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SUMMARY REPORT

OF

GEOPHYSICS AND DIAMOND DRILLING

ON THE

HARKER TOWNSHIP

LARDER LAKE MINING DIVISION PROPERTY

OF MISSION-HARKER EXPLORATION LTD.

PROJECT #6256

February 21, 1986 Timmins, Ontario

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1.0 SUMMARY

In October 1985, Mission-Harker Exploration Ltd. acquired an option on four patented mining claims in Harker Township, Larder Lake Mining Division, Ontario. This property is underlain by what is believed to be the westerly strike extension of the Barrick Resources-McDermott gold prospect.

During November of 1985, David R. Bell Geological Services Inc. was contracted to manage a limited geophysical and diamond drill program on the Mission-Harker property. The geophysics consisted of a magnetometer and two VLF-EM surveys. In all a total of 1449.22 metres (4754.66 feet) of BQ core (1 7/16 inches) was obtained from eight holes. These holes were designed to test the above mentioned auriferous horizon.

The property was found to be underlain by intercalated Archean mafic metavolcanics and metasediments. These rock units were found to be the host for a series of parallel to sub-parallel deformational zones. It is within these horizons that the anomalous gold values are obtained.

The best and most consistent assay results were obtained from holes 6256-85-1 and -2 and holes 6256-86-7 and -8, from what was found to be the upper most of two alteration zones. In light of these results, it is felt that the Mission-Harker property shows excellent potential for hosting an economic gold deposit.

Therefore, a three phase follow-up program is recommended. Phase one, drill hole location and boundary survey and phase two, induced polarization and geological surveys. Both phase one and two will preceed the proposed 4700 metre diamond drilling phase.

2.0 INTRODUCTION

In December of 1985, David R. Bell Geological Services Inc., was contracted to plan, implement and complete a \$126,000. exploration program on behalf of Mission Harker Exploration Ltd. This program consisted of linecutting, geophysics and diamond drilling.

Approximately 13.7km of grid lines were cut with the baseline having an east-west orientation and the crosslines running north-south. This grid system was used for control between, and coordination of, the later phases of the program.

Magnetometer and VLF-EM geophysical surveys were completed to aid in program planning and geological interpretation. The diamond drilling phase of this program entailed eight holes totalling 1,449.22 metres.

The intention of this program was to locate and test for the strike extension of the deformation-alteration zone which hosts the Barrick Resources-McDermott Gold Prospect. It is known from personal experience, and communications with Barrick exploration staff that this host horizon has been found; via diamond drilling, on the Barrick-Manville Option to the east and the Barrick-Newmex Option to the west of the Mission Harker property.

With this knowledge it was apparent that the Mission Harker property held above average potential for hosting an economic gold bearing horizon.

.0 PROPERTY AND OWNERSHIP

On October 10, 1985, Mission Harker Exploration Ltd. acquired an option on four contiguous patent mining claims in Harker Township, Larder Lake Mining Division, Ontario.

Under the terms of this agreement, the company is to expend on this property a minimum of \$150,000.00 on mining exploration by October 27, 1986. See Table 1 for claim numbers and Figure 2 for claim configuration.

4.0 LOCATION AND ACCESS

Matheson, a small community on Highway 101, is located 55km east of the property which in turn lies 17.5km west of the Ontario-Quebec border.

At this point, direct access to the property can be gained by turning south off of Highway 101 onto a dry-weather road. At a distance of approximately 2.4km this road is intersected from the south by a drill road. This road leads directly into the property but, in summer its use would be restricted to muskeg machine. See Figure 1 and Figure 3.

5.0 PHYSIOGRAPHY

The northernmost claim of the property is transected by the Madawasaga River. Here the relief is low and most of the area is covered by a thick spruce swamp. A gradual increase in elevation is noted in a southward direction, to a point where a south-westerly trending ridge truncates this lower ground. The southern side of the ridge is gently sloped and decreases slowly in elevation to the property boundary.

The vegetation present, somewhat characterizes these features in the relief. Spruce, alder and some cedar exist in the lower more swampy sections, while birch and poplar have grown among the spruce in higher, drier areas.



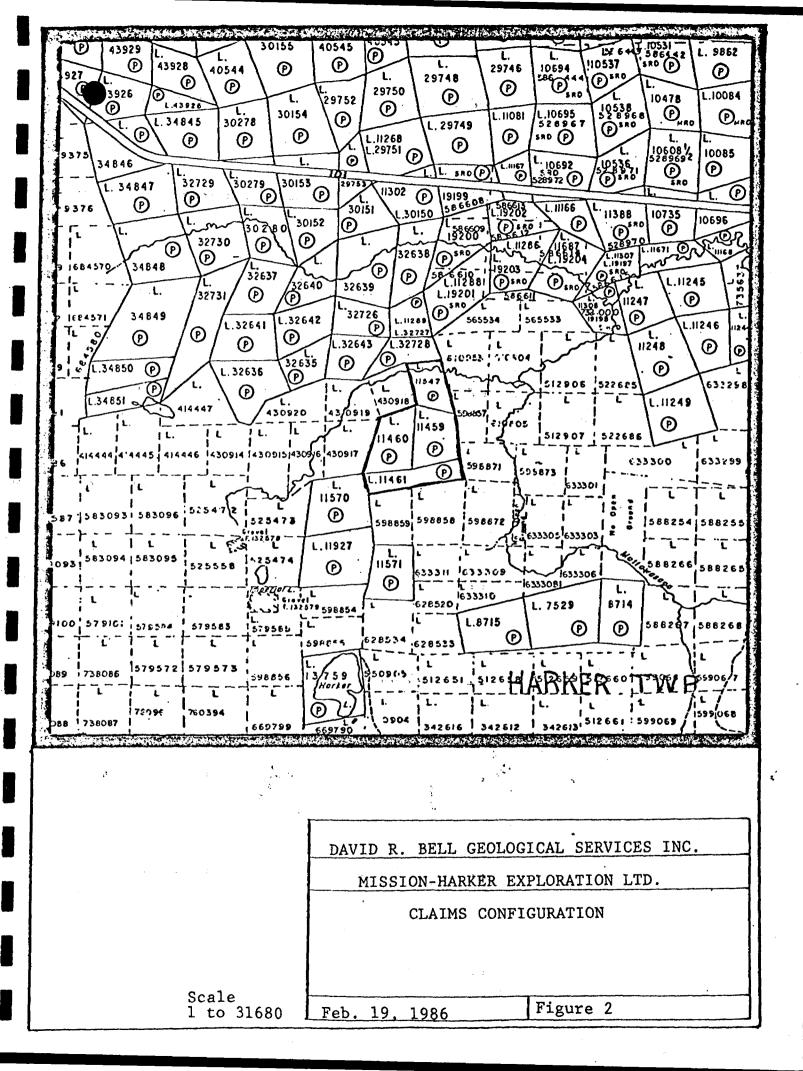
DAVID R. BELL GEOLOGICAL SERVICES INC.

MISSION-HARKER EXPLORATION LTD.

GENERAL LOCATION MAP

Feb. 19, 1986

Figure 1



ABLE I

LIST OF CLAIMS

Claim Number	Claim Status	Location
L11547	Patent	Harker Township, Larder Lake Mining Division
L11549	Patent	Harker Township, Larder Lake Mining Division
L11460	Patent	Harker Township, Larder Lake Mining Division
L11461	Patent	Harker Township, Larder Lake Mining Division

Overburden noted during the drill program was thin to moderate, and consisted predominantly of sand and gravel. The thickest section encountered was approximately 18 metres (drill width) with the narrowest being 3 metres. It is suspected that drilling further to the north would encounter a substantial increase in overburden.

Winters here are usually long and cold with abundant snowfall, while summers are hot, humid and relatively short.

6.0 POWER AND WATER

The nearest power line is located approximately 25km to the west. This line was established to service Perry Lake Wilderness Lodge, and would only be sufficient to support a small mining operation.

Water could be obtained from the Mattawasaga River which traverses the northernmost claim.

7.0 ANCILLARY SERVICES

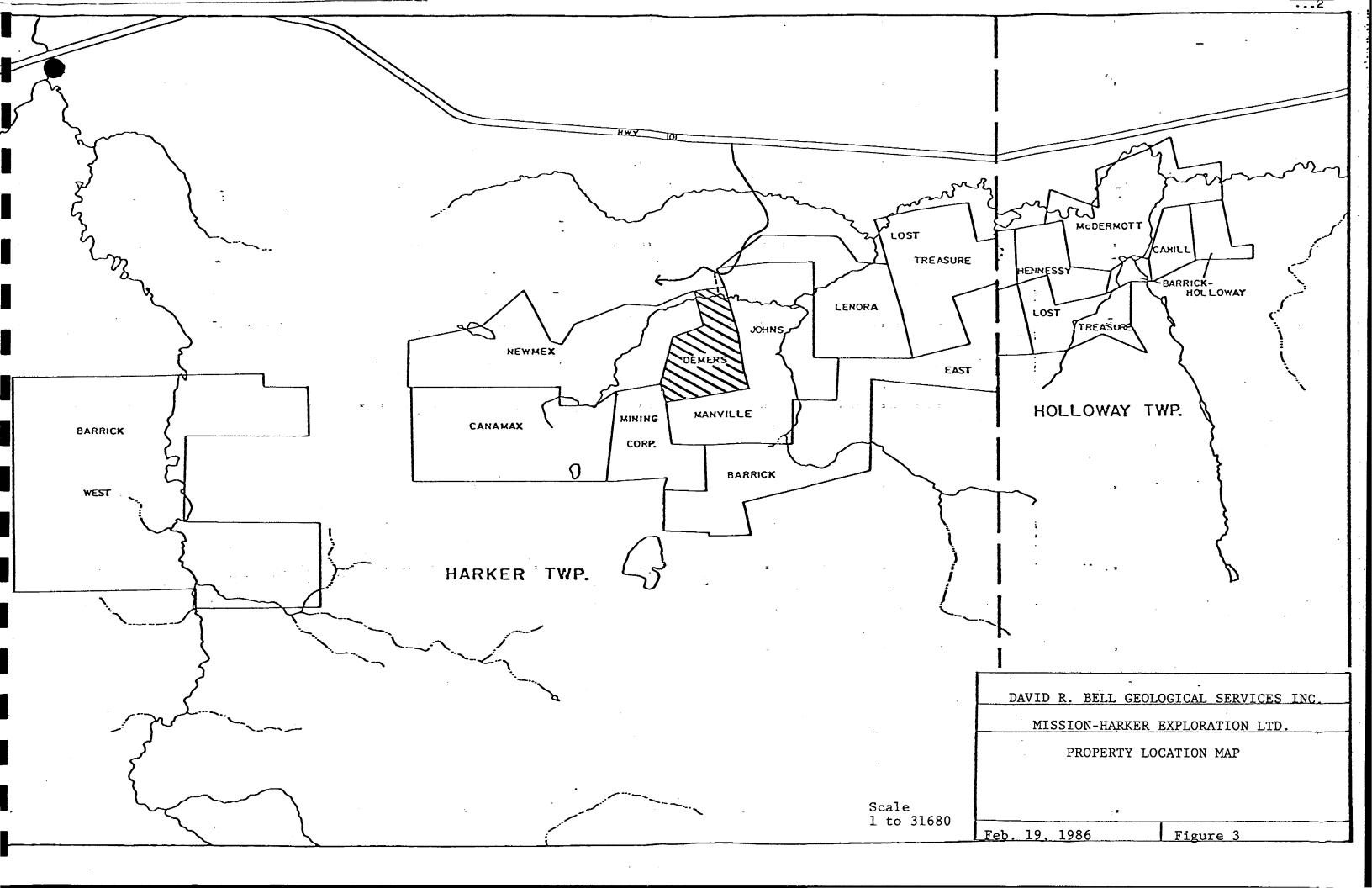
Matheson, which lies approximately 55km to the west, could supply small goods and services but, larger materials would have to be obtained in Timmins or Kirkland Lake.

8.0 PREVIOUS WORK

Although the claims are patent, record of the work which enabled the claims to be brought to patent could not be found in the Toronto Assessment Files.

9.0 REGIONAL GEOLOGY

The geology of the region is described in a report written by L.S. Jensen, 1982, "Geology of The Lightning River Area."



"Except for Keweenawan diabase dikes, all the bedrock is of Early Precambrian (Archean) age. A map of the stratigraphy and a table of stratigraphic units are shown in Figures 4 & 5, Tab. 2 & 3.

The oldest rocks are calc-alkalic basalts. andesites, dacites, and rhyolites called the Hunter Mine Group. These rocks occur at the west end of Upper Lake Abitibi, south parts of Indian Reserve No. 70, Rand, Lamplugh, and Frecheville Townships and in Quebec, east of the map-area where they have been named. The Hunter Mine Group is characterized by "rhyolite complexes" composed by breccias cut by numerous subvolcanic dikes of andesite, dacite, and rhyolite composition. These rocks contain feldspar and quartz phenocrysts. The complexes grade into bedded tuffs and tuffbreccias which in turn grade into cherts, iron formations, and in places, wacke. The facies changes in the Hunter Mine Group suggest a large calc-alkalic pile once existed in the vicinity of the Lake Abitibi Batholith. The rhyolite complex in Rand Township is surrounded by calc-alkalic basalt and andesite flows interlayered with tuff breccias of the same composition as well as dacite and rhyolite.

Overlying the Hunter Mine Group are komatiitic and tholeiitic lavas of the Stoughton-Roquemaure Group which is more than 10km thick in its typesection. In the type-section it overlies the Hunter Mine Group in Roquemaure Township and forms a steeply southeast-dipping monoclinal succession, the upper part of which forms the bedrock in the northeast half of Stoughton Township. The upper part of this succession can be traced westward across Lake Abitibi where again, the lavas can be seen to overlie the Hunter Mine Group. Elsewhere, the Stoughton-Roquemaure Group is intruded by the Lake Abitibi Batholith toward its base.

The calc-alkalic metavolcanics of the Hunter Mine Group in the Lamplugh area are cut by stocks and sills of peridotite which may have been feeders for the komatiitic lavas. In the south part of Lamplugh Township, the calc-alkalic rocks are overlain by a thick, flat-lying fractionated komatiitic lava flow which may have been ponded on the irregular calc-alkalic metavolcanic topography. The flow consists of a massive basal peridotite layer overlain by pyroxenite and gabbro similar in composition to magnesium-rich tholeiitic basalt. At higher elevations, the flow is capped by a finely bedded, 30cm

thick unit of calc-alkalic dacite tuff overlain by thick massive flows of iron-rich tholeiitic basalt. A similar group of rocks occur in the north part of Garrison Township, except, here they are tipped steeply on their side to the north.

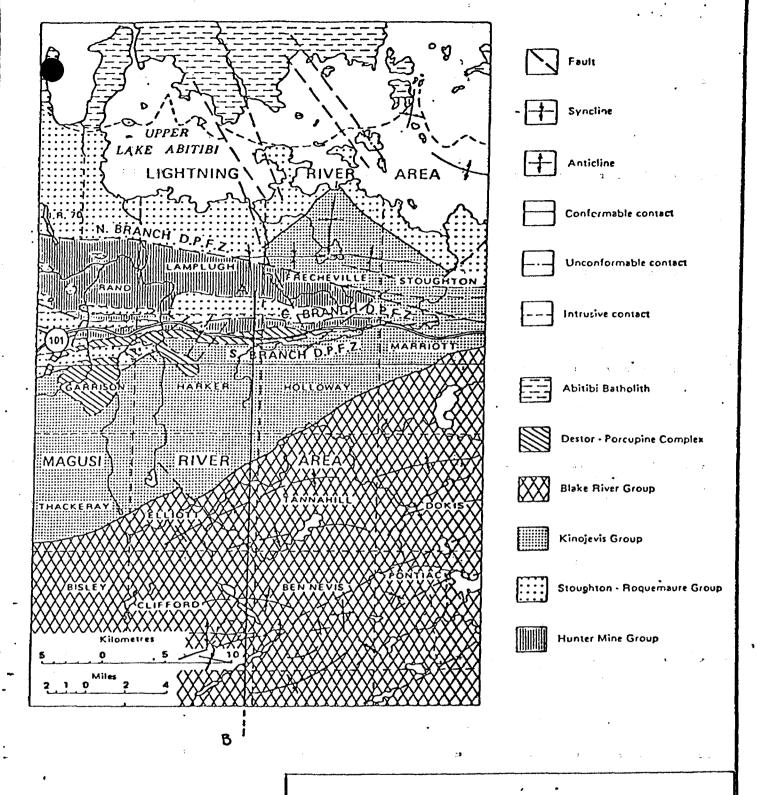
Fault-bounded wedges of komatiitic lava are also found along the Destor Porcupine Fault Zone; and are considered as well, to be part of the Stoughton-Roquemaure Group.

Komatiitic volcanism forming the Stoughton-Roquemaure Group appears to have begun in the basin to the south and spread northward engulfing the calc-alkalic volcnaic pile represented by the Hunter Mine Group.

The Stoughton-Roquemaure Group is conformably overlain by iron-enriched tholeiitic lavas referred to as the Kinojevis Group. At the top of the 10km thick type-section of the Stoughton-Roquemaure Group, numerous layers of finely bedded calc-alkalic felsic tuff-breccias, tuffs, cherts, argillites, graphitic sediments, and ironstone appear in the metavolcanic succession with the tholeiitic lavas. Komatiitic lavas disappear from the succession and the lavas show a pronounced iron-enrichment in the upper 5km thick metavolcanic succession of the 15km thick southwest facing monoclinal succession forming the northeast side of the triangular syncline in Frecheville Township. Upward in the Kinojevis Group, the bedded tuffs and sediments decrease toward the centre of the triangular syncline.

The tholeiitic lavas of the Kinojevis Group can be traced into the south part of Stoughton Township where they cross the Destor-Porcupine Fault Zone and can be followed westward south of the Destor-Porcupine Fault Zone. South of the fault zone, the Kinojevis Group attains a thickness greater than 10km and is overlain by calc-alkalic metavolcanics belonging to the Blake River Group.

Along the south part of the main Destor-Porcupine Fault Zone, stocks and dikes of syenite, syenodiorite, and quartz-monzonite intrude the Kinojevis Group and the fault-bounded wedges of metasediments, alkalic and komatiitic metavolcanics. These intrusive rocks are absent north of the Destor-Porcupine Fault Zone as are the alkalic metavolcanics."



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REGIONAL GEOLOGY AND STRUCTURE

Feb. 19, 1986

Figure 4

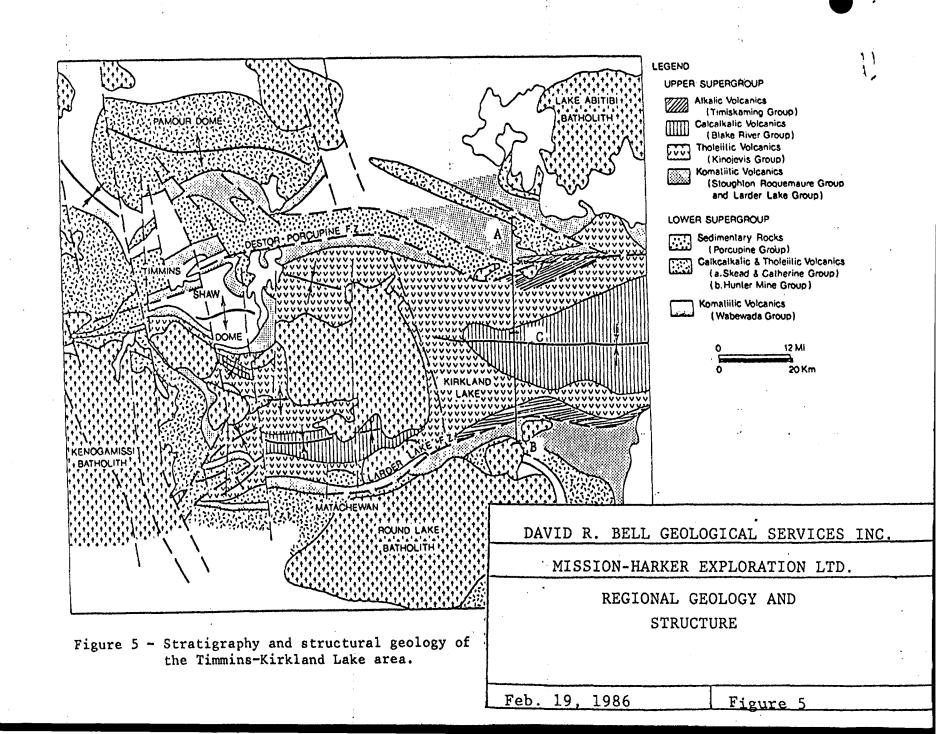


TABLE 2 Table of lithological units for the Lightning River
- Magusi River Areas (after Jensen, 1982)

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Till, reworked till, esker sand and gravel, varved clay, dune sand, alluvium, and peat.

UNCONFORMITY

PRECAMBRIAN

MIDDLE TO LATE PRECAMBRIAN (PROTEROZOIC)

MAFIC INTRUSIVE ROCKS

18. Diabase, quartz diabase (Keweenawan)

INTRUSIVE CONTACT

EARLY PRECAMBRIAN (ARCHEAN)

MAFIC INTRUSIVE ROCKS

17. Diabase (Matachewan)

INTRUSIVE CONTACT

FELSIC INTRUSIVE ROCKS

16. Equigranular and porphyritic syenodiorite, monzonite, feldspar porphyry, pegmatite, lamprophyre.

INTRUSIVE CONTACT

ALKALIC METAVOLCANICS

FELSIC METAVOLCANICS

15. Sodic trachyte, benmorite, alkalic dacite, rhyolite

MAFIC METAVOLCANICS

14. Hawaiite, alkali basalt, mugearite, nephelinite.

METASEDIMENTS

13. Conglomerate, wacke, arkose, argillite, sandstone, iron stone.

UNCONFORMITY

FELSIC INTRUSIVE ROCKS

12. Trondhjemite, quartz diorite, diorite

INTRUSIVE CONTACT

MAFIC INTRUSIVE ROCKS

11. Gabbro, quartz gabbro, hornblende gabbro, granophyre

INTRUSIVE CONTACT

ULTRAMAFIC INTRUSIVE ROCKS

10. Peridotite, dunite, pyroxenite, redingite

INTRUSIVE CONTACT

UPPER CALC-ALKALIC METAVOLCANICS

Felsic Metavolcanics

9. Massive flow breccia, tuff breccia, crystal tuff, feldspar and quartz feldspar porphyritic rhyolitic and dacitic rocks

MAFIC AND INTERMEDIATE METAVOLCANICS

8. Massive and pillowed flows, pillow-breccia, pyroclastic breccia volcanoclastic tuff, lapilli-tuff, amygdaloidal, porphyritic feldspar, basaltic and andesitic rocks.

THOLEIITIC METAVOLCANICS

Felsic Metavolcanics

7. Spherulitic and granular tuff, tuff-breccia, cherty tuff, dacite and rhyolite.

TRON-RICH MAFIC METAVOLCANICS

6. Black to dark green, massive pillowed, pillow-breccia, hyaloclastic, variolitic, amygdaloidal basalt, andesite rocks, and interflow sediments.

MAGNESIUM-RICH METAVOLCANICS

5. Grey to green, massive, pillowed, pillow breccia, hyaloclastic, variolitic, porphyritic feldspar, amygdaloidal basaltic rocks and interflow sediments.

ABLE 2 cont'd

KOMATIITIC METAVOLCANICS

Basaltic Metavolcanics

4. Massive, pillowed, pillow-breccia, hyaloclastic, variolitic, spinifex-textured basaltic rocks.

ULTRAMAFIC MATAVOLCANICS

3. Massive, pillowed, polysutured, spinifex-textured ultramafic rocks.

UNCONFORMITY

LOWER CALC-ALKALIC METAVOLCANICS

Felsic Metavolcanics

2. Tuff-breccia, crystal tuff, tuff, quartz and feldspar porphyritic rhyolitic and dacitic rocks, argillite, chert, and ironstone.

