TECK EXPLORATIONS LIMITED

NORTH BAY, ONTARIO

010

REPORT ON THE 1984 EXPLORATION PROGRAM ON THE SAVANT LAKE GOLD PROJECT IN CONANT AND BOUCHER TOWNSHIPS NORTHWESTERN ONTARIO

by

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N.T.S.

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SUMMARY

The 22-claim U-6 and 128-claim U-16 groups are loca ed in Conant and Boucher townships, approximately 8 miles north of Savant Lake in northwestern Ontario. Between February and October of 1984, a program of geophysical surveys, soil sampling, geological mapping, prospecting, trenching and diamond drilling was completed.

Encouraging drill results (values up to 0.138 oz/ton Au/7.2') on the U-16 central grid prompted the initiation of a stripping and detailed mapping program. Erratic gold values were found in a thin, tightly folded sedimentary unit interbedded with mafic volcanics. Although continuity in gold values at surface is not apparent, a depth extension of mineralization may exist.

Six holes, drilled to test geochemical and geophysical anomalies on the U-16 north grid, failed to intersect economic mineralization. Assays ranged from nil to 0.084 oz/ton Au/1.7'.

Trenching on the U-6 grid failed to explain highly anomalous gold values related to first order (>190 ppb Au) soil anomalies. A four inch-wide zone containing semi-massive chalcopyrite and pyrite assayed 0.777 oz/ton Au in a

grab sample. However, a 2.0-foot chip sample which included this same zone only assayed 0.030 oz/ton Au.

Sampling of the 1976 core outlined an anomalous horizon with a minimum strike length of 500 feet and varying in width from 50 to greater than 100 feet. Assays ranged up to 0.297 oz/ton Au but generally averaged less than 0.05 oz/ton Au.

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INTRODUCTION

The 22-claim U-6 and 128-claim U-16 properties are located in Conant and Conant and Boucher townships respectively (Appendix A, Figs.2 & 3). All of the claims are held by Teck Explorations Limited on behalf of joint venture partners Lynx-Canada Explorations Limited, Metallgesellschaft Canada Limited and Teck Corporation.

During 1984, a program of geophysical and geochemical surveys, geological mapping, sampling, trenching and drilling was completed. The results of this program are presented in this report.

LOCATION AND ACCESS

Both properties are located approximately eight miles north-northeast of Savant Lake in northwestern Ontario. Access to grid U-16 is provided by a lumber road 1/2 mile north of the junction of Highways 599 and 516. Two miles east along this road, an old skidder road runs north through the south and central grids.

Access to grid U-6 is made possible through a series of lakes and portages, beginning at Staunton Lake, about five miles north of the junction of Highways 599 and 516. The

west end of the grid crosses the eastern tip of Conant Lake (Fig. 5).

PREVIOUS WORK

In 1970, Noranda Exploration Company Limited acquired four claims at the north end of Handy Lake, an area now enclosed by Group U-6. Airborne geophysical surveys were flown over this and eight other claim groups in Conant township. A fairly strong EM airborne anomaly was not located by follow-up ground electromagnetic and vertical loop surveys and the claims were subsequently dropped.

In the same year, Noranda also acquired ground in an area west of Harold Lake (now part of the central and north grids of Group U-16). Ground follow-up of airborne conductors located several parallel electromagnetic zones with coincident magnetic anomalies.

Canadian Nickel Company Limited held three claims in southern Conant township (now part of the central grid of Group U-16) in 1967. A total of 11 holes (2363') were drilled between May 1967 to May 1971 on these and three claims in Jutten township. The drilling intersected disseminated pyrite and pyrrhotite with a trace of chalcopyrite over narrow widths (Bond, 1979).

A DIGHEM survey was flown by the joint venture partners over the Savant Lake area in 1974. Ground surveys carried out in that year discovered gold mineralization on Group U-16. Soil sampling outlined B horizon anomalies with values up to 2,775 ppb Au. Grab samples of bedrock assayed up to 0.34 oz/ton Au.

Drilling on Group U-6 (anomaly 101P-101O) intersected mineralization grading up to 0.20 oz/ton Au/1.0'. Surface sampling (grab samples) encountered mineralization which assayed 0.18 oz/ton Au and 0.28 oz/ton Au (Geophysical Engineering, 1977).

In 1981, fill-in soil geochemical surveys were completed on U-16 to confirm geochemical anomalies obtained from earlier surveys.

In 1983 a program of linecutting, prospecting, geology, soil geochemistry and geophysics was completed on the central grid of Group U-16. Grab samples assayed from trace to 0.479 oz/ton Au and chip sampling in four cleaned-out trenches (excavated in 1976) obtained values up to 0.069 oz/ton Au/3.0'.

Soil sampling on the north grid outlined anomalies ranging from 37 to 1,100 ppb Au, while on the central grid, anomalies ranged from 37 to 16,450 ppb Au.

A magnetometer survey outlined numerous erratic, highly magnetic horizons over the U-16 central grid while several long, sub-parallel conductors were located by CEM surveys completed over the north and south grids (Fox, 1983).

TOPOGRAPHY AND VEGETATION

Glaciation has left much of the area denuded with outcrop density moderate to good in most localities. Drainage is generally good with only a few areas of swamp. Vegetation consists of a mature growth of spruce, poplar, balsam and pine. Undergrowth density is low to moderate with alders predominating.

1984 EXPLORATION PROGRAM

Work Performed

General

A program consisting of a CEM survey, limited soil sampling, diamond drilling, detailed mapping and channel

sampling was completed on the central grid of the U-16 claim block. On the northern grid, limited soil sampling, a magnetometer survey and diamond drilling were carried out.

On Group U-6, VLF-EM and magnetometer surveys were completed. Soil surveys were performed and geochemically anomalous areas were mapped, trenched and sampled.

Geophysics

A CEM (shootback) survey was conducted over the central U-16 grid in May, 1984. Readings were taken at 100-foot stations on cut lines spaced 200 feet apart using 390Hz and 1830Hz frequencies. At the same time, a magnetometer survey was carried out on the north grid. Readings were taken at 50-foot stations on lines 400 feet apart. Corrections were made for diurnal change using base stations established along the base line.

Magnetometer and VLF-EM surveys were conducted on the U-6 grid in February, 1984. Readings were taken at 50-foot stations on lines 400 feet apart.

Soil Geochemistry

In June, 1984, a geochemical survey was completed between L8+00S and L20+00S on the central grid of Group U-16. Soil samples were taken at 25-foot intervals between stations 5+00E and 5+00W on lines spaced 200 feet apart.

A similar survey was completed on the U-6 grid during June and September, 1984. A total of 840 soil samples were taken at 50-foot intervals on lines spaced 400 feet apart. Areas of obvious thick humus accumulations were not sampled.

Samples were dried in the field and shipped to X-Ray Assay Laboratories in Toronto for analysis. B-horizon samples were analyzed to a detection limit of 2 ppb Au by fire assay after a D.C. plasma emission procedure. Humus (A-horizon) samples were briquetted and assayed by neutron activation at McMaster University to a detection limit of 1 ppb Au. Results were statistically analyzed and threshhold, anomalous and highly anomalous values were contoured (Dwg. 5668c).

Drilling

Favourable results from geophysical and geochemical surveys led to the implementation of a drill program on the

U-16 north and central grids in June, 1984. Nine holes totalling 2547 feet were drilled (Appendix B) using a unitized, totally hydraulic diamond drill rig.

Mapping and Sampling

Mapping, stripping by bulldozer and sampling of a portion of the U-16 central grid were carried out from August to October, 1984. The program was initiated after holes U16-1, U16-2 and U16-9 encountered erratic but generally low gold values in an area which had previously yielded much higher values from soil geochemical surveys. The objective of the mapping was to define lithological and/or structural controls on gold mineralization.

A prospecting and trenching program was completed on Group U-6 during September and October 1984. Ten trenches were excavated, sampled and mapped.

Drill Core Sampling

Core from the nine holes drilled on claim group U-16 was re-examined and approximately 90% was split and assayed for gold. Similarly, all of the core from the 1976 drilling program on the U-6 grid was re-examined, split and assayed.

Results - U-16

Geophysics

Results of the CEM survey outlined a series of sub-parallel, long and strong conductors trending approximately 030° to 045°, similar to those on the north and south grids (Dwgs 5513-2b to 5513-2b-3).

A magnetometer survey on the north grid obtained erratic readings, frequently with a large amplitude which is thought to reflect the presence of magnetite in iron formations. The magnetic highs are commonly found to be coincident with geochemical anomalies (Dwgs 5513-1c and 5513-1d).

Soil Geochemistry

The highest values obtained from detailed sampling of the central grid are 2,000 ppb Au and 2,400 ppb Au. Both samples are located east of the base line on L14+00S. The survey confirmed the existence of geochemical anomalies outlined in 1976 and 1983, and suggests a possible stratiform character of mineralization.

Drilling

Holes U16-1 and U16-2 were drilled to test coincident geochemical and magnetic anomalies on the central grid. A silicified-carbonatized zone in mafic volcanics (?) was intersected in U16-2 and assayed 0.138 oz/ton Au/7.2'. Hole U16-9 was subsequently spotted to test for an up-dip extension of this zone, but did not encounter significant results.

All three holes intersected mafic to intermediate lapilli tuff, amphibolite, mafic flows and tuffs with rare arenaceous sedimentary beds. Most units contain varying degrees of chlorite and carbonate alteration with sporadically distributed quartz and/or carbonate veins. Sulphide content is generally low, averaging less than 1% pyrite and pyrrhotite, but occasionally reaches 15-20% over narrow (<2") widths. A trace of sphalerite was noted in DDH U16-1.

The low assays from drilling on the central grid of the U-16 claim block are at variance with the soil geochemical anomalies observed in the immediate vicinity of the drill holes. Bedrock mapping failed to locate anomalous gold bearing zones. Stripping and subsequent sampling did reveal that some of the grab samples taken near soil geochemical

"highs" were in fact, float. Bedrock immediately below anomalous soil sample sites assayed nil to trace amounts of gold.

On the north grid, mafic to intermediate volcanics with minor intermediate to mafic ash tuff and rare, felsic ash tuff, cherty metasediments and graphitic argillite were intersected in drill holes. Most units are altered to chlorite, sericite, phlogopite and carbonate with minor silicification. Thin quartz ± carbonate veins commonly occur in all lithologies. Sulphide mineralization occurs as thin pyrrhotite and/or pyrite stringers. Average sulphide content is approximately 1-3% in all units. The highest assay obtained from drilling on the north grid was 0.084 oz/ton Au/1.7' in a cherty sediment(?) in DDH U16-5.

With the exception of the massive amphibolitic sections, all drill core was split and sampled. Assays were generally low averaging approximately 0.002 oz/ton Au.

TABLE I

DRILL HOLES GROUP U-16

Hole Number	Coordinates	Dip	Azimuth	
U16-1	13+60S, 0+80W	-50°	135°	Central Grid
U16-1	11+40S, 0+10W	-50°	135°	Central Grid
U16-3	8+30S, 23+30W	-60°	310°	North Grid
U16-4	4+30S, 14+50W	-50°	310°	North Grid
U16-5	3+30N, 17+00W	-50°	310°	North Grid
U16-6	4+80N, 10+00W	-50°	130°	North Grid
U16-7	8+50S, 6+00W	-50°	310°	North Grid
U16-8	8+60S, 3+40W	-50°	310°	North Grid
U16-9	11+35S, 0+55E	-50°	135°	Central Grid

Mapping and Sampling

Detailed mapping on the central grid covers an area from L4+00S to L30+00S and between stations 4+00W to 5+00E. Classification of lithologies is based on variations in grain size, amphibole content (in the case of mafic volcanics), quartz content, the degree of recrystallization and, to a lesser extent, chloritic alteration.

There are essentially two main amphibolitic lithologies, namely a medium to coarse grained, largely recrystallized and partly chloritized mafic to ultramafic unit, and a fine to medium grained, banded to crudely foliated, weakly recrystallized mafic volcanic unit.

Several thin sedimentary units, traceable for distances up to 1,000 feet along strike, were located (Dwgs 5513-2a-1 and 5513-2a-2). These interbedded clastic sediments and intermediate volcanics are classified on the basis of texture, grain size and quartz content. The sediments are found to be recrystallized and frequently silicified in many localities, preventing an accurate genetic classification.

All units have undergone three and possibly four phases of deformation. A series of major folds with north-south to northwest-southeast trending fold axes were mapped. These appear to be isoclinal folds with sub-vertical to vertical plunges. The limbs of these folds contain abundant intrafolial folds with vertically plunging fold axes. These folds represent the first major deformation episode (F_1). A subsequent fold phase produced a major north-northeast to south-southwest trending structure (F_2), which was later refolded approximately about the same axis (±10°), (F_3). A final fold phase (possibly extensional and related to a late faulting episode) produced a series of open folds with sub-vertical northeast plunges.

Further mapping accompanied by stripping and channel sampling was completed during October, 1984. An area of approximately 60,000 square feet was stripped from L9+00S (1+00E to 2+00E) to L14+00S (0+50W to 1+00E). Detailed mapping was undertaken over the stripped area in addition to channel sampling in order to locate gold-bearing horizons (Dwg 5513-2a-1a).

Washing of outcrop revealed the presence of extensive quartz veining and chert-carbonate lamellae and nodules within the lithologies previously mapped as 1ace, 1acf, 4ay and 4ad (Fox, 1984). Amphibolitic lithologies 1ace, 1acg,

1acd, commonly host very thin chert and/or intermediate tuffaceous bands. As a result, a new classification of the amphibolite units was based primarily on chert content. The sporadic biotite content observed in units 1ace, 1acf and 1acg indicates a minor argillaceous component.

Quartz veining in the form of discordant milky to rosey stringers occurs as a broad band, approximately 40 to 60 feet in width throughout the area stripped. Veining pre-dates the formation of S_1 with the angle of intersection between it and S_1 commonly being 10° or less.

Deformation post-dating S_1 and the above-mentioned folding is indicated by small scale, tight to open folds with amplitudes of several inches and possessing 080° to 090° trending fold axes with moderate east-northeast plunges. Quartz veining frequently exhibits major shearing in the direction of this last axial trend with a second generation of barren white quartz developed in a few localities.

Sulphide mineralization is sparse (trace to 2% pyrite) and is confined to thin sediment/tuff interbeds. Exceptions are:

1) Near L12+65S, L0+45E, where a chert-tuff-banded amphibolite contains 2% to 4% pyrite.

2) In channels C and D (Dwg. 5513-2a-1a), which contain 2% to 5% pyrite in silicified, banded intermediate tuff and amphibolite.

Magnetite content is higly variable in the units sampled. It occurs as fine-grained disseminations or very rarely as recrystallized idioblasts up to 2mm in width.

Results obtained from all areas stripped and sampled are disappointing with the exception of sample #B764 taken from channel Z near L12+65S, 0+45E (Dwg. 5513-2a-1a), which assayed 0.132 oz/ton Au/3.3'. Lithologically, it is indistinguishable from that within channel Y immediately to the west which returned only a trace of gold.

In summary, it appears that the areas mapped are composed of a poorly developed chert-magnetite-carbonate facies iron formation, with minor chert-magnetite-pyrite facies interbeds. Anomalous gold values occur in all of the units sampled and it appears that mineralization is neither structurally nor lithologically controlled. Quartz veining may be a controlling factor but it should be noted that even

within units composed of 50% quartz veins, only trace amounts of gold were usually obtained.

Results U-6

Geophysics

Of the 10 VLF-EM conductors located (Dwg. 5668a), eight appear to be caused by surficial or weak ionic conductivity. Two weak bedrock conductors, located near the base line between L8+00W and L4+00E, approximately coincide with two conductors outlined by the electromagnetic survey carried out in 1974. Follow-up drilling on these conductors in 1975 intersected narrow zones of massive sulfides.

The contoured magnetic data reveals a generally flat magnetic pattern south of the baseline, which becomes slightly stronger and noisier to the north. This is probably caused by a lithologic change from dominantly felsic to intermediate pyroclastics in the south to more intermediate to mafic volcanics towards the north. The latter units probably contain minor concentrations of disseminated pyrrhotite and to a lesser degree, magnetite which would explain the noisy magnetic pattern. No correlation between VLF-EM conductor axes and magnetic anomalies appears to exist.

Soil Geochemistry

A total of 840 soil and humus samples were taken, assayed and statistically analyzed. Values ranged from <1 ppb Au in humus to 2800 ppb Au in soils. A summary of the geochemical results reveals that 12 first order (>97.5th percentile or 190 ppb Au), 28 second order (92nd-97.5th percentile or 71-190 ppb Au) and 33 high background (67th-92nd percentile or 37-70 ppb Au) anomalies were outlined (Dwg 5668c).

Most of the anomalies occur south of the baseline in the southeast section of the property while only a few sporadic highs occur to the north. Glacial cover is generally thin in the south becoming thicker to the north and may partially explain this geochemical distribution.

Prospecting and Sampling

All geochemically anomalous areas were prospected and where possible trenched, mapped and sampled in detail. A total of ten trenches were excavated (Dwg. 5668d, Appendix E).

The lithologies in the trenches are predominantly felsic to intermediate tuffs, with subordinate crystal and

lapilli tuff. Most units are highly sericitized and contain occasional silicified zones. Mineralization ranges from trace to 15% disseminated pyrite and pyrrhotite with rare specks of chalcopyrite. However, in trench T6-7, a 3 to 4 inch-wide band of semi-massive chalcopyrite was exposed.

Assay results from most trenches are generally low, ranging from trace to 0.032 oz/ton Au/2.0'. The best values are found to be associated with strong silicification often accompanied by 2-5% disseminated pyrite.

In trench T6-7, two grab samples of semi-massive chalcopyrite and pyrite returned assays of 0.777 and 0.18 oz/ton Au respectively. However, a 2.0-foot chip sample, which included this same zone, only assayed 0.030 oz/ton Au. The soil survey failed to detect this zone, probably due to the very narrow widths of mineralization.

Drill Core Sampling

All of the core from the 1975 drill program (DDH U-4 and DDH's U-7 to U-13 inclusive) was re-examined, split and assayed for gold.Results were generally low although a 1.7-foot section containing a five inch quartz vein in hole U-4 assayed 0.297 oz/ton Au (Table II).

All assays of 0.010 oz/ton Au or greater are plotted on the drill sections in Appendix D. Although direct geological correlation is difficult, it should be noted that a consistent zone of anomalous values is present in the bottom of holes U-4 to U-10 inclusive. This zone is projected to surface on Dwg. 5668d.

TABLE II

High Assay Results from U-6 Core Sampling

Drill Hole	Sample Number	From	To	Length Feet	Au oz/ton
U-4	2214	313.0	314.7	1.7	0.297
U-7	B11384	279.0	283.0	4.0	0.20
	B11386	326.0	327.0	1.0	0.20
U-8	B11393	447.5	449.0	1.5	0.103
U-9	B1641	167.5	168.5	1.0	0.103
U-11	B1794	48.9	50.2	1.3	0.198

Respectfully submitted,

TECK EXPLORATIONS LIMITED

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W.L.E. Penno

February 22, 1985

Rep #1014NB
LL KT-588

REFERENCES

Bond, W.D., 1979: Geology of Conant, Jutten and Smye Townships (Savant Lake Area), District of Thunder Bay, Ontario Geological Survey Report 182, 113p, Accompanied by Map 2398, scale 1:31680.

Fox, J.S., 1984: Interim Report on Area U-Gold, Savant Lake Area for the DIGHEM Syndicate.

Geophysical Engineering Limited, 1977: Final Report on Area U-Savant Lake for the DIGHEM Syndicate.

APPENDIX A

CLAIM NUMBERS

CLAIM NUMBERS - GROUP U-6

Claim Number	Expiry Date
PA403363	10 Oct 1985
PA403364	10 Oct 1985
PA403365	10 Oct 1985
PA403366	10 Oct 1985
PA558445	24 Feb 1986
PA558446	24 Feb 1986
PA558447	24 Feb 1986
PA558448	24 Feb 1985
PA558449	24 Feb 1985
PA558450	24 Feb 1986
PA558451	24 Feb 1986
PA558452	24 Feb 1986
PA558453	24 Feb 1985
PA558454	24 Feb 1985
PA649303	24 Feb 1985
PA649304	24 Feb 1985
PA705589	30 Jun 1986
PA705590	30 Jun 1986
PA705591	30 Jun 1986
PA705592	30 Jun 1986
PA705593	30 Jun 1986
PA705594	30 Jun 1986

CLAIM NUMBERS - GROUP U-16

Claim Number	Expiry Date	Claim Number	Expiry Date
PA558396	24 Feb 1985	PA558419	24 Feb 1985
PA558397	24 Feb 1985	PA558420	24 Feb 1985
PA558398	24 Feb 1985	PA558421	24 Feb 1985
PA558399	24 Feb 1985	PA558422	24 Feb 1985
PA558400	24 Feb 1985	PA558423	24 Feb 1985
PA558401	24 Feb 1985	PA558424	24 Feb 1985
PA558402	24 Feb 1985	PA558425	24 Feb 1985
PA558403	24 Feb 1985	PA558426	24 Feb 1985
PA558404	24 Feb 1985	PA558427	24 Feb 1985
PA558405	24 Feb 1985	PA558428	24 Feb 1985
PA558406	24 Feb 1985	PA558429	24 Feb 1985
PA558407	24 Feb 1985	PA558430	24 Feb 1985
PA558408	24 Feb 1985	PA558431	24 Feb 1985
PA558409	24 Feb 1985	PA558432	24 Feb 1985
PA558410	24 Feb 1985	PA558433	24 Feb 1985
PA558411	24 Feb 1985	PA558434	24 Feb 1985
PA558412	24 Feb 1985	PA558435	24 Feb 1985
PA558413	24 Feb 1985	PA558436	24 Feb 1985
PA558414	24 Feb 1985	PA558437	24 Feb 1985
PA558415	24 Feb 1985	PA558438	24 Feb 1985
PA558416	24 Feb 1985	PA558439	24 Feb 1985
PA558417	24 Feb 1985	PA558440	24 Feb 1985
PA558418	24 Feb 1985	PA558441	24 Feb 1985

CLAIM NUMBERS - GROUP U-16

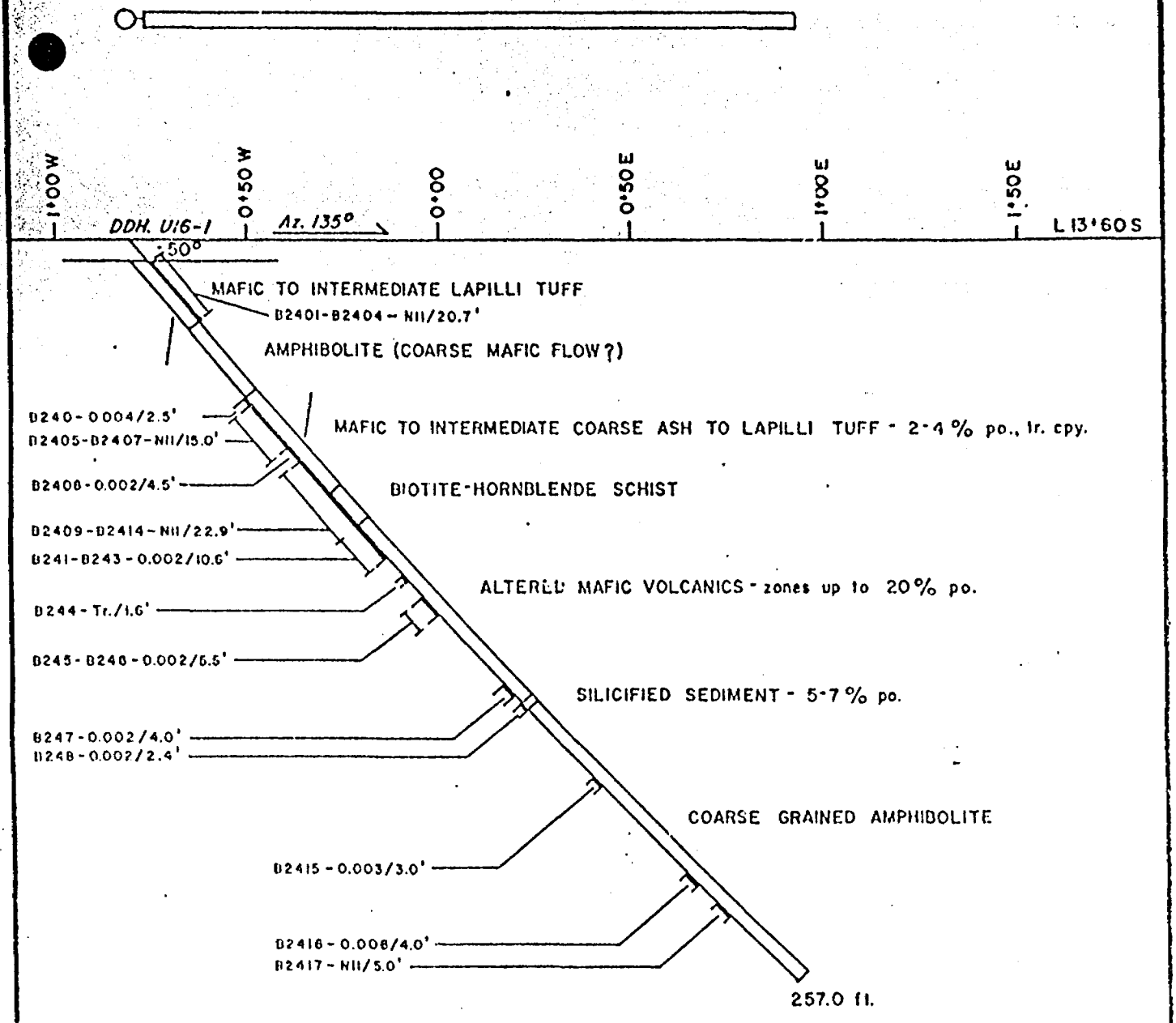
Claim Number	Expiry Date	Claim Number	Expiry Date
PA558442	24 Feb 1985	PA612419	06 Jan 1986
PA558443	24 Feb 1985	PA649246	24 Feb 1986
PA558444	24 Feb 1985	PA649247	24 Feb 1986
PA612193	06 Jan 1986	PA649248	24 Feb 1986
PA612194	06 Jan 1986	PA649249	24 Feb 1986
PA612195	06 Jan 1986	PA649250	24 Feb 1986
PA612196	06 Jan 1986	PA649251	24 Feb 1986
PA612197	06 Jan 1986	PA649252	24 Feb 1986
PA612198	06 Jan 1986	PA649253	24 Feb 1986
PA612404	06 Jan 1986	PA649254	24 Feb 1986
PA612405	06 Jan 1986	PA649255	24 Feb 1986
PA612406	06 Jan 1986	PA649256	24 Feb 1986
PA612407	06 Jan 1986	PA649257	24 Feb 1986
PA612408	06 Jan 1986	PA649258	24 Feb 1986
PA612409	06 Jan 1986	PA649259	24 Feb 1986
PA612410	06 Jan 1986	PA649260	24 Feb 1986
PA612411	06 Jan 1986	PA649261	24 Feb 1986
PA612412	06 Jan 1986	PA649262	24 Feb 1986
PA612413	06 Jan 1986	PA649263	24 Feb 1986
PA612414	06 Jan 1986	PA649264	24 Feb 1986
PA612415	06 Jan 1986	PA649265	24 Feb 1986
PA612416	06 Jan 1986	PA649266	24 Feb 1986
PA612417	06 Jan 1986	PA649267	24 Feb 1986
PA612418	06 Jan 1986	PA649268	24 Feb 1986

CLAIM NUMBERS - GROUP U-16

Claim Number	Expiry Date	Claim Number	Expiry Date
PA649269	24 Feb 1985	PA649293	24 Feb 1985
PA649270	24 Feb 1985	PA649294	24 Feb 1985
PA649271	24 Feb 1985	PA649295	24 Feb 1985
PA649272	24 Feb 1985	PA649296	24 Feb 1985
PA649273	24 Feb 1985	PA649297	24 Feb 1985
PA649274	24 Feb 1985	PA649298	24 Feb 1985
PA649275	24 Feb 1985	PA649299	24 Feb 1985
PA649276	24 Feb 1985	PA649300	24 Feb 1985
PA649277	24 Feb 1985	PA649301	24 Feb 1985
PA649278	24 Feb 1985	PA649302	24 Feb 1985
PA649279	24 Feb 1985		
PA649280	24 Feb 1985		
PA649281	24 Feb 1985		
PA649282	24 Feb 1985		
PA649283	24 Feb 1985		
PA649284	24 Feb 1985		
PA649285	24 Feb 1985		
PA649286	24 Feb 1985		
PA649287	24 Feb 1985		
PA649288	24 Feb 1985		
PA649289	24 Feb 1985		
PA649290	24 Feb 1985		
PA649291	24 Feb 1985		
PA649292	24 Feb 1985		

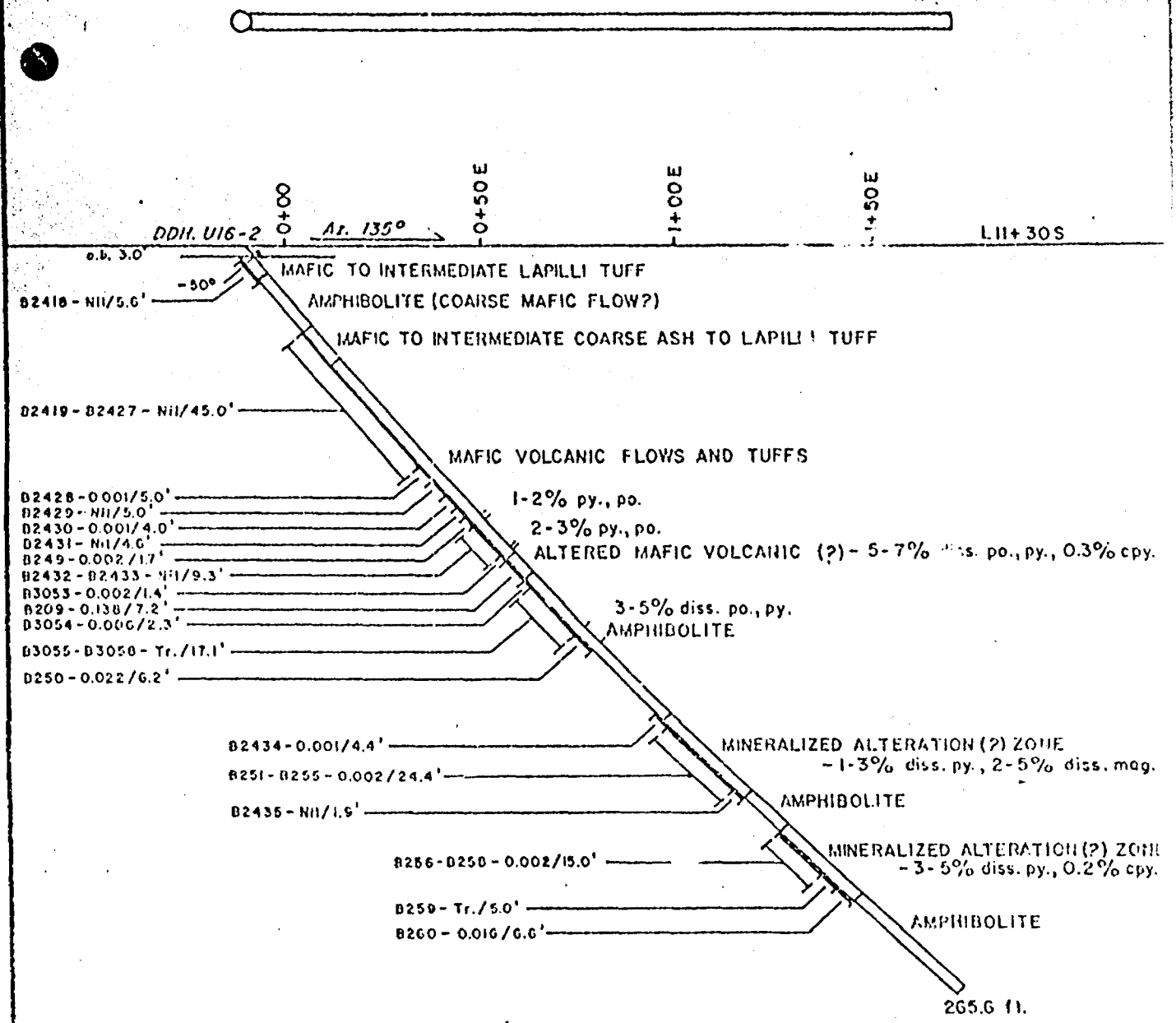
APPENDIX B

U-16 DRILL LOGS AND SECTIONS



B247 - 0.002/4.0' - Sample number - Au assay in ounces per ton / Length in feet

TECK EXPLORATIONS LIMITED		
Section through DDH. U16-1		
PROPERTY SAVANT LAKE GOLD PROJECT		
DATE 13/07/84	N.T.S. 52 J/7	JOB 96470
DWG. A.N.C	SCALE 0 20 40 60 feet	



B249-0.002/1.7'- Sample number - Au assay in ounces per ton/Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U16-2

PROPERTY SAVANT LAKE GOLD PROJECT

DATE 17/07/84	N.T.S. 52 J/7	JOB 98470
DWG. A.N.C.	SCALE 0 20 40 60	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

Hole U 16-3
Sheet 1 of 3

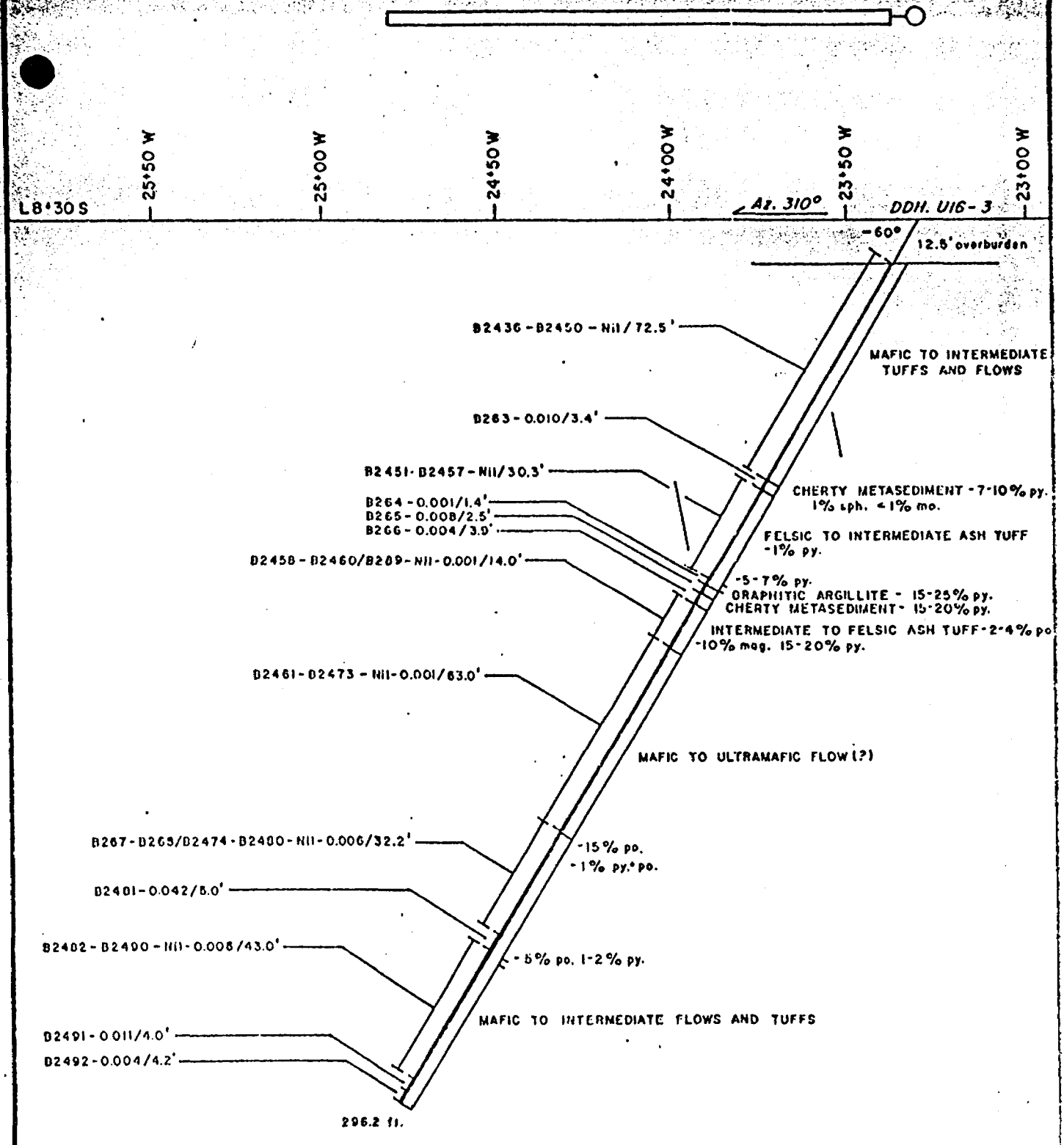
Job 98470 N.T.S. 52J/7	Objective To Test Geochemical High and Conductor	Core Location Marathon	Tests	Dip	Azimuth
Property Savant Lake Gold Project					
Township Conant	Drilling Co. St. Lambert Drilling	Distance to water 100 feet	At Collar	-60°	310°
Location: Line L8+30S		Casing Lost Nil	296.2'	-58°	
Station 23+30W	Commenced July 18, 1984				
Elevation	Completed July 20, 1984	Core Size BQ			
Logged W. Penno	Length 296.2 feet				

