and intermediate to felsic rocks was based on the colour of fresh and weathered surfaces, visible quartz content and hardness. Further subdivision of the mafic metavolcanics was performed soley via textural variations.

Lakeshoresand road cuts were mapped first to gain the best possible representations of each lithology, using the legend shown on Blackburn's 1982, 1:50,000

Upper Manitou Lake - Sunshine Lake Geology map (O.G.S. Map 2476) as a guide. A type suite was also established to promote consistant mapping. It should be noted, however, that despite relatively abundant outcroppings, thick moss and tree root coverings often hindered the observation of features considerably larger than hand specimen size (such as pillows and locally developed textures).

Mafic pyroclastic metavolcanic rocks (1f, 1g,1r,1s on the 1:10,000 Geology map) cover a large portion of the property between Sasakwei and Peak Lakes. Here, easily recognized heterolithic lapilli tuffs predominate, with subsidiary mafic tuff and volcanic breccias. The presence of minor pillow-like structures, rare graded beds in tuffs and theheterolithic clast content suggest these rocks to be of subaqueous origin. Less abundant, discontinuous much narrower pyroclastic zones occur throughout the property between massive and pillowed flows None have been mapped for more than four or five hundred metres along strike, commonly lying along and striking into topographic lows and swamps, in turn a function of weathering contrasts between flow rocks and the more fissile pyroclastics.

Plagioclase-phyric textures (sub to euhedral lath shaped plagioclase feldspar phenocrysts ranging up to 2cm long, set in a fine grained to aphanitic basaltic groundmass) are observed in both pillowed and massive flows confined almost exclusively to an east-west trending belt crossing the north central part of the property and extending into the Sovereign zone. These rocks have been subdivided into three categories, depending on the presence of pillows (unit 1e) and on the size of the plagioclase phenocrysts (units 1d, 1h). The plag. laths also vary in abundance (5 to 30%) and in orientation, from totally random elongation directions to well aligned parallel to foliation. Where sheared these rocks become tuffaceous looking due to the brittle angular breaking and fragmentation of plag. crystals. Weathering of these rocks produces a characteristic, readily recognizable texture, as the plag. laths weather outwards (protrude). A small plagioclase-phyric zone occurring to the north, where TL 11E runs into Minnehaha Lake, contains extremely large pillows, up to 2m wide. Another small plagioclase-phyric pillowed zone is centered at the western end of L 12 S.

Non-porphyritic, fine grained mafic pillowed metavolcanics (unit 1c) occur in three zones, the largest located roughly south of Highway 502 between TL 11W and Sasakwei Lake. Here the pillows are small to medium (averaging 0.5 wide), irregular, elongate, with increasing stretching and flattening parallel to foliation as the anticlinal axis is approached. Where shearing is strongest (as along the western shore of Sasakwei Lake) these rocks resemble coarse volcanic breccias due to fragmentation of selvages and pillow cores. However, the remnants of distintive light green epidotic pillow centres, often containing subparallel fractures, appear diagnostic for the presence of pillows regardless of deformation. These fine grained non-porphyritic pillow basalts host the Starr showing and many good exposures can be seen along Highway 502 in that area. Two much smaller pillowed zones also occur along the southern and northern shores of Minnehaha Lake.

Non-descript aphanitic to medium grained textureless mafic flows (units 1a, 1b) are ubiquitous within the non-pyroclastic domains. Although, as mentioned above, this may in part be a function of poor exposures, four larger zones are apparent: near the Sheridan showing; surrounding the Sovereign Sister showing and extending eastwards towards Peak Lake; around the small lake centered on L7s just west of baseline; and between the two southern felsic horizons.

Intermediate (unit 2) and felsic (unit 3) metavolcanics occur predominately south of L25S but are also recognized in very small pods on L15N, L0, in the trench shown on L2S, near the shaft on L7S, along L23S near Tl 6E and adjacent to the felsite dike south of Peak Lake. These andestic, dacitic and rhyolitic rocks vary from light pinkish to grey to light brown. Schistose rocks associated spatially with these units have been mapped as chlorite-sericite or sericite-chorite schists. Felsic flows in the southwest corner of the claim group form two distinct subparallel lenticular zones.

Mafic intrusive rocks (units 4a, 4b) are not commonly recognized, again a function of poor exposures - without obviously intrusive contacts these rocks would be mapped as flows, units 1a or 1b. Only two diabase outcrops were found on the west shore of Pincher Lake near L19S and a single metagabbro occurs along the same shoreline south of L22S. Undoubtedly more of these mafic intrusives do exist within the property.

A large (50 to 75m wide) felsite dike (unit 9b) is well exposed at the south end of Peak Lake and continues southwesterly some 1200m. Two much smaller felsite dikes were mapped near the eastern shore of Sasakwei Lake, near L18 and L20S.

GEOPHYSICS

The VLF results (refer to 1:10,000 Fraser filtered contour map) indicate a large number of weak to moderate strength northeast and east-west trending conductors, all lying over swamps and creeks. Although the surface drainage patterns may well reflect bedrock structures, the observed VLF responses are likely generated by surficial features. The lack of strong ground VLF conductors is concordant with the airborne EM survey results.

The ground magnetic survey generally shows a similar topographic correlation, although a few lithostructural trends are interpreted. A prominent linear N-S trending high magnetic feature crosses the regional trend near the northwestern property boundary, striking directly through the diabases mapped on L19S, and is thus interpreted to be a diabase dike. Note that no VLF responses are obtained along this trend. The east-west belt of plagioclase-phyric basalts correlate well with a slightly lower magnetic zone. The eastern pyroclastic domain also displays lower magnetics, but much of this area is low lying, swamp covered.

Results of the two detailed geophysical surveys over the Starr and Sovereign showings reflect the regional survey results only. The Starr showing lies between a series of weak subparallel VLF conductors coincident with swamps and slightly higher magnetic responses. No obvious relationship can be seen between the narrow Starr shear and the geophysics. Similarly, the prominent cliff and associated east-west striking quartz vein/shear at the Sovereign showing are not coincident with magnetic or VLF trends.

GEOCHEMICAL SURVEYS

a) Humus

Prior to demobilization of the summer field camp on Godson Lake, a humus anomaly follow-up program was initiated, with just under 50% of the "first

pass" humus assays yet to be received from Xray Labs.

At that time, approximately 24 weak to moderately anomalous areas were defined, as areas containing two or more adjacent values of 3 ppb Au or greater. These 24 areas contained 114 "first pass" samples, of which 83% assayed less than 6 ppb Au, 14% were between 6 and 9 ppb and only 3% were greater than 9 ppb Au. Although single point anomalies were not considered, none of the assays exceeded 15 ppb. By rating the humus anomalies with respect to outcrop exposure, rock geochem results and geophysical associations, 14 areas were selected for follow-up. This included additional humus sampling totalling 300 follow-up samples, (which included re-sampling of all the originally anomalous stations) quartz vein prospecting and rock sampling. Unfortunately little or no outcrop was found in most of the anomalous areas and less than a dozen rock samples were collected, all assaying background values only. Of the 300 follow-up humus samples only ten exceeded 3 ppb Au, as follows: three assayed 4 ppb Au, four were 5 ppb Au, two were 6 ppb Au and one was 11 ppb Au. In addition, several "first pass" 6 and 7 ppb values returned only 1 or <1 ppb in the resampled values; the then highest value of 15 ppb reassayed <1 ppb Au. None of the 14 anomalous zones was reproduced by the follow-up sampling. From these results it is apparent that these very low amplitude humus anomalies do not exceed the inherent errors in the method, whether the errors are introduced in the sampling or analytical phases. The somewhat vague anomalies in the vicinities of the Starr, Sovereign Sister and Sovereign showings may be insignificant.

Results of the remaining "first pass" humus sampling were received in mid-August and included over 30 impressive Au assays, ranging from 20 and 30 ppb up to a single maximum of 150 ppb Au. However, most of these high values occur in continuous strings and plot across strike along lines 18S, 23S and 24S, east of baseline, giving somewhat unlikely single line anomalies. While Xray Labs were performing check assays on re-briqueted samples taken from the nine highest of these values, follow-up rock sampling and prospecting were conducted over the "anomalous" zones. No additional humus samples were taken. All of the thirteen rock samples collected here contain background Au values (<5 ppb Au). The subsequent Xray check assays cast much additional doubt on the "first pass" results in that erratic values ranged from background up to 5000 ppb Au, a concentration not considered possible within surficial organic materials. A second set pf 72 check assays again returned wildly erratic results: a sample which had initially assayed 3 ppb returned as 86 ppb; a 90 ppb initially, returned as 2 ppb; a 100 returned as 1, a 2 as 58, and so on. At the time of writing, Xray was unable to explain these results. No significant arsenic or antimony values were obtained in any of the 3392 humus analyses, including the high Au samples reported on lines 18S, 23S and 24S.

b) Rock

Of a total of approximately 495 "regional" rock samples collected (excludes the Starr, Sovereign and Sheridan showings) 309 were gathered during routine regional sampling, 165 during mapping and initial follow-up and 21 as final follow-up to both rock and humus anomalies. Sixty "new" quartz veins

and gashes showing no signs of previous workings were sampled and roughly thirty quartz vein samples were taken from the 14 or 15 shafts, pits and trenches rediscovered during the mapping. Excluding the four known showings only five new areas carried Au values over 20 ppb. One of these, only 40ppb Au, is from a narrow quartz vein in the trench shown on L32N, off the Starr property. This was not followed-up.

The remaining four anomalies included:

i 1100 ppb Au in a narrow quartz sweat cutting fine grained tuff within a small outcrop on L14S at 15+05W

ii 225 and 390 ppb Au from the siliceous tuff adjacent to the felsite unit on L16S at 22+00E

iii 65 ppb Au in a quartz vein within the pit on L1+20S at 1+65E

iv 2600 ppb Au in a quartz vein taken from the small pit on L21S at 18+90E

Follow-up prospecting and resampling revealed discontinuous quartz gashes and lower gold values than the original samples. Although the L21S quartz vein takes exception to this, in that the vein averages 15 cm at its widest, pinching to a few cm over a 21 m strike length, it too re-assayed considerably less (85 ppb Au) than the original samples.

DRILLING

Results of the June-July phase of the summer exploration program revealed that 3 areas warranted diamond drilling to test the extent and continuity of depth of mineralization and quartz veining observed on surface. Drilling statistics for the 12 holes drilled are summarized in Table 2. Plan views, pierce point diagrams and drill hole sections for each of the three zones are included in the Appendix.

a) Sovereign Showing

The relatively complex structure represented by the Sovereign quartz vein/shear system became apparent following the stripping. Here, rather than having a narrow steeply dipping E-W trending quartz vein crossed by a thickened, contorted "main" quartz vein, a small tight fold nose was exposed, linking the "main" vein and the western portion of the "E-W" striking veins. This better explained the mineralization distribution observed on surface, (figure 3) the gold lying within the thickened limbs of a folded quartz vein.

All six holes drilled here cut the same lithologies, consisting of variably sheared locally plagioclase-phyric fine grained metabasalts (units 1a, 1h). Note that this "old" healed shearing differs from the "younger" shearing associated with the quartz veining. The former occurs along foliation, causing fragmentation of the plagiocalse phenocrysts, imparting a very tuffaceous shistose appearance to the basalt. However, a transition commonly exists from moderately well foliated plag-phyric basalt into these sheared zones, containing recognizable plag. fragments. No additional secondary alteration appears within the "old" sheared zones, other than the regional metamorphic effects causing chloritization and saussuritization of plagioclase. Thus the "old" shearing has been interpreted to represent local variations in degrees of foliation development and shearing associated with the development of the Manitou Anticlinal structure.

The shearing associated with the Sovereign quartz veining, however, causes considerable warping of the foliation, strong chloritization and concentration of sulphides. The shearing is more extensive within the hanging wall intersections. Elsewhere the basalt is competent with no significant "younger" or open structures. Fracturing averages 2 or 3 per metre. Thin quartz-carbonate veinlets and hairline carbonate stringers are common.

Tropari tests show that all holes shallowed and deviated consistantly towards the east, an effect of the well developed near vertical foliation, striking 60 degrees to the line of drilling.

DDH SV83-1 was designed to test the down dip extension of the mineralized fold nose at 15 m below surface. The hole was technically successful, encountering a 90 cm wide vein (apparent width) at 17.9 to 18.7 m downhole, containing abundant mafic stringers and 2-3% pyrite and chalcopyrite near the vein walls. Subsequent split core assays returned only 0.012 oz Au/ton and 0.12 oz Ag/ton over one 40 cm interval.

DDH SV83-2 successfully cut the eastern portion of the east-west system at 27.0 to 27.3 m downhole where two narrow (5cm) non-sulphide bearing "crack-seal" veins occurred within a 30cm pyritic friable zone. Again, this interval assayed only 0.012 oz Au/ton over 30 cm. The hole was drilled deeper than the budgeted 50 m to test for the downward extension of the main Sovereign vein and did encounter a 40 cm weakly pyritic vein with abundant mafic stringers, at 60.9 to 61.3 m downhole. Although this vein appears identical to the main vein at surface, assays here revealed only 0.01 oz Au/ton over 40 cm.

DDH SV83-3 cut the east-west quartz vein system 25m below surface, 10m west of the fold nose projection, encountering 2 narrow crackseal veins within a 25 cm zone at 25.75 to 26.0m downhole. These assayed 0.032 oz Au/ton over 25 cm.

DDH SV83-4 was targeted to cut the fold nose projection at 50 m below surface. A thickened fold nose was not encountered here and the quartz vein intersection occurred considerably higher up-hole than predicted, indicating that the dip of the east-west quartz vein system shallows with depth. Three narrow crackseal veins occurred at 45.7 to 46.0m downhole, bearing no sulphides and assaying only 0.004 oz Au/ton over 30cm.

DDH SV83-5 intersected the east-west system 25m to grid west of the fold nose, appearing as a 6cm weakly pyritic quartz vein with abundant mafic stringers, above a second 5cm wide mafic-rich crackseal zone, both assaying only 0.004oz Au/ton and 0.14 oz Ag/ton.

The final Sovereign zone drill hole, SV83-6 was a second attempt at locating the thickened fold nose at 50m downdip. As with DDH SV83-4 only a narrow (10cm) vein was intersected, although it did contain 2-3% pyrite, 1% chalcopyrite and assayed 0.18 oz Au/ton, 1.10 oz Ag/ton, the highest assay values obtained in all of the drill holes.

b) Sovereign Sister

Three holes (221m) were drilled here to test the depth extensions of the wide quartz vein systems observed in outcrop and along a series of pits. The host rocks are fine grained moderately to well foliated, massive and locally banded or amygdaloidal metabasalts with zones containing disseminated pyrite (1%) and a silvery steel grey metallic sulphide tentatively identified as arsenopyrite (up to 5%, commonly associated with calcite clots and stringers). Thin quartz-carbonate veinlets are common but none of the holes cut significant quartz veining, including DDH SV83-1, targeted to cut 25m below the widest portion of the vein exposed on surface. Twenty-one split core assays of quartz carbonate veinlets and the sulphide bearing host rocks all returned trace amounts of Au. One assay in DDH SS83-1 carried 1.24 oz Ag/ton over 30 cm.

c) Starr Showing

Three holes (199.6 m) tested the Starr quartz vein/shear plane at 25m and 30m downdip, directly below and 25m to either side of the showing. Competent, moderately chloritized, fine grained massive and pillowed metabasalts were cut by all three holes. A sheared, strongly chloritized zone containing abundant quartz sweats occurred in DDH ST83-2 from 13.0 m to 16.5 m downhole, but this assayed only trace amounts of Au. Pyrite occurs locally up to 10% or 15% in all holes. Pillow cores are light green, 10 to 50 cm wide and bounded by thin dark green fine grained selvages. A silver assay of 1.46oz/ton over 20 cm was obtained in DDH ST83-3 at 28.9 to 29.1 m in a carbonate-quartz veinlet.

TABLE 2 DRILLING SUMMARY

HOLE NO.	COORDINATES	START/FINISH	BEARING	DIP	COLLAR ELEV. (m)	T.D. (m)	GOLD MINERALIZATION (Barren=Au <0.01oz/ton)
SOVEREIGN ZONE							
SV83-1	L9+36N, 0+09W	Aug. 19/20	173°	45°	398.2	50.3	0.012 oz /ton over 40 cm
SV83-2	L9+51.5N, 0+11.5W	Aug. 21/23	173°	45°	398.4	65.5	Barren
SV83-3	L9+35N 0+23W	Aug. 24/25	173°	45°	397.4	51.5	0.032 oz /ton over 25 cm
SV83-4	L9+59.5N, 0+22W	Aug. 26/28	173°	60°	397.8	74.7	Barren
SV83-5	L9+15N, 0+38W	Aug. 28/29	173°	45°	396.4	44.2	0.014 oz /ton over 30 cm
SV83-6	L9+69N, 0+15W	Aug. 29/30	173°	60°	399.2	65.5	0.18 oz /ton over 10 cm
					SOVEREIGN SUBTOTAL	351.7	
SOVEREIGN SISTER ZONE							
SS83-1	L4+17N, 0+88W	Sept. 2/3	140°	45°	409.5	86.9	Barren
SS83-2	L3+54N, 0+77.5W	Sept. 4/6	140°	45°	414.8	71.6	Barren
SS83-3	L3+92N, 0+88W	Sept. 6/7	140°	45°	411.2	62.5	Barren
					SOVEREIGN SISTER SUBTOTAL	221.0	
STARR ZONE							
ST83-1	L0+57N*, 3+64.5W	Sept. 8/10	196°	60°	433.0	65.5	Barren
ST83-2	L0+58N*, 3+90W	Sept. 10/11	196°	45°	431.7	71.6	Barren
ST83-3	L0+78N*, 3+47W	Sept. 12.13	196°	45°	432.7	62.5	Barren
					STARR SUBTOTAL	199.6	
					1983 TOTAL METERAGE DRILLED	772.3	

*northings with respect to L0

CONCLUSIONS

Three gold showings were recognized at the beginning of the 1983 Starr Property exploration program (the Starr, Sovereign and Sheridan showings).

Results from regional geological mapping, geophysical surveys and geochemical sampling produced only one additional prospective zone (Sovereign Sister) and have indicated low mineralization potential elsewhere on the property.

Detailed geological mapping of the Starr, Sovereign and Sovereign Sister showings further demonstrated their potential and provided a sound base for drill testing.

Stripping of the Sovereign vein system revealed a complex fold structure, within the mineralized vein. Although six drill holes (351.7m) through this feature are considered technically successful, encountering vein widths at depths similar to those in surface exposures, low or barren gold assays (0.18 oz Au/ton, best assay, in DDH SV83-6) were obtained in all intersections and the existing potential of the showing is considered low.

Three holes (221 m) though the Sovereign Sister zone encountered only narrow, barren quartz and quartz-carbonate veins, indicating the rapid downward pinching of the wide quartz veins exposed on surface and reducing mineralization potential there to zero.

Three holes (199.6m) testing the Starr showing cut no significant quartz veins and the spectacular surface showing is interpreted as only a narrow, discontinuous gash, having no extensions laterally or to the 30 m vertical depths tested by the drilling.

RECOMMENDATIONS

Based on the above conclusions it is recommended that:

1) No additional follow-up work be undertaken at the present time.
2) The Asamera/Shield Joint Venture abandon the Starr, Sovereign and McAteer Options on their respective payment dates.

Due to the current high level of exploration activity in the area however, it is recommended that the non-optioned (Joint Venture) claims be retained by applying the maximum amount of assessment credit possible to them.

Report by:

R.B.K. Shives

D.W. Hassell

September 30, 1983

Certificate

I, David Hassell, of 444 Strathcona Mews SW, Calgary, Alberta do hereby certify that:

1. I graduated with the degree of B. Sc. in Geology from McGill University, Montreal in 1978.

2. I have worked continously as a geologist for Asamera Inc. since 1979.

3. I am a member in good standing of the CIM.

GEODATA SOURCES

Beard, R.C. and Garratt, G.L.

1976: Gold Deposits of the Kenora-Fort Francis Area, Districts of Kenora and Fort-Francis; Ministry of Natural Resources, Mineral Deposit Circular 16.

Blackburn, C.E.

1982: Geology of the Manitou Lakes Area, District of Kenora, (Stratigraphy and Petrochemistry); Ontario Geological Survey Report 223, 61p. Accompanied by Map 2476, scale 1:50 000.

1981: Geology of the Boyer Lake-Meggisi Lake Area, District of Kenora; Ontario Geological Report 202, 107p. Accompanied by Maps 2437 and 2438, scale 1:31 680 (1 inch to 1/2 mile) and 3 charts.

Hoffman, E.L. and Brooker, E.J.

1983: Biogeochemical Prospecting For Gold with Reference to Some Canadian Deposits; Paper presented to Organic matter, biological systems and mineral exploration symposium, UCLA, February 14-18, 1983.

Roed, M.A.

1980: Gold Rock Area (NTS 52F/SE), Districts of Kenora and Rainy River; Ontario Geological Survey, Northern Ontario Engineering Geology Terrain Study 38, 14p. Accompanied by Map 5061, scale 1:100 000.

Scatterly, J.

1943: Geology of the Dryden Wabigoon Area; Ontario Department of Mines, Volume 50, Part 2, 1941, p.1-67, Accompanied by Map 50e, Scale 1:63 360 (i inch to 1 mile).

1960: Geology of the Dyment Area; Ontario Department of Mines, Volume 69, Part 6, p. 1-32, Accompanied by Map 1960h, Scale 1:31 680 (1 inch to 1/2 mile)

Thompson, J.E.

1934: Geology of the Manitou-Stormy Lakes Area; Ontario Department of Mines, Volume 42, Part 4, 1933, p. 1-40, Accompanied by Map 42c, scale 1:63 360 (1 inch to 1 mile).

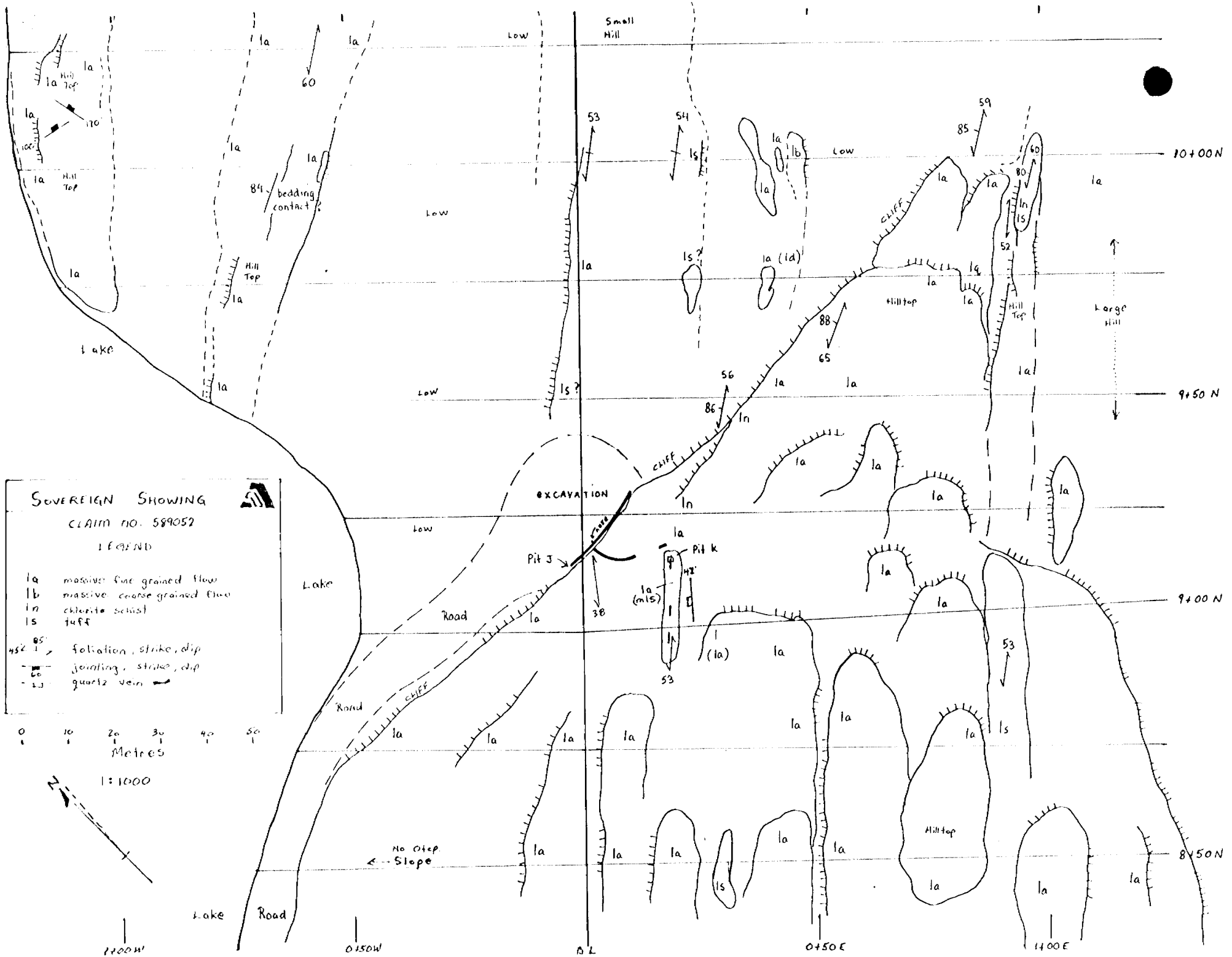
1942: Some Gold Deposits Near Goldrock, Upper Manitou Lake; Ontario Department of Mines, Volume 47, Part 6, 1938, p. 1-10, Accompanied by Map 47K, scale 1:4800 (1 inch to 400 feet).

ODM

1961: Upper Manitou Lake, Kenora District, Ontario, Aeromagnetic Series, Department of Mines and Technical Surveys, Geological Survey of Canada, Map 1153G, scale 1:63 360 (1 inch to 1 mile).

OGS

1980: Airborne Electromagnetic and Total Intensity Magnetic Survey, Manitou-Stormy Lakes Area, District of Kenora; by Kenting Earth Sciences, Limited for the Ontario Geological Survey, Geophysical/Geochemical Series, Map 80 459 B, scale 1:20 000.


SOVEREIGN SHOWING
CLAIM NO. 589052
LEGEND
1a massive fine grained flow
1b massive coarse grained flow
In chlorite schist
Is tuff
foliation, strike, dip
jointing, strike, dip
quartz vein
0 10 20 30 40 50
Metres
1:1000
N
Small Hill
Low
Hill Top
Lake
Road
CLIFF
EXCAVATION
Pit J
Pit k
Hilltop
Large Hill
No Step
Slope
10+00N
9+50N
9+00N
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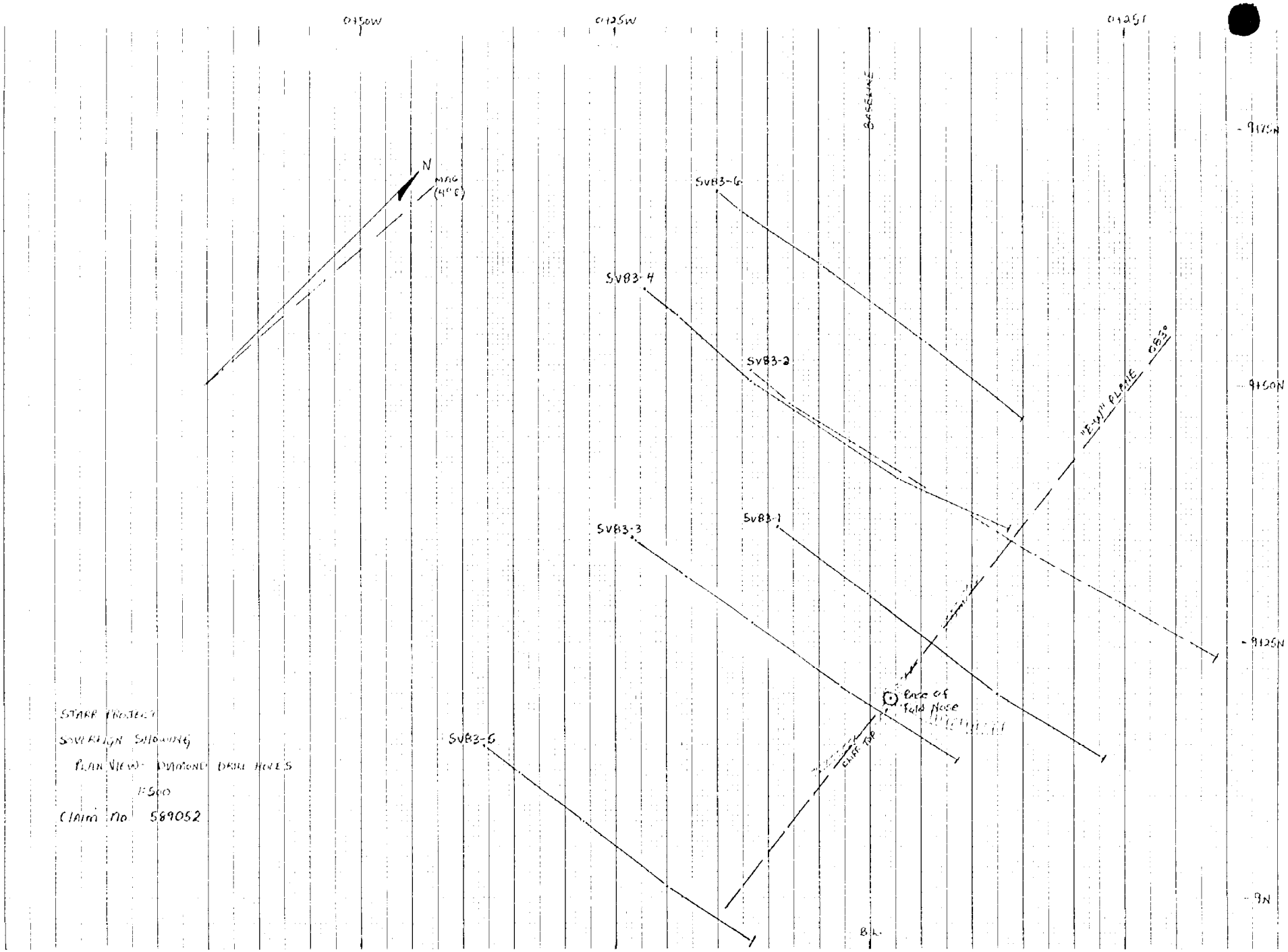
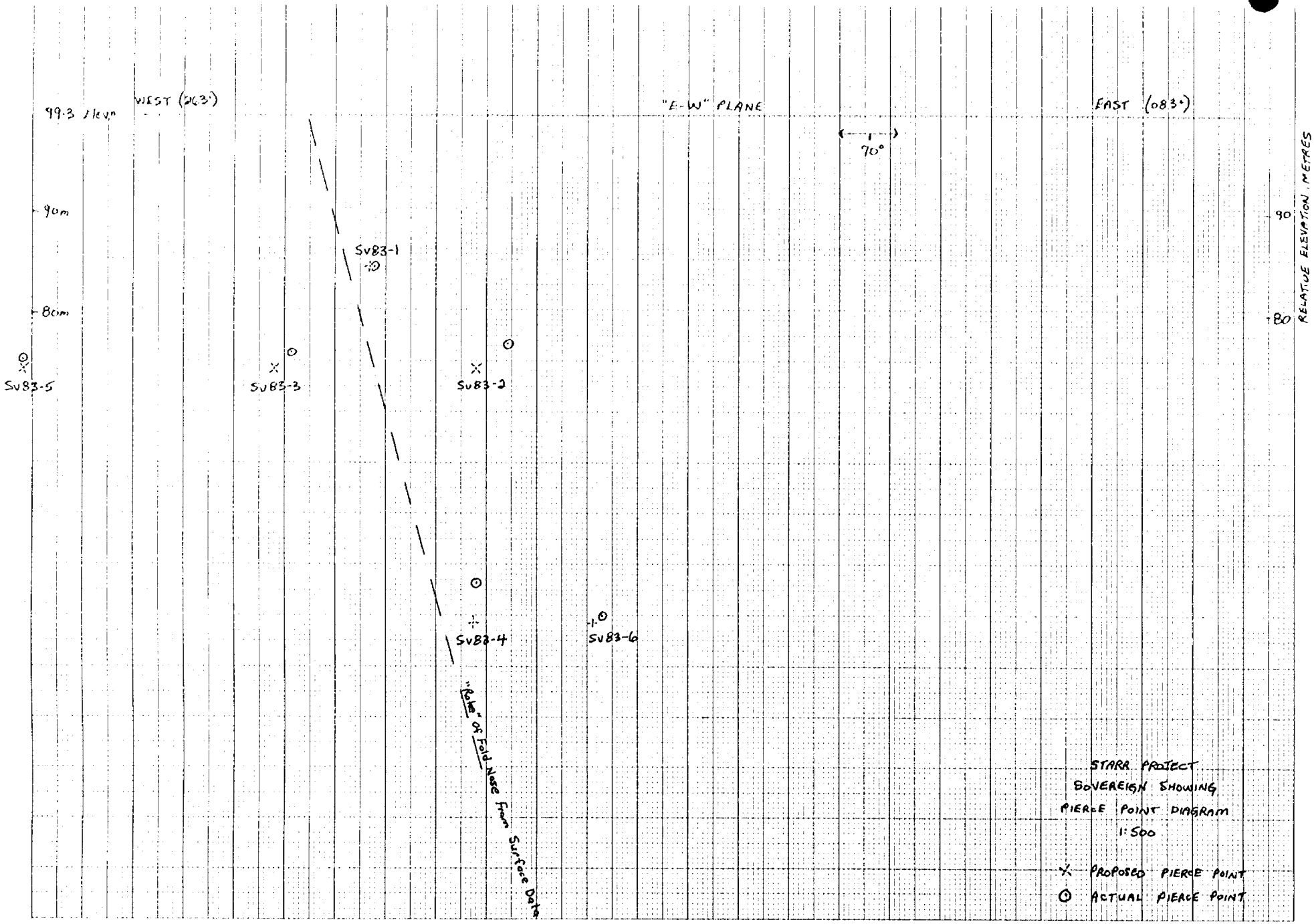
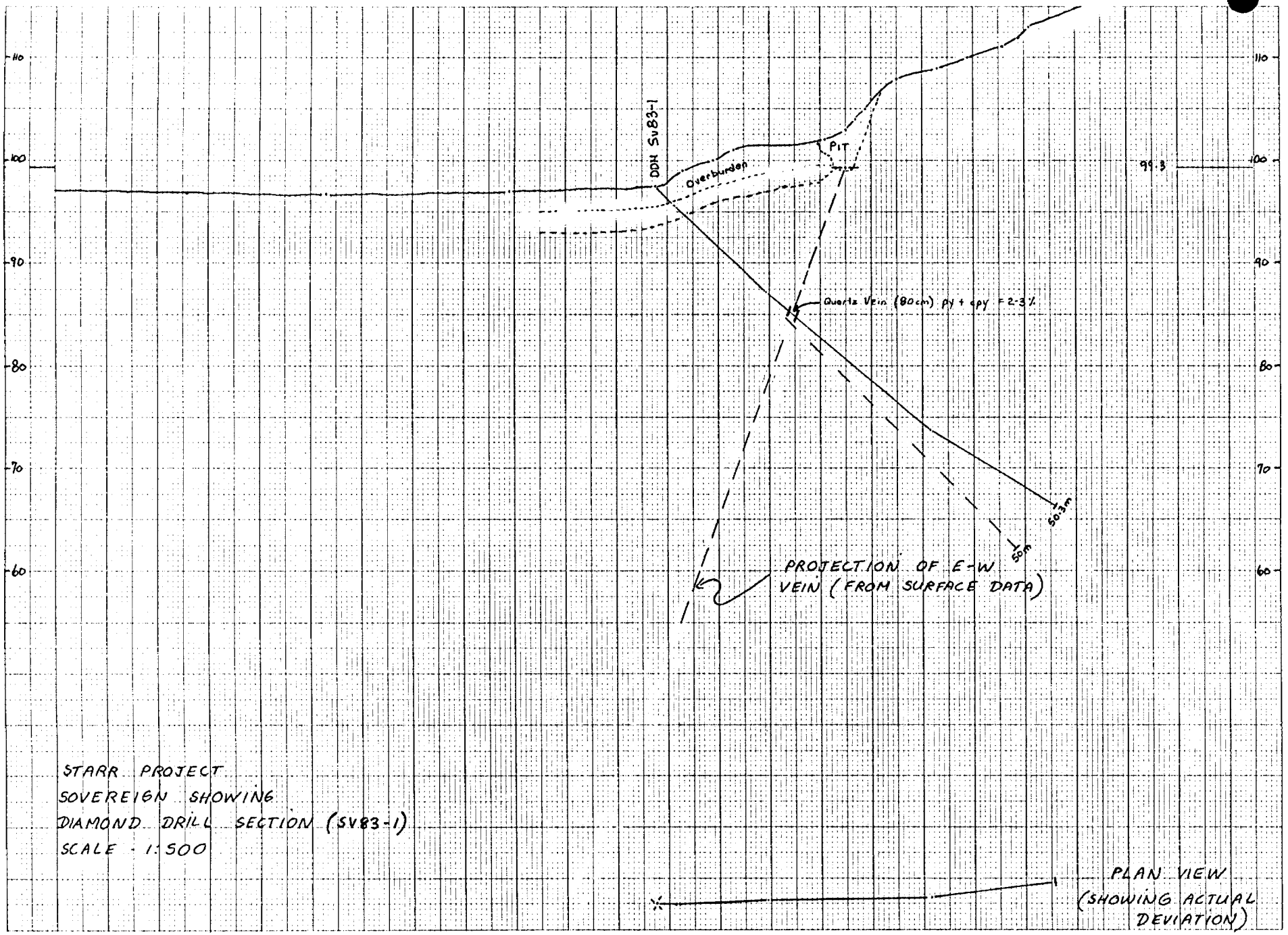
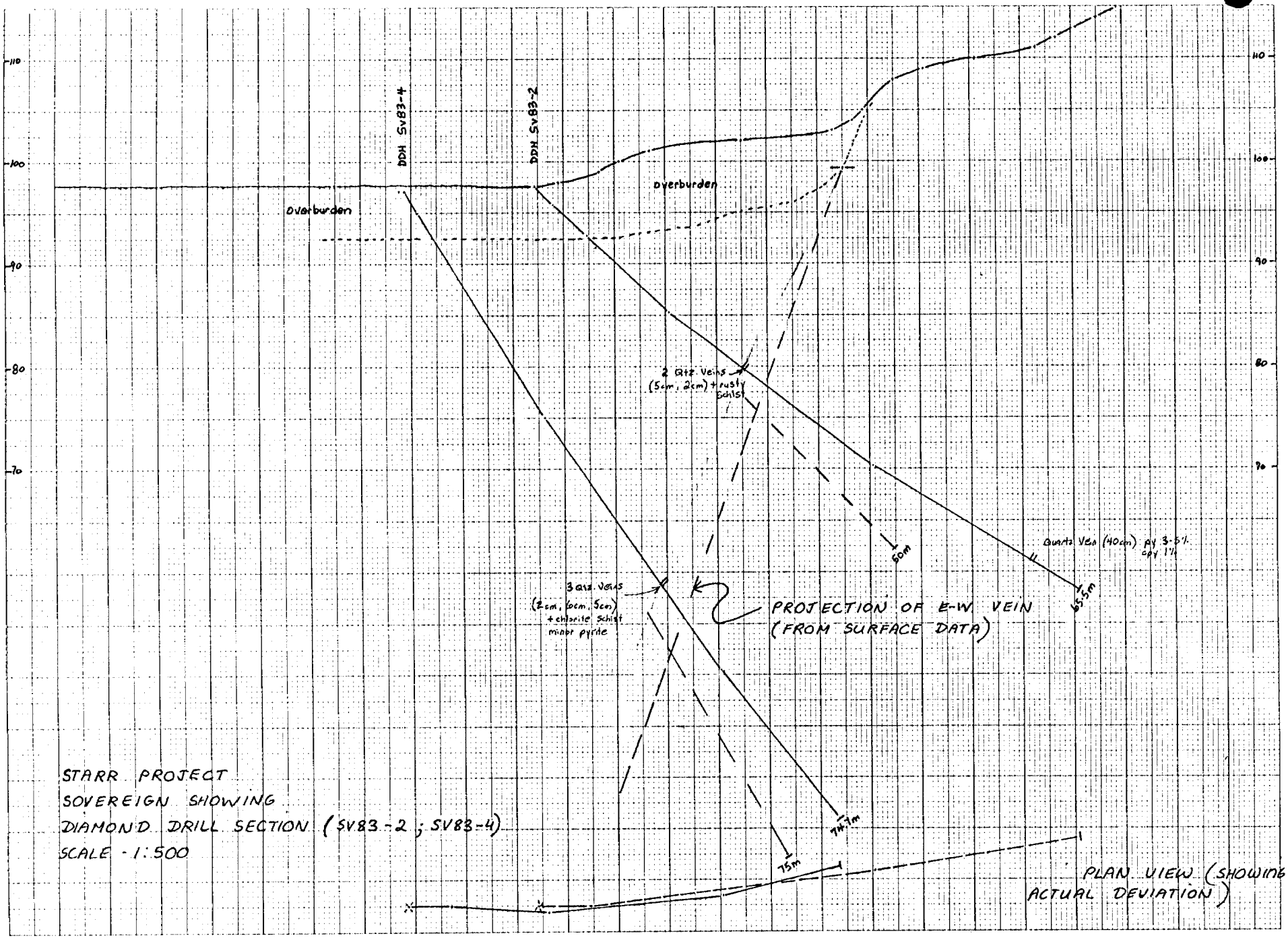
14+00W
0+50W
BL
0+50E
14+00E


0+50W
0+25W
0+25E
BASELINE
9175N
9150N
9125N
9N
N
MAG (4° E)
SVB3-6
SVB3-4
SVB3-2
SVB3-1
SVB3-3
SVB3-5
"E-W" PLANE
085°
Area of Fold Nose
BASE OF CLIFF
CLIFF TOP
B.L.
STAKE PROJECT
SOVEREIGN SHOWING
PLAN VIEW - DIAMOND DRILL HOLES
1:500
CLAIM No 589052