MAFIC AND INTERMEDIATE METAVOLCANICS

1. Massive, pillowed, pillow-breccia, pyroclastic breccia, tuff, amygdaloidal basaltic and andesitic rocks.

GROUP NAMES LITHOLOGIC UNITS Destor-Porcupine Complex Felsic Intrusives (16) + Alkalic Metavolcanics (14, 15) Metasediments (13).Abitibi Batholith Felsic Intrusives (12 when north of L. Abitibi) Black River Group Upper Calc-Alkalic Metavolcanics (8+9) Mafic Upper Intrusives (11) + Minor Supergroup Felsic Intrusives (12) Kinojevis Group Tholeiitic (5-7) +Komatiitic Metavolcanics (4). Tholeiitic + Komatiitic Stoughton - Roquemaure Metavolcanics (3-6) Group Ultramafic Intrusives (10).

Lower Supergroup

Hunter Mine Group

Lower Calc-Alkalic Metavolcanics (1-2).

0.0 REGIONAL STRUCTURE

A comprehensive interpretation of the structural geology, from the Lightning River Area to the Kirkland Lake-Larder Lake district, has been developed by L.S. Jensen (1981, 1982), a synthesis of his work is presented below:

"Major fault zones such as the Destor-Porcupine Fault zone and the Kirkland Lake-Larder Lake Fault zone evolved during the deposition of volcanic and sedimentary rocks of the Upper Supergroup along the margins of the older volcanic piles represented by the Lower Supergroup. (see Figure 5)

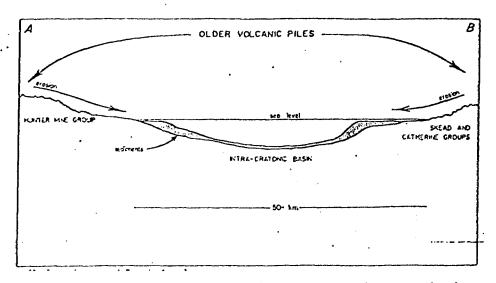
Stage 1: Prior to the deposition of the Upper Supergroup, the older volcanic piles consisted of calcalkalic cone-like volcanoes surrounded by a shallow water shelf that extended outward toward a deeper water ocean basin (Figure 6). Turbidites and chemical sediments and tuff were probably deposited on the shelf and nearby ocean basin by currents eroding the older volcanic pile.

Stage II: At the onset of the next volcanic cycle, ultramafic flows were emplaced on the floor of the ocean basin and the sedimentary and calc-alkalic volcanic rocks marginal to the older volcanic piles (Figure 7). Ultramafic to mafic lava began to fill the basin and engulf the older felsic volcanics and associated sediments...

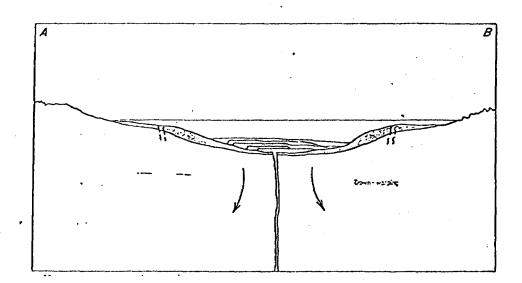
.....as the ultramafic lava accumulated, the weight probably depressed the floor of the basin and initiated fracturing (early expressions of the Destor-Porcupine and Kirkland Lake-Larder Lake fault zones) and slumping along the margins of the older volcanic piles.....

....the fractures probably provided channelways for hydrothermal brines rising to the surface.

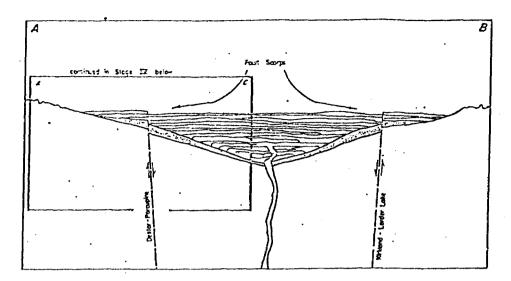
Stage III: As the basin filled with komatiitic rocks and sedimentary rocks and ultimately tholeiitic rocks, the weight of the accumulating rocks continued to depress the floor of the basin. Much of this movement probably occurred in the komatiites and



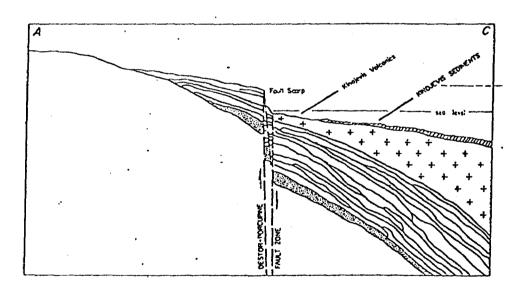
STAGE I: Deposition of Porcupine Group Sediments Within FIG. 6 an Intra-cratonic Basin



STAGE II: Extrusion of Stoughton Roquemoure Komatiitic
FIG. 7 Volcanics From Deep Crystal Fractures, initiation
of Basinal Subsidence



STAGE III: Continuing Komatiitic Volcanism and Crustal
FIG. 8 Depression Creates a Rapidly Subsiding Graben.
The flanks of the Synclinorium (Jensen, 1981),
are bounded on the north and south of the DestorPorcupine and the Kirkland Lake-Larder Lake Fault
Zone, respectively.

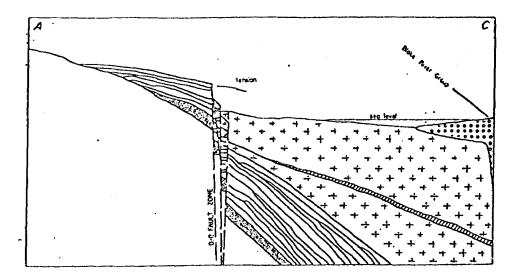


STAGE IV: Transition from komatilitic to tholeitic volcanism
FIG. 9 - deposition of the Kinojevis Group. Thick (100m)
sequences of sediments are deposited during breaks
in eruptive activity. With constant reworking of
of sediments, gold is concentrated in fluvial and
deltaic environments, and eventually, in local
basins. Graben subsidence continues.

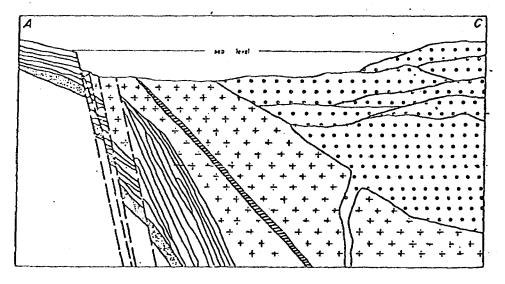
sediments near the margin of the shelf (Figure 8) resulting in the serpentinization of the komatiites and the formation of talc-chlorite schist. The movement produced downward displacement of the rocks on the basin-side of the fault zone relative to the same rocks resting on the shelf of the older volcanic pile. In the Kirkland Lake area, this displacement is estimated to be 20 to 30km, while an estimated displacement of 10-20km for the Lightning River Area is proposed.

Stave IV: At this stage, the emplacement of calcalkalic volcanic rocks, towards the core of the newly formed volcanic pile was probably associated with an inward collapse of the older volcanic rocks towards the centre of the original basin (Figure 9). Melting of the down-dropped sedimentary and volcanic rocks at the base of the volcanic pile may have produced felsic magma and hydrothermal solutions which penetrated upward along the fault zones resulting in extensive carbonatization, silicification, and deposition of gold in fracture zones of the younger rocks. Such a mechanism would explain the presence of gold in felsic intrusive rocks of the Kirkland Lake area, and gold in quartz-carbonate veins of tholeiitic and komatiitic flow-rocks in other mining camps.

Stave V: The final event was the compression of the fracture zone, possibly associated with the intrusion of granitic batholiths on either side of the fault zone. This caused tight folding and additional fracturing along the fault zones. Migration of the gold into the hinge zones of folds and other dilation zones probably occurred at this stage." (see Figures 10 and 11)



STAGE V-I: Accelerating subsidence applies tension to the FIG. 10 Destor-Porcupine Fault Zone. Burial of the Kinojevis Sediments by Kinojevis Volcanics and high crustal heat flow produces local carbonatization and silicification. Gold undergoes limited redistribution under locally produced hydrothermal conditions "offshore", island-arc calc-alkaline volcanism (Blake River Group), begins from a rising magma chamber.



STAGE V-II: With continued extrusion of the Blake River Group, FIG. 11 inward collapse of the graben produces dilation of the Destor-Porcupine Fault Zone. A second basin forms to the north of the growing island-arc volcanic piles. The collapse is a time of hydrothermal and granitic intrusive activity.

■1.0 GEOPHYSICS

Although the approximate location of the Barrick horizon was known, magnetometer and VLF surveys were performed in order to try and further delineate this zone. These surveys were also completed in an effect to locate other areas of potential interest on the property.

The magnetometer survey was performed using a Scintrex MP-2 Proton Magnetometer, while the VLF survey was completed using a Geonics EM 16. During the VLF survey two stations were read; Cutler, Maine and Annapolis, Maryland. This was done so as to define conductive bodies which parallel stratigraphy, as well as those that are perpendicular to it. These surveys were conducted over the previously cut grid, with readings taken at 25 meter intervals. The VLF readings were taken facing north. Locally, during the magnetometer survey, readings were taken at 12.5 meter intervals.

When the VLF surveys were completed the information was taken and a Fraser Filter was applied to it; both contour plans and pseudosections were developed. Although both surveys brought out distinct and similar features, minor differences were noted. Some of the anomalies brought out by one survey, were shown to be more continuous and have different attitudes when seen in the other survey, and vice versa. The fact that they showed somewhat contrasting features, when considered together, allowed for a more correct interpretation of the geology.

In light of the findings of the present program, it would appear that the VLF-EM survey using the transmitter located at Cutler, Maine, has best defined what possible is the Upper Zone.

The magnetometer survey appears to have outlined the volcanics and the metasediments. The sedimentary rocks have shown up as a low.

Both the magnetometer and VLF survey seem to indicate that a complex system of easterly and northerly faulting has occurred on the property.

12.0 DIAMOND DRILL PROGRAM

The diamond drill program was initiated on December 6, 1985 and after a short break for Christmas and New Years, was completed on January 28, 1986.

A total of 1449.22 metres of BQ (1 7/16" core size) diamond drilling was completed during the program (see Table 4), with core recovery averaging about 99.9%. The drilling was conducted in eight (8) holes, that were designed to test what was believed to be an east-west trending gold bearing alteration - deformation horizon. As a result of the program it was realized that in fact a total of three zones are present on the property.

Hole 6256-85-1 was intended to locate the auriferous zone, but in fact two horizons, an "upper" and "lower" zone were found. At this time it was not clear as to which zone represented the strike extension of the Barrick horizon, but the alteration as seen in both zones gave encouragement for the possibility of receiving at least anomalous gold values.

It was then planned that hole 6256-85-2, moving south and west from hole -85-1 would probe for the possible down dip and down plunge continuation of these zones. The down dip and down plunge attitude of the mineralized horizon has become apparent from work completed by Barrick Resources on their option properties. Hole -85-2 unfortunately had to be temporarily postponed, due to the difficulty of moving the drill to the top of the ridge.

The second hole to be completed in this program was 6256-85-3, which was intended to test for the strike extension of these two deformational horizons, being 150 metres due west of hole -85-1. These zones were intersected and in fact did appear to be strike extensions of the zones as seen in hole -85-1, but the degree of alteration had diminished to the point that anomalous results were not anticipated.

TABLE 4

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DIAMOND DRILL PROGRAM SUMMARY

Hole No.	Locati	lon	Bearing	Dip	Length	Start	Finish
6256-85-1	L25+00W	1+75N	360°	-50°	152.40	Dec. 8, 1985	Dec. 11, 1985
6256-85-2	L25+62.5W	1+18N	360°	-50°	224.64	Dec. 20, 1985	Jan. 7, 1986
6256-85-3	L26+50W	1+80N	360°	-50°	152.66	Dec. 15, 1985	Dec. 18, 1985
6256-86-4	L26+50W	2+50N	360°	-50°	198.12	Jan. 9, 1986	Jan. 12, 1986
6256-86-5	L27+00W	1+75N	360°	-50°	152.40	Jan. 13, 1986	Jan. 15, 1986
6256-86-6	L26+00W	1+18N	360°	-70°	191.05	Jan. 17, 1986	Jan. 20, 1986
6256-86-7	L26+00W	1+18N	360°	-50°	225.55	Jan. 20, 1986	Jan. 24, 1986
6256-86-8	L26+50W	1+00N	360°	-60°	152.40	Jan. 25, 1986	Jan. 28, 1986

Total 1,449.22m

(4754.66 ft)

Upon acquisition of the appropriate equipment, access to the top of the ridge could be gained and therefore hole -85-2 was completed. Again as in holes -85-1 and -85-3 two zones were encountered. The Upper Zone was the most encouraging returning one section of 2.98 gm/tonne over 4.22 metres. The Lower Zone showed a wide section of alteration, with a section of foliated (sheared) basalt occupying the central portion of this zone.

Hole 6256-86-4 was drilled as a sectional hole to -85-3 being collared 70 metres to the north. This hole, which in part was designed to test a broad VLF-EM conductor, encountered only one alteration-deformation zone equivalent to the Lower Zone-B. Again the degree of alteration and brecciation was disappointing and anomalous gold results were not expected.

Continuing with the westerly stepouts, hole 6256-86-5 was collared and drilled due west of -85-3. Two horizons were again encountered, but as later drilling would show, these two zones (plus the zones in holes -85-3 and -86-4) were in fact a conjugate pair of the Lower zone as found in holes -85-1 and 2. The alteration and deformation horizons in hole -86-5 being very similar to the ones in hole -85-3 and -86-4, were discouraging with low gold values expected.

Therefore with the best results, to the completion of hole -86-5, being received from -85-2, a westerly stepout of 37.5 metres from this collar was planned. Holes 6256-86-6 and -86-7 were drilled from the same set-up, -86-6 at -70° was intended to probe only the Upper Zone, while -86-7 at -50° was designed to test both the Upper and Lower Zones. Visual inspection of the Upper Zone in both holes gave encouragement and suggested that at least anomalous gold results would be returned.

Therefore the final hole, 6256-86-8 a 50 metre westerly and 18 metre southerly stepout was drilled. The results of this hole, designed to test only the Upper Zone, were very encouraging with the alteration zone being very much wider than expected. Due to budgetary restrictions, the hole was stopped in the Upper Zone, before undeformed and unaltered rocks were encountered.

13.0 PROPERTY GEOLOGY

In general, from information obtained during the drill program, the property was found to be underlain by a series of fine to coarse grained basaltic flows. They are composed predominantly of pyroxene, and for the most part, are moderately to intensely fractured. Some sections of good clean pristene basalts were noted as well.

Intercalated within these flows is a sequence of interbedded greywackes and argillites. The sediments are the eastern extension of a north-east trending belt, which culminates in a wedge shape on the Mission-Harker property. The argillites are comprised of siltstone, mudstone and graphitic black shales, which are the most abundant of the three. These units may represent a turbidite sequence.

After the completion of the first hole it was noted that two separate zones of alteration exist. An upper, more intensely altered zone, and a lower zone. The alteration consists of silicification, hematization, carbonatization, seritization and dolomitization. It was not known at this time whether the Upper or Lower Zone was the extension of the Barrick horizon to the east. As the program continued, further drilling to the west indicated that three zones of alteration exist. The Upper Zone, and a bifurcation of the Lower Zone resulting in two separate but related deformational horizons (see 4950m Level Plan).

As more data from the drill program was made available it became apparent that the lower zones, and not the upper zone, were actually the strike extension of the Barrick horizons to the east and west. These lower zones were dominantly confined to deformational packages within the basalts.

The Upper Zone is now thought to be an independent, but genetically related deformational zone, that predominantly coincides with the north-easterly trending interflow sedimentary horizon.

For a detailed account of the geology see the drill logs which accompany this report.

14.0 STRUCTURE

The general structure and attitude of the rock units on the property seems to be very simple. The sedimentary and volcanic rock sequences have an east-northeast strike and dip steeply to the south.

Although the structure appears to be very simple, a complex series of parallel faulting and resulting deformation zones exist. The two dominant orientations are parallel and perpendicular to the stratigraphy. The fact that there are a series of faults parallel to stratigraphy lends some credence to the theories of L.S. Jensen (1981). (See Regional Structure)

The degree of deformation within these zones varies from a shear developed foliation to intensely ground and brecciated sections. This occurs as both narrow discrete units and broad variably developed horizons. It is within these zones, particularly the sections that are highly deformed, that the gold mineralization is found.

15.0 MINERALIZATION AND ALTERATION

A total of three mineralized-alteration zones were located on the Mission-Harker property during this program. Holes -85-1, -2 and -86-7 intersected all three zones, while holes -86-6 and -8 cored only the upper most zone.

15.1 Alteration

The mineralization and alteration is hosted within deformational (i.e., brecciation) zones or horizons, that locally cross-cut stratigraphy, with the degree and intensity

In brecciation. An intimately associated feature of these deformational horizons are the parallel to subparallel, fault gauges, which are represented by narrow up to 3cm clay to clay-grit seams. These clay seams may represent the last phase of deformation, a reactivation of the fault-breccia deformational horizon. Numerous east-west to south-west trending fault zones have been interpreted for this region. These structures are believed to be genetically related to the Destor-Porcupine Fault Zone (Jensen 1981).

The target horizons have been described and catagorized on the basis of alteration and to a slightly lesser degree brecciation. This alteration when best developed can be seen to increase from a margin of foliated basalt or variably silicified zone, through transitionally silicified material to a central core of silicified zone material. This pattern is then reversed and will grade back to a margin of variably silicified material or foliated basalt and finally to unaltered basalt or sediment.

As previously mentioned the dominant form of alteration is silicification, which can be observed in part, by the increase in hardness, and by a grey to pale grey discolouration of the host.

In conjunction with the silicification, other alteration types present are hematization, carbonatization, dolomitization and sericitization.

The hematization is the most dominant of these other alteration types, and can be seen as fracture halos in the basalts. When the degree of fracturing increases to the stage of brecciation, the hematization dominates and the rock takes on a purple to purple grey colour.

A tertiary phase of alteration after silicification and hematization is observed to be the dolomitization. This is characterized by a pale brown to honey brown colour and the alteration is seen to follow the hematization into fractures, showing the later time relationship. An intensely altered section will be almost if not entirely pale brown in colour.

Carbonatization can be seen in three dominant forms, as fracture fillings, and two varieties which are apparently, genetically related to the silicification, hematization and dolomitization. The randomly oriented fractures may either pre or post date the main bulk of the alteration, and do not appear to be related to the gold mineralization. The carbonatization can also be found in foliation planes and fractures parallel to the foliation and can signify the proximity to a zone at higher alteration. A later pervasive style of carbonatization that overprints all other alteration types is also noted. This last form of alteration appears to correlate with a decrease in gold values. An alteration event in this form and post gold emplacement, may flood the system and carry away any free gold, leaving only pyrite protected gold.

Sericitization is noted locally and may be dominantly seen within the altered sediments, but may be a substitute for the dolomitization, given the appropriate host.

The nomenclature developed, generally referring to the type of silicification is briefly described below:

Silicified Zone

An extremely hard rock, showing a volumetric measure of silicification ranging from 95-100%. These zones may show several other forms of alteration and several stages of overprinted intensely developed brecciation.

Transitionally Silicified Zone

Generally a variably brecciated rock, with the silicification being controlled by this earlier deformation event. By volume, silicification ranges from 5-95%. These zones will also host a variety of other alteration types.

Variable Silicified Zone

The host is variably brecciated, ranging from only locally to intensely developed, with the silicification being less than 5% and not intensely developed. These zones will locally show other alteration types.

Alteration Zone

This is a category used to denote zones of poorly developed silicification, i.e., less than variably silicified types and generally lacking any well developed alteration.

These above mentioned catagories are applied to either basalts or sediments depending upon where the alteration is developed (Transitionally Silicified Basalt or Transitionally Silicified Sediments).

15.2 <u>Mineralization</u>

Pyrite is the dominant form of sulphide mineralization present, with only a minor amount of chalcopyrite being found in holes -85-1 and -86-8. Pyrite contents ranged from trace to 20% and was found in all rock types during this program.

Within the alteration zones a loose correlation between pyrite and gold content is observed. Therefore elevated pyrite content, along with intense alteration and brecciation give the most positive indications of higher gold values. The best and most consistent gold results have been received from the Upper Zone (see Table 5), specifically as intersected in holes 6256-85-1 and -2 and holes 6256-86-7 and -8.

All holes that intersected this zone returned wide sections of anomalous assays. For example the zone in hole -86-8, although lacking complete sample coverage, will average no less than 1.08 gm/tonne (0.032 oz/ton) across a drill width of 74.60 metres (244.75 feet).

The Lower Zone did also return anomalous results, but only from the upper or A portion, where an apparently continuous zone of mineralization can be traced from section to section (see 4950m Leval Plan). The B portion of this Lower Zone, as tested to-date, shows a substantially lower degree of gold enrichment, when compared to the other two horizons. This would explain the lack of gold values in hole -86-4, which tested only the B portion of this Lower Zone.

At this point in the program, it is apparent that the best and most consistent mineralization is hosted by a south-westerly trending structure (Upper Zone). This structure lies dominantly within a deformed and altered sedimentary horizon. Locally this alteration will include marginal and included sections of basalt, which have a tendance to give better gold assays.

16.0 CONCLUSIONS

As a result of this drill program it was found that the Mission-Harker property is underlain by a series of west to southwest trending mafic volcanic rocks, with associated interflow sediments. The volcanic rocks are composed of a sequence of very fine to coarse grained basaltic flows, which show both massive and flow contact features. Greywackes and argillites form the interflow sediments, with mudstone, claystones and graphitic black shales comprising the argillites.

Two dominant structural trends have been shown to exist by both the diamond drilling and particularly the geophysical surveys. These trends are oriented in northerly and easterly directions. From the drilling to-date, it is apparent that these easterly trending structures act as the control for the alteration and gold mineralization. The northerly trending features appear to represent a later stage of movement, that post-dates gold emplacement, and cause a dislocation of the local stratigraphy.

From information obtained during the drill program, it was found that the property is underlain by at least two of these easterly trending structures. These structural horizons, being fault-breccia zones, have been catagorized on the basis of position, by the terms Upper and Lower Zone.

Varying degrees of alteration are associated with these two horizons. The areas of most intense brecciation are generally found to be the most highly altered. The gold values, whether anomalous or ore grade show the greatest affinity for these alteration-breccia zones. The Upper Zone shows the best brecciation and alteration and as a result has yielded the highest gold values to-date (see Table 5).

From the results of this drill program it is clear that the Upper Zone has excellent potential for hosting economic gold mineralization.

17.0 RECOMMENDATIONS

Due to the positive results received from the diamond drilling, a three phase follow-up program is recommended. The first phase, a land survey, should be completed to properly locate the exterior claim boundaries, as well as locate the baseline and all drill hole collar locations.

Phase two would entail induced polarization (IP) and geological surveys, that would be conducted prior to the diamond drill program.

MISSION HARKER EXPLORATION LTD.