Remarks This hole is on the U16 north grid.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
0	14.0	OVERBURDEN						
14.0	86.5	MAFIC TO INTERMEDIATE TUFFS AND FLOWS	Green to grey, slightly foliated to laminated series of fine to coarse grained tuffs and flows. Most of unit altered to chlorite and quartz with secondary(?) blue quartz eyes. Calcareous with numerous carbonate veinlets. Occasional quartz veins up to 1-1/2" wide. Foliation at 40° to core axis.	B2436	14.0	19.0	5.0	Nil
				B2437	19.0	24.0	5.0	Nil
				B2438	24.0	29.0	5.0	Nil
				B2439	29.0	34.0	5.0	Nil
				B2440	34.0	39.0	5.0	Nil
				B2441	39.0	44.0	5.0	Nil
				B2442	44.0	49.0	5.0	Nil
				B2443	49.0	54.0	5.0	Nil
				B2444	54.0	59.0	5.0	Nil
				B2445	59.0	64.0	5.0	0.001
				B2446	64.0	69.0	5.0	Nil
				B2447	69.0	74.0	5.0	Nil
				B2448	74.0	79.0	5.0	0.001
				B2449	79.0	84.0	5.0	Nil
				B2450	84.0	86.5	2.5	Nil
86.5	89.9	CHERTY METASEDIMENT	Greenish-grey to grey, laminated and brecciated cherty metasediment. Calcareous, cut by a stockwork of hairline fractures. Unit contains 7-10% fine grained disseminated pyrite, 0.5-1%	B263	86.5	89.9	3.4	0.010

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
			yellow sphalerite and trace of fine-grained molybdenite.					
89.9	121.6	FELSIC TO INTERMEDIATE ASH TUFF	Light brown to green, fine-grained, finely laminated, containing 15-20% phlogopite, 10-15% blue quartz eyes and 1% pyrite. Unit cut by siliceous and calcareous hairline fractures. Also includes rare fine-grained mafic flows. 120.2-121.6 - Felsic tuff altered largely to sericite with 5-7% fine-grained disseminated pyrite.	B2451 B2452 B2453 B2454 B2455 B2456 B2457 B264	89.9 95.0 100.0 105.0 110.0 114.0 118.0 120.2	95.0 100.0 105.0 110.0 114.0 118.0 120.2 121.6	5.1 5.0 5.0 5.0 4.0 4.0 2.2 1.4	Nil Nil Nil Nil Nil Nil Nil 0.001
121.6	124.1	GRAPHITIC ARGILLITE (CONDUCTOR)	Black, finely laminated and fractured with 15-25% fine-grained pyrite in stringers. Contacts sharp and at 40-45° to core axis.	B265	121.6	124.1	2.5	0.008
124.1	128.0	CHERTY METASEDIMENT	Light greenish-grey, thinly bedded and laminated. Bedding at 40° to core axis. Siliceous, non-calcareous, slightly magnetic. Brecciated and deformed with 15-20% stockwork pyrite mineralization and 0.5-1% yellow sphalerite.	B266	124.1	128.0	3.9	0.004
128.0	143.0	INTERMEDIATE TO FELSIC ASH TUFF	Same as 89.9-121.6. Includes 8-12" wide zones with 2-4% fine-grained disseminated pyrrhotite. 134.7-136.9 - Similar to 124.1-128.0 with more silty beds. Slightly calcareous, strongly magnetic with distinct beds with up to 10% fine-grained disseminated magnetite. 15-20% pyrite in thin beds and fractures.	B2458 B2459 B269 B2460 B2461	128.0 131.5 135.3 137.5 142.0	131.5 135.3 137.5 142.0 147.0	3.5 3.8 2.2 4.5 5.0	0.001 Nil 0.001 Nil Nil
143.0	205.6	MAFIC TO ULTRAMAFIC FLOW (??)	Light green to grey, fine to coarse-grained, massive, becoming slightly foliated near lower contact. Entirely altered to talc and actinolite. Alteration increases towards lower contact.	B2462 B2463 B2464 B2465	147.0 152.0 157.0 162.0	152.0 157.0 162.0 167.0	5.0 5.0 5.0 5.0	Nil Nil Nil Nil

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Foot	Au oz/ton
				B2466	167.0	172.0	5.0	0.001
				B2467	172.0	177.0	5.0	0.001
				B2468	177.0	182.0	5.0	NIL
				B2469	182.0	187.0	5.0	NIL
				B2470	187.0	192.0	5.0	NIL
				B2471	192.0	197.0	5.0	NIL
				B2472	197.0	201.0	4.0	NIL
				B2473	201.0	205.0	4.0	NIL
205.6	296.2	MAFIC TO INTERMEDIATE FLOWS AND TUFFS	Similar to 14.0-86.5 with fewer quartz eyes and more phlogopite and quartz veining.	B2474	205.0	207.8	2.8	NIL
			207.8-208.9 - Calcareous sediment(?) with 15% pyrrhotite and trace of chalcopyrite.	B267	207.8	208.9	1.1	0.001
				B2475	208.9	210.9	2.0	NIL
			210.9-215.9 - Zone with numerous quartz veins up to 3" wide with 1% pyrite and pyrrhotite.	B268	210.9	215.9	5.0	Trace
				B2476	215.9	220.0	4.1	NIL
				B2477	220.0	225.0	5.0	NIL
				B2478	225.0	230.0	5.0	0.001
				B2479	230.0	235.0	5.0	NIL
				B2480	235.0	240.0	5.0	0.006
				B2481	240.0	245.0	5.0	0.042
			245.3-247.2 - Zone with numerous quartz veins up to 4" wide parallel to foliation at 30-35° to core axis; 5% pyrrhotite and 1-2% pyrite mineralization.	B2482	245.0	250.0	5.0	0.003
				B2483	250.0	255.0	5.0	0.002
				B2484	255.0	260.0	5.0	0.006
				B2485	260.0	265.0	5.0	NIL
				B2486	265.0	270.0	5.0	0.001
				B2487	270.0	275.0	5.0	0.001
				B2488	275.0	280.0	5.0	NIL
				B2489	280.0	284.0	4.0	0.002
				B2490	284.0	288.0	4.0	0.005
				B2491	288.0	292.0	4.0	0.011
				B2492	292.0	296.2	4.2	0.004
296.2		END OF HOLE						



B263-0.010/3.4' - Sample number - Au assay in ounces per ton/Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U 16-3

PROPERTY SAVANT LAKE GOLD PROJECT

DATE 20/07/84	N.T.S. 52 J/7	JOB 90470
DWG. A.N.C.	SCALE 0 20 40 60 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

Hole U 16-4
Sheet 1 of 2

Job 98470 N.T.S. 52J/7
Property Savant Lake Gold Project
Township Conant
Location: Line L4+30S
Station 14+50W
Elevation
Logged W. Penno

Objective Test Geochemical and Magnetic High
Drilling Co. St. Lambert Drilling
Commenced July 21, 1984
Completed July 23, 1984
Length 275.4 feet

Core Location Marathon
Distance to water 1,100 feet
Casing Lost
Core Size BQ

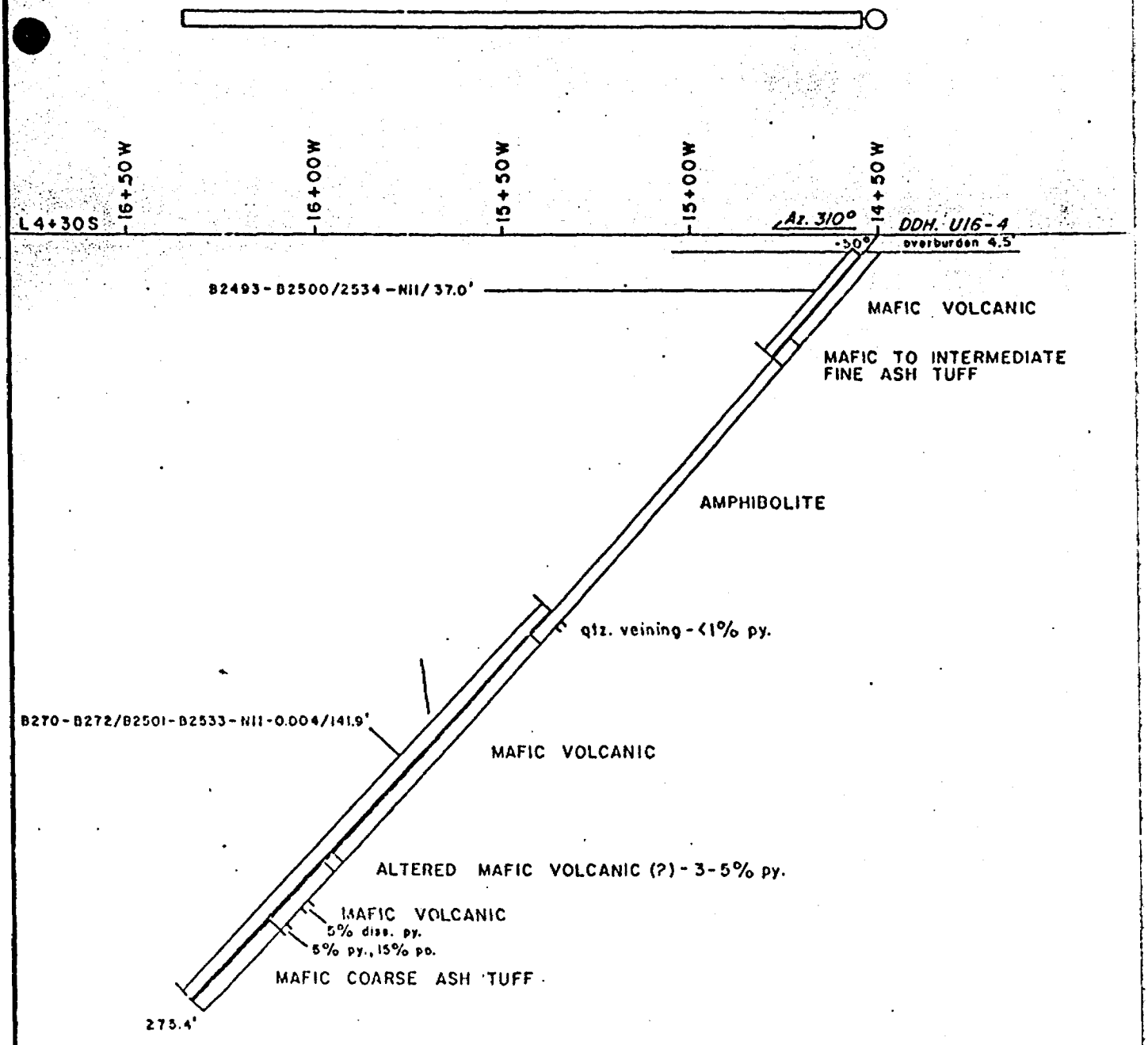
Tests

	Dip	Azimuth
At Collar	-50°	310°
275.4'	-46°	

Remarks This hole is on the U16 north grid.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
0	5.7	OVERBURDEN						
5.7	36.2	MAFIC VOLCANIC	Dark grey, fine to coarse-grained, calcareous with rare intermediate to felsic coarse ash tuff. Foliation at 55-60° to core axis. Includes thin (2-3") wide biotite-quartz-garnet sedimentry (?) beds. 30.2-31.8 - intermediate to felsic tuff.	B2493	6.5	11.0	4.5	NIL
				B2494	11.0	16.0	5.0	NIL
				B2495	16.0	21.0	5.0	NIL
				B2534	21.0	23.0	2.0	NIL
				B2496	23.0	26.0	3.0	NIL
				B2497	26.0	31.0	5.0	NIL
				B2498	31.0	36.0	5.0	NIL
36.2	43.5	MAFIC TO INTERMEDIATE FINE ASH TUFF	Light grey to green, fine-grained with 4-8" wide mafic volcanic flows or sills. Fine to medium-grained pyrite on fracture surfaces.	B2499	36.0	40.0	4.0	NIL
				B2500	40.0	43.5	3.5	NIL
43.5	142.0	AMPHIBOLITE	Dark green and white mottled, massive to slightly foliated. Composed of 60-70% coarse-grained amphibole crystals in a fine-grained matrix of quartz-feldspar and carbonate. 134.0-136.6 - Fold with quartz veining parallel to foliation, less than 1% pyrite.	B2501	133.5	137.0	3.5	NIL
				B2502	137.0	142.0	5.0	0.001
142.0	220.9	MAFIC VOLCANIC	Similar to 5.7-36.2 with distinct 2-8" wide brown quartz-feldspar-phlogopite bands. Foliation at	B2503	142.0	147.0	5.0	NIL
				B2504	147.0	149.0	2.0	0.001

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
			50° to core axis. Also includes thin amphibolite interbeds.	B2505	149.0	151.0	2.0	0.001
				B2506	151.0	156.0	5.0	NIL
			196.4-206.3 - Mafic volcanic with 10-15% medium to coarse-grained garnet porphyroblasts.	B2507	156.0	161.0	5.0	NIL
				B2508	161.0	166.0	5.0	NIL
				B2509	166.0	171.0	5.0	NIL
220.9	224.1	ALTERED MAFIC VOLCANIC (??)	Dark grey, finely laminated with thin (less than 1/8") silty and cherty beds. Siliceous and fractured with 3-5% fine-grained pyrite in thin beds and fractures.	B2510	171.0	176.0	5.0	NIL
				B2511	176.0	181.0	5.0	NIL
				B2512	181.0	186.0	5.0	0.001
				B2513	186.0	191.0	5.0	0.001
				B2514	191.0	194.0	3.0	0.001
				B2515	194.0	198.0	4.0	NIL
				B2516	198.0	203.0	5.0	0.001
				B2517	203.0	207.0	4.0	0.001
				B2518	207.0	210.0	3.0	NIL
				B2519	210.0	213.0	3.0	0.001
				B2520	213.0	217.0	4.0	NIL
				B2521	217.0	220.9	3.9	0.001
				B270	220.9	224.1	3.2	0.001
224.1	244.8	MAFIC VOLCANIC	Similar to 142.0-220.9 with more bleached and silicified alteration zones.	B2522	224.1	228.0	3.9	NIL
				B2523	228.0	231.0	3.0	0.001
			234.8-237.8 - Silicified and brecciated altered mafic volcanic (?) with 5% fine-grained disseminated pyrite.	B2524	231.0	234.9	3.9	0.001
				B271	234.8	237.8	3.0	0.002
				B2525	237.8	240.0	2.2	0.001
			242.3-244.8 - Zone with 5% pyrite and 15% pyrrhotite in thin (up to 1/4") beds and fine-grained disseminations.	B2526	240.0	242.3	2.3	NIL
				B272	242.3	244.8	2.5	0.001
244.8	275.4	MAFIC COARSE ASH TUFF	Dark green, finely laminated with 5-8% blue quartz eyes up to 1/16" in size. Upper part of unit more siliceous with up to 30% quartz.	B2527	244.8	249.0	4.2	0.001
				B2528	249.0	254.0	5.0	0.001
				B2529	254.0	259.0	5.0	0.004
				B2530	259.0	264.0	5.0	NIL
				B2531	264.0	268.0	4.0	NIL
275.4		END OF HOLE		B2532	268.0	272.0	4.0	NIL
				B2533	272.0	275.4	3.4	NIL



B270-0.001/3.2' - Sample Number - Au assay in ounces per ton/Length in feet

TECK EXPLORATIONS LIMITED		
Section through DDH. U16-4		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: 23/07/84	N.T.S.: 52 J/7	JOB: 98470
DWG.: V.A.B.	SCALE: 0 20 40 60 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

Hole U 16-5
Sheet 1 of 3

Job 98470 N.T.S. 52J/7
Property Sevent Lake Gold Project
Township Conant
Location: Line L3+30N
Station 17+00W
Elevation
Logged W. Ponno

Objective To Test a Geochemical and Magnetic High
Drilling Co. St. Lambert Drilling
Commenced July 24, 1984
Completed July 26, 1984
Length 295.0 feet

Core Location Marathon
Distance to water 750 feet
Casing Lost Nil
Core Size BQ

Tests

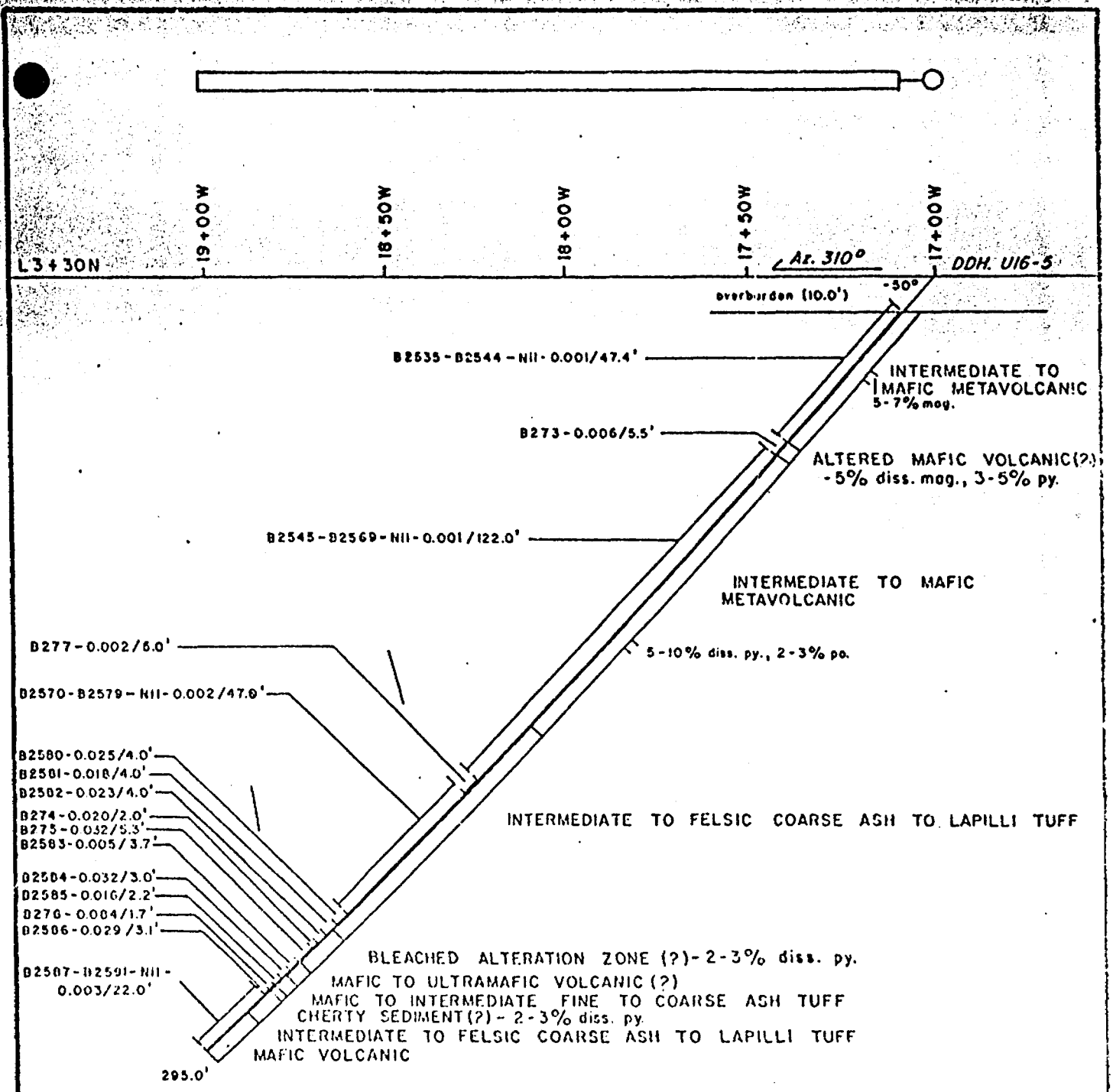
	Dip	Azimuth
At Collar	-50°	310°
295.0'	-43°	

Remarks This hole is on the U16 north grid.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
0	13.1	OVERBURDEN						
13.1	60.5	INTERMEDIATE TO MAFIC METAVOLCANIC	Dark green to grey, fine to medium-grained biotite-chlorite and quartz-feldspar rich bands. Bands from 1/4" to 1-1/2" wide parallel foliation at 60° to core axis. Contains 3-5% blue quartz eyes up to 1/16" in size. Unit includes thin sedimentry(?) beds with 10-20% fine-grained disseminated magnetite. 32.3-34.5 - Bleached zone of quartz, biotite and chlorite with 5-7% disseminated magnetite.	B2535	13.1	18.0	4.9	Nil
				B2536	18.0	23.0	5.0	Nil
				B2537	23.0	28.0	5.0	Nil
				B2538	28.0	33.0	5.0	Nil
				B2539	33.0	38.0	5.0	0.001
				B2540	38.0	43.0	5.0	Nil
				B2541	43.0	48.0	5.0	Nil
				B2542	48.0	53.0	5.0	Nil
				B2543	53.0	57.0	4.0	0.001
				B2544	57.0	60.5	3.5	0.001
60.5	66.0	ALTERED MAFIC VOLCANIC (??)	Light grey, fine-grained, finely laminated. Slightly more argillaceous near upper and lower contacts. Contains 5% disseminated magnetite and 3-5% pyrite.	B273	60.5	66.0	5.5	0.006
				B2545	66.0	70.0	4.0	0.001
66.0	167.4	INTERMEDIATE TO MAFIC METAVOLCANIC	Same as 13.1-60.5 131.7-133.7 - Bleached and altered zone, slightly magnetic with 5-10% disseminated pyrite and 2-3% pyrrhotite.	B2546	70.0	75.0	5.0	0.001
				B2547	75.0	80.0	5.0	0.001
				B2548	80.0	85.0	5.0	0.001
				B2549	85.0	90.0	5.0	Nil

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
				B2550	90.0	95.0	5.0	Nil
				B2551	95.0	100.0	5.0	Nil
				B2552	100.0	105.0	5.0	Nil
				B2553	105.0	110.0	5.0	Nil
				B2554	110.0	115.0	5.0	Nil
				B2555	115.0	120.0	5.0	Nil
				B2556	120.0	125.0	5.0	Nil
				B2557	125.0	130.0	5.0	Nil
				B2558	130.0	135.0	5.0	Nil
				B2559	135.0	140.0	5.0	Nil
				B2560	140.0	145.0	5.0	Nil
				B2561	145.0	150.0	5.0	0.001
				B2562	150.0	155.0	5.0	Nil
				B2563	155.0	160.0	5.0	Nil
				B2564	160.0	165.0	5.0	Nil
				B2565	165.0	170.0	5.0	Nil
167.4	246.4	INTERMEDIATE TO FELSIC COARSE ASH TO LAPILLI TUFF	Light grey to white with 5-20% fine-grained black magnetite and biotite parallel to foliation. Sericitic with up to 5% blue quartz eyes. Foliation at 60° to core axis. Occasional quartz vein with bleached alteration zones up to 6" wide with 3-5% fine-grained disseminated magnetite and 3-5% pyrite. Unit includes occasional intermediate to mafic flows and sediments.	B2566	170.0	175.0	5.0	0.001
				B2567	175.0	180.0	5.0	Nil
				B2568	180.0	185.0	5.0	Nil
				B2569	185.0	188.0	3.0	Nil
				B277	188.0	193.0	5.0	0.002
				B2570	193.0	198.0	5.0	0.001
				B2571	198.0	203.0	5.0	Nil
				B2572	203.0	207.0	4.0	0.001
				B2573	207.0	210.0	3.0	0.001
				B2574	210.0	215.0	5.0	Nil
				B2575	215.0	220.0	5.0	0.002
				B2576	220.0	225.0	5.0	0.001
				B2577	225.0	230.0	5.0	0.001
				B2578	230.0	235.0	5.0	Nil
				B2579	235.0	240.0	5.0	Nil
				B2580	240.0	244.0	4.0	0.025

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
246.4	259.3	BLEACHED ALTERATION ZONE (?)	Similar to 60.5-66.0, becoming slightly more argillaceous near lower contact. Contains 2-3% fine-grained disseminated pyrite. 252.0-254.0 - Silicified zone with 3-5% disseminated pyrite. 254.0-259.3 - Altered with 5-10% fine-grained disseminated pyrite.	B2581	244.0	248.0	4.0	0.018
				B2582	248.0	252.0	4.0	0.023
				B274	252.0	254.0	2.0	0.020
				B275	254.0	259.3	5.3	0.032
259.3	264.2	MAFIC TO ULTRAMAFIC VOLCANIC (??)	Dark green and white, finely laminated, altered to talc with randomly oriented subhedral to euhedral actinolite porphyroblasts. Flattened quartz augen parallel foliation at 55° to core axis.	B2583	259.3	263.0	3.7	0.005
264.2	268.2	MAFIC TO INTERMEDIATE FINE TO COARSE ASH TUFF	Green and white, finely laminated, altered to chlorite and actinolite. Quartz veins and augen parallel to foliation at 55° to core axis.	B2584	263.0	266.0	3.0	0.032
				B2585	266.0	268.2	2.2	0.016
268.2	269.9	CHERTY SEDIMENT (?)	Light grey, fine-grained, siliceous containing 2-3% fine-grained disseminated pyrite. Contacts sharp.	B276	268.2	269.9	1.7	0.084
269.9	279.1	INTERMEDIATE TO FELSIC COARSE ASH TO LAPILLI TUFF	Similar to 167.4-246.4. Non-magnetic with numerous quartz veins and augen parallel to foliation. More chloritic near lower contact.	B2586	269.9	273.0	3.1	0.029
				B2587	273.0	277.0	4.0	0.003
				B2588	277.0	282.0	5.0	0.001
279.1	295.0	MAFIC VOLCANIC	Dark green, massive to slightly foliated with medium to coarse-grained amphibole crystals. Minor pyrrhotite mineralization. Includes rare, thin (up to 4" wide) felsic sedimentry (?) beds.	B2589	282.0	287.0	5.0	NIL
				B2590	287.0	291.0	4.0	0.003
				B2591	291.0	295.0	4.0	0.001
295.0		END OF HOLE						



B273 - 0.006/5.5' - Sample number - Au assay in ounces per ton/Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U16-5

PROPERTY: SAVANT LAKE GOLD PROJECT

DATE: 26/07/04	N.T.S.: 52 J/7	JOB: 98470
DWG.: V.A.B.	SCALE: 0 20 40 60 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

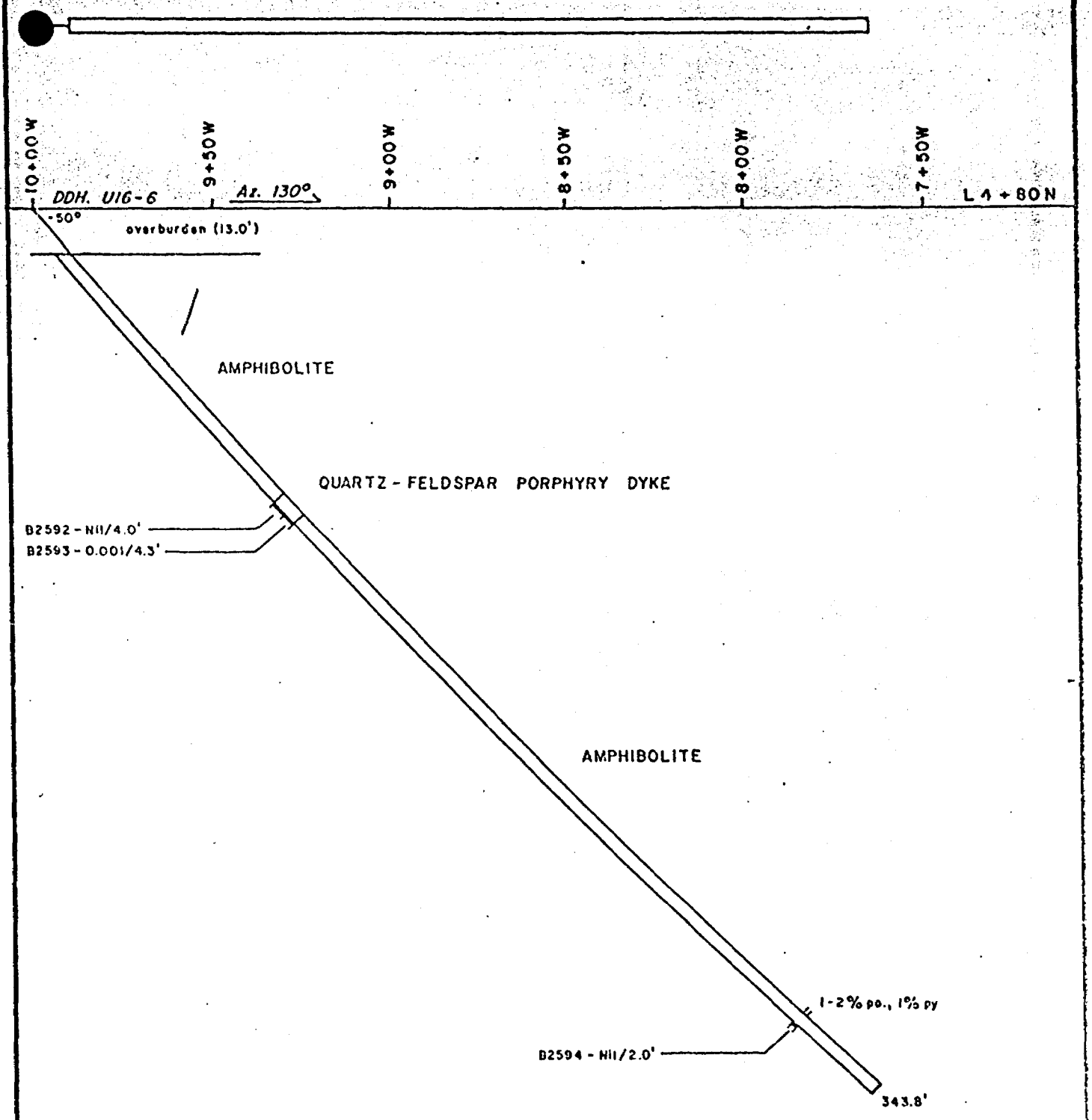
Hole U 16-6
Sheet 1 of 1

Job 98470 N.T.S. 52J/7	Objective To Test Geochemical and Magnetic High	Core Location Marathon	Tests
Property Savant Lake Gold Project			Dip / Azimuth
Township Conant	Drilling Co. St. Lembert Drilling	Distance to water 650 feet	At Collar -50° 130°
Location: Line L4+80N		Casing Lost Nil	343.8' -43°
Station 10+00W	Commenced July 27, 1984		
Elevation	Completed July 30, 1984	Core Size BQ	
Logged W. Penno	Length 343.8 feet		

Remarks This hole is on the U16 north grid.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
0	17.6	OVERBURDEN						
17.6	107.1	AMPHIBOLITE	Dark green and white, mottled, massive to slightly foliated. Composed of 60-80% medium to coarse-grained amphibole crystals in a fine-grained quartz-carbonate-feldspar(?) matrix. Foliation at 60° to core axis. Core broken and blocky.					
107.1	115.3	QUARTZ-FELDSPAR PORPHYRY DYKE	Light grey, fine to medium-grained, massive to slightly foliated. Composed of 20-30% white euhedral to subhedral feldspar (plagioclase) crystals and 20-25% grey to blue anhedral quartz eyes and crystals in a fine grained quartz-feldspar-biotite matrix.	B2592 B2593	107.0 111.0	111.0 115.3	4.0 4.3	Nil 0.001
115.3	343.8	AMPHIBOLITE	Same as 17.1-107.1. Includes occasional fine grained phlogopite-rich bands and beds up to 2 feet wide. 314.4-315.8 - Altered mafic volcanic with 1-2% pyrrhotite and 1% pyrite.	B2594	314.0	316.0	2.0	Nil
343.8		END OF HOLE						

C KP-42 Feb/85

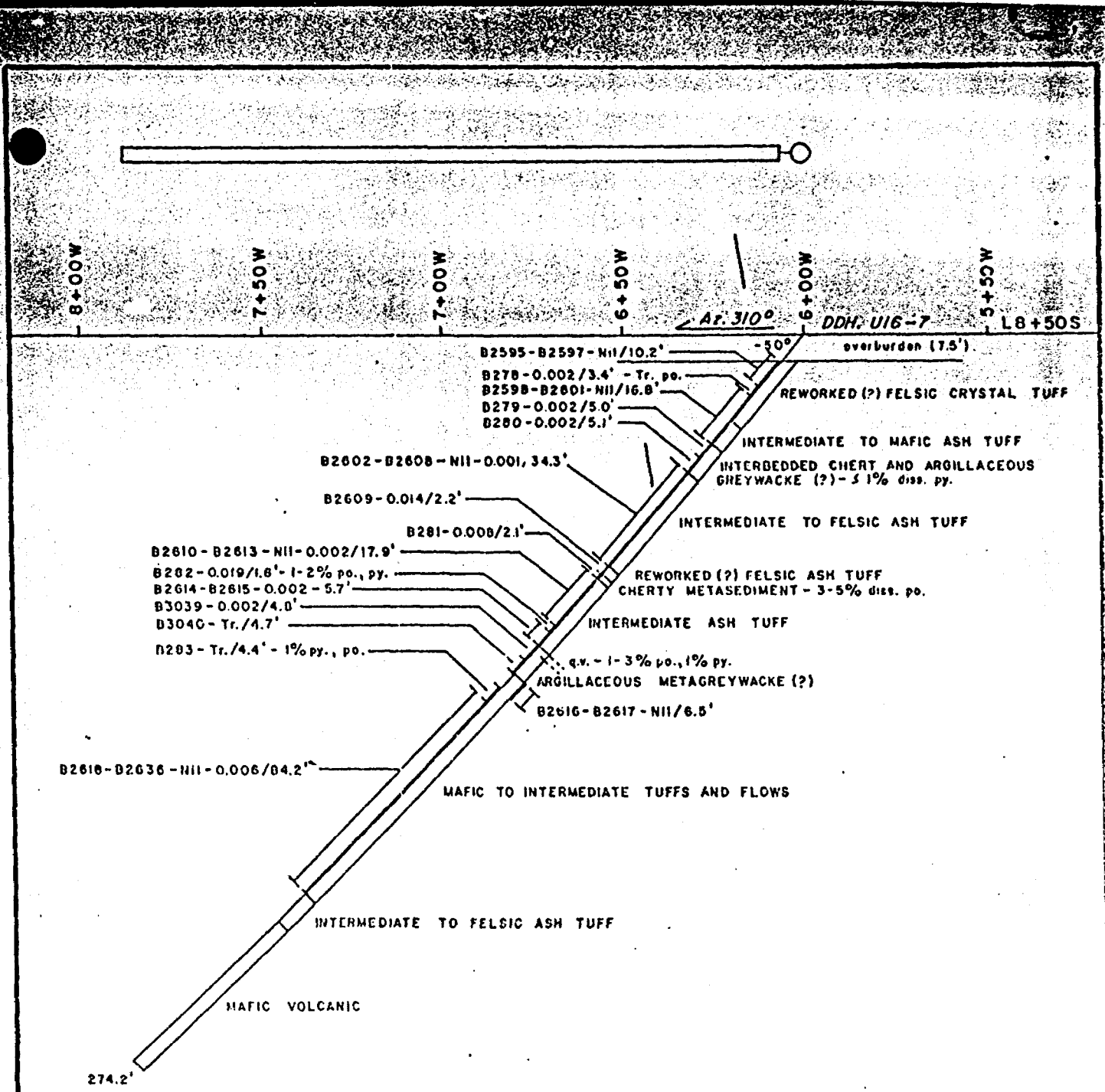


B2592 - Nil/4.0' – Sample number - Au assay in ounces per ton/Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U16-6

PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: 27/07/84	N.T.S.: 52 J/7	JOB: 98470
DWG.: V.A.B.	SCALE: 0 20 40 60 feet	



B278 - 0.002/3.4' - Sample number - Au in ounces per ton / Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U16-7

PROPERTY: SAVANT LAKE GOLD PROJECT

DATE: 01/08/84	N.T.S.: 52 J/7	JOB: 80470
DWG.: V.A.B	SCALE: 0 20 40 60

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

Hole U 16-8
Sheet 1 of 4

Job 98470 N.T.S. 52J/7
Property Savant Lake Gold Project
Township Conant
Location: Line 8+60S
Station 3+40W
Elevation
Logged W. Penno

Objective To Test Geochemical and Magnetic Highs and Conductor
Drilling Co. St. Lambert Drilling
Commenced August 1, 1984
Completed August 4, 1984
Length 362.6 feet