WEST (263°)
"E-W" PLANE
EAST (083°)
99.3 Elevn
90m
80m
70°
90
80
RELATIVE ELEVATION, METRES
SV83-1
SV83-5
SV83-3
SV83-2
SV83-4
SV83-6
"Reef" or Fold Nose from Surface Data
STARA PROJECT
SOVEREIGN SHOWING
PIERCE POINT DIAGRAM
1:500
PROPOSED PIERCE POINT
ACTUAL PIERCE POINT

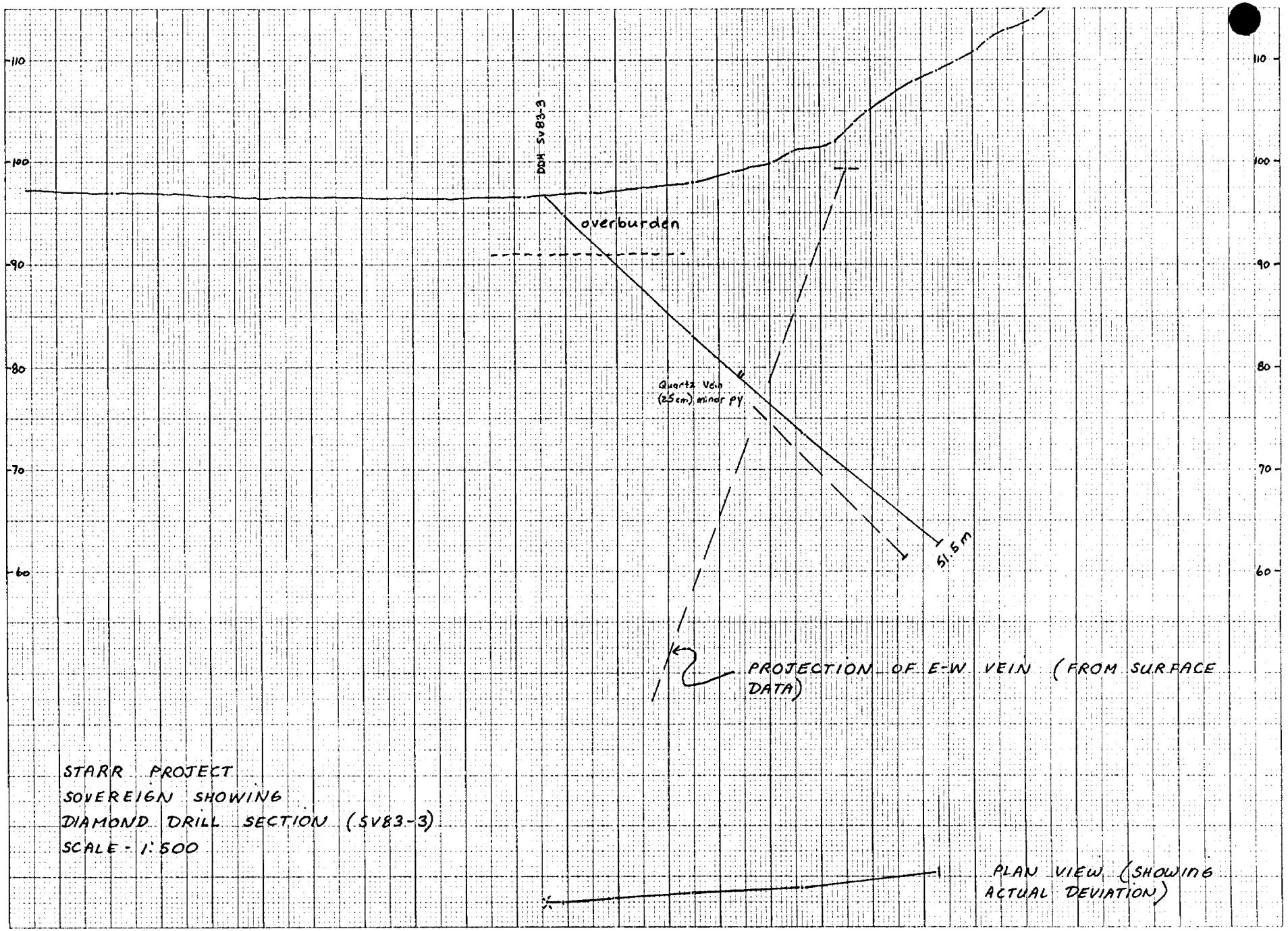


STARR PROJECT
SOVEREIGN SHOWING
DIAMOND DRILL SECTION (SV83-1)
SCALE - 1:500



STARR PROJECT
SOVEREIGN SHOWING
DIAMOND DRILL SECTION (SV83-2; SV83-4)
SCALE - 1:500

PLAN VIEW (SHOWING ACTUAL DEVIATION)



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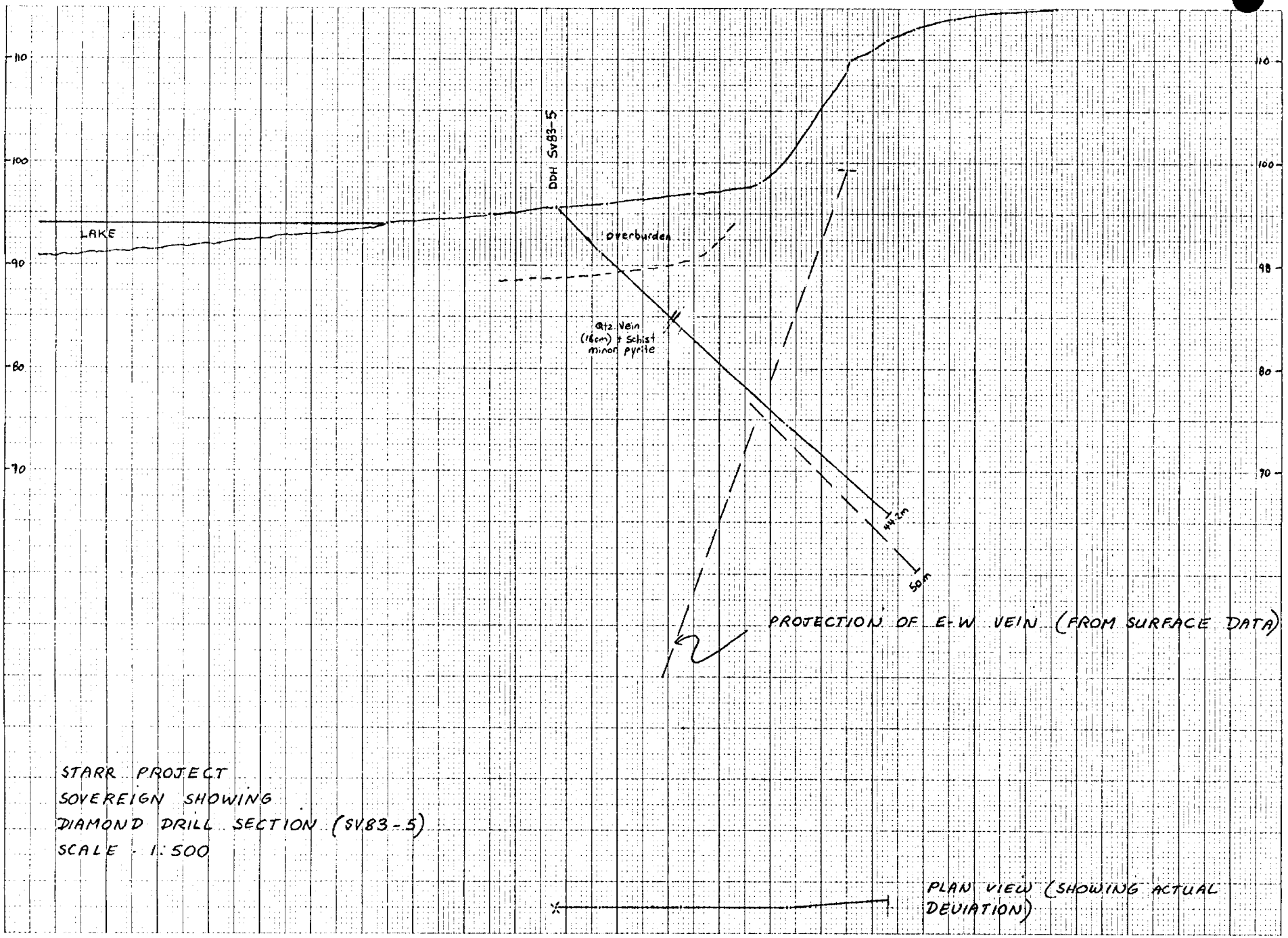

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DIAMOND DRILL SECTION (SV83-5)
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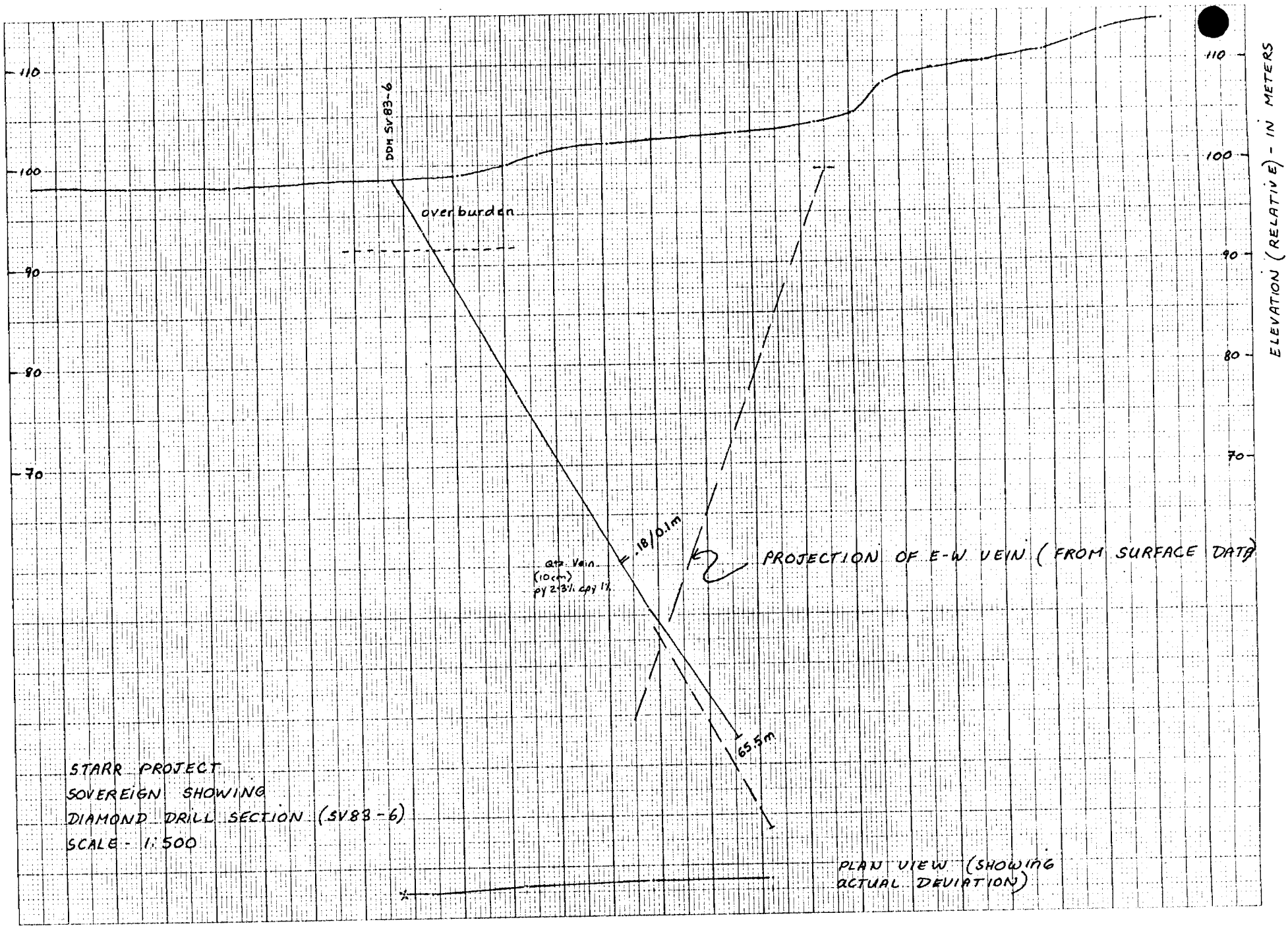
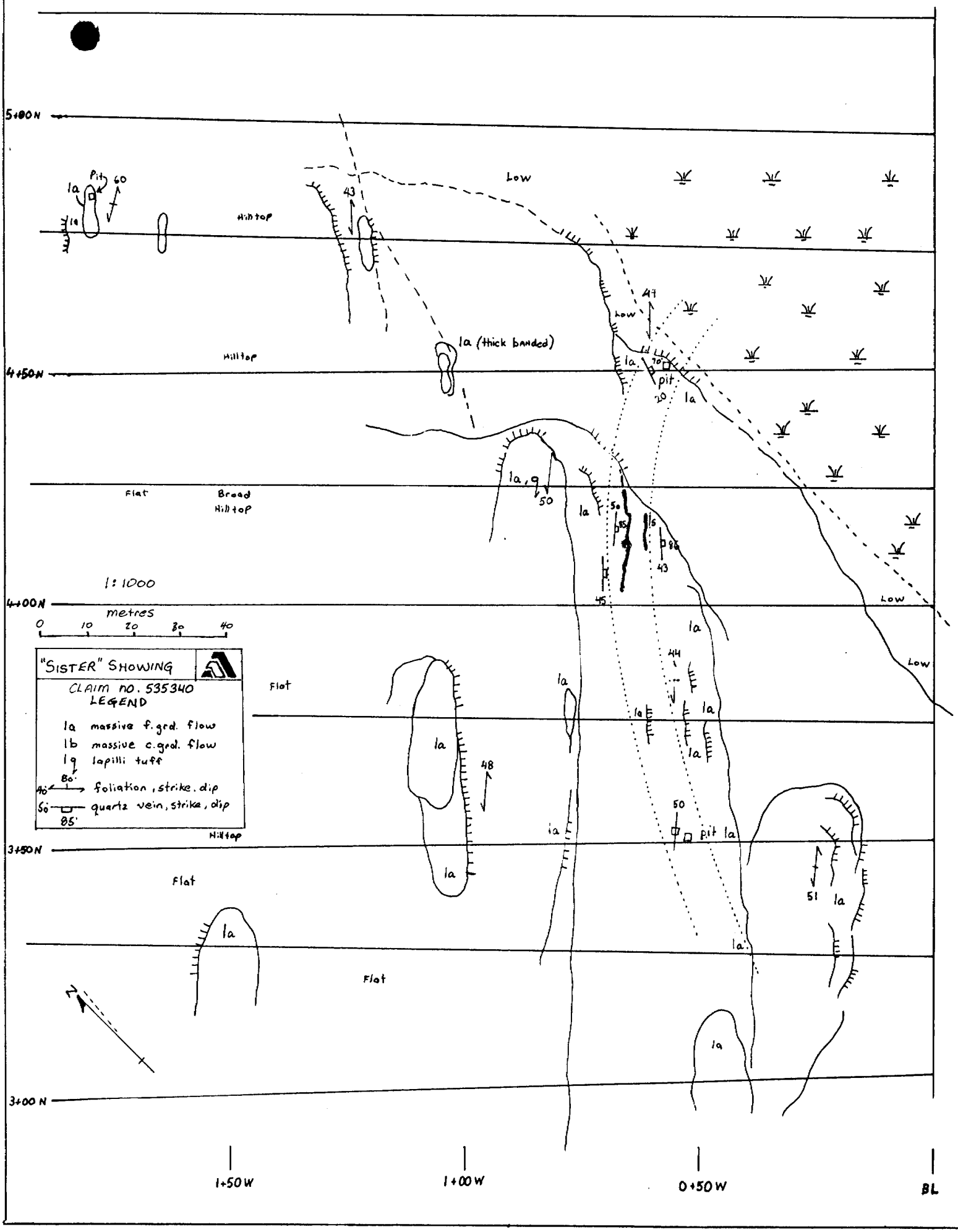
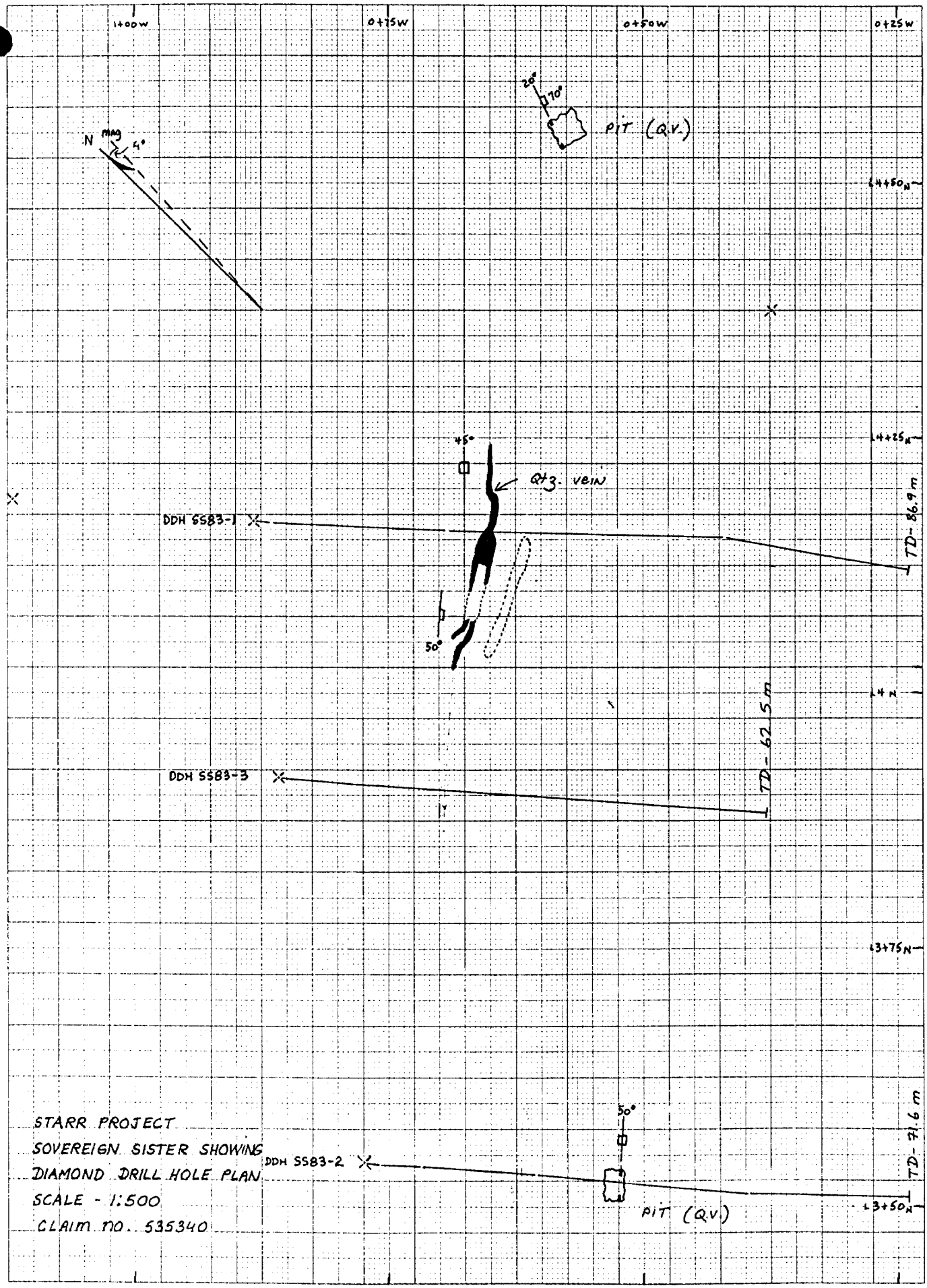
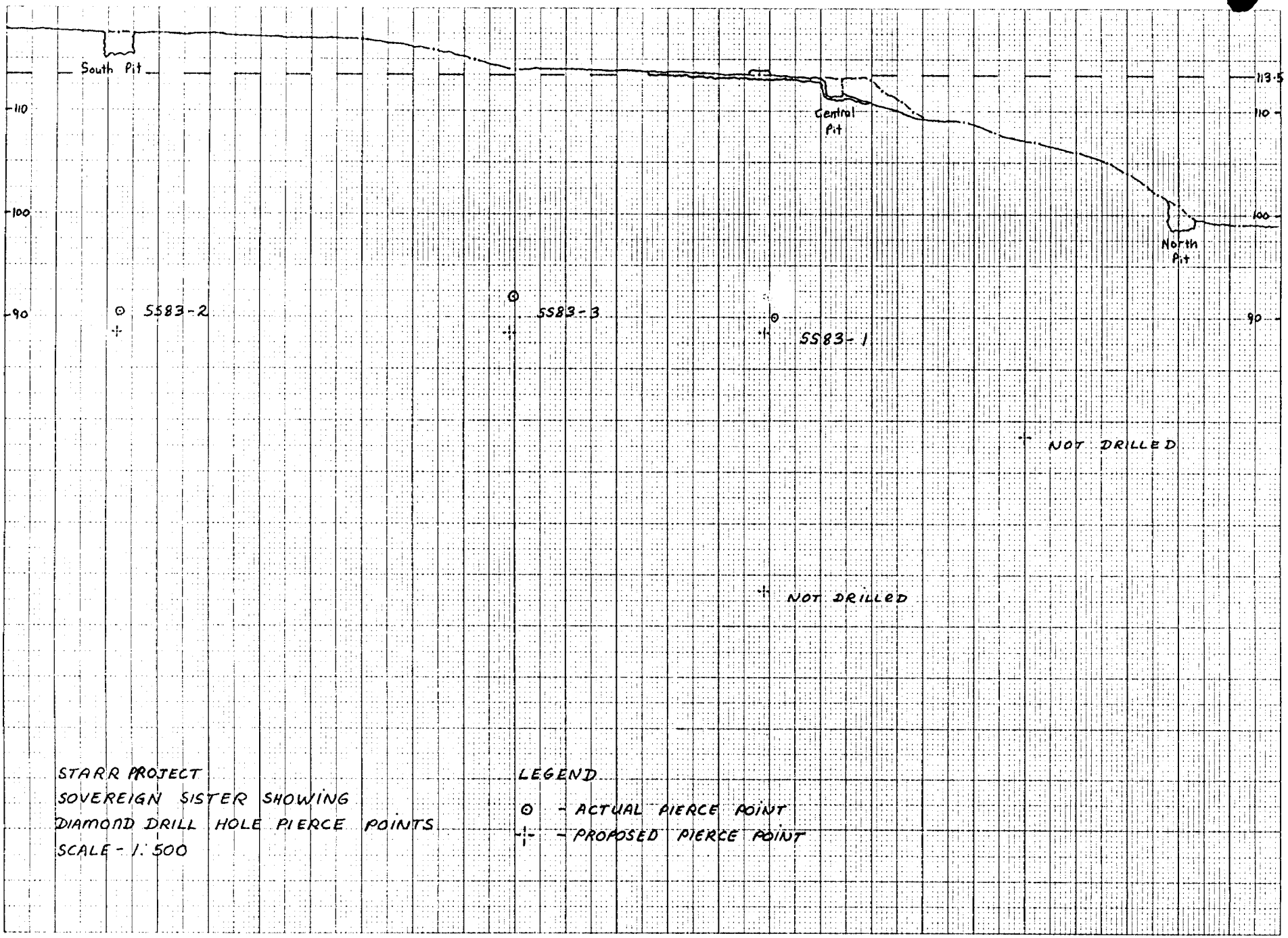



5+00N
4+50N
4+00N
3+50N
3+00N
1+50W
1+00W
0+50W
BL
Pit
60
43
Hilltop
Low
1a (thick banded)
49
70
pit
20
1a, q
50
Flat
Broad
Hilltop
1:1000
metres
0 10 20 30 40
"SISTER" SHOWING
CLAIM NO. 535340
LEGEND
1a massive f. grd. flow
1b massive c. grd. flow
1q lapilli tuff
80
40
foliation, strike, dip
So quartz vein, strike, dip
85
Hilltop
48
44
50
pit
51
Flat
N



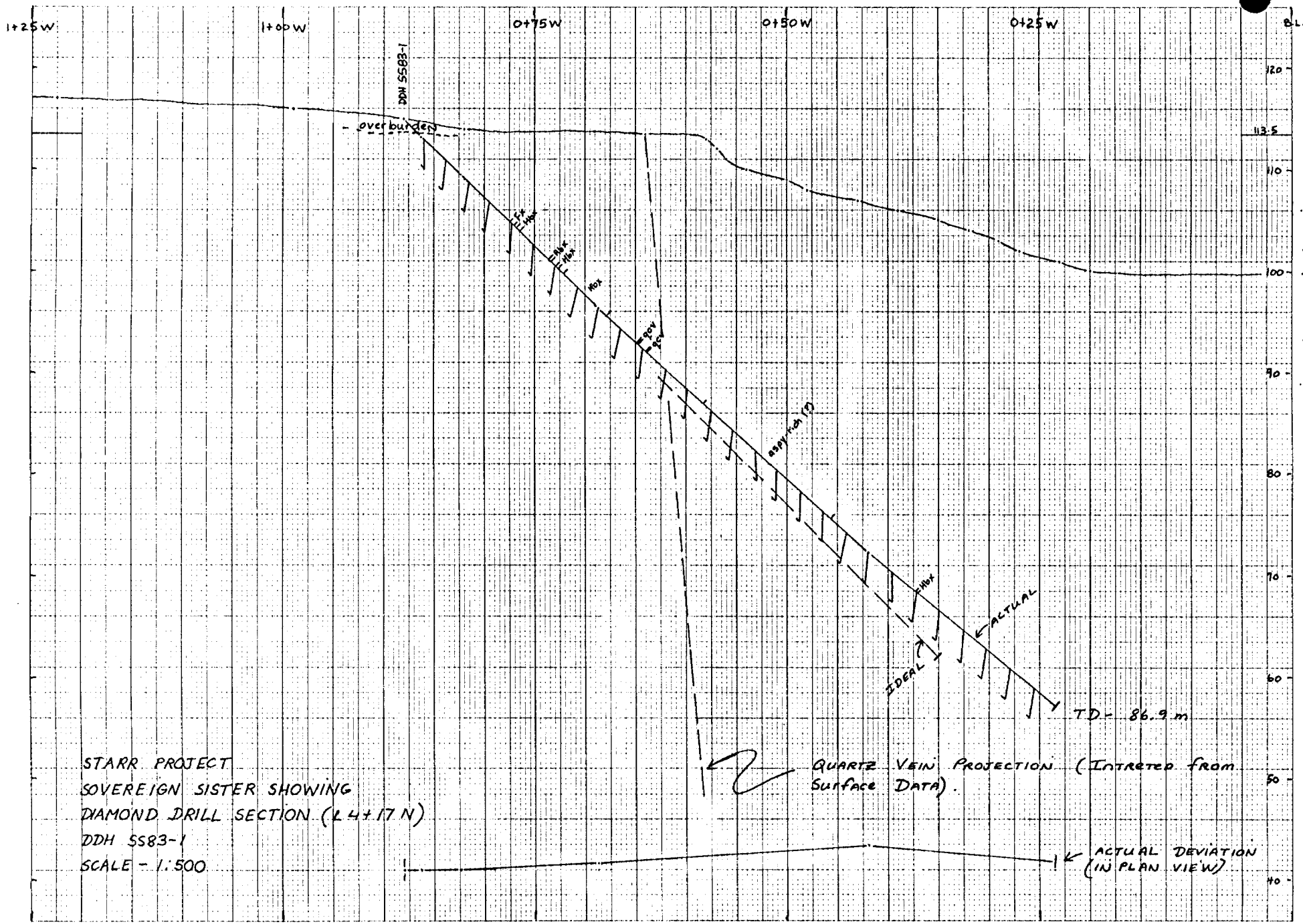
STARR PROJECT
SOVEREIGN SISTER SHOWING
DIAMOND DRILL HOLE PLAN
SCALE - 1:500
CLAIM NO. 535340

461510

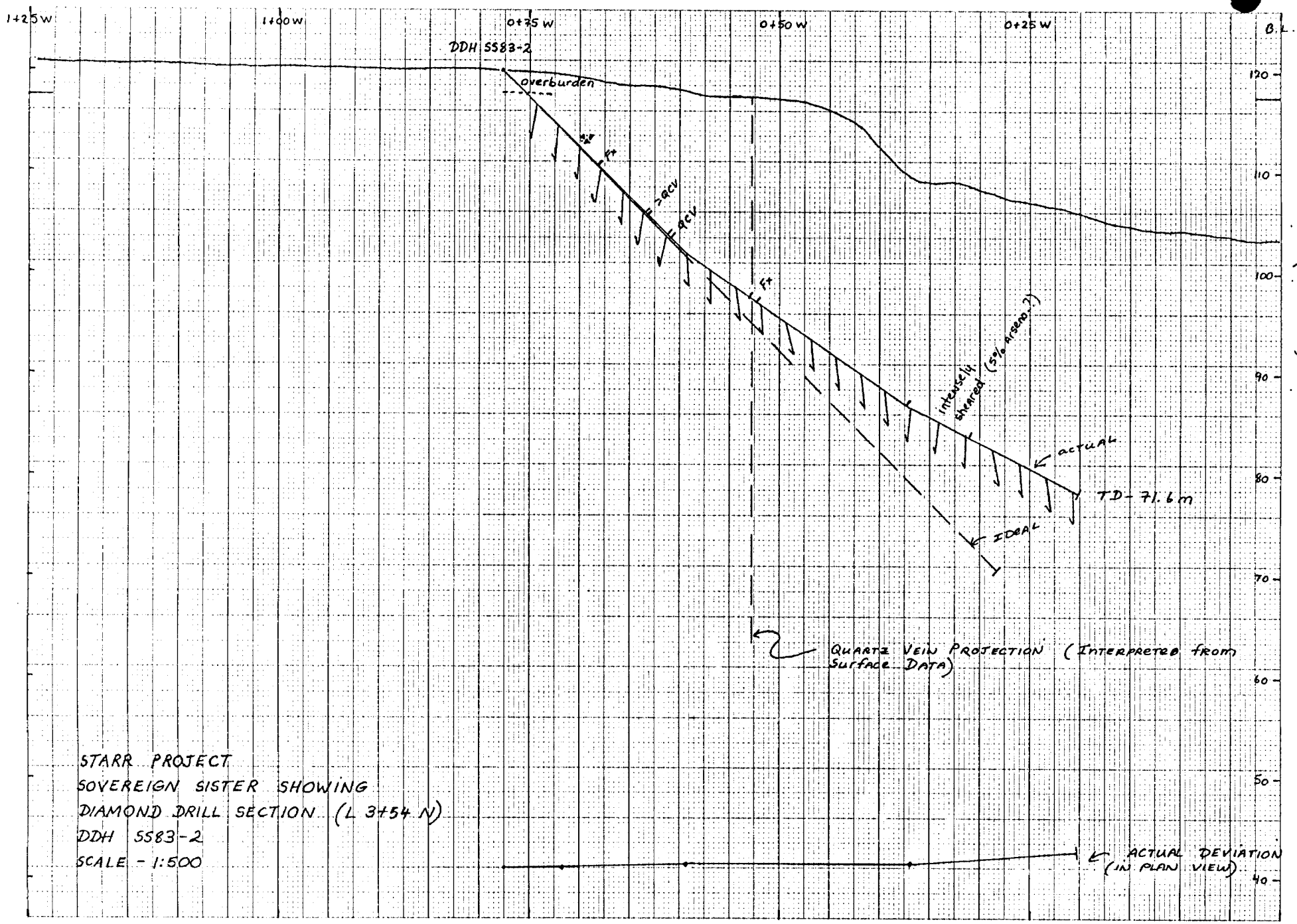


STARR PROJECT
SOVEREIGN SISTER SHOWING
DIAMOND DRILL HOLE PIERCE POINTS
SCALE - 1:500

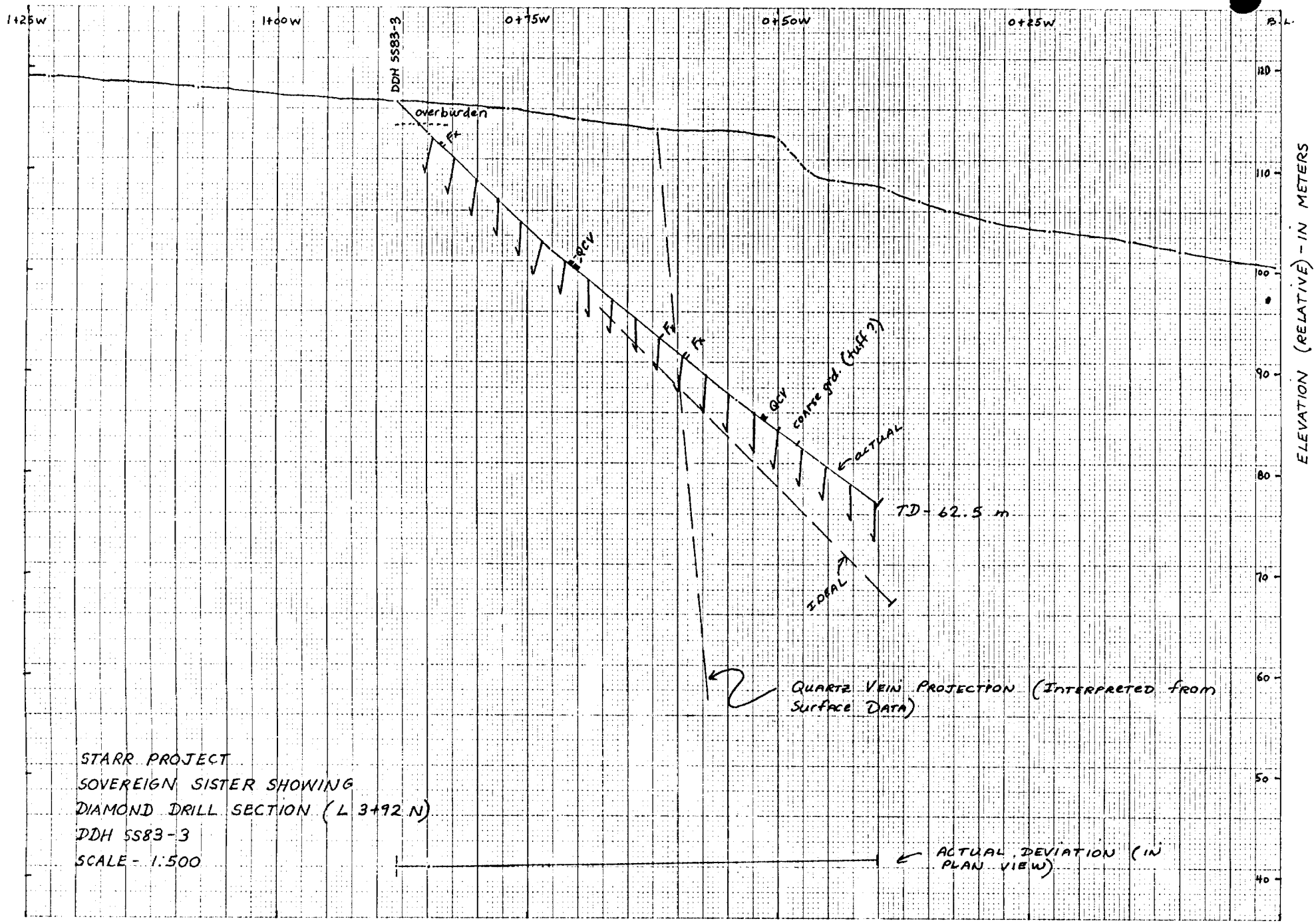
LEGEND
⊙ - ACTUAL PIERCE POINT
-|- - PROPOSED PIERCE POINT



STARR PROJECT
SOVEREIGN SISTER SHOWING
DIAMOND DRILL SECTION (L 4+17 N)
DDH SS83-1
SCALE - 1:500



STARR PROJECT
SOVEREIGN SISTER SHOWING
DIAMOND DRILL SECTION (L 3+54 N)
DDH 5583-2
SCALE - 1:500



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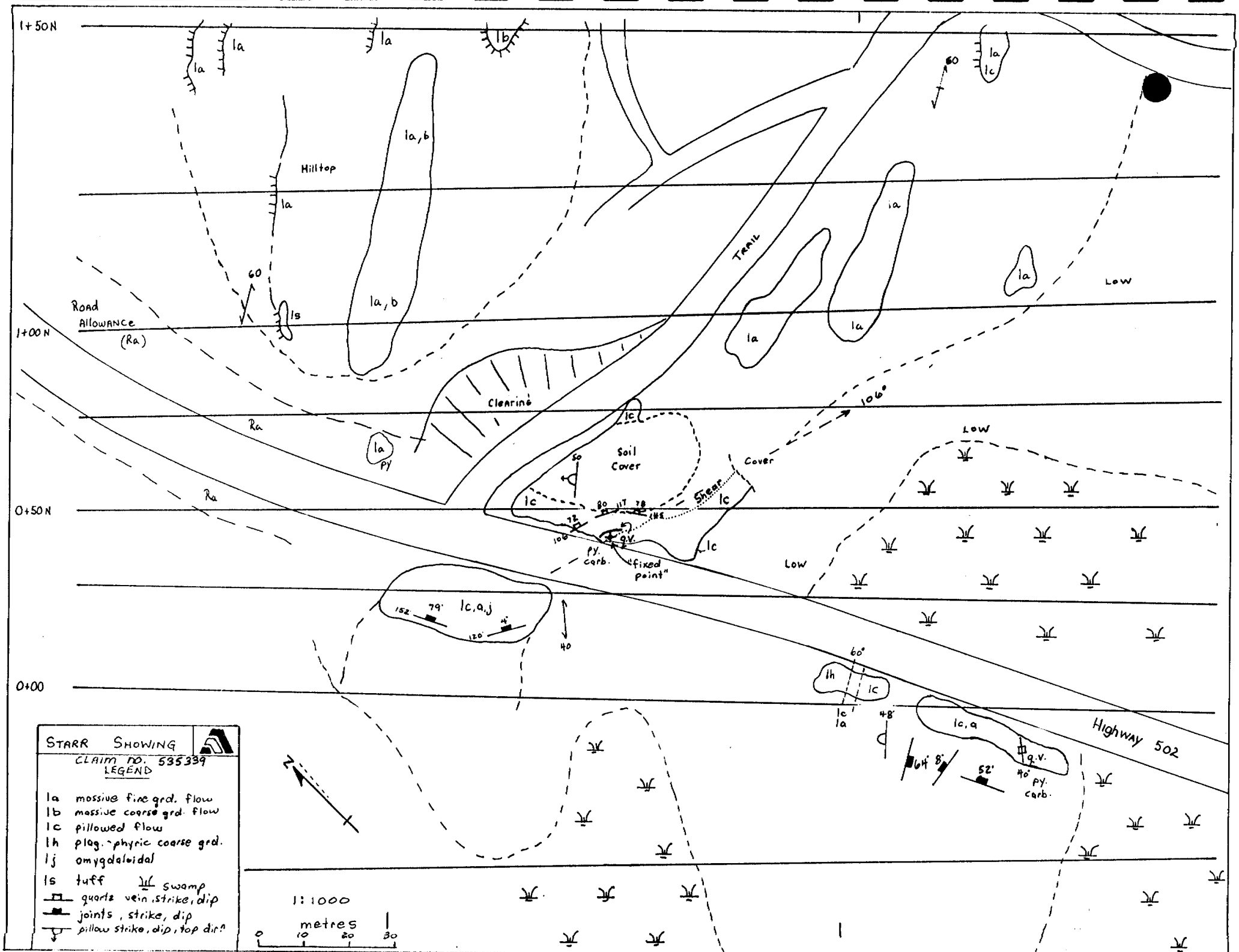
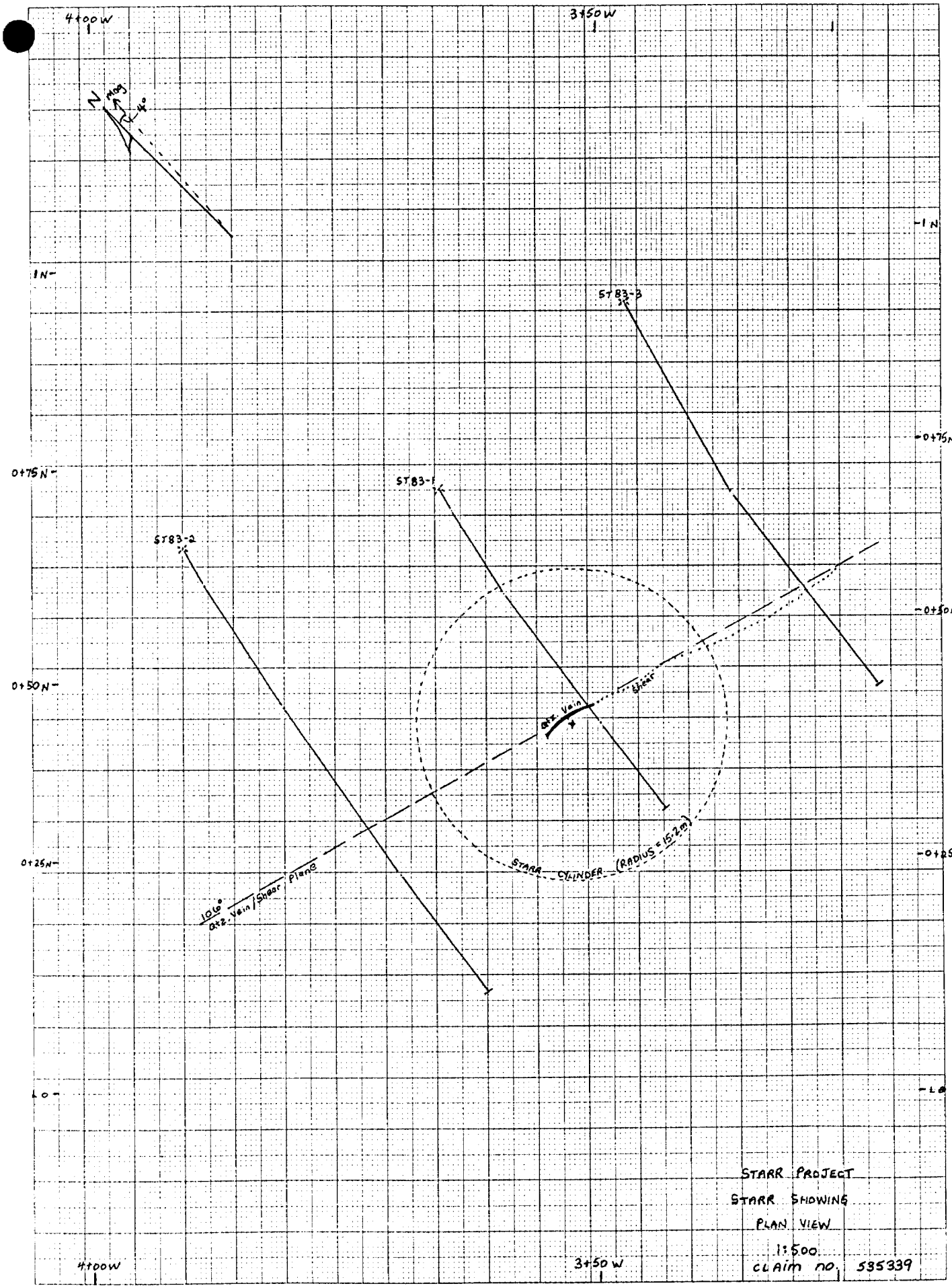
SOVEREIGN SISTER SHOWING
DIAMOND DRILL SECTION (L 3+92 N)
DDH SS83-3
SCALE - 1:500


1+50N
1+00N
0+50N
0+00
1a
1b
1c
1h
1j
1s
1a,b
1c,a,j
1c,a
Hilltop
Trail
Road Allowance (Ra)
Ra
Clearing
Soil Cover
Cover
Shear
Low
py.
py. carb.
q.v.
"fixed point"
Highway 502
STARR SHOWING
CLAIM NO. 535339
LEGEND
massive fine grd. flow
massive coarse grd. flow
pillowed flow
plag.-phyric coarse grd.
amygdaloidal
tuff
swamp
quartz vein, strike, dip
joints, strike, dip
pillow strike, dip, top dir?
1:1000
metres
0
10
20
30



STARR PROJECT

STARR SHOWING

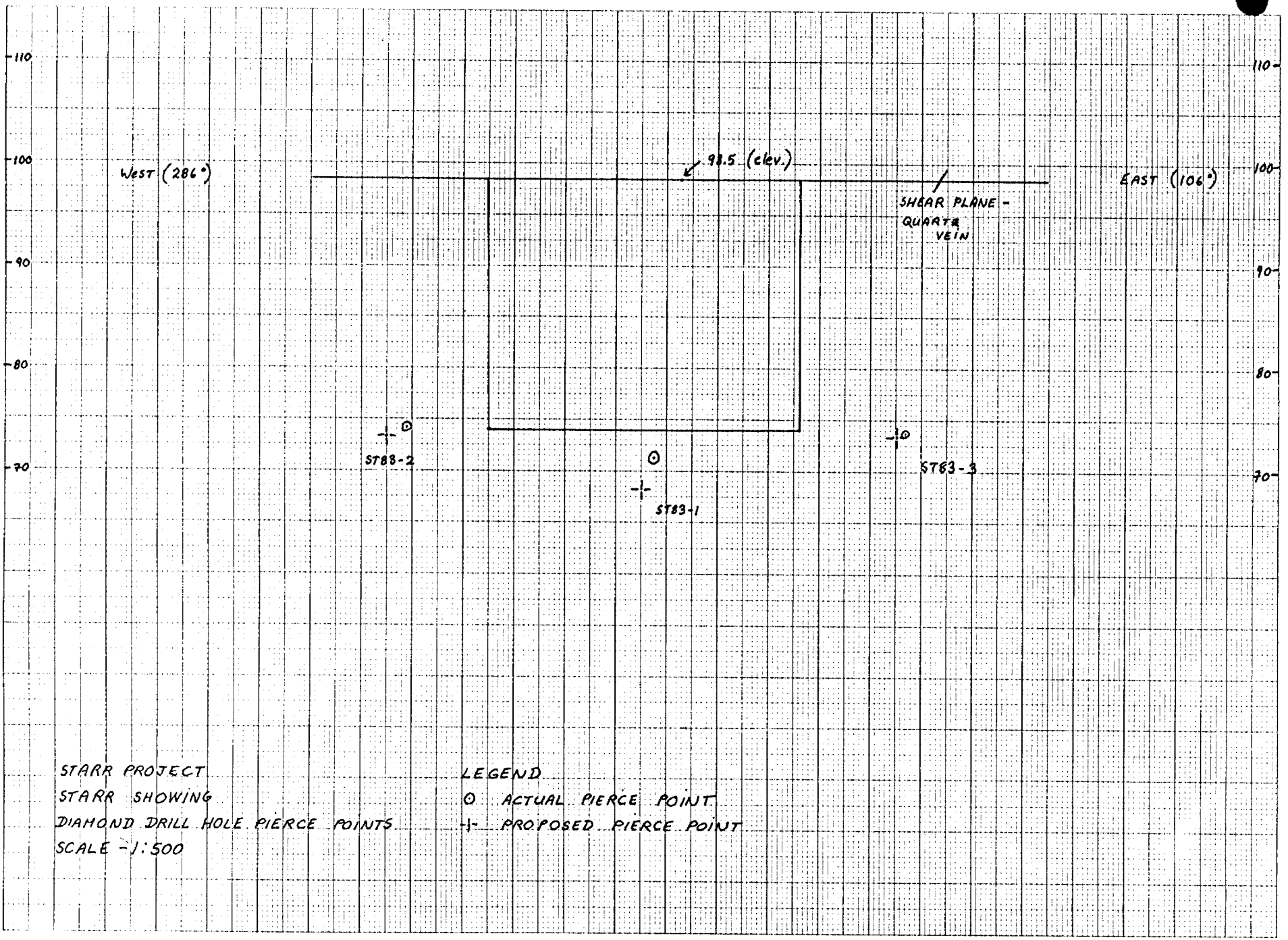
PLAN VIEW

1:500.