GOLD BEARING INTERSECTIONS

gold

				gore	a	
Hole Number	Start	End	Length (m)	gm/tonne m	oz/ton ft	Zone Manber
6256-85-1 includes	49.25 53.05	57.97 54.91	8.72 1.86	0.88/8.72 2.17/1.86	0.026/28.61 0.063/6.10	upper zone
6256-85-1	131.30	133.02	1.72	0.46/1.72	0.013/5.64	lower zone A
6256-85-2 includes includes	96.30 104.30 108.30	112.52 112.52 112.52	16.22 8.22 4.22	1.34/16.22 1.89/8.22 2.98/4.22	0.039/53.21 ~ 0.055/26.97 0.087/13.85	upper zone
6256-85-2	193.12	195.15	2.03	2.20/2.03	0.064/6.66	lower zone A'
6256-85-2	199.00	200.00	1.00	0.41/1.00	0.012/3.28	lower'zone A
6256-85-3	82.00	84.00	2.00	0.48/2.00	0.014/6.56	lower zone A
6256-86-4	no intersec	tions over 0.3	4 gms/tonne			
6256-86-5	79.00	80.39	1.39	0.34/1.39	0.01/4.56	lower zone A
6256-86-6	54.60	55.60	1.00	0.41/1.00	0.012/3.28	
6256-86-6	88.00	89.30	1.30	0.48/1.30	0.014/4.27	
6256-86-6 includes includes	102.56 102.56 107.83	117.95 105.44 117.95	15.39 2.88 10.12	0.46/15.39 0.37/2.88 0158/10.12	0.013/50.49 0.011/9.45 0.017/33.20	upper zone
6256-86-6	154.20	154.82	0.62	2.61/0.62	0.076/2.03	*hbz
6256-86-7 includes includes includes	51.63 51.63 59.20 78.86	82.60 55.74 60.71 81.62	30.97 4.11 1.51 2.76	1.23/30.97 0.38/4.11 15.92/1.51 2.28/2.76	0.036/101.61 0.011/13.48 0.464/4.95 0.067/9.06	upper zone
6256-86-7	152.60	155.60	3.00	0.43/3.00	0.013/9.84	lower zone A

^{*}hydrothermal breccia zone

TABLE 5 cont'd

MISSION HARKER EXPLORATION LTD. GOLD BEARING INTERSECTIONS CONT'D

ii ii

				go	1d	
Hole Number	Start	End	Length (m)	gm/tonne m	oz/ton ft	Zone Number
6256-86-8 includes	95.62 95.16	100.62 97.62	5.00 2.00	3.45/5.00 7.49/2.00	0.101/16.40 0.218/6.56	upper zone upper zone
6256-86-8	103.66	104.15	0.49	6.17/0.49	0.180/1.61	upper zone
6256-86-8	127.51	129.30	1.79	6.03/1.79	0.176/5.87	upper zone
6256-86-8	136.83	139.44	2.61	4.99/2.61	0.146/8.56	upper zone
6256-86-8 includes	143.94 143.94	151.48 146.61	7.64 2.67	2.19/7.64 3.80/2.67	0.064/25.07 0.111/8.76	upper zone

The induced polarization survey is intended to better define the mineralized horizons, especially the Upper Zone. It is anticipated that this limited IP coverage will require four days to complete.

At this time, a full scale mapping program is not recommended, but a limited examination of known bedrock exposures would enhance the overall geological understanding of this property. This would be advantageous especially in areas where the known mineralized horizons might outcrop. A total of four days of mapping will be sufficient to complete this phase.

Phase three, the diamond drilling portion of this program, is designed to define the nature and dimensions of the known mineralized horizons. The Upper Zone will be the main target of this phase. This would entail approximately 4700 metres (15,420 feet) of diamond drilling.

8.0 BUDGET	
Phase I - Boundary Survey	
Survey Costs	
4.0km exterior boundary	1
1.5km baseline	
8 drill hole colar locations	
- estimated	10,000.00
Phase II - Induced Polarization and Geological	Survey
Induced Polarization	
Survey Costs	
3.2km @ 0.80km/day	
4.0 days @ \$1200./day	4,800.00
Supervision	
1.0 days @ \$300./day	300.00
Map Preparation	
2.0 days @ \$300./day	600.00
Geology	
Survey Costs	
4 days @ \$500./day	2,000.00
- includes geologist and assistant	
Report and Map Preparation	
2 days @ \$300./day	600.00
Field Accommodation and Living Expenses	500.00
<u>Travel</u> - gas and kilometer charge	500.00
Total - Phase I and II	\$ <u>19,300.00</u>
<u>Phase III</u> - Diamond Drilling	
- all inclusive	
4700 metres @ \$91.84/metre	431,648.00
Total - Phase III	431,648.00

Total - Phase I, II and III Plus 10% contingencies 450,948.00 45,094.80

Total

\$496,042.80

say

\$496,000.00

Respectfully submitted,

Stephen W. Conquer, B.Sc.

Mike Simunovic, B.Sc.

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- 1981: Gold Mineralization in the Kirkland Lake Larder Lake Area; p59-65 in Genesis of Archean Volcanic-Hosted Gold Deposits, Symposium held at the University of Waterloo, March 7, 1980, Ontario Geological Survey, MP97, 175p.
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Satterly, J.

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- 1953: Geology of the North Half of Holloway Township, Cochrane District; Ontario Dept. of Mines Annual Report, Vol. LXII, part VII, 1953, pl-38; with accompanying Map No. 1953-4.

PERSONNEL

Stephen W. Conquer 261 Third Avenue Timmins, Ontario P4N 1E8

Mike Simunovic 261 Third Avenue Timmins, Ontario P4N 1E8 December 1, 1985 - December 20, 1985 January 6, 1986 - February 21, 1986

December 1, 1985 - December 20, 1985 January 6, 1986 - February 21, 1986

CERTIFICATE OF QUALIFICATIONS

- I, Stephen Conquer hereby certify:
 - that I am a geologist employed by David R. Bell Geological Services Inc., 261 Third Avenue, Timmins, Ontario
 - 2. that I am a graduate of the University of Waterloo, holding a Bachelor of Science degree (1979)
 - 3. that I have been practising my profession as a geologist since 1979
 - 4. that I do not have nor do I expect to receive either directly or indirectly, any interest in this property or the securities of Mission-Harker Exploration Ltd.

February 21, 1986 Timmins, Ontario

CERTIFICATE OF QUALIFICATIONS

I, Mike Simunovic hereby certify:

- that I am a geologist employed by David R. Bell Geological Services Inc., 261 Third Avenue, Timmins, Ontario
- that I am a graduate of Lakehead University in Thunder Bay, holding a Bachelor of Science degree in Geology (1983)
- 3. that I do not have nor do I expect to receive either directly or indirectly, any interest in this property or the securities of Mission-Harker Exploration Ltd.

February 21, 1986 Timmins, Ontario

Mike Simunovic, B.Sc.

ACKNOWLEDGEMENTS

The firm of David R. Bell Geological Services Inc. would like to express their appreciation to the following companies, without who's assistance the successful completion of this program would not have been possible.

- 1) Norex Drilling
- 2) Bell-White Laboratories
- 3) Henry T. Gonzales Linecutting Services
- 4) American Barrick Resources Corp.

APPENDIX I
ASSAY RESULTS FROM DIAMOND DRILLING



Bell - White analytical laboratories Ltd.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

39160 NO.

DATE:

December 18, 1985

SAMPLE(S) OF:

Core(60)

RECEIVED: December, 1985

SAMPLE(S) FROM:

Mr. S. Conquer, David R. Bell Geological Services Inc.

PROJECT: 6256

Sample No.	Gold gram	Sample No.	Gold gram
0001	0.21	0031	1.10
2	3.98*	2	0.07
3	Trace	3	0.07
4	Trace	4	0.07
2 3 4 5 6 7	Trace	3 4 5 6 7	Trace
6	Trace	6	0.21
7	Trace		0.14
8 9	Trace	8	Trace
	Trace		Trace
0010	Trace	0040	0.07
1	Trace	1	Trace
2	Trace	2	Trace
3	Trace	3	Trace
4	0.07	4	Trace
1 2 3 4 5 6 7	Trace	2 3 4 5 6 7	Trace
6	Trace	6	Trace
7	0.69		0.07
8	0.34	8	0.34
9	0.75	9	0.55
0020	0.89	0050	Trace
1	2.81	1	Trace
2	1.58	2 3 4 5 6 7	Trace
3	0.07	3	Trace
4	0.55	4	Trace
5	0.41	5	Trace
6	Trace	6	Trace
7	0.07	7	0.07
1 2 3 4 5 6 7 8 9	0.48	8	0.14
•	Trace	9	Trace
0030	0.07	0060	Trace

* Checked.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

N ACCORDANCE WITH LONG-ESTABLISHED NORTH MERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED THERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPEN-ATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.



Bell-White analytical laboratories Ltd.

P.O. BOX 187,

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO.

41310

DATE:

December 31, 1985

SAMPLE(S) OF:

Core(51)

RECEIVED: December, 1985

SAMPLE(S) FROM: Mr. Stephen Conquer, David R. Bell Geological Services Inc.

PROJECT: # 6256

Sample No.	Gold gram	Sample No.	Gold gram
0061	Trace	0000	
2	Trace	0089	Trace
3	Trace	0090	0.07*
4	Trace	1	Trace
5	Trace	2	Trace
4 5 6 7	0.21	3	Trace
7	Trace	4	0.07*
8	0.27	5	Trace
9	Trace		
0070	Trace	6 7	Trace
1	Trace		0.07*
2	Trace	8	0.07*
3	Trace	9	3.15**
4	0.07*	0100	0.62
5	0.07*	1	0.41
2 3 4 5 6 7	Trace	2	0.41
	0.07*	3	0.21
8	0.55	4	0.55
9	0.41	5	
0080	_0.27		1.37
1	Trace	6	0.69
2	Trace	7	0.48
3	Trace	8	0.41
2 3 4 5 6 7	0.07*	9	6.62**
2	0.07*	0110	2.74
7	Trace	1	3.77**
8	Trace	*	J.,,
O	Trace		

* Estimated. ** Checked.

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Park Service S



Bell - White analytical laboratories Ltd.

P.O. BOX 187,

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO.

0104

DATE:

January 14, 1986

SAMPLE(S) OF:

Core(46)

RECEIVED:

January, 1986

SAMPLE(S) FROM:

Mr. M. Siminovic,

David R. Bell Geological Services Inc.

PROJECT: 6256

Sample No.	Gold gram	Sample No.	Gold gram
112	Trace	135	0.96
3	Trace	6	Trace
4	0.07*	7	0.07
5	Trace	8	0.21
6	Trace	9	Trace
4 5 6 7 8 9	Trace	140	0.41
8	Trace	1	0.07
9	Trace	2 3	Trace
120	Trace	3	Trace
1	Trace	4	Trace
2	Trace	4 5 6	Trace
3	Trace	6	Trace
1 2 3 4 5 6 7	Trace	7	Trace
5	Trace	8	Trace
6	0.21	9	Trace
7	Trace	150	Trace
8	Trace	1	Trace
9	Trace	2	Trace
130	Trace	2 3	0.07
	Trace	4	Trace
1 2 3	Trace	4 5	Trace
$\bar{3}$	0.14	6 7	Trace
4	3.53**	7	0.75

^{*} Estimated.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

^{**} Checked.



Bell - White analytical laboratories LTD.

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HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

0133

January 20, 1986

SAMPLE(S) OF:

Core(46)

RECEIVED: January, 1986

SAMPLE(S) FROM: Mr. M. Simunovic, David R. Bell Geological Services Inc.

PROJECT: # 6256

Sample No.	Gold gram	Sample No.	Gold gram
0158	0.07*	0181	Trace
9	0.41	2	Trace
0160	0.49	3	Trace
1	Trace	4	Trace
2	Trace	5	Trace
3	Trace	6	Trace
4	0.07*	7	Trace
5	0.07*	8	Trace
6	Trace	9	Trace
7	Trace	0190	Trace
8	Trace	1	Trace
9	Trace	2 3	Trace
0170	Trace	3	Trace
1	Trace	4 5	Trace
2	0.07*		Trace
3	0.07*	6	Trace
4	0.34	7	Trace
5	Trace	8	Trace
6	Trace	9	Ţrace
7	Trace	0200	Trace
8	0.21	1	Trace
9	Trace	2 3	Trace
0180	0.07*	3	Trace

^{*} Estimated.

N ACCORDANCE WITH LONG-ESTABLISHED NORTH MERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED THERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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P.O. BOX 187,

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO.

0159

DATE: January 24, 1986

SAMPLE(S) OF:

Core(29)

RECEIVED: January, 1986

SAMPLE(S) FROM:

Mr. M. Simunovic, David R. Bell Geological Services Inc.

PROJECT: 6256

Sample	No.	<u>Gold</u>	gram
0204		Tra	
5			.41
b 7		Tra	
5 6 7 8			ace
8		Tra	
-			.48
0210			. 07* . 75
1		Tra	
2			.41
<i>3</i>		Tra	
5			.07*
6			.07*
7			. 27
1 2 3 4 5 6 7 8			.41
9		Ō.	.69
0220			. 96
			.75
2			. 75
3			.48
1 2 3 4 5 6 7 8			.41
5			. 34
6			. 27
7			.75
8			ace
		Tra	
0230			ace
1 2		112	ace .61**
2		2	• OT v v

^{*} Estimated. ** Checked.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER A

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.



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TEL: 672-3107

Certificate of Analysis

NO.

0177

DATE:

January 29, 1986

SAMPLE(S) OF:

Core(71)

RECEIVED:

January, 1986

SAMPLE(S) FROM:

Mr. Stephen Conquer, David R. Bell Geological Services Inc.

PROJECT: 6256

Samp.No.	Gold gram	Samp.No.	Gold gram	Samp.No.	Gold gram
0233	0.69	0257	0.41	0281	0.07*
4	0.14	8	0.41	2	Trace
5	0.48	9	0.21	3	0.07*
6	0.21	0260	0.07*	4	0.07*
7	0.07*	1	0.21	5	Trace
8	0.07*	2	0.27	6	0.21
9	Trace	3	1.23	7.	Trace
0240	14.26**	4	1.58	8	Trace
1	19.17**	5	1.37	9	Trace
2	0.82	- 6	5.28**	0290	Trace
3	0.27	7	0.27	1	0.07*
4	0.27	8	0.07*	2	Trace
5	0.55	9	Trace	3	0.07*
6	0.14	0270	Trace	4	Trace
7	Trace	1	0.21	5	Trace
8	Trace	2	Trace	6	Trace
9	0.27	3	Trace	7	Trace
0250	0.21	4	Trace	8	Trace
1	0.14	5	0.07*	9	Trace
2	0.82	6	0.27	0300	Trace
3	0.07*	7	0.21	1	Trace
4	0.48	8	0.82	2	0.07*
5	0.07*	9	0.07*	3	0.07*
6	0.89	0280	Trace		

^{*} Estimated.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED DTHERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

^{**} Checked.



Bell - White analytical laboratories Ltd.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO.

0203

DATE: February 4, 1986

SAMPLE(S) OF:

Core(63)

RECEIVED: January, 1986

SAMPLE(S) FROM:

Mr. M. Simunovic, David R. Bell Geological Services Inc.

PROJECT: 6256

Sample No.	Gold gram	Sample No.	Gold gram
0304	0.48	0336	0.14
5	0.27	7	0.48
6	0.07*	8	0.96
7	0.21	9	1.03
8	0.41	0340	5.49**
9	0.21	1	6.72**
0310	0.62	2 3 4 5 6 7 8	0.41
1	0.34	3	0.96
2	0.27	. 4	0.62
3	0.75	5	0.41
4	0.34	6	0.41
5	0.27	7	0.34
6	0.96	8	0.62
1 2 3 4 5 6 7	0.48	9	4.42**
8	0.75	0350	4.97**
9	0.96		5.83**
0320	1.65	1 2 3 4 5 6 7	1.17
	0.55	3	0.27
1 2 3 4 5 6 7	0.14	4	0.48
3	0.48	. 5	0.27
4	0.41	6	0.41
5	0.34	7	2.74
6	0.21	8 9	2.13
7	9.22**	9	5.25**
8	5.76**	0360	0.34
9	0.62	1	1.65
0330	1.44	2	1.23
1	0.14	3	1.17
2 3	6.17**	2 3 4 5 6	2.06
3	0.62	5	1.10
4	0.14	6	0.96
4 5	0.34	- · · · · · · · · · · · · · · · · · · ·	
-	•		

* Estimated.

** Checked.

N ACCORDANCE WITH LONG-ESTABLISHED NORTH MERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED THERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENATE FOR LOSSES AND GAINS INNERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Pen D

DIAMOND DRILL HOLE RECORD

Project	6256	Harker	Twp.	

Company <u>Mission Harker Exploration Ltd.</u>

Hole No. 6256-85-1

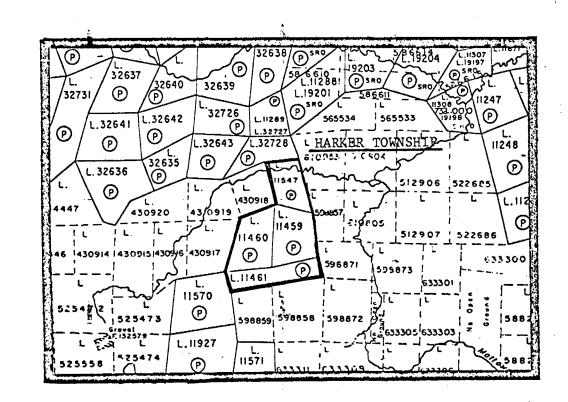
LOCATION	DIP TEST		LEVEL Surface	HORIZONTAL COMPONENT 102.00m	STARTED Dec. 8/85	
AREA or TWP.	FOOTAGE	RECORDING	GLE CORRECTED		VERTICAL COMPONENT 120.75m	DATE FINISHED Dec. 11/85
Harker Twp.	0.00m 19.50m		-50° -47°	ELEVATION 4991.96	BEARING 360°	LOGGED BY Stephen Conquer
L11547	91.44m 152.40m		-46° -47°	LATITUDE L25+00W	LENGTH 152.40	to test gold PURPOSE bearing horizon
NTS UTM 32D12				DEPARTURE 1+75N	CORE MMNR Kirkland Lake	TOT. RECOVERY 99.9%

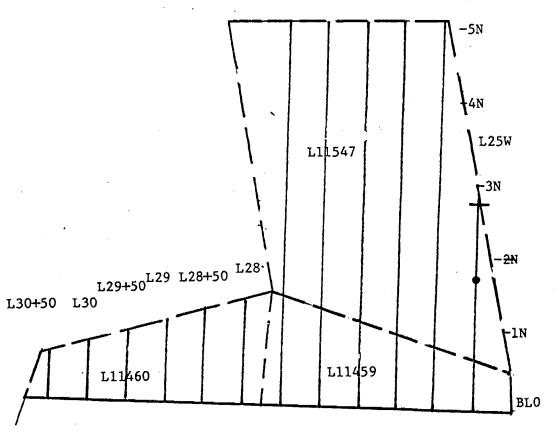
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP scale: 1 to 31680

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES $_{\text{Scale:}}\ 1$ to 5000

Signature Ache Confi-

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256-Harker Twp.

Company Mission Harker Exploration Ltd. Page 1 of 6

FOOTAGE		E S	% HIDES	SAMPLE				ANALYTICAL RESULTS							
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIE	NUMBER 6256	FROM	то	LENGTA	Au g/t						
 0.00		Overburden - casing left in hole Basalt -well structured flows with vfg-cg sections in massive flows, also basal flows and flow top breccia present -gn-bl in colour and higher magnetic zones associated with the db cold sections 19.40-34.68: f-mg mass flow, gn-gygn -locy epi, qtz and cb filled fractures with dominant angles @ 48 and \$58° TCA -tr-1% disseminated py, non-mag -leucoxene overgrowths noted locy ? Fault Zone @ 24.90-25.42m, now pervasive cb altn, with grit-clay material @ 25.10m			<i>52.</i> 70				<i>BI</i> . 2						
	-A(1)	-fault orientation ? 15° TCA -rubbled core 34.68-35.47: fg-vfg massive flow 35.47-35.86: flow contact zone ?, 1-3% py disseminated, locy to 7% 35.86-40.92: fg-vfg massive flow, dkgn-bl -locy mag, cb and epi fractures fillings -py 1-3%, locy up to 5% as disseminations and in fractures 35.86-36.55: intensely sid-hemd, locally minor bxn-altn centered around qtz-feld vn @ 36.02m with degree and intensity decreases up and down section -relict chlc gn clots surrounded by pur hemd material, which is surrounded by pur-gy sid material		1 - 3	0001	35.47 35.86									

DIAMOND DRILL HOLE LOG

PROJECT 6256-Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-85-1 Page 2 of 6

	FOOT	AGE		2 S S	SES		SAMP	LE				ANA	LYTIC	AL RE	SULTS)	
FR	ROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t	GW						
		-	-py 7-10% as f-mg disseminations and aggregate masses in chlc remnants and fractures -generally py shows cubic shape -lower section shows wh-pa gn colour instead of pur-gy -cb in fractures		-												
		1	36.55-40.92: variably sid-hemd zone, 32% sin-dk gn with pu col in sid sections -locally brick red strongly hem -locally mag cb in fractures -py 1-3%, locy up to 5% -crude foln or fractures @ 40° TCA		1-3 1-3 1-3 1-3 1-3	0004 0005 0006	36.55 37.55 38.55 39.52 40.54	38.55 39.52 40.54	1.00 0.97 1.02	tr tr tr							
		i i	40.92-41.25: mafic dyke-gy gn pervasively cb'd, sharp lower contact, upper contact lost in rubble		tr	8000	40.92	41.25	0.33	tr			•			t	
41	25	50.07	Foliated Basalt -f-vfg variably foliated unit gn to gngy with local pu (hemd) sec -foln planes hild by wispy ygn micaceous material probably stress related -foliation also highlighted by cbn -py 1-2% -foliation @ 42° -micro fractures show displacement, top block up, bottom block down -44.86-44.97 sid-hemd (py) dyke sharp contacts and have wt feldspar phenocrysts		1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	0010 0011 0012 0013 0014 0015 0016	44.25 45.23 46.25 47.25	43.25 44.25 45.23 46.25 47.25 48.25 49.25	1.00 1.00 0.98 1.02 1.00 1.00	tr tr tr tr 0.07 tr							
50.	.07	2.84	Silicified Zone intensely silicified (95-100%) and hemd locally dold most intense alth shown by pa bn to hon cold dold sections, with hemd sec being shown by pur colour		10-13 20-25	0018 0019 0020 0021		51.95 53.05	1.05	0.75 0.89	0.79 0.98	ا ٦	2.17g 1.86m	/t		÷	

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>

HOLE No. 6256-85-1 Page 3 of 6

FOOTAGE		is S	Sac		SAMP	LE				ANA	LYTICA	L RESU	ILTS	
FROM TO	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t						
	-altn fracture bx controlled with intense bxn to intense altn -py content averages 1-3% as fg disseminations locally up to 20-25% and in fractures and clots -main fractures @ 35° and 70° and main @ 45° TCA -fractures late cb filled and may show doln with dold halos into hemd rock -non-mag, locy massive cpy sections			× - ×										
	-locy rubbled 50.07-54.80m 50.07-53.05: 40% dold after hemn, py avg 15%, 51.20 fault zone 53.05-53.94: 70% doln, but also shows relict or retrograde chl and min pervasive cbn -foln @ 53.94m to 40° 53.94-62.18: hemd, with only minor doln along and as halos to fractures -cb filled fractures, with local minor pervasive cbn		15-20 3-5 3-5 3-5 3-5 3-5 3-5 3-5	0024 0025 0026 0027 0028 0029	53.94 54.91 55.95 56.97 57.97 58.99 59.99 60.97 61.58	54.91 55.95 56.97 57.97 58.99 59.99 60.97 61.58 62.18	0.07 1.02 1.00 1.02 1.00 0.98 0.61	0.07 0.55 0.41 tr 0.07 0.48 tr	0.07 0.56 0.41		0.79.7			
	-intensity of sin decreased down section 62.18-62.84: dold (70%) hemd, sid, 30% py		30%	0031	62.18	62.84	0.66	1.10	0.73					
62.84 66.52	Variably Silicified Basalts -fg pur, variably sid basalts, highly hemd, strongly mag from 64.95 -very similar to above section from 53.94-62.18 except sin weakly developed locally and no doln -py 1-2% -foln or fractures @ 50° TCA @ 62.75		1-2 1-2 1-2 1-2	0034	62.84 63.84 64.84 65.84	63.84 64.84 65.84 66.52	1.00 1.00	0.07 0.07						

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-85-1 Page 4 of 6 **FOOTAGE** SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** Au NUMBER 6256 FROM (alteration, structure, mineralization) FROM TO g/t 66.52 207.15 Basalt -vfg-mg flows from massive to flow top bx -66.52-89.51: f-mg gygn, strongly mag flows -eip and cb fractures -locy min hemn-sin-bxn i.e., 77.40 @ 20° TCA and 2-3 0036 77.83 0.50 0.21 77.33 82.20 @ 20° TCA with minor doln -79.03-81.85: fault zone - rubbled and weathered 82.90 1.00 0.14 3-5 0037 81.90 core with clay-grit 89.51-92.56: Flow Top bx - aph, srnd-ang fragments 89.51 90.51 1.00 tr 1-3 0038 0039 in fg matrix 1-3 90.51 91.51 1.00 tr -bx frag hemd-sid and vesicular 92.56 1.05 0.07 3-5 0040 91.51 -also secondary hemd-sid bx zones i.e., 91.75 @ 25° TCA 92.56-107.15: fing massive flow, gygn, mag tr-1% py -only locally mag below 106.70 107.15130.12 Variably Silicified Basalt -f-mg massive flow as above, except now shows 1-3 0041 108.00 | 109.001.00 | tr moderately - well developed fracturing that locally 109.00 | 110.001.00 | tr 1-3 0042 approaches bxn 1-3 0043 110.00 | 111.001.00 | tr -in these bxd zones weakly developed hemn-sin is noted along with py up to 4% 123.78 | 124.78 | 1.00 tr 1-3 0044 -best @ 109.00-110.00m 1-3 0045 124.78 | 125.78 | 1.00 tr 1-3 0046 125.78 | 126.78 | 1.00 tr 107.15-cb qtz filled shear-bx zone @ 20° TCA 130.00 @ 35° TCA - foliation

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Two.