Core Location Marathon
Distance to water 1,400 feet
Casing Lost Nil
Core Size BQ

Tests

	Dip	Azimuth
At Collar	-50°	310°
362.6	-42.5°	

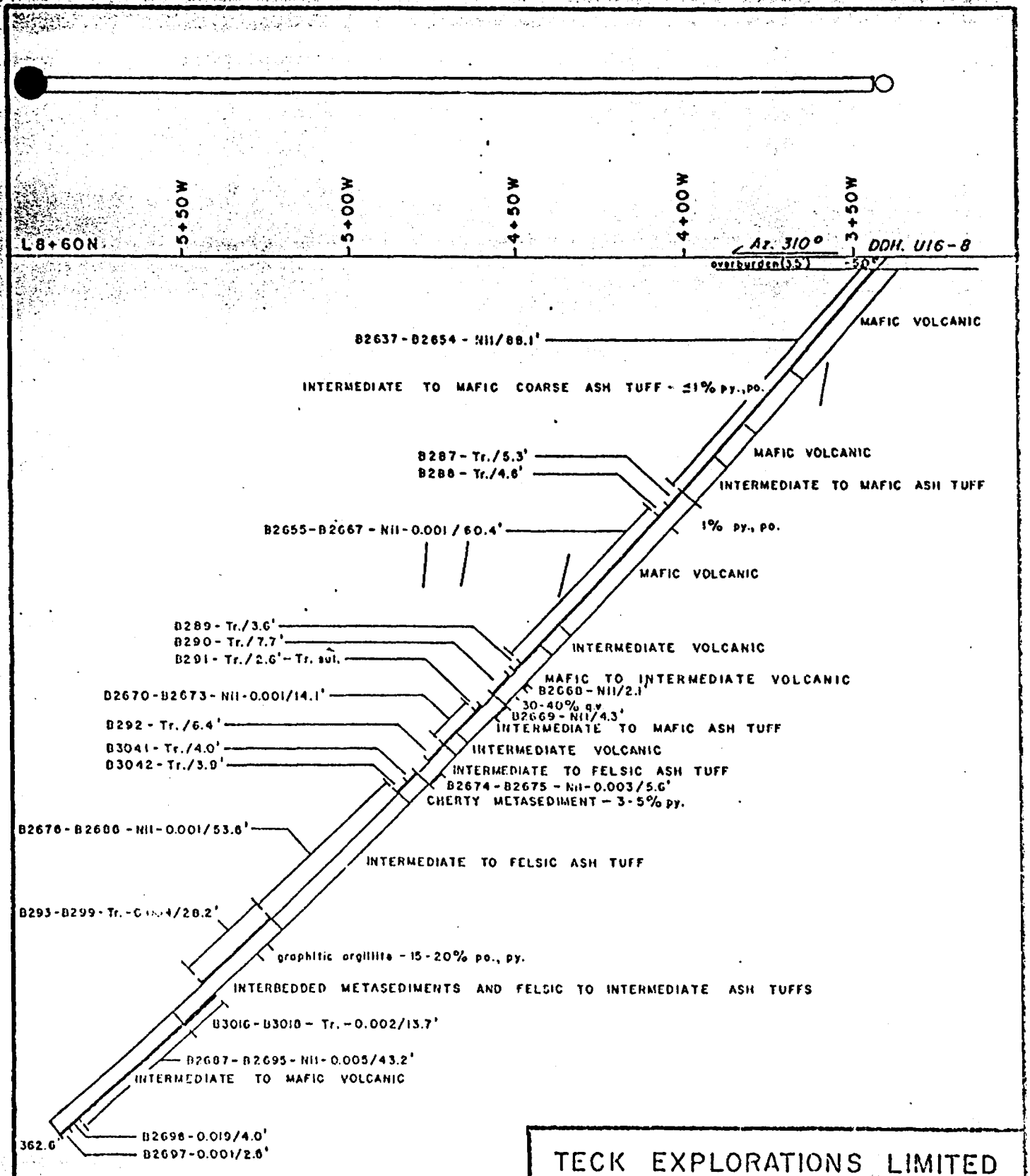
Remarks This hole is on the U16 north grid.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
0	4.6		Casing					
4.6	43.8	MAFIC VOLCANIC	Dark green to black, fine to medium-grained, composed of biotite, chlorite, quartz and feldspar. Cut by thin carbonate veinlets parallel to foliation at 30° to core axis. 5.8-14.4 - Fine-grained to aphanitic mafic volcanic flow or sill.	B2637	4.6	10.0	5.4	Nil
				B2638	10.0	15.0	5.0	Nil
				B2639	15.0	20.0	5.0	Nil
				B2640	20.0	25.0	5.0	Nil
				B2641	25.0	30.0	5.0	Nil
				B2642	30.0	35.0	5.0	Nil
				B2643	35.0	40.0	5.0	Nil
43.8	65.3	INTERMEDIATE TO MAFIC COARSE ASH TUFF	Green to grey, finely laminated with 5-10% white to grey, subhedral to anhedral feldspar (plagioclase?) and quartz porphyroblasts up to 3/32" in size. Ash-sized fragments altered in part to carbonate. Unit contains < 1% disseminated pyrite and pyrrhotite.	B2644	40.0	45.0	5.0	Nil
				B2645	45.0	50.0	5.0	Nil
				B2646	50.0	55.0	5.0	Nil
				B2647	55.0	60.0	5.0	Nil
				B2648	60.0	65.0	5.0	Nil
65.3	78.4	MAFIC VOLCANIC	Similar to 4.6-43.8 with occasional tuffaceous horizons with white feldspar porphyroblasts as in 43.8-65.3.	B2649	65.0	70.0	5.0	Nil
				B2650	70.0	75.0	5.0	Nil
				B2651	75.0	80.0	5.0	Nil
				B2652	80.0	85.0	5.0	Nil
78.4	92.7	INTERMEDIATE TO MAFIC ASH TUFF	Dark green to brown, finely laminated with fine to coarse, felsic to intermediate ash-sized	B2653	85.0	89.0	4.0	Nil
				B2654	89.0	92.7	3.7	Nil

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
			fragments in a fine-grained chlorite-biotite matrix. Unit includes rare mafic flows and lapilli tuff.					
92.7	147.0	MAFIC VOLCANIC	Similar to 4.6-43.8, becoming amygdaloidal (?) towards center of flow. Amygdules less than 1/16" in size, filled with feldspar and quartz. Unit cut by a series of 1/8 - 8" wide quartz veins.	B287	92.7	98.0	5.3	Trace
				B288	98.0	102.6	4.6	Trace
				B2655	102.6	105.0	2.4	Nil
				B2656	105.0	110.0	5.0	Nil
				B2657	110.0	115.0	5.0	Nil
			92.7-102.6 - Zone containing a series of quartz veins varying from 1/8 - 2" in width. Veins generally parallel foliation, containing less than 1% pyrite and pyrrhotite.	B2658	115.0	120.0	5.0	0.001
				B2659	120.0	125.0	5.0	Nil
				B2660	125.0	130.0	5.0	Nil
				B2661	130.0	135.0	5.0	0.001
				B2662	135.0	140.0	5.0	0.001
147.0	155.4	INTERMEDIATE VOLCANIC	Dark grey, slightly foliated, composed of 60-70% fine to medium-grained, grey to blue quartz and white feldspar and 20-30% fine grained biotite and chlorite. Foliation at 30° to core axis.	B2663	140.0	145.0	5.0	0.001
				B2664	145.0	150.0	5.0	0.001
				B2665	150.0	155.0	5.0	0.001
				B2666	155.0	159.0	4.0	Nil
				B2667	159.0	163.0	4.0	Nil
155.4	176.4	MAFIC TO INTERMEDIATE VOLCANIC	Dark green to grey, fine to medium-grained, slightly foliated with occasional porphyroblastic sections. Unit cut by numerous quartz veins ranging from 1/4 - 6" in width with less than or equal to 1% associated pyrite and pyrrhotite mineralization.	B289	163.0	166.6	3.6	Trace
				B2668	166.6	168.7	2.1	Nil
			168.7-176.4 - Zone composed of 30-40% quartz veins.	B290	168.7	176.4	7.7	Trace
176.4	192.0	INTERMEDIATE TO MAFIC ASH TUFF	Same at 78.4-92.7	B2669	176.4	180.7	4.3	Nil
			180.7-183.3 - White quartz veins with trace of sulphides. Contacts at 30° to core axis.	B291	180.7	183.3	2.6	Trace
				B2670	183.3	186.0	2.7	Nil
				B2671	186.0	191.0	5.0	Nil
192.0	197.4	INTERMEDIATE VOLCANIC	Same as 147.0-155.4.	B2672	191.0	195.0	4.0	0.001
				B2673	195.0	197.4	2.4	Nil

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
197.4	209.4	INTERMEDIATE TO FELSIC ASH TUFF	Medium to light grey, finely laminated, cut by a series of quartz veins ranging from 1-20" in size, generally parallel foliation at 35° to core axis. Trace of sulphides associated with quartz veins. 197.4-203.8 - Zone with numerous quartz veins, trace of sulphides.	B292	197.4	203.8	6.4	Trace
				B2674	203.8	206.0	2.2	Nil
				B2675	206.0	209.4	3.4	0.003
209.4	217.3	CHERTY METASEDIMENT	Light grey, finely laminated and fractured with 3-5% fine-grained pyrite in thin beds and stringers. Bedding parallel to foliation at 40° to core axis. Contains 2" wide band of massive pyrrhotite.	B3041	209.4	213.4	4.0	Trace
				B3042	213.4	217.3	3.9	Trace
217.3	270.9	INTERMEDIATE TO FELSIC ASH TUFF	Similar to 197.4-209.4. Calcareous with white carbonatized ash-sized felsic fragments parallel foliation at 40° to core axis. Contains a number of white to grey quartz veins from 2-6" in size.	B2676	217.3	222.0	4.7	Nil
				B2677	222.0	227.0	5.0	Nil
				B2678	227.0	232.0	5.0	Nil
				B2679	232.0	237.0	5.0	Nil
				B2680	237.0	242.0	5.0	Nil
				B2681	242.0	247.0	5.0	Nil
				B2682	247.0	252.0	5.0	Nil
				B2683	252.0	257.0	5.0	Nil
				B2684	257.0	262.0	5.0	0.001
				B2685	262.0	267.0	5.0	0.001
				B2686	267.0	270.9	3.9	Nil
270.9	312.8	INTERBEDDED METASEDIMENTS AND FELSIC TO INTERMEDIATE ASH TUFFS	Light grey to brown, finely laminated, calcareous. Metasediments are dominantly mineralized greywackes and graphitic argillites containing 10-20% pyrrhotite and pyrite mineralization as massive beds and stringers. 272.4-277.6 - Silicified and sericitized felsic coarse ash tuff.	B293	270.9	272.4	1.5	0.004
				B294	272.4	277.6	5.2	Trace
				B295	277.6	282.5	4.9	0.002
				B296	282.5	284.4	1.9	0.004
				B297	284.4	289.7	5.3	Trace
				B298	289.7	294.3	4.6	Trace
				B299	294.3	299.1	4.8	Trace
				B3016	299.1	303.8	4.7	0.002

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
		CONDUCTOR	282.5-284.4 - Graphitic argillite with 15-20% pyrrhotite, minor pyrite.	B3017	303.8	308.2	4.4	0.002
				B3018	308.2	312.8	4.6	Trace
312.8	362.6	INTERMEDIATE TO MAFIC VOLCANIC	Green and brown banded due to chlorite-amphibole and biotite rich zones. Laminated to slightly foliated. Includes minor ash tuff.	B2687	312.8	317.0	4.2	Nil
				B2688	317.0	322.0	5.0	0.005
				B2689	322.0	327.0	5.0	0.002
				B2690	327.0	332.0	5.0	Nil
				B2691	332.0	337.0	5.0	Nil
				B2692	337.0	342.0	5.0	Nil
				B2693	342.0	347.0	5.0	0.001
				B2694	347.0	352.0	5.0	Nil
				B2695	352.0	356.0	4.0	Nil
				B2696	356.0	360.0	4.0	0.019
				B2697	360.0	362.6	2.6	0.001
362.6		END OF HOLE						



B287 - Tr./5.3' - Sample number - Au assay in ounces per ton / Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U16-8

PROPERTY: SAVANT LAKE GOLD PROJECT

DATE: 04/08/84	N.T.S.: 52 J/7	JOB: 98-170
DWG.: V.A.B	SCALE: 0 20 40 Feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

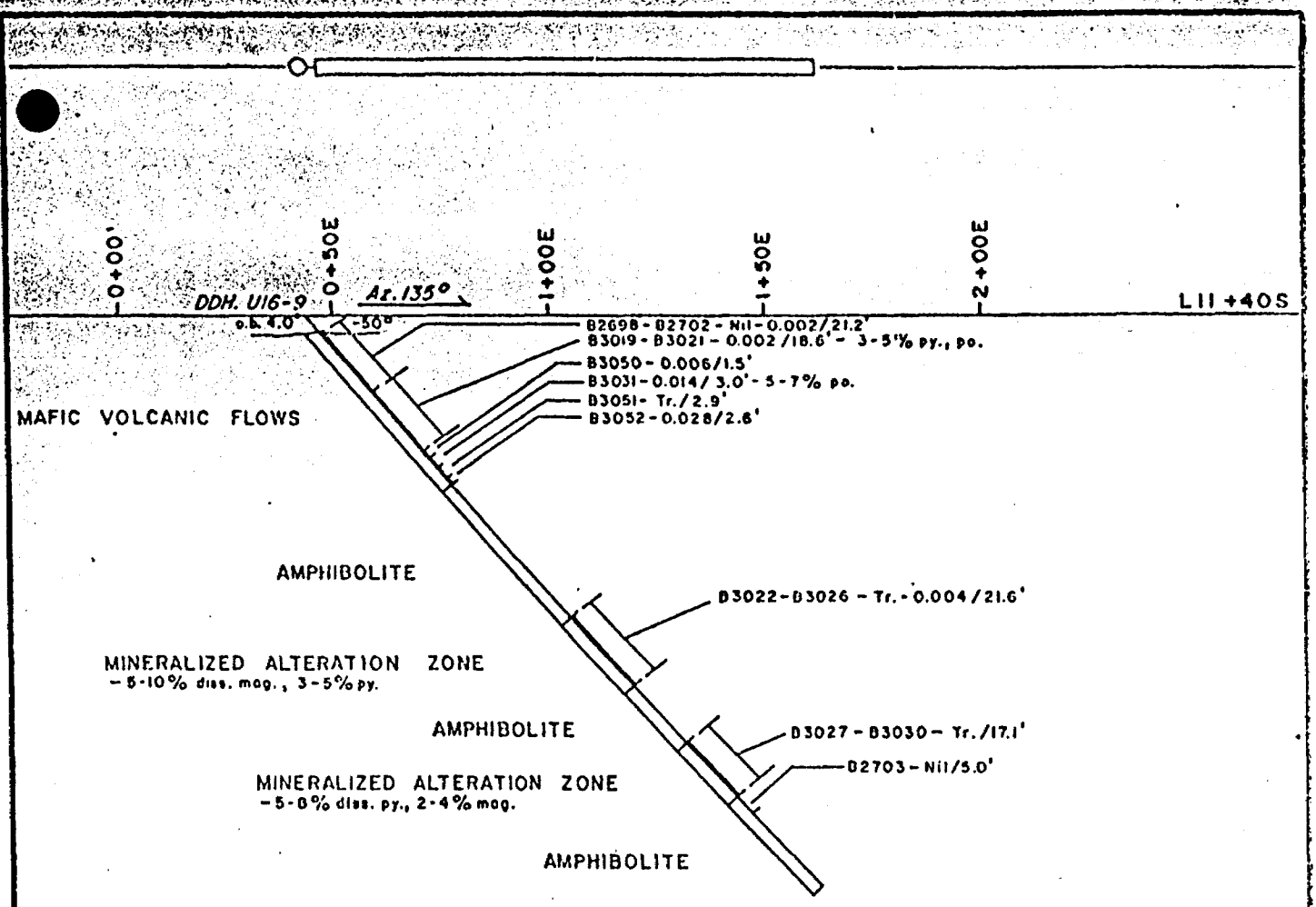
Hole U 16-9
Sheet 1 of 2

Job 98470 N.T.S. 52J/7	Objective To Test Geochemical and Magnetic Anomaly	Core Location Marathon	Tests
Property Sevent Lake Gold Project			
Township Conant	Drilling Co. St. Lambert	Distance to water 1,100 feet	At Collar: Dip -50°, Azimuth 135°
Location: Line 11+40S		Casing Lost Nil	176.8: -46°
Station 0+44E	Commenced August 4, 1984		
Elevation	Completed August 4, 1984	Core Size BQ	
Logged K. Penno	Length 176.8 feet		

Remarks This hole is on the U16 central grid.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
0	2.5		Casing					
2.5	52.3	MAFIC VOLCANIC FLOWS	Dark green with brown bands. Fine to medium-grained, composed of chlorite and amphibole with lesser amount of quartz-feldspar and carbonate. Brown bands due to alteration of chlorite to phlogopite. Feldspar at 60° to core axis. Numerous quartz-carbonate veins parallel foliation.	B2698	2.5	5.0	2.5	Nil
				B2699	5.0	10.0	5.0	Nil
				B2700	10.0	15.0	5.0	Nil
				B2701	15.0	20.0	5.0	Nil
				B2702	20.0	23.7	3.7	0.002
			23.7-42.3 - Zone with 25-35% quartz veins, varying in width from 1/4 - 15". Section contains 3-5% pyrite and pyrrhotite mineralization overall.	B3019	23.7	29.8	6.1	0.002
				B3020	29.8	35.1	5.3	0.002
				B3021	35.1	42.3	7.2	0.002
				B3050	42.3	43.8	1.5	0.006
			43.8-46.8 - Bleached and altered mafic volcanic with 5-7% pyrrhotite in thin stringers.	B3031	43.8	46.8	3.0	0.014
				B3051	46.8	49.7	2.9	Trace
				B3052	49.7	52.3	2.6	0.028
52.3	93.1	AMPHIBOLITE	Dark green, mottled, massive to slightly foliated, composed of 60-80% medium to coarse-grained amphibole crystals and chlorite in a matrix of fine-grained quartz, feldspar and carbonate.					

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/ton
93.1	114.7	MINERALIZED ALTERATION ZONE	Light grey, massive, becoming finely laminated near upper and lower contacts. Composed essentially of quartz and feldspar with 5-10% fine-grained disseminated magnetite and 3-5% pyrite. Unit slightly calcareous. Correlates with 162.3-191.0 in DDH U16-2.	B3022	93.1	97.0	3.9	Trace
				B3023	97.0	101.0	4.0	0.002
				B3024	101.0	105.7	4.7	0.002
				B3025	105.7	110.4	4.7	0.002
				B3026	110.4	114.7	4.3	0.004
114.7	132.4	AMPHIBOLITE	Same as 52.3-93.1.					
132.4	149.5	MINERALIZED ALTERATION ZONE	Similar to 93.1-114.7, but more brecciated and silicified. Finely laminated and less altered near contacts. Contains 5-8% fine-grained disseminated pyrite and 2-4% fine-grained magnetite. Correlates with 204.0-230.6 in DDH U16-2.	B3027	132.4	137.6	5.2	Trace
				B3028	137.6	142.2	4.6	Trace
				B3029	142.2	147.1	4.9	Trace
				B3030	147.1	149.5	2.4	Trace
149.5	176.8	AMPHIBOLITE	Same as 52.3-93.1.	B2703	149.5	154.5	5.0	Nil
176.8		END OF HOLE						



B3050 - 0.006/1.5' - Sample number - Au assay in ounces per ton/Length in feet

TECK EXPLORATIONS LIMITED

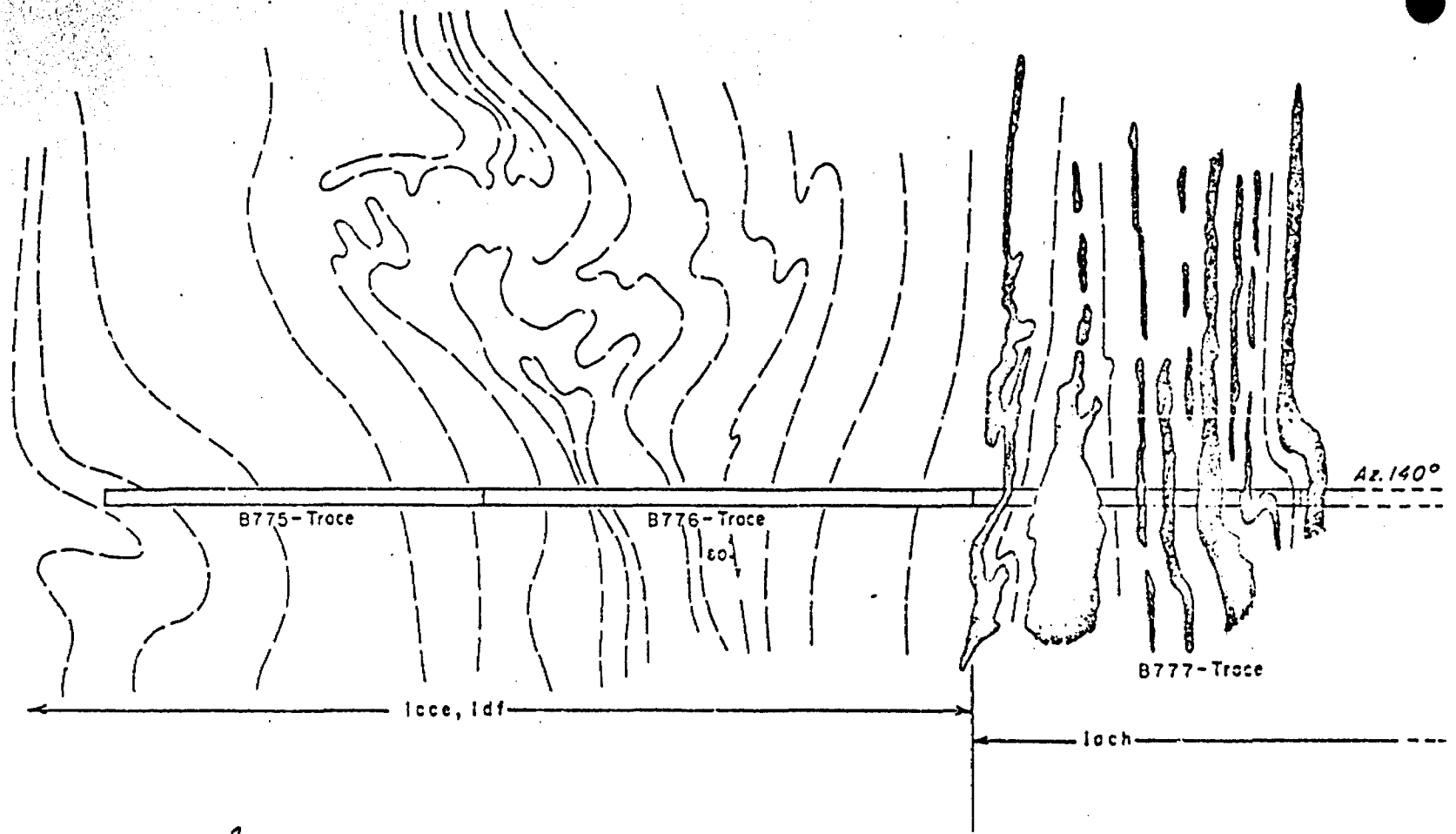
Section through DDH. U16 - 9

PROPERTY: SAVANT LAKE GOLD PROJECT

DATE: 04/08/84	N.T.S.: 52 J/7	JOB: 98470
DWG.: B.G.H.	SCALE: 0 20 40 60 feet	

APPENDIX C

U-16 CHANNEL SKETCHES



quartz vein

foliation trend

B777-Trace - Sample number - Gold in ounces per ton

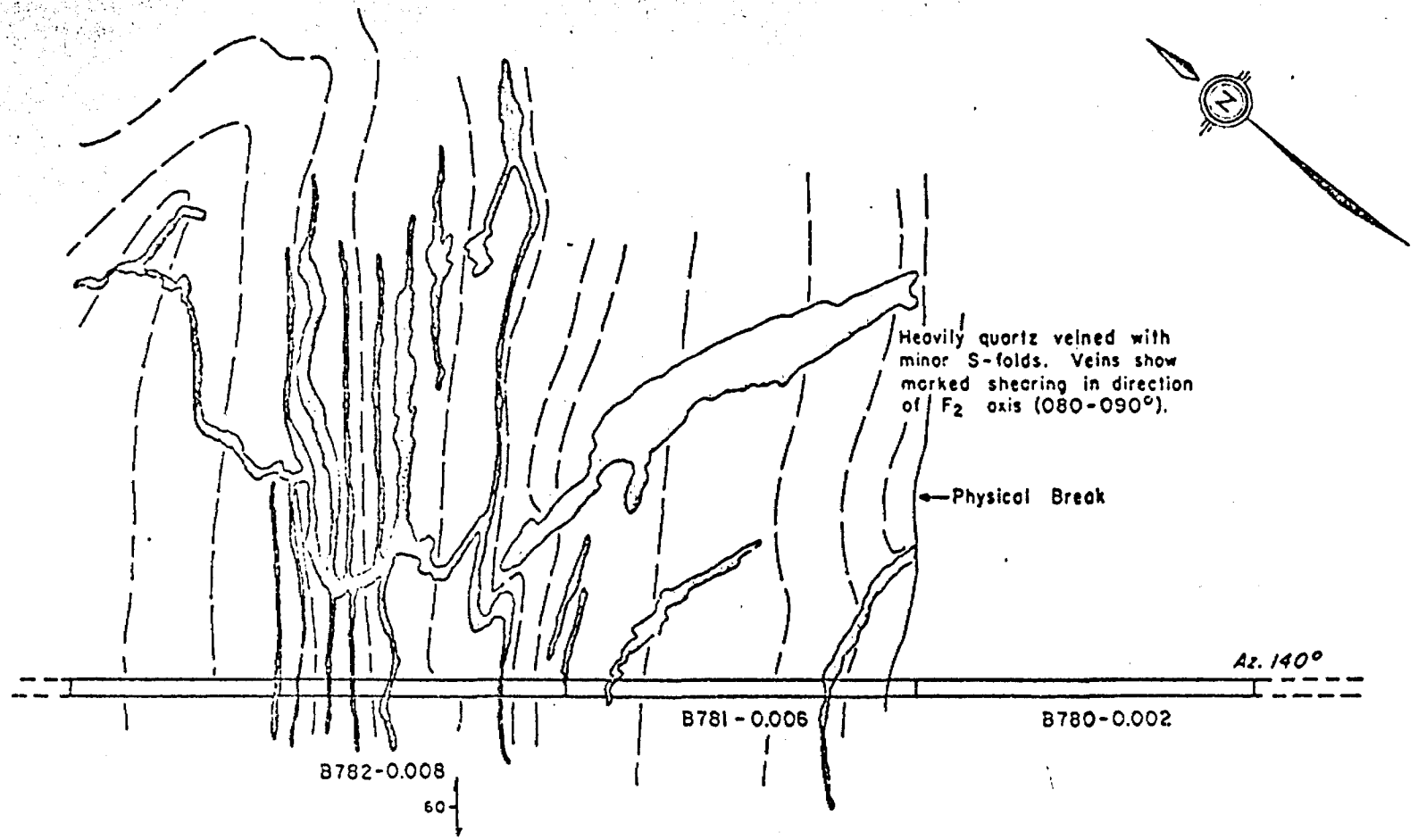
SAVANT LAKE GOLD PROJECT

GEOLOGY CHANNEL K

CENTRAL AREA

0 1 2 feet

1 inch = 1.0 feet



1 o c h, 2 a, 4 b – 20-40% quartz veining

B782-0.008 - Sample number - Gold in ounces per ton

quartz vein

foliation trend

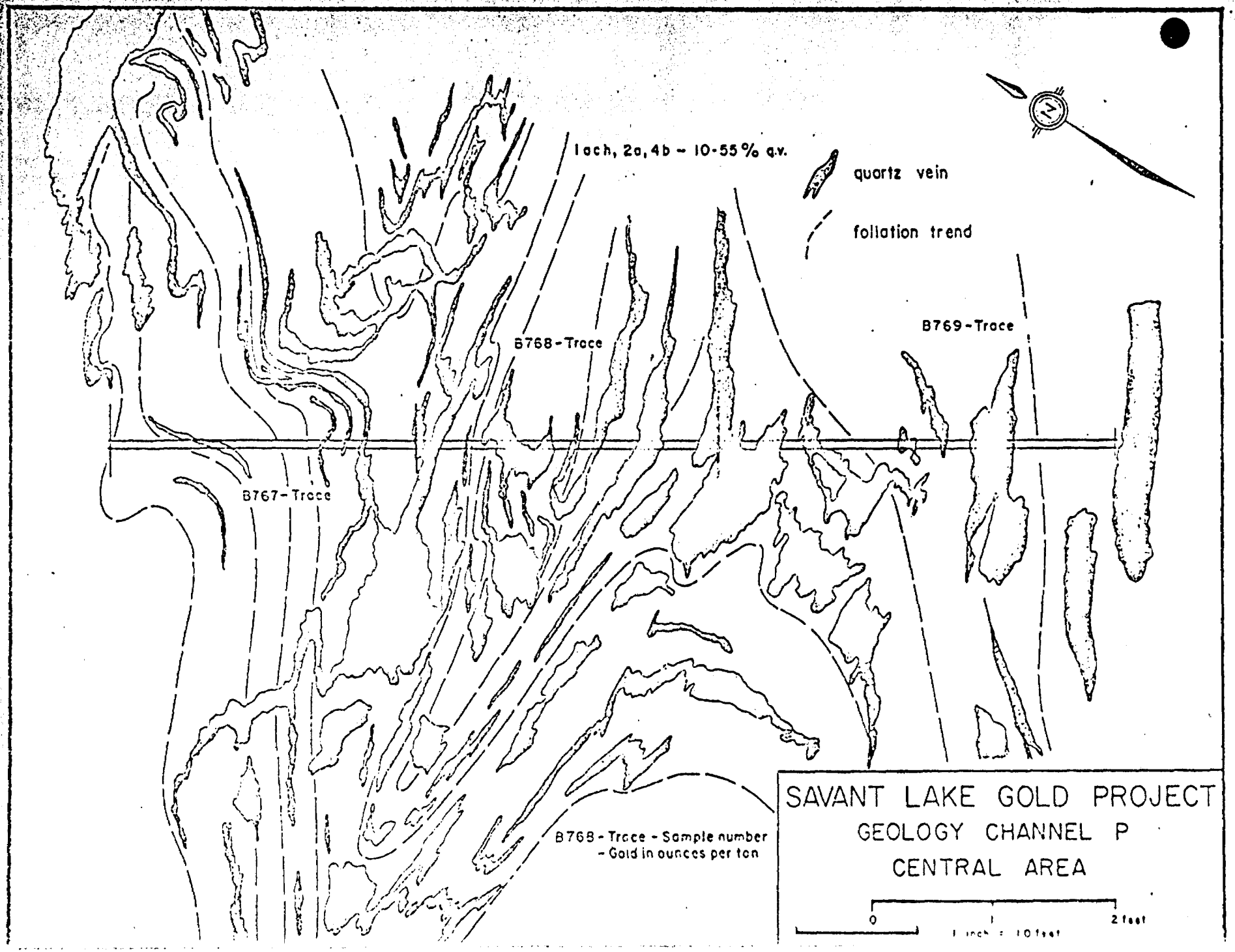
SAVANT LAKE GOLD PROJECT

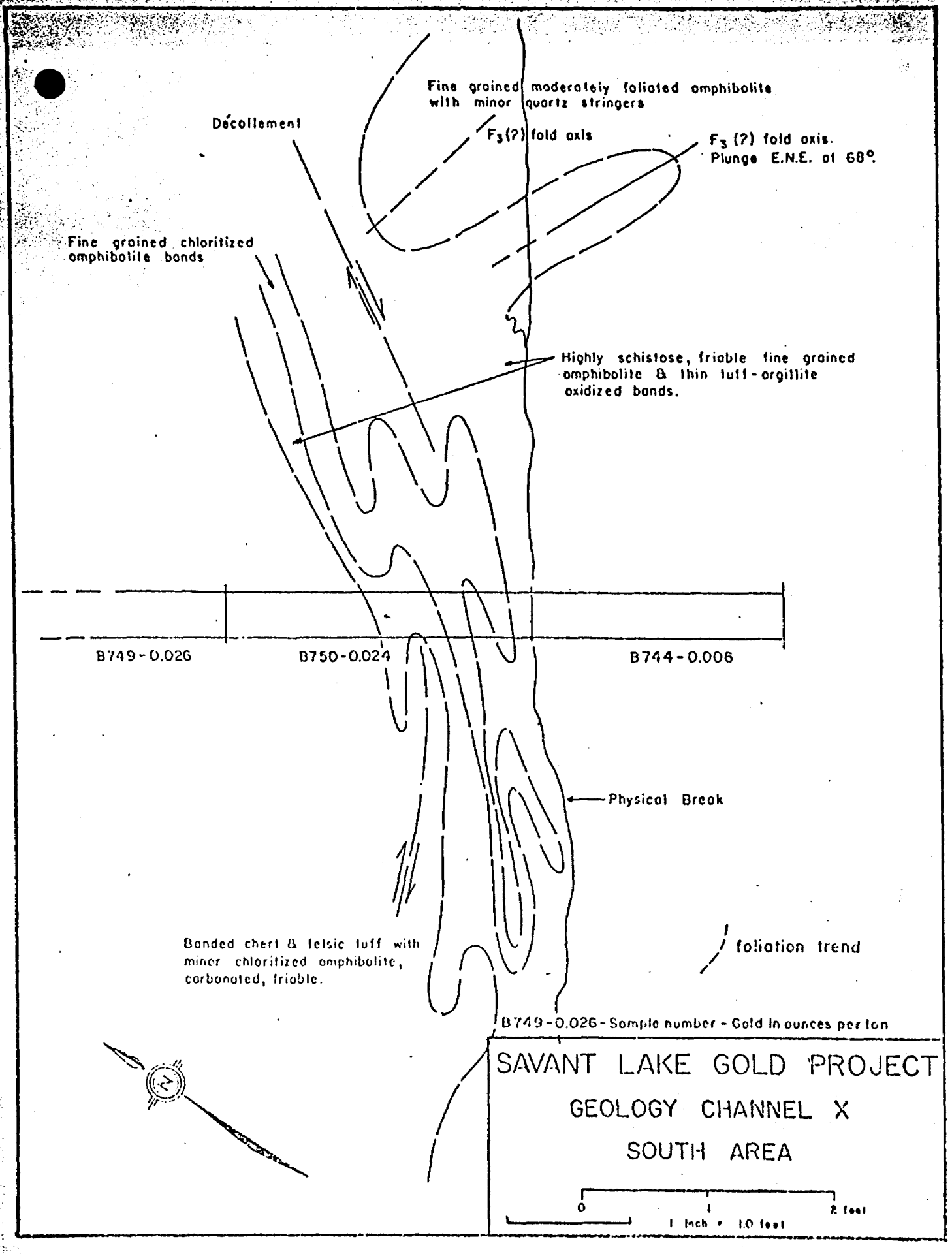
GEOLOGY CHANNEL K

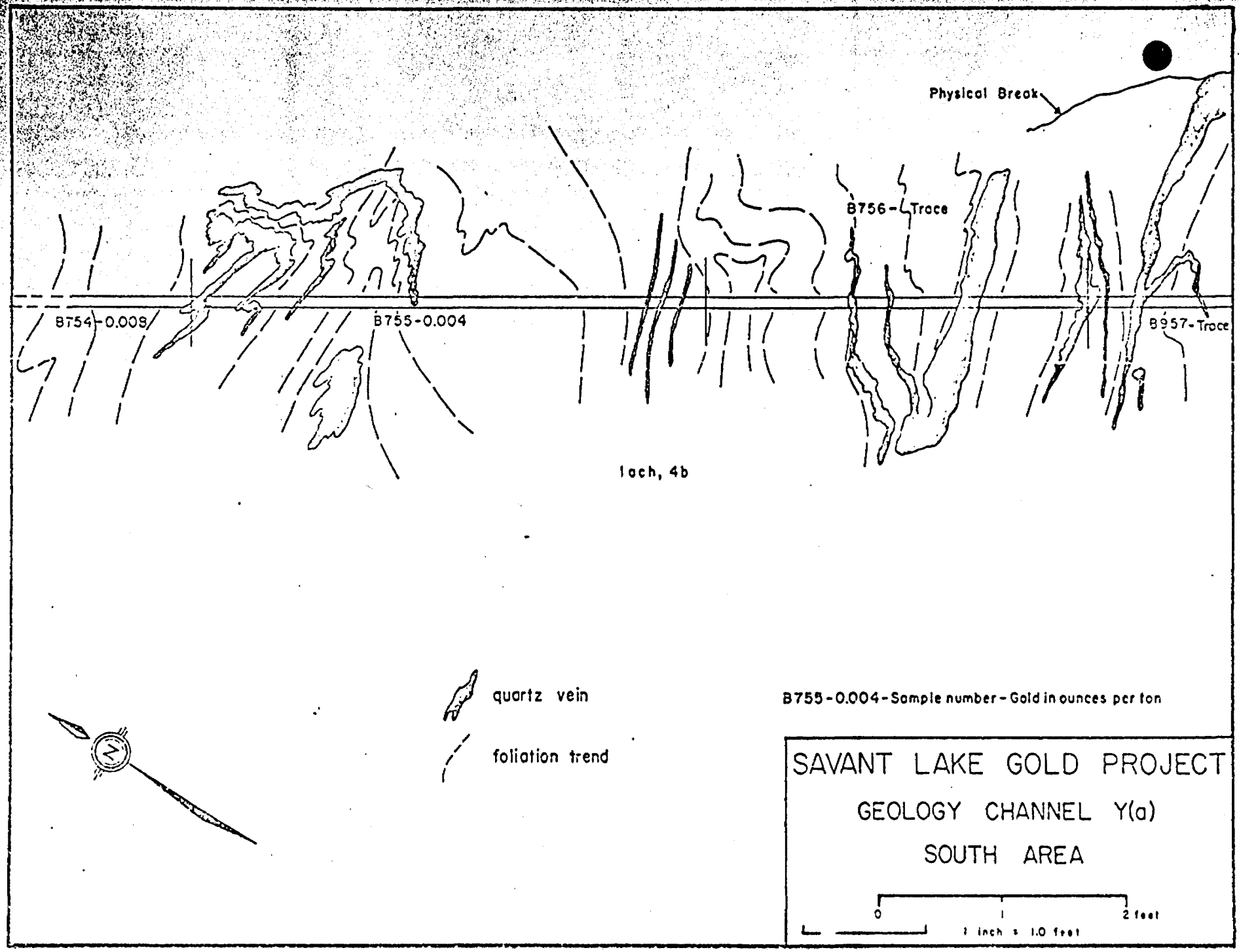
CENTRAL AREA

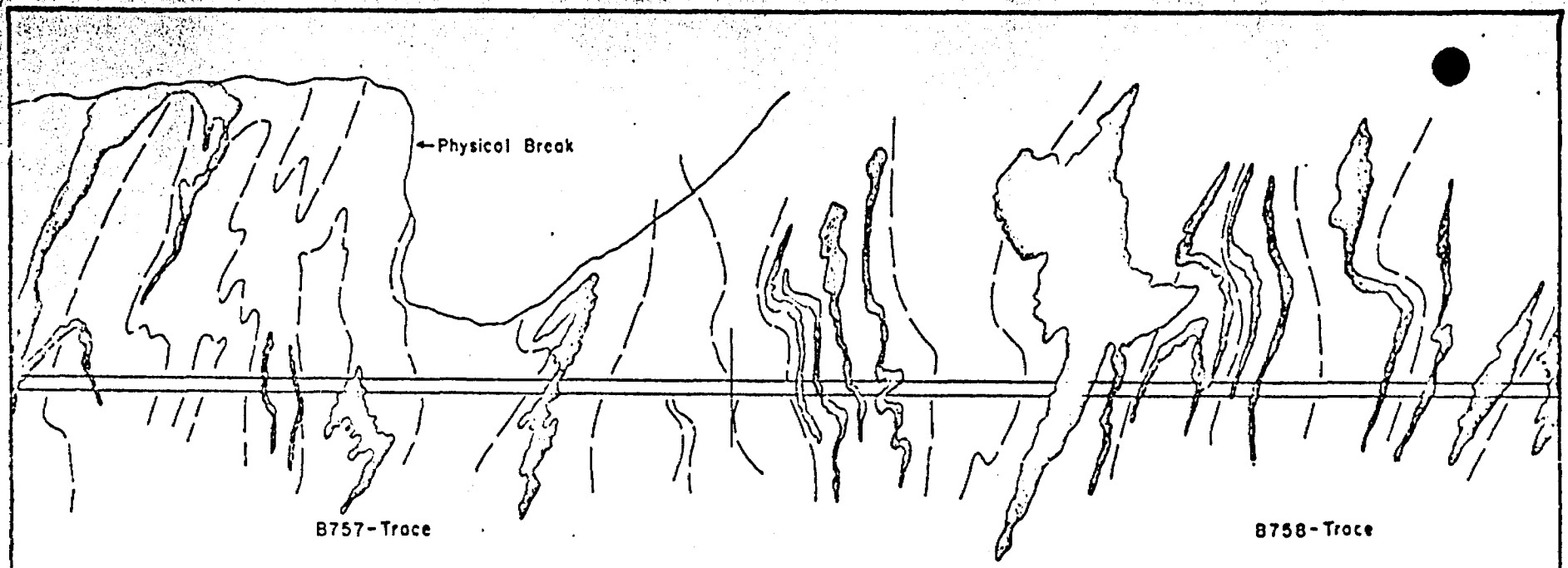
0 1 2 feet

1 inch = 1.0 feet


1ach, 2a, 4b - 10-55% q.v.
quartz vein
foliation trend
B768-Trace
B769-Trace
B767-Trace
B768-Trace - Sample number
- Gold in ounces per ton
SAVANT LAKE GOLD PROJECT
GEOLOGY CHANNEL P
CENTRAL AREA
0
1
2 feet
1 inch = 10 feet


