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GEOPHOTO MINERALS REPORT 1974/8

FINAL REPORT
KOSMINSKY-SOUTH COMET ZONE OF MINERALISATION - E.L.7/68, WEST TASMANIA.

Prepared by

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for

TEXINS DEVELOPMENT PTY. LIMITED

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INTRODUCTION

The purpose of this report is to present a final appraisal of the results obtained from the drilling and underground sampling programs undertaken by Geophoto Resources Consultants on behalf of Texins Development Pty. Ltd. in the Kosminsky-South Comet prospect.

Conclusions are also offered on the economic value of the mineralisation, as exposed in the Great South Comet mine, and as defined by the borehole intersections obtained in the area.

It must be noted here that by "Kosminsky-South Comet zone of mineralisation" we mean a section of a major northwest trending fracture zone comprised between two subparallel lines of gossanous outcrops (as outlined on Drg. B160) and within which several mineralised trends have been recognised.

Other mineralised trends, the surface expression of which lies east of line of gossans "A" (refer to Drg. B160), are dealt with for convenience in this report but do not, strictly speaking, belong to the "Kosminsky-South Comet zone".

In Geophoto Minerals Report 1974/4, the "zone" has been subdivided into four sections (refer to Drg. 1.359 : Kosminsky, South Comet, Climie, Mariposa. The latter two, which have not been tested by diamond drilling nor have undergone any mining development during the early times of the Dundas field, will not be considered in this report.

For more information regarding the historical background of the exploration of the area and the rationale for the drilling activity from 1968 to 1973, the reader is referred to Geophoto Minerals Reports 1969/10, 1970/38a and 38b, 1971/49, 1972/9, 1972/10, 1972/11 and the latest Minerals Report, 1974/4 which complements this report.

TITLE

Throughout most of the time the exploration activity was carried out, the prospect area was held by Texins Development Pty. Ltd. under E.L.7/68 (refer to Geophoto Minerals Report 1974/4), with the exception of two Mineral Leases: 1M/69 and 2M/69 totalling 68 acres, held by a local prospector, J.A. Smyth.

After arranging an option agreement in 1969, Texins Development Pty. Ltd. decided in December, 1972 to purchase the two mineral leases.

On 20th February, 1974, three days before the date of expiry of E.L.7/68, Texins Development Pty. Ltd. lodged applications with the Department of Mines for two mineral leases, of 80 ha and 61 ha respectively, contiguous to the two already held in the prospect area. (refer to

At the date of this report, the endorsement of the Department of Mines is still pending.

LOCATION AND ACCESS

The prospect area is located on the West Coast of Tasmania, about seven miles east of Zeehan.

Access is provided by the Queenstown-Burnie sealed road and by a track (refer to Geophoto Minerals Report 1974/4, Drg. B.374) which departs the main road at about 3,000 feet northeast of the Zeehan junction, and is negotiable by two wheel drive vehicle only as far as the old Maestri Mill site. Beyond this point the track is negotiable all year only by 4-wheel-drive vehicles as far as the Great South Comet mine Adit No. 1. It becomes winding, steeply graded and easily washed out from the lower slopes of the South Comet hill to the end, about 200 feet south of Adelaide Mine Creek.

MINING HISTORY AND PRODUCTION RECORDS

Very little is known about the early history of mining in the prospect area, and only a few old production records and assay returns are still available.

Prospecting had started by 1890 in the Kosminsky Hill and some mining development started in 1891 in what was to be called the "Kosminsky mine" at about 1,000 feet downstream from the location of the later Adit No. 1 of the Great South Comet mine.

Two more adits were driven in the following years but production was apparently very limited, and only small, high grade pods were worked, as shown by the following assay return for an unknown amount of ore material extracted from Adit No. 1 of the mine (refer to Reid, 1925).

Pb = 52.2%
Zn = 13.18%
Ag = 24 oz

According to Blisset (1960), the 1901 figure of 20 tons of ore from which 10 tons of Pb and 480 oz of Ag were recovered, should represent the bulk of the production of this mine.

The area of the Great South Comet mine was first leased in 1911 by the Comet Tribute Prospecting Syndicate N.L. and was held until 1950 by various syndicates and small mining companies. However, most of the development (Adit 1, Adit 3 and Adit 4) was undertaken prior to 1925. After 1950 only minor stoping was carried out in Adit No. 1.

Production records are rather incomplete:

1911?-1925: 1,000 tons of "ore" of unknown grade were extracted (Reid, 1926).

1925-1935: In 1927 a flotation plant was constructed by Comet Tribute Prospecting Syndicate. A record shows that in that year, the "ore" material extracted from Adit No. 3 yielded

Pb	121 tons
Zn	378 tons
Ag	10,806 oz

1935-1937: The Griffith Tribute party produced in two years about 19 tons of ore which yielded

Pb	11 tons
Ag	868 oz

1937-1948?: Texco Montana Silver-lead Dev. Co. produced 350 tons of unknown grade.

1948-1950: Lead and Nickel Mining Co. produced from about 27 tons of concentrate

Pb	22 tons
Ag	1664 oz

I Gregory (1959) estimates that the maximum production of the mine to date should be about 3,400 tons of material of unknown grade.

DEVELOPMENT

The Kosminsky-South Comet mineralisation has been worked in both sections of the fracture zone although the bulk of the production comes from the South Comet section.

1. Kosminsky Hill Workings

At least four short adits, one shaft and several trenches, now mostly overgrown by the vegetation, were put into the Kosminsky hill in the early times of the field.

A short adit is located at 16S + 15.5W of the Comet-Kosminsky grid. The dump material shows abundant siderite with stringlets of galena and sphalerite.

The Kosminsky shaft, located at 20S + 14W + 80ft north of the Comet-Kosminsky grid is collapsed, but is thought to have been 50 feet deep. Dump material shows galena and sphalerite with minor chalcopyrite in a siderite-pyrite gangue.

Minor economic sulphides mineralisation is also observable in the dump material of three short adits located between lines 22S and 24S of the same grid.

2. "Kosminsky Mine" Workings

These workings are between 800 and 1,050 feet west of Adit No. 1 of the Great South Comet Mine, and consist of a shaft and three adits shorter than 300 feet. The dump material shows coarse sphalerite and galena in a siderite gangue.

The erratic pods known to have been worked in the mine should probably be correlated with Geophoto's trend W.