HOLE No. 6256-85-1 Company Mission Harker Exploration Ltd. _Page ____5___of ___6_ FOOTAGE SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** GW Au **FROM** NUMBER (alteration, structure, mineralization) FROM TO g/t 6256 130.12 144.12 Transitionally Silicified Basalt -hemn-sin and min doln is developed to a greater degree than variably silicified basalt noted above, especially sin and doln 131.30 1.18 0.07 0047 130.12 -sin averages 10-15% being generally concentrated 132.04 0.74 0.34 0.25 131.30 10-15 0048 in more bxd zones 10-15 0049 133.020.980.550.54 1.72 132.04 133.96 0.94 tr -this zone is more highly foliated, with foliation 5-7 0050 133.02 planes averages 50-60° TCA 1-3 0051 133.96 134.96 1.00 tr -py content ranges from tr to 15-20% locally 1 - 3135.96 1.00 tr 0052 134.96 -doln @ 130.25 and 131.70m -where altn is low rock is echlc gn -clay seams 1mm @ 133.01m @ 60° TCA 2cm @ 136.47 @ 65° TCA 1mm @ 137.50 @ 55° TCA lmm @ 138.84 @ 55° TCA 6mm @ 138.93 @ 55° TCA composite 1cm @ 139.04 @ 55° TCA 6mm @ 139.21 @ 55° TCA 133.96-135.96: chlc sec, sin less than 5% 135.96-139.90: Sin not intense but averages 30%. 3-5 0053 135.96 | 136.991.03 137.98b.99 pv 3-5% 0054 136.99 -sin with hemm, min dol and ser is found in narrow 3-5 0055 138.930.95 137.98 zones up to 1cm between foliation planes 3-5 0056 138.93 139.90b.97 139.90-144.12: altn as sin (well developed) up to 140.901.00 0.07 10-15 0057 139.90 60% with hemn and moderately developed doln and 10-15 0058 140.90 141.911.01 0.14 min sern, py 10-15% 0059 141.91 142.911.00 10-15 -bxd - only locy foliated 10-15 0060 142.91 144.121.21

DIAMOND DRILL HOLE LOG

6256 Harker Twp. PROJECT _

Mission Harker Exploration Ltd.

6256-85-1 HOLE No. .

	FOOT	AGE		28.8	S3(SAMP	LE				ANA	LYTIC	CAL R	ESULT	3	
F	ROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH				-				$\overline{\mathbf{I}}$
14	44.12	152.40	Basalt -pillowed fg flow, gn with dk gn chlc selvages, non-mag, weakly foliated @ 40° TCA @ 144.50														
15	52.40		End of Hole							-							
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DIAMOND DRILL HOLE RECORD

Project 6256-Harker Twp.

Mission Harker Exploration Ltd.

Hole No. 6256-85-2

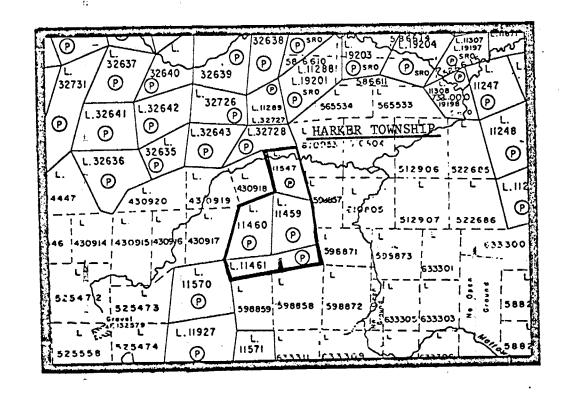
LOCATION		DIP TEST		LEVEL Surface	HORIZONTAL COMPONENT 155.00m	DATE STARTED Dec. 20/85
AREA or TWP.	FOOTAGE	RECORDING AN	GLE CORRECTED		VERTICAL COMPONENT 162.00m	DATE FINISHED Jan. 7/86
Harker Twp.	0.00 60.96	-50°	-50° -47°	ELEVATION 5005.50	BEARING 360°	LOGGED BY Stephen Conquer
L11547	121.92 182.88		-46° -44°	LATITUDE L25+62.5W	LENGTH 224.64	to test gold bearing PURPOSE horizon
NTS 32D/12 UTM	224.64		-43°	DEPARTURE 1+18N	CORE MMNR core library	TOT. RECOVERY 99.9%

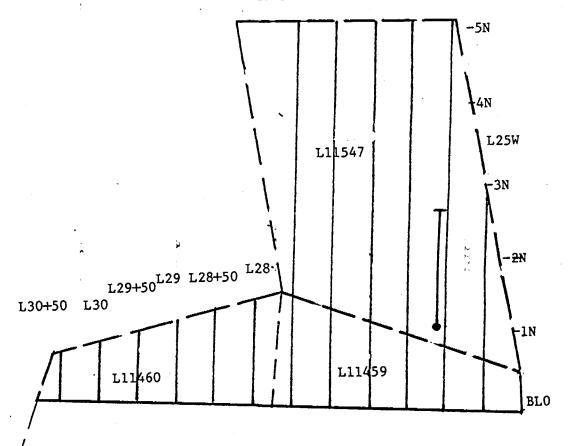
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP Scale: 1 to 31680

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES Scale: 1 to 5000

Signature /

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256 - Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-85-2 Page 1 of 6

F00	TAGE		္လလ္	ES		SAMP	LE			 ANAL	TICAL	RESUL	.TS	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER 6256	FROM	TO	ENGTH	Au g/t					
0.00	3.04	Overburden - Casing left in hole												
3.04	81.38	Basalt -gy to gygn, mainly non-magnetic well structured flows, grading from vfg to cg locally -flow top bx shows subrounded to subangular vesicular frags and are locally variolitic and show hyaloclastite basal flows show indistinct bx fragments and minor flow foliations		***			•							
		3.04-7.67: f-mg massive flow 7.67-8.22: f-vfg massive flow 8.22-8.60: basal flow, f-vfg subrounded to angular fragments in chlc matrix												
	- L	8.60-15.91: flow top breccia, f-vfg, subangular to subrounded, vesicular fragments in chlc, variolitic, hyaloclastite matrix py locy 2-3% 15.91-25.81: fg-vfg massive flow 25.81-30.89: f-mg massive flow				1:								
		30.89-31.43: f-vfg massive flow 31.43-37.44: flow top breccia, angular to subrounded fragments, vesicular, hyaloclastite 37.44-81.38: fg-vfg massive flow 49.35-50.42: weakly-moderately mag 60.04-60.25: sample for whole rock												
				£		jų .	A							

PROJECT 6256 Harker Two.

DIAMOND DRILL HOLE LOG Company <u>Mission Harker Exploration Ltd.</u> HOLE No. 6256-85-2 Page 2 of 6 FOOTAGE ANALYTICAL RESULTS SAMPLE CORE ANGLES TO AXIS ROCK TYPE AND DESCRIPTION GW Aun TO FROM (alteration, structure, mineralization) NUMBER FROM TO g/t 6256 3.04 | 81.38 Basalt cont'd 37.44-81.38: fg-vfg massive flow cont'd 80.05: py increase to 2-3%, plus locally magnetic to 81.38m 81.38 98.30 Sediments 81.38-98.00: greywacke - fg, gy-gngy -upper contact weakly alt'd by above basalt -variably bedded - 40° TCA @ 81.60m -25° TCA @ 89.30m -py averages 1-2%, with up to 3% locally and 88.47 1.00 0.07 tr-1% cpy tr-1 0097 87.47 89.47 1.00 0.07 -moderately to strongly magnetic locally 0098 88.47 -minor cb in bedding planes with local pk colour suggest K-spar alt'n i.e., 89.30m -bedding planes locally highlighted by wispy micaceous 95.30 | 96.30 | 1.00 | 0.07 0158 96.30 | 97.30 | 1.00 | 0.41 material-possibly sericite suggests shear developed tr-1 0159 foliation 97.30 | 98.30 | 1.00 | 0.49 tr-1 0160 -late randomly oriented fractures are qtz-cb filled and locally show sid holes i.e., 87.70m - late cb fractures locally @ 90° to bedding -98.00-98.30: argillaceous with graphite which grades to greywacke 98.3d104.3d Silicified Zone - Sediments -intensely sid (95-100% sin) -101.00m: becomes moderately to well fractured with narrow bx zones -bedding @ 45° 1CA @ 98.38m 45° 98.30 | 99.30 | 1.00 3.15 3.15 -py'7-10% as disseminations and fracture fillings 7-10 0099 99.30 | 100.30 | 1.00 | 0.620.62 -clav seams 0100 101.60m @ 42° TCA - 1mm 100.30 | 101.30 | 1.00 | 0.41 | 0.41 7-10 0101 101.73m @ 65° TCA - 1mm 101.30 | 102.30 | 1.00 | 0.41 | 0.41 7-10 0102 102.43m @ 45° TCA - 2cm - clay-grit 103.30 1.00 0.210.21 102.30 |7-10|0103 7-10 0104 103.30 | 104.30 | 1.0d 0.55b.55

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

_Page ___3___of ___6 HOLE No. 6256-85-2 Mission Harker Exploration Ltd. Company _ FOOTAGE **SAMPLE ANALYTICAL RESULTS** CORE ANGLES TO AXIS ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) NUMBER FROM t. TO FROM TO g/t 6256 104.30109.05 Silicified Zone - Basalts 105.30 | 1.00 | 1.371.37-contact poorly defined 104.30 7-10 0105 105.30 | 106.30 | 1.00 | 0.67 | 0.67 7-10 0106 -becomes intensely (very fine) bxd -hem'n-dol'n becomes apparent 7-10 0107 106.30 | 107.30 | 1.00 | 0.48 | 0.48 7-10 107.30 | 108.30 | 1.00 | 0.41 | 0.41 0108 -continuation of above zone 108.30- 109.05 0.75 6.624.97 7-10 0109 1,89gm 8.22m 2.98gm 4.22m Variably Silicified Basalt 109.05112.0d 109.05 110.05 1.00 2.74 -f-vfg massive flow, gngy to gn locally mag 0110 0157 110.05 | 111.52 | 1.47 | 0.75 -alt'n and bxn has decreased from above si'd zone 111.52 112.52 1.00 3.77 1% -only locally sid (approx. 5%) with hem'n-dol'd 0111 associated with bxn 112.00183.92 Basalt -gn to pa gn flows, well structured from vfg to cg, 112.52 | 113.52 | 1.00 tr tr 0161 114.52 1.00 tr 113.52 with flow top and basal flow sections, moderately to 0162 tr 115.52 1.00 tr strongly magnetic locally 0163 114.52 112.00-130.14: f-vfg massive flow as variably sid basatl above but lacks bxn-altn -locally magnetic 130.14-136.00: f-mg massive flow, locally mag 134.84-135.53: intermediate to mafic intrusive 136.00-147.76: m-cg massive flow 147.76-149.07: f-mg massive flow 149,07-150.84: **f**-vfg massive flow

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-85-2 Page 4 of 6

	FOOT	AGE	DACK TURE AND DECORPORATION	ភិឌិនិ	Sign		SAMP			I		ANALY	TICAL	RESUL	TS	
1.	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER 6256	FROM	то	ENGTH	Au g/t						
 						0230			 	2/6			_	-		
			150.84-154.37: basal flow, f-vfg rnd fragments,		tr-1	0112	150.84	151.37	0.53	tr						
			locy mag to 154.37	1	1 .	0113		152.37			ĺ	-	j			
			2007 228 00 20 1007		1	0114	152.37	:					•			1
		1		1	i .	0115	153.37		1			-				
1		ł		1								-				
		,	154.37-172.42: flow top bx, dk gr aph matrix, with		tr-1	0116	154.37	155.37	1.00	tr	1	1	}.			1
			f-vfg round to subrounded locally hem'd vesicular		tr-1	0117	155.37	156.37	1.00	tr		1	1			
	l		fragments, py variable as fg disseminations and in		tr-1	0118	156.37	157.37	1.00	tr			- 1			
			fractures tr-3%, moderately - strongly mag		tr-1	0119	157.37	158.34	0.97	tr						}
İ					tr-1	0120	158.34	159.35	1.01	tr						ł
1					tr-1	0121	159.35	160.55	1.20	tr	,	1				
1.		.			tr-1	0122	160.55	161.14	0.59	tr						1
-		7	ri .												-	
		·	160.55-161.14: ,sid-cbd bx z @ 20° TCA non-mag			0123	161.14						ļ.			
1.					tr-1	0124	162.11	1								
-		-	161.14-163.12: weakly sid locally		1	0125	163.12						1.			
			172.00 : 2-3mm clay seam @ 50° TCA		tr-1	0126	164.14	165.15	1.01	0.21		ı				
1					į		•	ŗ					1			1
	1		172.42-183.92: f-vfg, pa gn to pa gn-gy massive		t								į,			
			flow locally minor bxn and weakly hem'd with vfg		Ţ			۴	ŀ				ſ			1
		1	dk gn chlc matrix		;			,								
			-strongly magnetic		-					İ						
			-cb fracture fillings very thin & translucent		ĵ								- 1			
		1	-py locally 1-2% appears as late fr and void		!				! .							
			fillings		Ŧ		1]			1				- 1
]	-locally shows weakly developed foliation i.e.,		!						İ	Ì	1			
			182.80m @ 40° TCA highlighted by hem in foliation		t								Ì		1	
i					1							İ				
	183.92	189.22	Variably Silicified Basalt		ł						ļ					
-			-variably mag, shows variable degrees of bxn and								.		ľ			
			altn increases down section		í		1					ı				
		l			t		'									
<u> </u>		-	183.92-187.71: poorly bxd as opposed to foliation		2-3	0127	183.92	185.01	1.09	tr						
		İ	in above section 182.66-183.92m, weak sin locally		,		1									
T		- 1	with hemn-doln 184.63-184.72m		1											
1		- 1	· ·	1	:								ļ			
1		1			ţ		1	<i>,</i> •							1 1	1
ı		1	£	- I		l	1	l	1				t			

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u> HOLE No. 6256-85-2 Page 5 of 6

	FOOT	AGE		s: s	ES		SAMP	LE				ANAL	YTICAL	RESULT	s	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t						
			187.71-189.22: poor-moderate bxn with minor increase in altn		tr-1	0128 0129	187.71 188.63	I .								
·	189.22	201.36	Transitionally Silicified Basalt													
			-f-vfg, variably bxd rock shows varying degrees of alt'n with sin averaging 20-25% of the rock but is poorly developed													
æ		i.	189.22-197.03: dominantly dk gn-locally pur with pa bn sections -pur colour due to the presence of hem while pa bn due to dol		1-2 1-2 3-5 5	0131	190.14 191.16	190.14 191.16 192.15 193.12	1.02	tr tr	£		***			
Lu.		7	-dol indicates increased alth which coincides with increased bxn and generally higher py		5-7 3-5	0134	193.12	194.10	0.98	3.53	3.46		$\frac{9}{3}$			
-		-	-sin poorly developed with respect to intensity but averages 30% -pervasively cbd with cb filled fractures -py 3-5% locally up to 20% -locally mag		3-5 3-5	0136 0137	195.15	i	1.00	tr						
		y	-clay seams @ 25° TCA @ 189.22m - 1mm @ 50° TCA @ 193.16m - 4mm													
			197:03-201.36: sin weakly developed averaging 5-10% in bxd fragments -possible retrograde alteration of above zone -foliation imparted by orientation of fragments		1-2 1-2 1-2 1-2	0138 0139 0140 0141	197.03 198.00 199.00 200.00	198.00 199.00 200.00 201.36	1.00 1.00	tr 0.41	0.41					
'a **		; 	and wispy micaceous material @ 50° TCA @ 198.20m -chloritic matrix -most fragments cbd, very minor mag locally -clay seam 198.76m @ 30°TCA		r ,		e									
		-	The second position of the second position of													
		,				·										

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-85-2 Page 6 of 6

FOOTAGE	DOOK TYPE AND DECOMPTON	ES ES	255		SAMP					NALYT	ICAL R	ESULTS	
FROM TO	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t	-				
201.36205.55	Foliated Basalt -pa gn-gn f-vfg, weakly foliated to, moderately-well fractured, with cb in fractures, weakly mag locally -foln @ 50° TCA @ 202.00m -205.35-205.55 Fault Zone - numerouc chlc - clay												
	seams -205.35 @ 50° TCA lcm clay seam -205.55 @ 50° TCA 2cm -204.47 clay grit seam @ 20° TCA		4.			,							
205.55208.91	Transitionally Silicified Basalt -as described above 197.03-201.36 with degree of altn and bxn decreasing down section -5-10% sin		1÷2 1-2		205.57	206.55							-
208.91213.06	Foliated Basalt -gn-dkgn (locally) moderately foliated decreases down section -foln highlighted by cb and wispy micaceous material along foliation planes -@ 212.25m foln @ 50° TCA												
213.06224.63	Basalt -gn-dkgn, f-vfg rock locally weakly foliated near upper contact, disappearing down section -@ 224.10 minor epid -mody mag locally below 215.73		£1 £1		ſ								
224.63	END OF HOLE				3								

DIAMOND DRILL HOLE RECORD

Project 6256 Harker Twp.

Company	Mission	Harker	Explor	ation	Ltd.
COHIDAHA					

Hole No.	6256	<u>-85-3</u>	
	DATE	- 4	

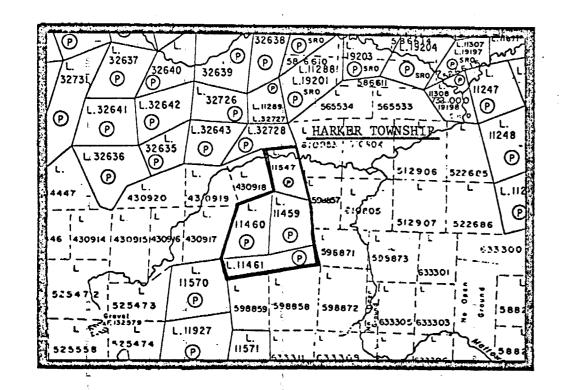
LOCATION		DIP TEST	*	LEVEL	Surface	HORIZONTAL COMPONENT 101.50m	DATE STARTED Dec. 15/85
AREA or TWP.	FOOTAGE	RECORDING	GLE CORRECTED			VERTICAL COMPONENT 121.50m	DATE FINISHED Dec. 18/85
Harker lownship	0.00m 13.72m	-50°	-50° -49°	ELEVATION	5001.00m	BEARING 360°	LOGGED BY Mike Simunovic
CLAIM NO. L11547	76.20m 152.40m		-48° -46°	LATTTUDE	L26+50W	LENGTH 152.66m	PURPOSE to test gold bearing horizon
NTS 32D/12 UTM				DEPARTURE	1+80N	core core library LOCATION Kirkland Lake	TOT. RECOVERY 99.9%

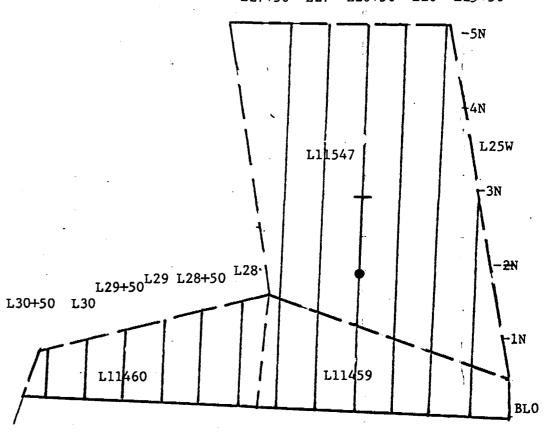
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP scale: 1 to 31680

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES scale: $1\ \text{to}\ 5000$

ignature ////

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

HOLE No. 6256-85-3 Page 1 of 8

	F00	TAGE		S S	SES		SAMP	LE				ANALY	TICAL F	RESUL	rs	
1	FROM	~ TO	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t						
	0	11.58	Overburden: casing left in hole							8, 5						
	11.58	12.3	Argillaceous Metasediments													
			-graphitic, possible boulder -1-2% py, locally 5% in clots and stringers -foliation ≈ 20° -some cubic py	20°	5%											
			<u>Sample</u> - 6256-0061			0061	11.58	12.3	.88	tr						
-			graphitic sediments1-2% py, locally 5% in clots and stringers		4						м					
	12.3	74.15	Basalt		-											
-		-	<pre>-aphānitic flows - fine grained green-grey composed of pyroxene and amphibole -chlorite on slip planes</pre>		-			-			-					
			-no foliation -qz-carb fracturing various directions, dominant is ☎ 65° -flow top breccia present here -persists for △ 30' -chlorite filled seams, fractures, fragments -localized silicification - <1% py, 2-5% locally where silicification and	65°	٠.				And the second s							
-			fracturing are more abundant -some vesicles present -possible that a couple of minor flows exist here										•			
			Sample - 6256-0062		·	0062	12.3	13.3	1	tr			T .		}	
		-	-silicified basalt not highly -1% py, 2-5% locally -qz-carb fracture filling												.,	

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

HOLE No. 6256-85-3 Page 2 of 8

ſ		FOOTAGE				Sign	SAMPLE				ANALYTICAL RESULTS									
		FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% ULPHIDES	NUMBER	FROM	то	LENGTH	Au		GW							
ł						ಶ				\$	e/t.	1								
				<u>Sample</u> - 6256-0063			0063	13.3	14.3	lm	tr									
	_		_	-same as 0062																
				Sample - 6256-0064 - same as 0062			0064	14.3	15.3	lm	tr									
- 1				-215.8 possible pillow salvages		_														
				- \$15.9 5cm qz-vein		45°														
			į.	-same alteration occurs from 18.7-21.77 -some hematite staining in places here				!												
			i F	Sample - 6256-0065			0065	18.7	19.7	1m	tr	•								
				-same as 0062																
	Mi.		-	<u>Sample</u> - 6256-0066			0066	19.7	20.7	lm	.21									
				-same as 0062																
			-	Sample - 6256-0067		1	0067	20.7	21.77	1.0%	tr									
ļ				-same as 0062				ſ												
				-at 21.77 flows become fine to medium grained massive, no foliation, no carb. very slightly magnetic locally		,i		-												
			ř	-27.3-27.9 localized silicification (not high) -dominant fracture direction 65-80°	65-80															
)	-28.43-29.56 silicified no apparent reason, 1-2% py 2-5 locally		1-2		·	-											
				-local carb assoc. with pyrite																
				-28.93 qz-carb infilling may be reason for silic.																
													:							

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

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HOLE No. <u>6256-85-3</u> Page <u>3</u> of _

	F001	AGE		ı sı sı	ES.		SAMP	LE			ANA	LYTIC	AL RE	SULTS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	* SULPHIDES	NUMBER	FROM	то	Au g/t	GW					
		-	<u>Sample</u> - 6256-0068			0068	28.43	29.56				•		-	
			-silicified section -l-2% py 2-5% locally -carb present		1-2										
			-30.37 2, 2cm qz-carb veins 57° -some epidote present on contacts of qz-carb fractures -flows contain clots of py -at 33m fracturing drops off -picks up again at 39	57°						!					
-		-	- ≥ 39 minor mafic clots in core - ≥ 40.12-41.32 pervasively carb section -gradational, no obvious contacts coarser grained		-		-	7		i i			-	ſ	
			-50.0 mafic flow top breccia begins -50.0 to 57m fractured, fragments present, epidote in fractures -mafic vesicles, qz-carb stringers present -≈55m fracturing filled with py and po 20%, 10cm in			-				11.				A	
			width -≥58m narrow pyritic seam ≥ 60m core becomes locally magnetic (moderate magnetic) -weak brecciation persists -magnetism persists to at least 69m		20%										
	74.15	84.59	-74.15, Alteration Zone breccia zone? -sheared, foliation 75m 62° -breccia fragments present	62°											
,			-locally hematized and silicified -relatively soft -carbonatized fragments in a chloritic matrix gives the appearance of pervasive carbonatization because of the numerous tiny fragments		**			,							
			-traces of py throughout -shearing and brecciation probably due to faulting		,										

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

HOLE No. <u>6256-85-3</u> Page 4 of 8

Γ		FOOTAGE			ES	SES	SAMPLE				ANALYTICAL RESULTS							
	!	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	-						
	-			-a clay seam appears at 74.47 <u>fault</u> -another seam appears ta 75m <u>fault</u> -some fragments also silicified -some sericitic wisps present along foliation -79.46 possible <u>fault zone</u> core ground and broken, no angle possible -potassic alt. here	57° 70°	Ÿ								1				
				-foliation 79m -locally magnetic also	60°	e e								,				
	}		1	<u>Sample</u> - 6256-0069			0069	73	74	1	tr	4		**				
	÷		• •	-flow top breccia, minor silic. and tr. pyrite locally 1-2%		-								•				
	-		~ -	<u>Sample</u> 6256-0070			0070	74	75	1	tr	- ,						
				-locally hematized and silic. zone -brecciated, shearing -carbonatized fragments -sericitic wisps along foliation -tr py		tr												
				Sample - 6256-0071 -same as 0070			0071	75	76	lm	tr							
				Sample - 6256-0072 -same as 0070			0072	76	77	1m	tr							
			.*	Sample → 6256-0073 -same as 0070			0073	77	78	lm	tr							
			-	Sample - 6256-0074 -same as 0070			0074	78	79	1m	07							
				Sample - 6256-0075 -same as 0070			0075	79	80	1m	.07.							