Fine grained moderately foliated amphibolite with minor quartz stringers
Décollement
F_3(?) fold axis
F_3 (?) fold axis. Plunge E.N.E. at 68°.
Fine grained chloritized amphibolite bands
Highly schistose, friable fine grained amphibolite & thin tuff-argillite oxidized bands.
B749-0.026
B750-0.024
B744-0.006
Physical Break
Banded chert & felsic tuff with minor chloritized amphibolite, carbonated, friable.
foliation trend
B749-0.026-Sample number - Gold in ounces per ton
SAVANT LAKE GOLD PROJECT
GEOLOGY CHANNEL X
SOUTH AREA
0
1
2 feet
1 inch = 1.0 feet


Physical Break
B756 - Trace
B754 - 0.009
B755 - 0.004
B957 - Trace
1 ach, 4b
quartz vein
foliation trend
B755 - 0.004 - Sample number - Gold in ounces per ton
SAVANT LAKE GOLD PROJECT
GEOLOGY CHANNEL Y(a)
SOUTH AREA
0
1
2 feet
1 inch = 1.0 feet



Iach, 4b

B758-Trace-Sample number-Gold in ounces per ton

quartz vein

foliation trend

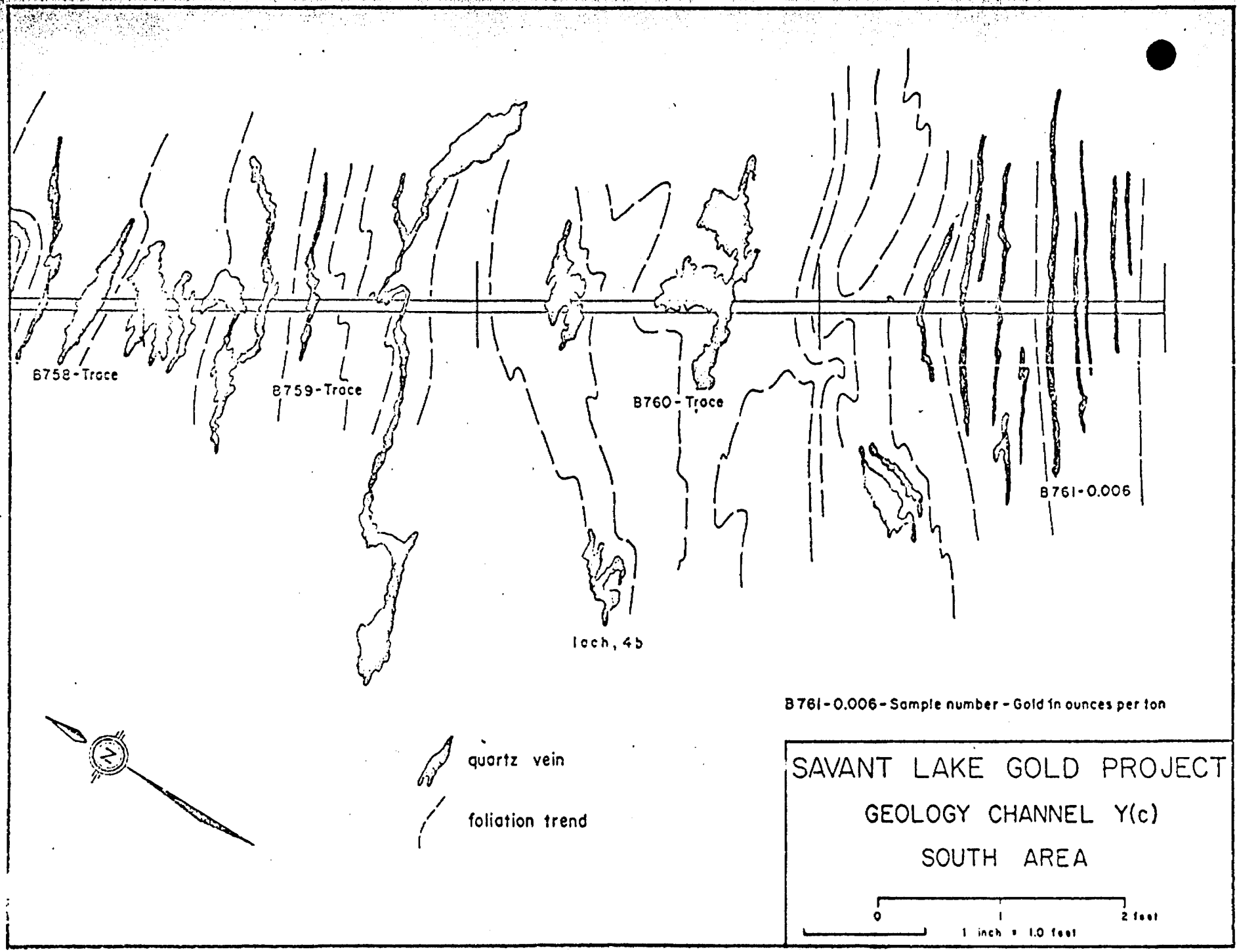
SAVANT LAKE GOLD PROJECT

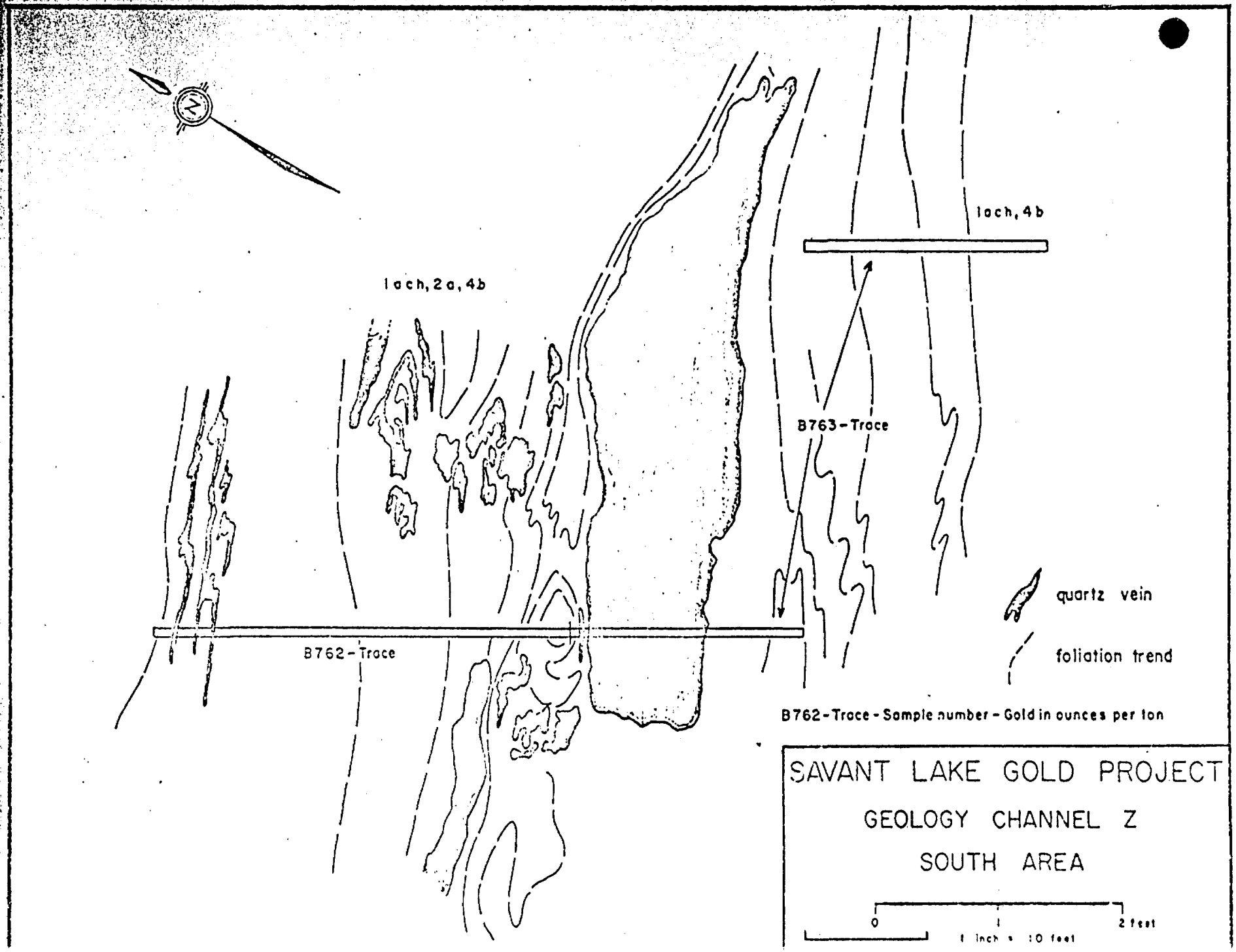
GEOLOGY CHANNEL Y(b)

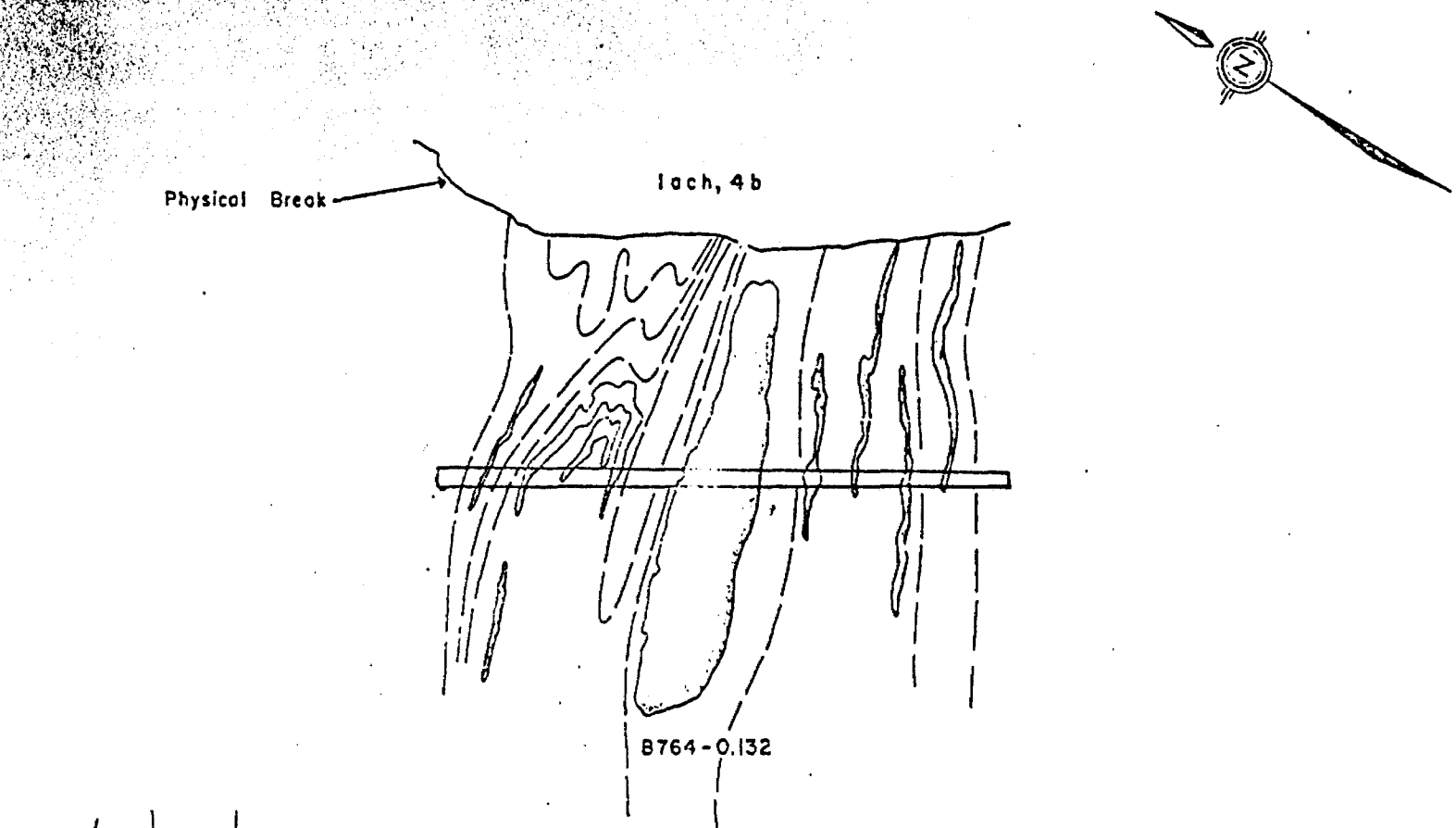
SOUTH AREA

0 1 2 feet

1 inch = 1.0 feet


B758-Trace
B759-Trace
B760-Trace
B761-0.006
Loch, 45
B761-0.006 - Sample number - Gold in ounces per ton
quartz vein
foliation trend
SAVANT LAKE GOLD PROJECT
GEOLOGY CHANNEL Y(c)
SOUTH AREA
0
1
2 feet
1 inch = 1.0 feet


N
1ach, 2a, 4b
1ach, 4b
B763-Trace
B762-Trace
quartz vein
foliation trend
B762-Trace - Sample number - Gold in ounces per ton
SAVANT LAKE GOLD PROJECT
GEOLOGY CHANNEL Z
SOUTH AREA
0
1
2 feet
1 inch = 10 feet


N
Physical Break
lach, 4b
B764-0.132
lach, 4b
B763-Trace
quartz vein
foliation trend
B764-0.132-Sample number-Gold in ounces per ton
SAVANT LAKE GOLD PROJECT
GEOLOGY CHANNEL AA
SOUTH AREA
0
1
2 feet
1 inch = 1.0 feet

APPENDIX D

U-6 DRILL LOGS, SECTIONS AND GOLD ASSAYS

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-4
Sheet 1 of 3

Job 984U N.T.S. 52 J/7
Property Group U-6
Township Conant
Location: Line 2+00W
Station 1+00N
Elevation
Logged T. Neelands

Objective To locate source of E.M. anomaly
Drilling Co. Norwescon Development Limited
Commenced Feb. 22, 1975
Completed Mar. 2, 1975
Length 350.0 feet

Core Location North Bay, Ontario
Distance to water 1100'
Casing Lost None
Core Size AX
11359-11363

Tests

	Dip	Azimuth
At Collar	-50°	180°
342.0'	-43°	

Remarks Source of E.M. anomaly is probably 6.7 feet of pyrrhotite, chalcopyrite and graphite between 194.3 and 201.0.

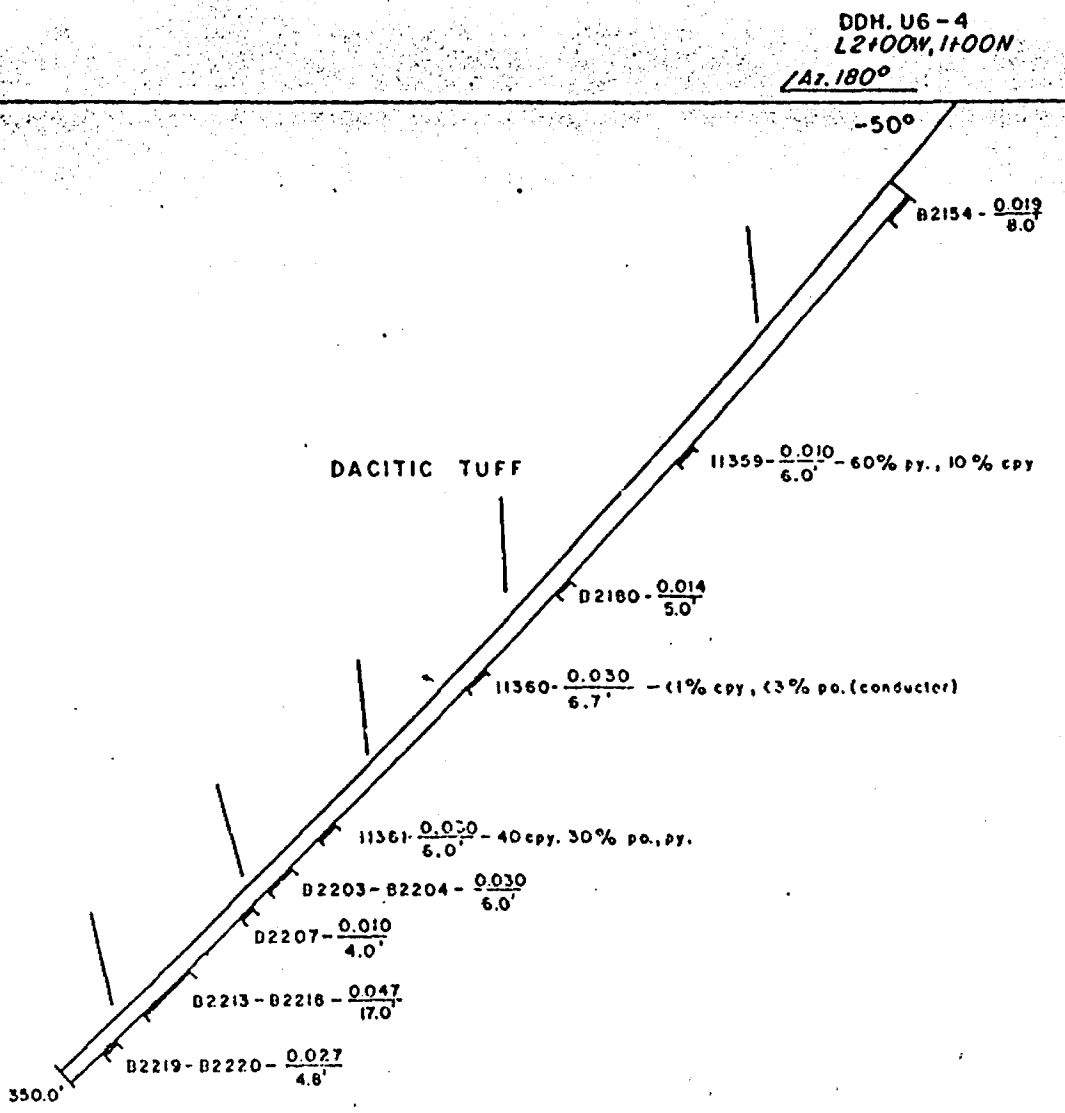
Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
0	27.0	OVERBURDEN						
27.0	116.1	MEDIUM-GRAINED DACITIC TUFF	Light grey, medium hardness, medium size, phenocrysts of blue "augen" quartz less than 3mm, diameter, aligned in plane of schistosity, less than 40%; White crystalline feldspar phenocrysts are as large as 5mm, make up less than 10% of rock. Core angles vary between 40-50°. Though rock sheared very little fracturing. Biotite-chlorite alteration, possible sericite. Alteration products make up matrix. Non-magnetic, less than 1% carbonate. Pyrite occurs less than 1% as disseminations, and flakes on shear planes.	B2154	27.0	35.0	8.0	0.019
116.1	116.5	PYRITE LENS	Less than 10% chalcopyrite, 60% pyrite, 30% quartz. No magnetic pyrrhotite. Pyrite (secondary) cube within massive pyrite, 5mm in diameter. Sharp contact.	11359	113.0	119.0	6.0	0.010
116.5	157.0	MEDIUM-GRAINED DACITIC TUFF	Same as above.					

K TH-92 Jan/35

*Reference - see Report 593NB for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
157.0	194.3	DACITIC TUFF	Light to dark grey, medium to very hard. Fine grained to medium-grained. Less than 2mm diameter. Gradational contact with above rock type. Schistose. Core angles 45° to schistosity. 178.0 to 181.0 Chlorite biotite alteration, massive approximately 60%.	B2180	162.0	167.0	5.0	0.014
194.3	201.0	MINERALIZED SILICEOUS ZONE (CONDUCTOR)	Mainly coarse quartz, interbanded with black bands of soft mineral, black streak (gf?). Bands of biotite and possible chlorite also associated. Less than 1% chalcopyrite and less than 3% pyrrhotite throughout section, from 195.6 to 198.0 less than 5% chalcopyrite. Gradational contact.	11360	194.3	201.0	6.7	0.030
201.0	253.7	DACITIC TUFF	Greenish grey to dark grey, fine-grained to medium-grained, less than 2mm. Sheared, core angles 50°. Fracturing filled with carbonate in biotite-chlorite zone, fracturing generally absent, sharp contact. Alteration; mainly chlorite-biotite, minor sericite, massive (approx 60%) biotite-chlorite alteration 216.0-210.5. Non-magnetic, less than 1% carbonate. Pyrite occurs less than 1% as disseminations and as flakes on shear planes.					
253.7	254.4	CHALCOPYRITE-PYRRHOTITE LENS	40% chalcopyrite, 2% galena, 30% pyrrhotite, minor pyrite, 20% quartz, 253.8 lamellae of galena 2mm wide.	11361	251.0	257.0	6.0	0.030
254.4	277.5	DACITIC TUFF	Same as above	B2203 -B2204	268.0	276.5	8.5	0.013

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
277.5	282.0	MEDIUM-GRAINED DACITIC TUFF	Grey color, medium to very hard. Medium grained. Sheared. Core angles 55°, quartz veins; 277.0 - 4" wide; 281.0 - 3" wide, carbonate filled fractures parallel to shearing. Non-magnetic. Disseminated pyrite less than 1%.					
282.0	350.0	DACITIC TUFF	Yellow-grey color, fine to medium grained, sheared, core angles 50°. Quartz vein at 293.5 - 2" wide. Fracturing 1 per 10' parallel to shearing. Alteration; massive biotite chlorite 288.5-289.0, 290.0-291.5, increase in sericite alteration. Pyrite occurs as disseminations. Less than 0.1%.	B2207	283.5	287.5	4.0	0.010
				B2213 -B2216	307.0	324.0	17.0	0.047
				B2219 -B2220	334.0	338.8	4.8	0.027
350.0		END OF HOLE						



11359 - 0.010 / 6.0' = Sample Number - Gold in ounces per ton / Length in feet

TECK EXPLORATIONS LIMITED

Section through DDH. U6-4

PROPERTY: SAVANT LAKE GOLD PROJECT

DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG: A.N.C.	SCALE: 0 — 25 — 50 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-7
Sheet 1 of 3

Job 984U N.T.S. 52 J/7	Objective To locate source of Mag and E.M. anomalies	Core Location North Bay, Ontario	Tests	Dip	Azimuth
Property Group U-6	Drilling Co. Norwescon Development Limited	Distance to water 1000'	At Collar	-50°	180°
Township Conant		Casing Lost None	200.0'	-45°	
Location: Line 0+27E	Commenced Mar. 29, 1975		380.0'	-42°	
Station 1+55N	Completed Apr. 2, 1975	Core Size AX			
Elevation	Length 397.0 feet	11380-11387			
Logged T. Neelands					

Remarks Good drilling. Two runs contain 15 feet of unbroken core. Source of E.M. and Mag anomaly is pyrrhotite and chalcopyrite between 279.0 and 283.0.

Depth (F) From	To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
0	26.0	OVERBURDEN						
26.0	76.0	DACITIC TUFF	Light grey to medium grey color. Fine grained (less than 2mm). Schistose - core angles 40-50%. Gradational contact. Chlorite-biotite alteration, 20-30%; possible sericite alteration (beige color). Carbonate filled fractures, 1 per foot, 5mm wide, random and parallel to schistosity. Chlorite-biotite alteration occurs as bands, crystalline pyrite disseminated much less than 1%, non-magnetic. Speck of chalcopyrite 67.1'.	S2857	67.8	72.0	4.7	0.016
76.0	114.5	MEDIUM-GRAINED DACITIC TUFF	Bluish grey color. Grains are as large as 10mm, but generally range between 2 and 4mm. Tuff size is less than 4mm, blue quartz eyes have been rounded and elongated in plane of schistosity. Large fragments of quartz or feldspar do not have blue color. Pressure shadows around quartz and possible feldspar fragments are filled with calcite. Chlorite-biotite alteration 20-30%. Bands: 88.2 - 15mm wide, 116.0-117.0 contain 40-50% chlorite and biotite.					

*Reference - see Report 593NB for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
114.5	143.0	DACITIC TUFF	Light grey to dark grey, fine-grained, core angles 45-50°. Quartz veins - 117.0-122.0, 5% of section 1" wide. Fractured, 1 per foot, filled with carbonate, increase in chlorite-biotite alteration, massive 40-50%: 116.0-117.0, 126.0-129.0, 130.8-132.0. Pyrite associated with mafic alteration section 130.8-132.0 contains less than 5% pyrite.	B2870 B2875	118.3 135.7	122.0 136.7	3.7 1.0	0.010 0.067
143.0	151.0	MEDIUM-GRAINED DACITIC TUFF	Same as above, gradational contacts.					
151.0	209.8	DACITIC TUFF	Same as above, sharp contact, massive chlorite-biotite alteration. 220.5-221.6 - increase in sericite alteration.					
209.8	210.5	CHALCOPYRITE-PYRRHOTITE LENS	10% chalcopyrite 30% pyrrhotite, 20% quartz, 20% shale	B2891 -11381	205.0	210.5	5.5	0.015
210.5	279.0	MEDIUM GRAINED DACITIC TUFF	Light grey to dark grey, same as above 30% chlorite-biotite alteration. 265.8-266.4 disseminated pyrite, 232.0 - speck of chalcopyrite, core lost: 222.0-223.0, 224.0-226.0, 227.0-228.0.	B2896	230.0	235.0	5.0	0.013
279.0	283.0	DACITIC TUFF	Bands or laminae of chalcopyrite usually associated with pyrrhotite: 280.3 (less than 2mm wide) 280.4 (less than 5mm) 280.6 (less than 5mm) 282.4 (less than 2cm) 282.6 (less than 1mm) Traces of chalcopyrite 279.3, 279.8, 282.2, 282.1, 279.0-283.0 less than 1% chalcopyrite, less than 2% pyrrhotite.	11384	279.0	283.0	4.0	0.200

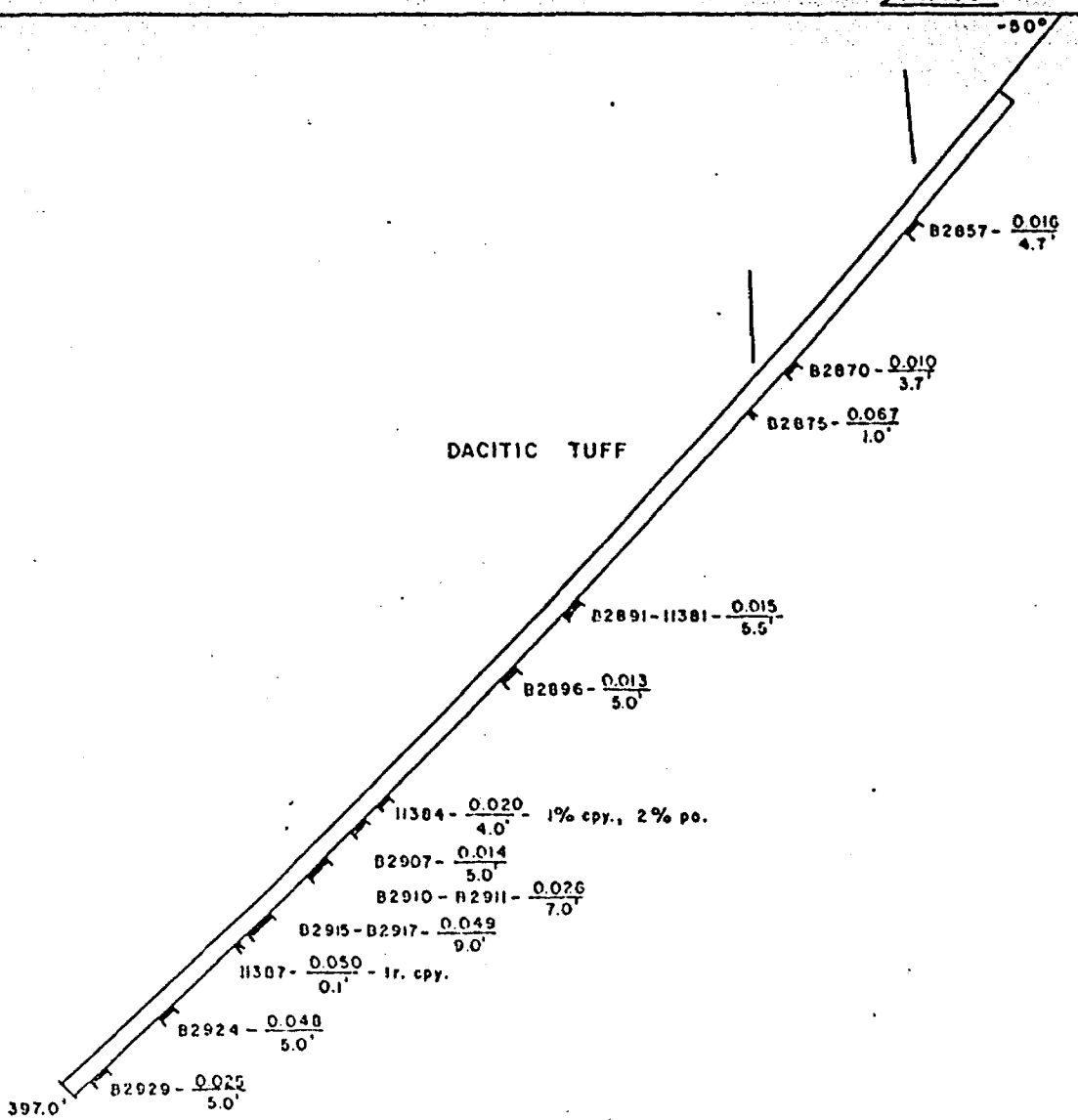
Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
283.0	309.0	DACITIC TUFF	Light grey, massive chlorite-biotite: 309.5 - 1", 305.3 - 1" (contains less than) 15% pyrite, 1" quartz vein 304.6 traces of chalcopyrite 291.5 (minor galena).	B2907 B2910 -B2911	288.0 303.0	293.0 310.0	5.0 7.0	0.014 0.026
309.0	319.0	MEDIUM-GRAINED DACITIC TUFF	Same as above.					
319.0	326.0	DACITIC TUFF	Increase in light yellow-grey (beige) sericite alteration 20%, chlorite alteration.	B2915 -B2917	324.0	333.0	9.0	0.049
326.0	327.0	CHLORITIC DACITIC TUFF	Contains traces of chalcopyrite 10% carbonate in fractures					
327.0	336.7	DACITIC TUFF	As above.					
336.7	336.8	CHLORITIC DACITIC TUFF	Contains traces of chalcopyrite 10% carbonate in fractures.	11387	336.0	337.0	1.0	0.050
336.8	397.0	DACITIC TUFF		B2924 B2929	360.0 385.0	365.0 390.0	5.0 5.0	0.048 0.025
397.0		END OF HOLE						

DDH. U6-7

L0+27E, 1+55N

∠Az. 180°

-50°



11384 - $\frac{0.020}{4.0'}$ = Sample Number - $\frac{\text{Gold in ounces per ton}}{\text{Length in feet}}$

TECK EXPLORATIONS LIMITED

Section through DDH. U6-7

PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG. B.C.H.	SCALE: 0 25 50 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-8
Sheet 1 of 3

Job 984U N.T.S. 52 J/7	Objective To locate extensions of mineralization from U4 & U7	Core Location North Bay, Ontario	Tests
Property Group U-6			Dip / Azimuth
Township Conant	Drilling Co. Norwescon Development Limited	Distance to water 1000'	At Collar -60° 180°
Location: Line 1+00W		Casing Lost None	200.0' -54°
Station 2+50N	Commenced Apr. 3, 1975		400.0' -48°
Elevation	Completed Apr. 6, 1975	Core Size AX	510.0' -44°
Logged T. Neelands	Length 531.0 feet	11389-11394	

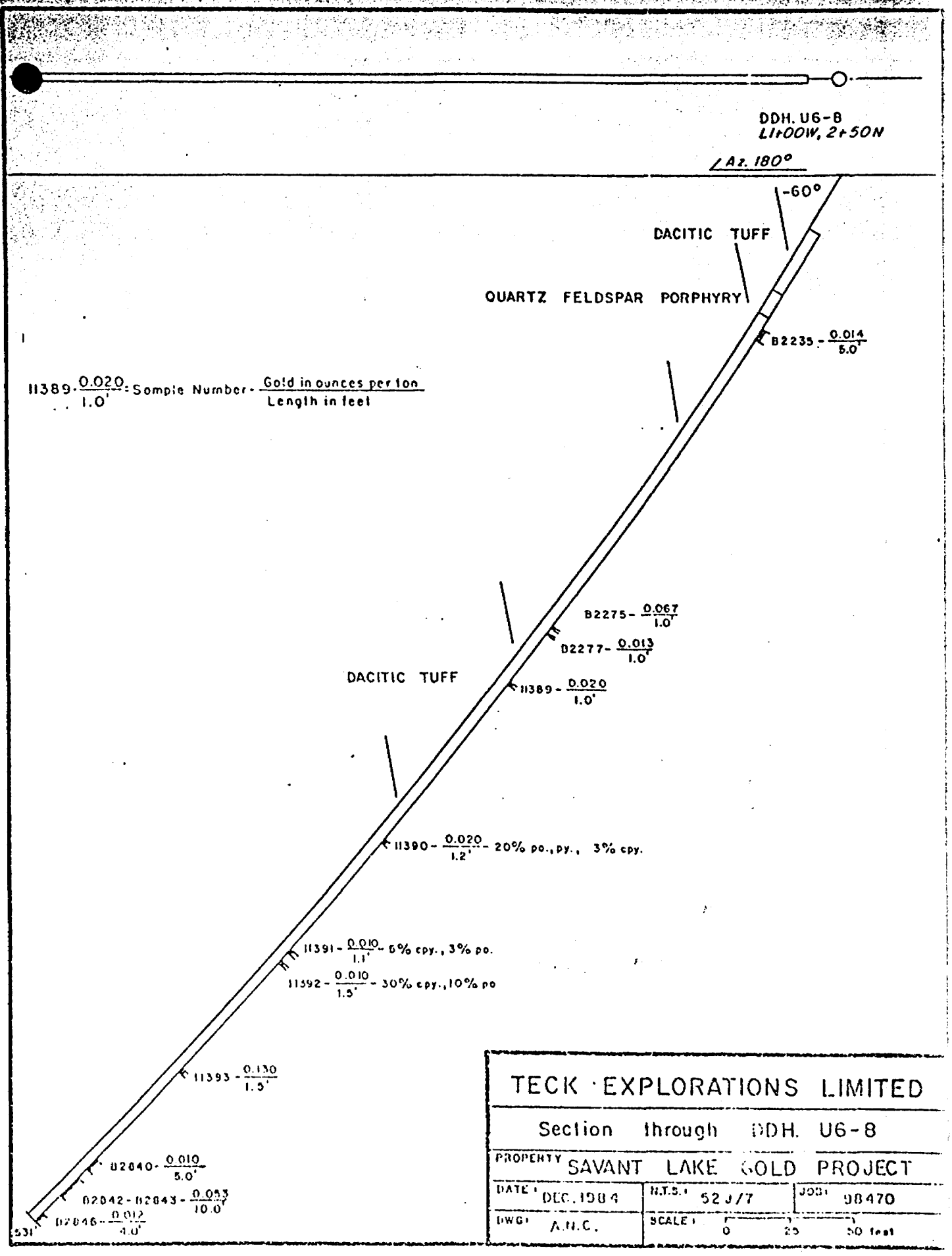
Remarks Rod size AW. Extensions of U-4 and U-7 intersected.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Foot	Au oz/t
0	25.0	OVERBURDEN						
25.0	53.6	MEDIUM-GRAINED DACITIC TUFF	Light to dark grey color. Medium-grained (less than 3mm). Porphyritic texture, "augen" blue quartz eyes. Core angles 40° to schistosity. Not fractured: few fractures are filled with carbonate, chlorite-biotite alteration 10%, 5% sericite alteration less than 3% carbonate. Disseminated sulphides, laminae of pyrite: 26.0' - 5mm, 27.4' - 1cm, 39.5 - 3mm.					
53.6	63.9	QUARTZ FELDSPAR PORPHYRY	Light grey phenocrysts, less than 6mm. Sharp contact. Relatively unaltered, less than 5% biotite less 3% carbonate contact. Minor disseminated pyrite.					
63.9	73.0	MEDIUM-GRAINED DACITIC TUFF	Same as above, less than 15% quartz eyes, core angles 40°, 1 fracture (carbonate filled) per 5'. Increase in chlorite-biotite alteration to 25%. Minor sericite alteration.	B2235	69.0	74.0	5.0	0.014

*Reference - see Report 593NB for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
73.0	131.2	DACITIC TUFF	Light to dark grey. Grain size less than 2mm, less than 5% quartz eyes, core angles to schistosity 40°. Alteration: 87.0 - 88.2 massive chlorite-biotite containing less than 15% pyrite crystals and laminae, sericite alteration not prominent, 119.0 sericite alteration of feldspar grains. Pyrite laminae 105.6, 3mm wide.					
131.2	296.8	MEDIUM-GRAINED DACITIC TUFF	Light to dark grey, variation in color occurs as bands. Fragments less than 3mm. Core angles 45-50°, 1 carbonate-filled fracture per 5 foot. Increase fracturing from 150.0-200.0, 2 fractures per 5 feet. Sharp contact. Quartz veining; 179.0 (5cm) 180.5 (15cm) 190.0 (15cm) 211.0 (5cm) 205.5 (2cm) Alteration: Increase chlorite-biotite bands contain laminae and disseminations of pyrite, prominent from 195.0-250.0, 296.0 smear of sericite alteration, 293.0-300.0 less than 1% pyrite. Chalcopyrite - 244.0" less than 10% in altered chlorite-biotite band.	B2275 B2277 11389	216.0 219.2 243.5	217.0 220.2 244.5	1.0 1.0 1.0	0.067 0.013 0.020
296.8	323.8	DACITE TUFF	Light grey to dark grey, schistose, core angles 50° chlorite-biotite alteration - Band 317.0 - 2cm wide.					
323.8	325.0	PYRRHOTITE-CHALCOPYRITE	40% alteration products +20% carbonate, contains 20% pyrrhotite and pyrite, less than 3% chalcopyrite.	11390	323.8	325.0	1.2	0.020
325.0	335.3	MEDIUM-GRAINED DACITIC TUFF	As above.					
335.3	382.9	DACITIC TUFF	As above.					