3. Great South Comet Mine

Three lodes (refer to Drg. B162 - Trend A) were worked in the South Comet section by means of four adits driven from the northern slopes of the South Comet hill, and by three more adits driven from the Adelaide mine creek in a northerly direction. However, Adit No. 1 and Adit No. 3 represent 85% of the development of the mine, and the bulk of the production came from Stope No. 7 and No. 8 of Adit No. 3.

It is to be noted that the mining method followed in the early days of the field was that of only stoping galena-rich pods, ceasing operations whenever sphalerite-rich pods were found, either, as Taylor (1950) advises, because there was no market for zinc ore or, as McKenna (1958) suggests, because the old treatment plant at the mine was never satisfactorily equipped to separate galena from sphalerite in the concentrate.

Adit No. 1 (1,124' A.S.L.)

Adit No. 1 was driven on to Lode A3. At 850 feet from the portal a rise, now inaccessible, connected with a winze sunk from Adit No. 3 (1,337' A.S.L.).

Ten feet past the foot of the rise the roof has fallen and it is not known how far the drive extends past this point.

Three crosscuts were driven from the main drive. No. 1 West Crosscut starts at 520 feet from the portal and penetrates the country rock for 172 feet. No. 2 West Crosscut and No. 1 East Crosscut were driven at 805 feet from the portal. At 12 feet from the entrance of No. 1 West Crosscut a drive was put in a southerly direction for 30 feet, with the purpose, apparently, of bypassing the obstruction in the main adit (Taylor, 1950). Some minor underhand stoping was, however, carried out on Split 'Beta' (McKenna, 1959). No.1 East Crosscut was driven for 44 feet and exposes Lode A2 and Lode A1.

Minor stoping operations were carried out above the level of the adit over a maximum vertical distance of 40 feet (refer Drg.

Adit No. 2 (1,246' A.S.L.)

Adit No. 2 is 40 feet long and exposes very minor mineralisation. No stoping was carried out.

Adit No. 3 (1,337' A.S.L.)

Lode A1 was intersected at 110 feet from the portal and followed for 240 feet. A section of the lode, 220 feet long, was stoped over a maximum vertical distance of 50 feet above the level of the adit (Stope No. 7). At 320 feet from the portal a crosscut in a south-westerly direction exposed Lode A2 and Lode A3. Lode A3 was followed, and probably stoped, over a length of 280 feet and a vertical distance of less than 40 feet (Stope No. 8). Lodes A2 and A3 were intersected also in No. 3 and No. 4 West Crosscuts but minor drifting along the strike of the lodes was undertaken. (Refer to Drg. No. B.162).

Adit No. 4 (1,474' A.S.L.)

Adit No. 4 was driven for 140 feet on to Lode A3 but no stoping was carried out.

Adits No. 5, No. 6 and No. 7

These adits are short and partly inaccessible at the present time. They were driven from the Adelaide mine creek in a northerly direction. No stoping was carried out.

EXAMINATION OF THE PROSPECT AREA BY GOVERNMENT AGEACIES AND COMPANIES OTHER THAN TEXINS DEVELOPMENT PTY. LTD.

1950 - Department of Mines, Tasmania

B.L. Taylor undertook the evaluation of the Great South Comet mine operated at that time by Lead and Nickel Co. N.L. All the adits were surveyed by theodolite and mapped.

26 samples were collected and assayed for Pb, Zn, Sb and Ag.

Taylor estimated "proved reserves" of 60,000 tons of ore averaging 8% Pb, 7.4% Zn, 8 oz/ton Ag, and about 300,000 tons of "probable and possible ore".

1958-1959 - Rio Tinto Australian Exploration Pty. Ltd.

D. McKenna and I. Gregory carried out a surface and underground investigation in the area of the Comet and South Comet Mines. I. Gregory collected 22 samples from Adit No. 1 and Adit No. 3 of the South Comet mine and had them analysed for Pb, Zn, Cu, Ag, Au and Fe. His conclusions differed from Taylor's and he pointed out that the only lens of the South Comet mine with economic sulphides mineralisation of "ore grade" was Lens L13N (Geophoto's Lens No. 5) for which he estimated a maximum tonnage of 7,000 tons averaging 8.6% Pb, 19.1% Zn, 0.09% Cu and 5.7 oz/ton Ag.

TEXINS DEVELOPMENT PTY. LTD. ACTIVITY IN THE PROSPECT AREA: EXPLORATION TARGET AND METHODS OF EXPLORATION

1. Exploration Target

In January, 1973 Texins Development Pty. Ltd. defined its exploration target in the E.L.7/68 area as a lead-zinc deposit with a minimum tonnage of 2,000,000 tons of ore material at minimum average grade of 10% Zn or 13% of combined zinc and lead.

2. Methods of Exploration (Summary)

The prospect area was gridded and mapped in detail at scale of 1 inch = 100 feet (Geophoto Minerals Report 1969/30, Drg. 1-203). V.L.F.-E.M., Self Potential and Magnetic surveys were carried out over the grid lines. Only limited rock and soil sampling surveys were undertaken owing to the lack of outcrops and to contamination from old workings (refer to Geophoto Minerals Report 1974/4).

Adit No. 1 of the South Comet mine was sampled in detail through close spaced channels cut, wherever possible every five feet, across the back of the drive. Altogether 342 samples were collected and assayed for Pb and Zn as a routine, and for Ag and Cd where the Pb and Zn contents were above 1%.

Combined drift assays defining five major lenses along Lode No. 3 are plotted on Drawing No. B.162.

47 boreholes, for a cumulative footage of 29,918 feet, were drilled in the prospect area. The results are discussed in detail in Geophoto Minerals Reports 1972/9 and 1974/7.

GEOLOGY (SUMMARY)

1. Stratigraphy (refer to Drg. 1.359, 1974/4)

The oldest rocks in the prospect area are the graphitic black slate and the micaceous grey quartzite of the Oonah formation (Upper Proterozoic). They are exposed along the South Comet track, 400 feet northeast of Kosminsky Hill 10 and K.H. 11 diamond drill sites, and near South Comet and S.C. 15 sites. In the first case they are at fault contact with the pink and mauve argillites of the Crimson Creek formation (Lower Cambrian) which are next in the stratigraphic sequence.

In the second case the contact is conformable. South of the South Comet fault, the greywacke-shale-conglomerate sequence of the Dundas Group (Cambrian) has been folded into a broad synclinorium, the axis of which strikes northeast. The basal member of the formation, the Red Lead conglomerate, is exposed along the road at about 100 feet west of the Adit No. 1 portal. The following members are exposed along the road which climbs up the South Comet hill.