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-85-3 Page 5 of 8

	F001	AGE		SS	SES		SAMP	LE				AN	ALYTI	CAL R	ESULT	s	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	GW						
			Sample - 6256-0076 -same as 0070			0076	80	81	1m	tr							
·		-	-81.43 clay seam possible fault -84.21 clay seam possible fault -84.4' foliation	59° 50° 50°												-	
			Sample - 6256-0077 -same as 0070			0077	81	82	lm	.07	.07						
-		· .	Sample - 6256-0078 -same as 0070			0078	82	83	lm	.55	.55		-				
-		-	Sample - 6256-0079, -same as 0070 t		<i>*</i>	0079	83	84	1m	.41	.41	•					
-		r#	Sample - 6256-0080 -same as 0070			0080	84	84.59	.59m	.27	.16						
			-zone ends 84.59														
			Sample - 6256-0081: -basalt, hematized -slight carb			0081	84.59	85	.41m	tr							
			-no foliation -tr py		tr						ĺ			4			
. 1	84.59	120.0	Basalts - after zone are medium to coarse grained -locally carbonatized, many minor qz-carb fractures -after contact with zone at 84.59 core becomes magnetic -many qz-carb stringers and clots -main fracture direction is approxcore still slightly to moderately magnetic at 98.53	60°	-												
			-carb. alt. now more localized ->102 decrease in grain size ->101.2-102 hematized section purple hue to core, carbonatized here as well														

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

_Page __6___of __8_ 6256-85-3 HOLE No. _

-	FOO	TAGE		20	ES		SAMP	LE			ANA	LYTICA	AL RES	SULTS		
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t						
	120	133.5	- ≥ 102 magnetism drops off (local now) -after 102 core becomes a lighter shade of green -≥105.4 start getting what appears to be pillow salvages (epidotized_chloritic) -intensely fractured now, some qz-carb veining with potassic altdominant fracture direction approxafter 111 no pillows evident -114.26 clay seam fault? -not magnetic now -115-115.7 potassic alt. in fractures -locally silicified 2 Alteration Zone (Breccia?) -slight silicification of the core -hematized -foliated (lower section more highly) -upper section carb along foliation -some fragments evident -120.27 clay seam fault? -≥126m foliation -dolomitized frag. present as well Sample - 6256-0082 -slightly silicified, hematized zone -appears to have been brecciated -carb alttr py Sample - 6256-0083 -same as 0082 Sample - 6256-0084 -same as 0082	53° 45° 58° 52°	tr	0082	120	121	lm	tr tr						
l l	. I			j	1	i					 		1		L_	

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. _Page ____7__of ___8_ HOLE No. 6256-85-3 **FOOTAGE** SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** Au FROM TO NUMBER (alteration, structure, mineralization) FROM g/t .07 Sample - 6256-0085 0085 123 124 1m -same as 0082 Sample - 6256-0086 0086 124 125 1m tr -same as 0082 Sample - 6256-0087 0087 125 126 1m -same as 0082 -at 125.70m -foliation @ 40° to core axis -carb filled fractures strike NW-SE and dip approx. 80° Sample - 6256-0088 0088 127 126 1m tr -same as 0082 Sample - 6256-0089 0089 127 128 |lm tr -same as 0082 -@ 127.50m -foliation @ 25° to core axis -possible crenulation cleavage @ 60° to core axis plunge 80-85° to W -cleavage @ approx. 90° to foliation 90° Sample - 6256-0090 0090 128 129 1m -same as 0082 Sample - 6256-0091 0091 129 130 1m tr -same as 0082 Sample - 6256-0092 0092 130 131 lm tr -same as 0082 Sample - 6256-0093 0093 131 132 11m tr -same as 0082

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

 Company
 Mission Harker Exploration Ltd.
 HOLE No.
 6256-85-3
 Page
 8

 FOOTAGE
 SAMPLE
 ANALYTICAL RESULTS

	F001	TAGE		5.5	ES		SAMP	LE				ANAL	YTICAL	RESUL	ГS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t						
			Sample - 6256-0094 -same as 0082			0094	132	133	1m	•07	,					
		A.	-@ 132.20m -foliation @ 35° to core axis -crenulation cleavage 1) @ 85° to foliation, 65° to core axis west plunge @ 80°-75° 2) @ 50° to foliation, 35° to core axis east plunge?	35°												
€ ÷			Sample - 6256-0095 -same as 0082			0095	133	133.52	.52m	tr	la 				-	
-		•	-as reach bottom of zone, alteration decreases becomes more spotty, in all the zone is weakly altfoliation 133.4m -133.54 clay seam <u>fault</u>] McKenna -133.62 clay seam <u>fault</u>] Fault?	45° 60° 67°												
	133.52	152.66	Basalts				:		,							
			-fine to medium grained -grey-green magnetic -fractures -138-140.2 larger mafic clots -after this it fines out again -possible pillows	40°	e e								Martin Martin Statement of the Control of the Contr			
•			-150.6-151 silicified section 10% py -carbonatized Sample - 6256-0096 -silicified, carb section -10% py			0096	150.6	151.02	-42	tr			e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de			
			- ≈ 152 narrow 20cm breccia zone due to intrusion of qz-carb -end of hole 152.66								·		1 2 2			

DIAMOND DRILL HOLE RECORD

Project 6256- Harker Twp

Hole No. 6256-86-4

Company __ Mission Harker Exploration Ltd.

	LOCATION	-	:	DIP TEST	Ę	LEVEL	Surface	HORIZONTAL COMPONENT	131.50m	DATE STARTED JADUARY 9/86
AREA or	Name of the	*.	FOOTAGE	AN RECORDING	GLE CORRECTED			VERTICAL COMPONENT	148.00m	DATE FINISHED January 12/86
TWP.	Harker Twp.	:	0.00	RECONDING	-50°	ELEVATION	5000.00	BEARING	360°	LOGGED BY Mike Simunovic
CLAIM NO.	L11547		60.96 121.92		-49° -48°					to test gold horizon
			182.88		-46°	LATITUDE	L26+50W	LENGTH	198.12	PURPOSE and VLF-EM conductor
NTS 32	D/12 UTM					DEPARTURE	± 2+50N	CORE LOCATION	Core library Kirkland Lake	TOT. RECOVERY 99.9%

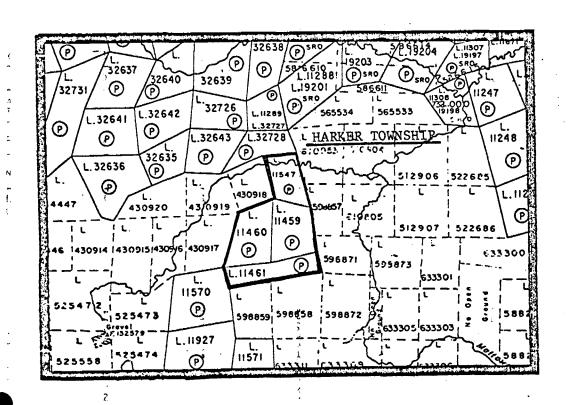
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP Scale: 1 to 31680

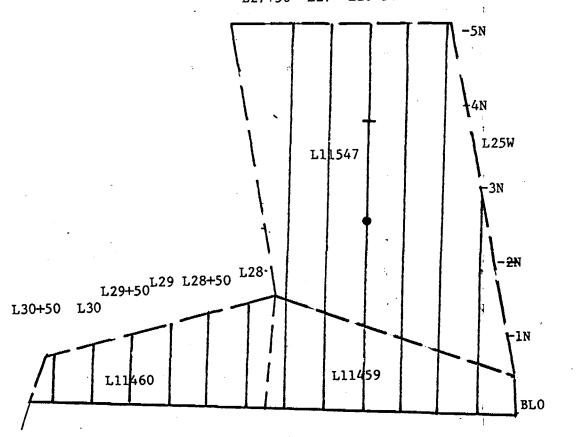
DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES

Scale: 1 to 5000

Signature Mile Symunorie

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>
HOLE No. <u>6256-86-4</u> Page <u>1</u> of <u>7</u>

	F00	rage		38.8	ES		SAMP	LE			 AN	ALYTIC	CAL R	ESUL	rs		
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	TO	ENGTH	Au g/t							_
	0	6.09	Overburden - casing left in hole														
	6.09	39.05	Basalts: (local fol., hem. and carb. along fol. minor loc. silic.) -fine to medium grained -pyroxene and chlorite rich -chloritic on slip planes -intensely fractured (irregular angles) -lucoxene growths -traces of pyrite		tr										~		
;		2	-foliated 6.4m -some pink potassic alt. assoc. with fracturing -some pyrite assoc. with this fracturing -local carb. alt.	53°	-		a									:	
		- -	-some hematitic alt. loc., also along some slip planes -10.lm, 5cm section of silicification, brecciation, carb in fractures, hematitic and potassic alt. also -5% py present -possible faulting, maybe assoc. with qz-veining -foliation llm -weakly magnetic almost throughout to 11.85	52°	5%		,										
			-11.85 to 16.5 flow top breccia fragments surrounded by chlorite and hematite, larger fractures are carb filled, some potassic alt. -after this flow becomes fine grained -12.75-12.45 zone of brecciation and silicification, hematitic purple hew -carb alt. in fractures -py content increased here 2-5% -12.92-13.1 zone of fracturing and potassic althematite minor silicification		2-5	0144	11 85	12.85	1m	ft pr					•		
			Sample - 6256-0144 -hem. and silic., brecciation -carb in fractures -2-5% py		2-5	0144	11.03	12.03	1111								

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Two.

Company <u>Mission Harker Exploration Ltd.</u> Page 2 of 7

	FOOT	AGE		" % &	S		SAMP	LE			 ANALY	TICAL F	RESULT	·s	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t					
			Sample - 6256-0145 -12.92-13.1 potassic altfract., hem., silic. minor -py 1%		1%	0145	12.85	13.6	.75¤	tr					
			Sample - 6256-0146 -same as 0145			0146	13.60	14.60	1.00	tr					
			Sample - 6256-0147 -same as 0145			0147	14.60	15.60	1.00	tr					
-		ž. #	-16.5m fracturing begins to die out -14.5 foliation 40°, not a true foliation but all fragments and fractures seam to be oriented at this angle (shearing?)		40									-	1
-		-	-218.0m fracturing intensifies once again (qz-carb filled) -still hem. in some slip planes -minor foliation imparted in certain sections 42°	42°											
			-preferred fracture direction 50° -26.0 to 26.62 coarsening of core no apparent contacts appears graded	50°		-									
			-possible dike -core still locally foliated with minor hem. along fol., also minor carb and silic. along foliation -this type of alteration continues to about 39.05m		-										
`		ż	-at 39.05m a 13cm fault zone exists -here a 4cm clay seam is located -this probably represents the McKenna <u>fault</u>	66°											
	and the second s	Ĭ.	-at 39.5 a minor 3.5cm clay seam exists fault	50°	٠										
		-	Sample - 6256-0148 -loc foliated bas, hematized, silicified, carbonatized associated with foliation, low py with increase with foliation			0148	33.00	34.05	1.05	tr					
									,						

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>
HOLE No. <u>6256-86-4</u> Page <u>3</u> of

	F00	rage		် လ လ	Ses		SAMP	LE			ANALYTICAL	RESULTS	3
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t			
			Sample - 6256-0149 -same as 0148			0149	34.05	35.10	1.05	tr			
			Sample - 6256-0150 -same as 0148			0150	35.10	36.09	.099	tr			
			Sample - 6256-0151 -same as 0148			0151	36.09	37.07	.098	tr			
			Sample - 6256-0152 -same as 0148			0152	37.07	38.16	1.09	tr			
.t		2	Sample - 6256-0153 -same as 0148		·	0153	38.16	39.12	0.96	0.07			-
-		-	Sample - 6256-0154 -same as 0148		-	0154	39.12	39.95	0.83	tr			·
	39.05	198.12	Basalt - basalts unaltered -no foliation -fine to medium grained rich in pyroxene -much less qz-carb fracturing than above core -40.97-41.31 qz-carb intrusion some potassic alt10% py in clots -minor hematite										
A		۸.	Sample - 6256-0155 -qz-carb intrusion -potassic alt. minor hem10% py			0155	40.97	41.31	.34m	tr			
•		~~	-core is weakly to moderately magnetic -preferred fracture angle == -local coarsening of grain size no contacts apparent 47m -teucoxene growths present -weakly to locally magnetic now -minor carbonatization also	40-50)°			·					

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>

HOLE No. 6256-86-4 Page 4 of 7

FOOT	AGE		្រីនិនិ	SES		SAMP	LE			ANALYT	ICAL R	ESULTS	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	* LPHIDES	NUMBER	FROM	70	LENGTH	Au				
		Autoritation, and action, minimum and actions,	∀ ⊬	SUI	NONDELL	FNOW	то	LEME	g/t		,		
		- □53m bleaching of core and fracturing due to intrusion of qz-carb - □55m get coarsening becomes medium grained - weakly magnetic to magnetic - not much fracturing - 64.8m becomes fine to medium grained - possible pillow selvages here as well - possible flow top, some vesicles now - □68m number of vesicles increases - many tiny dark vesicles (vesicular basalt) - some carb filled - core is no longer magnetic - some possible pillow selvages - vesicles end at 74m - after 74 core still fine to medium grained - possible that this sequence represents a series of thin flows - at 77.0m possible flow top, following this we have another series of thin flows varying from fine to medium grained - from 77.0m to 84.42m intense qz-carb veining - 80.82-80.92 thin section of 2-5% py, highly carbonatized, highly magnetic - 82.5 flow top again, fragments with interstitial chlorite - ○83.2 possible flow tube thin lcm foliated zone after which there is a marked increase in grain size compared to previous core - medium grained after 83.2m - 83.2-84.42 leucoxene growths present Sample - 6256-0156 - possible hydrothermal breccia zone - local silicification - potassic alt. in fractures - 2% py in clots - chlorite in fractures	5 2°		.0156	87.96	88.70	.74m	tr				

6256 Harker Twp. DIAMOND DRILL HOLE LOG PROJECT 6256-86-4 Page 5 of 7 Company Mission Harker Exploration Ltd. HOLE No. __ FOOTAGE SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** FROM TO NUMBER (alteration, structure, mineralization) FROM TO -94.2 10cm silic. section narrow 2cm qz-carb vein in centre -101.99-102.06 8cm qz-carb vein 32° -minor qz-carb veining also, epidote assoc. with this -114.37-115.13 porphyry dike (mafic) -upper contact 24° 27° -lower contact 27° -fine grained -contain porphyries of alkali feldspar -soft -pyroxene crystals evident, minor quartz -basalts follow again no chill margins evident -at 117.72 to 118.31 porphyry dike -same as that described 114.37 to 115.13 -upper contact 50° -lower contact -no chill margins -at = 118.31 basalts become medium to coarse grained. no flow top evident, appears after dike, same composition -at 124.62 to 125.25 prophyry dike -same as that described 114.37-115.13 -upper contact -lower contact -minor lcm chill margins, fine grained -once again back into coarse basalts -128-128.14 porphyry dike same as described 114.37-115.13 -upper contact -lower contact

129.1 to 153.2 flow top breccia excellent example

-many hyaloclastites visible

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-4 Page 6 of 7

	FOOT	AGE		Sis	ES		SAMP	LE		AP	VALYT	CAL P	ESULT	S	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	ENCIN						-
ř			-some vesicles evident in fragments -fragments exhibit chill margins and radial fractures -some potassic alteration associated with qz veining here 136 to 137 -varialites evident in some places -fragments are sub-angular to rounded -153.2 fine grained basalt -no apparent alteration -no magnetism -155.1 flow becomes fine to medium grained -some vesicles evident -160.62 flow becomes medium to coarse grained -plag. and pyroxene crystals visible -little to no qz-carb fractures -163.67 flow becomes coarse grained, plag. laths and pyroxene crystals easily seen with eye -173.56-180.15 flow bottom, basalt fine grained -contact	74°	ns.										
•			-some vesicle evident -no flow top brecciation -much more intensely fracture by qz-carb stringers, brecciation assoc. with this -some leucoxene growths -some large porphyries of plag. -180.15-184.77 flow top breccia -variolites and vesicles present -hyaloclastites -some fragments exhibit chill margins and radial fractures along them		•										

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>
HOLE No. <u>6256-86-4</u> Page 7 of 7

	FOOT	AGE			ES		SAMP	LE		,	ANA	LYTIC	AL RI	SULTS	
F	ROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	ENGTH						
			-184.77 fine grained basalt -186.5 hydrothermal brecciation evident end 187.06 -192.87-193.6 porphyry dike -same as described 114.37-115.13		-										
		.•	End of Hole 198.12												
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DIAMOND DRILL HOLE RECORD

Project 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

Hole No. 6256-86-5

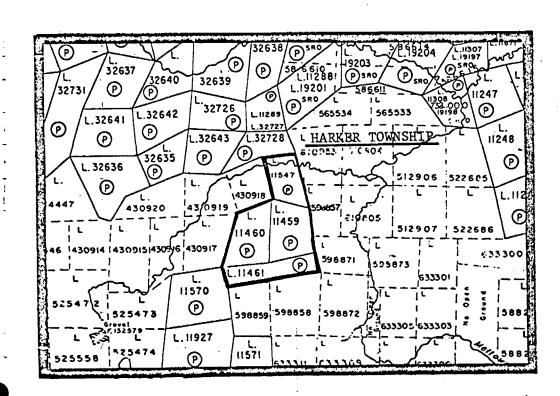
LOCATION	DIP TEST	LEVEL Surface	HORIZONTAL COMPONENT 100.50m	DATE STARTED Jan 13/86
AREA or TWP. Harker Twp.	FOOTAGE RECORDING	CORRECTED	VERTICAL COMPONENT 116.00m	DATE FINISHED Jan 15/86
CI AIMA NO	0.00	-50° ELEVATION 5002.00	BEARING 360°	LOGGED BY S. Conquer
L11547	79.86 140.82	-50° -46° LATITUDE L27+00W	LENGTH 152.40	PURPOSE bearing horizon
NTS 32D/12 UTM		DEPARTURE 1+75N	CORE COTE LIBRARY LOCATION Kirkland Lake	TOT. RECOVERY 99.9%

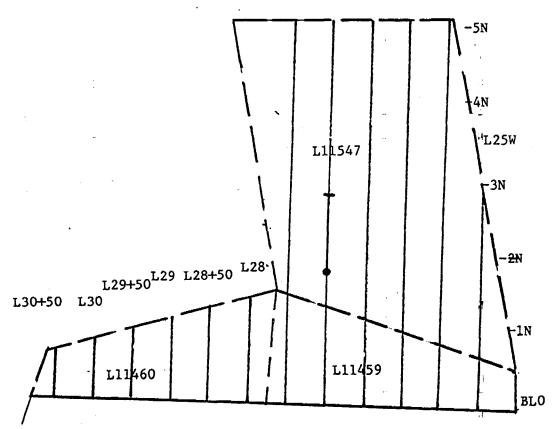
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP Scale: 1 to 31680

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES scale: 1/1 to 5000

Signature Styling Simunorie

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u> HOLE No. 6256-86-5 Page 1 of

	F00	TAGE			DES		SAMP	LE				AN	ALYTI	CAL R	ESULT	s		
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	* SULPHIDES	NUMBER 6256	FROM	то	LENGTA	Au g/t								
	0.00	18.90	Overburden - Casing left in hole		-						-							
	18.90	77.87	Basalt							İ							i	
		7127	<pre>-initially gy to gngy massive flows, epidotive filled fractures with minor cb and py -non-magnetic</pre>						September 1 - Marie 1 - Ma									
			18.90-23.58: f-vfg massive flow															
			23.58-35.66: f-mg massive flow				The state of the s											
•		S	25.12-31.06 broken and rubbled core -numerous epidote and cb fractures which show some weathering -clay-grit seams @ 27.38m and 31.00 -orientation possibly @ 35° TCA		-													
-		ī	31.06-31.27 cb-epidote-hemitite filled zone @ 30° TCA		-						-			•				
			35.66-38.00: m-cg massive flow															l
			38.00-48.45: f-mg massive flow 40.10- : feldspar phenocrysts, K-spar?		tr	0164	42.66	43.62	0.96	0.07								
		*	43.63-44.97 and 46.08-48.45 -Monzonitic Dykes with 1-3% py locally up to 5% -contacts of dykes and porphyritic flows locally cb'd with possible shear developed epidote		1-3 1-3 tr-1 2-3 2-3	0166 0167 0168 0169	43.62 44.64 44.94 46.08 47.08 47.85	44.64 44.94 46.08 47.08 47.85 48.45	0.30 1.14 1.00 0.77	tr tr tr tr				ening, ming pining managin dikind di darap kadapatah dan makan				
•		i	-footwall basalts show cb'd margin and no feldspar phenocrysts			0171	48.45	49.20	0.75	tr								
×		-			-						-							
	1												1	1		- 1		i

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

6256-86-5

F00	TAGE		នួន	SES		SAMP	LE			ANAL	YTICAL	RESUL	TS	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t					$\frac{1}{1}$
18.90	77.87	Basalts cont'd												
		48.45-72.50: f-vfg massive flow												
		50.82-51.15: monzonitic dyke												
		64.20m - degree of fracturing increases down section, epidote in fractures dominate to 70.25, carb in fractures dominate below this mark												
		72.50-77.87: basal flow-partly masked due to amount of fracturing and possible alteration			0172	76.89	77.87	0.98	0.07					
		-faint pale green (epidotized) round to subrounded fragments in a dk green matrix			•									
		72.50-73.40 wy mag 73.40-77.87 mody mag -clay seam @ contact @ 25° TCA				·								
77.87	79.00	Foliated Basalt											-	
		-distinctive feature is the "shear" developed foliation as represented by wispy green to brown micaceous material			0173	77.87	79.00	1.13	0.07					
		-green to pale brown colour -vfg -foliation @ 50° TCA @ 78.50m												
79.00	80.39	<u>Sediments</u>												
		-graded argillaceous - greywacke sequence		5	0174	79.00	80.39	1.39	0.34					
		-argillites are graphitic with 3-5% py as disseminations and nodular growths in bedding planes, well bedded		35										