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
382.9	384.0	CHALCOPYRITE-PYRRHOTITE	Chlorite-biotite 50% carbonate 70%, 5% chalcopyrite 3% pyrrhotite.	11391	382.9	384.5	1.6	0.010
384.0	388.8	DACITIC TUFF	As above.					
388.8	389.0	CHALCOPYRITE PYRRHOTITE LENS	30% chalcopyrite, 10% pyrrhotite.	11392	388.0	389.5	1.5	0.010
389.0	389.2	DACITIC TUFF	As above.					
389.2	389.4	GALENA-CHALCOPYRITE	10% galena, 1% chalcopyrite (included in sample 11392).					
389.4	447.5	DACITIC TUFF	After 400 feet becomes more fine-grained - lighter color, very little fracturing, massive chlorite-biotite zone 436.1-439.1 contains 20% carbonate.					
447.5	449.0	SULPHIDES IN TUFF	Disseminated pyrite and pyrrhotite, minor less than 1% chalcopyrite and galena. Massive band of pyrrhotite 448.7-448.9 (0.2 ft.)	11393	447.5	449.0	1.5	0.130
449.0	531.0	DACITIC TUFF	As above. Chalcopyrite (speck) 507.0 feet.	B2840	497.0	502.0	5.0	0.010
				B2842 -B2843	507.0	517.0	10.0	0.053
531.0		END OF HOLE		B2846	527.0	531.0	4.0	0.012



TECK EXPLORATIONS LIMITED		
Section through DDH. U6-8		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG: A.N.C.	SCALE: 0 25 50 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-9
Sheet 1 of 2

Job 984U N.T.S. 52 J/7	Objective To intersect conductor 101P on strike	Core Location North Bay, Ontario	Tests
Property Group U-6			At Collar: Dip -50°, Azimuth 180°
Township Connant	Drilling Co. Norwescon Development Limited	Distance to water 1800'	
Location: Line 8+00W		Casing Lost Casing left in hole	
Station 0+30N	Commenced Feb. 5, 1976		
Elevation	Completed Feb. 7, 1976	Core Size AQ	
Logged T. Neelands	Length 278.0 feet		

Remarks Good drilling. Two runs contain 15 feet of unbroken core. Source of E.M. and Mag anomaly is pyrrhotite and chalcopyrite between 279.0 and 283.0.

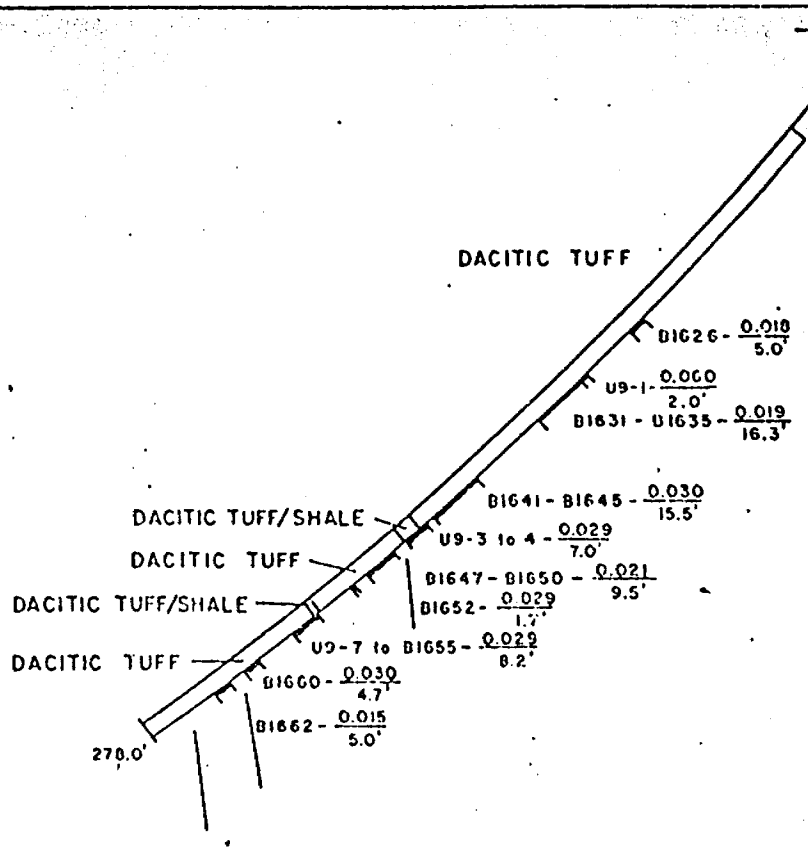
Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
0	43.0	CASING						
43.0	187.2	DACITIC TUFF	Medium grained, hard, greyish-green. Porphyritic; blue quartz eyes (15%), oriented in plane of schistosity. average size 2mm; grey feldspar crystals (2%). Random orientation, up to 6mm in length. 10% sericite-clay alteration (light green color) 5% chlorite-biotite alteration, 3% carbonate. Core angles measured from bedding to core axis 40-50°. Sharp contact. 0.1% (secondary) pyrite occurs as cubes.	B1626	106.0	111.0	5.0	0.018
			127.1 - 25mm seamlet of 60% cubic pyrite, 10% sphalerite, 5% galena.	U9-1	127.0	129.0	2.0	0.060
			128.6 - 6mm seamlet of 80% cubic pyrite.	B1631	129.0	145.3	16.3	0.019
			128.6-130.3 - 60% chlorite-biotite alteration in fine-grained tuff and 10% carbonate.	-B1635 B1641	167.5	183.0	15.5	0.030
			136.0-146.0 - quartz (silica) rich section.	-B1645				
			172.6-173.0 - 40% chlorite-biotite alteration.					
187.2	193.2	DACITIC TUFF AND SHALE	Interbedded thin (2mm-1cm thick) beds of black shale and fine-grained tuff (30% of section), sharp contact. Core angles 55° to core axis.	U9-3 -U9-4	185.0	192.0	7.0	0.029

K TH-95 Jan/85

*Reference - see Report 593NB for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
			190.2-190.3 - 4 cm seamlet of 40% pyrrhotite, 40% pyrite, 10% chalcopyrite, 5% galena. 190.8 - 6mm seamlet of 40% chalcopyrite, 60% pyrrhotite. 192.0 - 6mm seamlet of 40% chalcopyrite, 60% pyrrhotite.					
193.2	222.2	DACITIC TUFF	Medium-grained. As from 43.0-187.2. Sharp contact. Core angles 55-60° to core axis.	B1647 -B1650	197.0	206.5	9.5	0.021
				B1652	211.0	212.7	1.7	0.029
222.2	224.2	DACITIC TUFF AND SHALE	Interbedded, 30% chlorite-biotite alteration. 223.8-224.2 - thin (3-5mm) seamlets averaging 20% pyrrhotite and 2% chalcopyrite.	U9-7 -B1655	223.8	232.0	8.2	0.029
224.2	261.7	DACITIC TUFF	Medium-grained, as from 43.0-187.2. Sharp contact. Core angles 60° to core axis.	B1660	243.3	248.0	4.7	0.030
				B1662	253.0	258.0	5.0	0.015
261.7	268.5	DACITIC TUFF	Fine-grained, light-grey, 5% quartz eyes. Core angles 60° to core axis. Sharp contact.					
268.5	278.0	DACITIC TUFF	Medium-grained. As from 43.0-187.2.					
278.0		END OF HOLE						

DDH. U6-9
L8+00W, 0+30N
Az. 180°
-50°



U9-1 · 0.060 / 2.0' = Sample Number - Gold in ounces per ton / Length in feet

TECK EXPLORATIONS LIMITED		
Section through DDH. U6-9		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG: A N C.	SCALE: 1" = 0 25 50 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-10
Sheet 1 of 4

Job 984U N.T.S. 52 J/7	Objective To intersect conductor 101P on strike	Core Location North Bay, Ontario	Tests
Property Group U-6	Drilling Co. Norwescon Development Limited	Distance to water 1400'	
Township Conant		Casing Lost Casing left in hole	
Location: Line 5+00W	Commenced Feb. 9, 1976		
Station 0+60N	Completed Feb. 16, 1976	Core Size AQ	
Elevation	Length 307.0 feet		
Logged E. Daoudakis			

Tests	Dip	Azimuth
At Collar	-50°	180°
307.0'	-22°	

Remarks

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
0	39.8	CASING						
39.8	77.7	DACITIC TUFF	Medium-coarse grained, hard, grey-green porphyritic blue quartz eyes 25% orientated along plane of foliation, variable size, generally 2mm abundant sericite alteration 10%, few feldspar crystals up to 2mm minor biotite and carbonate. Low chlorite content. Foliation 45° to core axis. Generally disseminated pyrite fine grained throughout section 1%. 17.8-48.0 - mica rich section - chlorite with few 3mm pyrite cubes. 56.7-57.1 - 5% cubic pyrite finer grained. Section more sericite rich also slightly more biotite foliation 45-50° to core axis. 58.9-59.1 - 3% pyrite 10% biotite. 67.0' - 5mm square fragment - mica with quartz carbonate also more feldspar grains with depth. 68.2-68.4 - sharp contact 50° to core axis - more mica, finer grained tuff. 71.9-72.5 - 5% pyrite sericite biotite section with minor calcite.					

K TM-96 Jan/85

*Reference - see Report 593N3 for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Foot	Au oz/t
77.7	87.0	INTERBEDDED SECTION	Dacitic tuff interbedded with fine grain sections which are more biotite rich, average 1-5' thick. Also fine grained sericite rich dacitic tuff, minor sulphides. Trace chalcopyrite sphalerite some carbonate veinlets-bedding 40-50° to core axis.					
87.0	134.0	PORPHYRITIC DACITIC TUFF	Dacitic tuff as above only with porphyritic fragments. Gradational contact fragments have variable shapes, generally angular. Pressure shadows around fragments. Composed mainly of feldspar but also white quartz is present fragments up to 10mm - unit has variations in sericite content (massive color) but content generally high around 10-20%. Disseminated pyrite throughout section approximately 1% minor quartz (pink-white) veins up to 2" also in section.	B1685	106.5	107.5	1.0	0.014
			107.6 - minor quartz vein with disseminated sulphides - unknown black mineral, (non-metallic) associated with quartz.					
			130.7-131.6 - Sulphide section - minor increase in biotite sulphides - disseminated and seams 5%. Pyrrhotite, pyrite, chalcopyrite with traces galena sphalerite.	14216	130.6	131.6	1.0	0.021
134.0	141.4	DACITIC TUFF	Similar to section 87.0-134.0 only finer grained. Same composition with porphyritic blue quartz eyes. (2mm) in fine grained tuff matrix. Disseminated sulphides 1% unit foliated 50-55° to core axis.					

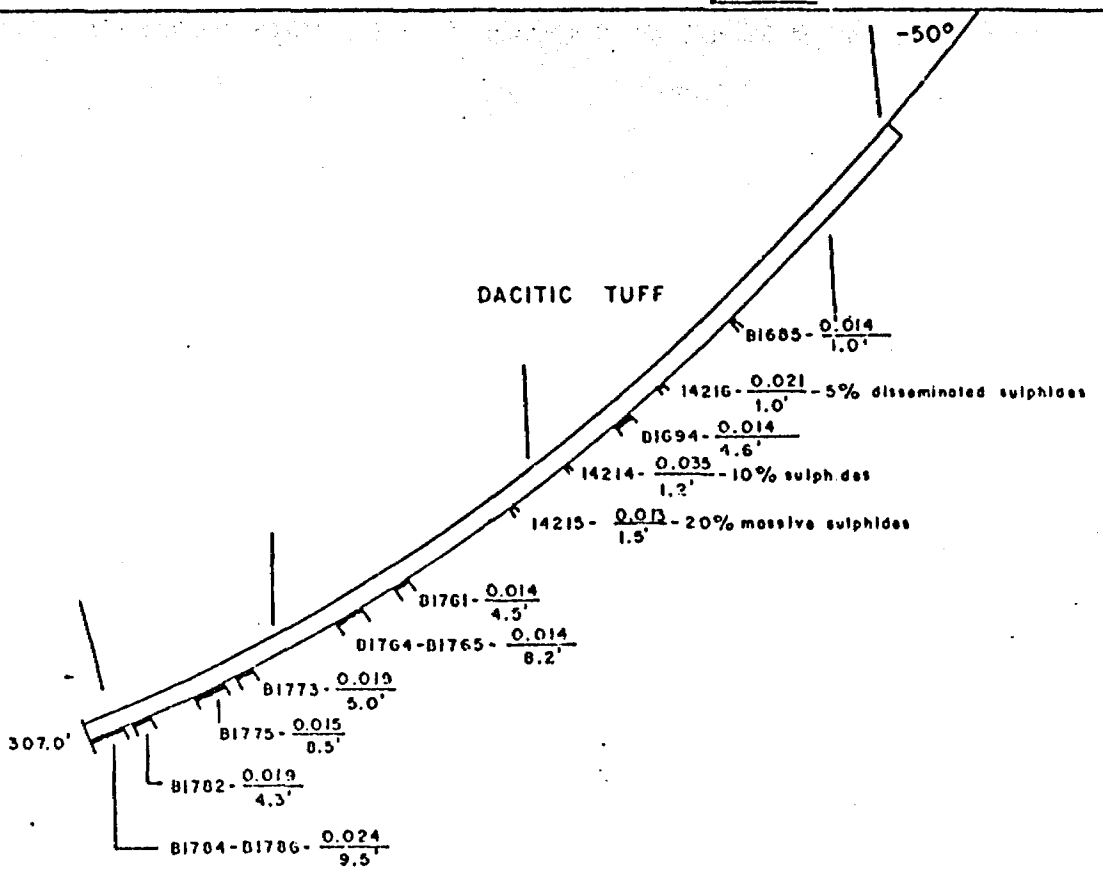
Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
141.4	162.0	DACITIC TUFF	Medium coarse grained as above only no porphyritic feldspar (+ quartz) fragments, generally uniform minor changes locally in sericite content.	B1694	141.4	146.0	4.6	0.014
162.0	167.2	INTERBEDDED SECTION (SULPHIDES)	Interbedded fine grained dacitic tuff with mica (amphibole shale?) rich sections and sericite rich dacitic tuff sections. Also present are thin seams massive sulphide.					
			162.6-163.9 - Sulphide section - 10% sulphides - pyrite, pyrrhotite, chalcopyrite, sphalerite with traces galena as massive seams and as disseminations.	14214	162.7	163.9	1.2	0.035
167.2	179.2	DACITIC TUFF	As 141.4-162.0 only medium grained more uniform. Blue quartz eyes are not as conspicuous foliated direction of fragment elongation 50-55° to core axis.					
179.2	183.6	INTERBEDDED SECTION (SULPHIDES)	Same as 162.0-167.2 more sericite rich section sulphides as massive seams and disseminations.					
			179.6-181.1 - Biotite rich sections (possible shale) - also sulphide rich - 20% massive sulphide as seams and minor disseminations. Pyrrhotite, pyrite with chalcopyrite, minor sphalerite and galena.	14215	179.6	181.1	1.5	0.013
183.6	307.0	DACITIC TUFF	Same as 141.4-162.0 many local variations in sericite content or mica content. Some disseminated sulphides 1% but blue quartz eyes present throughout. No feldspar phenocrysts or fragments - few minor quartz stringers (pink-white, barren) also present. Some foreign fragments also present (sandstone fragments?) but	B1761	213.5	218.0	4.5	0.014
				B1764 -B1765	228.0	236.2	8.2	0.014
				B1773	261.0	266.0	5.0	0.019
				B1775 -B1778	269.5	278.0	8.5	0.015

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
			these are very few. General foliation 50-55° to core axis.					
			212.0-213.5 - Sulphide Section - mica (or possibly shale?) rich with associated sulphides - 10% pyrite, pyrrhotite with minor chalcopyrite and trace sphalerite.					
			232.0-236.2 - Quartz veining - minor pyrite-chlorite inclusions of tuff and some brecciation of dacitic tuff.					
			241.5-243.4 - Quartz vein - sulphide section white quartz some epidote - sulphides 5% as 3-1" seams of massive pyrite, pyrrhotite, chalcopyrite with sphalerite and galena also associated with biotite.					
			249.7-256.3 - Quartz vein inclusions and silicification and breccia of dacitic tuff chlorite and biotite present, also minor epidote? disseminated sulphides, few seams generally 1% - in wall rock dacitic tuff near quartz veins - sulphides disseminated up to 1% foliation 60-65° to core axis.					
			272.6 - 1/2" seam massive pyrite with biotite.					
			273.0 - 5% disseminated pyrite cubes over 1".					
			277.7 - 1/2" seam pyrite with sericite minor chalcopyrite.					
			258.0-292.0 - Dacitic tuff increase in sericite content, more massive and finer grained, also more disseminated sulphides still 2% also locally abundant biotite.	B1782	290.7	295.0	4.3	0.019
			292.0-307.0 - Disseminated sulphides (pyrite cubes trace chalcopyrite and pyrrhotite). Some biotite associated with sulphides. This section not sericite rich foliation 80° to core axis.	B1784 -B1786	297.5	307.0	9.5	0.024
307.0		END OF HOLE						

DDH. U6-10
L5+00W, 0+60N

At 180°

-50°



14216 - $\frac{0.021}{1.0'}$ = Sample Number - $\frac{\text{Gold in ounces per ton}}{\text{Length in feet}}$

TECK EXPLORATIONS LIMITED			
Section through DDH. U6-10			
PROPERTY: SAVANT LAKE GOLD PROJECT			
DATE: DEC. 1984	N.T.S.: 52 J/7		JOB: 98470
DWG: A.N.C.	SCALE: 0 25 50 feet		

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-11
Sheet 1 of 3

Job 9840	N.T.S. 52 J/7	Objective To test second conductor south of 101P	Core Location North Bay, Ontario	Tests	
Property Group U-6					Dip / Azimuth
Co. ID Conent		Drilling Co. Norwescon Development Limited	Distance to water 1100'	At Collar	-50° / 180°
Location: Line 0+00			Casing Lost Casing left in hole	306.0'	-34° /
Station 2+20S		Commenced Feb. 17, 1976			
Elevation		Completed Feb. 18, 1976	Core Size AQ		
Logged E. Deucevletis		Length 306.0 feet			

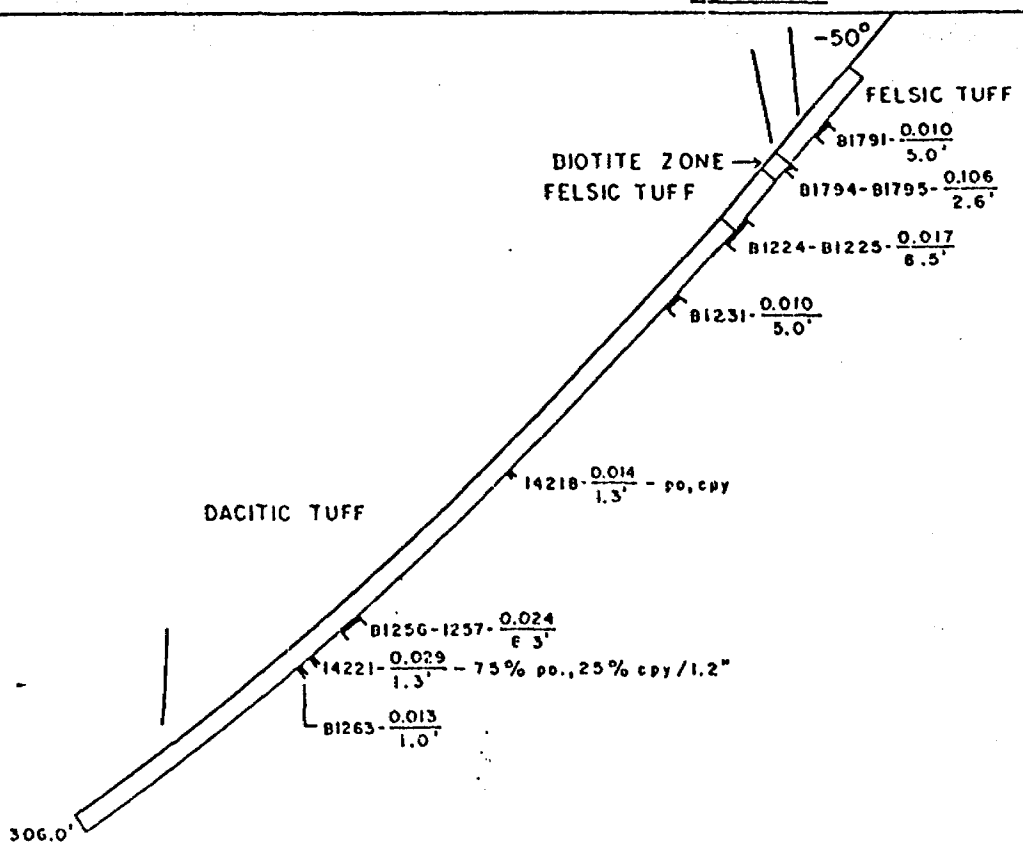
Remarks

Length (F) From	To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
0	19.0	CASING						
19.0	48.9	FELSIC TUFF	Highly silicified, abundant sericite, vague quartz-feldspar fragments up to 10mm - very few blue quartz eyes, elongation of fragments 40-50° to core axis.	B1791	34.0	39.0	5.0	0.010
48.9	54.0	BIOTITE ZONE	Well foliated - black mica (biotite) minor carbonate possibly a shale few minor cubes pyrite. 50.2-51.5 - Quartz vein associated with biotite, minor pyrite few blebs chalcopyrite-sharp contacts 50° to core axis.	B1794 -B1795	48.9	51.5	2.6	0.106
54.0	71.6	FELSIC TUFF	As above (silicified dacitic tuff?) abundant sericite few blue quartz eyes, some carbonate and quartz feldspar fragments. 63.0 - 1/2" seam of massive sulphide chalcopyrite with quartz and minor pyrite.					
71.6	80.5	INTERBEDDED ZONE	Interbedded biotite-rich (shale?) zones with sericite rich dacitic tuff carbonate 5% in biotite layers. Variable size to layers minor					

*Reference - see Report 5935 for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
			disseminated sulphides throughout section (mostly pyrite but also chalcopyrite). Whole section well foliated.					
				B1224	76.5	85.0	8.5	0.017
80.5	204.0	DACITIC TUFF	Medium grained, hard, porphyritic blue quartz eyes 10% generally orientated in plane of foliation, average size generally 2mm - few feldspar grains same size as quartz eyes. Some variation in section in respect to sericite content and some sections (up to 3") of biotite or mica rich. Top of section has disseminated sulphides (mainly pyrite but few grains chalcopyrite also some hair thick seams of chalcopyrite) chalcopyrite mainly near top of section. Also odd fragments chlorite-biotite-carbonate rich.	-B1225				
				B1231	103.0	108.0	5.0	0.010
			95.0 - 1/4" seam massive pyrite. Few minor quartz veins cut section at various angles minor pyrite-pyrrhotite associated with quartz.					
			146.5 - Rounded fragment - chlorite-epidote? rich with carbonate also at 150.5, 151.5 - fragments up to 3".	14216	150.4	159.7	1.3	0.014
			158.4-160.0 - sericite rich section, cut by quartz vein.					
			159.2-159.5 - Quartz vein with pyrrhotite, chalcopyrite. In spots lapilli size fragments with vague margins.					
204.0	208.3	LAPILLI DACITIC TUFF	Lapilli size quartz-feldspar fragments present - vague margins very similar to main dacitic tuff although very few blue quartz eyes.					
208.3	236.1	DACITIC TUFF	Same as above - variable amounts of sericite and biotite.					

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
			214.6 - 1/2" seam - massive pyrrhotite with minor chalcopyrite.	B1256 -B1257	215.0	221.3	6.3	0.024
			220.3-220.5 - Small seams pyrrhotite with minor chalcopyrite approximately 10% over 2".					
			230.0 - 1/4" massive seam chalcopyrite with minor pyrrhotite.					
			218.0-230.0 - Has disseminated sulphides throughout mostly pyrrhotite with chalcopyrite minor pyrite overall 1%.					
			232.6 - 1/2" pyrrhotite with chalcopyrite - 50% sulphide over 1/2" (pyrrhotite - 75% chalcopyrite 25%)	14221	231.5	232.8	1.3	0.029
			232.8 - Thin seam pyrrhotite with chalcopyrite 1/10" thick.					
			232.2 - Thin seam pyrrhotite with chalcopyrite 1/10" thick.					
			232.7 - Thin seam pyrrhotite with chalcopyrite 1/10" thick.					
			235.8 - Thin seam chalcopyrite with minor pyrrhotite.	B1263	235.5	236.5	1.0	0.013
236.1	305.0	LAPILLI DACITIC TUFF	Compositionally similar to dacitic tuff only presence of lapilli size fragments of varying composition quartz feldspar - some wholly sericite - some mica - (biotite) rich, some chlorite fragments some with epidote? fragments elongated along foliation 50° to core axis. -minor disseminated sulphides through section, few pyrite cubes. -few mica sections (2") with sulphides. -few quartz veins 1-2" cutting at various angles. -fragments generally rounded and elongated, a few are subrounded - fragment boundaries are not sharp.					
305.0		END OF HOLE						



$14218\text{-}\frac{0.014}{1.3'}$ = Sample Number - $\frac{\text{Gold in ounces per ton}}{\text{Length in feet}}$

TECK EXPLORATIONS LIMITED

Section through DDH. U6-11

PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG: A.N.C.	SCALE: 0 25 50 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

Hole U6-12
Sheet 1 of 3

Job 984U N.T.S. 52 J/7
Property Group U-6
Township Conant
Location. Line 3-00E
Station 2+40N
Elevation
Logged C. Mark

Objective To test conductor 101P
Drilling Co. Norwescon Development Limited
Commenced Feb. 22, 1976
Completed Mar. 3, 1976
Length 318.0 feet

Core Location North Bay, Ontario
Distance to water 1000'
Casing Lost Nil
Core Size AQ

Tests

	Dip	Azimuth
At Collar	-55°	180°
150.0'	-41°	
318.0'	-33°	

Remarks Source of conductor probably the mineralized shear zone from 299.0 to 301.0.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
0.0	44.0	OVERBURDEN						
44.0	71.1	DACITIC TUFF	Light grey, fine-grained, even texture, well developed foliation at 60° to the core axis. Sub angular to rounded crystalline shards elongated along the foliation. Widely scattered porphyroblasts of sericite and epidote to 3mm's. Moderate to 1% carbonate, very fine grained subhedral pyrite locally to 1% over 1". 1cm quartz stringers at 80° to the core axis at 57.0 and 68.5. Lower contact abrupt gradational.					
71.1	77.5	DACITIC TUFF	Similar to section 44.0 to 71.1 but with widely scattered [illegible]eous (rhyolitic) rounded bombs to 4cms. Elongated along the foliation. Widely scattered subangular to rounded blue quartz eyes to 2mm.					
77.5	79.1	SHEAR ZONE	Black biotite-chlorite. Fine grained even texture, well foliated at 70° to the core axis and perpendicular to the dacitic tuff foliation.					

K TH-98 Jan/85

[illegible]erence - see Report 593NB for original drill logs.

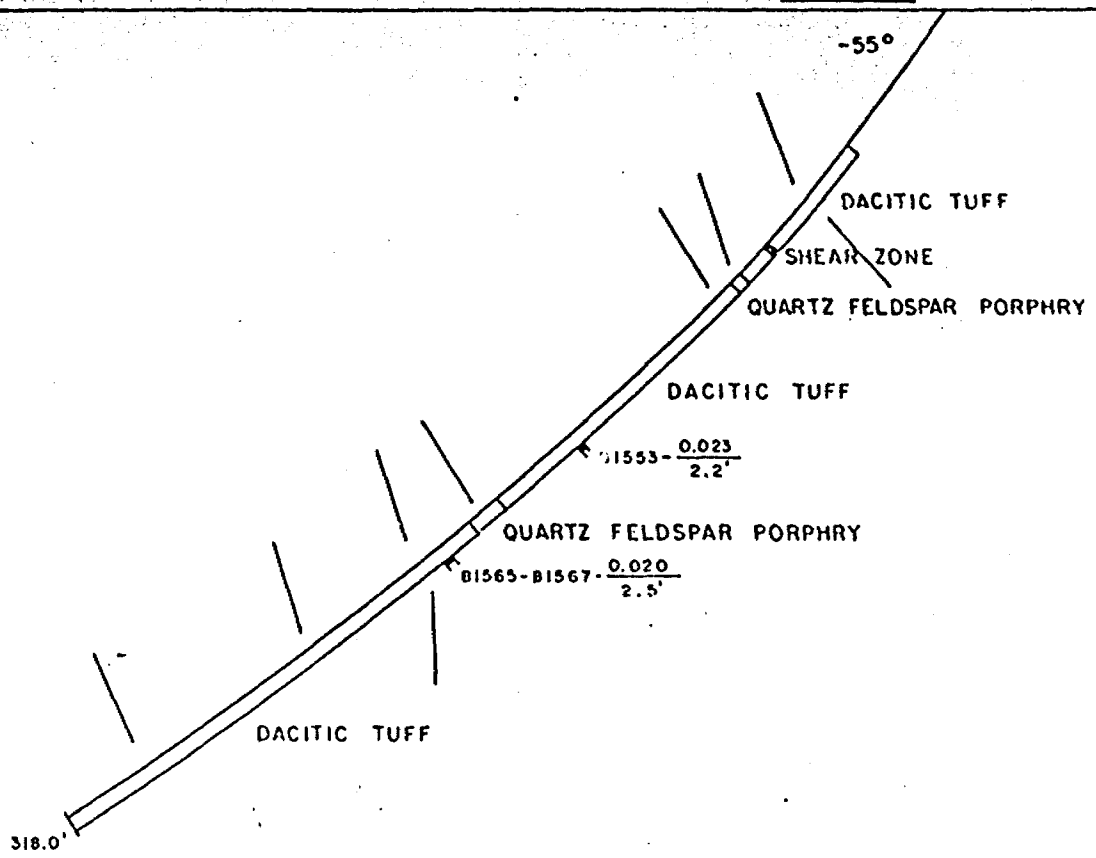
Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
79.1	88.4	DACITIC TUFF	Same as section 44.0 to 71.1 only medium grained.					
88.4	92.0	QUARTZ FELDSPAR PORPHYRY	Conformable to the tuff foliation. White medium to coarse grained, porphyritic. Rounded phenocrysts to 5mm, average 2mm. Lower contact chilled at 60° to the core axis.					
92.0	100.6	DACITIC TUFF	Same as 79.1 to 88.4. Foliation at 70° to the core axis. Blue quartz eyes become more abundant towards the end of the section.					
100.6	175.3	DACITIC TUFF	Same as section 44.0 to 71.1. 104.0 - 4cm angular breccia (fragments of 1cm) in a siliceous matrix.	B1553	148.0	150.2	2.2	0.023
175.3	184.9	QUARTZ FELDSPAR PORPHYRY	Same as section 88.4 to 92.0. Contacts sharp at 80° to the core axis.					
184.9	218.0	DACITIC TUFF	Same as section 44.0 to 71.1 except abundant rounded blue quartz eyes averaging 2mm and elongated along the foliation at 70° to core axis.	B1565 -B1567	194.0	196.5	2.5	0.020
218.0	253.4	DACITIC LAPILLI TUFF	Groundmass same as section 44.0 to 71.1 only medium grained. Scattered rounded partially digested rhyolite bombs to 3cm. Moderately siliceous. Well foliated at 70° to core axis. 240.5 - Numerous quartz seams at 45° to core axis.					
253.4	255.3	DACITIC TUFF	Same as section 71.1 to 77.5.					
255.3	318.0	DACITIC LAPILLI TUFF	Same as section 218.0 to 253.4, ptygmatic folding at 261.6 Foliation changes to 80° to the core					

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t					
			axis at 275.0. 1cm stringer of chalcopyrite 80° to the core axis at 300.2. 295.0-299.0 - Trace of pyrite and pyrrhotite. 299.0-301.0 - Chlorite biotite shear zone, 1% chalcopyrite, 0.5% pyrrhotite. 301.0-304.0 - Trace pyrite. 304.0-306.0 - 60% quartz tourmaline stringers, trace pyrite. 306.0-309.0 - Trace pyrite.										
318.0		END OF HOLE											

DDH. U6-12
L3+00E, 2+40N

Az. 180°

-55°



B1553 - $\frac{0.023}{2.2'}$ — Sample Number - $\frac{\text{Gold in ounces per ton}}{\text{Length in feet}}$

TECK EXPLORATIONS LIMITED		
Section through DDH. U6-12		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG: A.N.C.	SCALE: 0 25 50 feet	

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG*

Hole U6-13
Sheet 1 of 2

Job 984U N.T.S. 52 J/7
Property Group U-6
Township Conant
Location: Line 2+00E
Station 11+00N
Elevation
Logged C. Mark

Objective To test conductor 101P north
Drilling Co. Norwescon Development Limited
Commenced Mar. 12, 1976
Completed Mar. 13, 1976
Length 298.0 feet

Core Location North Bay, Ontario
Distance to water 1500'
Casing Lost Nil
Core Size AQ

Tests

	Dip	Azimuth
At Collar	-55°	South
150.0'	-43°	
298.0'	-20°	

Remarks Good drilling. Two runs contain 15 feet of unbroken core. Source of E.M. and Mag anomaly is pyrrhotite and chalcopyrite between 279.0 and 283.0.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/T
0.0	13.0	OVERBURDEN						
13.0	17.0	DACITIC TUFF	Light grey, fine-grained, even texture, well foliated at 60° to the core axis. Mafics elongated along the foliation. Trace of very fine-grained subhedral pyrite, minor carbonate.					
17.0	29.1	DACITIC TUFF	A highly siliceous variation of section 13.0 to 17.0 with scattered seams and disseminated very fine-grained pyrite. Sulphide content 2% to 3%.					
29.1	54.5	DACITIC TUFF	Same as section 13.0 to 17.0 47.0-48.0 - 2cm quartz - tourmaline stringer, 1% chalcopyrite.	14229	47.0	48.0	1.0	0.012
54.5	85.6	DACITIC LAPILLI TUFF	Medium grained, crystalline. Scattered. Sub-angular blue quartz eyes to 2mm. Numerous rounded partially digested rhyolite bombs to 3 cms. Elongated and oriented along the foliation at 65° to the core axis. Trace of pyrite. 62.1 - 1cm quartz stringer at 65° to the core axis.					