On the 1 inch = 100 feet geologic maps of the South Comet and East South Comet grids, the stratigraphic boundaries of each member of the succession have been tentatively outlined. However, owing to the lithologic similarity of different stratigraphic units and to the lack of easily recognisable key beds above the Razorback formation, any subdivision which is not supported by palaentological evidence is open to question.

2. Structure

The Kosminsky-South Comet fracture zone is the most important structural feature of the area and can be described as a system of closely spaced tensional faults and joints with a general north-west trend and south-west dip ranging from 50° to 80°. It originated in the late stages of the Tabberabberan orogenesis and provided the channelways along which the mineralising solutions were emplaced.

At its northernmost extremity the fracture zone ends against a major west - north-north-east trending fault which marks the contact between the Oonah and Crimson Creek formations. (Refer Drg. No. B.160).

To the south it extends past the Adelaide mine creek and probably ends against the Montezuma fault (refer to Geophoto Minerals Report 1974/4).

The South Comet fault is a left wrench which has also been recognised and described by earlier authors (Taylor (1950) and McKenna (1958)). It offsets the fracture zone into the Kosminsky and South Comet sections, and this indicates that although the fault could have originated during the Tabberabberan orogenesis, minor horizontal movements took place also in post mineralisation time.

MINERALISATION

Fissure veins formed by stringlets, blebs and occasionally pods of galena and sphalerite in a gangue of siderite with minor other carbonates and little pyrite, are located within the fracture zone.

The distribution of the pods of economic sulphides is very erratic. They are lenslike, narrow, generally lowgrade and alternating with long, almost barren sections, as shown by the underground sampling of Adit No. 1 (refer to Drg. B.162 and B.163).

Galena and sphalerite never occur finely intermixed, and are always megascopically distinguishable. Often, along the same vein, pods of galena with very minor sphalerite, alternate with pods of sphalerite with very minor galena.

The iron-rich variety of sphalerite (marmatite) is very common, in particular in the South Comet section.

Chalcopyrite and jamesonite have been very seldom recognised.

In Adit No. 1, footwall and hanging wall of Lode No. 3 (A3) are usually well defined, although minor blebs and stringlets of economic sulphides can be often observed on the wall rocks.

No evidence of significant country rock replacement has been recognised.

Drawing B160 shows the main mineralised trends as defined from the borehole intersections and the underground reconnaissance of Adit No. 1 and No. 3 of the Great South Comet mine. In sequence from west to east they are:

1. Trend W

Trend W was intersected by boreholes both in the Kosminsky and in the South Comet section of the fracture zone where it exhibits better continuity and better grade. The section, between S.C.1 and S.C.17, yielded a well defined, although weak, E.M. anomalous indication recorded in the V.L.F. reconnaissance survey carried out over the South Comet grid.

The trend has not been tested by diamond drilling south of borehole S.C.19. (Refer to Drg. No. B.160).

2. Trend A (Refer to Drg. Nos. B.160, B.162, B.163).

This trend can be correlated on the surface with a discontinuous line of major gossan outcrops recognised both in the Kosminsky and in the South Comet sections. In the South Comet mine Trend A is formed by three lodes, called, from east to west, Lode A1, Lode A2 and Lode A3. The width of the "lode zone" is variable and can be accurately measured only in three places in the Great South Comet mine:

No. 1 East Crosscut, width = 42 feet
No. 3 West Crosscut, width = 38 feet
No. 4 West Crosscut, width = 25 feet

The interval between lodes in the Great South Comet mine is:

No. 1 East Crosscut,	A1, A2 = 12 feet) A2, A3 = 14 feet)	Elevation 1,124ft
No. 3 West Crosscut,	A1, A2 = 20 feet) A2, A3 = 5 feet)	Elevation 1,337 ft
No. 4 West Crosscut,	A1, A2 = 10 feet) A2, A3 = 5 feet)	

The three lodes can also be distinguished in the vertical sections of several bore holes drilled in the area. In some instances, however, the veins show a tendency to split and merge and, owing to the close spacing between them, it is often difficult to tell in a bore hole section the individual lodes from their splits. The three lodes seem to merge south of S.C.4. The following is a review of what can be learned on the size, composition and grade of the lodes from underground reconnaissance and diamond drilling:

Lode A1

In the mine Lode A1 was followed by Adit No. 3 and, over a short distance, by a drift put in from No. 1 East Crosscut of Adit No. 1. Taylor (1950) estimates an average width of 3 feet for this lode. Bore hole intersections at different levels show, from 655 feet to 978 feet, an average width close to 4.5 feet. The 14.1 feet wide mineralised intersection of S.C.11A at 1,185 feet is interpreted as formed by the merging of Lode A1 with Lode A2. Owing to the present condition of Adit No. 3, Lode A1 was sampled by Geophoto only along the short drift parallel to Adit No. 1. Over a strike length of 47 feet and a width of 3 feet, the lode averaged 1.67% Pb, 7.79% Zn and 0.9 oz Ag.

Lode A2

Lode A2 was exposed in the mine in Crosscuts No. 3 and No. 4 West and No. 1 East. This exposure was sampled by Geophoto and assayed over a width of 3 feet 0.6%Pb, 2.2% Zn and 0.4 oz Ag. Only two bore hole intersections show better grand and width, S.C.14, 803' A.S.L. and S.C.2A, 966' A.S.L.

Lode A3

Lode A3 was exposed in the main drive of Adit No. 1 and in the final part of Adit No. 3.

The channel sampling of Adit No. 1 has shown that the lode is formed by five galena-sphalerite lenses separated by long, lower grade or barren, sections. The length of the lenses ranges from a minimum of 35 feet to a maximum of 150 feet or probably more if we consider that most of the stope areas were not sampled and that Lens No. 5 is open at its southern extremity.