CLAIM NO. 535339

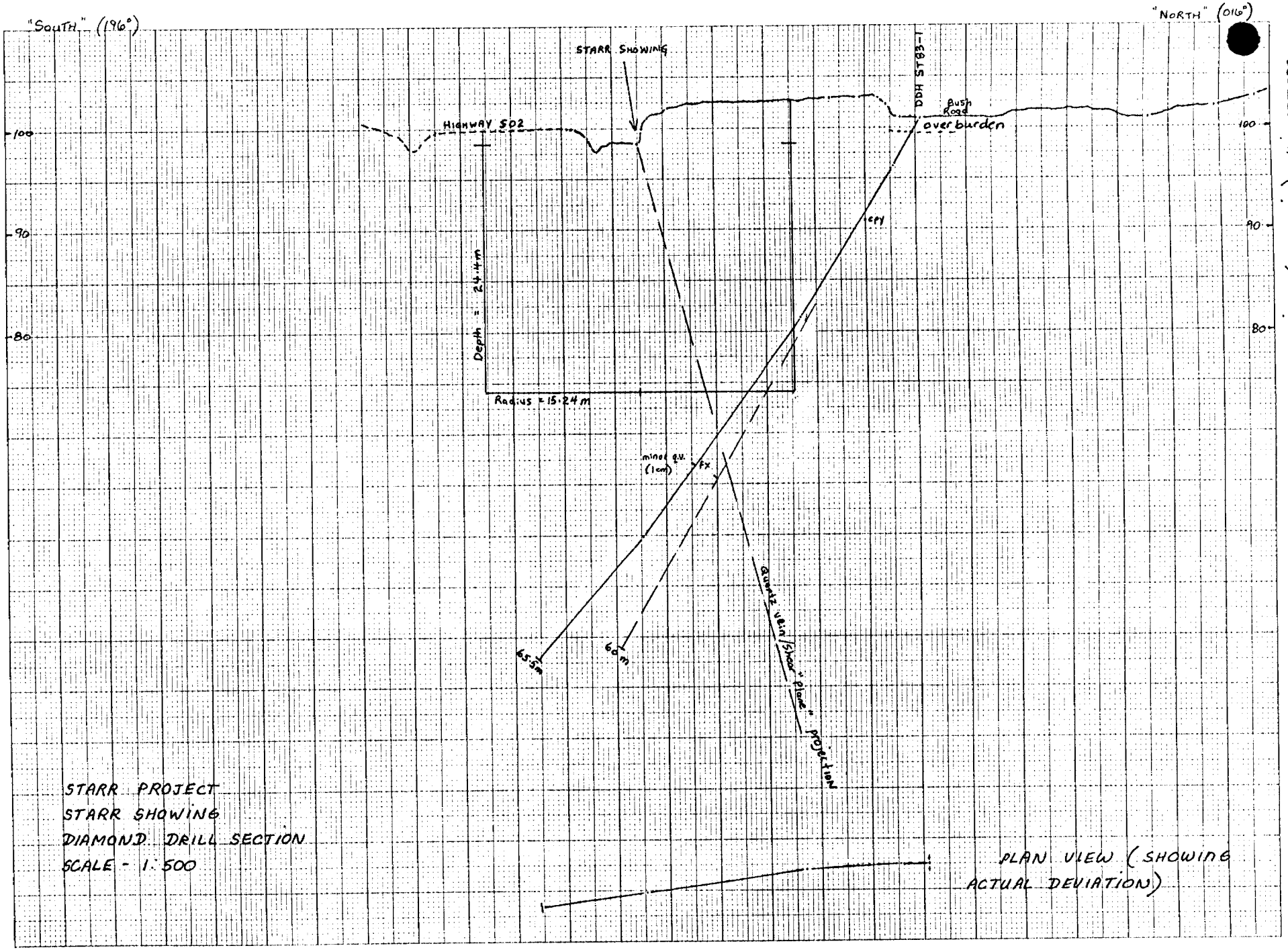
461510

10 X 10 TO THE CENTIMETER 18 X 25 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.



STARR PROJECT
STARR SHOWING
DIAMOND DRILL HOLE PIERCE POINTS
SCALE - 1:500

LEGEND
⊙ ACTUAL PIERCE POINT
-|- PROPOSED PIERCE POINT



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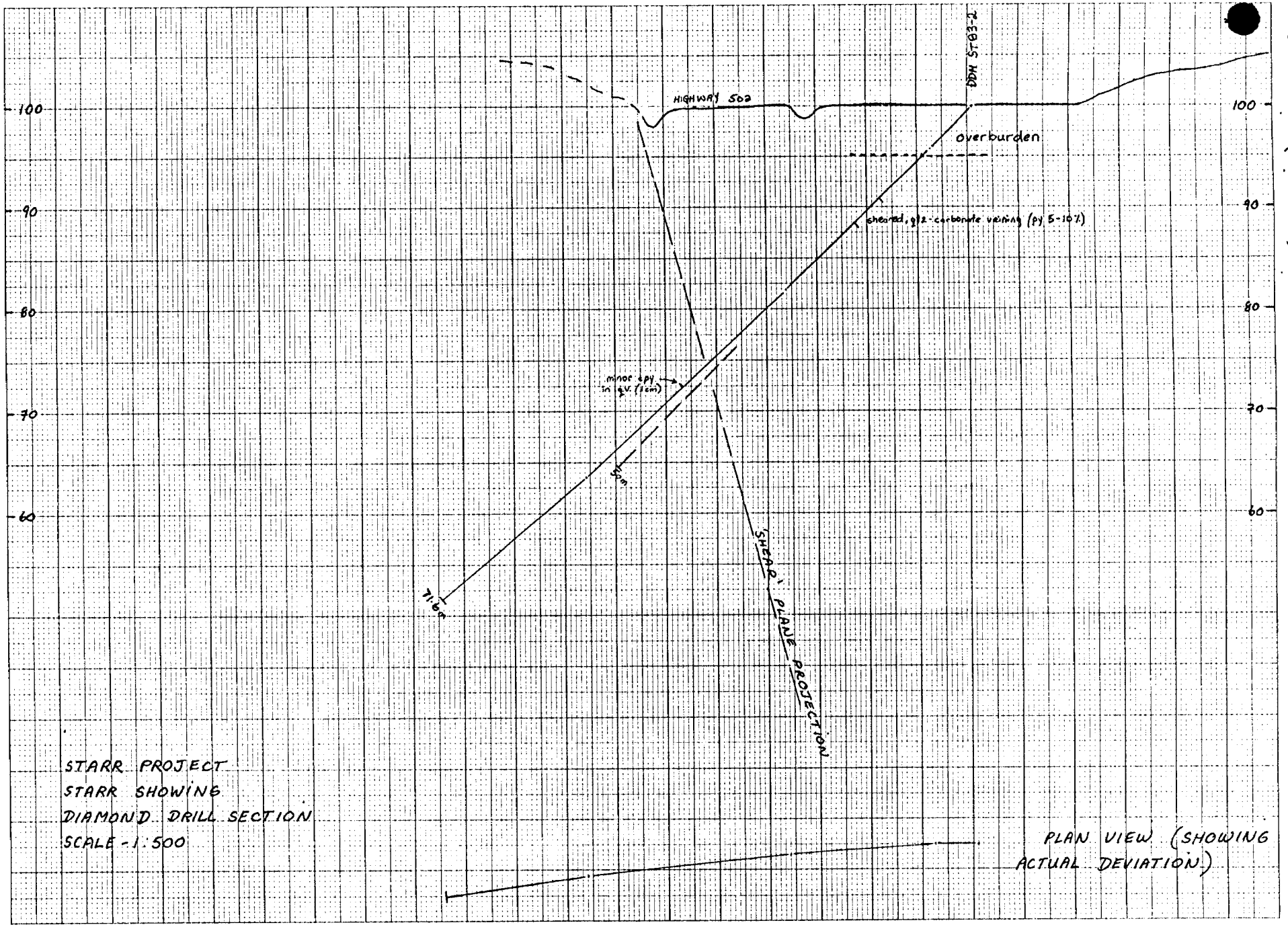
STARR SHOWING
DIAMOND DRILL SECTION
SCALE - 1:500



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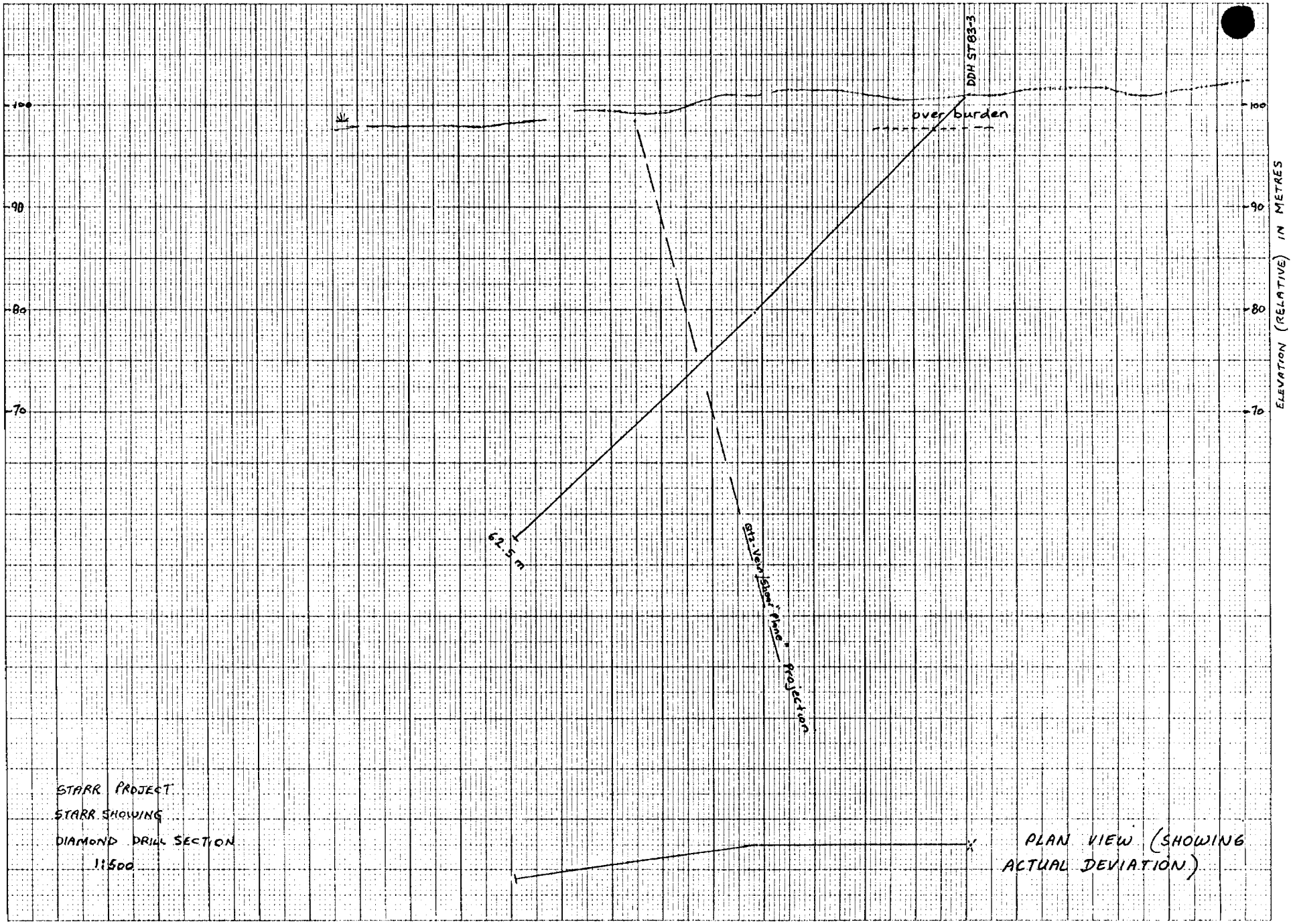
STARR SHOWING
DIAMOND DRILL SECTION
SCALE - 1:500



STARR PROJECT
STARR SHOWING
DIAMOND DRILL SECTION
1:500

PLAN VIEW (SHOWING ACTUAL DEVIATION)

Diamond Drilling Log

Fill in on every page → Hole No. SV83-1 | Page No. 1/3

Drilling Company: MORISSETTE	Collar Elevation: 398.2	Bearing of hole from true North: 173	Total meters: 50.3	Dip of Hole at: 0 m Collar 45/173°; 5 m 43/171°; 24.4 m 40/172°; 48.8 m 31/166°; m	Location of hole in relation to a fixed point on the claim: L9 + 36N, 0 + 09W
Date Hole Started: Aug 19/83	Date Completed: Aug 20/83	Date Logged: Aug 20	Logged by: R. Shives		Map Reference No.: M-2663
Exploration Co., Owner or Optionee: ASAMERA INC. Calgary		Date Submitted	Submitted by (Signature)		Claim No.: K589052
					Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area - District of Kenora Plan No. M-2663
					Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle*	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag	As
0	4.1	Overburden and casing										
4.1	16.7	Chlorite Schist	(chloritized, sheared metabasalt) light green, well foliated, containing stretched, elongated fragments predominantly less than 2mm long but locally 3-4 cm long; pyrite 1-2%, along foliation; dipslip slickensides common; "clean" open fractures average 4-5 metre; unit effervesces readily throughout, and is very tuff-like in appearance. The elongated fragments are likely remnant plagioclase XLS in what was originally a plagioclase-phyric basalt.									
			A narrow rust-stained zone, weakly sheared, 13.2-13.7 is cut by 5 rusty fractures (20° TCA); 2 additional rusty fractures occur at 15.3 and 15.5 m (20° TCA), striking 30° to strike of foliation rare thin (4mm) clean white carbonate-rich stringers parallel the foliation.			2551	13.0	13.3	30	.006	.16	
						2552	13.3	13.6	30	.004	.02	
						2553	13.6	13.9	30	.002	.06	
						2554	13.9	14.2	30	.004	.02	
16.7	17.9	Massive Metabasalt	dark green fine grained predominantly massive mafic metabasalt; Subtle foliation locally. becomes high angle to core axis towards quartz vein below; moderate chloritization becomes stronger towards quartz vein, and basalt becomes light green; slickensides downdip of foliation are common; upper contact of this unit with "tuff-like" sheared unit above is irregular, not well defined.			2555	16.7	17.0	30	.004	.28	
						2556	17.0	17.3*	30	Tr	.08	
						2557	17.6*	17.9	30	.002	.10	
							*Core loss 17.3-17.6					
17.9	18.7	Quartz Vein	(80cm) contacts irregular, contorted - upper approx. 55° TCA - lower approx. 35° TCA clean white quartz containing abundent wispy black mafic stringers having no consistent orientation; sulphides (2-3%) as pyrite and chalcopyrite are restricted to within 10 cm of upper and lower vein contacts - No sulphides observed within the central portion of vein; small clots and thin hairline stringers of carbonate occur throughout the quartz vein (effervesce readily) this vein likely represents down dip extension of fold nose, having similar appearance and thickness; thin flakes of a shiny white metallic mineral occurring quartz boundaries may be arsenopyrite (<1%)			2558	17.9	18.3	40	.012	.12	
						2559	18.3	18.7	40	.002	.02	

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

Diamond Drilling Log

Drilling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar	Dip/Az °	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Hole No. SV83-1	Page No. 2/3
Date Hole Started	Date Completed	Date Logged	Logged by		m	°			Claim No. K589052	
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		m	°			Location (Twp., Lot, Con. or Lat. and Long.) Turtlepond Lake Area, District of Kenora, Plan No. M-2663	
					m	°			Property Name STARR PROJECT	

Fill in on every page

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag	As
18.7	23.0	Mixed Sheared/ Massive Metabasalt	Alternating units of a) sheared "tuff-like" metabasalt similar to 4.1-16.7 above, but containing coarser fragments and b) very fine grained massive weakly foliated metabasalt with no fragments.			2560	18.7	19.0	30	.004	.10	
			contacts between these coarse and very fined grained units are commonly sharp, parallel to foliation, shearing.			2561	19.0	19.3	30	.004	.04	
			minute pyrite cubes common throughout coarser textured zones but not observed in fine grained units.			2562	19.3	19.6	30	.002	Tr	
			fractures average 4-5 per metre.									
23.0	36.4	Massive Metabasalt	dark green very fine grained massive to weakly foliated metabasalt commonly containing thin quartz-carbonate stringers; Four wider quartz carbonate veins occur at 23.8 (2.5 cm wide) 24.7 (4 cm wide) 25.5 (3 cm) and 28.1 (2.5 cm)									
			the latter vein cuts siliceous zone 24.7-28.4			2564	28.0	28.1	10	Tr	Tr	
			Below 32m narrow plagioclase-phyric zones occur intermittently, but do not dominate.									
36.4	44.0	Plag-phyric Basalt	Uniform throughout, dark green medium grained plagioclase-phyric basalt peppered with small (3-4mm) rounded, elongated plagioclase clots; elongation parallels foliation; fine grained plag-free zones rare.									
			hairline carbonate filled fractures common throughout (these rarely exceed 5mm wide)									
			- traces pyrite (<1%) locally, barely visible with naked eye.									
44.0	50.3	Sheared Metabasalt	finer grained than above, this unit contains fewer plag clots									
			strong shearing gives a "tuff-like" appearance; at E.O.H., this unit is very hard, competent, medium to dark green, rings when struck with hammer; pyrite (1%) throughout as minute cubes within sheared foliation and near borders of carbonate veinlets									
			a zone of coarse grained quartz-carbonate veinlets occurs 45.5 to 46.3 and contains traces sulphides.			2563	46.0	46.3	30	Tr	.06	

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional Assay Certificate(s) See Assay Report No. [illegible]

Diamond Drilling Log

Drilling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az °	Location of hole in relation to a fixed point on the claim.	Fill in on every page	Hole No.	Page No.
					Collar			SV83-1	3/3
Date Hole Started	Date Completed	Date Logged	Logged by		m °		Map Reference No.	Claim No.	
								K589052	
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		m °		Location (Twp., Lot, Con. or Lat. and Long.)		
					m °		Turtlepond Lake Area. District of Kenora Plan No. M-2663		
					m °		Property Name		

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag	As
	50.3		END OF HOLE			Magnetic, NOT corrected for Mag. declination						
			Recovery: 4.1 - 17.4 100%									
			17.4 - 17.8 70%									
			17.8 - 50.3 100%									

TROPARI RESULTS

Depth	Dip	AZ
0	45	169
5	43	167
24.4	40	168
48.8	31	162

Foliation Angles (° To Core Axis)

Depth (m)			
4	50°	19	45°
5	45°	21	55°
6	55°	22	57°
7	48°	23	65°
8	50°	31	45°
9	55°	32	45°
10	53°	34	50°
11	53°	35	40°
12	55°	37	50°
13	50°	38	45°
14	55°	40	50°
15	55°	41	47°
16	58°	44	45°
17	70°	47.5	50°
17.8	65° (5cm above qtz vein)	48	55°
		49	65°
		50	60°

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

SAMPLE DESCRIPTIONS

Drill Hole No. SV83-1

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2551	13.0	13.3	30 cm	Rusty fractured zone within sheared "tuff like" metabasalt (plagphyric) py 1-2%	0.006	0.16		
2552	13.3	13.6	30 cm		0.004	0.02		
2553	13.6	13.9	30 cm		0.002	0.06		
2554	13.9	14.2	30 cm		0.004	0.02		
2555	16.7	17.0	30 cm	Fine grained dark green moderately to strongly chloritized massive to weakly foliated metabasalt; becomes sheared near q.v.	0.004	0.28		
2556	17.0	17.3 *	30 cm		Tr	0.08		
2557	17.6 *	17.9 *	30 cm		0.002	0.10		
2558	17.9	18.3	40 cm	White crystalline quartz vein with abundant black mafic stringers (py + cpy = 2-3%, only near upper & lower contacts: none in centre of q.v.) tr. shiny white sulphide (aspy?)	0.012	0.12		
2559	18.3	18.7	40 cm		0.002	0.02		
2560	18.7	19.0	30 cm	As for 16.7 - 17.9 above	0.004	0.10		
2561	19.0	19.3	30 cm		0.004	0.04		
2562	19.3	19.6	30 cm		0.002	Tr		
2563	46.0	46.3	30 cm	Coarse grained "sweaty" quartz carbonate vein; trace pyrite	Tr	.06		
2564	28.0	28.1	10 cm	Qtz.-carbonate vein cutting siliceous dark green metabasalt; no sulphides	Tr	Tr		

*Lost core between 17.3 and 17.6

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-2	1/4

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at	Dip/Az
Morissette	398.4	173°	65.5 m	0 Collar	-45/173
				5 m	-43/173
				9 m	-43/166
				27 m	-37/166
				58 m	-31/164

Date Hole Started	Date Completed	Date Logged	Logged by	Date Submitted	Submitted by (Signature)
Aug. 21/83	Aug. 23/83	Aug. 23	R. Shives		

Exploration Co., Owner or Optionee: ASAMERA INC., Calgary

Location of hole in relation to a fixed point on the claim: L9 + 51.5 N, 0 + 11.5 W

Map Reference No.	Claim No.
M2663	K589052

Location (Twp., Lot, Con. or Lat. and Long): Turtlepond Lake Area, District of Kenora, Plan No. M2663

Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	7.6	Casing and overburden									
7.6	8.6	Metabasalt	-competent dark green fine grained mafic volcanic with subtle foliation; pyrite(3-5%) and chalcopyrite(1%) occur as disseminted clots within foliation and in narrow(2-5mm) quartz-carbonate veinlets which parallel foliation; rusty, slickensided fractures average 4 per metre.								
8.6	8.7	Carbonate vein	-effervesces violently with dilute HCl-massive cream coloured with no mafics, no sulphides; lower contact parallels foliation; upper contact is 90° to foliation and contains vugs filled with small quartz crystals.								
8.7	17.4	Chlorite Schist	-uniform throughout-strongly sheared, chloritized, fragmental "tuff-like" in appearance, this sheared metabasalt looks identical to that in DDH SV83-1 @ 4.1-16.7 m; coarse grained mottled light green with white, elongated wispy fragments(40%) dominatly less than 1cm but commonly stretched to 3cm long; the white carbonate veining noted above is absent here; sulphides(py) rare; fractures average 3-5 per metre; the core breaks readily along foliation/schistosity.								
17.4	27.0	Mixed Sheared/ Massive Metabasalt	-alternating intervals of mottled light green/white, sheared metabasalt (90%) as above (tuff-like), and darker green fine grained massive units(10%); narrow(3-10mm) white carbonate veinlets are common below 18m, cutting foliation and often irregular wispy stringers. The sheared fragmental zones effervesce readily-the massive zones do not; a single, weakly rust-stained fracture subparallels the core at 21.4-22.2; below, 26m± the foliation becomes sheared to a high core angle, progressively, towards the contact with the quartz vein below.			2565	26.1	26.4	30	.006	.04
						2566	26.4	26.7	30	.004	Tr
						2567	26.7	27.0	30	.004	.12

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

Diamond Drilling Log

Drilling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az °	Location of hole in relation to a fixed point on the claim.	Fill in on every page	Hole No.	Page No.
					Collar			SV83-2	2/4
Date Hole Started	Date Completed	Date Logged	Logged by		m		Map Reference No. M2663	Claim No. K589052	
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		m		Location (Twp., Lot, Con. or Lat. and Long.) Turtlepond Lake Area, District of Kenora, Plan No. M2663		
					m		Property Name STARR PROJECT		
					m				

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle °	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
27.0	27.3	Rusty Schist/Quartz Veins									
			-a narrow, rubbly, sheared, altered friable zone containing two narrow parallel "crackseal" quartz veins separated by 3cm of friable host rock; this represents the "E-W quartz vein system". The upper vein is 5cm wide (true width) and has wispy black mafic stringers near its borders; abundant very fine grained cubes of pyrite occur within the sheared volcanic host directly adjacent to the quartz vein. The lower quartz vein is 3cm wide (true width) with similar wispy mafics parellel to contacts (80°TCA). No sulphides visible within either vein. A third narrow (2cm) siliceous mafic stringer zone is also present, but does not contain a true quartz vein (i.e. very thin quartz veinlets-hairline).			2568	27.0	27.3	30	.012	Tr
27.3	53.0	Massive Metabasalt (locally Plagphyric)	-(identical to basalt in DDH SV83-1, below 23m)			2569	27.3	27.6	30	.004	.04
			-uniform throughout, competent very fine grained massive to weakly foliated mafic volcanic with abundant white carbonate veinlets and stringers cutting foliation; in places one set of veining offsets a previous set.			2570	27.6	27.9	30	Tr	Tr
			-locally, large elongated white plagioclase clots up to 2 or 3cm long define a subtle foliation; tiny straw soloured flecks (sphene?) abundant below 46m.								
			-fractures average 2-3 per metre (less than one per metre at 49-53)			2571	52.4	52.7		.002	Tr.
			-sulphides rare, with traces of pyrite only along open fractures			2572	52.7	53.0		.010	Tr
			-this interval effervesces readily throughout.								
53.0	53.5	Quartz-carbonate vein	-cream coloured with minor carbonate, abundant dark green wispy mafic stringers, traces of euhedral pyrite (cubes)			2573	53.0	53.3		.006	Tr
			-upper contact sharp, 25°TCA; lower contact irregular, 80°TCA ±			2574	53.3	53.6		.006	Tr
53.5	55.6	Brecciated, Sheared Metabasalt	-a healed breccia-shear zone containing contorted bands of light green fine grained basalt cut by irregular, contorted very coarse sugary textured quartz-carbonate veins; in places the basalt is brecciated containing large angular fragments, now healed; open			2575	53.6	53.9		Tr	.14
						2576	54.5	54.8		.004	.08

* For features such as foliation, bedding, schistosity, measured from the axis of the core

Diamond Drilling Log

Fill in on every page

Hole No. SV83-2 | Page No. 3/4

Drilling Company		Collar Elevation	Bearing of hole from true North / Total meters	Dip of Hole at Dip/Az °	Location of hole in relation to a fixed point on the claim.
Date Hole Started	Date Completed	Date Logged	Logged by	Collar	
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)	m	

Map Reference No. M2663 | Claim No. K589052

Location (Twp., Lot, Con. or Lat. and Long.)
Turtlepond Lake Area
District of Kenora
Plan No. M2663

Property Name
STARR PROJECT

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
			fractures rare; pyrite 2-4% within the quartz-carbonate veining, which, although contorted, averages 20°TCA.								
55.6	60.9	Sheared Metabasalt	-this strongly sheared "tuff-like" zone is identical to that in DDH SV83-1; grey-green, medium grained, well foliated; abundant pyrite (locally 3-5%) along shared foliation and within narrow quartz-carbonate healed fractures; open fractures average 2-3 per metre; a narrow (2-3 cm wide) quartz vein at 58.5-59.1 (sub-parallels core axis) is similar to vein at 53.0-53.3-contorted slickensided contacts and contains minor carbonate, moderate mafic stringer development with associated pyrite (2-3%) and cpy(1%)			2577	56.1	56.4	30	.002	.16
						2578	58.4	58.6	20	.020	.02
						2579	60.3	60.6	30	.004	Tr
						2580	60.6	60.9	30	.002	.02
60.9	61.3	Quartz Vein	-likely "Main Sovereign" quartz vein -upper contact 45°TCA -lower contact 60°TCA -clean white quartz, well marbled with black mafic stringers containing 1% pyrite; Pyrite ~5% in mafic host near contacts.			2581	60.9	61.3	40	.010	Tr
61.3	63.5	Sheared Metabasalt	-a sheared "tuff-like" zone similar to 55.6-60.9 above, peppered with rounded and angular <1mm dia. fragments along sheared foliation; pyrite 3-5% very finely disseminated throughout; narrow (2-4mm) quartz carbonate veining common; fractures average 2 per metre.			2582	61.3	61.6	30	.030	.06
						2583	61.6	61.9	30	.014	.02
63.5	65.5	Massive Metabasalt	-dark green fine grained metabasalt-shearing weakens towards E.O.H. (weak to none)-minute straw coloured flecks (sphene?) common -a narrow quartz-carbonate vein (<1cm wide) at 62.9 contains <1% chalcopyrite; fractures average 2 per metre.								

* For foliation, cleavage, bedding, schistosity, ... from the horizontal, add 90°

† ...

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-2	4/4

Drilling Company

Date Hole Started | Date Completed

Exploration Co., Owner or Optionee

Collar Elevation | Bearing of hole from true North | Total meters

Date Logged | Logged by

Date Submitted | Submitted by (Signature)

Dip of Hole at Dip/Az °*

	Collar	
m		°
m		°
m		°
m		°

Location of hole in relation to a fixed point on the claim.

Map Reference No.: M2663

Claim No.: K589052

Location (Twp., Lot, Con. or Lat. and Long.)
Turtlepond Lake Area
District of Kenora

Property Name
STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays †

Foliation angles (To Core Axis)

Depth	Angle	Depth	Angle	Depth	Angle
8m	45°	18m	50°	26.8m	65°
9	48°	19	55°	27.0	80°
10	48°	20	48°	27.5	75°
11	50°	21	58°	28.0	60° (subtle)
12	45°	22	55°	37.0	50° (subtle)
13	48°	23	55°	49.0	50° (subtle)
14	45°	24	50°	52	40°
15	55°	25	60°	56	65°
16	50°	26	58°	58	60°
17	50°	26.5	58°	60	65°
				62	50°
				64	55°

Tropari results

Depth	Dip	AZ (magnetic)
5m	43°	169°
9m	43°	162°
27m	37°	162°
58m	31°	160°

Recovery = 100%

* For features such as foliation, beddina, schistosity, measured from the long axis of the core

SAMPLE DESCRIPTIONS

Drill Hole No. SV83-2

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2565	26.1	26.4	30 cm	Sheared, moderately chloritized metabasalt shearing increases towards q.v. below	0.006	0.04		
2566	26.4	26.7	30 cm		0.004	Tr		
2567	26.7	27.0	30 cm		0.004	0.12		
2568	27.0	27.3	30 cm	".E.W." q.v. - 2 crackseal type q.v. (5 cm and 3 cm) bounded by sheared rubbly friable metabasalt. - q.v. contain NO sulphides, but contacts with wall rock have 3-5% py in wall rock	0.012	Tr		
2569	27.3	27.6	30 cm	Mod. chloritized, competent very fine grained weakly foliated metabasalt	0.004	0.04		
2570	27.6	27.9	30 cm		Tr	Tr		
2571	52.4	52.7	30 cm	fine grained plagioclase-phyric metabasalt weakly foliated to massive	0.002	Tr		
2572	52.7	53.0	30 cm		.010	Tr		
2573	53.0	53.3	30 cm	quartz-carbonate vein (80%) minor wall rock (20% max.) - abundant dark green wispy mafic stringers-trace pyrite.	0.006	Tr		
2574	53.3	53.6	30 cm		0.006	Tr		
2575	53.6	53.9	30 cm	fine grained, moderately chloritized massive metabasalt	Tr	0.14		
2576	54.5	54.8	30 cm	portion of sheared, quartz-carbonate veined metabasalt with abundant pyrite	0.004	0.08		
2577	56.1	56.4	30 cm	sheared "tuff-like" plag-phyric metabasalt with abundant pyrite.	0.002	0.16		
2578	58.4	58.6	20 cm	narrow qtz.-carbonate vein (parallel to core axis) trace pyrite	0.020	0.02		
2579	60.3	60.6	30 cm	sheared metabasalt (wall rock) 1% pyrite along foliation	0.004	Tr		
2580	60.6	60.9	30 cm		0.002	0.02		
2581	60.9	61.3	40 cm	"Main" qtz. vein ? abundant mafic stringers 1% disseminated py at contacts	0.010	Tr		
2582	61.3	61.6	30 cm	wall rock - contorted quartz-carbonate veins within f.g. metabasalt	0.030	0.06		
2583	61.6	61.9	30 cm		0.014	0.02		

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-3	1/2

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at	Dip/Az °
Morrissette	397.4	173°	51.5 m	0 m Collar	45/173
				5 m	43/169°
				13 m	43/170°
				26 m	41/171°
				44 m	39/166°

Location of hole in relation to a fixed point on the claim: L 9 + 35 N, 0 + 23 W

Map Reference No.	Claim No.
M2663	K589052

Date Hole Started	Date Completed	Date Logged	Logged by
Aug 24/83	Aug 25/83	Aug. 25	R. Shives

Date Submitted: | Submitted by (Signature):

Exploration Co., Owner or Optionee: ASAMERA INC., Calgary

Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora

Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	8.5	Casing and overburden									
8.5	23.0	Massive Metabasalt (plag-phyric)	competent dark green weakly chloritized very fine grained predominently massive (locally weakly foliated) basalt containing minor narrow white quartz-carbonate veinlets, finely disseminated pyrite (<1%) along foliation, abundant minute specks straw-coloured sphene(?) -plagioclase-phyric textured zones occur intermittently from 10.6 to 12.0, containing elongated white and angular dark green "fragments" <1cm long. -a white sugary textured quartz carbonate vein (15cm wide) at 19.0-19.5 contains minor strongly chloritized mafics with traces of pyrite; sheared q.v. contacts parallel foliation.			2584	18.3	18.6	30	.002	.02
						2585	18.6	18.9	30	.004	.16
						2586	18.9	19.2	30	.012	.06
						2587	19.2	19.5	30	Tr	.12
						2588	19.5	19.8	30	.006	.14
23.0	25.75	Sheared Metabasalt	-bleached to light green (chloritized) moderately altered, moderately sheared and weakly brecciated (healed bx) basalt; shearing gives "tuff-like" appearance to unit, which is peppered with small dark green elongated clots; pyrite (1%), is locally, finely disseminated along sheared foliation; a narrow (3cm) rubbly quartz-carbonate vein at 24.8, contains no sulphides -a second smaller quartz-carbonate vein (1cm) occurs at 25.2			2589	25.2	25.5	30	.004	.12
						2590	25.5	25.75	25	.004	.08
25.75	26.0	Quartz Vein	-"East-West" quartz vein zone, (25cm) containing 2 crackseal type quartz veins; contorted white quartz bands 2-6mm wide separated by thin wispy hairline black mafic stringers having a definite orientation (20° TCA in upper q.v.; 60°TCA in lower q.v.) minor (traces) pyrite			2591	25.75	26.0	25	.032	Tr
26.0	27.4	Massive Metabasalt	-grey-green competent very fine grained well foliated but NOT sheared massive-looking metabasalt; pyrite (1%) very finely disseminated throughout.			2592	26.0	26.3	30	.002	Tr
						2593	26.3	26.6	30	.004	.04

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

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Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-3	2/2

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar	Dip/Az °
				m	°
				m	°
				m	°
				m	°

Date Hole Started	Date Completed	Date Logged	Logged by

Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)

Location of hole in relation to a fixed point on the claim.