K TH-99 Jan/85

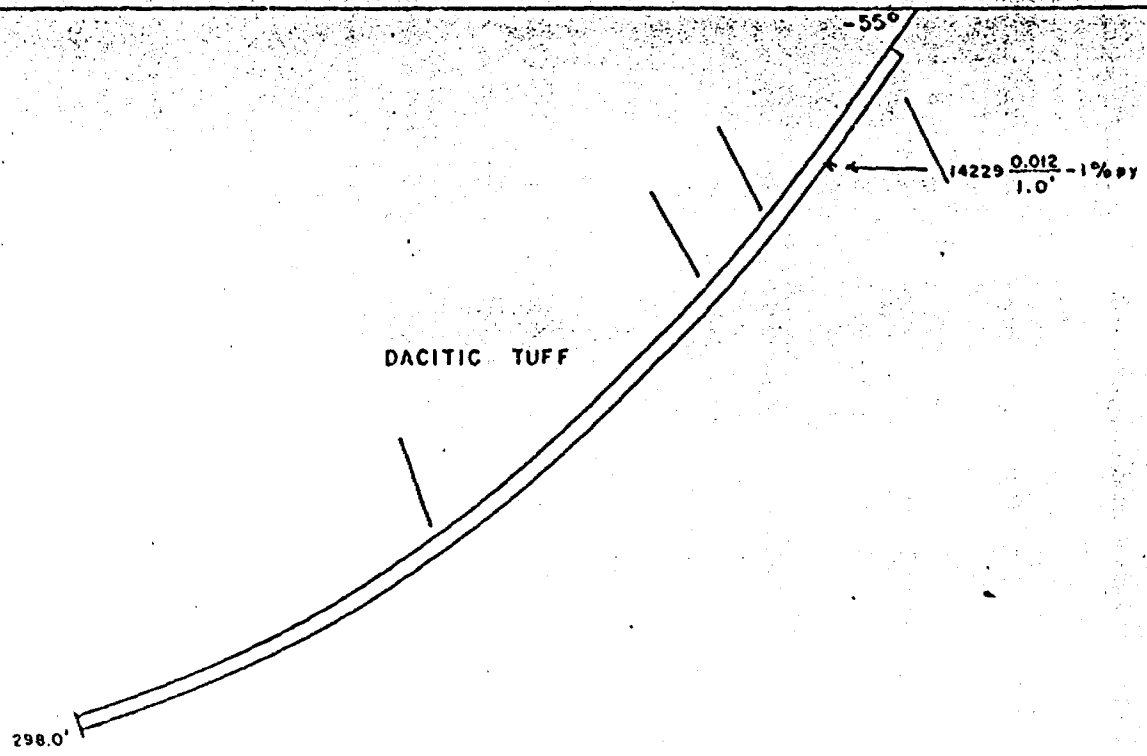
*Reference - see Report 5931B for original drill logs.

Depth (F) From	Depth (F) To	Rock Type	Description	Sample No.	From	To	Length Feet	Au oz/t
85.6	102.0	DACITIC TUFF	Sheared, altered. Much carbonate and sericite with a trace of epidote. Foliation at 70° to the core axis. Pyrite locally to 3% over 1 foot. 85.6-87.4 - 0.5% fine grained pyrite. 87.4-88.5 - 80% pyrite, 20% carbonate. 88.5-92.0 - 2% fine grained pyrite. 92.0-95.5 - 3% pyrite, 30% graphite-chlorite, 15% carbonate, 20% epidote-sericite. 95.5-99.0 - Trace of pyrite, strongly carbonated. 99.0-102.0 - 2% pyrite.					
102.0	170.9	DACITIC LAPILLI TUFF	Same as section 54.5 to 85.6 except more abundant blue quartz eyes. 125.7-128.6 - Graphite - chlorite - biotite. Shear at 70° to the core axis. 3% pyrite.					
170.9	213.0	DACITIC TUFF	Same as 13.0 to 17.0 except medium grained and abundant blue quartz eyes. Foliation 75° to the core axis. 189.0-193.5 - 2% pyrite in seams to 2mm. 193.5-195.0 - 10" quartz carbonate stringer at 60° to the core axis. 195.0-196.5 - Trace of pyrite. 196.5-198.0 - 2cm sulphide stringer at 75° to the core axis. 25% chalcopyrite, 4.0% pyrite. 198.0-199.5 - 1% pyrite. 199.5-202.0 - 1 1/2% pyrite.					
213.0	298.0	DACITIC TUFF	Same as section 13.0-17.0 with widely scattered blue quartz eyes to 2mm. 275.0-276.5 - Graphite chlorite shear 3% pyrite.					
298.0		END OF HOLE						

DDH. U6-13
L 2+00E, 1+00N

∠Az. 180°

-55°

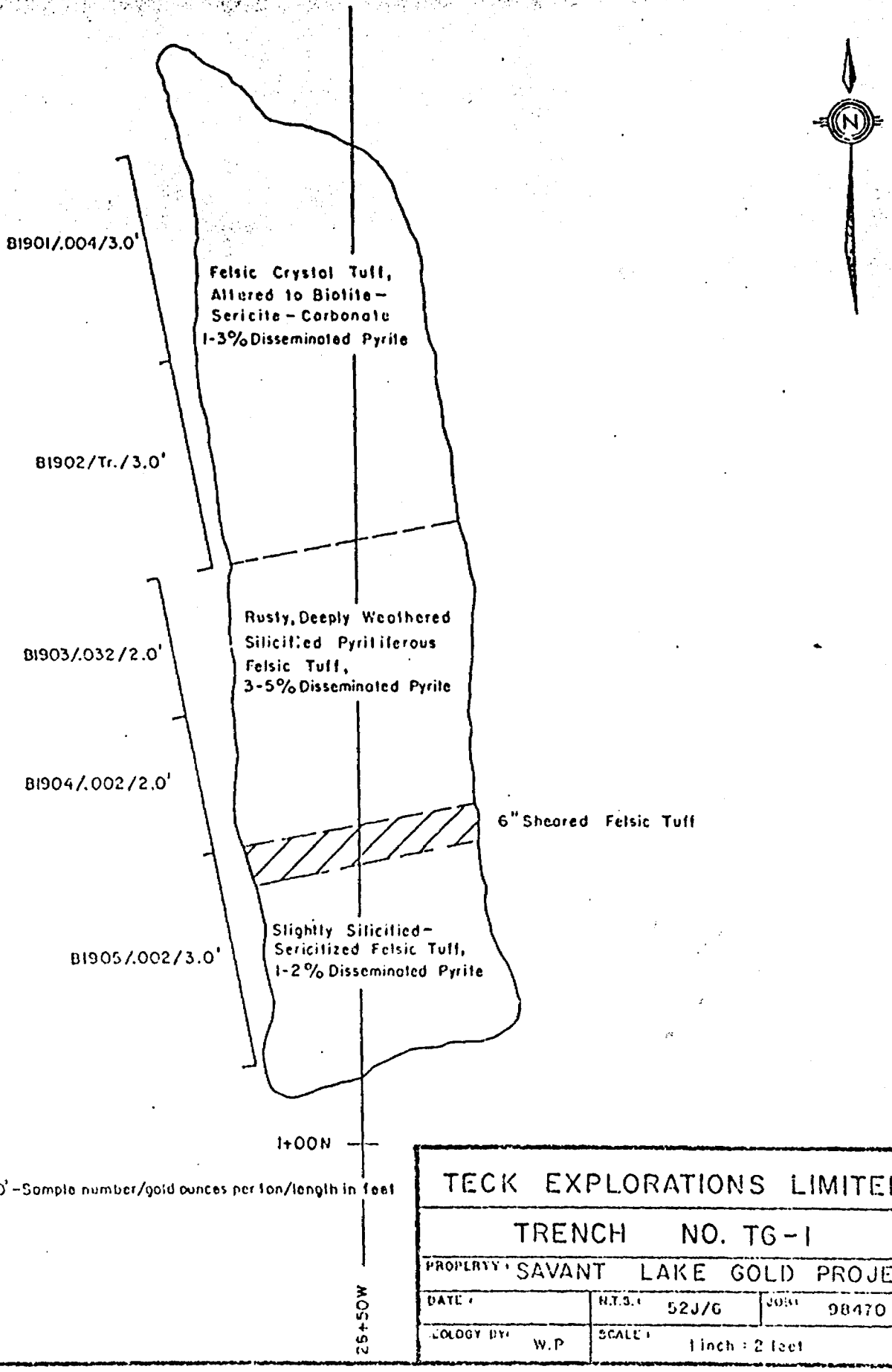


14229 $\frac{0.012}{1.0}$ - = Sample Number $\frac{\text{Gold in ounces per ton}}{\text{Length in feet}}$

TECK EXPLORATIONS LIMITED		
Section through DDH. U6-13		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE: DEC. 1984	N.T.S.: 52 J/7	JOB: 98470
DWG: A.N.C.	SCALE: 0 25 50 feet	

APPENDIX E

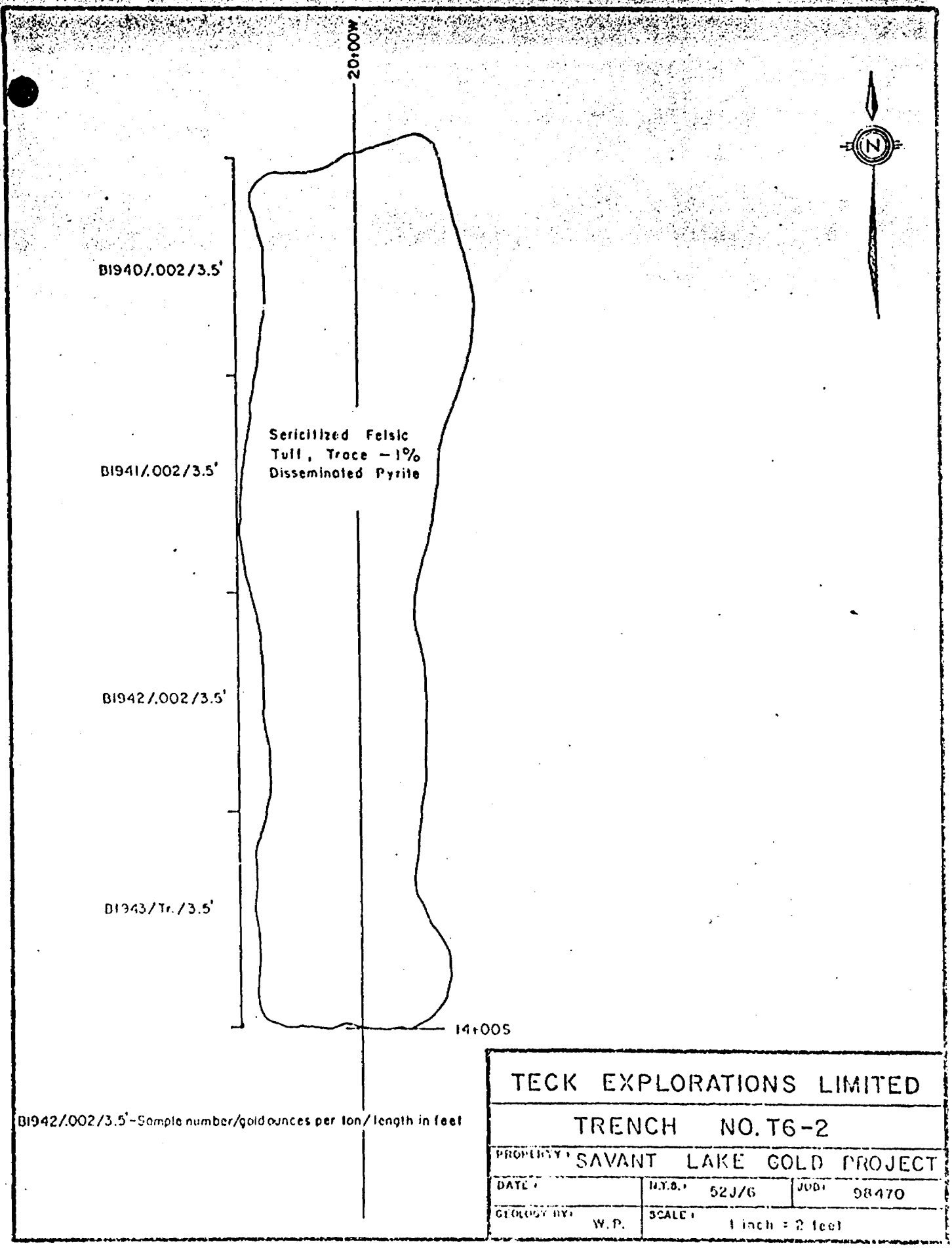
U-6 TRENCH SKETCHES



B1905/.002/3.0' – Sample number/gold ounces per ton/length in feet

TECK EXPLORATIONS LIMITED		
TRENCH NO. TG-1		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB#: 98470
GEOLOGY BY: W.P	SCALE: 1 inch = 2 feet	

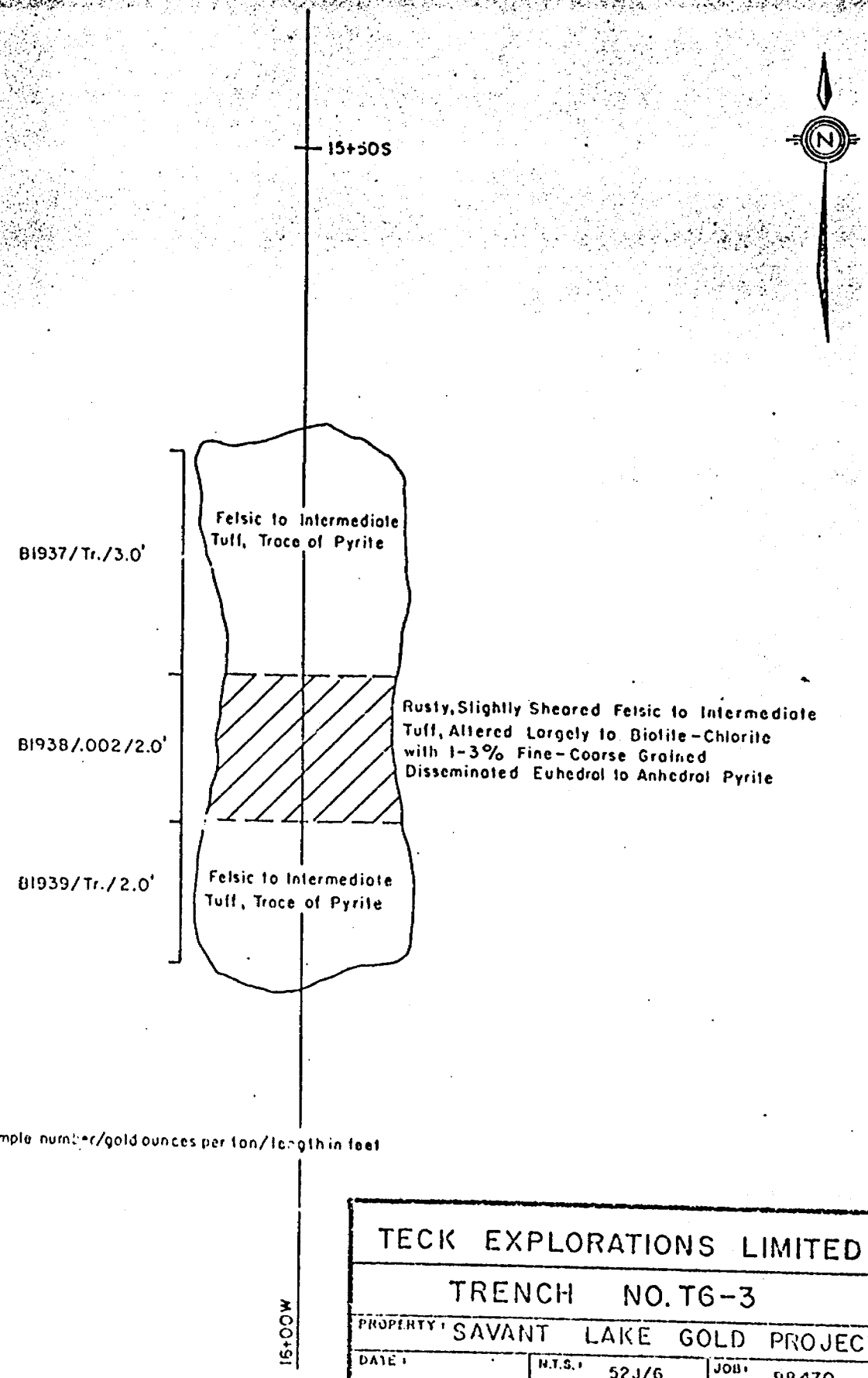
2 FT



B1942/.002/3.5'-Sample number/gold ounces per ton/length in feet

TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-2		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 98470
GEOLOGY BY: W.P.	SCALE: 1 inch = 2 feet	

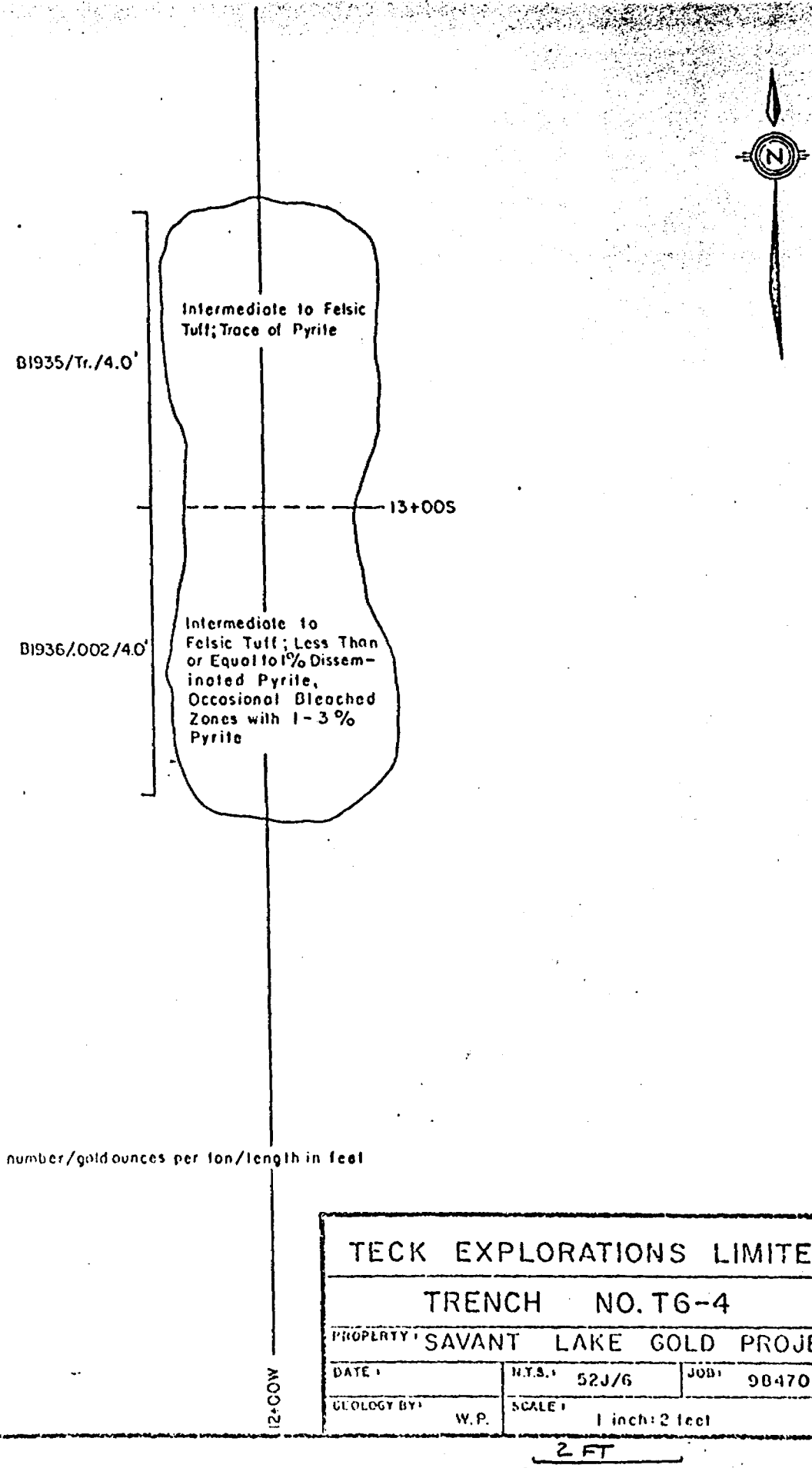
2FT



B1938/.002/2.0' – Sample number/gold ounces per ton/length in feet

TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-3		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 98470
GEOLOGY BY: W.P.	SCALE: 1 inch : 2 feet	

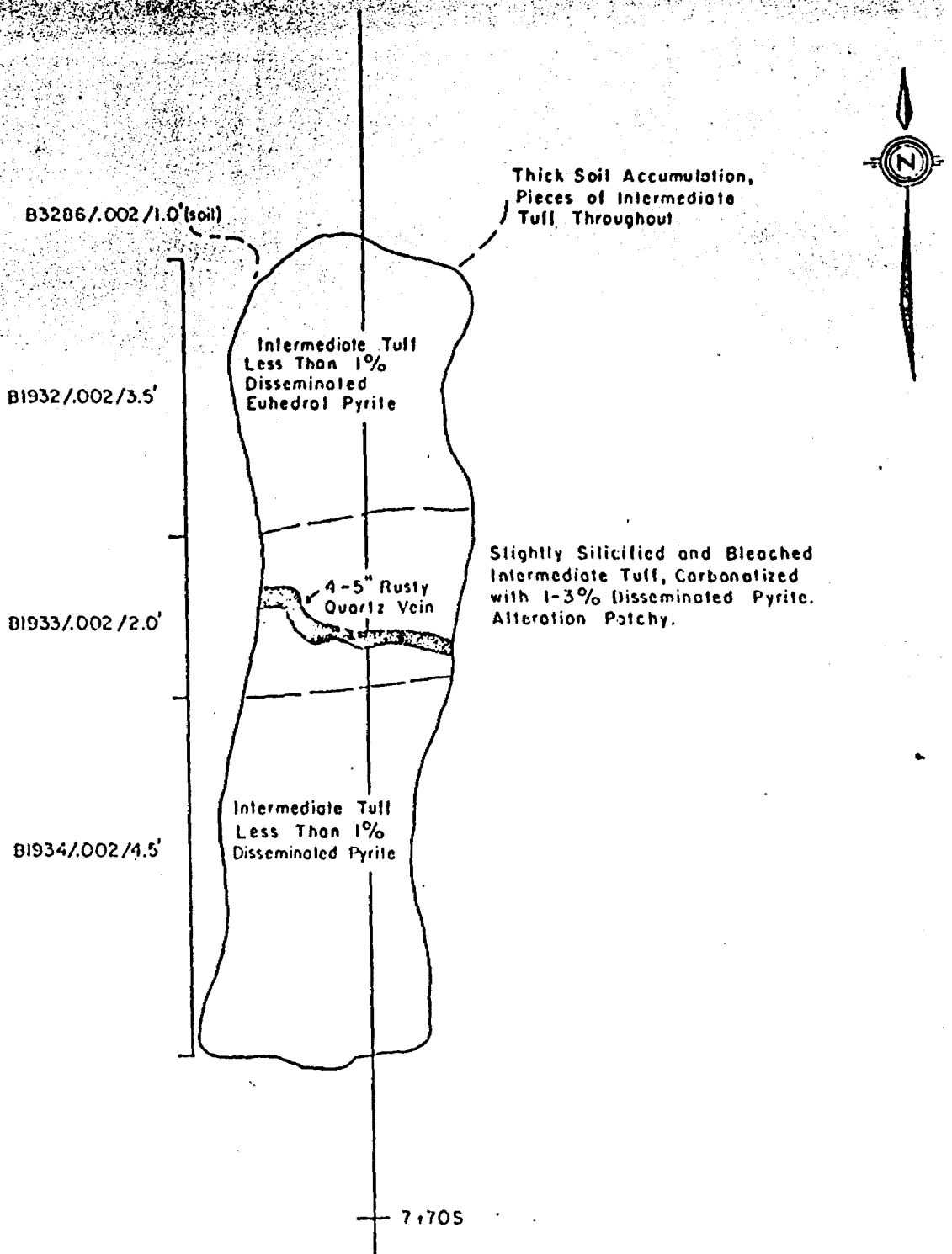
21



B1936/.002/4.0' -Sample number/gold ounces per ton/length in feet

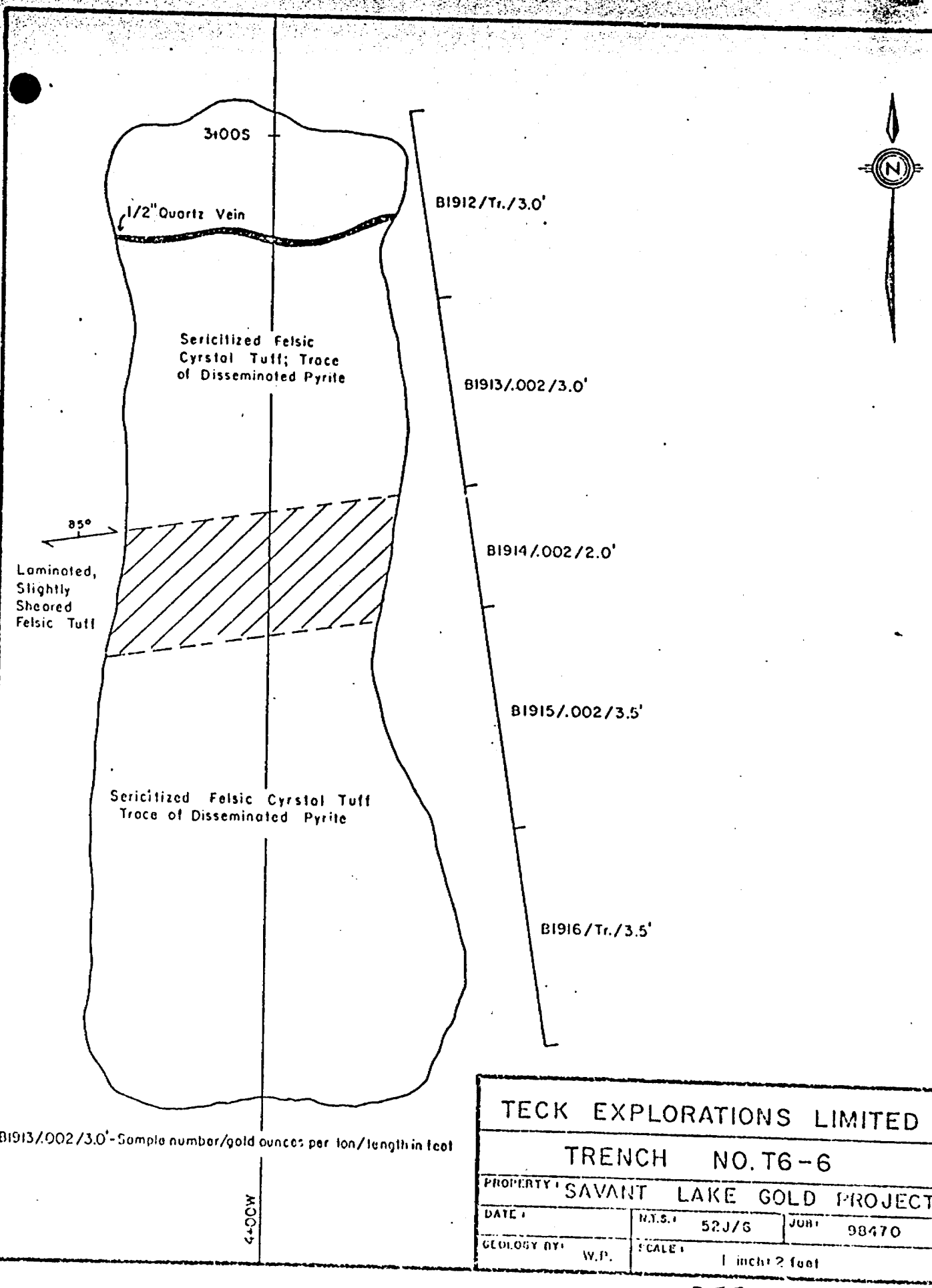
TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-4		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 98470
GEOLOGY BY: W.P.	SCALE: 1 inch: 2 feet	

2 FT

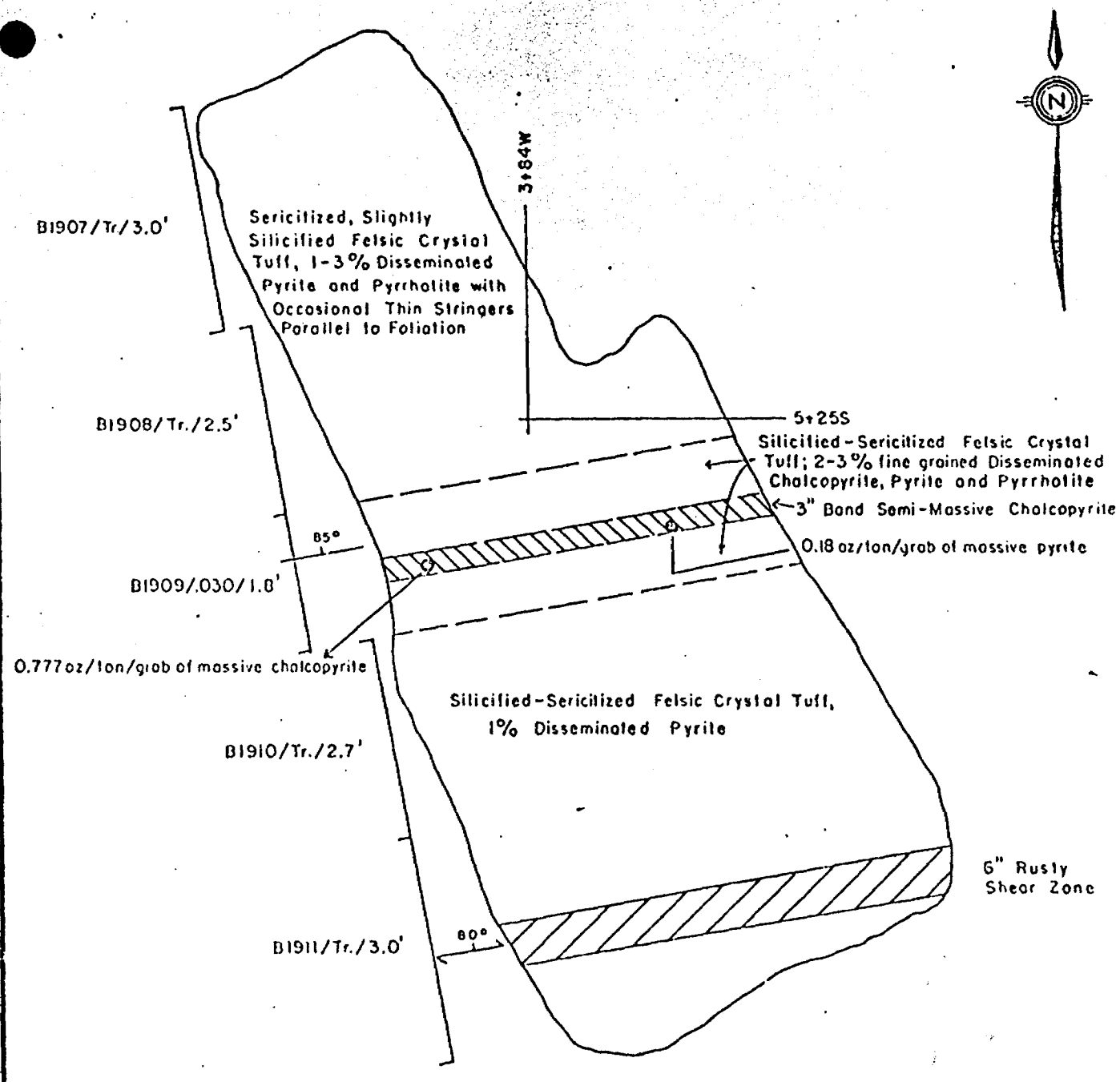


TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-5		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 98470
GEOLOGY BY: W.P.	SCALE: 1 inch: 2 feet	

2 FT



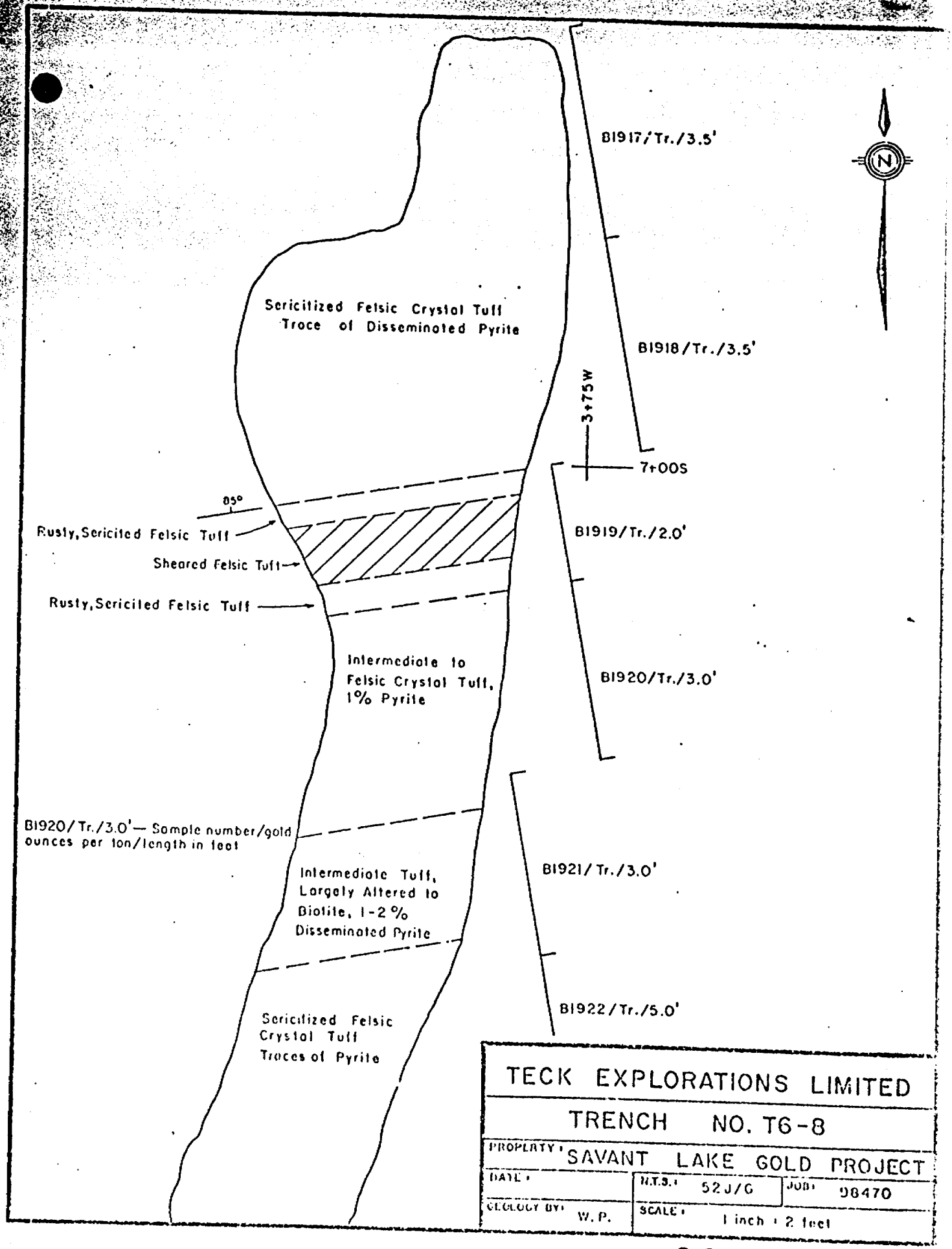
TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-6		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 98470
GEOLOGY BY: W.P.	SCALE: 1 inch = 2 feet	



B1909/.030/1.8' - Sample number/gold ounces per ton/length in feet

TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-7		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 93470
GEOLOGY BY: W.P.	SCALE: 1 inch = 2 feet	