Lens No. 5 (refer to Drg. B.164) is the one which exhibits better continuity of "ore grade" averaging over a length of 70 feet and a width of 7.5 feet, 3.47% Pb, 11.47% Zn and 2.41 oz Ag. An important feature is the splitting up of this lens toward the end of the main drive into two branches, 'Alpha' and 'Beta' from east to west. Split 'Alpha' was followed and partly stoped in the main drive but the roof of the adit has collapsed 10 feet past the nearby rise to Adit No. 3, and no sampling was carried out by Geophoto. Split 'Beta' was crosscut near the junction of the two splits, and minor drifting in a southerly direction was undertaken. This split was regularly channel sampled and the assays obtained from the sampling of the face (channel 165) show that ore grade persists at the end of the drift. The splitting up of Lens No. 5 is also shown by boreholes S.C.11 and S.C.11A and probably S.C.10. Boreholes S.C.11 and S.C.11A show that at about 100 feet below the level of the adit, branch 'Alpha' (1,027' A.S.L.) still exhibits pay width and grade while branch 'Beta' (1,058' A.S.L.) is narrow and low grade. At about 80 feet above the level of the adit the width of branch 'Alpha' (1,201' A.S.L.) is still considerable but the grade has deteriorated, and branch 'Beta' (1,210' A.S.L.) is low grade although both metals content and width are better than in 1,058' A.S.L. intersection. The width of the mass of country rock between branch 'Alpha' and branch 'Beta' appears to range from 5 feet to 10 feet in bore holes S.C.11 and S.C. 11A.

3. Trends E2, E1, K.H.E.2, K.H.E.1

These are east of trend A and do not, strictly speaking, belong to the Kosminsky-South Comet zone of mineralisation. They have been mostly intersected by boreholes drilled to test the Kosminsky section of the "zone" and occasionally exhibit pay width and grade.

Trend E2

Bore hole K.H.3: 6.7 ft - 13.84% Pb, 2.37% Zn, 3.02 oz Ag

Trend E1

Bore hole K.H.1: 7 feet - 14.5% Pb, 1.72% Zn, 13.07 oz Ag

They do not, however, seem to have a better continuity along the strike than trend A or trend W.

ORE TONNAGE ESTIMATE

Owing to the lens-like nature of the veins, shown in Adit No. 1 of the Great South Comet mine and confirmed by the results of the drilling, as well as to the erratic distribution of the "ore" values, any projection of shoots or pods of mineralisation becomes rather conjectural. Estimated tonnages of ore in semideveloped or undeveloped lenses can therefore be offered only as a reasonable possibility.

It is also to be pointed out that, in our calculations, we will consider only those sections of the veins which exhibit an economic sulphides content in line with Texins Development exploration target as reviewed in January, 1973, namely a minimum grade of 10% Zn or 13% Pb + Zn.

In estimating the dimensions of the lenses we will take into account that in the Great South Comet mine: (Dwg. B.163)

1. The maximum horizontal distance over which a lens has been stoped ranges from 220 feet (Stope No. 7) to 280 feet (?) (Stope No. 8).

2. The average vertical distance of overhand stoping is 40 feet, with a maximum of 50 feet (Stope No. 7).

3. Very minor underhand stoping was carried out in Adit No. 1 but it is now known to what depth.

The following are the tonnage estimates for each lens exhibiting pay grade and pay width values.

1. Trend W

We will consider that section of the mineralization comprised between the intersections of boreholes S.C.1 and S.C.14. The two pay intersections are in a vertical range of 38 feet which is consistent with the average vertical dimension of the lenses stoped in the Great South Comet mine.

The influence of each intersection can be extended laterally half its distance from the nearest holes, both in a northerly and in a southerly direction, for a total strike length of 260 feet.

In our calculations, the west split of the vein structure will not be considered because it averages below the exploration target minimum grade.

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TREND W: ORE TONNAGE ESTIMATE

D.D.H.	Factor	Width	% Pb	% Zn	Ag (oz)	WxF	WxFxPb %	WxFxZn %	WxFxAg
S.C.1 (1,044')	2	4.5ft	4.58	13.5	1.52	9	41.22	121.5	13.68
S.C.2 (1,082')	2	5.2ft	13.4	1.4	0.13	10.4	139.36	14.56	1.35
	4					19.4	180.58	136.06	15.03

Combined assay average over a strike length of 260 feet

Width $= \sum \frac{WxF}{F} \div \frac{19.4}{4} = 4.85$ feet

Weighted average $= \sum \frac{Wx\%xF}{WxF}$ = 4.85', 9.30% Pb, 7% Zn, 0.77 oz Ag

diluted to W = 5 feet : 5.00', 9.03% Pb, 6.8% Zn, 0.75 oz Ag.

Considering a tonnage factor of 10.5 cu ft/ton, the estimated tonnage with this grade would be 123.8 tons per vertical foot. For a vertical dimension of 100 feet the tonnage would be 12,380 short tons.
Considering 10% mining dilution, grade and tonnage of mined ore material would be 136.18 tons per vertical foot at 8.13% Pb, 6.12% Zn, 0.7 oz Pb.

If we accept a maximum vertical distance of 100 feet, the amount of mined ore material would be 13,618 short tons at 8.13 Pb, 6.12% Zn, 0.7 oz Ag.

Assuming mill recovery figures:

Zn - 80%, Pb - 75%, Ag - 75%

from each ton of ore we would recover:

Pb - 121.95 lb
Zn - 97.92 lb
Ag - 0.52 oz

The average metal prices of the American Metal Market in New York for December, 1973 (from E/MJ, January, 1974, page 46) are, in U.S. currency:

Pb - 17.7¢ per pound
Zn - 27.3¢ per pound
Ag - $3.13 per troy ounce

For our calculations we will, however, consider the more conservative prices of September, 1973 (World Mining, October, 1973):

Pb - 16.5¢ per pound
Zn - 21.0¢ per pound
Ag - $$27070 per troy ounce

which gives a value of recovered metals of $42.08/ton.

2. Trend A

a. Lens No. 5 of the Great South Comet mine

The splitting up of Lens No. 5 at the end of Adit No. 1 and the results obtained by boreholes S.C.11 and S.C.11A, have been discussed already under section titled "Mineralization". It has been advised also that the grade of split 'Alpha' had not been tested by underground sampling because the part immediately south of the junction was stoped over a horizontal length of 40 feet, a vertical range of 40 feet above the adit, and a width of about 12 feet, and because at the end of the stope the roof of the drive had fallen. However, from drilling we know that split 'Alpha', intersected by S.C.11 at about 110 feet south of No. 1 West Crosscut, shows, at about 100 feet below the level of the adit, persistence of pay width and grade: 11.7 feet, 4.47% Pb, 13.3% Zn and 3.58 oz Ag.

In our calculations we will compute for convenience a combined assay and width for split 'Beta' and the section of Lode A3 north of the junction point. Split 'Alpha' will be dealt with separately.

Due to the low grade intersections obtained from S.C.11 and S.C.11A, split 'Alpha' can be extended safely only half of the distance from the horizontal projection of S.C.11. Considering that such low grade values occur in a vertical range of 150 feet, the figure of 80 feet can be taken as the probable maximum vertical dimension of the lens.