Map Reference No.: M2663

Claim No.: K589052

Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663

Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays †
27.4	34.0	Sheared Metabasalt	-greygreen and white, salt and pepper textured, moderately sheared looking metabasalt containing small (1mm) light green, dark green and white well rounded elongated "fragments" -pyrite not visible within foliation but does occur as larger (up to 8mm) localized clots (<1%)							
34.0	45.3	Plagioclase-phyric Metabasalt	- dark gray-green massive to weakly foliated plagioclase-phyric basalt containing abundant light green to white plagioclase laths up to 2 cm long, often square or irregularly shaped; angular dark green fragments are likely altered, chloritized, fragments of plag. laths -this texture is best developed below 42.6 m; minor carbonate-healed fractures common.							
45.3	51.5	Massive & Amygdaloidal Metabasalt	-dark grey-green siliceous very fine grained foliated, locally amygdaloidal basalt-amydales are carbonate and epidote filled. -pyrite (<1%) finely disseminted. -a 4cm wide quartz carbonate vein (no sulphides) parallel foliation at 50.8 m. -relatively fresh, core rings when struck with hammer; open fractures average 1-2 per metre.							
	51.5		End Of Hole 100% Recovery							

Foliation:	Depth	Angle	Depth	Angle	Depth	Angle	Depth	Angle
	9	55°	20	60°	29	58°	40	45°
	10	50°	21	58°	30	58°	41	50°
	11	50°	23	45°	31	60°	45.5	62°
	13	50°	24	55°	32	60°	47	48°
	15	55°	25	55°	33	58°	48	55°
	16	60°	26	50°	34	55°	49	52°
	18	55°	27	55°	36	60°	50	50°
	19.5	60°	28	55°	37	60°	51	50°

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work R

SAMPLE DESCRIPTIONS

Drill Hole No. SV83-3

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2584	18.3	18.6	30 cm	wall rock: weakly sheared metabasalt with trace pyrite	0.002	0.02		
2585	18.6	18.9	30 cm		0.004	0.16		
2586	18.9	19.2	30 cm	sugary white quartz-carbonate vein; minor mafics; trace pyrite	0.012	0.06		
2587	19.2	19.5	30 cm	wall rock; very fine frained massive to weakly foliated, unsheared metabasalt	Tr	0.12		
2588	19.5	19.8	30 cm		0.006	0.14		
2589	25.2	25.5	30 cm	wall rock for E.W. quartz vein; light green sheared basalt peppered with dark green clots	0.004	0.12		
2590	25.5	25.75	25 cm		0.004	0.08		
2591	25.75	26.0	25 cm	E.W. quartz vein - two crackseal veins separated by contorted mafic bands	0.032	Tr		
2592	26.0	26.3	30 cm	wall rock for above - weakly sheared metabasalt with 1% disseminated pyrite	0.002	Tr		
2593	26.3	26.6	30 cm		.004	0.04		

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-4	1/3

Drilling Company: Morisette	Collar Elevation: 397.8	Bearing of hole from true North: 173°	Total meters: 74.7	Dip of Hole at: o m Collar Dip/Az 60/173°	Location of hole in relation to a fixed point on the claim: L 9 + 59.5 N, 0 + 22 W
Date Hole Started: Aug 26/83	Date Logged: Aug 28	Logged by: R. Shives		5 m 58/173°	Map Reference No.: M2663
Date Completed: Aug 28/83	Date Submitted	Submitted by (Signature)		11 m 58/177°	Claim No.: K589052
Exploration Co., Owner or Optionee: ASAMERA INC, Calgary				41 m 55/168°	Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663
				71 m 52/158°	Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) ?	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	6.0	Casing and Overburden									
6.0	7.4	Plagioclase-phyric Metabasalt	- very competent coarse plagioclase-phyric metabasalt with well developed white plag. laths (15%-20% rock) up to 2 cm long, set in a medium green moderately chloritized mafic groundmass; the plag. crystals have very thin dark green alteration rims; foliation is defined by plag. crystal orientation subtle light/dark green hairline "wisps" which wrap around crystals. - at 7.2 m weak crushing in a narrow (10cm) healed shear, i.e. -fracturing of plag. crystals - more severe shearing could easily produce the sheared "tuff-like" rocks observed in DDH's SV83-1 and 2.								
7.4	7.6	Rubble (overburden)	cobbles of basalt and granite from overburden								
7.6	13.3	Massive Metabasalt	-very fine grained, massive, medium green basalt; subtle foliation in places; pyrite (<1%) locally in 2-3 mm clots.								
13.3	18.3	Sheared Metabasalt (plagioclase-phyric)	-light to medium green, competent moderately sheared plagioclase-phyric basalt; plag. crystals stretched, flattened, dark green, chloritized, rarely with remnant white cores. (in places very tuffaceous looking, but is NOT tuff) -no sulphides, rare thin carbonate fractures cut across foliation.								
18.3	24.3	Sheared Metabasalt	-competent dark green moderately sheared fine grained basalt (NO plag crystals); below 21 m thin quartz-carbonate clots are smeared out along foliation/shearing.								
24.3	28.0	Massive Metabasalt	-uppper contact of this unit is very sharp, parallel to foliation -uniform very fine grained massive dark green basalt with NO foliation no sulphides, no shearing (below 26.5 narrow weakly sheared zones occur, increasing downhole)								

* For features such as foliation, bedding, schistosity, measured from the [illegible] axis of the core

† Additional [illegible]

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-4	2/3

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar Dip/Az	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
				m °		M2663	K589052
Date Hole Started / Date Completed	Date Logged	Logged by		m °		Location (Twp., Lot, Con. or Lat. and Long.)	
						Turtlepond Lake Area	
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)		m °		District of Kenora	
				m °		Plan No. M2663	
						Property Name	

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
28.0	34.6	Sheared Metabasalt ("chlorite Schist")	moderately to strongly sheared grey-green moderately competent (locally shistose) chloritized basalt; cubes pyrite (<1%) locally along foliation; dip slickensides throughout; minor narrow (1cm max) crystalline white-cream quartz-carbonate veins (no sulphides) cross cut and parallel foliation.								
			where stronger shearing apparent, salt and pepper textures are developed, where light and dark green and white rounded fragments are smeared along foliation.								
			the interval 34.0 - 34.4 is light green, strongly chloritized, where cut by 8 fractures parallel to foliation.								
34.6	38.1	Massive Metabasalt	moderately chloritized, moderately competent grey-green massive basalt cut by several very narrow quartz-carbonate healed fractures, parallel and cross-cutting foliation (subtle)								
			a wider (3cm) quartz-carbonate vein at 36m (10° TCA) contains traces of pyrite, chalcopyrite near contacts with the basalt - rare chloritized mafics occur within this vein.								
38.1	48.9	Chlorite Schist (and "E.W." quartz vein)	uniform texture throughout - strongly sheared, light-green-grey chloritized basalt (chlorite schist); salt and pepper textured throughout; rare traces euhedral pyrite locally along sheared foliation; stretched cream coloured fragments are likely remnant plagioclase crystals; shearing and bleaching to very light green are strongest 44.5-46.0 (±) surrounding the "E.W." vein zone, which occurs 45.7-46.0, where three crackseal type white quartz veins occur (upper=2cm wide, middle = 6cm wide and lower = 5 cm wide). These quartz veins contain minor dark green to black mafic stringers; no sulphides appear within quartz veins or in sheared basalt near contacts (60° TCA)			2594	45.4	45.7	30	.006	.18
						2595	45.7	46.0	30	.004	Tr
						2596	46.0	46.3	30	.002	.08

* For features such as foliation, bedding, schistosity measured from the long axis of the core

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-4	3/3

Drilling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar / Dip/Az
Date Hole Started	Date Completed	Date Logged	Logged by		m / °
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		m / °
					m / °
					m / °

Location of hole in relation to a fixed point on the claim.

Map Reference No.: M2663

Claim No.: K589052

Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M2663

Property Name: STARR PROJECT

Interval (m) From	Interval (m) To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	Sample (m) To	Sample Length (cm)	Assays † Au	Assays † Ag
48.9	52.0	Sheared Metabasalt	moderately sheared, moderately chloritized light green-grey basalt; in places, light green bands alternate with cream coloured zones; a narrow (20 cm) pyrite (5%) zone at 49.3m contains large (up to 0.5 cm) pyrite cubes, and is cut by thin quartz-carbonate veinlets parallel to foliation.			2597	49.2	49.5	30	.002	.04
52.0	74.7	Massive Metabasalt (plagioclase-phyric)	generally massive, very competent, dark grey-green, hard, plagioclase phyric basalt, locally weakly foliated. 2 narrow contorted crackseal quartz-carbonate veins, at 55.7 and 56.0 contain altered, crenulated mafic stringers, no sulphides; plagioclase crystals become more abundent below 67m (↑); rare traces pyrite along open fractures only.			2598	56.0	56.3	30	.002	.22
	74.7		End of Hole — 100% Recovery								

Foliation Angles (°TCA)

Depth	Angle	Depth	Angle	Depth	Angle	Depth	Angle
7.2m	40°	20m	40°	31m	40°	45.5m	45°
8	50°	21	40°	32	40°	46	37°
10	50°	22	40°	33	35°	47	35°
13	45°	23	30°	34	40°	48	40°
14	40°	24	35°	38.5	45°	49	37°
15	40°	26	40°	39	45°	58	45°
16	40°	27	37°	41	38°	74	35°
17	35°	28	40°	42.5	45°		
18	40°	29	40°	44	45°		
19	40°	30	40°	45	38°		

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations

SAMPLE DESCRIPTIONS

Drill Hole No. SV83-4

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2594	45.4	45.7	30 cm	Sheared, bleached, chloritized metabasalt	0.006	0.18		
2595	45.7	46.0	30 cm	E.W. qtz. vein; 3 crackseal white veins (2 cm, 6 cm, 5 cm thick) minor mafics, no sulphides	0.004	Tr.		
2596	46.0	46.3	30 cm	Moderately sheared metabasalt	0.002	0.08		
2597	49.2	49.5	30 cm	Narrow pyritic shear; py cubes up to 5 mm; cutting light green metabasalt	0.002	0.04		
2598	56.0	56.3	30 cm	Narrow contorted quartz-carbonate vein no sulphides	0.002	0.22		

Diamond Drilling Log

Fill in on every page → Hole No. SV83-5 | Page No. 1/2

Drilling Company: Morissette		Collar Elevation: 396.4	Bearing of hole from true North: 173°	Total meters: 44.2	Dip of Hole at: 0 m Collar 45/173°; 12 m 43/173°; 21 m 42/173°; 40 m 41/169°; m	Location of hole in relation to a fixed point on the claim: L9+15N, 0+38W	Map Reference No.: M2663
Date Hole Started: Aug. 28, 1983	Date Completed: Aug. 29, 1983	Date Logged: Aug. 29	Logged by: R. Shives				Claim No.: K589052
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary		Date Submitted	Submitted by (Signature)				Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663
							Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	9.1	Overburden and Casing									
9.1	13.7	Sheared Metabasalt	- Competent dark green fine grained moderately sheared metabasalt with up to 2% finely disseminated pyrite, locally - A 2cm quartz-carbonate vein (no sulphides) occurs at 12.8; fractures average 4-5 per metre slickensides common.								
13.7	15.7	Chlorite Schist	-Light to medium green strongly sheared (shistose) chloritized meta-basalt; pyrite 2-5% disseminated along smeared-out foliation; fractures average 3 per metre; rare thin (4mm) quartz-carbonate veins occur along foliation; intensities of shearing and chloriti-zation increase toward quartz vein below -A 5cm rusty border occurs adjacent to quartz vein			2599	15.4	15.7	30	.008	Tr
15.7	15.85	Quartz Vein (& minor schist)	-"east-west" quartz vein zone (15cm) containing a 6cm wide crackseal type white crystalline quartz vein with abundant mafic stringers near contacts, traces pyrite , and a second mafic-rich crackseal zone. 5cm wide, with very abundant mafic stringers (60%) enclosing several narrow (0.5cm) contorted quartz bands (40%) with only a trace of pyrite -Contacts = 70° TCA			2600	15.7	15.85	15	.004	.14
15.85	17.8	Massive Metabasalt	- gy very fine grained "massive-looking" well foliated basalt -Not sheared except 16.6-16.7, where a 10 cm wide mafic stringer-rich crackseal zone (minor quartz veining) occurs, containing traces very fine grained pyrite -fractures 1-2 per metre			2601	15.85	16.15	30	.014	.12
						2602	16.6	16.7	10	.004	Tr
17.8	44.2	Plagioclase-phyric Metabasalt	-Very competent, medium green, well foliated, weakly altered plagioclase phyric basalt - Moderately sheared 17.8 - 21.0 - Strongly sheared 26.0 - 33.0								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

Diamond Drilling Log

Fill in on every page

Hole No. SV83-5 | Page No. 2/2

...lling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar: Dip/Az ° *
...to Hole Started	Date Completed	Date Logged	Logged by		m | °
...ploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		m | °
					m | °
					m | °

Location of hole in relation to a fixed point on the claim.

Map Reference No. | Claim No.

Location (Twp., Lot, Con. or Lat. and Long.)

Property Name

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays †
			-Plag. fragments angular, in places, up to 2cm long, predominately dark green to 41m, then with remnant white cores to E.O.H.; fractures 2 per metre.							
	44.2		END OF HOLE 100% RECOVERY							

Foliation Angles (°TCA)

Depth	Angle
10	65°
11	65
12	62
13	60
14	55
15	65
15.5	70
18	65
19	60
20	50
21	55
24	40 (subtle)
28	50
29	55
30	45
31	50

* For bedding, such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

SAMPLE DESCRIPTIONS

Drill Hole No. SV83-5

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2599	15.4	15.7	30 cm	Wall rock; chloritized; strongly sheared chlorite schist; py 2-5%	0.008	Tr		
2600	15.7	15.85	15 cm	E.W. crackseal qtz. vein; trace pyrite	0.004	0.14		
2601	15.85	16.15	30 cm	Grey, fine grained unsheared well foliated metabasalt	0.014	0.12		
2602	16.5	16.6	10 cm	Mafic-rich crackseal zone; trace pyrite	0.004	Tr		

Diamond Drilling Log

Fill in on every page

Hole No. SV83-6 | Page No. 1/3

Drilling Company: Morissette	Collar Elevation: 399.2	Bearing of hole from true North: 173	Total meters: 65.5	Dip of Hole at: 0 m Collar 60/173 °	Location of hole in relation to a fixed point on the claim: L 9 + 69 N, 0 + 15 W	Map Reference No.: M2663	Claim No.: K589052
Date Hole Started: Aug. 29/83	Date Completed: Aug. 30/83	Date Logged: Aug. 31	Logged by: R. Shives	12 m 60/169 °		Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. 2663	
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary		Date Submitted:	Submitted by (Signature):	37 m 59/171 ° 64 m 56/173 ° m °		Property Name: STARR PROJECT	

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays †
0	7.9	Overburden and Casing								
7.9	10.7	Plagioclase-phyric Metabasalt	- dark green fine grained competent moderately sheared (very well foliated) plagioclase-phyric basalt containing abundant angular elongated large (1.5cm maximum) dark green chloritized plag. fragments, commonly with white remnant cores; hairline quartz-carbonate veinlets cut foliation at 90°. - no sulphides; fractures 2-3 per metre.							
10.7	19.0	Sheared Plag-phyric Metabasalt	- grey-green foliated weakly to moderately sheared, weakly chloritized fine grained plagioclase-phyric basalt. - plag. fragments subrounded, smaller than in above interval (maximum here 5mm) - traces pyrite as cubes within rare thin quartz-carbonate veinlets.							
19.0	23.8	Mixed sheared/ Massive Metabasalt	- Alternating units of a) 50 to 100 cm wide zones of very fine grained to aphanitic dark grey-green massive-looking pyritic (locally as elongated clots, clusters up to 3mm dia.) well foliated basalt, containing NO fragments. and b) wider zones of grey-green well foliated, moderately sheared salt and pepper textured "tuff-like" metabasalt containing very rare, minute specks pyrite. - contacts between these units are sharp, planar, parallel to foliation.							
23.8	31.0	Chlorite Schist	- very uniform throughout, moderately competent, medium to coarse grained, grey-green strongly sheared and chloritized salt and pepper textured fragmental-looking metabasalt (chlorite schist); dip slickensides common; rare traces pyrite, locally, along sheared foliation; fractures average 2 per metre.							

* Measured from the long axis of the core

† Additional credit available. See Assay sheet

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SV83-6	2/3

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
				Collar		,2663	K589052
Date Hole Started / Date Completed	Date Logged	Logged by		m		Location (Twp., Lot, Con. or Lat. and Long.)	
				m		Turtlepond Lake Area	
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)		m		District of Kenora	
				m		Plan No. 2663	
						Property Name	
						STARR PROJECT	

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays † Au	Ag
31.0	35.1	Massive Metabasalt	predominantly massive-looking dark grey-green very fine grained to aphanitic well foliated basalt with few narrow medium-coarse grained intervals; NO sulphides observed; fractures <1 per metre.						(cm)		
35.1	42.7	Sheared Metabasalt (Plag-phyric)	grey-green medium grained well foliated, moderately sheared metabasalt containing rare larger (>5mm) white plagioclase crystal fragments, but abundant minute round "powdery" white fragments. The latter are best developed (most abundant) 39.0-41± in a more strongly sheared zone, containing abundant cream coloured wispy discontinuous carbonate laminae smeared along foliation and associated with thin (2-3mm wide) cross-cutting carbonate veinlets.								
42.7	44.4	Sheared Metabasalt	light green chloritized moderately sheared fine grained basalt, becomes lighter green and silicified towards quartz vein below; pyrite (1%) occurs as disseminated cubes and clots along sheared foliation; below 43.4m shearing is very strong and abundant randomly oriented healed hairline fractures occur; open fractures average 5 per metre; chloritization is intense 30 cm above quartz vein.			2603	43.8	44.1	30	Tr	Tr
						2604	44.1	44.4	30	Tr	Tr
44.4	44.5	Quartz Vein	"east-west" quartz vein - white quartz with abundant black mafic stringers parallel to contacts (45° TCA); sulphides (pyrite 2-3%, chalcopyrite 1%) concentrated near contacts.			2605	44.4	44.5	10	.18	1.10
44.5	45.0	Cholrite Schist	intensely chloritized and sheared light green to cream coloured metabasalt containing finely disseminated pyrite (1-2%) throughout; at 44.9 the sheared foliation is contorted by an irregular crack-seal quartz-carbonate vein (2cm wide, pyrite cubes 1%)			2606	44.5	44.8	30	Tr	.46
						2607	44.8	45.1	30	Tr	Tr

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations.

Diamond Drilling Log

Fill in on every page

Hole No. SV83-6 | Page No. 3/3

Drilling Company | Collar Elevation | Bearing of hole from true North | Total meters | Dip of Hole at Dip/Az ° | Location of hole in relation to a fixed point on the claim. | Map Reference No. | Claim No.

Date Hole Started | Date Completed | Date Logged | Logged by | Collar | Map Reference No. M2663 | Claim No. K589052

Exploration Co., Owner or Optionee | Date Submitted | Submitted by (Signature) | m | Location (Twp., Lot, Con. or Lat. and Long.)

Turtlepond Lake Area
District of Kenora
Plan No. 2663

m | Property Name STARR PROJECT

m

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
45.0	51	Plagioclase-phyric Metabasalt	massive-looking well foliated, unsheared plagioclase-phyric metabasalt containing numerous carbonate healed fractures within and cross-cutting foliation; traces pyrite sparsely disseminated throughout; plag. crystals are both dark green(chloritized) and white, elongated, subrounded up to 1.5 cm long.			2608	45.1	45.4	30	Tr	Tr
						2609	45.4	45.7	30	Tr	.46
51	65.5	Plagioclase-phyric Metabasalt	dark grey-green predominantly moderately sheared(locally, strongly sheared) plagioclase-phyric basalt; shearing decreases downhole-where strongest (52-55m) rocks looks fragmented "tuff like" very coarse grained with salt and pepper textures; below 58.5± the basalt is unsheared, very fine grained, well foliated; plag. crystals 10-15%, well rounded, elongated parallel to foliation, predominantly light green with rare dark green chloritized fragments; trace pyrite (<<1%) along open fractures (average 2 per metre) and rarely within foliation.								
	65.5		End of Hole Recovery 100%								

Foliation Angles (°TCA)

Depth	Angle	Depth	Angle	Depth	Angle	Depth	Angle	Depth	Angle
8	37°	18	30°	28	35°	40	42°	55	45°
9	35°	19	32°	29	35°	41	45°	56	40°
10	30°	20	35°	30	40°	42	45°	57	35°
11	27°	21	35°	31	40°	43	45°	58	35°
12	30°	22	25°	34	40°	46	45°	59	35°
13	30°	23	34°	35	40°	50	45°	60	40°
14	30°	24	35°	36	40°	51	43°	61	35°
15	27°	25	35°	37	40°	52	35°	62	38°
16	34°	26	34°	38	40°	53	45°	64	35°
17	28°	27	35°	39	40°	54	37°	65	35°

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

SAMPLE DESCRIPTIONS

Drill Hole No. SV83-6

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2603	43.8	44.1	30 cm	Strongly sheared metabasalt; 1% py	Tr	Tr		
2604	44.1	44.4	30 cm		Tr	Tr		
2605	44.4	44.5	10 cm	E.W. quartz vein; abundant black mafic stringers; pyrite concentrated near vein walls (py 2-3% cpy 1%)	0.18	1.10		
2606	44.5	44.8	30 cm	intensly chloritized sheared light green meta-basalt; 1-2% py	Tr	0.46		
2607	44.8	45.1	30 cm	Contorted crackseal quartz-carbonate vein (2 cm wide, parallels core axis)	Tr	Tr		
2608	45.1	45.4	30 cm	Massive unsheared plagioclase-phyric metabasalt; trace py	Tr	Tr		
2609	45.4	45.7	30 cm		Tr	0.46		

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SS83-1	1/2

Drilling Company: Morisette	Collar Elevation: 409.5 m	Bearing of hole from true North: 140°	Total meters: 86.9	Dip of Hole at: 0 m Collar 45/140	Location of hole in relation to a fixed point on the claim: L 4 + 17 N, 0 + 88 W
Date Hole Started: Sept. 2/83	Date Completed: Sept. 3/83	Date Logged: Sept 3/83	Logged by: D.W. Hassell	5 m 43/139	Map Reference No.: M-2663
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary		Date Submitted	Submitted by (Signature)	11 m 44/139	Claim No.: K535340
				44 m 42/136	Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663
				82 m 39/145	Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays † Au	Ag
0	1.9	Overburden							(cm)		
1.9	86.9	Massive Metabasalt	-Weakly chloritized, massive to weakly foliated (and locally branded) fine grained metabasalt with amygdaloidal horizons commonly occurring throughout the unit.								
			-Calcite (with minor quartz) amygdules are often flattened or stretched but along the foliation.								
			-Well developed banding occurs locally throughout and is defined by alternating dark and light (bleached) horizons possibly representing pillow selvages.								
			-Pyrite occurs in minor amounts (<<1%) as euhedral cubes within narrow (less than 1 cm) bands, disseminted throughout the unit and as massive coatings along fracture surfaces. A hard, steel-grey sulphide (possibly arsenopyrite), commonly found associated with calcite occurs up to 5% locally between approximately 41.0-58.0 but can be found in minor amounts (up to 1%) to end of hole. Chalcopyrite occurs locally within a quartz/carbonate veinlet @ 30.9-31.8 m.								
			-Quartz/Carbonate veining is only weakly developed, occurring 2.6m; 5.1m; 6.2m; 14.3m; 21.4m; 30.9-31.8m (trending parallel to core axis); 35.4m; 53.5-53.6m; 57.4; 60.9m; 71.6m; 71.9m; 72.0m; 76.2m.			2610	30.6	30.9	.3m	Tr	.54
						2611	30.9	31.2	.3m	Tr	Tr
						2612	31.2	31.5	.3m	Tr	Tr
						2613	31.5	31.8	.3m	Tr	Tr
						2614	31.8	32.1	.3m	Tr	.48
			-Quartz/Carbonate veins also occur @ 32.1-32.25 (15cm) and 33.3-33.35m (5cm) and probably represent the down hole version of the surface expression of the system.			2615	32.1	32.25	.15m	Tr	Tr
						2616	32.25	32.50	.25m	Tr	.90
			-Both veins are composed of glassy quartz and calcite. Pyrite is minor (less than 1%) and is confined to the upper and lower vein contacts and within the adjacent wall rock.			2617	32.50	33.0	.5m	Tr	1.24
						2618	33.0	33.3	.3m	Tr	Tr
						2619	33.3	33.4	.1m	Tr	Tr
						2620	33.4	33.7	.3m	Tr	.50

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.

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Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SS83-1	2/2

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar	Dip/Az °	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
Date Hole Started / Date Completed	Date Logged	Logged by		m	°		M2663	K535340
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)		m	°		Location (Twp., Lot, Con. or Lat. and Long.) Turtlepond Lake Area District of Kenora Plan No. M-2663	
				m	°		Property Name	
				in	°			

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
			-The upper vein shows a possibly sheared (@25° TCA) upper contact. Minor amounts of tourmaline ? and wispy chloritized wall rock are also present. The lower vein appears to have been injected along the foliation.								
			-Old quartz/carbonate flooded (healed) breccias occur throughout the unit but are best developed @ 15.5-15.9m; 20.0-20.3 m; 20.9-21.2m; 22.0-28.0m; (locally well developed); and 69.0-69.1m.								
			-Fractured and crumbly horizons are only minor, occuring @ 14.7m (crumbly Fe-stained fracture @ 35° TCA; 40° TCA); 15.3m (perpendicular fractures, one at 35° TCA cutting foliation at 10°).								
			End of Hole Recovery 100%								
			Foliation angles (° to core axis)								

Depth (m)	Foliation	Depth (m)	Foliation	Depth (m)	Foliation
3	45°	33	55°	63	55°
6	53°	36	57°	66	50°
9	55°	39	55°	69	60°
12	55°	42	48°	72	55°
15	50°	45	55°	75	55°
18	50°	48	45°	78	60°
21	55°	51	50°	81	60°
24	60°	54	50°	84	60°
27	58°	57	50°		
30	60°	60	60°		

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.

SAMPLE DESCRIPTIONS

Drill Hole No. SS83-1

Sample No.	From	To	Width	Description	Assays			
					Au(oz/ton)	Ag(oz/ton)	As	
2610	30.6	30.9	30 cm	Fine grained, py-rich, weakly foliated metabasalt with minor carbonate veinlets.	Trace	.54		
2611	30.9	31.2	30 cm	Fine grained, pyrite-rich, weakly foliated metabasalt with numerous carbonate (minor Qtz) veins and veinlets randomly oriented throughout .	"	Trace		
2612	31.2	31.5	30 cm	Fine grained, pyrite-rich, weakly foliated metabasalt with numerous carbonate (minor Qtz) veins and veinlets randomly oriented throughout.	Trace	"		
2613	31.5	31.8	30 cm	Fine grained, pyrite-rich, weakly foliated metabasalt with numerous carbonate (minor Qtz) veins and veinlets randomly oriented throughout.	Trace	"		
2614	31.8	32.1	30 cm	Fine grained, pyrite-rich, weakly foliated metabasalt with numerous carbonate (minor Qtz) veins and veinlets randomly oriented throughout.	Trace	.48		
2615	32.1	32.25	15 cm	Quartz/carbonate vein with minor pyrite	Trace	Trace		
2616	32.25	32.50	25 cm	Wall rock-minor pyrite (abundant carbonate)	Trace	.90		
2617	32.50	33.00	50 cm	Wall rock-minor pyrite (abundant carbonate)	Trace	1.24		
2618	33.00	33.3	30 cm	Wall rock-minor pyrite (abundant carbonate)	Trace	Trace		
2619	33.3	33.4	10 cm	Quartz/carbonate vein with minor wall rock	Trace	Trace		
2620	33.4	33.7	30 cm	Wall rock - minor pyrite (abundant carbonate)	Trace	.50		

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SS-83-2	1/3

Drilling Company: Morissette	Collar Elevation: 414.8	Bearing of hole from true North: 140°	Total meters: 71.6	Dip of Hole at: 0 m Collar 45/140	Location of hole in relation to a fixed point on the claim: L 3 + 54 N, 0 + 77.5W
Date Hole Started: Sept. 4, 1983	Date Completed: Sept. 6, 1983	Date Logged: Sept. 6/83	Logged by: D.W. Hassell	5 m 45/138 °	
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary		Date Submitted	Submitted by (Signature)	12 m 44/ — °	
				40 m 39/140 °	
				67 m 32/136 °	

Map Reference No.	Claim No.
M-2663	K535340

Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663

Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays † Au	Ag
									(cm)		
0	3.4	Overburden/Casing									
3.4	13.6	Massive Metabasalt	-A fine grained, massive to weakly foliated, pale gray-green (weakly chloritized) metabasalt with numerous calcite veinlets and randomly oriented calcite fracture fillings. Plagioclase ? clots (approx. 1-5 mm in diameter) also occur locally.								
			The foliation is only weakly developed and fracturing is only minor.								
			-A dark, steel grey sulphide (arsenopyrite?) occurs finely disseminted throughout the interval and is commonly associated with the carbonate (locally exceeding 2-3%)								
			-Pyrite is ubiquitous throughout but rarely occurs in amounts > 1%.								
			-A healed (carbonate flooded) breccia occurs @ 10.7-11.0m.								
13.6	22.9	Foliated Metabasalt	-A more coarsely textured, weakly foliated (to locally massive) metabasalt .			2621	22.9	23.2	30 cm	Tr	.66
						2622	23.2	23.55	35	Tr	Tr
			-The foliation is weakly defined by mafic laths up to 1 cm in length stretched out along the foliation.			2623	23.55	23.85	30	Tr	.56
			-Plagioclase clots occur locally while calcite veinlets (generally @ 10°-30° TCA) are abundant.								
			-Minor quartz/carbonate veinlets (less than 3cm in width)occur at 20.2 and 20.4 and consist of glassy white, barren quartz and calcite.								
			-Fracturing is only locally developed with a minor crumbly, fractured zone occurring at 13.8-13.9m,								
			-Arsenopyrite? is found disseminted throughout the unit but only locally exceeds 1%								
22.9	52.5		-A fine grained, massive to weakly foliated (locally), pale grey-green (weakly chloritized) metabasalt with abundant calcite veinlets and plagioclase clots occurring locally throughout the interval								
			Fracturing is generally poorly developed, however a strongly broken-up, crumbly zone occurs at 33.5-34.3m with Fe-stained fractures (at low angles TCA) commonly occurring.								
			-Arsenopyrite? locally exceeds 1%, however it is generally confined								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.

Diamond Drilling Log

Fill in on every page

Hole No. SS83-2 | Page No. 2/3

Drilling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar: Dip/Az
Date Hole Started	Date Completed	Date Logged	Logged by		m ° / m ° / m ° / m °
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		

Location of hole in relation to a fixed point on the claim.

Map Reference No. M-2663

Claim No. K535340

Location (Twp., Lot, Con. or Lat. and Long.) Turtlepond Lake Area, District of Kenora, Plan No. M-2663

Property Name

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
			to calcite veins and veinlets.								
			-A 35 cm wide crack-seal type, quartz carbonate veinlet occurs at 23.2-23.55m. The vein is composed of glassy white quartz with calcite concentrated within fractures associated with mafic wisps and bands.								
			-Pyrite is only minor while a dark metallic sulphide (arsenopyrite) is found within bands along the vein contacts.								
			-The upper and lower vein contacts are almost perpendicular to core axis.								
52.5	59.5	Sheared Metabasalt	-A fine grained, intensely sheared to finely laminated, pale green metabasalt with numerous white and locally pinkish calcite veinlets and stringers generally occurring parallel to the foliation.			2624	57.1	57.4	30	Tr	Tr
			-Arsenopyrite is found disseminated throughout the unit and also within narrow (less than 3mm) bands commonly associated with calcite. Arsenopyrite locally exceeds 5%.								
59.5	71.6	Massive Metabasalt	-A fine grained, massive to weakly foliated, pale gray-green (weakly chloritized) metabasalt with abundant calcite veinlets and stringers. Arsenopyrite is found disseminated throughout the unit, locally exceeding 1-2%. Pyrite is only minor (<1%)								
			End of Hole Recovery 100%								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available See Assessment Work Regulations

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
SS83-2	3/3

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az °	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
				Collar		M-2663	K535340
Date Hole Started / Date Completed	Date Logged	Logged by		m °		Location (Twp., Lot, Con. or Lat. and Long.) Turtlepond Lake Area, District of Kenora, Plan No. M-2663	
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)		m °		Property Name	
				m °			

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays †
			Foliation Angles							
			Depth(m) Foliation Depth(m) Foliation Depth(m) Foliation							
			5 55° 35 52° 65 58°							
			8 50° 38 42° 68 55°							
			11 50° 41 51° 71 62°							
			14 55° 44 50°							
			17 48° 47 50°							
			20 55° 50 50°							
			23 58° 53 62°							
			26 42° 56 70°							
			29 55° 59 65°							
			32 48° 62 52°							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available See Assessment Work Regulations

SAMPLE DESCRIPTIONS

Drill Hole No. Ss83-2

Sample No.	From	To	Width	Description	Assays			
					Au(oz/ton)	Ag(oz/ton)	As	
2621	22.9	23.2	30 cm	Weakly foliated, calcite-rich metabasalt	Trace	.66		
2622	23.2	23.55	35 cm	"barren looking", crack-seal quartz-carbonate vein w/minor mafic wisps	Trace	Trace		
2623	23.55	23.85	30 cm	weakly foliated, calcite-rich metabasalt	Trace	.56		
2624	57.1	57.4	30 cm	Finely laminated, (sheared) fine grained metabasalt with abundant (5%) arsenopyrite	Trace	Trace		

Diamond Drilling Log

Fill in on every page ▷ | Hole No. SS83-3 | Page No. 1/2

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
Morissette	411.2 m	140°	62.48	0 m Collar 45/140°	L 3 + 92 N	M-2663	K535340
Date Hole Started: September 6, 1983	Date Logged: Sept. 8/83	Logged by: David W. Hassell		9 m 43/139°	0 + 88 W	Location (Twp., Lot, Con. or Lat. and Long): Turtlepond Lake Area, District of Kenora, Plan No. M-2663	
Date Completed: September 7, 1983	Date Submitted	Submitted by (Signature)		32.5 m 39/139°			
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary				58.0 m 36/139°		Property Name	

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle*	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays † Au	Ag
0	3.2	Overburden/Casing							(cm)		
3.2	50.1	Foliated metabasalt	-A fine grained, weak to moderately well foliated pale gray-green (weakly cholritized) metabasalt.								
			-Calcite veins (up to 1 cm), veinlets and stringers commonly occur randomly oriented throughout the unit while Quartz/carbonate veinlets (although less common) are also abundant.								
			-Both pyrite and arsenopyrite?(a dark to steel-grey metallic mineral) occur in minor amounts disseminated throughout the unit, however both minerals also occur as fracture fillings or associated with carbonate veinlets and stringers.								
			-Fracturing is only locally developed occurringat 6.1-6.5m; (at 0-10° TCA with iron staining on surfaces); 35.1m (30° TCA iron staining); 38.3-38.5 (crumbly to broken-up with iron stained fractures at all angles TCA).								
			-Brecciated (healed) intervals occur locally throughout the unit.								
			-Minor quartz/carbonate veining occurs at 23.4-23.7 and at 23.9-24.25m. Vein contacts are steep (approximately 20° TCA and 20° to foliation) and appear to indicate some shearing. The veins consist of quartz and carbonate within a dark mafic (tourmaline) framework			2625	23.1	23.4	30	Tr	Tr
						2626	23.4	23.7	30	Tr	Tr
						2627	23.7	23.9	20	Tr	Tr
						2628	23.9	24.25	35	Tr	.56
			Pyrite and arsenopyrite occur in minor amounts disseminated throughout the interval. The veins actually appear more like quartz/carbonate flooding in a brecciated country rock interval.			2629	24.25	24.55	30	Tr	Tr
			-Another minor quartz/carbonate vein occurs 48.2-48.5 but appears as the swell of a vein roughly parallel to the core axis. Pyrite is minor (<1%).			2630	48.20	48.50	30	Tr	.78
50.1	52.5	Lapilli-tuff sheared plag. phyric basalt	- A course (possibly tuffaceous-lapilli size) unit with sharp (sheared) contacts at 20° TCA (upper) and at 40° TCA (lower).								
			-The unit contains numerous equigranular (non-elongate) plagioclase clots up to 3-4 mm in diameter.								
			-Quartz carbonate veinlets and stringers occur locally throughout the unit, however, pyrite is present in only minor amounts.								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available See Assessment Work Regulations

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Diamond Drilling Log

Fill in on every page

Hole No. SS83-3 | Page No. 2/2

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az °	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
				Collar		M-2663	K535340
Date Hole Started / Date Completed	Date Logged	Logged by		m '		Location (Twp., Lot, Con. or Lat. and Long) Turtlepond Lake Area, District of Kenora, Plan No. M-2663	
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)		m '		Property Name	
				m '			

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
52.2	62.48	Foliated Metabasalt	- A fine grained, weak to moderately well foliated (locally) metabasalt with numerous, randomly oriented calcite veinlets and stringers.								
			- Healed breccias occur locally throughout the unit, however, fracturing is only weakly developed.								
			- Pyrite occurs in minor amounts (<1%) disseminated throughout the unit while arsenopyrite is generally confined to narrow bands and fracture fillings commonly associated with calcite (and locally exceeding 5%)								
			End of Hole Recovery 100%								
			Foliation Angles								
			Depth Angle Depth Angle Depth Angle								
			5m 60° 32m 50° weak 59m 53°								
			8 58° 35 55° 62 55°								
			11 55° weak 38 58°								
			14 50° 41 55° weak								
			17 50° 44 58°								
			20 62° 47 55°								
			23 60° 50 60°								
			26 50° 53 58°								
			29 55° 56 60°								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available See Assessment Work Regulations

SAMPLE DESCRIPTIONS

Drill Hole No. SS83-3

Sample No.	From	To	Width	Description	Assays			
					Au (oz/ton)	Ag (oz/ton)	As	
2625	23.1	23.4	30cm	Fine grained metabasalt (minor py)	Trace	Trace		
2626	23.4	23.7	30cm	Qtz./carbonateflooded vein breccia	"	"		
2627	23.7	23.9	20cm	Fine grained metabasalt (minor py.)	"	"		
2628	23.9	24.25	35cm	Quartz/carbonate flooded vein breccia	"	.56		
2629	24.25	24.55	30cm	Fine grained metabasalt (minor py.)	"	Trace		
2630	48.20	48.50	30cm	Quartz/carbonate vein with minor pyrite (<1%)	"	.78		

Diamond Drilling Log

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az °	Location of hole in relation to a fixed point on the claim.	Fill in on every page	Hole No.	Page No.
Morissette	433.0 m	196°	65.5	0 m Collar |			ST83-1	1/2
Date Hole Started / **Date Completed**	**Date Logged**	**Logged by**		10.7 m | 58/193 °	LO+78N 3+47W	**Map Reference No.**	**Claim No.**	
Sept. 8, 1983 / Sept. 10, 1983	Sept. 10	R. Shives		35.0 m | 54/188 °		M2663	K535339	
Exploration Co., Owner or Optionee	**Date Submitted**	**Submitted by (Signature)**		64.0 m | 49/188 °		**Location (Twp., Lot, Con. or Lat. and Long)**		
ASAMERA INC., Calgary				m | °		Turtlepond Lake Area District of Kenora Plan No. M2663		
						Property Name STARR PROJECT		

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle °	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	3.0	Casing and Overburden									
3.0	65.5	Pillowed Metabasalt	- Competent, moderately chloritized, light and dark green, moderately to well foliated, pyritic pillowed metabasalt.								
			- Pillow cores are predominantly massive looking (subtle foliation), light green to cream coloured zones, 10 to 50 cm wide (apparent) commonly peppered with small (1 mm diametre) dark green clots, rounded quartz eyes and often "crazed" with randomly oriented dark green (chloritized) and white quartz-carbonate healed hairline fractures. Although the pillow cores can be readily recognized throughout most of this hole they are most abundant 7.6-11.3, 27.5-34.0. Below 61m the cores are not as obvious, although thin selvages are apparant - there, the basalt appears uniformly fine grained well foliated with abundant stretched dark green clots (1 cm long).								
			- Pillow selvages vary from sharp, distinct dark/light/dark green (zoned) bands 1-2 cm wide, to diffuse dark green bands up to 15 cm wide (apparant), the latter possibly a function of shallow core-selvage angles.								
			- Pyrite is very abundant (3-5%) throughout, locally up to 15% occurring as sub-to-euhedral cubes (0.5 mm to 7 mm) localized both along selvages and within pillow cores. Open fractures (average 2-3 per metre throughout) are rarely pyritic, but rare thin quartz-carbonate healed fractures (1 to 8 mm wide) commonly contain 2-3% pyrite.			2631	11.2	11.5	30	Tr	.64
						2632	11.5	11.8	30	Tr	Tr
						2633	11.8	12.1	30	Tr	Tr
			Traces of chalcopyrite (<<1%) are recognized in one location only at 11.7 m, within a single weakly slickensided open fracture, as minute anhedral flecks and powdery coatings. A subtle purple-red staining also occurs along this fracture.			2634	22.2	22.5	30	Tr	.56

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Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
ST83-1	2/2

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar Dip/Az °	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
Date Hole Started / Date Completed	Date Logged	Logged by		m / m / m / m		Location (Twp., Lot, Con. or Lat. and Long.)	
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)				Property Name	

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle °	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
			- A single narrow (1 cm) quartz vein occurs at 40.8 m (55°TCA), cutting the foliation at 90° (i.e. - subhorizontal vein). The vein			2635	40.3	40.6	30	Tr	.58
			contacts contain moderately oxidized euhedral pyrite (5%), purple-red staining, and thin carbonate coatings - NO sulphides or mafics			2636	40.6	40.9	30	Tr	Tr
			appear within the vein itself. Three subparallel weakly rust-stained			2637	40.9	41.2	30	Tr	1.10
			fractures occur in a 10 cm wide zone above the quartz vein.								
			This minor vein and weak rusty fracturing may represent the down-dip extension of the quartz vein/shear observed on surface.								
	65.5		END OF HOLE 100% RECOVERY								

Tropari Results

Depth	Dip	Mag.Az.
10.7m	58	189
35m	54	184
64m	49	184

Foliation Angles (°TCA)

Depth	Angle	Depth	Angle
3m	30	42m	35
6	28	45	40
9	25	48	38
12	25	51	35
15	30	54	40
18	30	57	40
21	40	60	35
24	10	63	37
27	30	65.5	40
30	30		
33	40		
36	35		
39	35		
40	40		

SAMPLE DESCRIPTIONS

Drill Hole No. ST83-1

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2631	11.2	11.5	30 cm	Competent fine grained pillowed metabasalt with minor pyrite, minor quartz-carbonate veins	Tr	0.64		
2632	11.5	11.8	30 cm	As above, but with trace cpy and slight purple-red stain along open fracture	Tr	Tr		
2633	11.8	12.1	30 cm	as for 11.2 - 11.5 above	Tr	Tr		
2634	22.2	22.5	30 cm	Pyritic (2-3%) pillowed metabasalt containing several narrow contorted qtz-carbonate veins	Tr	0.56		
2635	40.3	40.6	30 cm	Pyritic (3-6%) pillowed metabasalt; well foliated with large cubes pyrite	Tr	0.58		
2636	40.6	40.9	30 cm	Pyritic pillowed metabasalt cut by 1 cm quartz vein	Tr	Tr		
2637	40.9	41.2	30 cm	Pyritic pillowed metabasalt	Tr	1.10		

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
ST83-2	1/3

Drilling Company: Morissette	Collar Elevation: 431.7 m	Bearing of hole from true North: 196°	Total meters: 71.6	Dip of Hole at: 0 m Collar 45/196; 12 m 44/192; 40 m 43/190; 67 m 40/188; m	Location of hole in relation to a fixed point on the claim: L0+58N 3+90W
Date Hole Started: Sept. 10, 1983	Date Completed: Sept. 11, 1983	Date Logged: Sept. 11	Logged by: R. Shives		
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary		Date Submitted	Submitted by (Signature)		

Map Reference No.	Claim No.
M2663	K535339

Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663

Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	6.8	Casing and Overburden									
6.8	11.0	Sheared, Brecciated	- Coarse grained, competent (healed) grey, very well foliated (sheared) weakly chloritized, pillowed metabasalt. - Fragmental "tuff-like" appearance, but contains several large (4-5cm long) cream coloured fragments peppered with dark green clots and quartz eyes, similar to pillow cores observed downhole and in previous DDH ST83-1 -Pyrite is finely disseminated throughout (1%), also occurring as rare large (max. 1cm) cubes along hairline quartz-carbonate healed fractures. -Open fractures average 6-7/metre, predominantly parallel to foliation, rarely cross-cutting foliation.								
11.0	13.0	Foliated Metabasalt	-Competent grey very fine grained massive-looking (well foliated) metabasalt - no fragments - contains abundant white hairline, planar carbonate stringers (1mm thick) parallel to foliation - pyrite (2-3%) finely disseminated throughout and along carbonate stringers. -Where stringers are most abundant, basalt looks moderately sheared. -Lower 40cm of this interval contains contorted light green alteration bands (1cm wide) associated with hairline fractures.								
13.0	16.5	Sheared Qtz.-Carb. veined Metabasalt	-Coarse grained grey-white and light green strongly chloritized, sheared metabasalt well "marbled" with contorted quartz-carbonate "sweats", wispy mafic stringers and wider contorted bands of metabasalt, all roughly defining a weak irregular foliation, similar to crackseal veining. -The quartz-rich veinlets are well fractured (healed) -Pyrite is abundant (5%, locally to 10%), occurring along mafic stringers -A silvery white sulphide (arsenopyrite ??) is also present (2% locally to 5%) as small anhedral flecks			2638	13.0	13.3	30	Tr	Tr
						2639	13.3	13.6	30	Tr	Tr
						2640	13.6	13.9	30	Tr	Tr
						2641	13.9	14.2	30	Tr	.68

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations

Diamond Drilling Log

Fill in on every page

Hole No.	Page No.
ST83-2	2/3

lling Company		Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Collar Dip/Az	Location of hole in relation to a fixed point on the claim.	Map Reference No. / Claim No.
te Hole Started	Date Completed	Date Logged	Logged by		m °		Location (Twp., Lot, Con. or Lat. and Long.)
ploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		m °		Property Name
					m °		
					m °		

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
			-Fractures (open) average 10 per metre; the core breaks readily along the chloritized mafic stringers between quartz carbonate veining			2642	14.2	14.5	30	Tr	Tr
						2643	14.5	14.8	30	Tr	Tr
16.5	71.6	Pillowed Metabasalt	-Relatively uniform throughout, moderately chloritized light to dark green (mottled and banded) well planar foliated, pillowed metabasalt similar to that in previous DDH ST83-1			2644	14.8	15.1	30	Tr	Tr
						2645	15.1	15.4	30	Tr	.60
						2646	15.4	15.7	30	Tr	Tr
			Pillow cores appear as cream and light green massive zones up to 60 cm wide (apparent) cut by randomly oriented dark green chloritized and white carbonate-filled hairline fractures; small rounded quartz eyes are common.			2647	15.7	16.0	30	Tr	Tr
						2648	16.0	16.3	30	Tr	.68
						2649	16.3	16.6	30	Tr	Tr
						2650	29.8	30.1	30	Tr	Tr
			-Below 50m, considerable stretching of the pillow results in narrow frequently alternating light (cores) and dark green (selvages) bands			2651	43.6	43.8	30	Tr	Tr
						2652	64.7	65.0	30	Tr	Tr
			-A dark green-grey well foliated massive-looking interval 55-61 contains no obvious pillows and looks similar to bottom of DDH ST83-1, containing dark green elongated clots and only traces of pyrite.								
			-Pyrite is abundant throughout most of this interval (3-5%, locally to 15%) occurring in pillow cores, along selvages and in the quartz-carbonate veinlets.								
			-Chalcopyrite (<1%) is recognized in one location only, within a 1cm wide quartz vein at 39.6m, as small (1-3mm) anhedral clots, the wall rock here is pyritic (3-5%) but contains NO chalopyrite.								
			-A sweaty quartz-carbonate vein at 41.7-41.9 contains 2% pyrite as cubes along chloritized mafic wisps.								
			-Minor very thin to hairline carbonate veinlets are common throughout								
	71.6		END OF HOLE 100% RECOVERY								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core

† Additional credit available. See Assessment Work Regulations

7

Diamond Drilling Log

Fill in on every page ⇩ | Hole No. ST83-2 | Page No. 3/3

ling Company		Collar Elevation	Bearing of hole from true North / Total meters	Dip of Hole at Dip/Az ° Collar	Location of hole in relation to a fixed point on the claim.
te Hole Started	Date Completed	Date Logged	Logged by	m ° / m ° / m ° / m °	Map Reference No. / Claim No.
ploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		Location (Twp., Lot, Con. or Lat. and Long.) / Property Name

Interval (m) From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length	Assays †
			Foliation Angles (°TCA)							
			Depth 7m — Angle 30°							
			9.0 — 35							
			10 — 55							
			11 — 45							
			12.5 — 60 (sheared)							
			13 — 60 (qtz.-carb. sheared zone)							
			14 — 60							
			15 — 55							
			16 — 50							
			18.5 — 40							
			20 — 30							
			23 — 30							
			28 — 28							
			29 — 20							
			35 — 30							
			38 — 40							
			41 — 35							
			44 — 50							
			47 — 50							
			50 — 45							
			53 — 45							
			56 — 45							
			59 — Massive							
			61 — 45							
			64 — 45							
			70 — 45							

* If core is oriented, give Planar Feature Angle (bedding, schistosity, veining) from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.