2 Ft

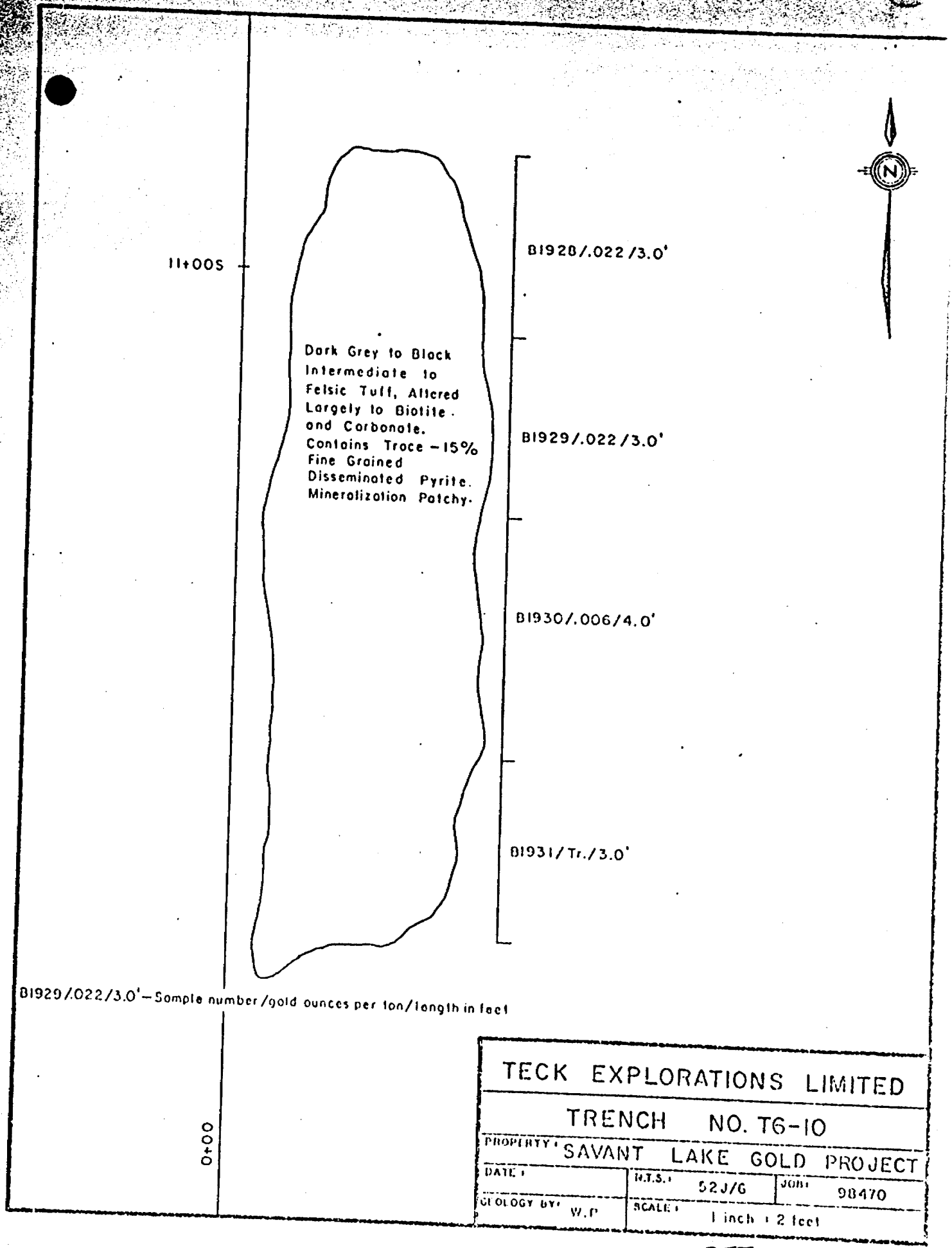


TECK EXPLORATIONS LIMITED

TRENCH NO. T6-8

PROPERTY: SAVANT LAKE GOLD PROJECT

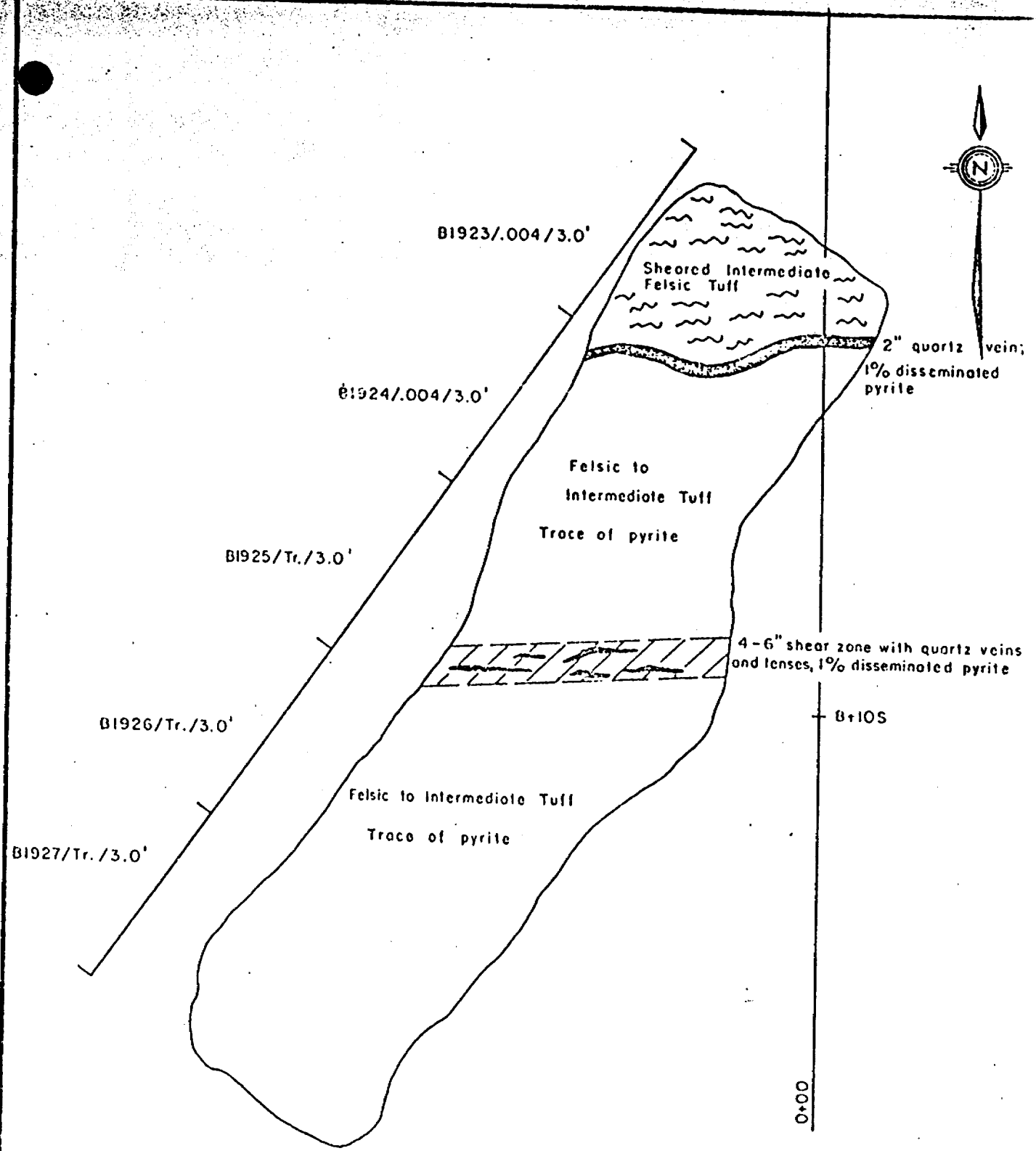
DATE:	N.T.S.: 52J/G	JOB: 98470
GEOLOGY BY: W. P.	SCALE: 1 inch = 2 feet	



B1929/.022/3.0' – Sample number/gold ounces per ton/length in feet

TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-10		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/G	JOB: 98470
GEOLOGY BY: W.P	SCALE: 1 inch = 2 feet	

2FT



B1924/.004/3.0' - Sample number/gold ounces per ton/length in feet

TECK EXPLORATIONS LIMITED		
TRENCH NO. T6-9		
PROPERTY: SAVANT LAKE GOLD PROJECT		
DATE:	N.T.S.: 52J/6	JOB: 98470
GEOLOGY BY: W. P.	SCALE: 1 inch = 2 feet	

2 FT

OM84-2-C-146

86/06/87

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES. (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES) :

Comparisons :

① Diamond Drilling Logs → HOLE NO.

U 16-1, U 16-2 → 52J/07SE-0073 #2.8915

U 16-7 → 52J/07SE-0024-D1 BOUCHER TWP. D.D.# 35

Teck Explorations Ltd. JAN. - FEB. 1985

② Diamond Drill Holes : U6-4 and U6-7 to U6-13 Assay Reports. (Au)

Teck Explorations Ltd. date unknown → 52J/07SE-0035-C1 #2.8171

③ The following Maps :

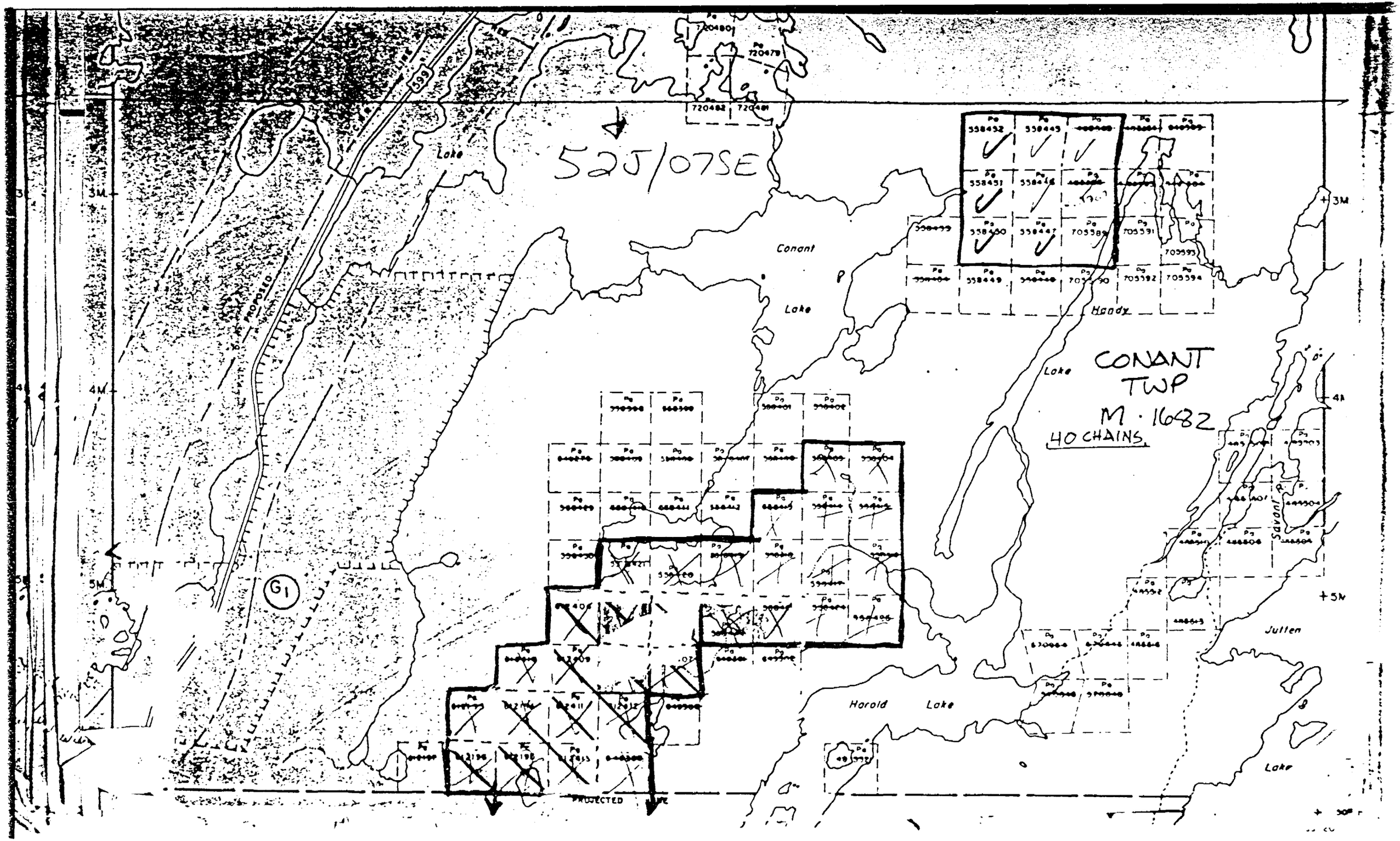
		DWG. NO.	
JUNE '83	ELECTROMAGNETIC SURVEY	5513-2b	→ 52J/07SE-0064 #2.7703
MAY '84	SHOOTBACK PROFILES	5513-2b-1	
"	"	5513-2b-2	
"	"	5513-2b-3	
SEPT. '83	GEOLOGICAL SURVEY	5513-2a	→ 52J/07SE-0073 #2.8915
" '84	COMPILATION	5513-2a-1	
JUNE '83	MAGNETOMETER SURVEY	5513-1c	→ 52J/07SE-0057 #2.7765
JUNE '83	ELECTROMAGNETIC SURVEY	5513-3b	→ 52J/07SE-0074 #63.4476.

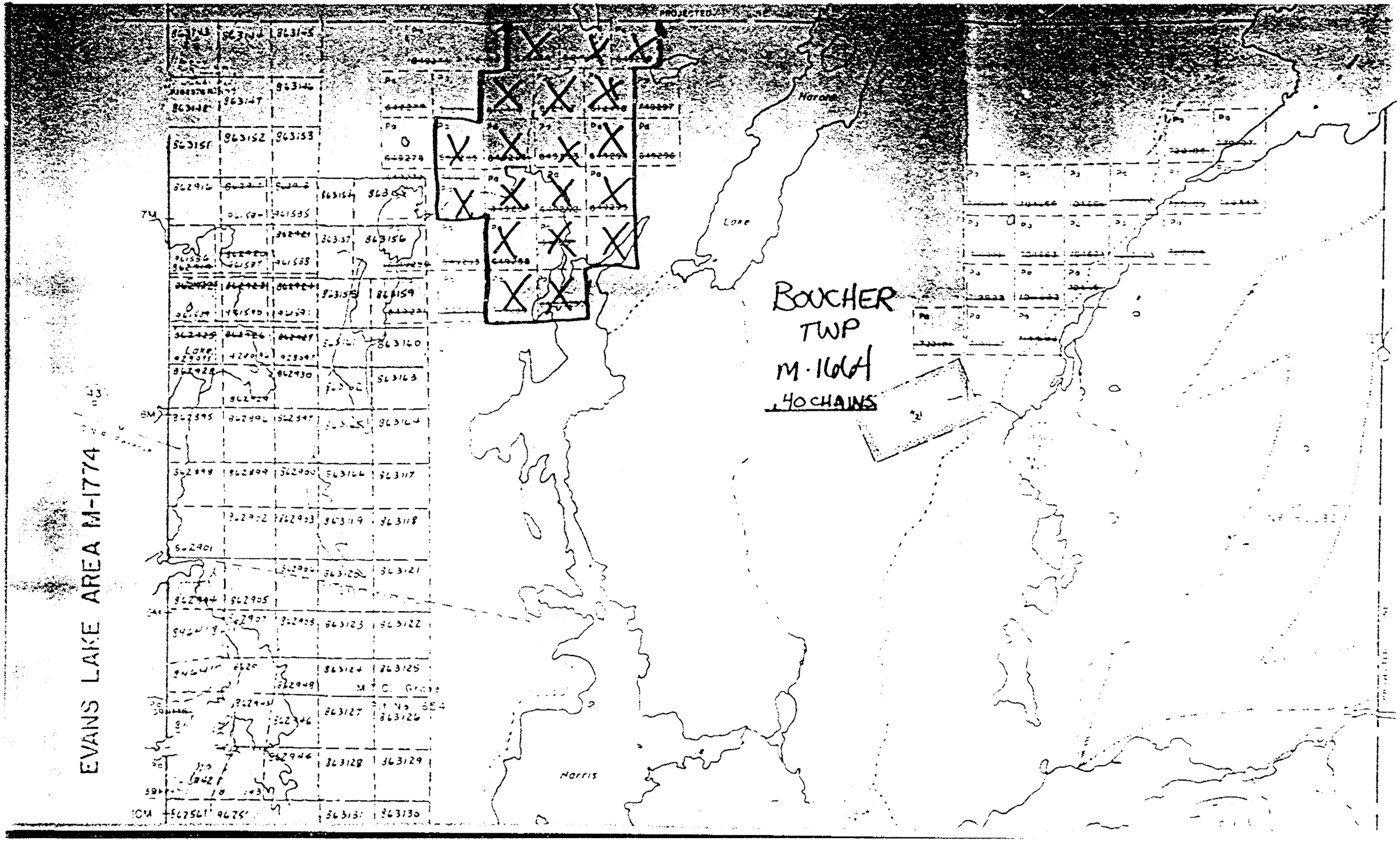
OVER

JUNE 1984 GEOCHEMICAL SURVEY 5668 c ⟶ 52J/01SE - 0061 - A1 " 1

" 2.7806

TECK EXPLORATIONS

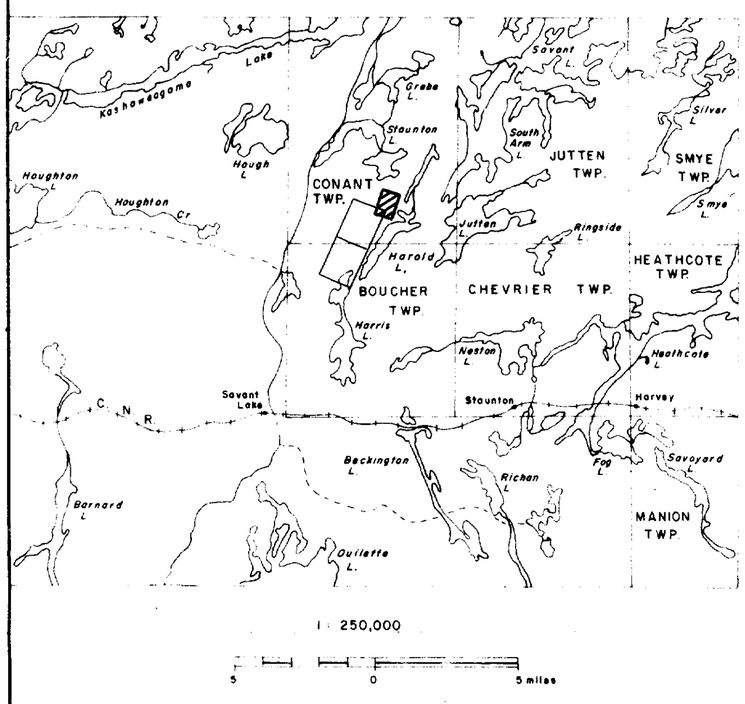

525/07SE
CONANT
TWP
M · 1682
40 CHAINS
Conant
Lake
Hoadley
Lake
Harold
Lake
Lake
Savoy
Julien
Lake
PROPOSED
LINE
599
PROJECTED
LINE
G1
3M
4M
5M
+3M
+4M
+5M


EVANS LAKE AREA M-1774
BOUCHER
TWP
M-1664
40 CHAINS
PROJECTED
Lake
Harris

FOR ADDITIONAL INFORMATION SEE MAPS:

52J/07SE-0079 #1-12

DWG NO 5513-1a



LEGEND

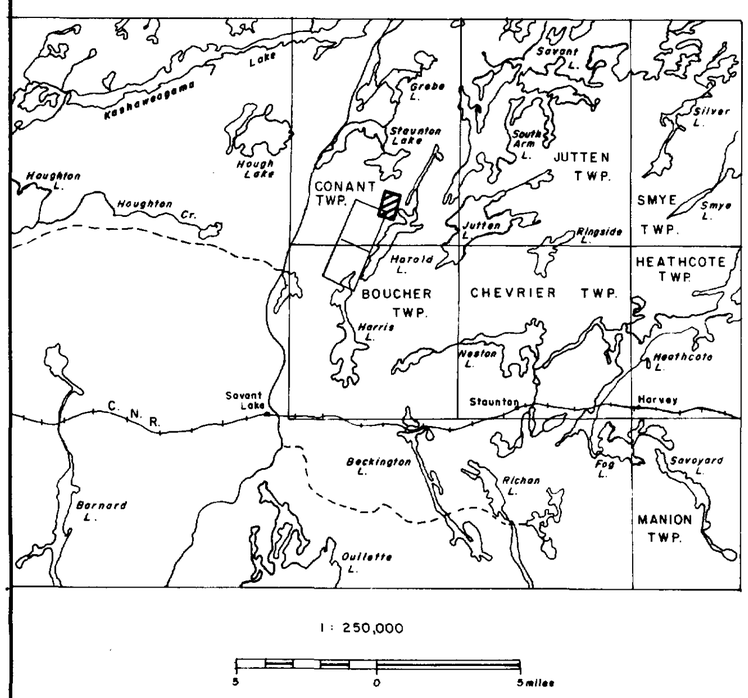
- 8 DIORITE
- 7 FELSIC HYPABYSSAL
  - (y) quartz-feldspar porphyritic
  - (z) feldspar porphyritic
- 6 FELSIC VOLCANICS
  - (a) dacite
  - (b) rhyodacite
  - (u) feldspar-porphyritic
  - (v) massive (flow?)
  - (w) laminated, bedded (tuff)
  - (x) lapilli tuff
  - (y) tuff breccia
  - (z) sericitized
- 5 INTERMEDIATE-FELSIC VOLCANICS
  - (v) fine bedded tuff, minor siltstone
  - (w) lapilli tuff
- 4 CLASTIC SEDIMENTS
  - (a) siltstone
  - (b) graphitic argillite
  - (c) sulphide-rich
  - (d) cherty
  - (y) massive
  - (z) laminated, bedded
- 3 ACTINOLITE-TALC ROCK
- 2 BASALT
  - (a) tuff
  - (b) pillowed
- 1 AMPHIBOLITE
  - (a) amphibole content 10-35%
  - (b) amphibole content 35-75%
  - (c) amphibole content >75%
  - (u) garnetiferous
  - (v) variegated
  - (w) massive
  - (x) coarse-grained
  - (y) fine-grained
  - (z) laminated, bedded

- Outcrop
- Bedding
- Schistosity (1st, 2nd)
- Contact
- Fault
- ● 5/(3) Grab sample (rock) - No & Assay (ppb) Au
- 42 + 32 B-horizon soil sample - No. & Assay (ppb) Au
- Quartz vein
- Swamp or marsh

52J/07SE-0079, #1

TECK EXPLORATIONS LIMITED	
SURVEY: GEOLOGICAL SURVEY	DWG BY: D.A.G.
PROPERTY / AREA: GROUP U-16, NORTHERN GRID SAVANT LAKE, ONTARIO	CHK BY: J.S.F.
	DATE: 1983-09-09
CLIENT: SAVANT LAKE GOLD PROJECT	JOB: 98470
	NTS: 52J/7
SCALE: 0 200 400 feet, 1 inch = 200 feet	DWG NO: 5513-1a

DWG. NO. : 5513-1b



1 : 250,000

5 0 5 miles

— — Conductor Axis

INSTRUMENT :	CRONE C.E.M. UNIT
OPERATOR :	MARION, ASSELIN
Tx STATION :	
COIL SEPARATION :	400 feet
FREQUENCY :	1830 Hz.

DEC. 1984	K.R.T.
REVISED DATE	CHK.

REFERENCE:

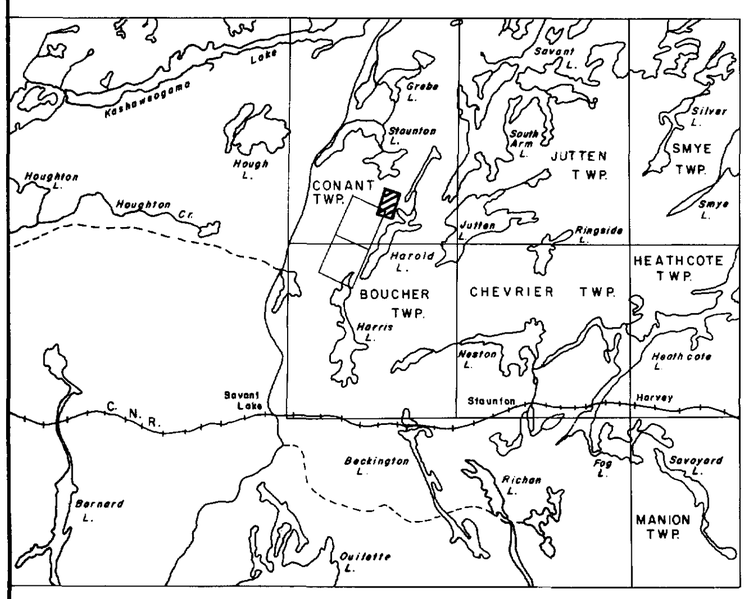
52J/07SE-0079, #2

TECK EXPLORATIONS LIMITED

SURVEY : ELECTROMAGNETIC SURVEY	DWG. BY : C.E.K.
	CHK. BY : K.R.T.
PROPERTY / AREA : GROUP U-16, NORTHERN GRID SAVANT LAKE, ONTARIO	DATE : 1983-06-25
	JOB : 98470
CLIENT : SAVANT LAKE GOLD PROJECT	NTS. : 52J/7
SCALE : 0 200 400 feet, 1 inch = 200 feet	DWG. NO. : 5513-1b

2

DWG. NO. : 5513 - Id



1 : 250,000

5 0 5 miles

Au Geochemical Contour Interval

high background (67th-92nd percentile) = 37-70 ppb

second order anomalous (92nd-97.5th percentile) = 71-190 ppb

first order anomalous (> 97.5th percentile) = 190 ppb

P. 50 (background) = 28 ppb

Sample Numbers 330 – 2 / 331 – 3(A) ppb Au / 619 – MISS missing sample

(A) Sample taken from "A" horizon (humus)

< Less than

All samples taken from "B" horizon (soils) except where indicated.

Analysis Done By : X-Ray Assay Laboratories
Method : FADCP (B Horizon), NA (A Horizon)
Detection Limit : 2 ppb – B horizon
1 ppb – A horizon

52J/07SE-0079, #3

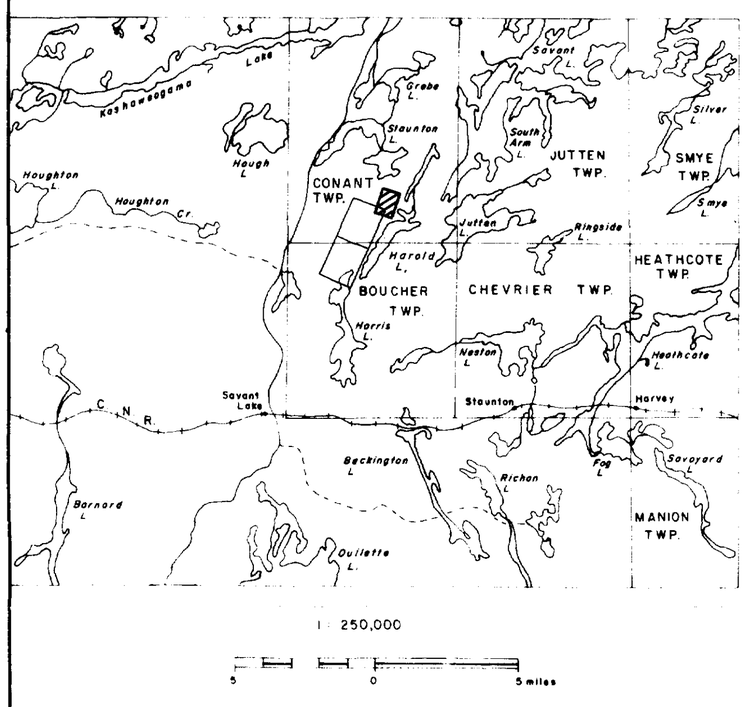
REFERENCE:	
DEC. 1984	K.R.T.

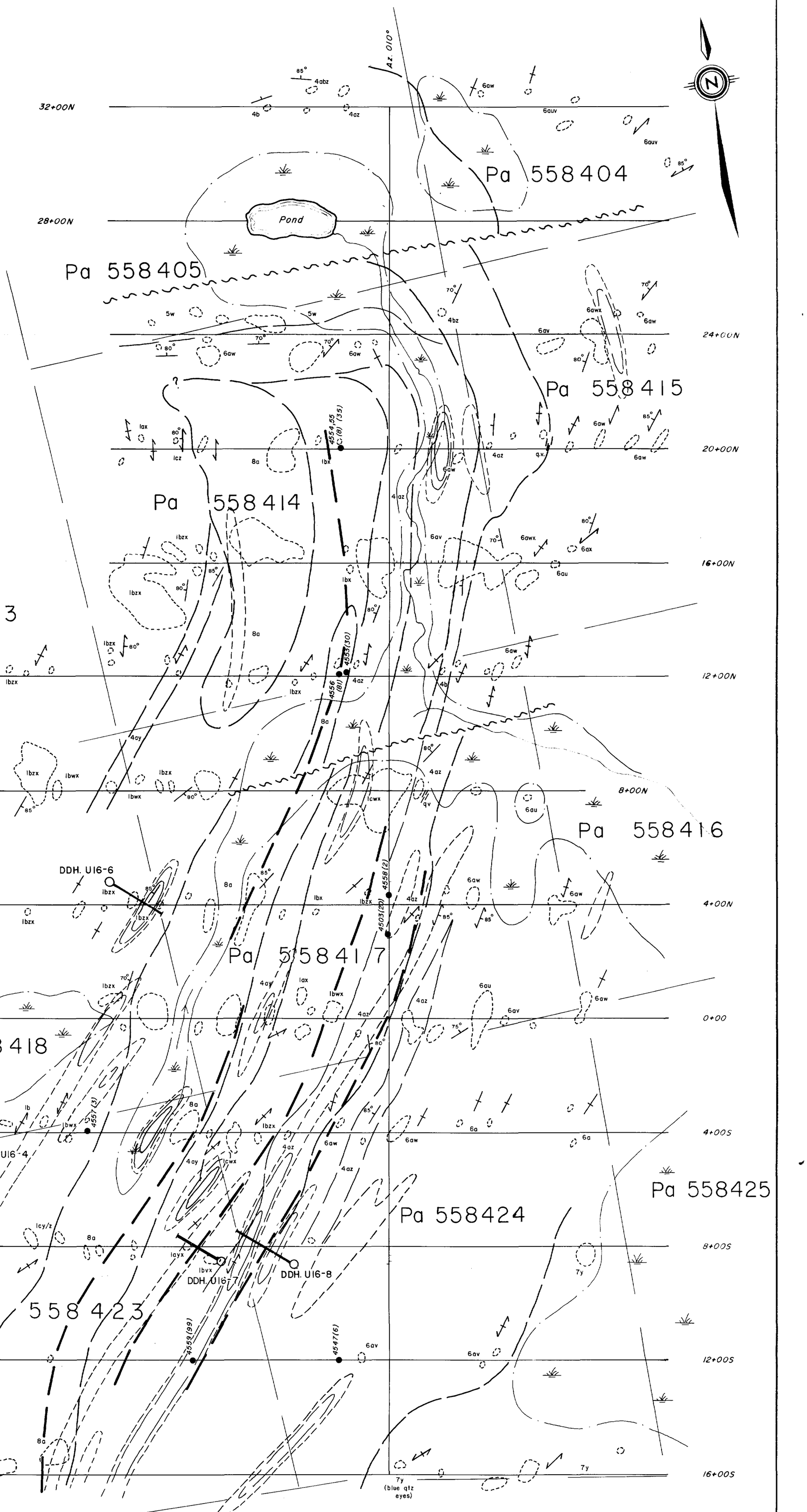
TECK EXPLORATIONS LIMITED

SURVEY : GEOCHEMICAL SURVEY	DWG. BY : D.A.G.
PROPERTY / AREA : GROUP U-16, NORTHERN GRID SAVANT LAKE, ONTARIO	CHK. BY : K.R.T.
	DATE : 1983-06-25
CLIENT : SAVANT LAKE GOLD PROJECT	JOB : 98470
	N.T.S. : 52J/7
SCALE : 0 200 400 feet, 1 inch = 200 feet	DWG. NO. : 5513 - Id

3

DWG NO 5513-Ie





LEGEND

- 8 DIORITE
- 7 FELSIC HYPABYSSAL
  - (y) quartz-feldspar porphyritic
  - (z) feldspar porphyritic
- 6 FELSIC VOLCANICS
  - (a) dacite
  - (b) rhyodacite
  - (u) feldspar-porphyritic
  - (v) massive (flow?)
  - (w) laminated, bedded (tuff)
  - (x) lapilli tuff
  - (y) tuff breccia
  - (z) sericitized
- 5 INTERMEDIATE-FELSIC VOLCANICS
  - (v) fine bedded tuff, minor siltstone
  - (w) lapilli tuff
- 4 CLASTIC SEDIMENTS
  - (a) siltstone
  - (b) graphitic argillite
  - (c) sulphide-rich
  - (d) cherty
  - (y) massive
  - (z) laminated, bedded
- 3 ACTINOLITE-TALC ROCK
- 2 BASALT
  - (a) tuff
  - (b) pillowed
- 1 AMPHIBOLITE
  - (a) amphibole content 10-35%
  - (b) amphibole content 35-75%
  - (c) amphibole content >75%
  - (u) garnetiferous
  - (v) variegated
  - (w) massive
  - (x) coarse-grained
  - (y) fine-grained
  - (z) laminated, bedded

- Outcrop
- Bedding
- Schistosity (1st, 2nd)
- Contact
- Fault
- 51(3) Grab sample (rock) - No & Assay (ppb) Au
- 42 + 32 B-horizon soil sample - No. & Assay (ppb) Au
- qv Quartz vein
- Swamp or marsh
- EM conductor axis

Au Geochemical Contour Interval

- high background (67th-92nd percentile) = 37-70 ppb
- second order anomalous (92nd-97.5th percentile) = 71-190 ppb
- first order anomalous (> 97.5th percentile) = 190 ppb

P. 50 (background) = 28 ppb

52J/07SE-0079, #4

TECK EXPLORATIONS LIMITED

SURVEY COMPILATION

PROPERTY / AREA GROUP U-16, NORTHERN GRID
SAVANT LAKE, ONTARIO

CLIENT SAVANT LAKE GOLD PROJECT

SCALE 0 200 400 feet
1 inch = 200 feet

DWG BY	D.A.G.
CHK BY	J.S.F.
DATE	1983-09-09
JOB	98470
NTS	52J/7
DWG NO	5513-Ie

52J/07SE-0079,#5

NORTH CHANNELS

A: B1307 Trace / 3.4'

B: B798 0.060 / 1.5'

C: B797 0.018 / 2.5'

D: B796 0.046 / 2.4'; B795 0.044 / 2.3; B794 Trace / 5.0'; B793 0.024 / 5.0'; B792 0.022 / 5.0'

E: B1306 0.008 / 3.8'

F: B1305 0.012 / 2.3'

G: B1304 Trace / 4.2'

H: B1303 Trace / 5.0'

I: B1302 Trace / 2.3'; B1301 Trace / 5.0'

J: B800 Trace / 3.3'

0 1 2 4 6 8 10 feet

1 inch = 2 feet

CENTRAL CHANNELS

K: B775 Trace / 2.0'; B776 Trace / 3.0'; B777 Trace / 2.3'; 5% q.v.; B778 Trace / 3.3'; B779 Trace / 2.5'; B780 0.002 / 2.9'; B781 0.006 / 2.2'; B782 0.008 / 2.0'; B783 Trace / 3.0'; B784 0.015 / 4.0'

L: B791 0.088 / 4.0'; B790 0.016 / 4.0'

M: B765 0.002 / 1.7'

N: B766 Trace / 4.0'

P: B767 Trace / 2.5'; B768 Trace / 2.4'; B769 Trace / 3.3'

Q: B770 0.003 / 2.6'; B771 0.004 / 2.0' – 20% q.v.

R: B772 Trace / 2.5' – 5% q.v.

0 1 2 4 6 8 10 feet

1 inch = 2 feet

SOUTH CHANNELS

S: B743 0.008 / 3.0'; B744 0.006 / 2.0'

T: B745 Trace / 3.8'

U: B746 0.02 / 2.9'

V: B748 Trace / 2.6'; B747 0.006 / 2.7'

W: B785 0.002 / 2.0'

X: B749 0.026 / 2.7' – 10% q.v.; B750 0.024 / 2.6; B744 0.006 / 2.0'

Y: B751 0.008 / 2.1'; B752 0.006 / 5.5' – 10% q.v.; B753 Trace / 4.1' – 10% q.v.; B754 0.008 / 4.2' – 10% q.v.; B755 0.004 / 4.2' – 10% q.v.; B756 Trace / 3.1' – 20% q.v.; B757 Trace / 5.1' – 20% q.v.; B758 Trace / 5.3' – 40% q.v.; B759 Trace / 2.7' – 35% q.v.; B760 Trace / 2.8' – 40% q.v.; B761 0.006 / 2.8' – 20% q.v.

Z: B762 Trace / 3.5' – 40% q.v.; B763 Trace / 3.7' – 20% q.v.

AA: B764 0.132 / 3.3' – 40% q.v.