Main Lode and Split B

Only the assay results obtained from the channel samples taken in the main drive and in the short west drift (refer to Drawing No. B.164), have been used to calculate the average width and grade of the unmined section of Lens No. 5. The grouping of the sample units within several channels could, however, be sorted in such a way as to yield an average overall width closer to five feet, and, of course, a better average grade.

Data and calculations are tabulated in the adjoining table.

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LENS NO. 5 - ORE TONNAGE ESTIMATES
(refer to Drg.B.164)
Main Lode plus Split 'Beta'
(from channel 151 to channel 165)

Factor	Width	Pb%	Zn%	Ag (oz)	WxF	WxPb%xF	WxZn%xF	WxAgxF
2	3.5'	1.59	7.18	0.7	7	11.13	50.26	4.9
2	6.0'	1.96	6.26	0.9	12	23.52	75.12	10.3
2	7.0'	3.05	6.74	1.09	14	42.7	94.36	15.26
2	6.5'	4.46	15.83	1.84	13	57.98	205.79	23.92
2	10.0'	5.02	13.48	2.27	20	100.40	269.60	45.4
3	8.0'	3.75	16.25	2.00	24	90.0	390.0	48.0
4	5.5'	2.56	8.03	1.53	22	56.32	176.66	33.66
5	9.0'	4.00	9.70	2.26	45	180.0	436.50	101.70
4	8.0'	2.41	11.93	2.74	32	77.12	381.76	87.68
2	8.0'	6.75	20.75	6.90	16	108.0	332.0	110.4
2	10.0'	1.75	8.45	3.05	20	35.0	169.00	61.0
30					225	782.17	2,581.05	542.72

Combined average over a strike length of 70 feet

Width $= \sum \frac{WxF}{F} = 7.5$ feet

Weighted average: $\sum \frac{Wx\%xF}{WxF} = 7.5'$, 3.47% Pb, 11.47% Zn, 2.41 oz Ag.

Considering a tonnage factor of 10.5 cu. ft/ton, and assuming that the lens extends at least 25 feet past the face of the drift for a total strike length of 95 feet, the estimated tonnage would be 71.2 tons per vertical foot which yields, if we assume a vertical dimension of 80 feet : 5,696 short tons at 3.47% Pb, 11.47% Zn and 2.41 oz Ag.

Split 'Alpha'

While the S.C.11 intersection at 1,027' A.S.L. shows pay grade over a width of 11.7 feet, the S.C.12 intersection at 1,201' A.S.L. shows that although the width of the lode has increased, the grade has deteriorated. However, the two values occur in a range of 184 feet, and this wide mineralised structure can probably be extended along the strike half the distance to S.C.10 horizontal projection. For average vertical dimension, taking into account the 40 feet of overhand stoping, a maximum of 80 feet can be considered.

If total length of Split 'Alpha' were 160 feet, the maximum tonnage should be $\frac{160 \times 7.5}{10.5} = 120$ tons per vertical foot, using an average width of 7.5 feet (similar to that of Split 'Beta') as being safer than that of 11.7 feet shown by the S.C.11 intersection.

If the average vertical dimension is 80 feet, the final figure would be 9,600 short tons averaging a grade probably not inferior to that calculated for Split 'Beta'.

Considering that about 1,700 tons were extracted from Stope No. 6, the estimated maximum tonnage of Split 'Alpha' should be of the order of 7,900 short tons.

Altogether, the maximum potential tonnage of Lens No. 5 could be 13,596 short tons averaging 3.47% Pb, 11.47% Zn and 2.41 oz Ag.

If we now assume a 10% mining dilution, tonnage and grade should become:

14,955 short tons at 3.13% Pb, 10.33% Zn and 2.17 oz Ag.

Assuming as valid the same mill recovery figures of Zn = 80%, Pb = 75%, Ag = 75%, from each ton of ore we could recover:

Pb	46.95 lb
Zn	165.28 lb
Ag	1.63 oz

Using, as in the previous case the average metal prices of the American Metal Market for September, 1973, the value of recovered metals would be $46.84 per ton.

b. Borehole Kosminsky Hill No. 1 (1.035' A.S.L. intersection)

K.H.1 intersected ore mineralisation at 1,035' A.S.L. (refer Drg. B160). The intersection averaged, over a width of 6 feet: 6.95% Pb, 6.85% Zn and 2.8 oz Ag.

The horizontal distance over which the ore may persist is limited by the low grade K.H.5 - 1,073' A.S.L. and K.H.13 - 980' A.S.L. intersections.

K.H.1 - 1,035' A.S.L. width and assay can therefore be projected laterally only half-way to the location of the K.H.5 and K.H.13 intersections, delineating a lens of a strike length of about 180 feet. Assuming 80 feet as the maximum possible vertical range, and 10.5 cu. feet/ton as tonnage factor, this lens could yield 8,228 short tons at the above-mentioned grade.

c. Boreholes K.H.6 and K.H.4

The 1,064' A.S.L. and 1,083' A.S.L. intersections of these two boreholes outline a lens which could be about 320 feet long with an average width close to 5.5 feet, but with a grade probably slightly inferior to that of Texins Development's exploration targed (about 11.4% of combined Pb and Zn, and about 2.3 oz of Ag per ton). The estimated length of this lens is, however, above the average in the area and fill-in drilling could indicate that it is actually formed by two isolated pods.

3. Trend E2

Borehole K.H.3 shows a mineralised intersection at 1,238 feet A.S.L. which, over a width of 6.7 feet, averaged 13.84% Pb, 2.37% Zn and 3.02 oz Ag.

This lens has not been satisfactorily tested, the two nearby boreholes K.H.2 and K.H.5 having been depressed to intersect the vein structure far below the common vertical range of the richest pods of the area. We can, however, estimate also for this lens a strike length of 180 feet and a vertical dimension of 80 feet which would yield a tonnage in the order of 9,000 tons at the above reported grade.

4. Trend E1

Borehole K.H.1 intersected at 805' A.S.L. a vein structure which averaged over a width of 7 feet, 13.5% Pb, 1.72% Zn, 13.07 oz Ag. Considering that this vein structure was not intersected by K.H.21 at about 70 feet above the K.H.1 intersection nor by K.H.14 at about 200 feet below, it is possible that this pod might have more limited dimensions than the previous ones. Tentatively, taking a strike length of 100 feet and a vertical dimension of 40 feet, it could yield a tonnage of about 2,600 tons at the above reported grade.