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

HOLE No. 6256-86-5 Page 3 of 6

	F001	AGE		្តីខ្លួ	ES		SAMP	SAMPLE			AN	ALYTI	CAL R	ESULTS	
- *	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t					
	79.00 80.39	80.39	Sediments cont'd bedding @ 55° TCA @ 79.10m and @ 40° TCA @ 80.10m -greywackes massive but well fractured and in part may be silicified 5-7% py -fractures carb filled -these sediments lack shear developed fol'n which suggest that the stresses were taken up in the argillaceous sections -contact probably lost due to broken core Variably Silicified Basalts		5-7		80.39	81.38	0.99				,		
			-this unit is composed of round to subround circular to oblong cb'd fragments -in a vfg dk gn to bl non-cb'd matrix -the fragments are gy to purple gy, pale bn and pink and may exhibit a weakly developed sin (i.e., hardness) -purple colour caused by hem -pale bn colour caused by dol -gy colour caused by sin -pk colour caused by potassium -all fragments cb'd -above features suggest a late stage of alteration and deformation has in part obliterated an early sin-hem'n-don'n event 80.39-80.77: foliated section -y-gn wispy micaceous material defines foliation-shear planes @ 40° TCA -sid fragments present	40°	1-3 1-3 1-3 1-3 tr-1 tr-1 tr-1 tr-1	0176 0177 0178 0179 0180 0181 0182 0183 0184 0185	81.38 82.39 83.40 84.42 85.46 86.47 87.47 88.43 89.43 90.55 81.25	82.39 83.40 84.42 85.46 86.47 87.47 88.43 89.43 90.55 91.25 92.00	1.01 1.02 1.04 1.01 1.00 0.96 1.00	tr tr .21 tr .07 tr tr tr tr					

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-5 Page 4 of 6

	F001	AGE		S S	SES		SAMP	LE			AN	ALYTIC	CAL R	ESULTS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORI ANGLI TO AX	SULPHIC	NUMBER	FROM	то	LENGTH						-
	FROM 80.39	то	Variably Silicified Basalts cont'd 80.77-82.20: weakly bxd, with cbd fragments -well developed fragments @ 81.15-81.50m with weak foliation @ 50° 82.20-87.47: variably deformed i.e., degradation of fragments as described in synopsis foliation @ 83.65-48° TCA, @ 85.46-38° TCA -locally hem'd matrix 87.47-90.52: as described 80.77-82.20 90.52-92.00: as described 82.20-87.47 -alteration and bxn decreasing down section with alteration disappearing first Basalt -gn-dk gn flows from massive to bxd and foliated (sheared), lacks distinctive flow features, moderately magnetic locally 92.00-96.45: f-vfg flow, well fractured to locally bxd -fractures filled with cb-hem (pk-white colour) and hem (pur)	CORE ANGLES TO AXIS	1-3 1-2 1-2	0187			1.00	tr	AN	ALYTIC	CALR	ESULTS	
í.		· · · · · · · · · · · · · · · · · · ·	96.45-101.32: f-vfg foliated flow, foliation 45° @ 97.25m foliation planes delineated by wispy gn micaceous material, locy hem in foliation planes 101.32-102.72: f-vfg massive flow												
			102.72-105.78: foliated basalt "sheared" @ 35° TCA @ 104.45m												

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>

HOLE No. 6256-86-5 Page 5 of 6

	F001	TAGE		ES	* PHIDES		SAMP	LE				ANAL	TICA	L RESU	TS		
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIE	NUMBER	FROM	то	LENGTH	Au g/t							
-			105.48-124.97: f-vfg massive flow only locally magnetic in small bx z below 108.00m -cb filled fracturing increases below 118.00m			0100	126 01	127 01	1 00								
			124.97-127.01: f-vfg massive flow as above except shows faint purple colour from hematization		tr-l	0189	120.01	127.01	1.00	·							ĺ
			127-01-127.74: bxd flow with possible sid bx fragments below 127.40m		tr-1	0190	127.01	127.74	0.73	tr							
			clay seam 127.72 to 127.74m McKF possible @ 70° TCA								ŧ						ĺ
-	127.72	136.53	Alteration Zone - (Variably Silicified Basalt)		-						,		ļ				Ì
			-characterized by dominant purple colour due to hem, and near pervasive cbn		1-2 1-2	0191 0192	127.74 128.74		1	t .							
			-locally this zone appears to be just altered basalts, while elsewhere (i.e., 132.15m) core displays an intense bxn or mylonitization with		1-2 1-2 1-2	0193 0194 0195	129.74 130.78 131.79	131.79 132.79	1.01	tr tr						ļ	ſ
-			l-5mm fragments in a muddy matrix -py content bw average 1-2% locally to 5%		1-2 1-2 1-2 1-2	0196 0197 0198 0199	132.79 133.79 134.79 135.79	134.79 135.79	1.00 1.00	tr tr							
			-131.79-131.86m - chlc mud with small up to 3mm round bx fragments @ 55° TCA -wy developed foliation @ 50° TCA @ 133.76 -intensity of alteration and bxn decrease down section				-										
	136.53	138.21	Breccia Zone														
			-pervasive hemn lost by 136.53m -only locally -cbn confined to fractures, in foliation planes and to a lesser extent cbd bx fragments														
			-as above alteration (hemn) confined to fragments	1	tr-l tr-l	0200 0201	136.53 137.53										

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. _

HOLE No. 6256-86-5 Page 6 of 6

	F001	AGE		I S SS	OES		SAMP	LE				ANA	ALYTIC	CAL RI	ESULTS	5	
	FROM	. TO	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER	FROM	то	LENGTH								
	136.53	138.21	Breccia Zone cont'd -138.21 clay on fractures @ 55° TCA locally developed														
	138.21	139.2	Foliated Basalt		tr-1	0202	138.21	139.29	1.08	tr							
			-degree of deformation gradually decreases from bxn to foliation			0203	138.29			tr							
			-dkgn, f-vfg rock, no distinctive flow features		Ĺ		1.24 .74	140.36			·				-		
-		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-foliation @ 60° TCA @ 139.10m -foliation probably shear developed as shown by wispy y-gn micaceous material defining foliation with cbn between and causing deformation of foliations		,			į			-						
	139.29	152.40	Basalt														
			139.29-152.40: f-vfg generally massive flow, deformation from above zone now present only as cb filled fractures, that locy show a preferred orientation -dk gn -locy magnetic					31									
J			-locally small cb filled bx zones with hem locally i.e., 143.45 -a locally developed foliation @ 23° TCA @ 145.00m -below 146.50m massive locy fractured flows dominate		- 1			•			:				electric de la companya de la companya de la companya de la companya de la companya de la companya de la compa		
3		152.40	v		•						,		;				
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DIAMOND DRILL HOLE RECORD

Project 6256 Harker Twp.

Company Mission Harker Exploration Ltd.

Hole No. 6256-86-6

LOCATION	DIP TEST	LEVEL Surface	HORIZONTAL COMPONENT 72m	DATE STARTED Jan 17/86
AREA or TWP. Harker	FOOTAGE RECORDING CORRECTED		VERTICAL COMPONENT 168	DATE FINISHED Jan 20/86
CLAIM NO.	0.00 -70 -70° .60.96 -68°	ELEVATION 5009.5	BEARING 360	LOGGED BY M. Simunovic
L11547	121.92 -67° 182.88 -67°	LATITUDE L26+00W	LENGTH 191.05	PURPOSE horizon
NTS 32D/12 UTM		DEPARTURE 1+18N	CORE COTE library	TOT. RECOVERY 99.9%

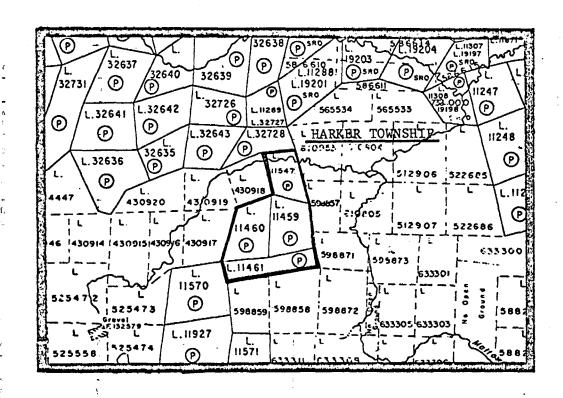
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP scale: 1 to 31680

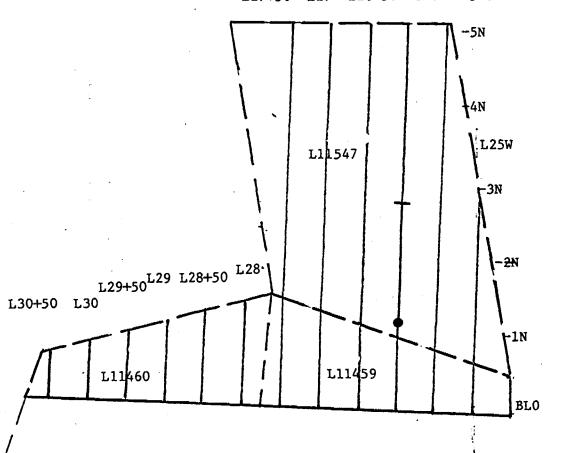
DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES

Scale: 1 to 5000

Signature Mibe Simuncire

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

6256 Harker Twp. **PROJECT**

6256-86-6 _Page ___1_ HOLE No.

Company Mission Harker Exploration Ltd. FOOTAGE SAMPLE ANALYTICAL RESULTS **ROCK TYPE AND DESCRIPTION FROM** TO (alteration, structure, mineralization) NUMBER FROM TO 0 6.70 Overburden: casing left in hole 6.70 83.50 Basalts - fine grained basalts, grey-green in colour, massive texture -very little qz-carb veining -tr py tr -composed predominantly of pyroxenes, chlorite on slip planes -at 11.70m they become fine-med grained -flows are non-magnetic, no alteration of any type is evident -15.77-16.24, monzonitic dike -no evidence of chill margins -upper contact varies -lower contact -≈ 22m core becomes medium grained - 29m core becomes medium to coarse grained -still none magnetic -massive -35.66-38.70m flow bottom -after this point basalts are fine grained -in some places fragments appear to have been welded together -38.70-50.90m flow top -brecciation evident -fragment noted with chill margins -variolites noted -epidote assoc. -possible pillow salvages noted -51:81-51.91 clay seam, fault zone? -upper contact -lower contact -for approx. .5m on either side of the fault, core is slightly hematized, and carbonatized in fractures, also appears to be brecciated.

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-6 Page 2 of 9

FOOT	AGE		ဟဟ္	ES		SAMP	LE			AN	ALYTICA	AL RESUI	TS	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	ENGTH	Au g/t					
		-tr py -this section of core is also magnetic Sample - 6256-0204 -brecciated, hematized fault zone -carb tr py		tr	0204	51.55	52.4	.85m						
	·	-after flow top ends at 50.90 a fine grained basalt exists Sample - 6256-0205 -qz-carb intrusion, minor loc. silic. assoctr py locally 20% -may be some possible pillow salvages but not many -some localized zones of hydrothermal brecciation			0205	54.6	55.6	1m	.41					
83.5	117.25	-75.65-76.30 possible flow tube, slight foliation at each end Sediments (Greywacke with Interbedded Siltstone- Mudstone -probable turbidite sequence -greywackes have rounded quartz crystals in a grey- green quartz and pyroxene rich matrix, clay minerals in matrix -tr py -84m foliation? bedding -85.2m bedding -at 86m to 89.3m Alteration Zone -variably silicified sections with some locally highly silicified sections -the highly silicified sections are honey brown (sericite?) in colour and appear to be brecciated	20° 30°	tr										

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>
HOLE No. <u>6256-86-6</u>

HOLE No. 6256-86-6 Page 3 of 9

	FOOT	AGE		"S S	SES		SAMP	LE			1	NALY	rical F	RESULT	s	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au						
					S			.0	P.	g/t						
			-carbonatization occurs in fractures -hematization varies in other portions of the zone -tr py occurs but it is concentrated in the honey brown sections where approx. 5-10% py occurs -this zone occurs within the sediments, relict bedding can be seen -some potassic alteration can be seen as well		5–10											
			Sample - 6256-0206 -greywacke, minor siltstone, no alt. evident		:	0206	85	86	1m	tr						
-		-	Sample - 6256-0207 -start of breccia zone -localized silic. and hemtr py		tr	0207	86	87	1m	tr						
-		-	-more concentrated with silic.		LI											
			Sample - 6256-0208 -brecciated honey-brown silicified section -5-10% py -hematized		5–10	0208	87	88	lm	tr						
			Sample - 6256-0209 -alt. dying out -localized hematization and potassic alt. in seds.			0209	88	89.3	1.3m	.48						
			Sample - 6256-0210 -seds, no obvious alt.			0210	89.30	89.97	.67m	.07						
		-	-86.3m bedding -88m foliation -89.3m bedding -90.52m bedding -91.50m bedding -92.30m bedding	27° 40° 37° 31° 39° 37°				•								

PROJECT 6256 Harker Twp. DIAMOND DRILL HOLE LOG Company Mission Harker Exploration Ltd. HOLE No. 6256-86-6 Page 4 of 9 **FOOTAGE** SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** NUMBER FROM TO (alteration, structure, mineralization) FROM TO -flame structures noted at 92.40m indicate that the rocks are overturned and the younging direction is down the hole -93.8 and 97m bedding fines in a down hole direction giving younging in a down hole direction -93.8 bedding 50° -95.0m bedding 20° -a flame structure at this point indicates an up hole: younging direction 29° -97m bedding -98m bedding 32° -99.9m bedding 30° 34° -105.50m bedding 102.56-117.95 Alteration Zone -within the sediments -102.56-104.66 variably silicified section -tr-2% py tr-21% -hosted within the greywacke -some minor honey-brown coloured sections, (sericite) carb in fractures -appears to be somewhat brecciated -104.66 the core becomes highly silicified (Main Silicified Zone) -104.66-105.44 appears to be a silicified greywacke -same as described 102.56-104.66 except that core is much more highly silicified -after 105.44 host rock appears to be a graphitic argillite -this host has been intensely brecciated and

silicified

transluscent nature

-silicification has occurred pervasively as well as

-these fractures can be identified by their grey to

within discrete breccia and fracture zones

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>
HOLE No. <u>6256-86-6</u> Page <u>5</u> of <u>9</u>

FOOT	AGE			ES		SAMP	LE				ANA	LYTIC	AL RE	SULT	s	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t		GW.					
		-other later fractures are white in colour and filled with carbonate -py occurs as a primary feature as well as fine disseminations within the breccia zones and siliceous fractures -no pervasive carbonatization is noted within the zone -the zone averages approx. 20%py -105.8 clay seam possible fault (McKena?) -within the Main Silicified Zone some sections appear to be more highly silicified than others, this can be seen as a higher degree of bleaching of the core, these sections are more intensely brecciated as well -less bleached sections appear to more highly exemplify the original rock Sample - 6256-0211 -variably silic. greywacke -tr-2% py	37°	20%	0211	102.56	103.51		0.	0	.71					
-		Sample - 6256-0212 -same as 0211			0212	103.51	104.66	1.15:	ıtr	o	.04	0.3	7			
		Sample - 6256-0213 -main silic. zone -highly silic. greywacke -tr-2% py			0213	104.66	105.44	.78m	.41	0	.32					
	7	Sample - 6256-0214 -silic. argillite -tr-2% py Sample - 6256-0215 -silic. argillite			0214	105.44					06		, ,			
And the second s		- 20% py														

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

_Page __6 ___of ___9 6256-86-6 HOLE No. __

Company Mission Harker Exploration Ltd. FOOTAGE SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** FROM NUMBER TO (alteration, structure, mineralization) FROM TO 107.02 | 107.83 | 81m | .07 Sample - 6256-0216 0216 -silic argillite with some more highly bleached sections due to brecciation - 20% py Sample - 6256-0217 0217 107.83 | 108.47 .64m .27 0.17 -same as 0216 0.37 108.47 | 109.37 .90m .41 Sample - 6256-0218 0218 -silic argillite, this section is more highly bleached due to increased brecciation and silica flooding - 20% py -109.25 slickensides, parallel core 10% Sample - 6256-0219 0219 0.88 -same as 0218 0.46 15.39 110.64 | 111.86 | 1.22 | 1.96 | 1.17 Sample - 6256-0220 0220 -same as 0218 111.86 | 112.69 83m | .75 Sample - 6256-0221 0221 0.62 -silic argillite - 20% py -from 112.69-117.95 the zone is a series of interbedded argillites and greywacke -117.95 is the end of the alteration -somewhere near the end of the zone is a contact between volcanics and sediments -approx the last meter of the zone is hosted in basalt, the contact has been obliterated by the alteration

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company __ Mission Harker Exploration Ltd. 6256-86-6 _Page ___7 ___of ___9 HOLE No. _ **FOOTAGE** SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** Au NUMBER FROM TO (alteration, structure, mineralization) FROM TO g/t Sample - 6256-0222 112.69 | 113.88 | 1.19m .75 b.89 0222 -silc greywacke -carb in fractures -20% py Sample - 6256-0223 113.88 | 114.33 | 55m | .48 0223 0.26 -silic argillite -20% py Sample - 6256-0224 114.33 | 115.14 | 81m | .41 0224 0.33 -same as 0222 Sample - 6256-0225 0225 115.14 | 116.13 | .99m | .34 | 0.34 -highly silicified argillite -same as 218 -some narrow honey-brown sericite Sample - 6256-0226 116.13 | 117.25 | 1.12m .27 0226 b.30 -interbedded argillite and greywacke, silic -20% py 117.25191.05 Basalt -exact contact obliterated by silicification -initially basalt is somewhat silicified and hematized -tr-2% py Sample - 6256-0227 0227 117.25 | 117.95 | 70m | .75 0.53 -silic. basalt hem tr-2% py Sample - 6256-0228 0228 117.95 | 118.88 | 93m | tr -basalt, 118.70 fracturing py assoc.

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>

HOLE No. 6256-86-6 Page 8 of 9

	FOOT	AGE		3 S S	SES		SAMP	PLE				ANAI	LYTIC	AL RES	SULTS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	(GW				
			Sample - 6256-0229 -unaltered basalt			0229	118.88	119.88		tr						
.,,			-initially basalt is fine grained -these grade to fine to medium grained 122.65m massive - 129.35 basalts become coarse grained -127.10 qz-carb vein 11° to core axis -some potassic alteration assoctr py -basalts are coarse grained to 135m -at 135m to 136.92 monzonitic dike -5-10% py throughout -upper contact -lower contact -lower contact -137 slickensides on core movement approx. 90° TCA (cross fault)	11 40° 45°	tr											
			Sample - 6256-0230 -monzonitic dike -5-10% py			0230	135	136	lm	tr						
			Sample - 6256-0231 -same as 0230			0231	136	136.92	92m	tr						
			-137 narrow qz-carb vein almost parallel to core axis -potassic alteration assocvein persists for almost .5m in length -after dike at 136.92 basalts are fine grained again -leucoxene growths from 136.92 to 139.29 -143.00 basalts grade to medium grained - 146.00 basalts become coarse grained - 147.00 start getting epidote assoc. with qz-carb fractures													
			Sample - 6256-0232 -qz-carb intrusions -minor silicification; 2-5% py assoc.			.0232	154.2	154.82	. 62m	2.61						

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-6 Page 9 of 9

F001	FAGE		្តស្ត	ES		SAMPI	LE			ANA	ALYTIC	CAL R	ESULT	s	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	* SULPHIDES	NUMBER	FROM	то	LENGTH							
		-≃168m qz-carb vein with py -very irregular													
		-176.7-179.6 possible flow top - flow bottom -evidence for brecciation and annealing -flow now very fine grained													
		- End of Hole 191.05													
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DIAMOND DRILL HOLE RECORD

6256 Harker Twp.

Company Mission Harker Exploration Ltd.

Hole No. 6256-86-7

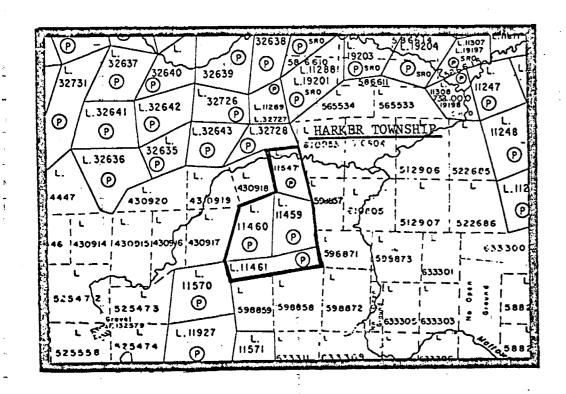
LOCATION		DIP TEST	LEVEL Surface	HORIZONTAL COMPONENT 157.00m	DATE STARTED Jan. 20/86
AREA or TWP. Harker Township	FOOTAGE	ANGLE RECORDING CORRECTED		VERTICAL COMPONENT 161.00m	DATE FINISHED Jan. 24/86
CLAMA NO.	0.00 60.96	-50° -46°	ELEVATION 5009.5	BEARING 360°	LOGGED BY S. Conquer .
L11547	91.92 182.88	-44°	LATITUDE L26+00W	LENGTH 225.55	rest strike extension PURPOSEOF gold zone, found in hole #2
NTS 32D/12 UTM	225.55	-45°	DEPARTURE 1+18N_	CORE LOCATION COTE library Kirkland	L. TOT. RECOVERY 99.9%

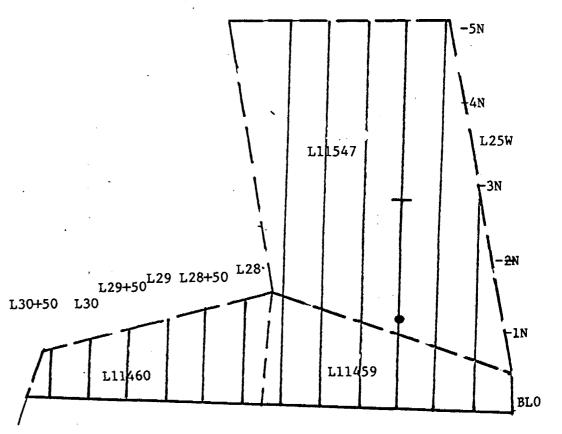
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP Scale: 1 to 31680

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES Scale: 1 to 5000

Signature / Signature minores

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256-Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-7 Page 1 of 8 FOOTAGE SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** Au NUMBER FROM TO (alteration, structure, mineralization) FROM TO g/t 6.70 0.00 Overburden: casing left in hole 6.70 51.63 Basalt -dkgn - gngy, v.f.g-c.g. flows showing flow top & basal flow bxd sections as well as the more dominant massive sections, locally magnetic to 20.8 strongly magnetic below 20.80m, py locally 1-2% 6.70-12.04: f-mg massive flow 12.04-12.26: f-vfg massive flow 12.26-12.80: basal flow - weak to moderate bxn 12.80-20.80: flow top bx - angular to rounded sid vesicular fragments in a chloritic matrix, locally variolitic and hyaloclastite 20.80-51.63: f-vfg, dkgn massive flows vesicular to 21.65m, late cb fractures, strongly magnetic 35.66-51.63: pagn colour overprints dkgn plus late chl filled fractures cut cb fractures - suggests bxn i.e., signifies the approach to the deformational 51.63 | 59.20 Variably Silicified Basalt -these basalts are the same as the above sections @ 35.66-51.63 with pagn colour, late chl fractures and strongly magnetic -local red streak from hem. -distinguished by localized zones of variable bxn, hem'n dol'n and sin with increased py from average tr-1%

DIAMOND DRILL HOLE LOG

PROJECT 6256-Harker Twp.