SAMPLE DESCRIPTIONS

Drill Hole No. ST83-2

Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2638	13.0	13.3	30 cm		Tr	Tr		
2639	13.3	13.6	30 cm		Tr	Tr		
2640	13.6	13.9	30 cm	Coarse grained, white and light green sheared,	Tr	Tr		
2641	13.9	14.2	30 cm	strongly chloritized metabasalt well marbled	Tr	0.68		
2642	14.2	14.5	30 cm	with contorted quartz carbonate veins and wispy	Tr	Tr		
2643	14.5	14.8	30 cm	mafic stringers-crackseal texture.	Tr	Tr		
2644	14.8	15.1	30 cm	py 5 to 10% Fractures 10/m	Tr	Tr		
2645	15.1	15.4	30 cm		Tr	0.60		
2646	15.4	15.7	30 cm	aspy (??) 1-2% locally to 5%	Tr	Tr		
2647	16.0	16.0	30 cm		Tr	Tr		
2648	16.3	16.3	30 cm		Tr	0.68		
2649	16.6	16.6	30 cm		Tr	Tr		
2650	29.8	30.1	30 cm	Pyritic pillowed metabasalt	Tr	Tr		
2651	43.6	43.8	20 cm	Quartz-carbonate vein with abundant pyrite associated with chloritized mafics	Tr	Tr		
2652	64.7	65.0	30 cm	Mafic pillowed metabasalt - pyritic (5%) pillow selvage with minor carbonate veinlets	Tr	Tr		

Diamond Drilling Log

Fill in on every page ⇨ | Hole No. ST83-3 | Page No. 1/1

Drilling Company	Collar Elevation	Bearing of hole from true North	Total meters	Dip of Hole at Dip/Az °
Morissette	432.7	196°	62.5	0 m Collar 45/196
Date Hole Started: Sept. 12, 1983	Date Logged: Sept. 14	Logged by: R. Shives		61 m 43/188
Date Completed: Sept. 13, 1983	Date Submitted	Submitted by (Signature)		m
Exploration Co., Owner or Optionee: ASAMERA INC., Calgary				m

Location of hole in relation to a fixed point on the claim: L0+57N 3+~~65~~W

Map Reference No.: M2663 | Claim No.: K535339

Location (Twp., Lot, Con. or Lat. and Long.): Turtlepond Lake Area, District of Kenora, Plan No. M-2663

Property Name: STARR PROJECT

Interval (m) From	To	Rock Type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Planar Feature Angle *	Core Specimen (m) †	Your Sample No.	Sample (m) From	To	Sample Length (cm)	Assays † Au	Ag
0	4.3	Casing and Overburden									
4.3	54.7	Pillowed Metabasalt	- Uniform throughout - dark green fine grained weakly chloritized well foliated pyritic pillowed metabasalt, identical to DDH ST83-1								
			- Open fractures average 1-2 per metre, predominantly parallel to foliation, but commonly cross-cutting.								
			- light green massive cores and dark/light/dark green selvages are well developed throughout								
			- Thin (2-5mm) cross-cutting quartz-carbonate veinlets are less common than in the previous two drill holes, average one per two metres.								
			- A single carbonate (80%) - quartz (20%) vein (10cm wide) occurs at 29.0m, containing traces pyrite along contacts			2653	28.6	28.9	30	Tr	1.18
						2654	28.9	29.1	20	Tr	1.46
						2655	29.1	29.4	30	Tr	.66
			- Pyrite is abundant throughout this interval (5%, locally 10 to 15%)								
54.7	62.5	Massive Metabasalt	- Dark green moderately chloritized massive to very weakly foliated coarse grained metabasalt peppered with small (1-2mm) irregularly shaped plagioclase clots (chloritized plag.?)								
			- Pyrite (1-3%) finely disseminated throughout.								
			- Fractures average 2-3 per metre and are rusty-red stained								
			- Thin white hairline carbonate veinlets are common throughout								
			- No healed or open structures occur								
	62.5		End of Hole 100% Recovery								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available See Assessment Work Regulations.

SAMPLE DESCRIPTIONS

Drill Hole No. ST83-3

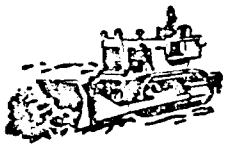
Sample No.	From	To	Width	Description	Assays			
					Au oz/ton	Ag oz/ton	As	
2653	28.6	28.9	30 cm	Wall rock; dark green fine grained weakly chloritized pyritic pillowed metabasalt	Tr	1.18		
2654	28.9	29.1	20 cm	Carbonate (80%) - quartz (20%) vein containing trace pyrite along contacts	Tr	1.46		
2655	29.1	29.4	30 cm	As for 28.6 - 28.9 above	Tr	0.66		

PHONE 937-4412
937-5350
BOX 220

D.E. & J.C. Hutchison Contracting Co. Ltd.

HWY. 17 EAST

GENERAL TRUCKING
EXCAVATING-
GRAVEL
EARTHFILL-
CRUSHED ROCK
DRAGLINE AND
BACKHOE SERVICE
TRACTOR
BULLDOZER
DROTT WORK
EQUIPMENT
RENTALS



SHELL

DRYDEN, ONT., July 21 1983

NAME Asamera Inc

ADDRESS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	To equipment rental, labour and material as per the attached breakdown.		3076 00
		TAX	—
		TOTAL	3076 00

RECEIVED BY

RD5-70

N/30	CLERK	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
	✓			✓			

SYSTEMS EQUIPMENT LIMITED THUNDER BAY, CANADA - 1-44389

2732

CUSTOMER'S COPY

2% INTEREST PER MONTH CHARGED ON OVERDUE ACCOUNTS

J.C. HUTCHISON CONTRACTING CO. LTD.

July 14	Float TD 25	6 hrs. @	$65.00/hr	$ 390.00
	Escort	6 hrs. @	$35.00/hr	$ 210.00
	TD 25 (Bulldozer)	8 hrs. @	$95.00/hr	$ 760.00
	Superintendent (flagging)	8 hrs. @	$22.00/hr	$ 176.00
July 18	Float Drott 50	6 hrs. @	$65.00	$ 390.00
	Drott 50 (CASE 225 BACKHOE)	4½ hrs @	$70.00	$ 315.00
July 19	Drott 50	9½ hrs @	$70.00	$ 665.00
July 20	Drott 50	1 hr. @	$70.00	$ 70.00
		digging water hole @ Starr		
Water pump	4 x 50'lengths hose	2 days @	$50.00/day	$ 100.00
	1 suction/intake pump			
				$3076.00

OK for payment

Copy to STARR PROJECT
Contracts / Contractors file

ASAMERA INC. 001568

OR NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

D INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO
08/01/83	00154

PAY

*THREE THOUSAND SEVENTY SIX DOLLARS AND 00/100**********

PAY EXACTLY
$ ****3,076.00

TO THE ORDER OF

DE & JD HUTCHINSON CONTRACTING
COMPANY LIMITED
*BOX 229
[illegible], ALBERTA

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

INVOICE

N. MORISSETTE
DIAMOND DRILLING LIMITED

CONTRACT DIAMOND DRILLING

BOX 789 HAILEYBURY, ONT. TELEX 067-82590
TEL. 672-3326

IN ACCOUNT WITH

REMIT TO
BOX 789
HAILEYBURY, ONT., POJ 1KO

INVOICE NO. № 7720

INVOICE DATE September 30, 1983

Asamera Inc.
144-4th Avenue S.W.
Suite 2100,
CALGARY, Alberta
T2P 3N4

- DR -

80 ft. Driving through overburden	@ $18.25 per ft.	$ 1,460.00
1300 ft. Rock Diamond Drilling	@ 14.25 per ft.	18,525.00
1 N.W. Shoe Bit		232.00
Plus 15% $232.00		34.80
Rental of Tropari Instrument - 1/2 month		100.00
4 Moves (Less than 500')	@ 350.00 per move	1,400.00
16 Tests	@ 42.75 each	684.00
2 Moves (Over 500') - as per attached		3,965.16
Pulling Casing Charges - as per attached		169.05
		$26,570.01

Hole #	Overburden To 50'	Rock Drilling to 500'
7	10'	275'
8	10'	225'
9	10'	195'
10	10'	205'
11	24'	211'
12	16'	189'
	80'	1300'

OK for payment
code to STARR
3190B110

yden N.Q.

ASAMERA INC. UU2276

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
[illegible]	[illegible]		[illegible]	[illegible]

M[illegible] INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
63100021	7720	09/30/83	26,570.01		26,570.0[illegible]

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

TWENTY SIX THOUSAND FIVE HUNDRED SEVENTY DOLLARS AND 01/100[illegible]

DATE	CHECK NO.
10/20/83	0[illegible]

PAY EXACTLY
$ [illegible]26,570.01

TO THE
ORDER OF

[illegible] DRILLING
[illegible]
[illegible]
[illegible] PLAINS

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

INVOICE

RECEIVED SEP 2 0 1983

N. MORISSETTE
DIAMOND DRILLING LIMITED

CONTRACT DIAMOND DRILLING

BOX 789 HAILEYBURY, ONT. TELEX 067-82590
TEL. 672-3326
IN ACCOUNT WITH

REMIT TO
BOX 789
HAILEYBURY, ONT., P0J 1K0

INVOICE NO. № 7660 R

INVOICE DATE August 31, 1983

Asamera Inc.,
144 - 4th Avenue S.W.
Suite 2100,
CALGARY, Alberta.
T2P 3N4

- DR -

126 Ft.	Driving through overburden	@ $ 18.25 per ft.	$ 2,299.50
1028 Ft.	Rock Diamond Drilling	@ 14.25 per ft.	14,649.00
	4 ft. N.W. Casing	@ 18.75 per ft.	75.00
	1 N.W. Shoe bit	@ 232.00 each	232.00
	Plus 15% ($307.00)		46.05
	Rental of Tropari Instrument - 1 month		200.00
	Mob. & Demob. as per Clause F1		7,500.00
	17 Tests	@ 42.75 each	726.75
	5 moves (Less than 500' each)	@ 350.00 per move	1,750.00
	Pulling casing charges - as per attached		703.23
			$28,181.53

Hole #	Overburden to 50'	Rock Drilling to 500'	Casing left in holes 2' N.W.
1	14'	151'	
2	26'	189'	
3	28'	141'	
4	16'	229'	4'
5	16'	129'	
6	26'	189'	
	126'	1,028'	4'

st: Dryden Area - N.Q.

ASAMERA INC. 002159

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
[illegible]	ORISSETTE DIAMOND DRILLING		10/05/83	002159

M INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
A3090208	7660 R	08/31/83	28,181.53		28,181.53

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
10/05/83	002159

PAY

*******TWENTY EIGHT THOUSAND ONE HUNDRED EIGHTY ONE DOLLARS AND 53/100*******

INVOICE

CHEMEX LABS (ALBERTA) LTD.

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

13063

MR. D. HASSELL
ASAMERA INC.
2100 - 144 - 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

DATE AUG.9, 1983 BM

CHEMEX NUMBER	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
	830700	1	2615

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:
	STARR PROJECT

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
9	ROCK SAMPLE PREPERATION	$ 3.75	1 2 310	$ 33.75
9	ROCK FIRE ASSAY GOLD-SILVER	11.00	1 2 320	99.00
	FREIGHT CHARGES			41.25
				$ 174.00

'S – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

001 R3/81

'T DISTRIBUTION

BER	NAME	CITY/TOWN
	AS ABOVE	AS ABOVE

for payment
D Hall
ARR 3190E160

ASAMERA INC. 001792

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO
			08/24/83	

ME[illegible]NFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	[illegible]	174.00		[illegible]

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
08/24/83	001792

PAY
FOUR HUNDRED THREE DOLLARS AND 50/100*********

PAY EXACTLY
$*******403.50

TO THE ORDER OF
CHEMEX LABS (ALBERTA) LTD.
[illegible]
CALGARY, ALTA, T2E 6P2

AUTHORIZED SIGNATURE
NON NEGOTIABLE
AUTHORIZED SIGNATURE

174.00

RECEIVED	
REPORTED	

CHEMEX

2021 41 AVENUE N.E., CALGARY, CANADA T2E 6P2
TEL: (403) 276-9627 TELEX: 038-25541

FILE	
RPT	

Please analyze by special ☐ normal ☐ assay ☒ geochemical ☐ methods, the enclosed prepared ☐ unprepared ☒ samples

If special, please provide special instructions and/or additional remarks

Total No. Samples NINE No. of Parcels in Shipment ONE

SAMPLE NUMBERS	NO	TYPE	GEOCHEMICAL								FA	FA-AA	ASSAYS					
4852 to 4860	9	Rock									✓		Au	Ag				
____ to ____																		
____ to ____																		
____ to ____																		
____ to ____																		
____ to ____																		
____ to ____																		
TOTAL	NINE																	

Size Fraction to be analyzed (geochem. Only) ____

IN JUNE ☐, DECEMBER ☒ ~~RETURN REJECTS and PULPS TO:~~
NOTIFY D. HASSELL IN CALGARY OFFICE

Date Shipped FRIDAY JULY 29/83 Via NORDAIR Prepaid ☐ Collect ☐

Results and Invoices To Be Sent To

☒ Results ☐
☐ Invoice ☐

Asamera Inc (No results to this address)
Box 1008
Dryden Ont.

☐ Results ☒
☐ Invoice ☒

ASAMERA INC
2100 - 144 4th Ave S.W.
Calgary ALTA
T2P 3N4

Samples Submitted By
R. SHIVES

Project Number STARR PROJECT

INVOICE

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

LABS (ALBERTA) LTD.

12684

HIVES DATE JULY 6,1983 TT

AMERA INC.,

BOX 1003,

DRYDEN ONTARIO

P8N 1C0

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	83 700	1	2503

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
	FREIGHT CHARGES FOR SAMPLES RECEIVED AND ANALYZED W.O. # 83-700-1-2503 COPY ENCLOSED			$ 61.58

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

Form # 0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN

3190 STARR PROJECT
Code to J 180

ASAMERA INC. 001637

VENDOR NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

M.E. INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
08/11/93	001637

PAY
SIXTY ONE DOLLARS AND 50/100**********

PAY EXACTLY
$**********61.50

TO THE ORDER OF
CHEMEX LABS (ALBERTA) LTD.
100-2001-41ST AVE NE
CALGARY, ALTA. T2E 6P2

AUTHORIZED SIGNATURE
NON NEGOTIABLE
AUTHORIZED SIGNATURE

CHEMEX LABS (ALBERTA) LTD.

INVOICE

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

12893

ATTN: MR. V. TANAKA DATE JULY 25, 1983 TT

ASAMERA INC.,
SUITE 2100
144 - 4th AVENUE S.W.,
CALGARY, ALBERTA T2P 3N4

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	83 700	1	2503

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
1	ROCK 30 ELEMENT SCAN	$ 32.50	1 2 350	$ 32.50

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

Form # 0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
3	AS ABOVE	

OK for payment
- DH

CUSTOMER'S COPY

ASAMERA INC. 001607

VENDOR NO	VENDOR NAME		CHECK DATE	CHECK NO.
[illegible]	[illegible]		[illegible]	[illegible]

M[illegible] INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO
09/09/93	0014[illegible]

PAY
THIRTY TWO DOLLARS AND 50 CENTS

PAY EXACTLY
$*****32.50

TO THE ORDER OF
[illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

CHEMEX LABS (ALBERTA) LTD.

INVOICE

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

12367

LA

ATTN: MR. V. TANAKA DATE JUNE 10/83

ASAMERA INC.
SUITE 2100, 144 - 4 AVE., S.W.,
CALGARY, ALBERTA
T2P 3N4

RECEIVED JUN 17 1983

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	83-700	1	2503

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:
	STARR

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
22	ROCK SAMPLE PREPARATION	$ 3.75	1 2 310	$ 82.50
22	ROCK FIRE ASSAY FOR GOLD & SILVER	11.00	1 2 320	242.00
10	GEOCHEM ANALYSIS FOR ARSENIC	4.50	1 2 330	45.00
				$ 369.50

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

Form # 0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
3	AS ABOVE	
3	R.B.K. SHIVES	DRYDEN, ONT.

Call
Code STARR
Invoice to
Comments
Date

FF-0033 R 8/82

CUSTOMER'S COPY

ASAMERA INC. 001327

VENDOR NO	VENDOR NAME		CHECK DATE	CHECK NO
[redacted]	[redacted]		[redacted]	[redacted]

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[redacted]	[redacted]	[redacted]	[redacted]		[redacted]

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
06/27/83	001327

PAY
THREE HUNDRED SIXTY NINE DOLLARS AND 50/100**********

PAY EXACTLY
$*****369.50

TO THE ORDER OF
CHECK LOG (ALBERTA) LTD.
100-2021-41 AVE NE
CALGARY, ALTA. T2E 6P2

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

CHEMEX

CALGARY # 100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA

DATE JUNE 10/83

PROJECT NO. 83-700-1-2503

LOCATION	AS PPM
4751	3
4752	7
4756	2
4761	1
4766	1
4767	2
4768	2
4770	1
4771	2
4772	1

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by ....

CHEMEX

CALGARY # 100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
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GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA

STARR

DATE JUNE 10/83

PROJECT NO. 83-700-1-2503

SAMPLE NUMBER	AU OZ/TON	AG OZ/TON
4751	0.029	<0.01
4752	3.431	0.27
4753	<0.003	<0.01
4754	0.025	<0.01
4755	1.439	0.23
4756	2.128	0.18
4757	<0.003	<0.01
4758	<0.003	<0.01
4759	<0.003	<0.01
4760	<0.003	<0.01
4761	0.042	<0.01
4762	<0.003	<0.01
4763	<0.003	<0.01
4764	<0.003	<0.01
4765	<0.003	<0.01
4766	0.010	<0.01
4767	<0.003	<0.01
4768	0.060	0.02
4769	0.005	<0.01
4770	3.929	0.40
4771	4.614	0.60
4772	7.177	0.58

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N E.
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex: 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No. _____
PROJECT STARR
DATE SHIPPED June 2, 1983
No. OF CARTONS 1
No. OF SAMPLES 22
SHIPPED BY R B.K. SHIVES
WORK ORDER No. _____
DATE RECEIVED _____

sent to Chemex

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO (FIELD ADDRESS)

Asamera Inc.
P.O. Box 1003
Dawson, ONTARIO
Attn. R. B.K. Shives

INVOICES TO BE SENT TO Results +

Asamera Inc.
Suite 2100 - 144 4th Ave SW
Calgary, Alta. T2P 3N4
Attn. V. TANAKA

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)
SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
2	Rock	4751 - 4752	Au, Ag, As	FA
3	"	4753 - 4755	Au, Ag	"
1	"	4756	Au, Ag, As	"
4	"	4757 - 4760	Au, Ag	"
1	"	4761	Au, Ag, As	"
4	"	4762 - 4765	Au, Ag	"
3	"	4766 - 4768	Au, Ag, As	"
1	"	4769	Au, Ag	"
3	"	4770 - 4772	Au, Ag, As	"
1	Rock	4770	30 element scan	

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE R.B.K. Shives

SPECIAL INSTRUCTIONS

Please Rush

- Please send ASSAY request FORMS AND SHIPPING LABELS TO FIELD ADDRESS ABOVE

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

CHEMEX LABS (ALBERTA) LTD.

INVOICE

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

12584

ATTN: MR. V. TANAKA DATE JUNE 27, 1983 TT

ASAMERA INC.,
SUITE 2100,
144 - 4th AVENUE S.W.,
CALGARY, ALBERTA T2P 3N4

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	83 700	1	2529

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
2	ROCK SAMPLE PREPARATION	$ 3.75	1 2 310	$ 7.50
2	ROCK FIRE ASSAY AA FINISH	$ 6.50	1 2 330	$ 13.00
2	ROCK GEOCHEM ANALYSIS FOR SILVER	$ 3.50	1 2 330	$ 7.00
				$ 27.50

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

Form # 0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
3	AS ABOVE	
3	MR. R. B. SHIVES	DRYDEN ONTARIO

CHEMEX LABS (ALBERTA) LTD.

INVOICE

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

12636

ATTN: MR. R.B.K. SHIVES DATE JUNE 30/83 LA

ASAMERA INC.
SUITE 2100, 144 - 4 AVE., S.W.,
CALGARY, ALBERTA
T2P 3N4

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	83-700	1	2530

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:
	STARR PROJECT

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
27	ROCK SAMPLE PREPARATION	$ 3.75	1 2 310	$ 101.25
27	ROCK FIRE ASSAYED FOR GOLD & SILVER	11.00	1 2 320	297.00
				$ 398.25

PAID
CHEQUE NO.
DATE
EXTENSIONS CHECKED
PAYMENT APPROVED BY

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

Form # 0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
2	AS ABOVE	
1	R.B.K. SHIVES	DRYDEN, ONTARIO

CUSTOMER'S COPY

ASAMERA INC. 001418

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
[illegible]	[illegible]		07/18/83	[illegible]

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	[illegible]	398.25		398.2
[illegible]	[illegible]	[illegible]	27.50		27.5

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
07/18/83	00141

PAY
FOUR HUNDRED TWENTY FIVE DOLLARS AND 75/100**********

PAY EXACTLY
$******425.75

TO THE ORDER OF
CHEMEX LABS (ALBERTA) LTD.
[illegible]
CALGARY, ALTA. T2E 6P2

AUTHORIZED SIGNATURE
NON-NEGOTIABLE
AUTHORIZED SIGNATURE

CHEMEX

CALGARY # 100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA INC.,

DATE JUNE 28, 1983

PROJECT NO. 83 700-1-2529

LOCATION	AG PPM	AU PPB
A	0.3	255
B	0.3	70

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

Camp Copy.

RECEIVED	
REPORT	

CHEMEX

2021 41 AVENUE N.E., CALGARY, CANADA T2E 6P2
TEL: (403) 276-9627 TELEX: 038-25541

FILE	
RPT	

Please analyze by special ☐ normal ☐ assay ☒ geochemical ☐ methods, the enclosed prepared ☐ unprepared ☒ samples

If special, please provide special instructions and/or additional remarks

Total No. Samples 27 No. of Parcels in Shipment

SAMPLE NUMBERS			GEOCHEMICAL								FA	FA-AA	ASSAYS					
	NO	TYPE																
4825 to 4851	27	Rock									✓		Ag	Au				
to																		
to																		
to																		
to																		
to																		
to																		
TOTAL	27																	

Size Fraction to be analyzed (geochem. Only)

IN JUNE ☐, DECEMBER ☐ RETURN REJECTS and PULPS TO:

Date Shipped JUNE 14/83 Via NORDAIR Prepaid ☐ Collect ☒

Results and Invoices To Be Sent To

	FIELD ADDRESS		HEAD OFFICE
	ASAMERA INC BOX 1003 DRYDEN ONTARIO P8N 3E3		ASAMERA INC. 2100 - 144 4th Ave S.W. CALGARY ALTA T2P 3N4
Results ☒		Results ☐	
Invoice ☐		Invoice ☐	

Samples Submitted By

R.B.K. SHIVES

Project Number STARR PROJECT

CHEMEX

CALGARY # 100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA INC.

STARR PROJECT

DATE JUNE 30/83

PROJECT NO. 83-700-1-2530

SAMPLE NUMBER	AU OZ/TON	AG OZ/TON
4825-A	<.003	<.01
4826-B	<.003	<.01
4827-C	<.003	<.01
4828-D	.129	.034
4829-E	<.003	<.01
4830	<.003	<.01
4831	.01	<.01
4832	.951	.079
4833	.172	.023
4834	<.003	<.01
4835	<.003	<.01
4836	<.003	<.01
4837	<.003	<.01
4838	<.003	<.01
4839	<.003	<.01
4840	<.003	<.01
4841	<.003	<.01
4842	<.003	<.01
4843	<.003	<.01
4844	<.003	<.01
4845	.841	.083
4846	.182	.016
4847	<.003	<.01
4848	<.003	<.01
4849	.028	.005
4850	.525	.086
4851	<.003	<.01

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

INVOICE

CHEMEX LABS (ALBERTA) LTD.

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

11642

MR. V. TANAKA DATE MARCH 29, 1983 TT

ASAMERA INC.,

SUITE 2100,

144 - 4th AVENUE S.W.,

CALGARY, ALBERTA T2P 3N4

CHEMEX NUMBER	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
	82 700	1	0362

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:
	ROCK ASSAYS - STARR occurrence

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
4	SAMPLES PREPARED FOR ANALYSIS	$ 3.50	1 2 310	$ 14.00
4	SAMPLES ASSAYED FOR AU, AG & AS	$ 20.10	1 2 320	$ 80.40
2	SAMPLES ASSAYED FOR CU	$ 5.75	1 2 320	$ 11.50
				$ 105.90

AJK

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
3	SAME AS ABOVE	SAME AS ABOVE

Code to STARR E 160

CUSTOMER'S COPY

ASAMERA INC. 000688

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO
[illegible]	[illegible]		[illegible]	[illegible]

M INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	12/29/82	[illegible]		105.90

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
04/14/83	00068

PAY
ONE HUNDRED FIVE DOLLARS AND 90/100**********

PAY EXACTLY
$*****105.90

TO THE ORDER OF
CHEMEX LABS (ALBERTA) LTD.
[illegible]
CALGARY, ALTA. T2E 6K2

AUTHORIZED SIGNATURE
NON NEGOTIABLE
AUTHORIZED SIGNATURE

CHEMEX

CALGARY [illegible] 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA INC.,
ROCK ASSAYS

DATE MARCH 29, 1983

PROJECT NO. 82 700-1-0362

LOCATION	AU OZ/TON	AG OZ/TON	CU %	AS %
4251	<0.003	<0.01	0.640	<0.010
4252	<0.003	<0.01	-	<0.010
4253	<0.003	<0.01	-	<0.010
4254	<0.003	<0.01	1.14	<0.010

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .... Andrew Kwan

INVOICE

CHEMEX LABS (ALBERTA) LTD.

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

11778

ATTN: Vic Tanaka DATE April 11, 1983 LF

Asamera Inc.
Suite 2100, 144 - 4 Avenue, S.W.,
Calgary, Alberta
T2P 3N4

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	82-700	1	0355

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:
	Star Occurrence

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
3	Samples analyzed for 30 element semiquantitative spectrograph	$ 30.00	1 2 320	$ 90.00

EXTENSIONS CHECKED BB
DISCOUNT APPROVED BY

TERMS — NET CASH — Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

0001 R3/81

REPORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
2	As Above	
1	Dave Hassell	Calgary

VAT # 319 0816

RECEIVED APR 13

CUSTOMER'S COPY

ASAMERA INC. 000720

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
			[illegible]	

INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	04/11/83	90.00		[illegible]

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO
04/21/83	00072

PAY

NINETY DOLLARS AND 00/100**********

PAY EXACTLY
$********90.00

TO THE ORDER OF

CHEMEX LABS (ALBERTA) LTD.
100-2021-41ST AVE NE
CALGARY, ALTA. T2E 6P2

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

CHEMEX

CALGARY # 100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE 03) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA INC.

DATE APRIL 11/83

PROJECT NO. 82-700-1-0355

SAMPLE NO.:	Lower Concentration Limit (PPM)	2977	2978	2980
Aluminum	0.02%	7	7	1
Antimony	100	<200	<200	<200
Arsenic	100	<200	<200	<200
Barium	2	<20	700	100
Beryllium	5	<5	<5	<5
Bismuth	10	<10	<10	<10
Boron	20	<50	<50	<50
Cadmium	50	<50	<50	<50
Calcium	0.05%	5	10	0.1
Chromium	10	30	<20	150
Cobalt	20	50	50	70
Copper	2	50	150	300
Germanium	10	<50	<50	<50
Iron	0.05%	3	5	0.5
Lead	10	<10	<10	<10
Magnesium	0.02%	7	2	<0.10
Manganese	5	2000	3000	10
Molybdenum	100	<200	<200	<200
Nickel	10	150	200	100
Niobium	200	<500	<500	<500
Potassium	0.5%	<1.0	2	<1.0
Silicon	0.05%	20	20	30
Silver	1	<2	<2	<2
Sodium	0.1%	2	0.5	0.3
Thorium	200	<500	<500	<500
Tin	10	<20	<20	<20
Titanium	20	>5000	>5000	150
Vanadium	50	100	500	<100
Zinc	20	100	200	<50
Zirconium	20	200	500	<100

SEMI QUANTITATIVE SPECTOGRAPHIC ANALYSES

> 5000 ppm = 5000 ppm
5000 ppm = 2500 - 10000 ppm
2000 ppm = 1000 - 4000 ppm
1000 ppm = 500 - 2000 ppm
500 ppm = 250 - 1000 ppm

200 ppm = 100 - 400 ppm
100 ppm = 50 - 200 ppm
50 ppm = 25 - 100 ppm
20 ppm = 10 - 50 ppm
10 ppm = ~~2~~ 5 - ~~10~~ 20 ppm

5 ppm = ~~5~~ 2 - ~~20~~ 10 ppm
2 ppm = 1 - 4 ppm
1 ppm = 0.5 - 2 ppm
bcl = below concentration limit

Ranges for Iron, Calcium & Magnesium are reported in %

Al, K, Si, Na

1-48 GC 3/81

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by .....

INVOICE

CHEMEX LABS (ALBERTA) LTD.

Send cheque to:
Suite 100 - 2021 - 41 Ave. N.E.
Calgary, Alberta, Canada T2E 6P2
TELEPHONE: (403) 276-9627

11464

TANAKA DATE MARCH 11/83 LF

ASAMERA INC.
SUITE 2100, 144 - 4 AVE., S.W.,
CALGARY, ALBERTA
T2P 3N4

	CUSTOMER NO.	DEPT. NO.	PROJECT NO.
CHEMEX NUMBER	82-700	1	0355

PURCHASE ORDER NUMBER	CLIENT REFERENCE INFO:
	STAR OCCURENCE

QTY.	DESCRIPTION	PRICE PER UNIT	PRODUCT CODE	TOTAL
7	ROCK SAMPLES PREPARED	$ 3.50	1 2 310	$ 24.50
7	SAMPLES FIRE ASSAYED FOR GOLD AND SILVER	10.00	1 2 320	70.00
7	SAMPLES ASSAYED FOR ARSENIC	10.10	1 2 320	70.70
				$ 165.20

310

VAT

TERMS – NET CASH – Payment is due upon receipt of this invoice.
Interest charged on overdue accounts at 2% per month (24% per annum) after 30th day from invoice date.

0001 R3/81

PORT DISTRIBUTION

NUMBER	NAME	CITY/TOWN
2	AS ABOVE	
1	D. HASSELL	CALGARY

CUSTOMER'S COPY

ASAMERA INC. 000661

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO
[redacted]			/ /	

INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
A3030095	[illegible]	03/13/83	1,[illegible]		
+3030142	[illegible]	03/11/83	20[illegible]		
+3030143	[illegible]	03/11/83	19[illegible]		

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
04/12/83	00066

PAY
ONE THOUSAND SIXTY SIX DOLLARS AND 31/100**********

PAY EXACTLY
$***1,066.31

TO THE ORDER OF
CHEMEX LABS (ALBERTA) LTD.
[illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

165.20

CHEMEX

CALGARY # 100 - 2021 - 41 AVENUE N.E.
CALGARY, ALBERTA, CANADA T2E 6P2
TELEPHONE (403) 276-9627 TELEX 038-25541

EDMONTON 8764 - 50th AVENUE
EDMONTON, ALBERTA, CANADA T6E 5K8
TELEPHONE (403) 465-9877

GRANDE PRAIRIE 8504-112 STREET
GRANDE PRAIRIE, ALBERTA, CANADA T8V 5X4
TELEPHONE (403) 532-0227

CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

ASAMERA

STAR OCCURRENCE

DATE MARCH 11/83

PROJECT NO. 82-700-1-0355

LOCATION	AU OZ/TON	AG OZ/TON	AS %
2976	<0.003	<0.01	<0.01
2977	<0.003	0.01	<0.01
2978	0.007	0.01	<0.01
2979	<0.003	<0.01	<0.01
2980	0.028	0.01	<0.01
2981	<0.003	<0.01	<0.01
2982	9.160	0.55	<0.01
2982	9.256	0.53	
2982 REJECT	9.012	0.53	
2982 REJECT	9.280	0.50	

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by

40811

TerraMin Research Labs Ltd.
14 - 2235 30th Ave. N.E.
Calgary, Alberta
T2E 7C7

RECEIVED SEP 2 6 1983

Asamera Inc.
2100 - 144 4th Ave. S.W.
Calgary, Alberta T2P 3N4

SHIP TO: SAME

SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO	OUR ORDER NO.	TERMS	SALESMAN
.22,1983				83-291	30 days	

ORDERED	QTY ORDERED	DESCRIPTION	QTY SHIPPED	UNIT PRICE	AMOUNT
		Rock sample preparation	6	2.75	16 50
		Au, Ag (Fire Assay/AA), As, Sb, Hg analysis	6	15.50	93 00
					$ 109 50
		Re: Project "STARR" - Dave Hassell			

INVOICE

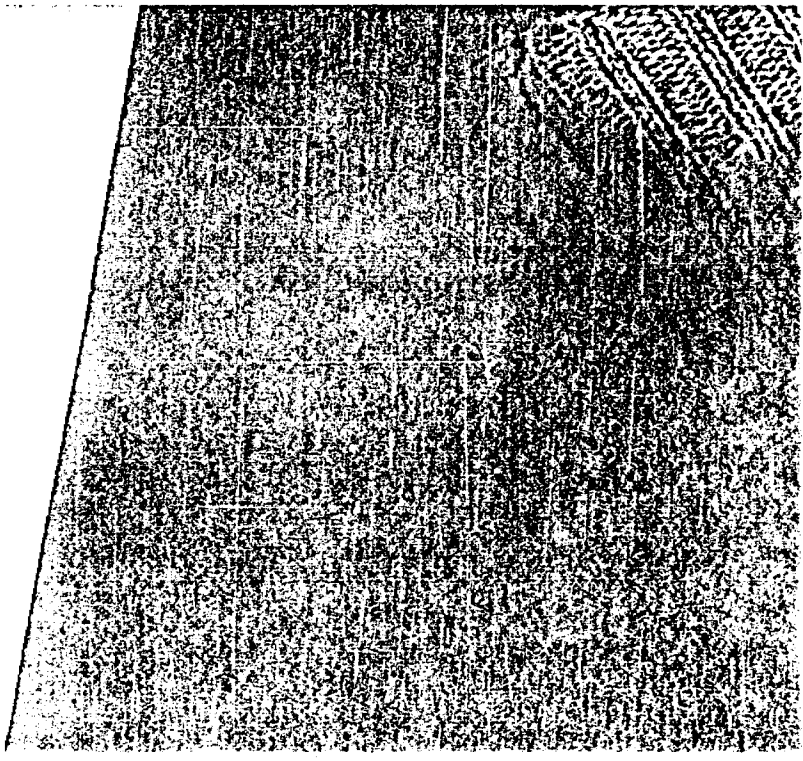
BACK ORDERED ITEMS WILL BE SHIPPED AS SOON AS AVAILABLE UNLESS WE ARE OTHERWISE ADVISED.
N/A ITEMS ARE NOT AVAILABLE AND HAVE NOT BEEN BACK ORDERED.