CONCLUSIONS

Summarising, the estimated tonnages of material which, on the basis of Texins Development's exploration target limits, can be considered of "ore grade" are as follows:

Trend W		12,380 short tons
Trend E1	(Lens No. 5	13,596 short tons
	(Lens K.H.1	8,228 short tons
Trend E2		9,000 short tons
Trend E1		2,600 short tons
		45,804 short tons

Out of these, only Lens No. 5 has an average grade above 10% Zn.

The total estimated tonnage is far below the minimum limit of 2,000,000 tons set by Texins Development Pty. Ltd. in January, 1973. Further, it seems improbable, knowing the habit of the mineralisation within the tested sections of the Kosminsky-South Comet fracture zone, that such a tonnage could be found in the still untested Climie and Mariposa sections.

Our conclusions are, therefore, that the results obtained to date do not warrant any further work in the prospect area.

Lanfranco Discala
25 March, 1974.

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APPENDIX I

INDEX OF DRAWINGS

NB: All Drawings in boxes

Drg. No. B.160	Horizontal projections of diamond drill holes and mineralized trends. (2 sheets)
Drg. No. B.162	Great South Comet Mine Adits Nos. 1, 2, 3 and 4.
Drg. No. B.163	Longitudinal section.
Drg. No. B.164	Great South Comet Mine Lens No. 5. Adit No. 1, Location of channel samples and assay results.

Diamond Drill Hole Sections:

- SC1 to SC19
  Drg No B101 to B119
- SC 21
  Drg No B120
- KH1 to KH6
  Drg No B121 to B126
- KH7 to KH21
  Drg No B128 to B141
- KH23
  Drg No B142

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APPENDIX II

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APPENDIX III 1971/8

SUMMARY OF DIAMOND DRILLING IN THE DUNDAS AREA OF WEST TASMANIA E.L.7/68

SEPTEMBER, 1972 - FEBRUARY, 1973

PREPARED FOR

TEXINS DEVELOPMENT PTY. LTD.

BY

GEOPHOTO RESOURCES CONSULTANTS

A.C. JOHNSTON
FEBRUARY, 1973

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INTRODUCTION

During the period September, 1972 to February, 1973 a total of 16 diamond drill holes was drilled within the Dundas area of E.L.7/68. Of these, 12 were directed at further investigating the South Comet-Kosminsky fracture zone. The remaining holes were drilled on targets located within the Montezuma North grid. The conclusions drawn from the above programme have been discussed in detail in Geophoto Minerals Reports 1974/4 and 1974/8.

The following, therefore, is a summary of the objective and results of each of the above diamond drill holes.

South Comet 12 (S.C.12)

Objective: S.C.12 was drilled to explore the southern extension of the South Comet-Kosminsky fracture zone.

Results: A wide weakly mineralised section within brecciated siltstones and sandstones of the Hodge formation and associated with abundant siderite veinlets, gave the following results:-

129.9' - 147.9' 0.51% Pb, 0.7% Zn

Minor mineralisation was also intersected in the interval 278.9' - 393.7', and here also associated with siderite veinlets within sporadically brecciated siltstones of the Brewery Junction formation.

South Comet 14 (S.C.14)

Objective: S.C.14 was one of a series of holes designed to test at depth the main South Comet lode zone. In addition, two lode zones which parallel this mineralised trend and about which little was known at the time, would be tested.

Results: Three significantly mineralised sections were intersected in this hole and can be summarised as follows:-

1. 138.5 ft - 146.3 ft 6.45% Pb, 4.36% Zn, 4.69 oz Ag

Within this section PbS and ZnS mineralisation was generally "scattered" throughout. At 139.1 ft "stronger veining" consisted of coarse, zoned, brown sphalerite and sub-ordinate galena within a gangue of siderite. This veining, which occurred within sandstones, siltstones and shales of the Hodge formation, was inclined at 15° to the core axis.

2. 175.9ft - 181.1ft 13.4% Pb, 1.4% Zn, 13 oz. Ag

Mineralisation throughout this section consisted of fine galena and sub-ordinate sphalerite and pyrite, associated with a gangue of siderite. Brecciated sandstone, siltstone and fuchsite conglomerate of the Red Lead formation hosted the above mineralisation.

3. At 518ft (4.5ft true width)
1.10% Pb, 7.14% Zn, 0.13 oz Ag

This mineralisation was encountered at 803ft A.S.L. and represents the main South Comet-Kosminsky lode. Here, the lode material varies from massive, coarse grained, dark brown, sphalerite with sub-ordinate galena and pyrite, to occasional coarse sphalerite associated with siderite veining. Sandstones and siltstones of the Crimson Creek formation host the above mineralisation.

South Comet 15 (S.C.15)

Objective: S.C.15 encountered only one significantly mineralised section. As for S.C.14 above.

Results: S.C.15 encountered only one significantly mineralised section:-

342.9ft - 350ft 6.5% Pb, 0.3% Zn, 2 oz Ag.

In this case, the mineralisation occurs as blebs and veinlets of coarse galena and sphalerite, with pyrite, in "carbonaceous quartzite" and irregular carbonate veinlets. Dark grey slates and quartzites of the oonah formation host the above mentioned mineralisation.

South Comet 16 (S.C.16)

Objective: As for S.C.14 above.

Results: No significant mineralisation was intersected in S.C. 16. Minor mineralisation, however, was encountered at 445.9ft, 485.3ft, 56.7ft and 79.8ft and within a strongly brecciated section, 100ft - 108.3ft. S.C.16 was planned to terminate at 1115.5ft but was abandoned at 576.6ft after penetrating an intensely brecciated zone first encountered at 518.6ft.

South Comet 17 (S.C.17)

Objective: As for S.C.14 above.

Results: S.C.17 intersected the main South Comet lode zone at 607ft A.S.L. where only minor mineralisation was encountered:-

689ft - 690.9ft 1.8% Pb, 0.68% Zn

However, two significantly mineralised sections were intersected and are summarised as follows:-

1. 200.1ft - 205ft 1.5% Pb, 6.2% Zn, 6.2 oz Ag

Within this interval, sphalerite and galena mineralisation is associated with a brecciated zone within sandstones and siltstones of the Hodge formation.

2. 354.3ft - 359.2ft 7.2% Pb, 2.1% Zn, 8.9 oz Ag.

Brecciated siltstones and sandstones from the Razorback formation host the mineralisation in this interval.