HOLE No. <u>6256-86-7</u> Page <u>2</u> of <u>8</u> Company Mission Harker Exploration Ltd. SAMPLE **ANALYTICAL RESULTS** FOOTAGE **ROCK TYPE AND DESCRIPTION** Au NUMBER 6256 FROM FROM TO (alteration, structure, mineralization) g/t 0233 1) 51.85-52.10m: weakly hem'd with 2-3% py 2-3 52.67 1.04 0.69 51.63 0.72 around cb fractures 2) 52.89-52.91: narrow weakly hem'd sid, 2-3% with 0234 2-31 53.74 1.07 0.14 0.15 52.67 35° сь @ 35° TCA 3) 53.10-53.14: cb'd - weakly hem'd dold sid. 30° 1-2 54.74 1.00 0.48 0235 53.74 0.48 3% py @ 30° TCA 0236 55.74 1.00 0.21 0.21 54.74 35° 4) 53.66-53.69: bx zone with hem'd 0237 55.74 57.00 1.26 0.07 0.09 -locally sid fragments in cb matrix base of bx zone sharp contact @ 1-2% py in cb rich fractures 5) 57.20-57.75: bx zone with angular to 3% 0238 57.00 57.950.950.07 0.07 subrounded hem'd-sid and locally dol'd fragments in dolc-ser'c-hem'c matrix, py 3-5% locally 1-2 59.20 1.25 tr 0239 57.95 0.04 7-10% in dold matrix, nonmagnetic, upper contact gradational with cb'd halos around cb fractures, lower contact sharp @ showing truncation of 53° bx, zone -contact @ 45° TCA 59.20 74.16 Transitionally Silicified Sediments 14.26 -15.92 -alt'd host is f-vfg, poorly to moderately bedded 60.201.0014.26 3-5 0240 59.20 3-5 0241 60.71 0.51 19.17 9.78 1.51m greywackes 60.20 5-7 61.37 0.66 0.82 0242 60.71 0.54 3-5 62.13|0.76|0.27 0.21 0243 61.37 63.09 0.96 0.27 0.26 0244 62.13 -the greywackes show 1-2mm qtz or fsp fragments 64.11 1.02 0.55 0.56 3-5 0245 63.09 0.14 locally i.e. 66.60m and tr-2% py 65.11 1.00 0.14 3-5 0246 64.11 0247 66.05 0.94 tr 0.03 tr-1 65.11 0.03 -bedding is locally highlighted by 1-2mm long 0248 66.05 67.050.01 tr 3-5 67.05 67.52 0.47 0.27 0.13 sericite flakes 0249 -unaltered rock varies from gy to gn (chlc) 5-7 68.52 1.00 0.21 0.21 0250 67.52 to dk gn to bl 3-5 0251 69.52 1.00 0.14 0.14 68.52 0252 69.52 70.24 0.72 0.82 0.59 70.950.710.07 0253 0.05 70.24

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-7 Page 3 of 8

FOOTAGE SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** FROM TO NUMBER (alteration, structure, mineralization) FROM TO 6256 -approx. 45-50% of this unit is sid-with intensity 5-7 70.95 71.86 0.910.48 0.44 0254 71.86 72.17 0.310.07 0.02 varying from moderate to dominantly strong 3-5 0255 5-7 73.18 | 1.010.89 0.90 0256 72.17 3-5 73.18 74.16 0.980.41 -altr types are hem-sin-doln 0257 0.40 -sin-hem'n gives a faint pur-gy colour to core as fracture halos, in bedding planes, in bx zones and as pervasive style altn -pa bn - orange red altn patches represent a further stage of altn as dol -with increased dol, py generally increased -dol as - central core in fractures that were previously alt'd - as almost pervasive alt'n where fracture density is high enough and in bx zones -no obvious relationship between alt'n and host rock -the best alt'd (intensely silicified) sections are found 1) 60.71-61.37 2) 62.13-63.09 4) 70.95-71.86 3) 67.52-70.24 5) 72.17-73.18¹ -bedding 1) 45° @ 59.50m 2) 40° @ 63.10m 3) 50° @ 65.50m 4) 52° @ 68.38m 6) 45° @ 74.50 5) 38° @ 72.30m 74.16 79.28 Silicified Sediments 75.16 1.00 0.41 -intensely (95-100%) sid and bxd argillaceous 7-10 0258 74.16 0.41 sediments, py averages 7-10% locy up to 20% 76.16 1.00 0.21 0.21 7-10 0259 75.16 77.16 1.00 0.07 0.07 7-10 0260 76.16 78.16 1.00 0.21 -primary py may locally average 3-5% with secondary 0.21 7-10 0261 77.16 78.86 p.70 0.27 0.19 or alth related by making up the rest 7-10 0262 78.16 79.28 b.42 1.23 7-10 0263 78.86 0.52

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-7 Page 4 of 8

F00	TAGE		ν <u>ν</u>	ES		SAMPLE			ANALYTICAL RESULTS								
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER 6256	FROM	то	ENGIN	Au t/g	GW							
79.28	81.62	Silicified Sediments cont'd -relict bedding locally observed through bxn 1) 45° @ 74.50m 2) 55° @ 78.20m 3) 45° @ 78.65m -late cb fractures -locally narrow section appear to have been dold i.e., 76.03-76.13 and 78.65-78.70m these locations also show elevated py content -highly bxd-sid sections are pale gy in colour -78.86-79.28m - weak pervasive cbn in a pa bn to y-bn rock - altn zone or contact zone -graphitic clay seam @ 77.60m @ 30° TCA with slickensides @ 35° across face with ridges on down hole side -minor clay seams 1-2mm thick - emerald gn @ 76.20m @ 15° TCA, 78.15 @ 50° and 78.65m @ 45° TCA		S	0230				T/g								
81.62	152.06	-host is f-vfg massive basalt -alt'n fracture-bx controlled with hemn preceding doln and only minor sin locy -strongly mag -tr-1% locally to 3% in altr-bxn zones -deformation altn decrease down section -host also displays faint pa gn colour which is a result of overprinting; plus chl filled fractures which suggests some degree of deformation (bxn) -identical to style of deformation - alt'n as described 35.66-59.20m Basalt -well developed flows showing well developed vesicular		1-2 1-2 1-2	0264 0265 0266	79.28 80.28 81.02	80.28 81.02 81.62	0.74	1.37	1.5 1.0 3 <u>.1</u>	$\lfloor \lfloor \frac{7}{2} \rfloor$.28 .76					

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>
HOLE No. <u>6256-86-7</u> Page <u>5</u> of <u>8</u>

	FOOTAGE			ii si si	ES		SAMPLE			ANALYTICAL RESULTS							
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	PHIDES	NUMBER	SER FROM	то	ENGTH	Au	G	J					
			(ditordion, structure, mineralization)	₹ F	S	6256	FROW	10	'EM	g/t							
			and variolitic flow top and basal flow sections. The flows range from vfg to mg and are gygn to gy in colour and moderately to strongly magnetic														
			81.62 - 118.66: f-vfg massive flow shows overprinting and vague bxn is described above in variably silicified basalts and from 35.66-59.20m -stops @ 88.90m -magnetic to 84.50m (moderate to strong) and locally mag below 84.50 -118.25-118.66: intermediate dyke highly mag, cb'd		tr-1	0267	81.62	82.60	0.98	. 27	0.2	26					
-		*	118.66-129.10: f-mg massive flow gn to gygn, locally mag												•		
-			120.05-3cm altn zone hemd-dold around cb fracture														
			129.10-146.73: f-vfg massive flow colour changes from gn-gygn to gy		1-2	0268	141.60	142.34	0.74	.07							
		1	-this gy colour and chl filled fractures suggest a	1)	tr-1	t	142.34										
			late weakly devd bxn as previously mentioned		1-2	0270	143.34										
		•	35.66-59.20m and 81.62-88.90m	1	L-2	0271	143.86									İ	
	į		-magnetic	1 :	tr-l	0272	144.95										
					tr-l	0273	145.94	146.65	0.71	tr					l		
			146.73-147.03: foliated basal flow @ 55° TCA 2-3% py, min sid fragments														
			147.03-148.85: flow top bx-aphanitic, vesicular fragments in a chlc-variolitic mtx, mag fragments subrounded to angular and with radial cooling fractures, py 1-2 locally 5%														
			148.85-150.93: f-vfg massive flow weakly mag locally														

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-7 Page 6 of 8

	FOOTAGE			ES ES	SES		SAMP	SAMPLE			ANALYTICAL RESULTS							
·	FROM TO	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	* SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t	GW								
			150.93-152.06: foliated basal flow @ bxd 151.88 to 152.06 weakly alt'd	30°	2-3	0274	151.57	152.06	0.49	tr								
	152.06	157.20	Sediments - Graphitic Argillites															
n -			-vfg-fg sediments, dominantly graphitic argillites with local section containing a higher % of clastic material -graphites generally well bedded i.e., 45° @ 154.77m, 40° @ 155.75m, 35° @ 156.68m -soft sediment deformation noted locally -primary py as growths in bedding planes and as fg dn 5-7% -cb fills voids in bedding planes and late fractures		5-7 5-7 5-7 5-7 5-7 5-7	0275 0276 0277 0278 0279 0280	152.60 153.60 154.60 155.60	152.60 153.60 154.60 155.60 156.35 157.20	1.00 1.00 1.00 0.75	.27 .21 .82 .07	0.27 0.21 0.82		3					
		-	-156.10-156.30 possible fault zone? ground and broken core		~													
	157.20	158.77	Silicified Sediments - Argillites															
		3	-as above except moderately to intensely bxd and intensely sid (95-100%) -py 7-10% py as fg disseminations -late cb fractures -clay seam @ 20° TCA @ 157.50m	•	7-10 7-10		157.20 158.03											
	158.70	160.34	Sediments - Argillites (graphitic)															
		-	-vfg, moderately to well bedded same as 152.06-157.20m -bedding @ 55° TCA @ 160m -py nodular growths, in bedding planes as fg diss.		5-7 5-7	0283 0284	158.77 159.75											
)	160.34	171.55	Variably Silicified Basalt -sin generally poorly developed -highly bxd and variably alt'd rock with sub-angular to subrounded frags.															

DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

HOLE No. 6256-86-7 Page 7 of 8

Company	<u> Mission</u>	<u>Harker</u>	Explorati	on Ltd.
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FC	ATOC	GE		<u>s. s.</u>	ES		SAMP	LE			Al	VALYTI	CAL R	ESULTS		
FROI	M	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	* SULPHIDES	NUMBER 6256	FROM	то	LENGTH	Au g/t						
			-foliation imparted by alignment of frags and "wispy" micaceous material (shear developed) @ 48° @ 160.90m													
			160.34-161.13: gn - pa yellow altd unit may have undergone "retrograde" altn or a further altn from intensely silicified and dolomitized rock		2-3	0285	160.34	161.13	0.79	tr						
			161.13-161.67: intensely sid "graphitic" argilites		7-10	0286	161.13	161.67	0.54	.21						
	· ·		161.67-163.51: as 160.34-161.13m foliation @ 50° TCA @ 162.23 -colour changes from pa gn to y to dk gn below 162.60		tr-1 tr-1	0287 0288		162.67 163.51								
			163.51-164.05: fg-vfg massive flow gn, late cb fractures		tr	0289	163.51	164.05	0.54	tr					-	
			164.05-166.88: as 161.67-163.51		tr tr tr	0290 0291 0292	165.05	165.05 166.05 166.88	1.00	.07						
160.	.341	71.55	Variably Silicified Basalt													
			166.88-167.96: as 163.57-164.05			0293	166.88	167.96	1.08	.07						
			167.96-171.55: as described 164.05-166.88 170.61: clay seam @ 20° TCA			0294 0295 0296 0297	167.96 168.96 169.96 170.96	169.96 170.96	1.00 1.00	tr tr						
171.	.5\$1	88.62	Basalt													
			171.55-188.62: f-vfg massive flow gn, locally magnetic -late cb fractures show preferred orientation (related to deformation) @ 45° TCA 175.46m			0298	171.55	172.55	1.00	tr						

DIAMOND DRILL HOLE LOG

Mission Harker Exploration Ltd.

PROJECT 6256 Harker Twp.

HOLE No. 6256-86-7 Page 8 of 8

FOOTAG	SE			ES		SAMP	LE				ANAL	LYTICA	AL RES	ULTS	
FROM T	ro	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDE	NUMBER 6256	FROM	то	LNGTH	Au g/t	p.s					
		clay seams @ 20° TCA - 172.60 unknown angle @ 172.30m rubbled core unknown angle @ 173.25m unknown angle 30° @ 173.75m 177.85m dk gn (chlc) zone has appearance of selvage			0299	187.67	188.62	0.95							
188.62191	1.73	Variably Silicified Basalt													
ě	And the second s	-gn to pa gn, variably bxd, hemd, sid, dold -the host is f-vfg basalt that has been bxd alter and the re-bxd leaving isolated dold-sid fragments (pa bn to orange) in chlc green and hem pur matrix, plus cb'd (white) frags -locally core is cb'd pervasively also late cb fractures -py tr-1% in chlc sections and 2-3% in hemc sections, 5-7% in dold sections		5% 2-3 3	0300 0301 0302	188.62 189.62 190.60	190.00	0.98	tr						
191.73 197	7.85	Foliated Basalt													
		-f-vfg, gr-pa gn variably foliated basalt with cb highlighting foliation planes -locally magnetic		tr-1	0303	191.73	192.73	1.00	0.07	***************************************					
197.85 225	5.55	Basalt													
ЕОН 225	5.55	197.85-219.38: f-vfg massive flow -strongly magnetic -locally epid fractures 219.38-219.55: foliated basal flow, mag 219.55-225.55: f-vfg massive pa gn, epid- vesicular flows with poorly developed top							-	L					

DIAMOND DRILL HOLE RECORD

Project 6256-Harker Twp.

Company <u>Mission Harker Exploration Ltd.</u>

Hole No. 6256-86-8

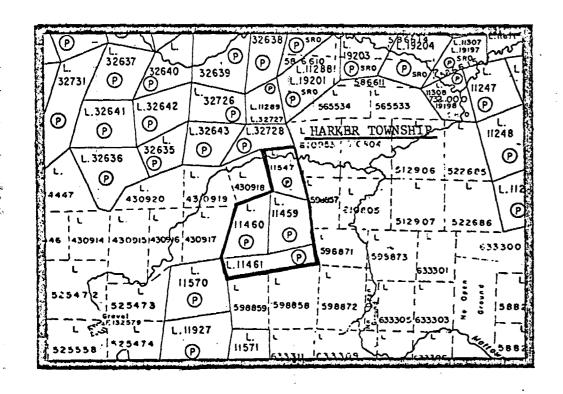
LOCATION	ť	DIP TEST		LEVEL Surface	HORIZONTAL COMPONENT 81m	DATE STARTED Jan. 25/86
AREA or TWP. Harker Twp.	FOOTAGE	RECORDING	GLE CORRECTED		VERTICAL COMPONENT 116m	DATE FINISHED Jan 28/86
CLAIM NO.	0.00 60.97		-60° -58°	ELEVATION 5012.5m	BEARING 360°	LOGGED BY M. Simunovic
L11547	121.95 152.40		-56° -54°	LATITUDE L26+50W	LENGTH 152.40m	PURPOSE to test strike extension of gold
NTS 32D/12 UTM				DEPARTURE 1400N	CORE LOCATION MMND Kirkland Lake	TOT RECOVERY ZONE found in hole 2

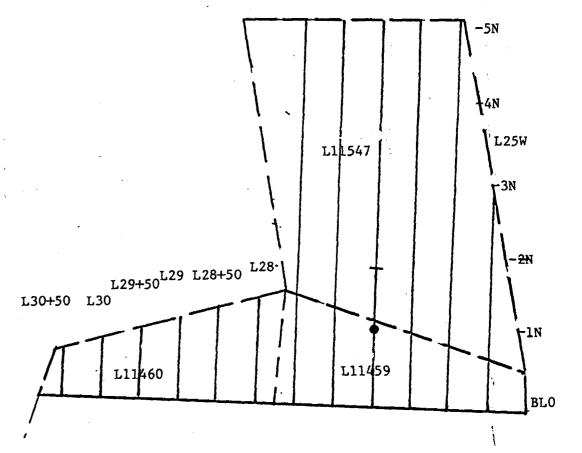
DIAMOND DRILL HOLE LOCATION SKETCHES CLAIM MAP Scale: 1 to 31680

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES Scale: 1 to 5000

Signature Merce Simunores
Stephen Congun

L27+50 L27 L26+50 L26 L25+50





DIAMOND DRILL HOLE LOG

PROJECT 6256 Harker Twp.

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FOO	TAGE		SS	% PHIDES		SAMP	LE				ANA	LYTICAL	RESUL	rs .	 \Box
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIC	NUMBER	FROM	то	LENGTH	Au g/t	GW					 \dashv
0 3.04	3.04	Overburden: casing left in hole Basalt - fine grained massive basalt composed predominantly of pyroxene = grey-green in colour = 3.04-5.18 extremely fine grained = 5.18 core gets slightly coarser still fine grained = 211.27 more qz-carb fracturing is evident (irregular) = some chlorite filled fractures as well = 21.27 becomes locally to slightly magnetic = 210.65 leucoxene growths begin to develop (these come and go) = no evidence of flow top or bottom is evident to indicate a possible series of thin flows = leucoxene persists until approx. 17.37m = also = 17.73 qz-carb fractures die out as well as magnetism	45° 34°		0304	15.2	16		.48						

DIAMOND DRILL HOLE LOG

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6256-86-8

Page 2 of 13 Company Mission Harker Exploration Ltd. HOLE No. **ANALYTICAL RESULTS** SAMPLE **FOOTAGE ROCK TYPE AND DESCRIPTION** GW Au NUMBER FROM то **FROM** TO (alteration, structure, mineralization) g/t -some brecciation and fragmentation can be noted -33.5 <u>flow top</u> -not very well developed -some brecciation can be seen -vesicles can be noted in some places -epidote is assoc. with the brecciation -ends approx. 37.79 -after flow top ends a fine grained basalt exists -46.58-48.65 - leucoxene growths in core -this section is also slightly magnetic -47.5-47.90 dioritic dike -top contact irregular -bottom contact -46.55-48.0m slight coarsening of grain size in basalt -48.55-50.80 chlorite filled fractures -54.6-2.5cm section of silicification and hematization. brecciation also -58.35 minor 5cm section with fragments which have been hematized and silicified py. assoc. 47° -60.70m localized foliated section Sample - 6256-03050305 61.09 62.09 .27 1m -61.4-61.75 carbonatized section in core 2-5% py -also qz-carb fracturing minor silicfication py assoc. 66.14152.40 Sediments -greywacke with interbedded argillites (mudstones) -no distinct contact is evident -no flow bottom evidence -greywackes are composed of a grey-green matrix with tiny round quartz pebbles -argillites are extremely fine grained -some qz-carb fractures are present, and potassic alt. is assoc. with some of these

DIAMOND DRILL HOLE LOG

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FOOT	AGE		35.5	SES		SAMP	LE				ANA	LYTIC	AL RE	SULTS	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	GW					$ar{f}$
		-bedding 68m -bedding 70.85m -minor offsets in bedding evident -bedding 72.23 -bedding 75.0m -bedding 76.5m -coarsening of beds here seems to indicate a down-hole younging direction -76.98 Alteration Zone begins -76.98-80.76 transitionally silicified sediments -silicification here is patchy -also some sections here of honey-brown sericitic alt., assoc. with these is hematite -these minor sections appear to have been brecciated as well -fine diss. py is assoc. with these as well -approx. 50% of the rock here is silicified Sample - 6256-0306 -unaltered greywacke and argillite	36° 36° 35° 34° 32°	•	0306	75.85	76.98	1.13n		.08					
		Sample - 6256-0307 -silicified section in grey-wacke -77.3 approx. 20cm of honey-brown sericitic alt. and hematite, py. assoc.			0307	76.98	77.80	.82m	.21	.17					
		Sample - 6256-0308 -silicified greywacke			0308	77.80	78.33	.53m	.41	.22					
		Sample - 6256-0309 -greywacke, relatively unaltered			0309	78.33	79.04	.71m	.21	.15					

DIAMOND DRILL HOLE LOG

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HOLE No. 6256-86-8 Page 4 of 13 **FOOTAGE** SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** GW Au FROM TO NUMBER (alteration, structure, mineralization) **FROM** TO g/t Sample - 6256-0310 0310 79.04 .62 -48 79.82 78m -silicified greywacke -79.10 fracturing with honey brown sericitic alt., hematite assoc. tr py Sample - 6256-0311 80.76 94m 34 0311 79.82 -silicified greywacke -tr py 80.76 - 99.62 Main Silicified Zone -this section is highly silicified and contains from 10-20% py -it appears to have undergone two separate episodes of silicification -the first, an ititial pervasive type, and a second which is assoc. with brecciation -some sections of the core appear to be more highly bleached, this is because brecciation and assoc. silicification of the second type were more intense in locallized sections -the host appears to be a graphic argillite, and where brecciation and secondary silicification is less intense primary bedding features can be noted -most of the pyrite appears to be primary but some fine disseminated pyrite was introduced during the secondary brecciation and silicification, it can be noted within fractures -a later stage of qz-carb veining is present as well -100% of core is silicified Sample - 6256-0312 0312 80.76 81.76 lm .27 .27 -silicified argillite 10-20% py -includes intense brecciated section 31° -clay seam 81.6 (fault?)