DATE SHIPPED | B/O FROM | B/O TO

MOORE SPEEDISET 7S015E

E. & O.E.

INVOICE



ASAMERA INC. 002174

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
			/ /	

INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
83090264					

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
10/05/83	002174

PAY

ONE HUNDRED NINE DOLLARS AND 50/100**********

PAY EXACTLY
$******109.50

TO THE ORDER OF

TERRAMIN RESEARCH LABS LTD
14-2235-30 AVE N.E.
CALGARY, ALBERTA, T2E 7C7

AUTHORIZED SIGNATURE

NON-NEGOTIABLE

AUTHORIZED SIGNATURE

Terramin

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N E,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STARR
DATE SHIPPED Sept 14 1983
No. OF CARTONS 1
No. OF SAMPLES 6
SHIPPED BY VAT
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

INVOICES AND RESULTS TO BE SENT TO
D. Hassell
Asamera Inc.
Suite 2100 - 1414 4th Ave SW
Calgary, Alta. T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)
SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH
OTHER Sent to Terramin

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
6	ROCK	1342 - 1347	Au, Ag, As, Sb, Hg	Geochemical methods

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS,RETURN			
STORE 120 DAYS, DISCARD	X	X	
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SPECIAL INSTRUCTIONS

SIGNATURE

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-291

Asamera Inc.
Dave Hassell

Date Sept.21,1983

Client Project STARR

Page 1/1

Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
1342	-2	10	12.2	0.1	15
1343	-2	10	16.4	0.7	5
1344	2	10	12.2	0.4	10
1345	2	60	7.7	1.1	10
1346	-2	40	16.8	0.4	5
1347	-2	10	1.7	0.1	10

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

Min Research Labs Ltd.
- 2235 30th Ave. N.E.
Calgary, Alberta
T2E 7C7

6405

SOLD TO Asamera Inc.
2100 - 144 4th Ave. S.W.
Calgary, Alberta T2P 3N4

SHIP TO

DATE	SHIPPED VIA	FED. LICENCE NO	PROV. LICENCE NO.	YOUR ORDER NO	OUR ORDER NO.	TERMS	SALESMAN
June20,1983	courier				83-101	30 days	

B/O ORDERED	QTY ORDERED	DESCRIPTION	QTY SHIPPED	UNIT PRICE	AMOUNT
		Sample preparation (pulverize only)	24	1.75	42 00
		Gold & Silver analysis (Fire Assay/AA)	24	6.30	151 20
		Arsenic & Antimony analysis	24	4.70	112 80
		Mercury analysis	24	4.00	96 00
					$ 402 00
		Work requested by Dave Hassell			

INVOICE

BACK ORDERED ITEMS WILL BE SHIPPED AS SOON AS AVAILABLE UNLESS WE ARE OTHERWISE ADVISED.
N/A ITEMS ARE NOT AVAILABLE AND HAVE NOT BEEN BACK ORDERED.

DATE SHIPPED | B/O FROM | B/O TO

E & O.E.

MOORE SPEEDISET 7S015E

INVOICE

ASAMERA INC. 001388

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
	[illegible]		[illegible]	[illegible]

M[illegible]NFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
A3060361	6405	06/20/83	402.00		402.00

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

FOUR HUNDRED TWO DOLLARS AND 00/100**********

DATE	CHECK NO.
07/07/83	001388

TO THE ORDER OF

TERRAMIN RESEARCH LABS LTD
14-2325-30 AVE N.E.
CALGARY, ALBERTA, T2E 7C7

PAY EXACTLY
$ **********402.00

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No. _____
PROJECT STAPR
DATE SHIPPED June 3, 1983
No. OF CARTONS 1
No. OF SAMPLES 24
SHIPPED BY Asamera Inc. via Nordair
WORK ORDER No. _____
DATE RECEIVED _____

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

Asamera Inc.
P.O. Box 1003
Dryden, Ontario
P8N 3E3 Attn. R. Shives

Results +
INVOICES TO BE SENT TO

Asamera Inc.
Suite 3100 - 144 4th Ave SW
Calgary
Attn: K. TANAKA + D. HASSELL

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)
SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
24	Rock	4776 - 4799	"Goldprint"	

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE D. Hassell

SPECIAL INSTRUCTIONS

Please forward rejects to Terramin - Calgary for some elemental analyses.

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-101

Asamera Inc.
Dave Hassell

Date June 18,1983

Client Project

Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
4776	8	50	7.9	0.3	25
4777	4	30	0.7	0.4	-5
4778	8	70	2.3	0.3	-5
4779	10	160	7.9	0.9	-5
4780	2	340	1.0	0.5	5
4781	2	70	1.0	0.3	10
4782	2	50	7.6	0.1	10
4783	-2	60	0.7	0.1	-5
4784	42	70	9.5	-0.1	5
4785	20	230	4.6	0.1	20
4786	-2	80	25	0.1	5
4787	34	50	5.9	-0.1	15
4788	12	40	5.3	0.4	15
4789	4	30	23	0.1	10
4790	-2	40	5.9	-0.1	-5
4791	4	90	89	9.6	15
4792	2	110	63	0.4	-5
4793	8	40	22	0.1	-5
4794	4	100	77	0.3	-5
4795	16	90	35	-0.1	5
4796	82	70	1.3	-0.1	5
4797	64	60	2.1	-0.1	-5
4798	156	80	1.0	3.6	5
4799	828	210	33	0.3	-5

Note: Minus sign indicates less than figure given.

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

X-RAY ASSAY LABORATORIES
LIMITED
[illegible] LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

[illegible] INC
ATTN: L. DAUPHIN
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

SUBMITTED TO

ASAMERA INC
ATTN: L. DAUPHIN
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO. 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
18913	14-SEP-83	14406	3-AUG-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	STARR	HUMUS

NO. OF PAGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
5	NORDAIR	36219	

1.	300	AU, AS, SB, HUMUS	13, 2, 20, 0, 0, 0	8.50	2550.00
2.	300	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	210.00

Code to STARR
3190E160
Dil Dall

SUB-TOTAL $ 2760.00

PREP. FEES	CUSTOM BROKERAGE	TELEX	CUSTOM CHARGES	
24.00				$ 24.00

$ 2784.00

CE

ASAMERA INC. 002287

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
			/ /	

M[illegible]NFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]175	[illegible]3813	09/14/83	[illegible]		

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY [illegible] EIGHTY FIVE DOLLARS AND 00/100*********

DATE	CHECK NO.
10/20/83	[illegible]

PAY EXACTLY
$*****2,784.00

TO THE ORDER OF [illegible]

[illegible]
AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page 1 of 1

for office use only
FILE
REPT
Date
Carrier
☐ ppd. ☐ col.
WB#

Submitted by AGAMERA INC 2100-144 4th AVE, S.W. CALGARY, ALTA. T2P 3N4

The samples of HUMUS listed below are to be analyzed by: ☐ Geochemical methods
NEUTRON ACTIVATION : ☐ Assessment assay methods
for the elements circled and/or as indicated in the listing. Report to: 1 ☐ Head office, 2 ☐ Field office,
3 ☐ Other (please specify) _____
Invoice to (1), 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost _____ days, ☐ discard after 90 days.
AUTHORIZED BY L. DAUPHIN DATE July 29/83

PROJECT# STARR
P.O.#
SERVICE AGREEMENT#

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo Au As Sb B U Th Sn W S F Ba Pt Pd | Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI) | 30 El

SAMPLE NUMBER	Au	As	Sb	SAMPLE NUMBER
BOX 1 — 45 Samples				
SH-3430 — SH3457				
SH-3476 — SH-3492				
BOX 2 — 61 Samples				
SH-3000 — SH				
SH-3201 — SH 3260				
BOX-3 — 61 Samples				
SH-3099 — SH-3159				
BOX 4 — 70 Samples				
SH-3160 — SH-3200				
SH-3401 — SH 34-29				
BOX 5				
SH 3261 — SH 33..	63			
				total 300

LIMITED
1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5705

COPY TO

ASSELL
ENUE SOUTH WEST, SUITE 2100
ALBERTA
N4

ASAMERA INC
ATTN: DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO. 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
18580	17-AUG-83	14174	18-JUL-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	STARR		HUMUS

NO. PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
7 BOXES	RUSH EXPRESS/NORDAIR	222396-333-1335-5672	

				UNIT COST	AMOUNT
1.	512	AU, AS, SB, HUMUS	13, 2, 20, 0, 0, 0	8.50	4352.00
2.	512	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	358.40

OK for payment
code to STARR PROJECT
E160
Dave Hassell

PAID
BB

SUB-TOTAL $ 4710.40

FREIGHT CHARGES	COST OF SHIPPING POSTAGE	TAX	MINIMUM CHARGES	
44.38				$ 44.38

	$ 4754.78

CE

LIMITED

1888 ESSEX STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

ra Inc
: Dave HAssell
4/th Avenue South West, Suite# 2100
algary , Alberta T2P 3N4

MITTED TO:

Customer# 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
M1069	Aug ,2383		

TERMS

Net 30 days ,1.5% per month interest on account over 30 days

S P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED

NO. PAGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM

Re: Report & Invoice# 18389 Jul 29,83

Additional shipping paid on your behalf (R&M #004073) $ 8.00

TOTAL $ 8.00

ASAMERA INC. 002082

NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

ME INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

[illegible] ********** 09/23/83 002082

TO THE ORDER OF

[illegible]

PAY EXACTLY

$ ****4,762.78

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page ____ of ____

for office use only
FILE ____
REPT ____
Date ____
Carrier ____
☐ ppd. ☐ col. ____
WB# ____

Submitted by ASAMERA INC, BOX 1003, PRYDEN, ONT P3N 3E3
ASAMERA INC, 2100-14-4, 4th AVE S.W., CALGARY, ALTA T2P 2W1

The samples of HUMUS listed below are to be analyzed by: ☐ Geochemical methods : ☐ Assessment assay methods
NEUTRON ACTIVATION

for the elements circled and/or as indicated in the listing. Report to: 1 ☐ Head office, 2 ☐ Field office, 3 ☐ Other (please specify) ____

PROJECT# STARR

P.O.# ____

Invoice to (1), 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost ____ days, ☐ discard after 90 days.

SERVICE AGREEMENT# ____

AUTHORIZED BY L. Dangelin DATE Jul 9 16/83

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo Au As Sb B U Th Sn W S F Ba Pt Pd | Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI) | 30 El

SAMPLE NUMBER	Au	As	SAMPLE NUMBER
BOX 1 - 513 samples			
SH-2511 — SH2561			
BOX 2 - 78 samples			
SH-2801 — SH2880			
BOX 3 - 474 samples			
SH-2562 — SH2600			
SH-2901 — SH2908			
BOX 4 - 1256 samples			
SH-2676 — SH-2800			
BOX 5			
SH 2881 - SH 2931	(52 samples)		
BOX 6 - 995 samples			
SH 3001 — SH 3098			
BOX 7			
SH 2932 - 2999	(68 samples)		
			512

LIMITED

1966 LESLIE STREET • DON MILLS ONTARIO M3B 2 4 • 416 445-6750

WEST, SUITE 2100

CAMERA INC
ATTN: DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO 559

INVOICE NO	INVOICE DATE	WORK ORDER NO	DATE SUBMITTED
18530	12-AUG-83	14103	13-JUL-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

	CLIENT PROJECT NO		TYPE OF SAMPLES SUBMITTED
	STARR		HUMUS

NO OF BOXES	SHIPPED VIA	WAY BILL NO	SHIPPED FROM
BOXES	NORDAIR / RUSH	333-1335-5554 / 222195	

	DESCRIPTION	PREP CODE	UNIT COST	AMOUNT
481	AU, AS, SB, HUMUS	13, 2, 20, 0, 0, 0	8.50	4088.50
481	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	336.70

PAID
CHEQUE NO.
DATE
EXPENSIONS BP
PAYMENT APPROVED BY

			SUB-TOTAL	$ 4425.20
SHIPPING CHARGES 53.50	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
			SURCHARGE FOR SERVICE	$ 53.50
			TOTAL	$ 4478.70

INVOICE

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

Hassell
Avenue South West, Suite 2100
y, Alberta T2P 3N4

ED TO

Customer# 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
M1053	Aug 12,83		

TERMS

net 30 days,1.5% per month interest on account over 30 days

CLIENT P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED

OF PKGS	SHIPPED VIA	WAY BILL NO	SHIPPED FROM

QUANTITY	DESCRIPTION	PAY CODE	UNIT COST	AMOUNT

Re:Report & Invoice# 18274 July 20,83

delivery charge paid on your behalf (R&M 004490) $ 8.43

PAID
CHEQUE NO.
DATE
APPROVED

	CUSTOMER PURCHASE ORDER		

			$ 8.43

ASAMERA INC. 002015

NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

ME[illegible]FORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
		[illegible]			

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

FOUR THOUSAND FOUR [illegible] EIGHTY SEVEN DOLLARS AND 12/100 *****

DATE	CHECK NO.
09/15/03	[illegible]

TO THE ORDER OF

[illegible]

PAY EXACTLY

$ ****4,487.12

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page 1 of 1

for office use only
FILE
REPT
Date
Carrier
☐ ppd. ☐ col.
WB#

Submitted by ASAMERA INC, BOX1003, UNITY, SASK. S0K 4L0
ASAMERA INC, 2100-144, 4th AVE S.W. CALGARY ALTA.

The samples of HUMUS listed below are to be analyzed by: ☐ Geochemical methods NEUTRON ACTIVATION : ☐ Assessment assay methods

for the elements circled and/or as indicated in the listing. Report to: 1 ☐ Head office, 2 ☐ Field office, 3 ☐ Other (please specify)

Invoice to (1), 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost ____ days, ☒ discard after 90 days.

AUTHORIZED BY L. Dauphin DATE July 9/83

PROJECT# STARA

P.O.#

SERVICE AGREEMENT#

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo Au As Sb B U Th Sn W S F Ba Pt Pd | Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI) | 30 El

SAMPLE NUMBER	Au	As	Sb	SAMPLE NUMBER
BOX 1 - 70 Samples				
SH2380 - SH2450				
SH-2601 - SH2649				
BOX 2 - 144 Samples				
SH-2251 - SH2379				
BOX 3				
2650 - 2670 2471 - 2510 66 SAMPLES				
BOX 4 2471	94 Samples			
SH(2182-2200) - SH(2470)	19			
BOX 5				
SH 2069 → 2180	111 SAMPLES			
481 Samples				

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

RECEIVED [illegible] 1983

HASSELL
AVENUE SOUTH WEST, SUITE 2100
[illegible]Y, ALBERTA
3N4

ED TO.
ASAMERA INC
ATTN: DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO. 559

VALUATION NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
18389	29-JUL-83	14015	7-JUL-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	STARR	HUMUS

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
4 BOXES	NORDAIR / R & M	333-1535 7595/R004073	

QUANTITY	DESCRIPTION OF SERVICE	GRAL CODE	UNIT COST	AMOUNT
1. 257	AU, AS, SB, HUMUS	13, 2, 20, 0, 0, 0	8.50	2184.50
2. 257	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	179.90

OK for payment
STARR
E 160

PAID
CHEQUE NO.
DATE
[illegible]83

SUB-TOTAL $ 2364.40

SHIPPING CHARGES	TELEX	MINIMUM CHARGES	
28.00			$ 28.00

OTHER

TOTAL $ 2392.40

ORIGINAL INVOICE

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • [illegible]

[illegible] HASSELL
[illegible] AVENUE SOUTH WEST, SUITE 2100
[illegible], ALBERTA
3N4

D TO
ASAMERA INC
ATTN: DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO. 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	SAMPLE DATE SUBMITTED
18274	20-JUL-83	13895	28-JUN-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

PROJECT NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	STARR	HUMUS

NO. PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
10 BOXES	NORDAIR / R & M	333-1335-7352 / 0004490	

1.	804	AU, AS, SB, HUMUS	13, 2, 20, 0, 0, 0	8.50	6834.00
2.	804	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	562.80

[illegible] DATE
[illegible]
D[illegible]
EX[illegible]
C[illegible]
PA[illegible]
APPR[illegible]
BB
DH.

SUB-TOTAL $ 7396.80

FREIGHT CHARGES	CUSTOM BROKERAGE	TELEX	MIN. MUM CHARGES	
77.19				$ 77.19

SUB-TOTAL - HIGH SERVICE

[illegible] FUNDS $ 7473.99

'CE

ASAMERA INC. 001774

NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
08/22/83	001774

PAY

[illegible] HUNDRED SIXTY SIX DOLLARS AND [illegible]

PAY EXACTLY
$ [illegible]

TO THE
ORDER OF

[illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page____of____

for office use only
FILE
REPT
Date
Carrier
☐ ppd. ☐ col.
WB#

Submitted by ASAMERA INC. BOX 1003 IRVING CUTTING
ASAMERA Inc. 2100 - 144 4th Ave S.W. Calgary T2P 3N4

The samples of HUMUS listed below are to be analyzed by: ☒ Geochemical methods
NEUTRON ACTIVATION: ☐ Assessment assay methods
for the elements circled and/or as indicated in the listing. Report to: 1 ☐ Head office, 2 ☐ Field office,
3 ☐ Other (please specify)_____

PROJECT# STARR

Invoice to (1) 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost_____days, ☒ discard after 90 days.

P.O.#

AUTHORIZED BY M. CARDINAL DATE JUNE 30 1983

SERVICE AGREEMENT#

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo	Au	As	Sb	B	U	Th	Sn	W	S	F	Ba	Pt	Pd	Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI)	30 El

SAMPLE NUMBER		SAMPLE NUMBER	
BOX 1 SH-1001 → SH 2000			
SH-2201 → SH 2235	1 2 FF Samples		
BOX			
SH-2001 → SH 2008	2 8 Samples		
BOX 3			
SH-2001 → SH 2040	4 0 Samples		
BOX 4			
H 1737 → SH 1800	6 4 Samples		
TOTAL 257 Samples			

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page 1 of 1

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REPT
Date
Carrier
☐ ppd. ☐ col.
WB#

Submitted by STARFIELD INC, BOX 1003, DRYDEN, ONT (FIELD OFFICE)
STARFIELD INC, 2100-144, 4th AVE S.W., CALGARY, ALTA T2P 3N4

The samples of HUMUS listed below are to be analyzed by: ☐ Geochemical methods
NEUTRON ACTIVATION : ☐ Assessment assay methods
for the elements circled and/or as indicated in the listing. Report to: 1 ☒ Head office, 2 ☐ Field office,
3 ☐ Other (please specify) _____
Invoice to (1), 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost _____ days, ☒ discard after 90 days.

PROJECT# STARR
P.O.#
SERVICE AGREEMENT#

AUTHORIZED BY L. DAUPHIN DATE June 23, 1983

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo Au As Sb B U Th Sn W S F Ba Pt Pd | Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI) | 30 El

SAMPLE NUMBER	Au	As	Sb	SAMPLE NUMBER
BOX 1 - H-95 Samples				TOTAL
SH-1961 — SH-1909				773
				Samples
BOX 2 - 130 Samples				
SH1102 — SH 1200				
H1401 — SH 1431				
BOX 3 — 58 Samples				
SH-1432 — SH-1489				
BOX 4 — 111 Samples				
SH-1490 — SH-1600				
BOX 5 - 60 Samples				
SH-1601 — SH-1660				
BOX 6 - 65 Samples				
SH 0401 — SH 0465				
BOX 7				
SH 0466 — 10[illegible]				
H-201 — [illegible]				
BOX 8				
[illegible]				
BOX 9				
[illegible]				
[illegible]				
BOX 10 - 106 Samples				

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO

Asamera Inc
144 4th Avenue South West, Suite2100
Calgary, Ablerta
T2p 3N4

Attn:Dave Hassell

SUBMITTED TO

Customer # 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
M1028	July 26.83		

TERMS

Net 30 days

CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED

NO. PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM

For supplies shipped to you July 14,83

QTY			
500	Cloth bags	@$ 0.15	$ 75.00
	Delivery charge		$ 4.75

Code to STARR PROJECT

E 155

	QUALITY BROKERAGE	TELEX	

$ 79.75

ORIGINAL INVOICE

ASAMERA INC. 001831

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
			/ /	

INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
		7/26/83	79.73		

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

DATE	CHECK NO
83/08/01	

PAY EXACTLY

$ ****79.73

TO THE
ORDER OF

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

INVOICE

X-RAY ASSAY LABORATORIES

LIMITED

1885 LESLIE STREET DON MILLS, ONTARIO M3B 3J4 445-5755

Asamera Inc
144 4th Avenue S.W.
Suite 2100
Calgary,Alberta T2P 3N4

DATE May 24, 1983

INVOICE **M** 000967

Customer #559

ASSAY REPORT NO.

ITEM		PRICE	AMOUNT
	For supplies sent to you May 17, 1983		
3500	Humus Bags	@$ 0.15	$ 525.
24	Request forms - no charge		
36	shipping labels - no charge		

TERMS. NET 30 DAYS

USE LOWER PORTION FOR REPLY

REPLY FROM

DATE

ASAMERA INC. 001323

VENDOR NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

DATE	CHECK NO.
06/27/83	001323

PAY EXACTLY
$*****525.00

TO THE ORDER OF

AUTHORIZED SIGNATURE
NON NEGOTIABLE
AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 2M4 • (416) 445-5755

SOLD TO

DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

SUBMITTED TO

AGAMERA INC
ATTN: DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO. FER

INVOICE NO.	INVOICE DATE	OUR ORDER NO.	ANALYSIS DATE SUBMITTED
18116	06-JUL-83	13774	17-JUN-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	STARR		HUMUS

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
BOXES	NORDAIR / R & M	333-1335-7315 / 0002526	DRYDEN

	DESCRIPTION	PREP CODE	UNIT COST	AMOUNT
464	AU-AR-GB NA	2,20, 0, 0, 0	8.50	3944.00
464	PREPARATION HUMUS OR LEAVES	2, 0, 0, 0, 0	0.70	324.80

STARR

PAID
CHEQUE NO.
DATE
EXTENSIONS CHECKED
PAYMENT APPROVED BY

SUB-TOTAL $ 4268.80

CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
			$ 35.75

$ 4304.55

FINAL INVOICE

ASAMERA INC. 001627

NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

ME[illegible]NFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY [illegible] AND 05/100

DATE	CHECK NO
08/ 02/ 85	[illegible]

TO THE ORDER OF [illegible]

PAY EXACTLY
$ [illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page 1 of 2

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☐ ppd. ☐ col.
WB#

Submitted by ASAMERA INC. BOX 1003 DRYDEN, ONT (FIELD SERVICE)
ASAMERA INC. 2100-144, 4TH AVE S.W. CALGARY, ALTA, T2P 3N4

The samples of HUMUS listed below are to be analyzed by: ☐ Geochemical methods
NEUTRON ACTIVATION : ☐ Assessment assay methods

for the elements circled and/or as indicated in the listing. Report to: 1 ☐ Head office, 2 ☐ Field office,
3 ☐ Other (please specify)

Invoice to (1) 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost ____ days, ☐ discard after 90 days.

AUTHORIZED BY L. DAUPHIN DATE June 14, 1983.

PROJECT# STARA

P.O.#

SERVICE AGREEMENT#

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo Au As Sb B U Th Sn W S F Ba Pt Pd | Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI) | 30 El

SAMPLE NUMBER	Au	As	Sb	SAMPLE NUMBER
BOX 1 - 79 Samples				
SH-912 to SH-940				
SH-1050 to SH-1101				
BOX 2 - 60 Samples				
SH-488 - SH-547				
BOX 3 - 93 Samples				
SH-548 to SH-600				
SH-801 to SH-840				
BOX 4 - 75 Samples				
SH-774 to SH-799				
SH-1001 to SH-1049				
BOX 5 - 84 Samples				
SH-696 - SH-775				
BOX 6 - 71 Samples				
SH-841 - SH-911				
TOTAL 442 Samples				

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

E HASSELL
4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

SUBMITTED TO

ASAMERA INC
ATTN: DAVE HASSELL
144 4TH AVENUE SOUTH WEST, SUITE 2100
CALGARY, ALBERTA
T2P 3N4

CUSTOMER NO. 559

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
18054	28-JUN-83	13711	13-JUN-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

ITS P.O. NO	CLIENT PROJECT NO		TYPE OF SAMPLES SUBMITTED
	STARR		HUMUS

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
3 BOXES	NORDAIR / R & M	333-1335-7024 / 0002870	DRYDEN

1.	572	AU, AS, SB N4	2, 20, 0, 0, 0	8.50	4862.00
2.	572	PREPARATION HUMUS OR LEAVES	2, 0, 0, 0, 0	0.70	400.40

PAID
CHEQUE NO.
DATE

SUB-TOTAL $ 5262.40

SHIPPING CHARGES	CUSTOM BROKERAGE	TAXES	MINIMUM CHARGES
43.00			

$ 43.00

$ 5305.40

ORIGINAL INVOICE

ASAMERA INC. 001515

NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

DATE	CHECK NO.
07/26/83	

TO THE ORDER OF

PAY EXACTLY
$*****5,305.40

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street, Don Mills Ontario, Can.

Request for analyses
Page 1 of 1

for office use only
FILE
REPT
Date
Carrier
☐ ppd. ☐ col.
WB#

Submitted by A SANDERA INC. BOX 1003 DRYDEN ONT. (FIELD OFFICE)
(HEAD OFFICE : ASANDERA INC 2100-144 4th AVE S.W. CALGARY T2P 3N4)

The samples of HUMUS listed below are to be analyzed by: ☐ Geochemical methods
NEUTRON ACTIVATION : ☐ Assessment assay methods
for the elements circled and/or as indicated in the listing. Report to: 1 ☒ Head office, 2 ☒ Field office,
3 ☐ Other (please specify) _____
Invoice to (1) 2 or 3. Unused materials: ☐ return to 1, 2 or 3, ☐ store at cost _____ days, ☒ discard after 90 days.

PROJECT# STARR
P.O.#
SERVICE AGREEMENT#

AUTHORIZED BY L. DAUPHIN DATE JUNE 9/83

Cu Pb Zn Ag Cd Ni Co Fe Mn Mo (Au) As (Sb) B U Th Sn W S F Ba Pt Pd | Whole Rock Analysis-(Si Al Ca Mg Na K Fe Mn Cr Ti P Sr Rb Zr LOI) | 30 El

SAMPLE NUMBER	Au	As	Sb
BOX 1 - 78 SAMPLES			
(SH-1 — SH-50)			
(SH-52 — SH-78)			
BOX 2 - 69 SAMPLES			
(SH-80 — SH-82)			
(SH-84 — SH-99)			
(SH-101 — SH-150)			
BOX 3 - 60 SAMPLES			
(SH-151 — SH-210)			
BOX 4 - 77 SAMPLES			
(SH-211 — SH-289)			
BOX 5 - 80 Samples			
SH-290 — SH-369)			
BOX 6 - 73 Samples			
SH-370 + SH-440			
BOX 7 - 55 Samples			
SH-601 — SH-655			

SAMPLE NUMBER
BOX 8 - 79 Samples
(SH-443 — SH-487)
(SH-656 — SH-689)
TOTAL
577 SAMPLES
577
* PLEASE SEND MORE
ADDRESS LABELS TO
FIELD ADDRESS.
THANK YOU

STATEMENT / ÉTAT DE COMPTE Sept.17-1983

M Asamera Inc.

Suite 2100-144 4th Ave. S.W.

Calgary Alta. T2P-3N4

In Account With / Doit À Custom Fire Assaying,

Box 253

Cochenour, Ont. P0V-1L0

DATE	DESCRIPTION — INVOICE #, PARTICULARS ETC. / NUMERO DE FACTURE, PARTICULARITÉS ETC.	DEBIT / DÉBIT	CREDIT / CRÉDIT
	53 Samples for Au.Ag. @$11.00	583 00	
	#2603 to 2655		
	RECEIVED SEP 27 1983		

TERMS / CONDITIONS

BALANCE 583 00

BALANCE PAST DUE / BALANCE PASSÉ DÛE

ASAMERA INC. 002188

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
[illegible]	[illegible]		[illegible]	[illegible]

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	09/17/83	[illegible]		[illegible]

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
10/11/83	002188

PAY [illegible]

PAY EXACTLY
$ *****583.00

TO THE ORDER OF [illegible]

AUTHORIZED SIGNATURE
NON NEGOTIABLE
AUTHORIZED SIGNATURE

CUSTOM FIRE ASSAYERS

RECEIVED	
REPORTED	

CHEMEX

2021 41 AVENUE N.E. CALGARY, CANADA T2E 6P2
TEL: (403) 276-9627 TELEX: 038-25541

FILE	
RPT	

Please analyze by special ☐ normal ☒ assay ☒ geochemical ☐ methods, the enclosed prepared ☐ unprepared ☒ samples

If special, please provide special instructions and/or additional remarks

Please note that an additional to Gold and Silver FA there are 5 samples (listed below) which are to be analyzed for Arsenic

Total No. Samples 22 No. of Parcels in Shipment 1 box

SAMPLE NUMBERS			GEOCHEMICAL								FA	FA-AA	ASSAYS					
	NO	TYPE																
2603 to 2624	22	DRILL CORE									V		Au	Ag				
2605 to													As					
2615 to													As					
2619 to													As					
2622 to													As					
2624 to													As					
TOTAL																		

Size Fraction to be analyzed (geochem. Only)

IN JUNE ☐, DECEMBER ☐ RETURN REJECTS and PULPS TO:

Date Shipped September 7, 1983 Via Bus Prepaid ☐ Collect ☐

Results and Invoices To Be Sent To

☒ Results ☐
☐ Invoice ☐

Vic Tanaka
Asamera Inc.
Suite 2100 - 144 4th Ave SW
Calgary, Alta T2P 3N4

☒ Results ☒
☒ Invoice ☐

Samples Submitted By
David Hassell, Rob Shives

Rob Shives - Ex Room 15
c/o Town and Country Motel
500 Government Rd
Dryden, Ontario
P8N 2P7

Project Number STARR PROJECT

RECEIVED	
REPORTED	

FILE	
RPT	

CHEMEX

2021 41 AVENUE N.E., CALGARY, CANADA T2E 6P2
TEL: (403) 276-9627 TELEX: 038-25541

1-807-662-8171

CUSTOM FIRE ASSAYERS Cochenour Ontario

Please analyze by special ☐ normal ☐ assay ☒ geochemical ☐ methods, the enclosed prepared ☐ unprepared ☒ SPLIT CORE samples

If special, please provide special instructions and/or additional remarks

Total No. Samples THIRTEEN No. of Parcels in Shipment ONE BOX

SAMPLE NUMBERS	NO	TYPE	GEOCHEMICAL	FA	FA-AA	ASSAYS
				1		Au Ag
2625 to 2637	13	SPLIT CORE		✓		
____ to ____						
____ to ____						
____ to ____						
____ to ____						
____ to ____						
TOTAL	13					

Size Fraction to be analyzed (geochem. Only) ____

IN JUNE ☐, DECEMBER ☒ ~~RETURN REJECTS and PULPS TO~~: NOTIFY D. MASSEL IN CALGARY OFFICE 1-403-269-5521

Date Shipped SEPT 11/83 Via GREYHOUND BUS Prepaid ☑ Collect ☐

Results and Invoices To Be Sent To

	Results		Invoice
☒		☐	
☐		☐	

CALGARY OFFICE
SUITE 2100
144 4th AVE S.W.
CALGARY ALBERTA
T2P 3N4

	Results		Invoice
☒		☒	
☒		☐	

FIELD ADDRESS
Rob Shives Room 15
Town & Country Motel
500 Government Road
Dryden Ontario P8N 2P7

Samples Submitted By
R. SHIVES

Project Number STAR PROJECT

Custom Fire Assaying

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STARR PROJECT
DATE SHIPPED SEPT. 15/83
No. OF CARTONS ONE PAIL
No. OF SAMPLES 18
SHIPPED BY R. SHIVES
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

ASAMERA INC.
2100 - 144 4TH AVE. S.W.
CALGARY ALTA T2P 3N4
attn DAVE HASSELL

INVOICES TO BE SENT TO

(SAME)

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)
SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
		(CHEMEX TAGS)		
18	SPLIT CORE	2638 - 2655	Au, Ag	(FIRE ASSAY)

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE

SPECIAL INSTRUCTIONS

* PLEASE CALL DAVE HASSELL IN CALGARY (403-269-5521) WHEN RESULTS READY

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

RECEIVED SEP 20 1983

LORING LABORATORIES LTD.

629 BEAVERDAM RD. N.E. CALGARY, ALTA. T2K 4W2

TO ASAMERA OIL CORPORATION
2100, 144 - 4th Ave S.W.,
Calgary, Alberta T2P 3N4
Attn: Dave Hassell

INVOICE № 25284

DATE September 16, 1983
STARR PROJECT

52 CORE SAMPLES

52	Au, Ag Assays	@12.00	624.00
5	Arsenic Assays	@12.50	62.50
2	Spectrographic Analysis	@35.00	70.00
1	Collect Deliver Charge # 307301	@	8.75
		@	
		@	
		TOTAL	$ 765.25

Dave Hassell

THIS IS YOUR INVOICE

PLEASE PAY THE AMOUNT SHOWN

TERMS — 30 DAYS

ASAMERA INC.

VENDOR NO.	VENDOR NAME	CHECK DATE	CHECK NO
[illegible]	[illegible]	[illegible]	[illegible]

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	25284	[illegible]	[illegible]		765.25

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

DATE	CHECK NO.
10/20/83	[illegible]

PAY [illegible]

PAY EXACTLY
$ [illegible]

TO THE ORDER OF [illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

RECEIVED	
REPORT	

sent to LORING LABS

CHEMEX

2021 41 AVENUE N.E., CALGARY, CANADA T2E 6P2
TEL: (403) 276-9627 TELEX: 038-25541

FILE	
RPT	

Please analyze by special ☐ normal ☐ assay ☑ geochemical ☐ methods, the enclosed

prepared ☐ unprepared ☒ SPLIT CORE samples

If special, please provide special instructions and/or additional remarks

NOTE ADDITIONAL 30-ELEMENT ANALYSIS ON TWO SAMPLES (#2568, #2581)

Total No. Samples FIFTY-TWO No. of Parcels in Shipment 2 PAILS*

SAMPLE NUMBERS	NO	TYPE	GEOCHEMICAL	FA	FA-AA	ASSAYS
				✓		Au Ag
2551 to 2567	17	SPLIT CORE		✓		✓ ✓
to 2568	1	"	30 ELEMENT SPEC. ANALYSIS	✓		✓ ✓
2569 to 2580	12	"		✓		✓ ✓
to 2581	1	"	30 ELEMENT SPEC ANALYSIS	✓		✓ ✓
2582 to 2602	21	"		✓		✓ ✓
to						
TOTAL	52					

* PAIL #1 2551 - ~~255~~ 2577 (27 SAMPLES)
PAIL #2 2578 - 2602 (25 SAMPLES)

Size Fraction to be analyzed (geochem. Only)

IN JUNE ☐, DECEMBER ☒ ~~REPORT REJECTS SHARK~~: NOTIFY DAVE HASSELL IN CALGARY OFFICE

Date Shipped TUES AUG 30/83 Via NORDAIR Prepaid ☐ Collect ☒

Results and Invoices To Be Sent To

☒ Results ☐
☐ Invoice ☐

FIELD ADDRESS

R. SHIVES
ASAMERA INC
BOX 1003
DRYDEN ONT P8N 3E3

☒ Results ☒
☐ Invoice ☒

HEAD OFFICE

ASAMERA INC.
2100 - 144 4th AVE S.W.
CALGARY ALTA T2P 3N4
403-269-5521

Samples Submitted By
R. SHIVES

Project Number STARR PROJECT

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: September 30, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5429()574)
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

Asamera Inc.
2100, 144-4 Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: D. Hassell

TO:

9	Au,Ag,As,Hg,Sb analyses	@ $ 15.50	$ 139.50	
9	Rock sample preparation	3.20	28.80	
2	Multi element ICP analyses	28.00	56.00	
	Transportation charges #333-13372192		42.18	
	Total invoice			$ 266.48

Code to STARK
E160
DH

INVOICE Nº 9456

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex: 06-989-183
Telephone: (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex: 03-827-584
Telephone: (403) 276-9701

PURCHASE ORDER No. —
PROJECT STARR
DATE SHIPPED Sept 5, 1983
No. OF CARTONS 1
No. OF SAMPLES 9
SHIPPED BY Nordair → AC
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

Rob Shives
206 Wrigley Crescent
Saskatoon, Sask.
S7M 4Y4

INVOICES TO BE SENT TO

D. Hassell / V. Tanaka
Suite 2100 - 144 4th Ave SW
Calgary, Alta.
T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
1	Rock	1326	Goldprint +	24 elem. ICP
1	"	1327	Goldprint	
1	"	1328	Goldprint +	24 elem. ICP
6	"	1329 - 1334	Goldprint	

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD	X	X	
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE [signature]

SPECIAL INSTRUCTIONS

Please Rush
1 Please retain 2 samples almost to be mineralized with Au + elem. including Hg (Goldprint)

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

RECEIVED OCT - 4 1983

BARRINGER MAGENTA LIMITED

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

DATE: September 30, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:

PROGRESS BILLING:

SHIPPING REPORT:

WORK REPORT: 83-5437(0600)

FED. SALES TAX: exempt

ONT. SALES TAX: exempt

Asamera Inc.
2100, 144-4 Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: D. Hassell

TO:

7	Au,Ag,As,Hg,Sb analyses	@ $ 15.50	$ 108.50	
7	Rock sample preparation	3.20	22.40	
	Transportation charges#333-13372354		41.68	
	Total invoice			$ 172.58

Code to STARR
E160
DH

INVOICE No 9455

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No. _____
PROJECT STARR
DATE SHIPPED Sept. 11/83
No. OF CARTONS 1
No. OF SAMPLES 7
SHIPPED BY D. Hassell - Access Inc. via Nordair
WORK ORDER No. _____
DATE RECEIVED _____

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO and invoice

Access Inc.
Suite 210 - 1144 4th Ave SW
Calgary, Alta
T2P 3W4

Attention: V. Tanaka.

INVOICES TO BE SENT TO

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
7	Rock	1335 - 1341	Au, Ag, As, Hg, Sb	"Goldprint"

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD	X	X	
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE D. Hassell

SPECIAL INSTRUCTIONS

Please advise D. Hassell or R. Shives by phone when results are ready.
Phone # (807) 223-3577

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

RECEIVED OCT - 4 1983

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

...ES ... THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: September 30, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5449
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

ASAMERA INC.
2100-144-4 Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: R. Shives

Project: Starr

TO:

For two standard statistical packages	$ 250.00

Code to STARR
E160

INVOICE № 9465

ASAMERA INC.

002344

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
A0016	BARRINGER MAGENTA LIMITED		10/31/83	002344

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
A3090403	9456	09/30/83	266.48		266.48
A3090404	9455	09/30/83	172.58		172.58
A3090413	9465	09/30/83	250.00		250.00

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

SIX HUNDRED EIGHTY NINE DOLLARS AND 06/100**********

DATE	CHECK NO.
10/31/83	002344

PAY EXACTLY
$******689.06

TO THE ORDER OF

BARRINGER MAGENTA LIMITED
304 CARLINGVIEW DR.
METROPOLITAN TORONTO
REXDALE, ONTARIO, M9W 5G2

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: July 18, 1983
PROJECT: 104.51
PERIOD COVERED:

Asamera Inc.
2100-144-4th Ave.S.WW
CALGARY, Alberta
T2P 3N4

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5351
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

TERMS: NET 30 days

AUTHORITY: D. Hassell

Project: Starr

TO:

22	AU,AG,AS,HG,SB analyses	@ $ 15.50	$ 341.00	
22	Rock Sample preparation	3.20	70.40	
			411.40	
	Transportation # 333-13357606		61.15	
	Total invoice			$ 472.55

Code to STARR
E 160

DH.

INVOICE № 9385

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: July 15, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5329
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

Asamera Inc.
2100-144-4th Ave.S.W.
CALGARY, Alberta
T2P 3N9

TERMS: NET 30 days

AUTHORITY: D. Hassell

Project: Starr

TO:

166	AU, AG,HG,AS,SB Analyses	@ $ 15.50	$2,573.00	
166	Rock sample preparation	3.20	531.20	
			3,104.20	
	Transportation #333-13357330		277.16	
	Total invoice			$3,381.36

Code to STARR
E 160

DH

INVOICE № 9383

ASAMERA INC.

002344

VENDOR NO.	VENDOR NAME		CHECK DATE	CHECK NO.
A0016	BARRINGER MAGENTA LIMITED		10/31/83	002344

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
A3090403	9456	09/30/83	266.48		266.48
A3090404	9455	09/30/83	172.58		172.58
A3090413	9465	09/30/83	250.00		250.00

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
10/31/83	002344

PAY
SIX HUNDRED EIGHTY NINE DOLLARS AND 06/100**********

PAY EXACTLY
$******689.06

TO THE ORDER OF
BARRINGER MAGENTA LIMITED
304 CARLINGVIEW DR.
METROPOLITAN TORONTO
REXDALE, ONTARIO, M9W 5G2

AUTHORIZED SIGNATURE

NON-NEGOTIABLE

AUTHORIZED SIGNATURE

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: July 15, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5341
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

Asamera Inc.
2100-144-4th Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: D. Hassell

Project: Starr

TO:

123	AU,AG,AS,HG,SB analyses	@ $ 15.50	$1,906.50
123	Rock sample preparation	3.20	393.60
			2,300.10
	Transportation #333-13357271		227.50
	Total invoice		$2,527.60

Code to STARR
E 160

INVOICE № 9384

ASAMERA INC. 001741

R NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

ME[redacted]FORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	03/15/83	3,5[illegible]		

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

[illegible] THOUSAND FIVE HUNDRED FIFTY SIX DOLLARS AND 51/100**********

DATE	CHECK NO.
03/22/83	001[illegible]

PAY EXACTLY
$ ***6,456.51

TO THE
ORDER OF

[illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

$ 6,456.51

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STARK
DATE SHIPPED JUNE 14/83
No. OF CARTONS
No. OF SAMPLES
SHIPPED BY L. DAUPHIN
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

ASAMERA INC, BOX 1003
DRUMHELLER, ALTA, T0J 0Y0
ASAMERA INC, 2100-144, 4th AVE. S.W.
CALGARY, ALTA, T2P 3N4

RESULTS AND INVOICES TO BE SENT TO

ASAMERA INC.
2100-144, 4th AVE. S.W.
CALGARY ALTA,
T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
31	ROCK	D-1037 -- D-1067	Goldpriot	Please Ignore Sample Bag Numbers
30	ROCK	D-1026 - D-1036	"	
		D-1068 - D-1075	"	
		D-1101 - D-1111	"	
26	ROCK	D-1000 - D-1025	"	
26	ROCK	D-1076 - D-1100	"	
		D-1126	"	
16	ROCK	D-1438 D-1453	"	
16	Rock	33 CHEMEX TAGS # 4000 - 4035	"	
21	Rock	# 4916 -- 4936	"	
		D-1426 -- D 1437	"	
166				

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE Lyl Dauphin

SPECIAL INSTRUCTIONS

ADVICE D HASSELL (CALGARY)
please send more shipping labels
to Rexdale address

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STAKER
DATE SHIPPED July 1, 1983
No. OF CARTONS ONE
No. OF SAMPLES 22
SHIPPED BY NORDAIR
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

ASAMERA INC
BOX 100 3
DAVOS, ONT
P0A 1Z0

INVOICES TO BE SENT TO RESULTS AND

ASAMERA INC
2100 - 144 4th AVE. S.W.
CALGARY, ALTA.
T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)
SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
6	ROCK	D-1195 - D-1200	Feldprint	PLEASE IGNORE
7	ROCK	D-1251 -- D-1257	"	SAMPLE ONE NUMBERS.
4	ROCK	D-1356 -- D-1359	"	
5	ROCK	D-1360 - D-1364	" *	<-- PLEASE RUSH ASAP!
		* NOTE: IF SAMPLES D1360 -- D1364 show		
		100+ ppb Au or		Ag (or more)
		please fire assay		with an A.A. finish.
22				

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE

SPECIAL INSTRUCTIONS

ALWAYS DO MARCELLA (CALGARY)

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STARK
DATE SHIPPED June 24/83
No. OF CARTONS 5
No. OF SAMPLES 123
SHIPPED BY L. DAUPHIN
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

ASAMERA INC
BOX 1103
DRYDEN, ONT
P8N 2E3

RESULTS AND INVOICES TO BE SENT TO

ASAMERA INC
2100 - 144 4th AVE, S.W.
CALGARY, ALTA.
T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

	No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
BOX 1	29	ROCK	D-1351 - D-1355	Soil Pt	Please Ignore Sample Bag Numbers -
			D-1127 - D-1150	"	
BOX 2	33	ROCK	D-1112 - D-1125	"	
			D-1176 - D-1194	"	
				"	
BOX 3	26	ROCK	D-1454 - D-1479	"	
				"	
BOX 4	21	ROCK	D-1450 - D-1500	"	
				"	
BOX 5	14	ROCK	D-1151 - 1164	"	
Total:	123				

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☐

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE [signature]

SPECIAL INSTRUCTIONS

[illegible] D. HASSELL [illegible]

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

BARRINGER MAGENTA LIMITED

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

DATE: August 15, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5357
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

Asamera Inc.
2100-144-4th Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: D. Hassell

TO:

Project: Starr

OK for payment
code to STARR
E 160

42	Au,Ag,As,Hg,Sb analyses	@ $ 15.50	$ 651.00
42	Rpck sample preparation	3.20	134/40
			785.40
	Transportation #333-13355543		103.63
	Total invoice		$ 889.03

INVOICE № 9405

RECEIVED [illegible]

BARRINGER MAGENTA LIMITED

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

DATE: August 15, 1983
PROJECT: 104.51
PERIOD COVERED:
SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5362
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

Asamera Inc.
2100-144-4th Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: D. Hassell Project: Starr

TO:

51	Au,Ag,As,Hg,Sb analyses	@ $ 15.50	$ 790.50
51	Rock sample preparation	3.20	163.20
			953.70
	Transportation #333-13355661		78.30
	Total invoice		$1,032.00

PAID
[illegible] NO.