South Comet 18 (S.C.18)

Objective: S.C.18 was located near and to the immediate south-east of Adelaide Creek and was directed at the southern extension of the South Comet-Kosminsky fracture zone.

Results: A wide weakly mineralised zone was intersected at 129.9ft, within brecciated siltstones and sandstones of the Hodge formation. The mineralisation, associated with abundant siderite veinlets, gave the following result:-

129.9ft - 148ft	0.51% Pb, 0.7% Zn

Minor mineralisation was also encountered in the interval 278.9ft - 393.7ft and here was associated with siderite veinlets and sporadic brecciation.

South Comet 19 (S.C.19)

Objective: As for S.C.14 above.

Results: Throughout the length of S.C.19, only sporadic weakly mineralised sections were encountered, the best result being 1.95% Pb, 0.64% Zn, in the interval 788.4ft - 771.3ft. The projected South Comet-Kosminsky lode zone was cut at 350ft A.S.L. and here was represented by barren carbonate veining only.

South Comet 21 (S.C.21)

Objective: As for S.C.14 above.

Results: S.C.21 intersected the main South Comet-Kosminsky lode at 520ft A.S.L. where only minor mineralisation was encountered. The weak mineralisation was hosted by brecciated sandstones

and siltstones of the Crimson Creek Formation, and occurred as Pbs and Zns associated with abundant pyritic siderite veinlets. Other weakly mineralised sections were intersected at 413.7ft and 916ft. The latter gave the following results:-

916ft - 920.6ft	1.8% Pb, 3.2% Zn

Kosminsky Hill 19 (K.H. 19)

Objective: K.H.19 was one of a series of holes (K.H.19 to K.H.23) drilled into Kosminsky Hill, to test the lateral extent and mineralisation of the northern portion of the South Comet-Kosminsky fracture zone.

Results: K.H.19 intersected no significant mineralisation. Minor mineralisation in the form of blebs and veinlets of galena, associated with siderite veinlets, was located at 348.8ft - 351.7ft and 377.3ft - 377.6ft. Both of these occurrences were located within dark grey graphitic slates and quartzites of the Oonah Formation.

Kosminsky Hill 20 (K.H.20)

Objective: As for K.H.19 above.

Results: No significant mineralisation was intersected in K.H.20. Minor mineralisation, however, occurred within the interval 147ft - 149.3ft, where veinlets of galena and sphalerite were hosted by massive, cream siderite at the faulted contact between Crimson Creek and Oonah Formations. Brecciation of varying intensity was a common feature throughout the length of this hole, but was particularly intense within the interval 149.4ft - 300ft.

Kosminsky Hill 21 (K.H.21)

Objective: As for K.H.19 above.

Results: K.H.21 intersected two weakly mineralised zones within the intervals 45.9ft - 55.8ft and 85.3ft - 90.2ft. The latter interval gave 0.4% Pb, 2.1% Zn, and was located within a mildly brecciated section of siltstones, mudstones and sandstones belonging to the Crimson Creek formation. Frequent siderite and quartz-siderite veining was associated with the above minor mineralisation.

Kosminsky Hill 23 (K.H.23)

Objective: As for K.H.19 above.

Results: No significant mineralisation was encountered by K.H.23. One weakly mineralised section, however, was located within the interval 411.4ft - 416.3ft and resulted in 0.82% Pb, 1.31% Zn, 0.73 oz Ag. Mineralisation here consisted of scattered 'stringers' of galena and sphalerite (seldom $>$ 1/10") associated with abundant siderite veinlets within varicoloured mudstones of the Crimson Creek formation. Minor galena and pyrite mineralisation was also located within the interval 643.9ft - 655.2ft.

Montezuma North 3 (MzN.3) (refer to Drg. No. 1/354)

Objective: MzN.3 was drilled to investigate V.L.F. anomaly No. 1.

Results: No significant mineralisation was intersected by MzN.3. Minor Sn mineralisation, however, was located within the following intervals:-

147.5ft - 152.4ft	0.4% Sn
153.5ft - 158.4ft	0.6% Sn

The Sn mineralisation (cassiterite?) was associated with abundant veinlets of pyrite occurring within disrupted quartzites and black graphitic slates of the Oonah formation. It seems highly likely that the V.L.F. response can be directly related to the pyrite-rich black graphitic slates.

Montezuma North 4 (MzN.4)

Objective: MzN.4 was one of three holes (MzN.4, MzN.5, MzN.6) all drilled from the same location with the following twofold purpose:-

1. To test V.L.F. anomaly No. 2 at depth. This anomaly was supported by mineralisation (mainly pyritic) observed in the old adits (nos. 4, 5 and 6).

2. To test at depth a jamesonite-pyrite vein. This vein, which assayed up to 24% Sb, 33% Pb and 34oz Ag, corresponds fairly well to V.L.F. anomaly No. 2 and was uncovered while preparing the access road to the above sites.

Results: Only very minor Pb and Sb mineralisation was encountered by MzN.4 which was drilled on a bearing of 265°, almost perpendicular to the above-mentioned vein. The surface mineralisation, however, was intersected at 410ft (1,748ft A.S.L.) and took the form of a strong development of pyrite mineralisation, within disrupted quartzites and black slates of the Oonah formation. A 6.6ft section of this mineralisation gave the following encouraging assay, particularly for Sn and Ag:-

410.1ft - 416.7ft 0.7% Sn, 3.8 oz Ag

Montezuma North 5 (MzN.5)

Objective: As for MzN.4 above.

Result: MzN.5 was drilled on a bearing of 300°T and intersected the vein mineralisation at 230ft and 1,929ft A.S.L., where it had an apparent width of about five feet. The mineralisation was dominated by massive pyrite carrying minor galena and jamesonite, within disrupted black slates and quartzites of the Oonah formation. Systematic sampling of this and other pyrite-rich sections resulted in only very minor associated Sn mineralisation and insignificant Ag values. The highest Sn value was 0.2% Sn for the interval 220.3ft - 223ft.

Montezuma North 6 (MzN.6)

Objective: As for MzN.4 above.

Result: MzN.6 was drilled in a bearing of 220°T with similarly poor results to MzN.5. The only evidence of the jamesonite-pyrite vein was a 10" section of massive pyrite at 164ft and 1,831ft A.S.L., again within disrupted quartzites and black slates of the Oonah formation. Minor veinlets of

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galena and sphalerite were encountered at 57ft, 217ft, 233ft and 386ft, and thin pyrite veinlets were abundant throughout the length of the hole. Several pyrite-rich sections were sampled for Sn content with disappointing results. The highest assay was 0.24% Sn in the interval 381.3ft - 382.8ft.