DIAMOND DRILL HOLE LOG

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	FOOT	AGE			Ses		SAMP	LE				ANAL	YTICAL	RESUL	TS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	GW					
		`	Sample - 6256-0313 -same as 0312			0313	81.76	82.76	1m	.75	.75					
			Sample - 6256-0314 -same as 0312			0314	82.76	83.76	1m	.34	.34					
			Sample - 6256-0315 -silicified and intensely brecciated more highly bleached			0315	83.76	84.76	1m	.27	.27					
0 +		* .	Sample - 6256-0316 -same as 0312			0316	84.76	85.76	lm	.96	.96					
-			Sample - 6256-0317 -same as 0312			0317	85.76	86.76	1m	.48	.48					
			<u>Sample</u> - 6256-0318 -same as 0315			0318	86.76	87.76	1m	.75	.75					
			Sample - 6256-0319 -same as 0315			0319	87.76	88.76	1m	.96	.96					
			Sample - 6256-0320 -same as 0315			0320	88.76	89.76	1m	1.65	1.65					
			Sample - 6256-0321 -same as 0315			0321	89.76	90.76	lm	.55	.55					
			Sample - 6256-0322 -highly bleached and silicified -lower .3 of a m. very highly bleached grey in colour -has a honey-brown tinge (sericite?)			0322	90.76	91.76	1m	.14	.14					

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DIAMOND DRILL HOLE LOG

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		FROM	ТО	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au	GW						
-	 				4 -	Su	TO THE SECTION OF THE	***************************************		PEK.	Au g/t						<u> </u>	
			,	Sample - 6256-0323 -highly bleached and silicified -honey-brown tinge to core (sericite?) -late stage qz-carb veining present			0323	91.76	92.76	1m	.48	.48					-4	
				Sample - 6256-0324 -same as 0315 except contains a narrow section of honey-brown sericite at 93m			0324	92.76	93.76	lm	.41	.41						
				Sample - 6256-0325 -same as 0315			0325	93.76	94.76	lm	.34	.34	-					
	•; 		*	Sample - 6256-0326 -silicified argillite 10-20% py			0326	94.76	95.62	.86m	.21	.18						
			-	Sample - 6256-0327 -silicified argillite -some intensely brecciated sections -10-20% py -some late qz-carb veining			0327	95.62	96.62	lm	9.22	9.22		7.49		3.45		
				Sample - 6256-0328 -same as 0326			0328	96.62	97.62	1m	5.76	5.76						
				Sample - 6256-0329 -same as 0326			0329	97.62	98.62	1m	.62	.62						
			,	Sample - 6256-0330 -silicified greywacke and argillite			0330	98.62	99.62	1m	1.44	1.44						
				Sample -6256-0331 -unaltered argillite			0331	99.62	100.62	1m	.14	.14						
	•			-after 99.62 we have a series of greywackes and argillaceous black shale, the shales are much more dominant now making up approx. 80-90% of the sediments														

DIAMOND DRILL HOLE LOG

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Mission-Harker Exploration Ltd. **FOOTAGE** SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** Au | GW **FROM** TO (alteration, structure, mineralization) NUMBER FROM TO g/t -silicification and brecciation occur intermitently throughout the shales but the relatively unaltered sediments are hard on their own right Sample - 6256-03320332 103.66 | 104.15 | 49m | 6.17 | 3.24 -greywacke 1-2% py Sample - 6256-0333 104.15 105.47 1.32 m. 62 .82 0333 -silic. greywacke and argillite -10-20% py 105.98 .51m .14 .07 Sample - 6256-03340334 105.47 -argillite -10-20% py Sample - 6256-0335 0335 108.45 109.45 lm. | .34 | .34 -slightly silic. argillite with a brecciated highly silic. section at 109m -10-20% py Sample - 6256-0336 0336 117.85 | 119.0 | 1.15h.14 | 16 -highly silicified and brecciated section -contains a section with some honey-brown coloured fragments -10-20% py -the honey-brown fragments noted in sample 0336 are found within highly silicified and brecciated sections -these sections have been bleached to a light grey colour -these sections have been intensely ground and some fragments are very fine 0337 120.82 121.80 .98n .48 .47 Sample - 6256-0337 -same as 0336

DIAMOND DRILL HOLE LOG

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Company Mission Harker Exploration 1.td. HOLE No. 6256-86-8 ____Page __8___of __13__ **FOOTAGE ANALYTICAL RESULTS** SAMPLE **ROCK TYPE AND DESCRIPTION** GW Au FROM TO (alteration, structure, mineralization) NUMBER FROM TO g/t -125.51 - 127.51 intensely brecciated and silicified section -silicification has entered along fractures developed by brecciation -fine disseminated py with this -at either end brecciation drops to nothing -highly bleached silicified sections with localized honey-brown colouration (sericite?) are present as well. 125.51 to ≈ 126.51 -highly bleached sections appear to be very intensely brecciated possibly mylonatized Sample - 6256-0338 0338 125.51 | 126.51 | 1m -highly bleached, grey, brecciated and silicified section with localized honey-brown colouration (sericite) -10-20% py Sample - 6256-0339 126.51 | 127.51 | 1m | 1.031.03 0339 -highly brecciated and silicified section -1.0-20% py 127.51 | 128.51 | 1m | 5.49 | 5.49 | 0340 Sample - 6256-0340 1.79 -silicified argillite with localized bleaching and honey-brown colouration (sericite) -slight brecciation |128.51| |129.30|.79m| |6.72| |5.31|Sample - 6256-0341 0341 -same as 0340 Sample - 6256-0342 |131.07|131.46|.39m|.41|.16|0342 -brecciated silic. argillite -10-20% py

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	FOOT	AGE		υs	ES		SAMP	LE				ANAL	TICA	L RESU	ILTS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	GW					$\frac{1}{2}$
			Sample - 6256-0343 -silic. argillite -last .3m of sample is silicified and highly brecc.			0343	131.46	132.46	1.0m	.96	.96					
			Sample - 6256-0344 -silic. argillite -first .2m of sample is silicified and highly brecciated			0344	132.46	133.19	.73m	.62	.45					
	-		Sample - 6256-0345 -silic. argillite -20cm middle section highly brecciated and silic.			0345	133.19	134.1	.91m	.41	.37					
			-possible second alteration zone 134.1-140.60 -134.1-135.66 brecciated section -different in relation to brecciation which has occurred earlier; -breccia here appears to be a later period episode -much drier looking -core here is composed of breccia fragments up to 2cm in width, very angular -this breccia is the result of a later qz-carb intrusion (it is noted between fragments) -some of the fragment note are silicified and honey-brown (sericite) in colour -these represent an earlier alteration which has later been breccia by the qz-carb infilling. Massive sections of this alteration were noted earlier in the core													
·			Sample - 6256-0346 -same as described 134.1-135.66			0346	134.1	134.66	.56¤	.41	.23					
			Sample - 6256-0347 -same as described 134.1-135.66			0347	134.66	135.66	1m	.34	.34					

DIAMOND DRILL HOLE LOG

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FOOTAGE SAMPLE SAMPLE ANALYTICAL RESULTS

F001	AGE		3 S S	ES		SAMP	LE			4	ANALYTI	CAL RI	ESULT	s	
FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	ENGTH	Au g/t	GW					
		Sample - 6256-0348 -silic. argillite -some localized sections of brecciation and further silicification			0348	135.66	136.83	1.17r		.73					
		-136.83-139.44 intense brecciation and silicification of core -core in this section has been bleached now is beige in colour (possibly due to sericitization on dolomitization) -brecciation appears to have occurred after the bleaching -silicification assoc. with breccia -upper contact with argillite is very sharp -it is possible that these may originally have been a volcanic, round eyes which resemble vesicles can be seen here -10-20% py in fractures													
		Sample - 6256-0349 -as described 136.83-139.44			0349	136.83	137.83	1m	4.42	4.42	4.99 2.61		ende comprehensive de la c		
		Sample - 6256-0350 -same as 0349 -cpy noted here also			0350	137.83	138.74	.91m	4.97	4.52					
		Sample - 6256-0351 -same as 0349			0351	138.74	139.44	.70m	5.83	4.08					
	-	-clay seam 138.16 -clay seams 138.3-138.4, core broken here no angle possible, appears possibly to be same as above	33°												
		Sample - 6256-0352 -silic. argillite			0352	139.44	140.60	1.16	p1.17	1.36					
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DIAMOND DRILL HOLE LOG

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6256-86-8 Company Mission Harker Exploration Ltd. HOLE No.

	FOOT	AGE			ES		SAMP	LE				ANA	LYTIC	CAL R	ESULT	s	
	FROM	TO	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	ENGTH	Au g/t	GW						
			-brecciated, silicification assoc. -10-20% py														
			-139.85 clay seam fault	20°							,						
			-140.60-143.94 series of interbedded greywackes and argillites -these rocks are locally silicified and brecciated intensely, some sections appear unaltered, 2-5% py -clay seam 142.15 fault, angle not possible core broken, but it appears to be at a low angle (best clay seam noted)		S		F.	·								Archeres for his principles of the first state of the sta	
-		*	Sample - 6256-0353 -same as described in 140.60-143.94		-	0353	140.60	141.37	.77m	.27	.21						
-		-	Sample - 6256-0354 -as described 140.60-143.94			0354	141.37	142.34	.97m	.48	-47						
		+	Sample - 6256-0355 -same as described in 140.60-143.94			0355	142.34	143.06	.72m	.27	.19						
			Sample - 6256-0356 -same as described 140.60-143.94			0356	143.06	143.94	.88m	.41	.36		-				
			-143.94-149.76 greywacke, some sections are relatively unaltered, but localized section are brecciated and highly silicified -silica flooding accompanied the brecciation		.		ř.	:			-		; 1	-			
		_	-where the brecciation and silicification is strongest, 10-20% py in clots & disseminations occurs otherwise 2-5% is evident -≥1% occurs in the relatively unaltered sections		-		-							1			
			-chlorite filled fractures in less altered material Sample - 6256-0357 -relatively unaltered greywacke except for a central 20-30cm section of brecciation and silicification 10-20% py assoc.			0357	143.94	144.94	1m	2.74	2.74						

DIAMOND DRILL HOLE,LOG

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	FOOT	rage		38.8	SES		SAMP	LE				ANALYTIC	AL RESULTS	
	FROM	то	ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization)	CORE ANGLES TO AXIS	% SULPHIDES	NUMBER	FROM	то	LENGTH	Au g/t	GW			
^			Sample - 6256-0358 -localized section of brecc. and silica flood in first 30cm -10-20% py assocremainder unaltered			0358	144.94	145.38	.4411	2.13	.94	3.80 2.67		
			Sample - 6256-0359 -some silicification throughout 2-5% py assoclocalized sections of brecc. and silic. 10-20% py assoc.			0359		146.61	1.23	5.25	6.46			
; ••		-	Sample - 6256-0360 -unaltered greywacke) and	0360	146.61	147.07	. 46ш	.34	.16		2.19	
- -			Sample - 6256-0361 -slightly silicified greywacke 2-5% py present -chlorite filled fractures			0361	147.07	148.43	1.36	n1.65	2.24		-	
			Sample - 6256-0362 -brecciated & silic. greywacke 10-20% py			0362	148.43	149.76	1.33	ո1.23	1.64			
	,		-149.76-151.0 possible argillaceous (black shale) metasediment which had localized sections of silic. and honey-brown sericitic alteration -this was subsequently brecciated											
			-presently we see a possible graphitic host with honey-brown (beige) fragments -the fragments contain py 10% -brecciation has also silic. the host -carb. in later fractures		*		.	н 1			¥			
		-	Sample - 6256-0363 -as described 149.76-151.0			0363	149.76	150.63	. 87m	1.17	1.02			
			·											

DIAMOND DRILL HOLE LOG

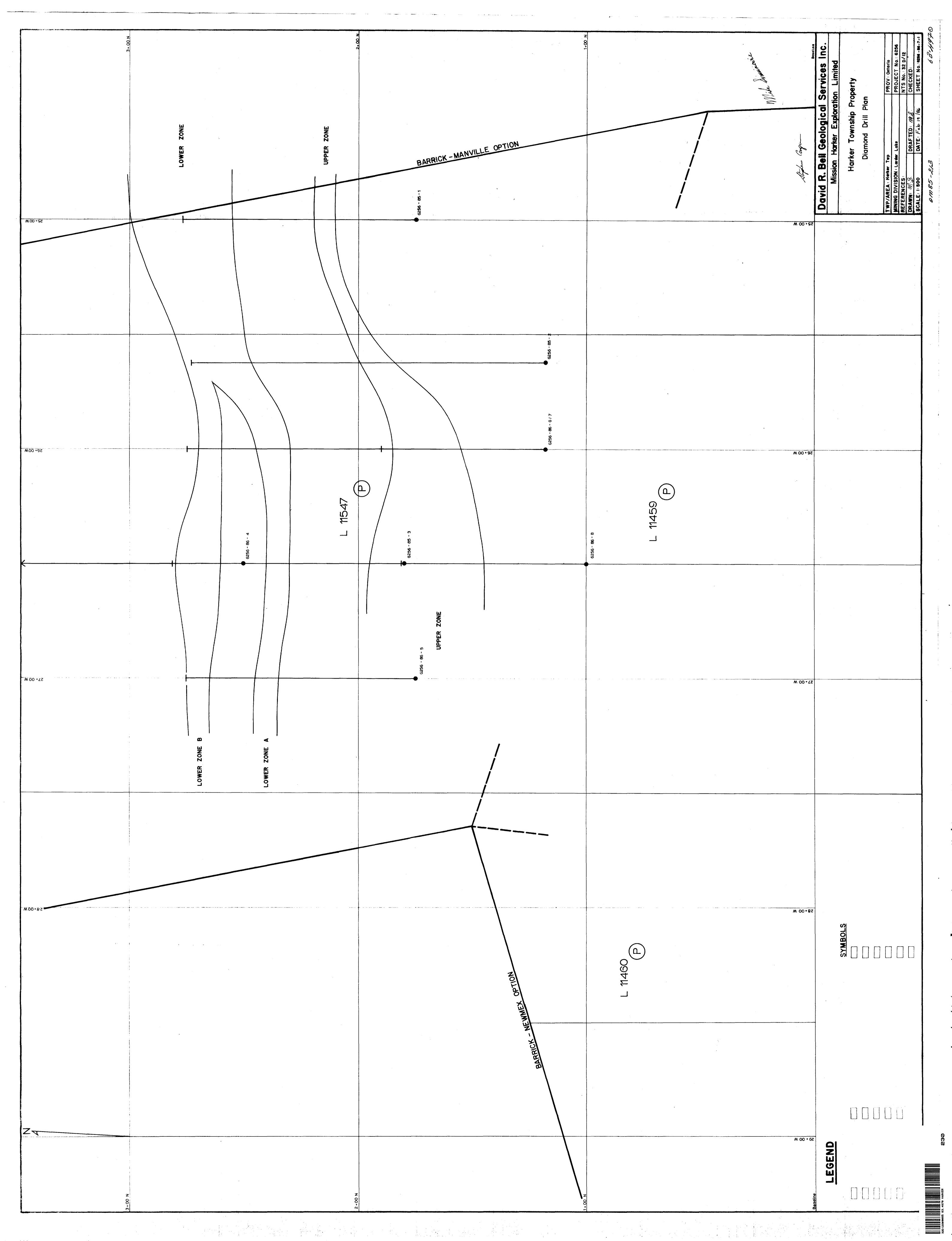
PROJECT 6256 Harker Twp.

Company Mission Harker Exploration Ltd. HOLE No. 6256-86-8 _____Page ___<u>13</u>__of ___<u>13</u>__ FOOTAGE SAMPLE **ANALYTICAL RESULTS ROCK TYPE AND DESCRIPTION** FROM NUMBER TO (alteration, structure, mineralization) FROM g/t Sample - 6256-0364 0364 150.63 151 .47m 2.06 .97 -as described 149.76-151.0 Sample - 6256-0365 151.48 48m | 1.10 .53 0365 151 -silic. argillite -10-20% py -151.48-152.40 breccia zone -contains 30% py in clots, some fine disseminations in fragments and matrix -siliceous fragments -carb in late fractures -some qz-veining Sample - 6256-0166 -as described 151.48-152.40 0366 151.48 | 152.40 92m 96 88 End of Hole 152.40

	L3/+50W	M 00+1E7	L30+50W	m05+627	M00+627	128+50W.	M05+LZ7	L27+00W L26+50W	m00+927	W05+527	L25 +00W L24+50W	L24+00 W/	773+20W	
_							The state of the s		577 577 5786					6+00 N
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1+505		: 657	491 /- 210	221a	-3637 -3637 -3637 -1439	1927	190 -600 6000	243 -45	4 -482	518 500 482	-478 -572 -752	<u> </u>	-536 -498	1+505
2+005		- 678 64)	425 -346 4 -304 D -295	210	-1450 -1450 -1450	2539. -2736 11 2-2716- -937, -11	515 -1728	901 80 14	524	533 00	745 - 46 7-486 7-7026 - 74	7 -635	-443 -461	2+00 S
2+50 5		700	916 247	123	1247	-191011 -171E +15	502 -1278 Q	-1710 -152 -1017 -142	763	1000	1109 00, 654 1109 00, 654	501	- 421 4 - 389	2+50 S
3+00 S	-60°	587	1294 - 119 -193100 /- 193	1242	- 939 /CX	Ø.	100	- ega A - 151	19 940	906	790 0 -599	476	+405	3+005
3+50 S	-1000 mg	551 336 204	77	- 103/	1000	-1619	-1140	-1863	52 1079	926	661 -420		-270 -270 -0 Pr-11461	3+50 5
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5+50 S	P3-11461 - 453	100 512	1996	976	1546	-1282 -1523	- 2081							5+50 S
	73/+50 ×	V 00+/E7	W 00+0E7	M02+627	L29+00W	W00+857	L27+50 W	W00+127	M 00+ 927	125+50 W	L24.450 W	6.24+00 W	MAG MAG VLF- M N LABE	4.8

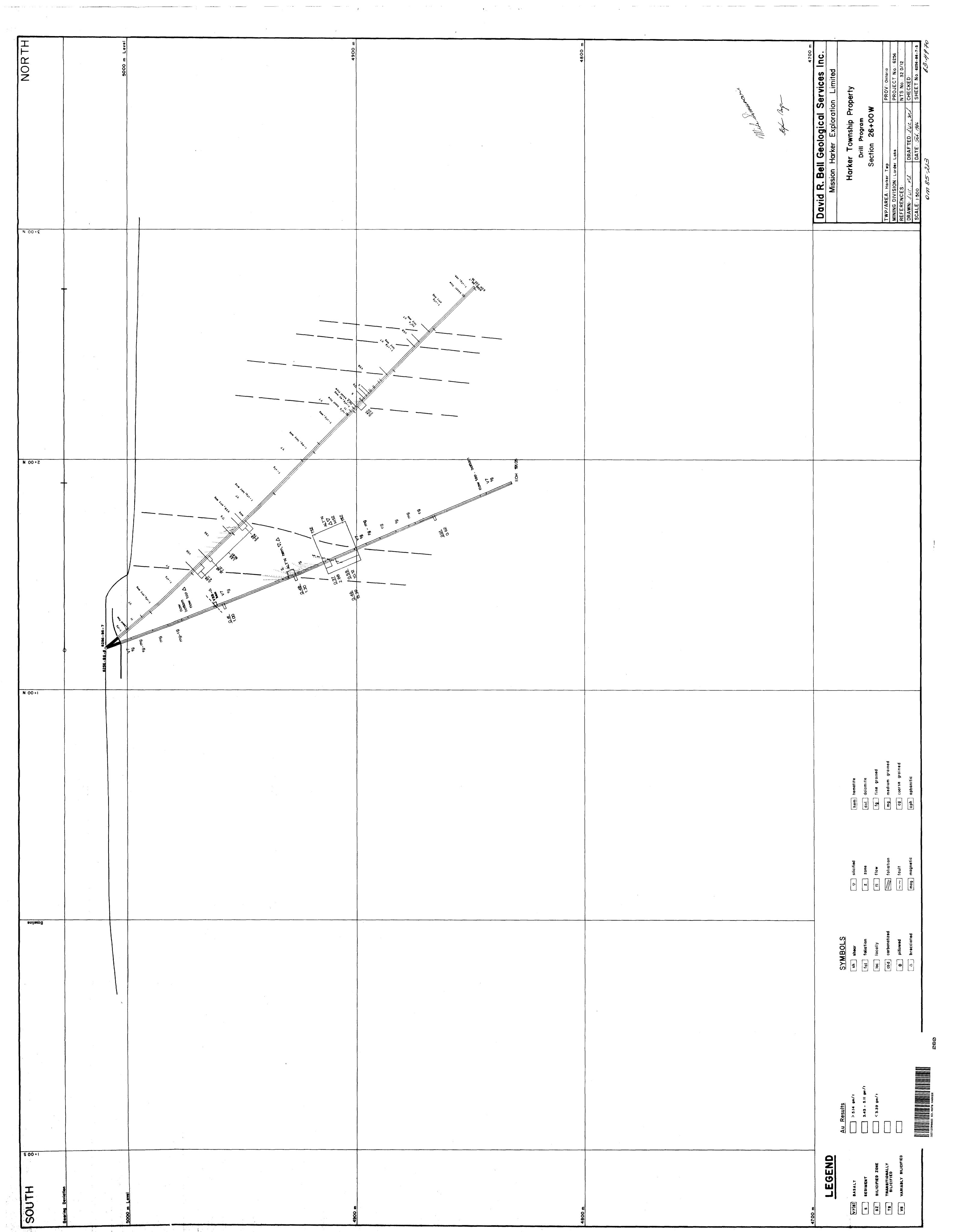
31.4 WHZ. OM 85-213 63.4970 731+167 05+627 6+00N 6+00N VLF SURVEY PANSMITTER 5+50N 5+50 N ANNAPOLIS, MARTLAND 21.48 HZ SHEVEY BY - D. GLIDEON Dare - Nov. 1985 502LE / 2530 5+00 N SHOON INSTRUMENT - EM-16 P4-11547 4+50N 4+50N Pr- 11547 -assumed claim post location with number 4+00 N 4+00N 3+50 N 3+50 N 3+00 N 3+00 N 100+-35 21581-22 2+50N 2+50 N 25 6 -54 2+00 N 2+00 N 41 \$ -27 x 1+50 N 1+50 N 0/25 068 + -26 0 70 + -28 1+00 N 1+00 N -32+-140 -25--18 -20+63 0+50 N 0+50 N -150+2 X P4-11460 XII -20 X0 X23 -26 0x51 +-23 81 -20 0 90 -18 031 +-27 BL AZ 090° BL AZ .090° 83 -32 90 + -25 0 72 -- 30 0+505 0+505 1+005 1+005 X-13+7 _-25 ÷ 5€. 1+605 1+50 5 5 70 5 X 81 +10 X 2+005 23 1 9 2+005 7-10-2 X 2+505 7.5% 2+505 X -18 +0 X -2 1 1g 52 + -/5 b 10-3 + 54 -5+-2 ×9-5-2 3+005 -23 + 76 x 3+00 5 -65 + -18 27 ec 390+ 2 3+505 3+505 -35+5-4 -242 + -11g + 1/2 6 -17 64 040 4+005 51 +-15 4+005 `x\$₽ - -/3à 0102 06-2 -13 to-2 > 0 10-2 | 1 1 P2 - 11461 4+505 4+505 0+-7 -23 00 × 13 15 2 X X P3-11460[] 2 x+ 5 3 52 + 45 x 16+52 -5 TK4 5+005 5+005 42 ×31 -37-4 5+505 5+50S P3-11461 0-11-67 150+627 フィナアのシン 754420

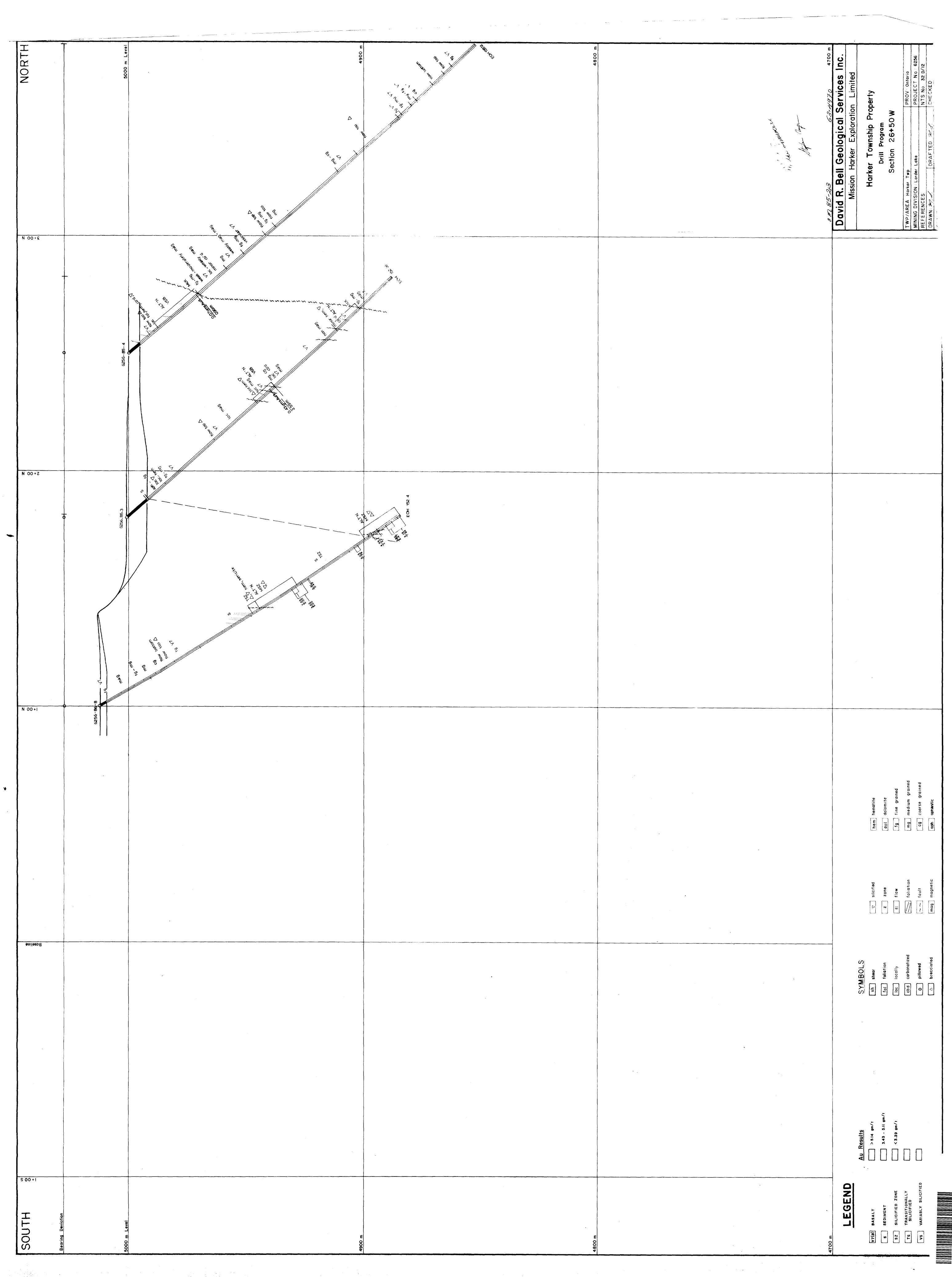




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