OK for payment
code to STARR
E 160
Dave Mould

INVOICE Nº 9404

ASAMERA INC.

NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

MEMO INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

DATE	CHECK NO
09/15/93	

PAY

[illegible] AND 03/100**********

PAY EXACTLY
$ ****1,501.03

TO THE
ORDER OF

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No. _____
PROJECT STARR
DATE SHIPPED July 19 1983
No. OF CARTONS 1 - 110
No. OF SAMPLES _____
SHIPPED BY NORDAIR
WORK ORDER No. _____
DATE RECEIVED _____

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

ASAMERA INC
BOX 1003
DRUMHELLER ALBERTA
TOJ 3BO

RESULTS + INVOICES TO BE SENT TO

ASAMERA INC
2100 - 144, 4th AVE. S.W.
Calgary, ALTA.
T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
Rail 1 23	ROCK	D-1258 - D-1280	Gold point	PLEASE IGNORE SAMPLE BAGS. NUMBERS
Rail 2 9	ROCK	D-1281 - D-1289	"	
4	ROCK	D-1365 - D-1368	" *	* - Please RUSH ASAP!
4. ~~X~~	ROCK	D-1369 - D-1372	"	
2	ROCK	D-1300 - D-1301	"	
			* NOTE: IF Samples D-1365 - D-1368 show 1000 ppb Au or Ag (or more) please FIRE ASSAY with an AA. Finish.

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SPECIAL INSTRUCTIONS

Deliver to Acme Labs Calgary

SIGNATURE _____

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STARR
DATE SHIPPED Aug 16/93
No. OF CARTONS 2
No. OF SAMPLES 51
SHIPPED BY AIRDAIR
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

ASAMERA INC
BOX 1002
DRUMHELLER
TOJ 0Y0

INVOICES TO BE SENT TO RESULTS &

ASAMERA INC.
P100 - 144, 4TH. AVE S.W.
CALGARY, ALTA.
T2P 3N4

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

	No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
Bill #1	10	ROCK	D-1290 - D-1299	Gold, Arsenic	PLEASE IGNORE
	4	ROCK	D-1302 - D-1305	"	SAMPLE BAG NUMBERS
	5	ROCK	D-1373 - D-1377	"	
Bill #2	10	ROCK	D-1165 - D-1174	"	
	12	ROCK	D-1201 - D-1212	"	
	51				

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE

SPECIAL INSTRUCTIONS

HAULED BY D. HASSELL (CALGARY)

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: August 31, 1983

PROJECT: 104.51

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-0485 (5380)
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

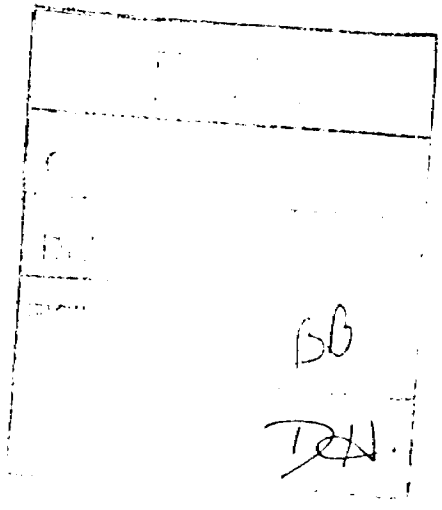
Asamera Inc.
2100- 144-4th Ave.S.W.
CALGARY, Alberta
T2P 3N4

TERMS: NET 30 days

AUTHORITY: D. Hassell

TO:

44	Au,Ag,Hg,Sb,As analyses	@ $ 15.50	$ 682.00	
44	Rock sample preparation	3.20	140.80	
			822.80	
	Transportation #333-13355926		115.72	
	Total invoice			$ 938.52



INVOICE № 9420

ASAMERA INC. 002115

R NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

M INFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
#2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

PAY

DATE	CHECK NO.
10/05/83	002115

PAY EXACTLY
$*****938.52

TO THE ORDER OF

AUTHORIZED SIGNATURE
NON NEGOTIABLE
AUTHORIZED SIGNATURE

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.,
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No. _____
PROJECT 5 YAKR.
DATE SHIPPED July 31/85
No. OF CARTONS 3
No. OF SAMPLES 44
SHIPPED BY Acme Inc - via Rexdale
WORK ORDER No. _____
DATE RECEIVED _____

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

INVOICES TO BE SENT TO
Results +
Acme Inc
5450-2100 - 14th AVE S.W.
CALGARY ALTA

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)
SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
Rock 1. 14	ROCK	D-1306 - D1314	Geochem	
		D-1328 - D-1332	"	
No 2 11	ROCK	D-1315 - D-1325	"	
Paid 11	Rock	D-1326 - D1327	Geochem	
#3 8	Rock	D-1333 - D1340	"	

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☐

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SPECIAL INSTRUCTIONS

Samples to remain in Geochem

SIGNATURE _____

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

BARRINGER MAGENTA LIMITED

304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO
CANADA M9W 5G2
PHONE: 416-675-3870
TELEX: 06-989183

SERVICES FOR THE EARTH AND ENVIRONMENTAL SCIENCES

DATE: June 28, 1983

PROJECT: 104.41

PERIOD COVERED:

SALES ORDER:
PROGRESS BILLING:
SHIPPING REPORT:
WORK REPORT: 83-5322
FED. SALES TAX: exempt
ONT. SALES TAX: exempt

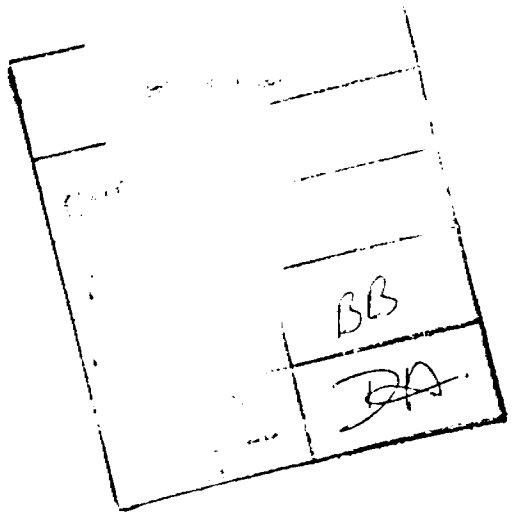
- Asamera Inc.
  2100-144-4th Ave.S.W.
- CALGARY, Alberta
  T2P 3N4
-

TERMS: NET 30 days

AUTHORITY: D. Hassell

TO:

24 Analyses for Au,Ag,Sb,Hg,As	@ $ 15.50	$ 372.00	
24 Rock sample preparation	3.20	76.80	
		448.80	
Nordair Waybill 333-13375644		70.80	
Total invoice			$519.60



INVOICE № 9368

ASAMERA INC. 001598

P NO	VENDOR NAME		CHECK DATE	CHECK NO
			/ /	

M[illegible]NFORMATION	INVOICE IDENTIFICATION	INVOICE DATE	INVOICE AMOUNT	TERMS DISCOUNT	AMOUNT PAID

ASAMERA INC.
2100, 144 – 4th AVENUE S.W.
CALGARY, ALBERTA
T2P 3N4

ROYAL BANK OF CANADA
MAIN BRANCH
CALGARY, ALBERTA
T2P 2N4

DATE	CHECK NO.
05/03/[illegible]	001598

PAY [illegible]

TO THE ORDER OF [illegible]

PAY EXACTLY

$ [illegible]

AUTHORIZED SIGNATURE

NON NEGOTIABLE

AUTHORIZED SIGNATURE

BARRINGER MAGENTA

304 Carlingview Drive,
Metropolitan Toronto,
Rexdale, Ontario,
Canada M9W 5G2
Telex 06-989-183
Telephone (416) 675-3870

3750 - 19th Street N.E.
Suite 105,
Calgary, Alberta,
Canada T2E 6V2
Telex 03-827-584
Telephone (403) 276-9701

PURCHASE ORDER No.
PROJECT STAAR
DATE SHIPPED June 3, 1983
No. OF CARTONS 1
No. OF SAMPLES 24
SHIPPED BY Asamera Inc. via Nadair
WORK ORDER No.
DATE RECEIVED

ANALYTICAL REQUEST NOTICE

RESULTS TO BE SENT TO

Asamera Inc
P.O. Box 1003
Dryden, Ontario
P8N 3E3 Attn: R. Shives

RESULTS + INVOICES TO BE SENT TO

Asamera Inc.
Suite 2100 - 1111 4th Ave SW
Calgary
Attn: H. TANAKA + D. HASSELL

INSTRUCTIONS

SAMPLE PREPARATION REQUIRED (e.g. DRYING)

SIZE FRACTION FOR ANALYSIS (GEOCHEM ONLY) -80-MESH OTHER

No.OF SAMPLES	SAMPLE TYPE	SAMPLES Nos. (series)	ELEMENTS TO BE ANALYSED	ADDITIONAL INSTRUCTIONS
24	Rock	4376 - 4399	"Goldprint"	

STATISTICAL PACKAGE REQUIRED YES ☐ NO ☒

SAMPLE DISPOSITION

	PULPS	REJECTS	WATERS
STORE 120 DAYS, RETURN			
STORE 120 DAYS, DISCARD			
RETURN AFTER ANALYSIS			
DISCARD AFTER ANALYSIS			

SIGNATURE

SPECIAL INSTRUCTIONS

Please forward rejects to Vancouver lab - Calgary for some elemental analyses.

WHITE: SHIPPING COPY YELLOW: LAB. COPY PINK: CLIENT COPY

900

1984 06 26

Your File: 135-83
Our File: 2.6023

Mrs. Mary Ellen Lemay
Mining Recorder (Acting)
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Madam:

RE: Notice of Intent dated May 31, 1984
Geophysical (Electromagnetic and Magnetometer)
Geological, Geochemical and Data for Assaying
Survey on Mining Claims K 535339 et al in the
Area of Turtlepond Lake

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

S. Hurst:mc

cc: Asamera Inc
Suite 2100
144 - 4th Ave S W
Calgary, Alberta
T2P 3N4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: Resident Geologist
Kenora, Ontario

Encl.

MINING LANDS: PLEASE COMPLETE THIS FORM & RETURN IT WITH REPORT TO THE GEOSCIENCE DATA CENTRE

DATE REMOVED: (from GDC) : ?

DATE RETURNED: (to GDC) : Jan 18, 1991

REPORT # : 2.6023 ~~RM3483~~

FICHE NO. : _____ (where applicable)

REASON FOR REQUESTING REPORT (complete #1-4 below):

1. INFORMATION ADDED TO EXISTING PAGES OF REPORT: ☐

IF YES, SPECIFY PAGES: _____

: _____

: _____

2. a) PAGES/MAPS ADDED TO THIS REPORT: ____ TOTAL PAGES ADDED

: ____ TOTAL MAPS ADDED

b) TYPE OF PGS ADDED: _____ CORRESPONDENCE

: _____ WORK REPORTS (AMENDED)

: _____ WORK RPTS (NEW)

: _____ MISSING PAGES OF TEXT

: _____ OTHER (PLEASE SPECIFY)

3. a) REMOVAL OF PGS FROM REPORT: _____ TOTAL PGS REMOVED

b) TYPE OF PAGES REMOVED : _____ CORRESPONDENCE

: _____ WORK REPORTS

: _____ PGS OF TEXT

: _____ OTHER (PLEASE SPECIFY)

4. REPORT NEEDED FOR REFERENCE ONLY: ☑

NO INFORMATION ALTERED : ☑

NO INFORMATION ADDED : ☑

NO INFORMATION DELETED : ☑

*NOTE: ENTER "X" IN APPLICABLE BOXES

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

109-83
FRED MATTHEWS
The Mining Act
2.6023

Nov. 27

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

LD. MGMT. BR.

Type of Survey(s): Not applicable

Township or Area: Turtlepond Lake Area.

Claim Holder(s): Asamera Inc.

Prospector's Licence No.: T-1025

Address: Suite 2100, 144 - 4th Ave SW, Calgary, Alberta T2P 3N4

Survey Company: Not applicable (Sampling performed by Asamera personnel.)

Date of Survey (from & to): Day | Mo. | Yr. | Day | Mo. | Yr.

Total Miles of line Cut

Name and Address of Author (of Geo-Technical report): David Hassell % Asamera Inc. - Suite 2100, 144 4th Ave SW, Calgary, Alta.

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.
K	657623	28
	657624	20
	657751	20

OK. pls sign

RECEIVED
OCT 3 5 1983
MINING LANDS

See statement of Intent Letter

RECEIVED
KENORA MINING DIV.
SEP 27 1983
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed: Rock Analyses

Performed on Claim(s): 651943 - 8 incl.
695884 - 6 incl.

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$ 1032.00	÷	15	=	68

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

657623

Total number of mining claims covered by this report of work: 3

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
68	SEPT. 27/83	
	Date Approved as Recorded: 84.5.30	

Date	Recorded Holder or Agent (Signature)
September 19, 1983	

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: Victor A. Tanaka % Asamera Inc. (Same address as above)

Date Certified	Certified by (Signature)
Sept. 19, 1983	

1362 (81/9)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.6023

Date 1984 06 06

Mining Recorder's Report of Work No. 135-83

Recorded Holder
ASAMERA INC

Township or Area
TURTLEPOND LAKE AND BOYER LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 535339 to 345 inclusive
Electromagnetic 33 days	589052
Magnetometer 17 days	603335 to 340 inclusive
Radiometric ____ days	604309 to 313 inclusive
Induced polarization ____ days	646201
Other ____ days	654671 to 677 inclusive
Section 77 (19) See "Mining Claims Assessed" column	654680 to 688 inclusive
Geological 17 days	657623 - 24
Geochemical 17 days	657751
Man days ☐ Airborne ☐	670070
Special provision ☒ Ground ☒	670184 - 85
☒ Credits have been reduced because of partial coverage of claims.	670187 to 201 inclusive
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	670203 to 212 inclusive
	670258 to 260 inclusive
	670315 to 328 inclusive
	695882 to 886 inclusive
	651943 to 948 inclusive

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

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey ☐ Insufficient technical data filed

K 654678 - 79

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.6023

Date 1984 06 06

Mining Recorder's Report of Work No. 135-83

Recorded Holder ASAMERA INC

Township or Area TURTLEPOND LAKE AND BOYER LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	$44,820.90 spent on Assaying samples taken from Mining Claims:
Electromagnetic ____ days	K 535339 to 345 inclusive
Magnetometer ____ days	589052
Radiometric ____ days	603335 to 340 inclusive
Induced polarization ____ days	604309 to 313 inclusive
Other ____ days	646201
Section 77 (19) See "Mining Claims Assessed" column	651943 to 948 inclusive
Geological ____ days	654671 to 678 inclusive
Geochemical ____ days	654681 to 688 inclusive
	657623 - 24
	657751
	670070
	670203 to 212 inclusive
	670258 to 260 inclusive
	670315 to 328 inclusive
	695882 to 886 inclusive
Man days ☐ Airborne ☐	2988 days credit allowed which may be grouped in accordance with Section 77(19)
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

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

828 (83/6)

Ministry of Natural Resources
Ontario

June 15/84

Your file: 135-83

1984 05 31

Our file: 2.6023

Mrs. Mary Ellen Lemay
Mining Recorder (Acting)
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Madam:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. F.W. Matthews at 416/965-6918.

Yours very truly,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

S. Hurst:mc
Encls.

cc: Asamera Inc
Suite 2100
144 - 4th Ave S W
Calgary, Alberta
T2P 3N4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1984 05 31

2.6023/135-83

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.6023

Date 1984 05 31

Mining Recorder's Report of Work No. 135-83

Recorded Holder
ASAMERA INC

Township or Area
TURTLEPOND LAKE AND BOYER LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic 33 days Magnetometer 17 days Radiometric ____ days Induced polarization ____ days Other ____ days Section 77 (19) See "Mining Claims Assessed" column Geological 17 days Geochemical 17 days Man days ☐ Airborne ☐ Special provision ☒ Ground ☒ ☒ Credits have been reduced because of partial coverage of claims. ☐ Credits have been reduced because of corrections to work dates and figures of applicant.	K 535339 to 345 inclusive 589052 603335 to 340 inclusive 604309 to 313 inclusive 626201 deleted 651943 to 948 inclusive 654671 to 678 inclusive 654681 to 688 inclusive 657623 - 24 657751 670070 ~~670184 to 201 inclusive~~ 670203 to 212 inclusive 670258 to 260 inclusive 670315 to 328 inclusive 695882 to 886 inclusive

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

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey ☐ Insufficient technical data filed

K 654678-79

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

828 (83/6)

FWM

Jan 7th

135-83

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

2.6023

The Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)
Geological, geochemical, geophysical (Mag & VLF)

Township or Area
Boyer Lake and Turtlepond Lake areas M-2582 M-2663

Claim Holder(s)
Asamera Inc.

Prospector's Licence No.
T 1025

Address
Suite 2100, 144 - 4th Ave. S.W., Calgary, Alberta T2P 3N4

Survey Company
Surveys performed by Asamera (temporary) personnel

Date of Survey (from & to): 06 Day | 05 Mo. | 83 Yr. | 02 Day | 08 Mo. | 83 Yr.

Total Miles of line Cut
112.84 (181.6km)

Name and Address of Author (of Geo-Technical report)
David Hassell c/o Asamera Inc. Suite 2100, 144 - 4th Ave. S.W., Calgary, Alberta

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K					

SEE ATTACHED LIST

KE... MINING DIV.
R ... E
NOV 8 1983
AM 7... PM 1...3456

Expenditures (excludes power stripping)

Type of Work Performed (proof of expenditures)
Assays, Analyses (attached)

Performed on Claim(s)
See attached list

see revised statement

Calculation of Expenditure Days Credits
Total Expenditures [$ 44,829.90] ÷ [15] = Total Days Credits [2988]

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

535339

Total number of mining claims covered by this report of work. 97

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
12,699	Nov 8/83	
	Date Approved as Recorded	Branch Director

Date: Oct 31 1983
Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
Victor Tanaka, c/o Asamera Inc., Suite 2100, 144 - 4th Ave. S.W.
Calgary, Alberta T2P 3N4

Date Certified

Certified by (Signature)

List of Claims

(The prefix X- denotes those claims from which samples (humus and rock) were not collected for analysis)

Exp. Days Cr.	Exp. Days Cr.	Exp. Days Cr.
K535339	X - K654679 - 50	K670206 - 40
K535340	K654680 - 40	K670207 - 40
K535341	K654681 - 40	K670208 - 40
K535342	K654682 - 40	K670209 - 40
K535343	X - K654683 - 48	K670210 - 40
K535344	K654684 - 40	K670211 - 40
K535345	K654685 - 40	K670212 - 40
K589052	K654686 - 40	K670258 - 40
K603335	K654687 - 40	K670259 - 40
K603336	K654688 - 40	K670260 - 40
K603337	K657623	K670315 - 40
K603338	K657624	K670316 - 40
K603339	K657751	K670317 - 40
K603340	K670070 - 40	K670318 - 40
K604309	K670184 - 40	K670319 - 40
K604310	K670185 - 40	K670320 - 40
K604311	K670187 - 40	K670321 - 40
K604312	K670188 - 40	K670322 - 40
K604313	K670189 - 40	K670323 - 40
K646201	K670190 - 40	K670324 - 40
K651943 - 40	K670191 - 40	K670325 - 40
K651944 - 40	K670192 - 40	K670326 - 40
K651945 - 40	K670193 - 40	K670327 - 40
K651946 - 40	K670194 - 40	K670328 - 40
K651947 - 40	K670195 - 40	K695882 - 40
K651948 - 40	K670196 - 40	K695883 - 40
K654671 - 40	K670197 - 40	K695884 - 40
K654672 - 40	K670198 - 40	K695885 - 40
K654673 - 40	K670199 - 40	K695886 - 40
K654674 - 40	K670200 - 40	
K654675 - 40	K670201 - 40	
K654676 - 40	K670203 - 40	
K654677 - 40	K670204 - 40	
X - K654678 - 50	K670205 - 40	

note: A total of 100 days of "special Provision" credits are being requested for each of the above listed claims (see report of work).

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.6023

Mining Lands Comments

Okay

☑ To: Geophysics Mr. R [illegible]

Comments

☑ Approved ☐ Wish to see again with corrections | Date Jan 3/84 | Signature R Barlow

☑ To: Geology ~~Expenditures~~ Mr. C Kustra

Comments

☑ Approved ☐ Wish to see again with corrections | Date Jan 6/84 | Signature C Kustra

☑ To: Geochemistry Dr. A. Hogarth

Comments

☑ Approved ☐ Wish to see again with corrections | Date April 11th 1984 | Signature [illegible]

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)

1983 11 22 2.6023

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic and Magnetometer) Geological, Geochemical and Data for Assaying submitted under Special Provisions (credit for Performance and Coverage) on mining claims K 535339 et al in the Area of Turtlepond Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-1380

A. Barr:mc

cc: Asamera Inc
Suite 2100
144- 4 Ave South West
Calgary, Alberta
T2P 3N4
Attention: David Hassell

Initial Check — MEA, Dec 7 1983

Assessed

Approved Reports of Work sent out

Notice of Intent filed

Approval after Notice of Intent sent out

Duplicate sent to Resident Geologist

Duplicate sent to A.F.R.O.

ASAMERA INC.
Suite 2100, 144 - 4th Avenue S.W., Calgary, Alberta T2P 3N4
Telephone (403) 269-5521, Telex: 03-822817

November 9, 1983

Lands Management Branch
Ministry of Natural Resources
Whitney Block - Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Attention: Mr. Fred Matthews - Project Supervisor

Dear Sir:

Please find enclosed, for assessment approval, two copies of our technical report (complete with maps) covering geological, geochemical and geophysical surveys, Diamond Drilling and Stripping and Trenching performed on our mineral property in the Boyer Lake/Turtlepond Lake Areas, Kenora Mining Division. Please note that in order to comply with the regulations regarding the submission of assessment reports I have reproduced the maps at a scale of 1:5000 (1"= 417'). The print on some of these maps may not be as legible as the original maps therefore I have included a set of the original, 1:10,000 scale, maps with each report as well.

Also enclosed, in duplicate, are proof of expenditures covering geochemical analyses and assays relating to the above referenced geochemical surveys in addition to proof of expenditures regarding the Diamond Drilling and Stripping and Trenching.

I trust you will find these items in order, however, if you have any questions please do not hesitate to contact me.

Please indicate receipt of this package by signing in the space provided below and returning one signed copy of the letter to my attention at the address indicated above.

_____
Received by

_____
Date

Yours truly,
Asamera Inc.

David Hassell
Project Geologist
Minerals

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geol.; geophys. (Mag, VLF); Geochemical

Township or Area Boyer Lake/Turtlepond Lake Areas

Claim Holder(s) Asamera Inc.-2100, 144 - 4th Ave. S.W.,
Calgary, Alberta T2P 3N4

Survey Company Surveys performed by Asamera (temp.)employees

Author of Report R.B.K. Shives, David W. Hassell

Address of Author c/o Asamera Inc. (as above)

Covering Dates of Survey May 6 - Aug. 2, 1983
(linecutting to office)

Total Miles of Line Cut 181.6 km (112.84)

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
--Electromagnetic	40
--Magnetometer	20
--Radiometric	
--Other	
Geological	20
Geochemical	20

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Oct. 31, 1983 SIGNATURE: David W. Hassell
Author of Report or Agent

Res. Geol. _____ Qualifications 930816

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

See list attached

(prefix) (number)

If space insufficient, attach list

TOTAL CLAIMS 97

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 7263 Number of Readings 7263

Station interval 25 meters Line spacing 100 meters

Profile scale VLF: 1cm = 40%

Contour interval MAG: 25 gammas; VLF: 20%

MAGNETIC

Instrument EDA PPM 350 / EDA 400 Base Station / DCU printer

Accuracy – Scale constant ± 1 gamma

Diurnal correction method Correcting to base station (automatically)

Base Station check-in interval (hours) 6-8 hours

Base Station location and value Godson Lake Camp (base value = 60,025 gammas)

ELECTROMAGNETIC

Instrument Geonics VLF - EM - 16

Coil configuration

Coil separation

Accuracy

Method: ☒ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency Crosslines: 24.8 KHz (NLK); Baseline/Tielines: 17.8 KHz (NAA)
(specify V.L.F. station)

Parameters measured In phase; out of phase (quadrature)

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken (see attached list)

Total Number of Samples 3392

Type of Sample Humus
(Nature of Material)

Average Sample Weight 20 - 30 grams

Method of Collection By hand

Soil Horizon Sampled Ao

Horizon Development well developed

Sample Depth Surface

Terrain rock outcroppings, glacial deposits, thick forest and moss coverings

Drainage Development moderate to well developed

Estimated Range of Overburden Thickness 0 - 30 m

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis

Samples are screened (-30 mesh) dried and macerated

General 8 grams of this material is briqueted in a press at 30,000 PSI to form a briquet about 6 mm thick. Briquets are then irradiated under thermal or epithermal neutron fluxes. Samples are allowed to decay from four to seven days and are then counted using a combination of hyperpure germanium detector linked to a multi-channel analyzer-computer system.

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☒
p. p. b. ☒

Cu, Pb, Zn, Ni, Co, Ag, Mo, (As) (circle)

Others Au, Sb

Field Analysis (tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (3392 tests)
Name of Laboratory X-ray Assay Labs Ltd.
Extraction Method
Analytical Method Neutron Activation
Reagents Used

General

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken (see attached list)

Total Number of Samples 488

Type of Sample Rock (outcrop)
(Nature of Material)

Average Sample Weight 1.5 kg (3.3 lbs.)

Method of Collection rock hammer

Soil Horizon Sampled N/A

Horizon Development N/A

Sample Depth N/A

Terrain moderate bedrock knobs and ridges covered by tills, sands and boulders

Drainage Development moderate - well developed

Estimated Range of Overburden Thickness 0 - 30 meters (esker)

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis crushed and pulverized to 150 mesh

General

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☒
p. p. b. ☒

Cu, Pb, Zn, Ni, Co, (Ag), Mo, (As), (circle)

Others Au, Hg, Sb

Field Analysis (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (488 tests)
Name of Laboratory Barringer Magenta
Extraction Method Acid Leach
Analytical Method AA, cold vapour
Reagents Used Aqua Regia

General

List of Claims

(The prefix X- denotes those claims from which samples (humus and rock) were not collected for analysis)

Exp. Days Cr.	Exp. Days Cr.	Exp. Days Cr.
K535339	X - K654679 - 50	K670206 - 40
K535340	K654680 - 40	K670207 - 40
K535341	K654681 - 40	K670208 - 40
K535342	K654682 - 40	K670209 - 40
K535343	X - K654683 - 48	K670210 - 40
K535344	K654684 - 40	K670211 - 40
K535345	K654685 - 40	K670212 - 40
K589052	K654686 - 40	K670258 - 40
K603335	K654687 - 40	K670259 - 40
K603336	K654688 - 40	K670260 - 40
K603337	K657623	K670315 - 40
K603338	K657624	K670316 - 40
K603339	K657751	K670317 - 40
K603340	K670070 - 40	K670318 - 40
K604309	K670184 - 40	K670319 - 40
K604310	K670185 - 40	K670320 - 40
K604311	K670187 - 40	K670321 - 40
K604312	K670188 - 40	K670322 - 40
K604313	K670189 - 40	K670323 - 40
K646201	K670190 - 40	K670324 - 40
K651943 - 40	K670191 - 40	K670325 - 40
K651944 - 40	K670192 - 40	K670326 - 40
K651945 - 40	K670193 - 40	K670327 - 40
K651946 - 40	K670194 - 40	K670328 - 40
K651947 - 40	K670195 - 40	K695882 - 40
K651948 - 40	K670196 - 40	K695883 - 40
K654671 - 40	K670197 - 40	K695884 - 40
K654672 - 40	K670198 - 40	K695885 - 40
K654673 - 40	K670199 - 40	K695886 - 40
K654674 - 40	K670200 - 40	
K654675 - 40	K670201 - 40	
K654676 - 40	K670203 - 40	
K654677 - 40	K670204 - 40	
X - K654678 - 50	K670205 - 40	

note: A total of 100 days of "special Provision" credits are being requested for each of the above listed claims (see report of work).

STARR PROJECT

ASSESSMENT SUBMISSION - EXPENDITURE CREDITS

Assays and Analyses:

(i)	Custom Fire Assaying Box 253 Cochenour, Ont. P0V 1L0	$ 583.00
(ii)	Loring Laboratories Ltd. 629 Beaverdam Rd. N.E. Calgary, Alta. T2K 4W2	$ 765.25
(iii)	Barringer Magenta Limited 3750 - 19th St. N.E. (Suite 105) Calgary, Alta. T2E 6V2	$ 9,417.72
(iv)	X-Ray Assay Laboratories Limited 1885 Leslie Street Don Mills, Ontario M3B 3J4	$32,119.00
(v)	Chemex Labs (Alberta) Ltd. Suite 100 - 2021, 41 Ave. N.E. Calgary, Alta. T2E 6P2	$ 1,424.43
(vi)	Terramin Research Labs Ltd. 14, 2235 - 30 Ave. N.E. Calgary, Alberta T2E 7C7	$ 511.50
TOTAL COST		$44,820.90
EXPENDITURE CREDITS = $44,820.90 ÷ 15 =		2,988.

2.6023

	Em	m	Geo/Geochm
535339	✓	✓	✓ ✓
40	✓	✓	✓ ✓
41	1/4	1/4	1/4 ✓
42	1/2	1/2	1/2 ✓
43	1/4	1/4	1/4 ✓
44	✓	✓	✓ ✓
45	✓	✓	✓ ✓
589052	1/4	1/4	1/4 ✓
603335	✓	✓	✓ ✓
36	✓	✓	✓ ✓
37	1/2	1/2	1/2 1/2
38	✓	✓	✓ ✓
39	✓	✓	✓ ✓
40	1/2	1/2	1/2 ✓
604309	1/2	1/2	1/2 ✓
10	✓	✓	✓ ✓
11	1/2	1/2	1/2 ✓
12	1/2	1/2	1/2
13	3/4	3/4	3/4 3/4
646201	✓	✓	✓ ✓
651943 $	1/4	1/4	1/4 ✓
44 $	1/4	1/4	1/4 ✓
45 $	1/4	1/4	1/4 ✓
46 $	3/4	3/4	3/4 3/4
47 $	1/2	1/2	1/2 ✓
48 $	1/2	1/2	1/2 ✓
654671	1/4	1/4	1/4 ✓
72	✓	✓	✓ ✓
73	✓	✓	✓ ✓
74	✓	✓	✓ ✓
75	1/2	1/2	1/2 ✓

	Em	M	Ged	Geochm
654676	3/4	3/4	3/4	3/4
77	1/2	1/2	1/2	✓
78	∅	∅	∅	∅
79	∅	∅	∅	∅
80	1/2	1/2	1/2	1/2
81	✓	✓	✓	✓
82	1/4	1/4	1/4	✓
83	3/4	3/4	3/4	∅
84	1/2	1/2	1/2	✓
85	1/2	1/2	1/2	✓
86	1/4	1/4	1/4	✓
87	1/2	1/2	1/2	✓
88	✓	✓	✓	✓
657623	3/4	3/4	3/4	✓
24	1/4	1/4	1/4	✓
657751	✓	✓	✓	✓
670070	✓	✓	✓	✓
670184	✓	✓	✓	✓
85	✓	✓	✓	✓
87	1/2	1/2	1/2	✓
88	✓	✓	✓	✓
89	✓	✓	✓	✓
90	✓	✓	✓	✓
91	✓	✓	✓	✓
92	✓	✓	✓	✓
93	✓	✓	✓	✓
94	✓	✓	✓	∅
95	✓	✓	✓	✓
96	1/2	1/2	1/2	✓
97	✓	✓	✓	✓
98	✓	✓	✓	✓

2.6023

	Em	m	Geol	Geochm		Em	m	Geol	Geochm	
670199	✓	✓	✓	✓	695882	✓	✓	✓	✓	
200	✓	✓	✓	✓	83	1/4	1/4	1/4	✓	
1	✓	✓	✓	✓	84	1/2	1/2	1/2	✓	
3	✓	✓	✓	✓	85	1/2	1/2	1/2	1/2	
4	1/4	1/4	1/4	✓	86	3/4	3/4	3/4	3/4	35 6 9
5	1/2	1/2	1/2	✓						
6	1/4	1/4	1/4	✓						
7	✓	✓	✓	✓						
8	1/4	1/4	1/4	✓						
9	✓	✓	✓	✓						
10	✓	✓	✓	✓						
11	✓	✓	✓	✓						
12	1/2	1/2	1/2	✓	EM 97×40 = 3880					3880 ÷ 116.5 = (33)
670258	✓	✓	✓	✓	MAG 97×20 = 1940					1940 ÷ 116.5 = 16.65 = (17)
59	✓	✓	✓	✓	GEOL					
60	✓	✓	✓	✓	GEOCH.					
670315	✓	✓	✓	✓						
16	✓	✓	✓	✓						
17	✓	✓	✓	✓						
18	✓	✓	✓	✓						
19	✓	✓	✓	✓	dup					
20	1/2	1/2	1/2	✓						
21	1/4	1/4	1/4	✓	EM 95×40 = 3800					3800 ÷ 114.5 = (33)
22	1/4	1/4	1/4	✓	MAG					
23	✓	✓	✓	✓	GEOL. 95×20 = 1900					1900 ÷ 114.5 = 16.5
24	✓	✓	✓	✓	GEOCH.					= (17)
25	✓	✓	✓	✓						
26	✓	✓	✓	✓						
27	✓	✓	✓	✓						
28	✓	✓	✓	✓						

Peak Lake

Sasakwei Lake

Pincher Lake

BEAVER Pond

100 0 100 200 300 400 500 600 700 800 900 METERS

NOTE: All numbers on sample tags and lab results are preceded with the prefix SH (eg. SH-1203)

ASAMERA INC.
CALGARY, ALBERTA, CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

HUMUS-SAMPLE LOCATION MAP

SURVEYED BY: L. Dauphin, M. Cardinal	PREPARED BY: L. Dauphin, M. Cardinal
DATE SURVEYED: June 1 - July 29/83	SCALE: 1: 5,000
	MAP NO.: ST-83-2a

SOUTH HALF

whitewater lake

Minnehaha lake

PEAK LAKE

Peak Lake

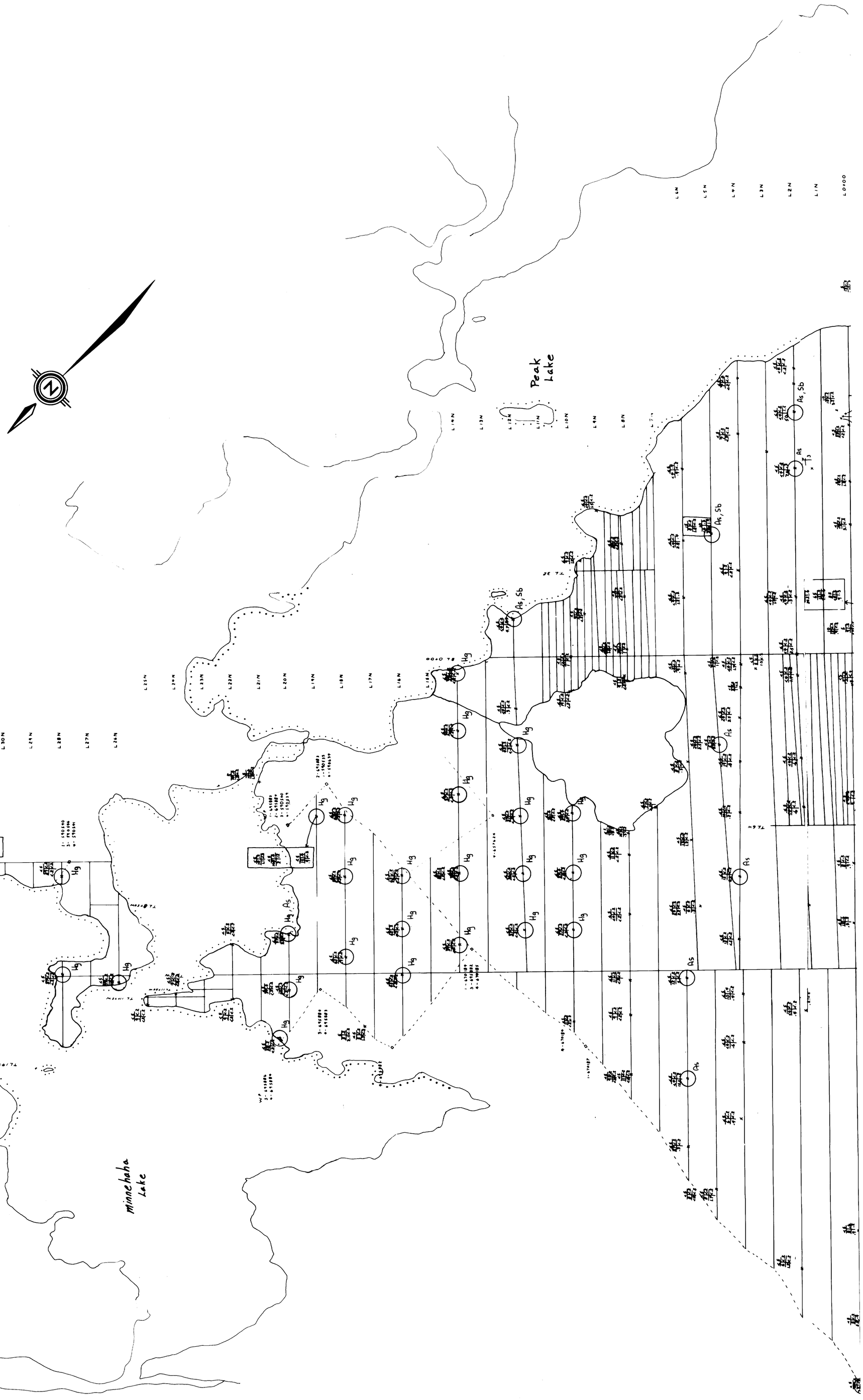
NORTH HALF

ASAMERA INC.
CALGARY, ALBERTA, CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO
ROCK GEOCHEM ANOMALIES

SURVEYED BY: L. Dauphin, M. Cardinal	PREPARED BY: R.B.K. Shives
DATE SURVEYED: June 1- July 29/83	SCALE: 1: 5,000
	MAP NO.: ST-83-3

NORTH HALF



100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC.
CALGARY, ALBERTA, CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

ROCK GEOCHEM-
SAMPLE LOCATION MAP

SURVEYED BY: L. Dauphin, M. Cardinal	PREPARED BY: L. Dauphin, M. Cardinal
DATE SURVEYED: June 1 - July 29/83	SCALE: 1: 5,000
	MAP NO.: ST-83-3a