GEOLOGY BY: T.N.J. HUGHES

LEGEND

6 RHYOLITE
a tuff

4 CLASTIC SEDIMENTS
a siltstone
b cherty
y massive

2 INTERMEDIATE VOLCANICS
a amphibole (35%

1 AMPHIBOLITE
a mafic volcanics (35%-65% amphibole)
b mafic-ultramafic volcanics (>65% amphibole)
c fine-medium grained
d medium-coarse grained
e banded or crudely foliated
f massive or recrystallized
g foliated
h laminated (chert-carbonate bands)

FOLIATION - a inclined, b vertical, c dip varies

q.v. quartz veining
py pyrite
mag magnetite

OUTCROP

GEOLOGICAL CONTACT - a defined, b assumed

TRENCH

CHANNEL

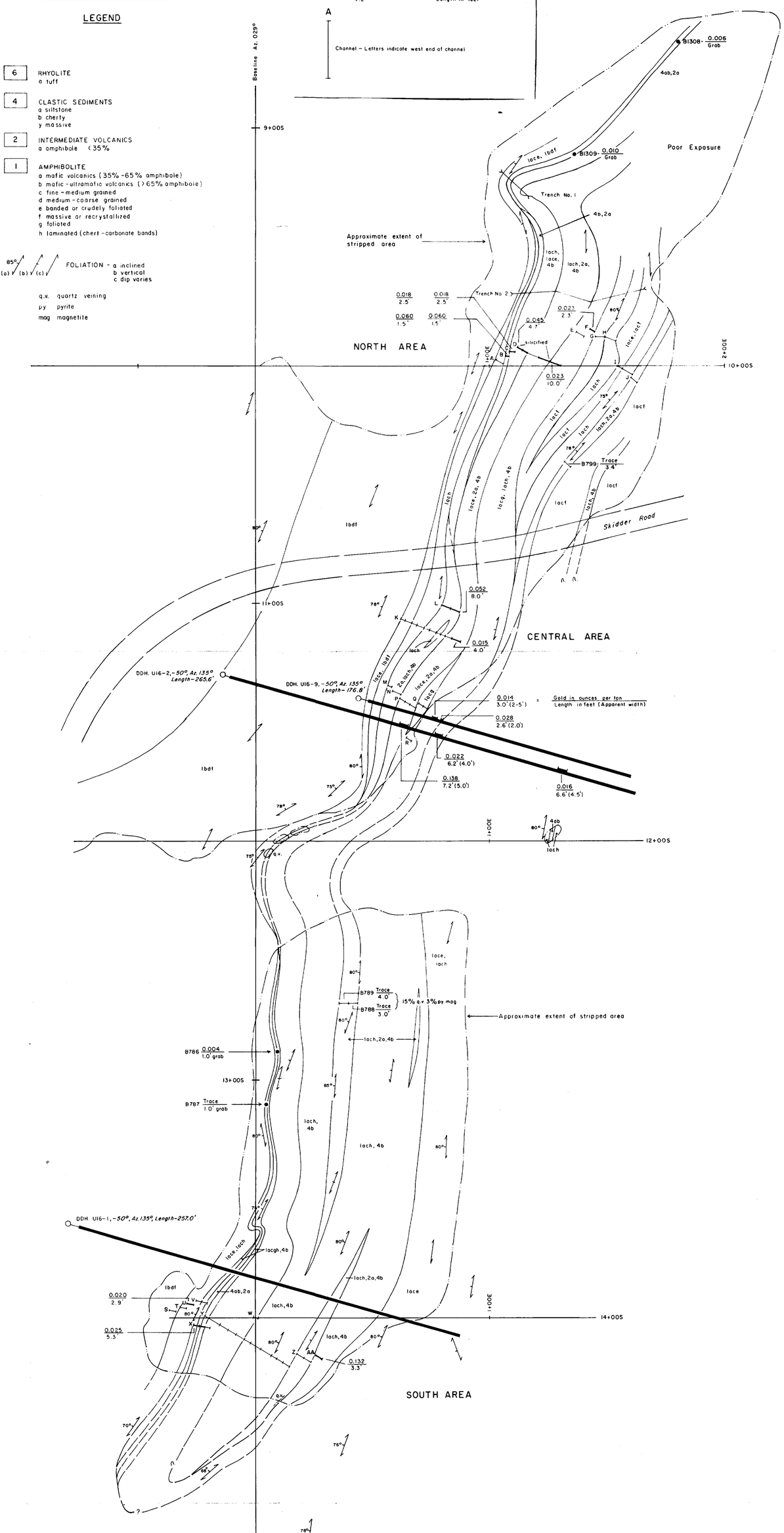
DRILL HOLE - projected to surface

SWAMP

SAMPLE LOCATION

B754 – 0.008 / 4.2' = Sample Number – Gold in ounces per ton / Length in feet

A: Channel – Letters indicate west end of channel



REFERENCE :

52J07SE0825 63.4585 BOUCHER

240

To Accompany Report No. 1014NB

52J/07SE-0079,#5

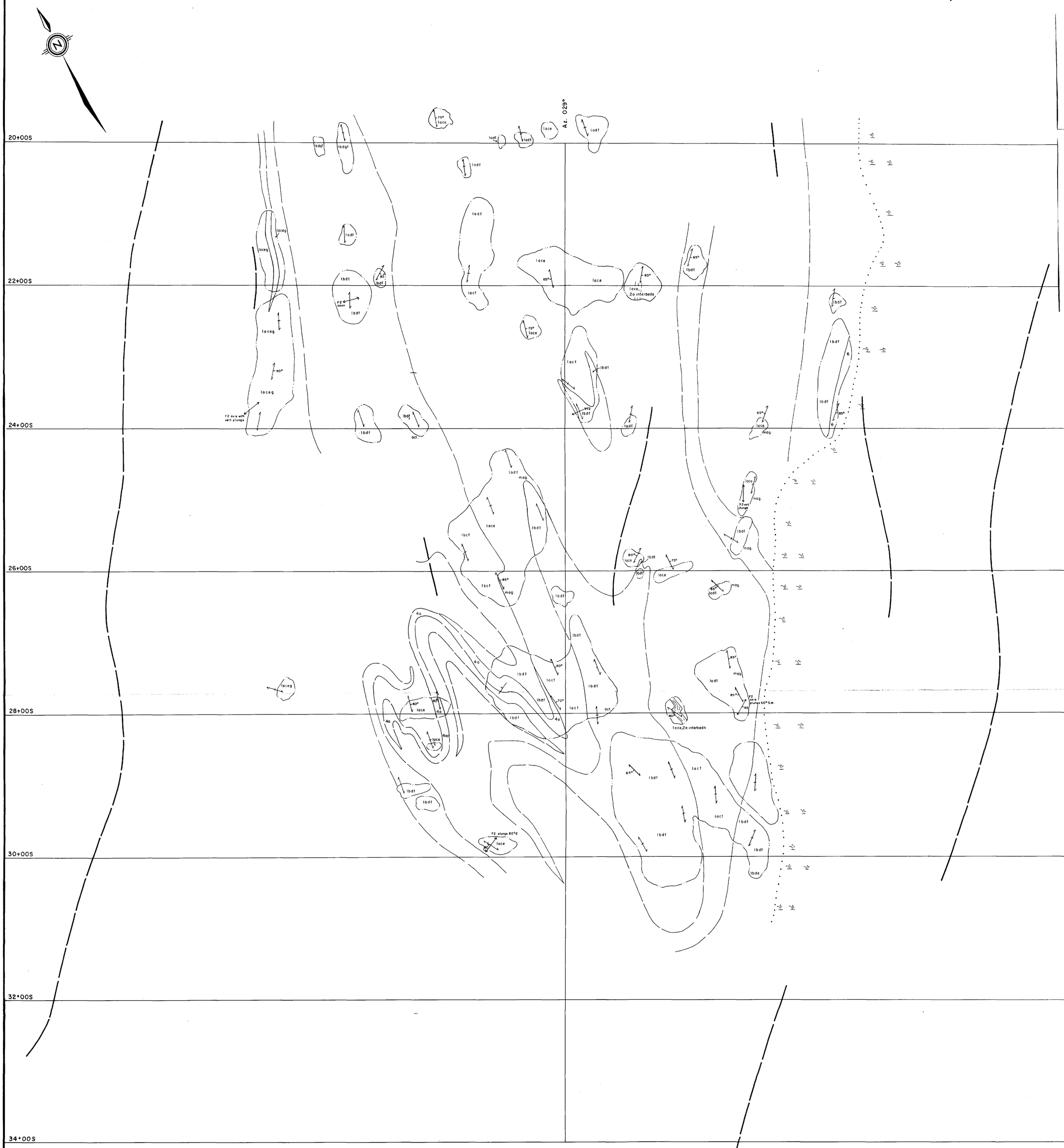
2

TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

SURVEY : DETAILED GEOLOGY	DWG. BY : G.S.K.
	CHK. BY : T.N.J.H.
PROPERTY / AREA : GROUP U-16, CENTRAL GRID SAVANT LAKE, ONTARIO	DATE : Oct. 1984
CLIENT : SAVANT LAKE GOLD PROJECT	JOB : 98470
	N.T.S. : 52J/7
SCALE : 20 0 20 40 — 1 inch = 20 feet	DWG. NO. : 5513-2a-1a

5

52J/07SE-0079, #6



LEGEND

6 RHYOLITE

4 CLASTIC SEDIMENTS
a siltstone
b cherty
y massive

2 INTERMEDIATE VOLCANICS
a amphibole (35%

1 AMPHIBOLITE
a mafic volcanics (35% - 65% amphibole)
b mafic - ultramafic volcanics ( ) 65% amphibole)
c fine - medium grained
d medium - coarse grained
e banded or crudely foliated
f massive or recrystallized
g foliated

FOLIATION - a inclined
b vertical
c dip varies

SCHISTOSITY - vertical

CONDUCTOR AXIS (SHOOTBACK)

MAJOR FOLD AXIS

OUTCROP

GEOLOGICAL CONTACT - a defined
b assumed

SWAMP

mag. magnetite

LEGEND

6 RHYOLITE

4 CLASTIC SEDIMENTS
a siltstone
b cherty
y massive

2 INTERMEDIATE VOLCANICS
a amphibole (35%

1 AMPHIBOLITE
a mafic volcanics (35% - 65% amphibole)
b mafic - ultramafic volcanics ( ) 65% amphibole)
c fine - medium grained
d medium - coarse grained
e banded or crudely foliated
f massive or recrystallized
g foliated

FOLIATION - a inclined
b vertical
c dip varies

SCHISTOSITY - vertical

CONDUCTOR AXIS (SHOOTBACK)

MAJOR FOLD AXIS

OUTCROP

GEOLOGICAL CONTACT - a defined
b assumed

SWAMP

mag. magnetite

GEOLOGY BY : T.N.J. HUGHES

REFERENCE :

52J/07SE-0079, #6

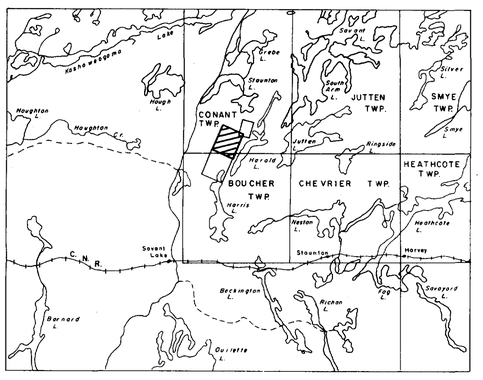
To Accompany Report No. 1014NB

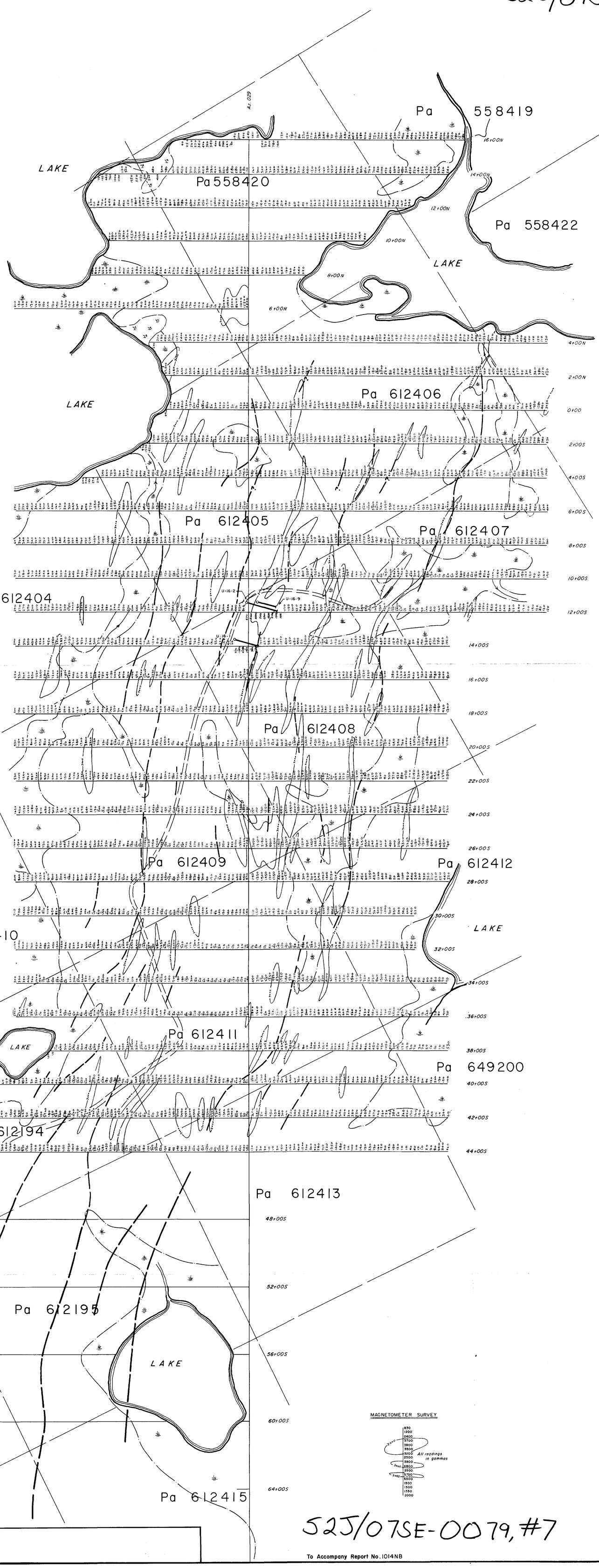
TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

SURVEY : COMPILATION	DWG. BY : G.S.K.
	CHK. BY : T.N.J.H.
PROPERTY/AREA : GROUP U-16, CENTRAL GRID SAVANT LAKE, ONTARIO	DATE : 1984-09-28
	JOB : 98470
CLIENT : SAVANT LAKE GOLD PROJECT	N.T.S. : 52J/7
SCALE : 50 0 50 100 1 inch = 50 feet	DWG. NO. : 5513-2a-2

6

52J/07SE-0079,#7





MAGNETOMETER SURVEY

INTRUMENT :	SCINTREX MF-2 MAGNETOMETER
OPERATOR :	J. LAITIN
Tx. STATION :	
COIL SEPARATION :	
FREQUENCY :	

REVISED	DATE	CHK.

REFERENCE :

52J07SE0082S 63.4585 BOUCHER

260

52J/07SE-0079,#7

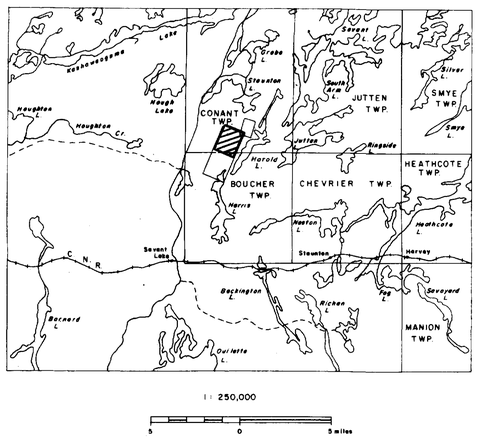
To Accompany Report No. 1014NB

TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

SURVEY : MAGNETOMETER SURVEY	DWG. BY : G.S.K.
PROPERTY / AREA : GROUP U-16, CENTRAL GRID SAVANT LAKE, ONTARIO	CHK. BY : K.R.T.
CLIENT : SAVANT LAKE GOLD PROJECT	DATE : 1983-06-25
SCALE : 200 0 200 400 feet, 1 inch = 200 feet	JOB : 98470
	N.T.S. : 52J/7
	DWG. NO. : 5513-2c

7

52J/07SE-0079, #8



LEGEND

8 DIORITE

7 FELSIC HYPABYSSAL
- (y) quartz-feldspar porphyritic
- (z) feldspar porphyritic

6 FELSIC VOLCANICS
- (a) dacite
- (b) rhyodacite
- (u) feldspar-porphyritic
- (v) massive (flow?)
- (w) laminated, bedded (tuff)
- (x) lapilli tuff
- (y) tuff breccia
- (z) sericitized

5 INTERMEDIATE-FELSIC VOLCANICS
- (v) fine bedded tuff, minor siltstone
- (w) lapilli tuff

4 CLASTIC SEDIMENTS
- (a) siltstone
- (b) graphitic argillite
- (c) sulphide-rich
- (d) cherty
- (y) massive
- (z) laminated, bedded

3 ACTINOLITE-TALC ROCK

2 BASALT
- (a) tuff
- (b) pillowed

1 AMPHIBOLITE
- (a) amphibole content 10-35%
- (b) amphibole content 35-75%
- (c) amphibole content >75%
- (u) garnetiferous
- (v) variegated
- (w) massive
- (x) coarse-grained
- (y) fine-grained
- (z) laminated, bedded

Outcrop
Bedding
Schistosity (1st, 2nd)
Contact
Fault
●51(3) Grab sample (rock) - No & Assay (ppb) Au
42 + 32 B-horizon soil sample - No. & Assay (ppb) Au
Quartz vein
Swamp or marsh

E.M. conductor axis (1983-84)
Magnetic contour (3000 gamma high)
Geochemical anomaly (1976 Survey)

Az. 029°

Pa 558419
Pa 558420
Pa 558422
Pa 558421
Pa 612406
Pa 612405
Pa 612407
Pa 612404
Pa 612408
Pa 612409
Pa 612412
Pa 612410
Pa 612411
Pa 649200
Pa 612194
Pa 612413
Pa 612193
Pa 612195
Pa 612196
Pa 612414
Pa 612415

LAKE

16+00N
14+00N
12+00N
10+00N
8+00N
6+00N
4+00N
2+00N
0+00
2+00S
4+00S
6+00S
8+00S
10+00S
12+00S
14+00S
16+00S
18+00S
20+00S
22+00S
24+00S
26+00S
28+00S
30+00S
32+00S
34+00S
36+00S
38+00S
40+00S
42+00S
44+00S
48+00S
52+00S
56+00S
60+00S
64+00S

Trench #1
Trench #2
Trench #3
Trench #4
Trench #5
Drill Site

1+25 W | BL | 2+00E | 3+00E
13+00 S
14+00 S
15+00 S
16+00 S

6+00E | 9+00E

1+00E | 4+00E

Sample Numbers
330 ┐ 2 ppb Au
331 ┘ 3(A)
619 MISS missing sample

(A) Sample taken from "A" horizon (humus)
< Less than
All samples taken from "B" horizon (soils) except where indicated.

Analysis Done By: X-Ray Assay Laboratories
Method: FADCP (B Horizon), NA (A Horizon)
Detection Limit: 2 ppb - B horizon
1 ppb - A horizon

LEGEND

8 DIORITE

7 FELSIC HYPABYSSAL
- (y) quartz-feldspar porphyritic
- (z) feldspar porphyritic

6 FELSIC VOLCANICS
- (a) dacite
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- (u) feldspar-porphyritic
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- (z) sericitized

5 INTERMEDIATE-FELSIC VOLCANICS
- (v) fine bedded tuff, minor siltstone
- (w) lapilli tuff

4 CLASTIC SEDIMENTS
- (a) siltstone
- (b) graphitic argillite
- (c) sulphide-rich
- (d) cherty
- (y) massive
- (z) laminated, bedded

3 ACTINOLITE-TALC ROCK

2 BASALT
- (a) tuff
- (b) pillowed

1 AMPHIBOLITE
- (a) amphibole content 10-35%
- (b) amphibole content 35-75%
- (c) amphibole content >75%
- (u) garnetiferous
- (v) variegated
- (w) massive
- (x) coarse-grained
- (y) fine-grained
- (z) laminated, bedded

Outcrop
Bedding
Schistosity (1st, 2nd)
Contact
Fault
●51(3) Grab sample (rock) - No & Assay (ppb) Au
42 + 32 B-horizon soil sample - No. & Assay (ppb) Au
Quartz vein
Swamp or marsh

TECK EXPLORATIONS LIMITED

COMPILATION
GROUP U-16, CENTRAL GRID
SAVANT LAKE, ONTARIO
SAVANT LAKE GOLD PROJECT

DWG. D.A.G.
DES. BY J.S.F.
DATE 1983-09-07
JOB 98470
TP 52J/7
SCALE 1 inch = 200 feet
5513-2d

1014NB

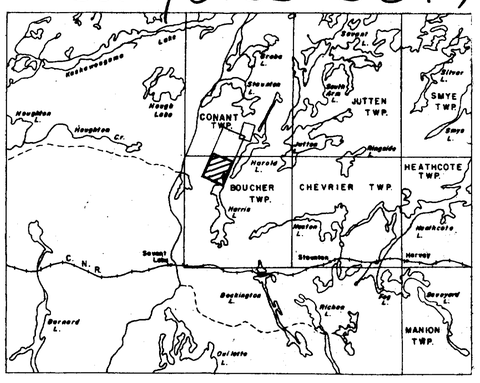
52J/07SE-0079, #8

REFERENCE:

52J07SE0025 63.4585 BOUCHER

270

52J/07SE-0079, #9



Pa 612196
Pa 612415
Pa 612414
Pa 612198
Pa 612417
Pa 612418
Pa 612419
Pa 649293
Pa 649286
Pa 649285
Pa 649292
Pa 649287
Pa 649278
Pa 649284
Pa 649291
Pa 649279
Pa 649288
Pa 649283
Pa 649289
Pa 649280
Pa 649282
Pa 649281
LAKE
LUMBER TRAIL
MAIN ROAD
70+50S
sulphide float
Pond
100+00S
104+00S
108+00S
112+00S
116+00S
120+00S
124+00S
128+00S
132+00S
136+00S
140+00S
144+00S

LEGEND

8 DIORITE

7 FELSIC HYPABYSSAL
(y) quartz-feldspar porphyritic
(z) feldspar porphyritic

6 FELSIC VOLCANICS
(a) dacite
(b) rhyodacite
(u) feldspar-porphyritic
(v) massive (flow?)
(w) laminated, bedded (tuff)
(x) lapilli tuff
(y) tuff breccia
(z) sericitized

5 INTERMEDIATE-FELSIC VOLCANICS
(v) fine bedded tuff, minor siltstone
(w) lapilli tuff

4 CLASTIC SEDIMENTS
(a) siltstone
(b) graphitic argillite
(c) sulphide-rich
(d) cherty
(y) massive
(z) laminated, bedded

3 ACTINOLITE-TALC ROCK

2 BASALT
(a) tuff
(b) pillowed

1 AMPHIBOLITE
(a) amphibole content 10-35%
(b) amphibole content 35-75%
(c) amphibole content >75%
(u) garnetiferous
(v) variegated
(w) massive
(x) coarse-grained
(y) fine-grained
(z) laminated, bedded

Outcrop
Bedding
Schistosity (1st, 2nd)
Contact
Fault
● 51(3) Grab sample (rock) - No & Assay (ppb) Au
42 + 32 B-horizon soil sample - No. & Assay (ppb) Au
Quartz vein
Swamp or marsh

Sample Numbers 330 | 2 / 331 | 3(A) ppb Au / 619 MISS missing sample

(A) Sample taken from "A" horizon (humus)
< Less than
All samples taken from "B" horizon (soils) except where indicated.

Analysis Done By: X-Ray Assay Laboratories
Method: FADCP (B Horizon), NA (A Horizon)
Detection Limit: 2 ppb - B horizon
1 ppb - A horizon

Au Geochemical Contour Interval
high background (67th-92nd percentile)=37-70ppb
second order anomalous(92nd-97.5th percentile)=71-190 ppb
first order anomalous (>97.5th percentile) = 190ppb
P. 50 (background) = 28 ppb

LEGEND

8 DIORITE

7 FELSIC HYPABYSSAL
(y) quartz-feldspar porphyritic
(z) feldspar porphyritic

6 FELSIC VOLCANICS
(a) dacite
(b) rhyodacite
(u) feldspar-porphyritic
(v) massive (flow?)
(w) laminated, bedded (tuff)
(x) lapilli tuff
(y) tuff breccia
(z) sericitized

5 INTERMEDIATE-FELSIC VOLCANICS
(v) fine bedded tuff, minor siltstone
(w) lapilli tuff

4 CLASTIC SEDIMENTS
(a) siltstone
(b) graphitic argillite
(c) sulphide-rich
(d) cherty
(y) massive
(z) laminated, bedded

3 ACTINOLITE-TALC ROCK

2 BASALT
(a) tuff
(b) pillowed

1 AMPHIBOLITE
(a) amphibole content 10-35%
(b) amphibole content 35-75%
(c) amphibole content >75%
(u) garnetiferous
(v) variegated
(w) massive
(x) coarse-grained
(y) fine-grained
(z) laminated, bedded

Outcrop
Bedding
Schistosity (1st, 2nd)
Contact
Fault
● 51(3) Grab sample (rock) - No & Assay (ppb) Au
42 + bz B-horizon soil sample - No. & Assay (ppb) Au
Quartz vein
Swamp or marsh

TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

SURVEY: GEOLOGICAL SURVEY	DWG BY: D.A.G.
	CHK BY: J.S.F.
PROPERTY / AREA: GROUP U-16, SOUTHERN GRID SAVANT LAKE, ONTARIO	DATE: 1983-09-08
	JOB: 98470
CLIENT: SAVANT LAKE GOLD PROJECT	N.T.S. 52J/7
SCALE: 200 0 200 400 feet, 1 inch = 200 feet	DWG NO: 5513-3a

REFERENCE:

52J07SE0025 63.4585 BOUCHER

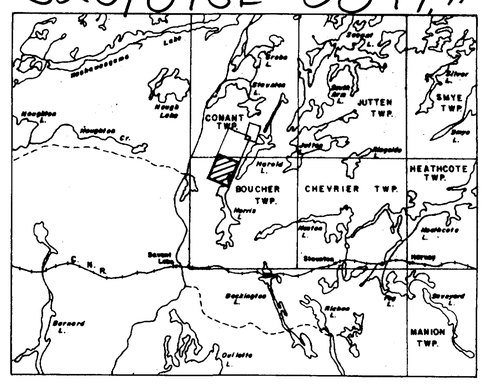
280

52J/07SE-0079, #9

To Accompany Report No 1014 NB

9

52J/07SE-0079,#10



1 : 250,000

0 0 5 mi Max

N

Pa 612196
Pa 612415
Pa 612414
Pa 612198
Pa 612417
Pa 612418
Pa 612419
Pa 649293
Pa 649286
Pa 649285
Pa 649287
Pa 649278
Pa 649292
Pa 649284
Pa 649291
Pa 649279
Pa 649288
Pa 649283
Pa 649289
Pa 649280
Pa 649282
Pa 649281

LAKE
LUMBER TRAIL
MAIN ROAD
Pond
sulphide float
70+50 S
60+00S
64+00S
68+00S
72+00S
76+00S
80+00S
84+00S
88+00S
92+00S
96+00S
100+00S
104+00S
108+00S
112+00S
116+00S
120+00S
124+00S
128+00S
132+00S
136+00S
140+00S
144+00S

LEGEND

- 8 DIORITE
- 7 FELSIC HYPABYSSAL
  - (y) quartz-feldspar porphyritic
  - (z) feldspar porphyritic
- 6 FELSIC VOLCANICS
  - (a) dacite
  - (b) rhyodacite
  - (u) feldspar-porphyritic
  - (v) massive (flow?)
  - (w) laminated, bedded (tuff)
  - (x) lapilli tuff
  - (y) tuff breccia
  - (z) sericitized
- 5 INTERMEDIATE-FELSIC VOLCANICS
  - (v) fine bedded tuff, minor siltstone
  - (w) lapilli tuff
- 4 CLASTIC SEDIMENTS
  - (a) siltstone
  - (b) graphitic argillite
  - (c) sulphide-rich
  - (d) cherty
  - (y) massive
  - (z) laminated, bedded
- 3 ACTINOLITE-TALC ROCK
- 2 BASALT
  - (a) tuff
  - (b) pillowed
- 1 AMPHIBOLITE
  - (a) amphibole content 10-35%
  - (b) amphibole content 35-75%
  - (c) amphibole content >75%
  - (u) garnetiferous
  - (v) variegated
  - (w) massive
  - (x) coarse-grained
  - (y) fine-grained
  - (z) laminated, bedded

- Outcrop
- Bedding
- Schistosity (1st, 2nd)
- Contact
- Fault
- ●51(3) Grab sample (rock) - No & Assay (ppb) Au
- 42 ± 32 B-horizon soil sample - No. & Assay (ppb) Au
- Quartz vein
- Swamp or marsh
- EM conductor axis

Sample Numbers 330 ┬ 2 / 331 ┴ 3(A) ppb Au; 619 MISS missing sample

(A) Sample taken from "A" horizon (humus)
< Less than
All samples taken from "B" horizon (soils) except where indicated.

Analysis Done By: X-Ray Assay Laboratories
Method: FADCP (B Horizon), NA (A Horizon)
Detection Limit: 2 ppb - B horizon
1 ppb - A horizon

LEGEND

- 8 DIORITE
- 7 FELSIC HYPABYSSAL
  - (y) quartz-feldspar porphyritic
  - (z) feldspar porphyritic
- 6 FELSIC VOLCANICS
  - (a) dacite
  - (b) rhyodacite
  - (u) feldspar-porphyritic
  - (v) massive (flow?)
  - (w) laminated, bedded (tuff)
  - (x) lapilli tuff
  - (y) tuff breccia
  - (z) sericitized
- 5 INTERMEDIATE-FELSIC VOLCANICS
  - (v) fine bedded tuff, minor siltstone
  - (w) lapilli tuff
- 4 CLASTIC SEDIMENTS
  - (a) siltstone
  - (b) graphitic argillite
  - (c) sulphide-rich
  - (d) cherty
  - (y) massive
  - (z) laminated, bedded
- 3 ACTINOLITE-TALC ROCK
- 2 BASALT
  - (a) tuff
  - (b) pillowed
- 1 AMPHIBOLITE
  - (a) amphibole content 10-35%
  - (b) amphibole content 35-75%
  - (c) amphibole content >75%
  - (u) garnetiferous
  - (v) variegated
  - (w) massive
  - (x) coarse-grained
  - (y) fine-grained
  - (z) laminated, bedded

- Outcrop
- Bedding
- Schistosity (1st, 2nd)
- Contact
- Fault
- ●51(3) Grab sample (rock) - No & Assay (ppb) Au
- 42 ± 32 B-horizon soil sample - No. & Assay (ppb) Au
- Quartz vein
- Swamp or marsh
- EM conductor axis

REFERENCE:

TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

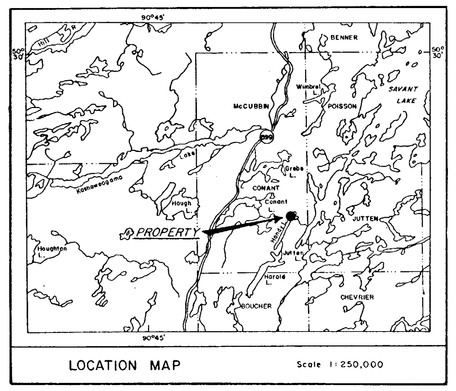
SURVEY: COMPILATION	DWG BY: D.A.G.
PROPERTY / AREA: GROUP U-16, SOUTHERN GRID SAVANT LAKE, ONTARIO	CHK BY: J.S.F.
CLIENT: SAVANT LAKE GOLD PROJECT	DATE: 1983-09-08
SCALE: 200 0 200 400 feet, 1 inch = 200 feet	JOB: 98470
	NTS: 52J/7
	DWG NO: 5513-3d

52J/07SE-0079,#10

To Accompany Report No 1014NB

DWG. NO.: 5668D

C O N A N T T W P .



LOCATION MAP Scale 1:250,000

40+00W 36+00W 32+00W 28+00W 24+00W 20+00W 16+00W 12+00W 8+00W 4+00W 0+00 4+00E

Pa558452 Pa558445 Pa403363 Pa403364 Pa649303

U-13 U-8 U-12 U-7 U-4 U-10 U-9 U-11

Az.090°

HANDY LAKE

Pa558451 Pa558446 Pa403365 Pa649304

CONANT LAKE

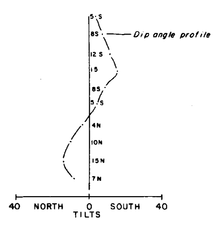
Pa558453 Pa558450 Pa558447 Pa403366

Pa705589 Pa705591 Pa705593

Pa705594

Pa558454 Pa558449 Pa558448 Pa705590 Pa705592

VERY LOW FREQUENCY



INSTRUMENT:	CRONE RADEM V.L.F. UNIT
OPERATOR:	B. BARNES
Tx. STATION:	ANNAPOLIS, MARYLAND
COIL SEPARATION:	

REFERENCE:

52J/07SE-0079, #11

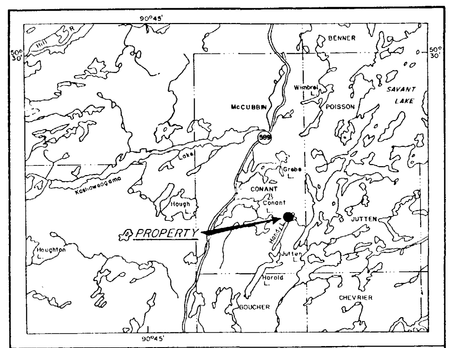
To Accompany Report No. 1014NB

TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

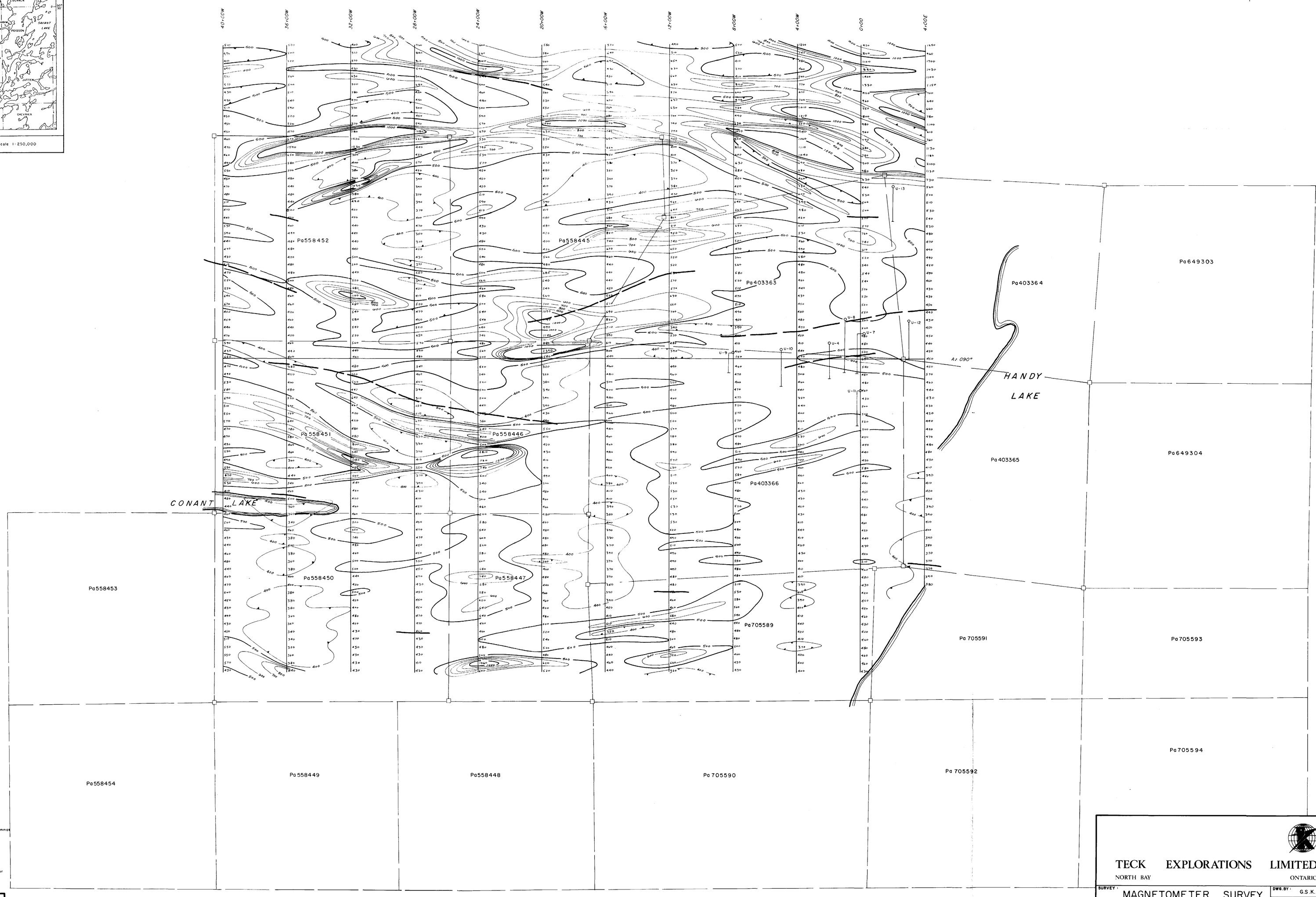
SURVEY: ELECTROMAGNETIC SURVEY	DWG. BY: G.S.K.
PROPERTY / AREA: CLAIM GROUP U-6 SAVANT LAKE AREA	CHK. BY: K.R.T.
CLIENT: SAVANT LAKE GOLD PROJECT	DATE: FEB. 1984
SCALE: 200 0 200 400 feet, 1 inch = 200 feet	JOB: 98470
	N.T.S.: 52J/7
	DWG. NO.: 5668a

DWG. NO. 5668b

C O N A N T T W P .



LOCATION MAP Scale 1:250,000



MAGNETOMETER SURVEY

267 300
357 400
453 500
564 600
764 700
1034 800
939 900
724 1000
605 1100
457 1200

All readings in gammas

Depressed Contour

INSTRUMENT :	SCINTREX MF-2 MAGNETOMETER
OPERATOR :	D. OWENS
Tx. STATION :	
COIL SEPARATION :	
REFERENCE :	

52J/07SE-0079, #12

To Accompany Report No. 1014NB

TECK EXPLORATIONS LIMITED
NORTH BAY ONTARIO

SURVEY : MAGNETOMETER SURVEY	DWG. BY : G.S.K.
PROPERTY/AREA : CLAIM GROUP U-6 SAVANT LAKE AREA	CHK. BY : K.R.T.
	DATE : FEB. 1984
CLIENT : SAVANT LAKE GOLD PROJECT	JOB : 98470
	N.T.S. : 52J/7
SCALE : 200 0 200 400 feet, 1 inch = 200 feet	DWG. NO. : 5668b