NORTH HALF

Peak Lake

Minnehaha Lake

Whitewater Lake

100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC

STARR PROJECT

MAGNETIC SURVEY

— CONTOUR MAP —

Scale 1: ,000

Instrument used: PPM- 350
Base station: PPM - 400
Contour Interval: 25 gammas

Note: Add 59000 to obtain total field

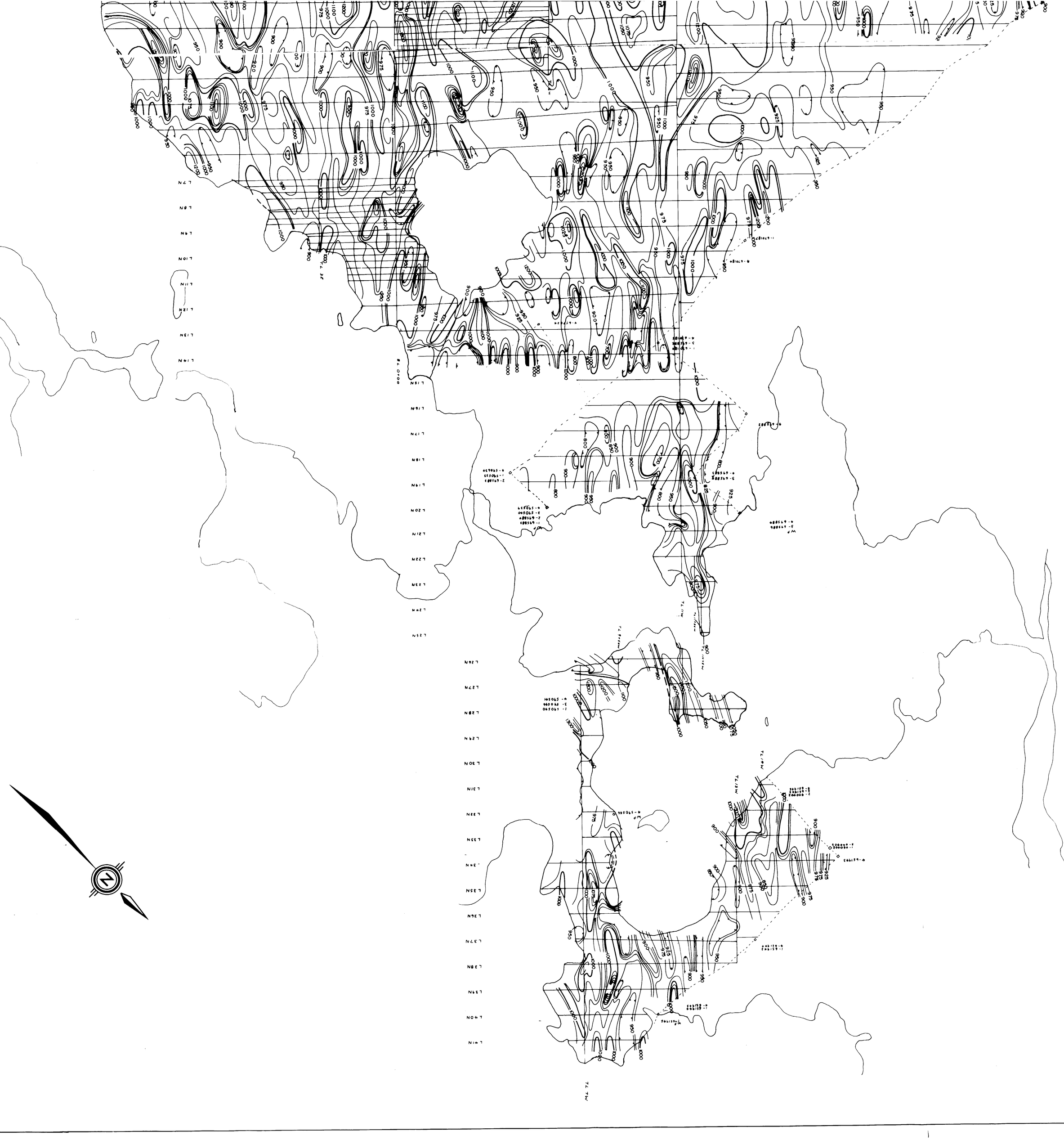
Surveyd, contoured and drafted by G. MIJAC

MAG HIGH (PROMINENT)

June / August, 1983

MAP NO. 4

SOUTH HALF



NORTH HALF

ASAMERA INC

STARR PROJECT
MAGNETIC SURVEY
—REDUCED VALUES—

Scale 1:5,000

Instrument used PPM-350
Base station PPM-4023
Base station value 57223 gammas

New ASM 59500 is station 1000 field

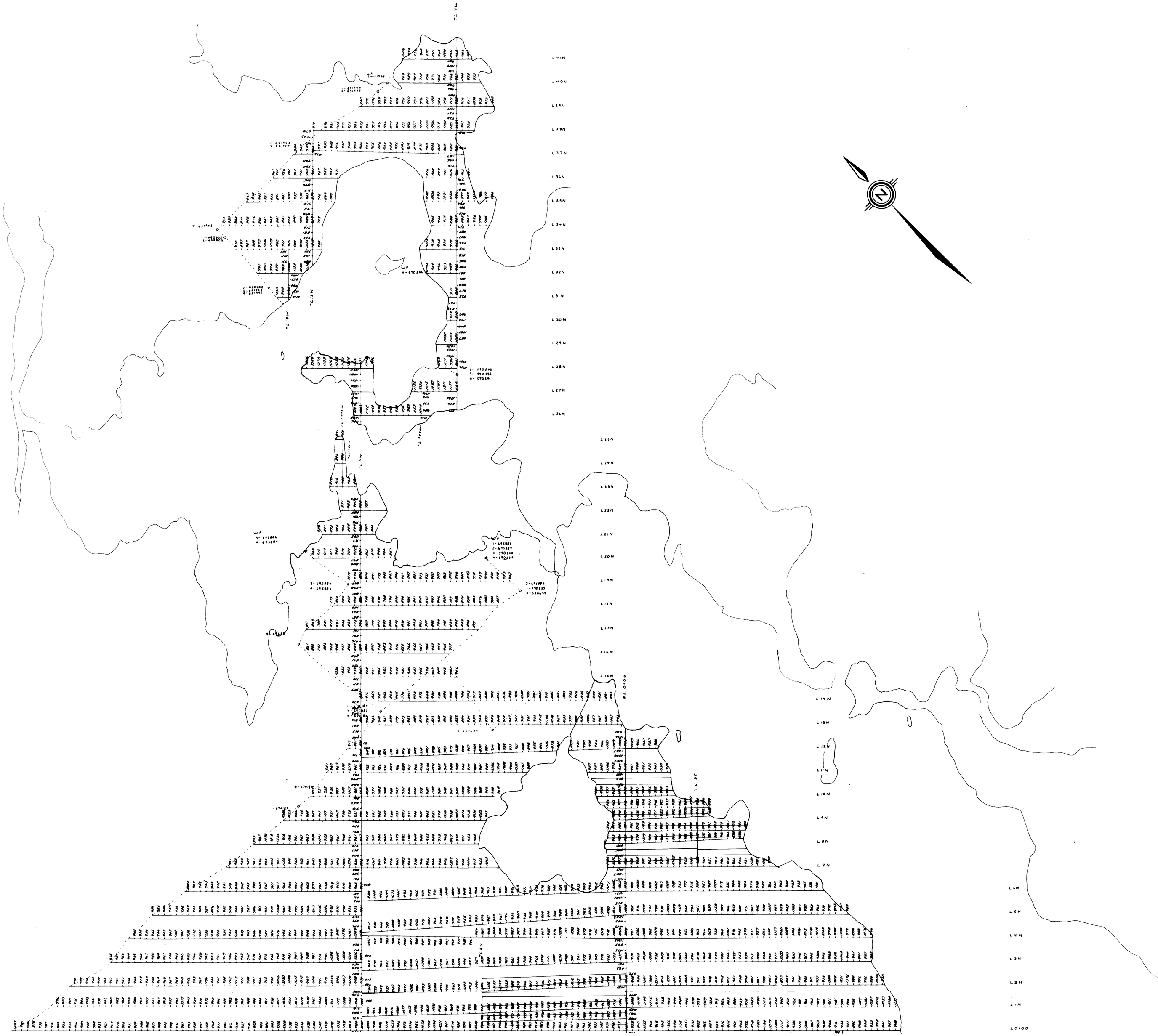
Surveyed, plotted and posted by G.MIJAC

June/August, 1985

MAP NO 4a

SOUTH HALF

100 0 100 200 300 400 500 600 700 800 900 METERS


L40N
L39N
L38N
L37N
L36N
L35N
L34N
L33N
L32N
L31N
L30N
L29N
L28N
L27N
L26N
L25N
L24N
L23N
L22N
L21N
L20N
L19N
L18N
L17N
L16N
L15N
L14N
L13N
L12N
L11N
L10N
L9N
L8N
L7N
L6N
L5N
L4N
L3N
L2N
L1N
L0100
NORTH HALF

100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC

STARR PROJECT

VLF EM SURVEY

FRASER FILTERED IN PHASE DATA

Scale 1:5,000

Instrument used: EM-16
Readings taken facing East (cross lines)
North (B L & T L)
Station used: NLK (cross lines)
NAA (B L & T L)
Contour interval 20%

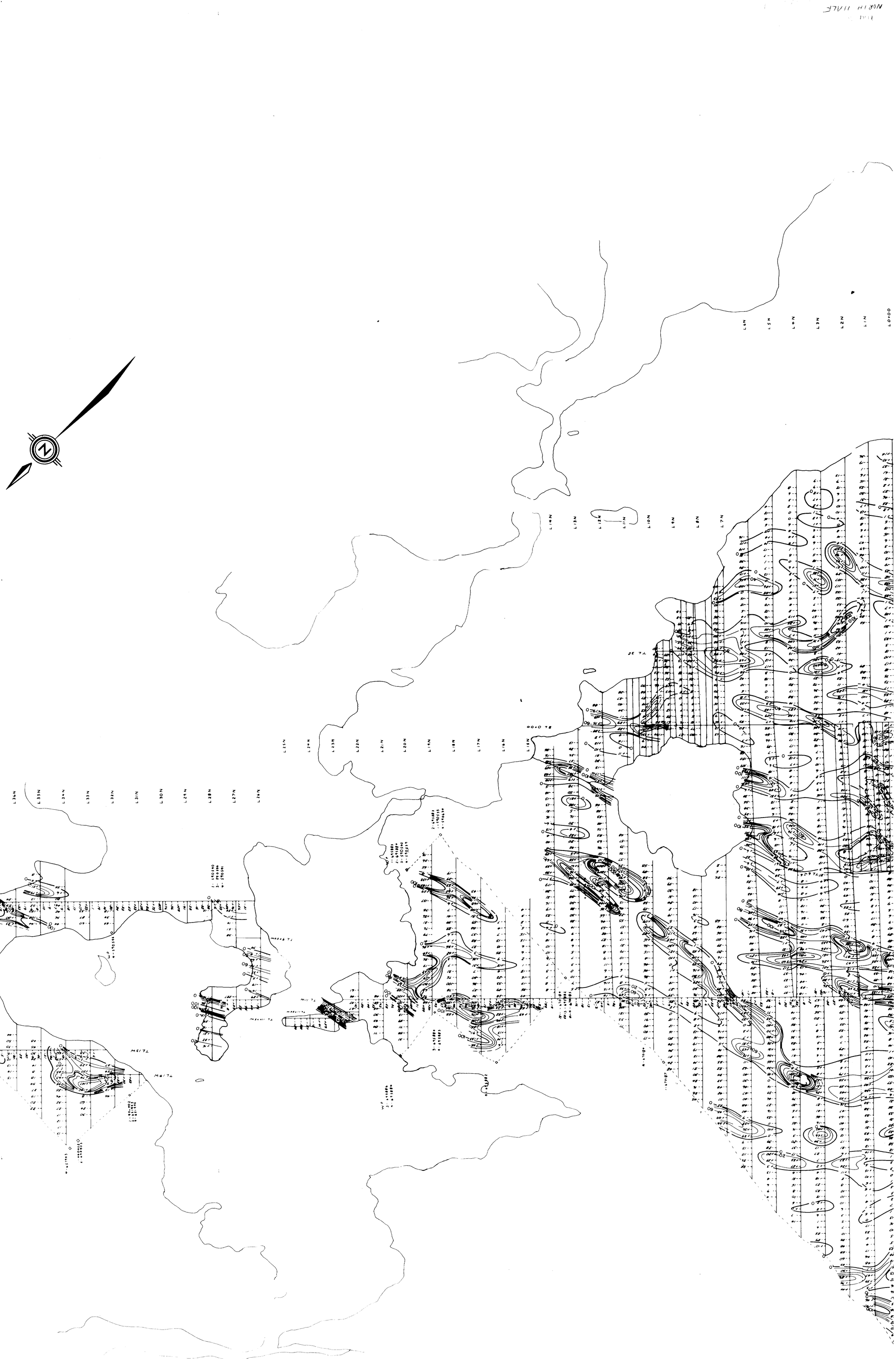
Surveyed, drafted and contoured by G. MIJAC

June / August, 1983

MAP NO. 5

SOUTH HALF

NORTH HALF
TAU



100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC

STARR PROJECT

VLF EM SURVEY

—RAW DATA—

Scale 1:5,000

Instrument used 1-16
Station used NL 24.8KHz(cross lines)
NAA 17.8KHz(B L and T L)
Readings taken facing East(NLK)
North(NAA)

Note values obtained on B L and Tie Lines omitt

Surveyed and plotted by G MIJAC

I.P. Q.P

June / August, 1983

MAP NO. 5a

SOUTH LINE


TL 7W
TL 8W
TL 9W
TL 10W
TL 11W
TL 12W
TL 13W
TL 14W
L 1N
L 2N
L 3N
L 4N
L 5N
L 6N
L 7N
L 8N
L 9N
L 10N
L 11N
L 12N
L 13N
L 14N
L 15N
L 16N
L 17N
L 18N
L 19N
L 20N
L

100 0 100 200 300 400 500 600 700 800 900 METERS

SOUTH HALF

ASAMERA INC

STARR PROJECT

VLF EM SURVEY

PROFILES

Scale : 1: 2,000

1cm = 20%

Instrument used: EM-16

Station used: NLK 24.8 KHz (cross lines)
NAA 17.8 KHz (B.L. & T.L.)

Readings taken facing East(cross lines)
North(B.L. & T.L.)

Surveyed and plotted by G.MIJAC

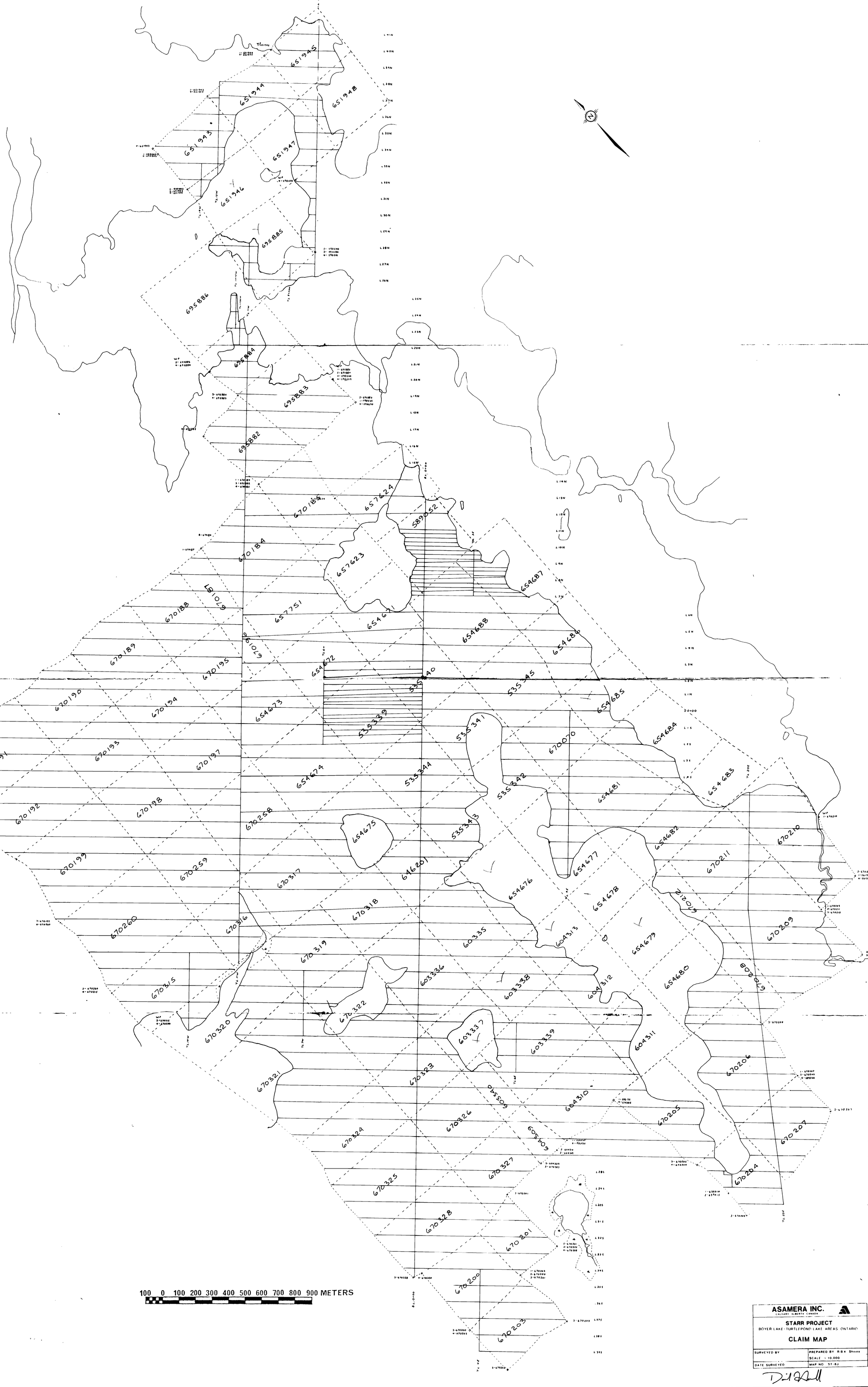
I.P.

Q.P.

June / August, 1983

MAP NO. 5b

NORTH HALF



Crooked River

Mafic Fine grained Massive and Pillowed flows

Mafic Pyroclastics

Mafic Massive & Pillowed Plagioclase-Phyric Flows

Minnehaha Lake

Mafic Fine Grained Massive and Pillowed flows

Peak Lake

mafic massive flows

?

?

?

Drydan 41 km

Felsite

MANITOU ANTICLINE AXIS

Sasakwei Lake

Mafic Pyroclastics

FAULT

STRAITS

MANITOU

Mafic Pyroclastics

Mafic Pillowed Flows

Felsic Flows

?

LEGEND

Phanerozoic

CENOZOIC

Quaternary

Pleistocene and Recent

Clay, sand, gravel, boulders unconformity

EARLY PROTEROZOIC (ABOKIAN)

EARLY-LATE TECTONIC INTRUSIVE ROCKS

FELSIC HYPABYSSAL ROCKS

9a Quartz-feldspar porphyry

9b Felsite

INTRUSIVE CONTACT

METAMORPHOSED MAFIC INTRUSIVE ROCKS

4a Gabbro

4c Diabase

INTRUSIVE CONTACT

METAVOLCANICS

FELSIC METAVOLCANICS

3a Tuff - lapilli-tuff

3b Tuff - breccia

3c Flows

3e Sericite-quartz schist

INTERMEDIATE METAVOLCANICS

2a Tuff - lapilli-tuff

2b Tuff - breccia

2c Quartz-feldspar-biotite

2d Chlorite-sericite schist

MAFIC METAVOLCANICS

Flows

1a Aphanitic - fine grained (< 1mm)

1b Medium-coarse grained (1mm-3mm)

1c Pillowed

1d Plagioclase-phyric (plag crystals < 1cm)

1e Pyroxene-phyric, pillowed

1h Plagioclase-phyric-coarse (plag crystals > 1cm)

1j Amygdaloidal

1m Chloritic schist

Pyroclastics

1f Volcanic breccia

1g Lapilli-tuff

1r Tuff-breccia

1s Tuff

Pyroclastic Rocks

Tuff-breccia

Lapilli-tuff

Tuff

SYMBOLS

Outcrop, area of outcrop

Swamp, muskeg, shallow stream

Simple Contraction

Bedding, top unknown

Bedding, dip unknown

Pillow elongation direction, top unknown

Pillow strike, dip, top direction

Foliation, dip unknown

Foliation, vertical dip

Foliation, inclined

Jointing, vertical

Jointing, inclined

Quartz vein, vertical

Quartz vein, inclined

Shearing, direction

Interpreted Faulting

Geological "domain" boundary

Geological contact

Claim line

Old trail, path, portage, road

Paved highway

Creek, flow direction

Swamp

Falls, rapids

Cabin

Cable reach

Beaver dam

Claim Post

Witness Post

Shaft, Pit, Adit (as labeled)

Trench

Quartz vein location

Pyrite

Chalcopyrite

100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC.
CALGARY, ALBERTA, CANADA

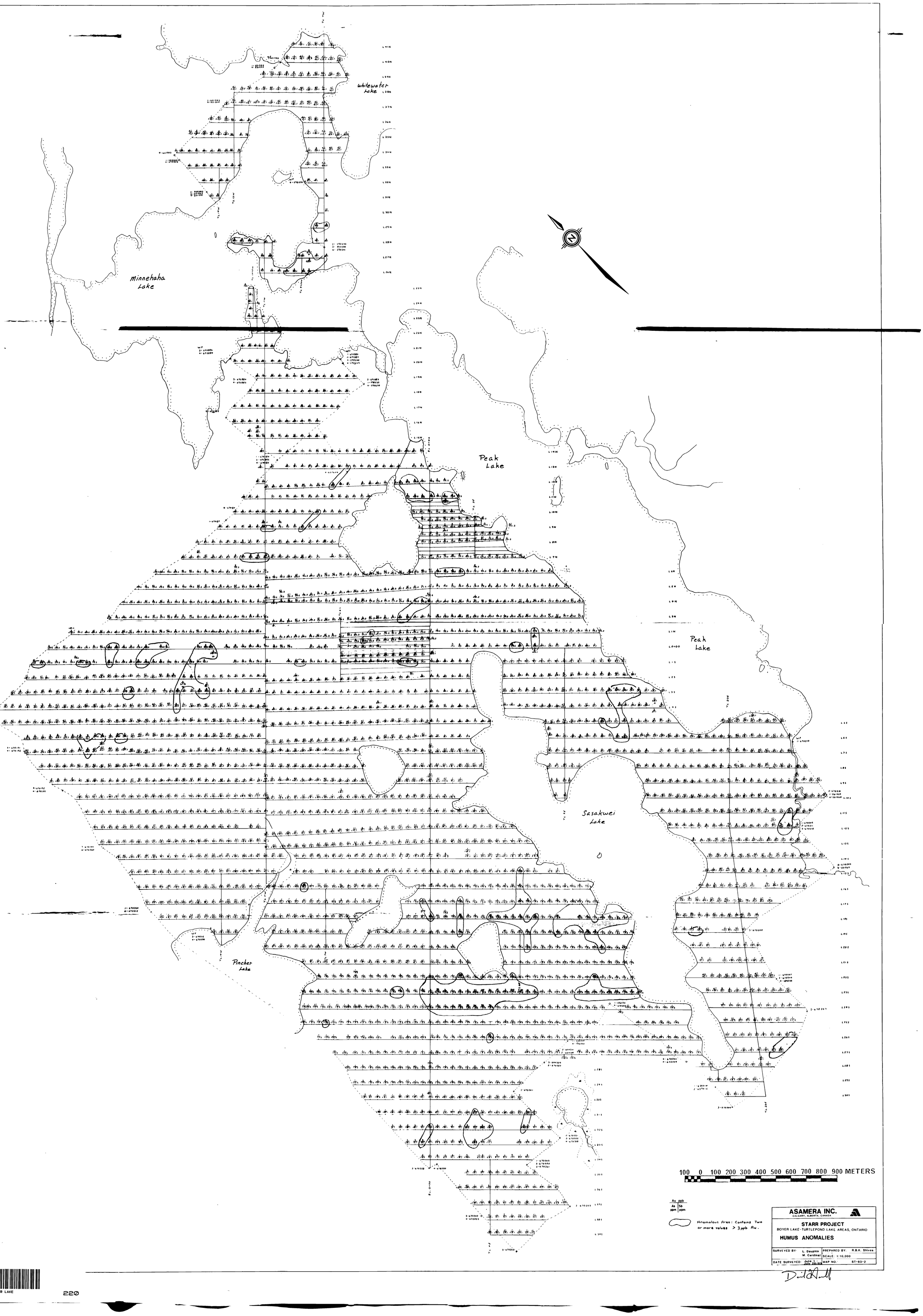
STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

GEOLOGY

SURVEYED BY: R.B.K. Shives P. Levesque D.W. Hassall	PREPARED BY: R.B.K. Shives
DATE SURVEYED: June 1 - July 29/83	SCALE: 1:10,000 MAP NO.: ST-83-1

D.I.A.M.

2.6023



Whitewater Lake

Minnehaha Lake

PEAK LAKE

Peak Lake

Sasakwei Lake

Pincher Lake

Beaver Pond

100 0 100 200 300 400 500 600 700 800 900 METERS

NOTE: All numbers on sample tags and lab results are preceded with the prefix SH (eg. SH-1203)

ASAMERA INC.
CALGARY, ALBERTA, CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

HUMUS-SAMPLE LOCATION MAP

SURVEYED BY: L. Dauphin, M. Cardinal	PREPARED BY: L. Dauphin, M. Cardinal
	SCALE: 1:10,000
DATE SURVEYED: June 1- July 29/83	MAP NO.: ST-83-2a

240

ASAMERA INC.

CALGARY, ALBERTA, CANADA

STAAR PROJECT

BOYER LAKE - TURTLEPOND LAKE AREAS, ONTARIO

ROCK GEOCHEM ANOMALIES

SURVEYED BY: L. Dauphin, R.B.K. Shives — PREPARED BY: R.B.K. Shives

SCALE: 1:10,000 — June '87

DATE SURVEYED: July 29/83 — MAP NO.: ST-83-3

LEGEND

Au	Pb	Ag	Cu
ppb	ppb	ppb	ppm

As	Sb
ppm	ppm

- Au : Gold (>10 ppb)
- Ag : Silver (>1 ppb)
- As : Arsenic (>3ppm)
- Sb : Antimony (>1ppm)
- Hg : Mercury (>30 ppb)

100 0 100 200 300 400 500 600 700 800 900 METERS

Peak Lake

Minnehaha Lake

Whitewater Lake

Whitewater Lake

Minnehaha Lake

Peak Lake

ASAMERA INC

STARR PROJECT

MAGNETIC SURVEY

— CONTOUR MAP —

SCALE 1:10,000

Instrument used: PDP-8I
Base station PDM-400
Contour interval: 25 gammas

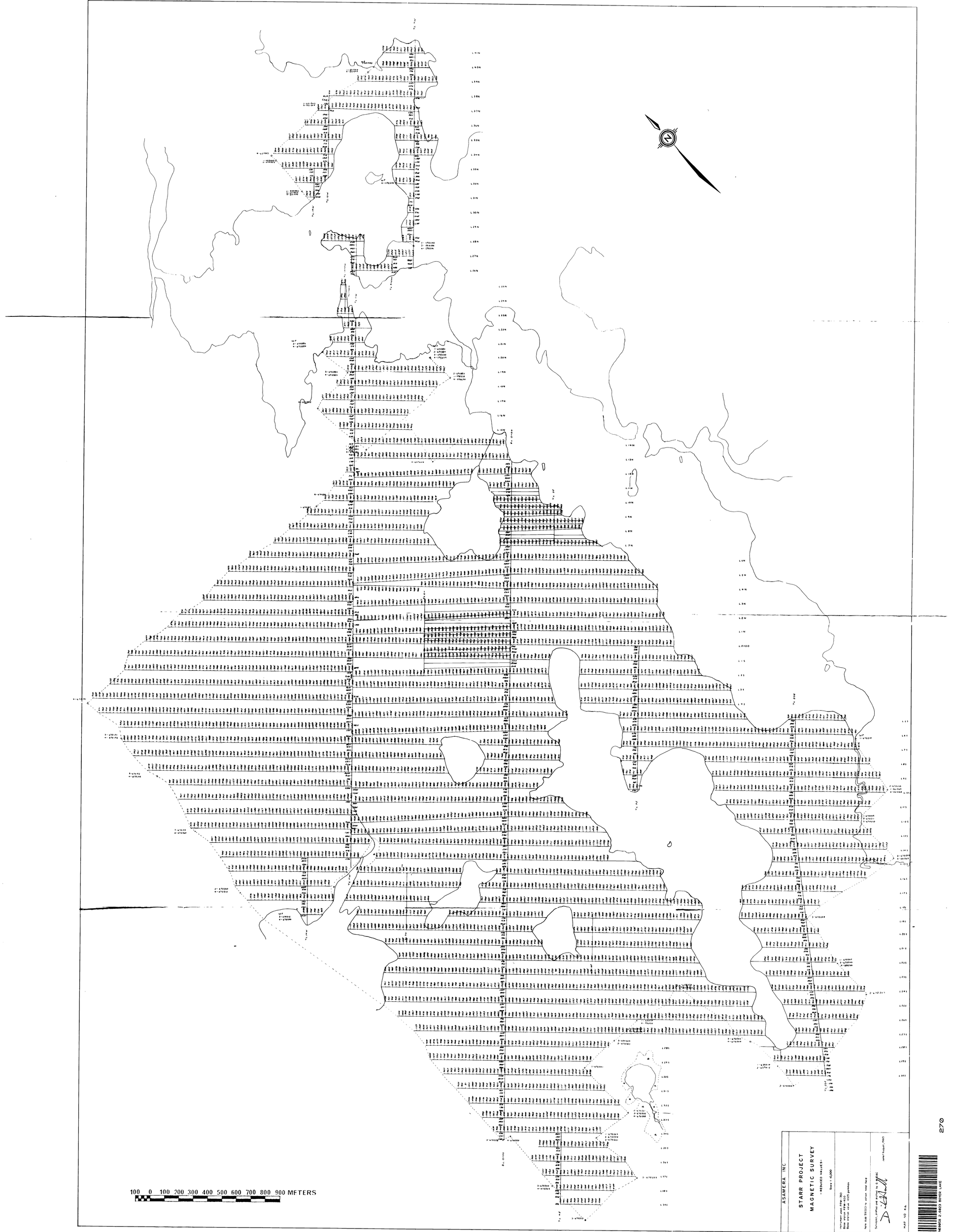
Mag. Base 59000 +/- 500gm Non Field

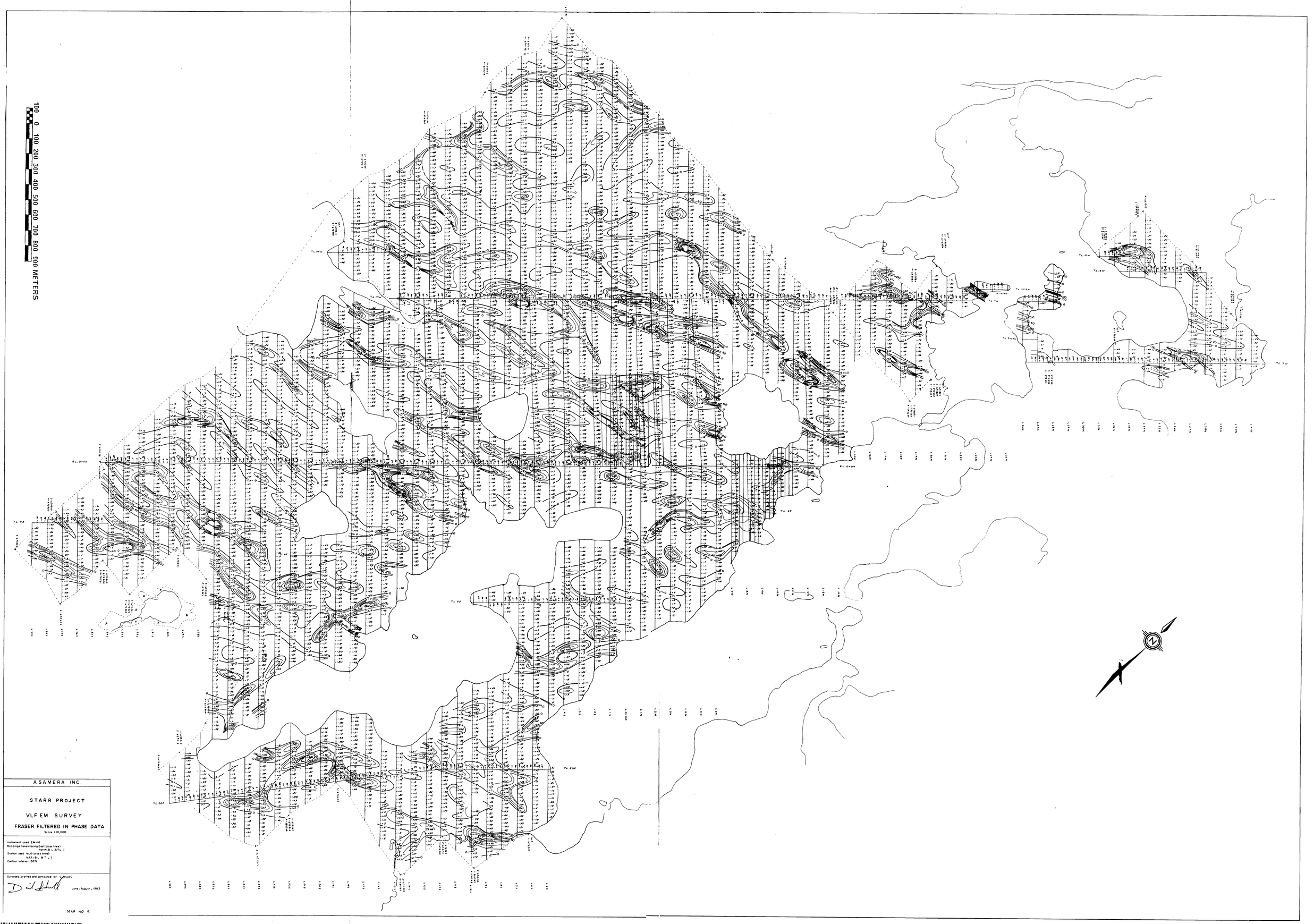
Surveyed, computed and plotted by G Wulac

June/August, 1983

Map No. 4

100 0 100 200 300 400 500 600 700 800 900 METERS





100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC

STARR PROJECT

VLF EM SURVEY

- PROFILES -
Scale 1:10,000
I.P.=80%

Instrument used: EM-16
Station used: NLK 24.8KHz (cross-line)
NAA 17.8KHz (B.L. & T.L.)
Readings taken facing East(cross-lines)
North(B.L. & T.L.)

Surveyed and plotted by G.MUAC

I.P.
G.P.

June/August, 1983

100 0 100 200 300 400 500 600 700 800 900 METERS

ASAMERA INC.
CALGARY ALBERTA CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

CLAIM MAP

SURVEYED BY	PREPARED BY R.B.K. Shives
	SCALE 1 5,000
DATE SURVEYED	MAP NO. ST-83

SOUTH HALF

SUPERIOR 2.6823 BOYER LAKE

310

651945
651944
651948
651943
651947
651946
695885
695886
695884
695883
695882
670185
657624
589052
657623
670184
654687
670188
657751
654671
654688
654686
670189
654672
670195
535340
535345
670190
670194
654673
659685
339
41
670179
N
NORTH HALF
MAP # ST-83
320

Dryden
41 km

Gravel

Mafic Pyroclastics

Mafic Pillowed Flows

Felsic Flows

MANITOU ANTICLINE AXIS

Sasakwei Lake

Felsite

Mafic Pyroclastics

MANITOU STRAITS FAULT

LEGEND

SYMBOLS

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Clay, sand, gravel, boulders, unconsolidated

EARLY PROTEROZOIC (ARCHEAN)

EARLY-LATE TECTONIC INTRUSIVE ROCKS

FELSIC HYPABYSSAL ROCKS

- 4a Quartz-feldspar porphyry
- 4b Felsite

INTRUSIVE CONTACT

METAMORPHOSED MAFIC INTRUSIVE ROCKS

- 1a Gabbro
- 1c Diabase

INTRUSIVE CONTACT

METAVOLCANICS

FELSIC METAVOLCANICS

- 3a Tuff - lapilli-tuff
- 3b Tuff - breccia
- 3c Flows
- 3e Sericite-quartz schist

INTERMEDIATE METAVOLCANICS

- 2a Tuff - lapilli-tuff
- 2b Tuff - breccia
- 2c Quartz-feldspar-biotite schist
- 2d Chlorite-sericite schist

MAFIC METAVOLCANICS

FLOWS

- 1a Aphanitic - fine grained (< 1mm)
- 1b Medium - coarse grained (1.0 - 3mm)
- 1c Pillowed
- 1d Plagioclase-phyric (phog crystals < 1cm)
- 1e Pillowed-phyric (phog crystals < 1cm)
- 1n Plagioclase phyric crystal (plag crystals > 1cm)
- 1l Amygdaloidal
- 1m Quartz-filled

PYROCLASTICS

- 1f Volcanic breccia
- 1g Lapilli tuff
- 1r Tuff breccia
- 1s Tuff

Tuff-breccia
Lapilli-tuff
Tuff
Lapilli
Ash
2mm
Mm

SYMBOLS

- Outcrop, area of outcrop
- Strong, with / shear zone
- Strata contact/dip
- Bedding, top unknown
- Flow orientation direction, top unknown
- Pillow strike, dip, top direction
- Foliation, dip unknown
- Foliation, vertical dip
- Foliation, inclined
- Jointing, vertical
- Jointing, inclined
- Quartz vein, vertical
- Quartz vein, inclined
- Shearing, direction
- Interpreted faulting
- Geological "domain" boundary
- Geological contact
- Claim line
- Old trail, path, portage, road
- Paved highway
- Creek, flow direction
- Swamp
- Falls, rapids
- Cabin
- Cabin ruins
- Beaver dam
- Diamond Drill
- Winkie Post
- Shaft, Pit, Adit (as labelled)
- Trench
- Claim's vein location
- Pyrite
- Chalcopyrite

100 0 100 200 300 400 500 600 700 800 900 METERS

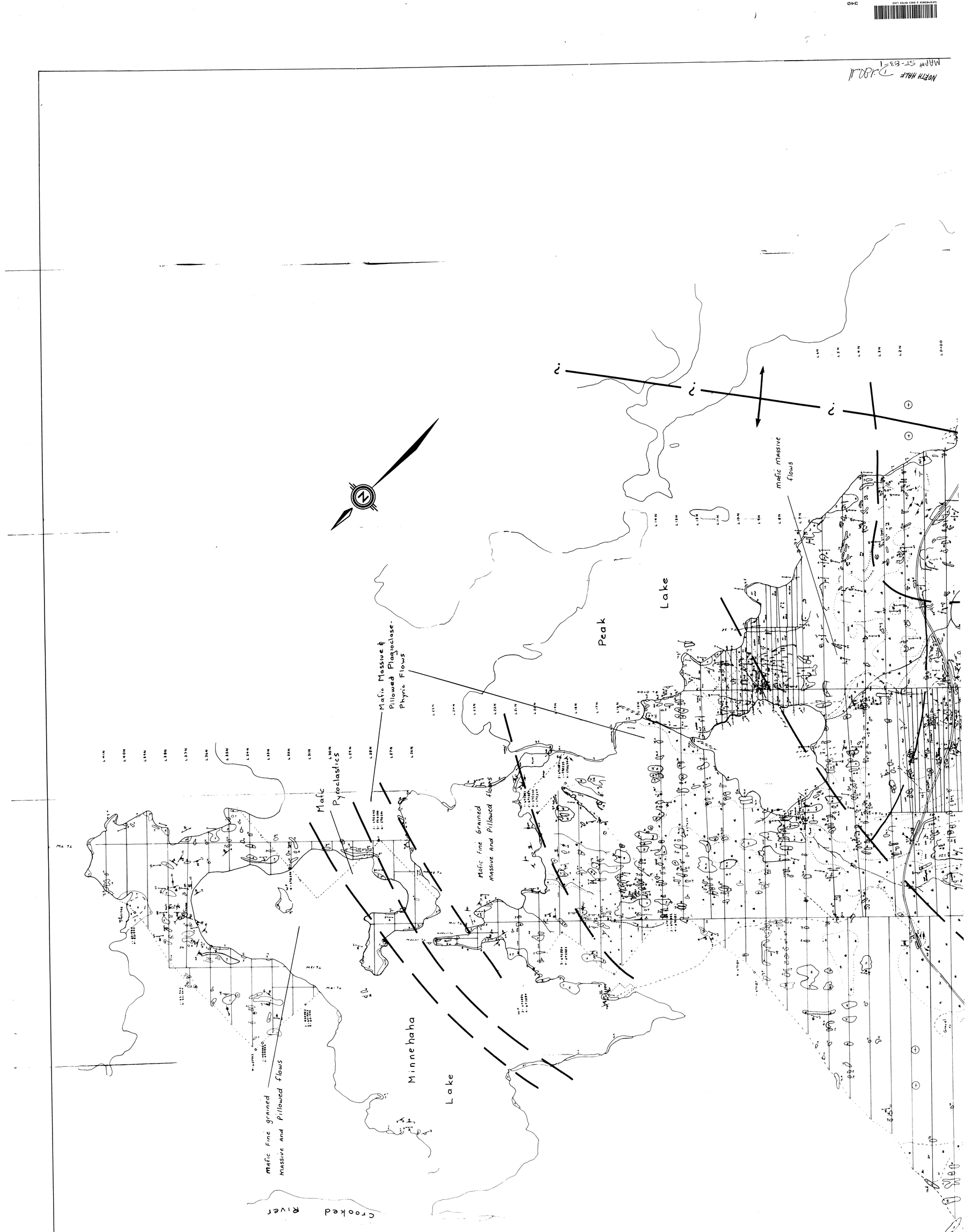
ASAMERA INC.
CALGARY, ALBERTA, CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

GEOLOGY

SURVEYED BY: R.B.K. Shives, P. Levesque, D.W. Hassett	PREPARED BY: R.B.K. Shives
DATE SURVEYED: June 1- July 29/83	SCALE: 1: 5,000
	MAP NO.: ST-83-1

SOUTH HALF



Peak Lake

Sasakwei Lake

Pincher Lake

100 0 100 200 300 400 500 600 700 800 900 METERS

Au ppb
As ppm | Sb ppm

Anomalous Area: Contains Two or more values > 3ppb Au.

ASAMERA INC.
CALGARY, ALBERTA, CANADA

STARR PROJECT
BOYER LAKE-TURTLEPOND LAKE AREAS, ONTARIO

HUMUS ANOMALIES

SURVEYED BY: L. Dauphin, M. Cardinal	PREPARED BY:- R.B.K. Shives
DATE SURVEYED: June 1 - July 28/83	SCALE: 1: 5,000
	MAP NO.: ST-83-2

SOUTH HALF

Whitewater Lake

Minnehaha Lake

Peak Lake

Peak Lake

NORTH HALF

MAP # ST-83-2