A.C. Johnston
March, 1974.

E.L.7/68 Dundas Drill Hole Mineralised Sections 6110470

	South Comet 12		Length ft		Width ft		Chemical Assay Data			Value		Host Rock	A.S.L. Inters.
1			From	To	Appr	True	Pb %	Zn %	Ag oz				
2													
3	Location: South Comet-												
4	Kosminsky												
5	48S + 07E + 10'N		509.3	514.2	4.9	3.5	0.91	7.34	0.46			siltstone	928'
6													
7	A.S.L. collar: 1,390'												
8													
9	Azimuth: 50°T												
10													
11	Depression: 70°												
12													
13	Length: 600'												
14													
15	A.S.L. bottom: 850'												
16													
17	Year drilled: 1973												
18													
19													
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections

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	South Comet 14		Length ft		Width ft		Chemical Assay Data			Value		Host Rock		A.S.L. Inters
			From	To	Appr	True	Pb%	Zn%	Ag oz					
1														
2	Location: South Comet-													
3	Kosminsky													
4	36S + 6.45W + 115'S		138.5	146.3	7.8	5.3?	6.45	4.36	4.69			s.s.,	slst,	
5												congl	om.	1,115'
6	A.S.L. collar: 1,246'													
7			175.9	181.1	5.2	3.6	13.4	1.4	13			"		1,082'
8	Azimuth: 78°T													
9			431.3	437.8	6.5	5.9	1.67	1.94	1.55			s.s.,	slst,	
10	Depression: 67°											sl.		874'
11														
12	Length: 719'		at 518'		5.0	4.5	1.19	7.14	0.13			"		803'
13														
14	A.S.L. bottom: 672'													
15														
16	Year drilled: 1972													
17														
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

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E.L.7/68 Dundas Drill Hole Mineralised Sections

	South Comet 15		Length ft From	Length ft To	Width ft Appr	Width ft True	Chemical Assay Data Pb%	Chemical Assay Data Zn%	Chemical Assay Data Ag oz	Value		Host Rock		A.S.L. Inters
1			From	To	Appr	True	Pb%	Zn%	Ag oz					
2	Location: South Comet-													
3	Kosminsky		69.9	75.8	5.9	5.5	0.98	0.91	0.62					1,090'
4	32S + 7.9W + 55'S													
5			342.9	350	7.1	6.4	6.5	0.3	2.0			Qtite & bl.		
6	A.S.L. collar: 1,155'											gr. sl.		859'
7														
8	Azimuth: 80°T													
9														
10	Depression: 65°													
11														
12	Length: 449'													
13														
14	A.S.L. bottom: 786'													
15														
16	Year drilled: 1972													
17														
18														
19														
20														
21														
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40														
41														

OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 6110450

	South Comet 16		Length ft		Width ft		Chemical Assay			Value		Host Rock		A.S.L.
								Data						Inters.
1			From	To	Appr.	True	Pb %	Zn %	Ag oz					
2	Location: South Comet-													
3	Kosminsky													
4	38S + 8.8W + 25'S													
5														
6	A.S.L. collar: 1,102.4'		Minor mineralisation only at 56', 79.8', 445.9', 485.3'.											
7														
8	Azimuth: 56°T													
9														
10	Depression: 75°													
11														
12	Length: 576.6'													
13														
14	A.S.L. bottom: 565'													
15														
16	Year drilled: 1972													
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 611051 051

South Comet 17	Length ft		Width ft		Chemical Assay Data			Value		Host Rock	A.S.L. Inters.
	From	To	Appr.	True	Pb%	Zn%	Ag oz				
Location: South Comet-Kosminsky	200.1	205	4.9	3.5	1.5	6.2				sandstone/ slst.	1,070'
40S + 5.5W + 20'N											
A.S.L. collar: 1,260'	280.5	283.8	3.3	2.6	1.23	0.53	1.48				997'
Azimuth: 78°T	316.6	321.5	4.9	3.9	2.57	0.93	4.13				964'
Depression: 70°	354.3	359.2	4.9	3.9	7.2	2.1	8.9			s.s./slst/ congl.	925'
Length: 765'	689	690.9	1.9	1.8	0.21	0.68					655'
A.S.L. bottom: 574'											
Year drilled: 1973											

OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.73

E.L.7/68 Dundas Drill Hole Mineralised Sections 61105205

	South Comet 18		Length ft		Width ft		Chamical Assay			Value		Host Rock		A.S.L.
								Data						Inters.
1			From	To	Appr.	True	Pb %	Zn %	Ag øz					
2	Location: South Comet-													
3	Kosminsky													
4	52S + 24E + 66'N		129.9	148	18.1	9.9	0.51	0.7				slst/sandst		1,197'
5														
6	A.S.L. collar: 1,320'													
7														
8	Azimuth: 70°T													
9														
10	Depression: 75°													
11														
12	Length: 586'													
13														
14	A.S.L. bottom: 786'													
15														
16	Year drilled: 1973													
17														
18														
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.73

E.L.7/68 Dundas Drill Hole Mineralised Sections 611053 053

	South Comet 19		Length ft		Width ft		Chemical Assay Data			Value		Host Rock		A.S.L. Inters.
			From	To	Appr	True	Pb %	Zn %	Ag oz					
1	Location: South Comet-Kosminsky													
2														
3	44S + 5.6W + 50'N		714.9	719.8	4.9	3.3	0.4	0.8				dk.green volcanic		662'
4														
5	A.S.L. collar: 1,330		768.4	771.3	2.9	2.0	1.95	0.64						582'
6														
7	Azimuth: 75°T		804.8	806.1	1.3	0.9	-	1.3						542'
8														
9	Depression: 75°													
10														
11	Length: 1,306'													
12														
13	A.S.L. bottom: 204'													
14														
15	Year drilled: 1973													
16														
17														
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 611054 054

South Comet 21	Length ft		Width ft		Chemical Assay Data			Value		Host Rock	A.S.L. Intervls
	From	To	Appr	True	Pb %	Zn %	Ag oz				
Location: South Comet-Kosminsky											
42S + 4.3W + 80'N	At 413.7		5	2.7	1.8	2.6				Sandstone	976'
A.S.L. collar: 1,375'	916	920.6	4.6	3.0	1.8	3.2				Sandstone/ slst.	511'
Azimuth: 72°T											
Depression: 75°											
Length: 1047'											
A.S.L. bottom: 400'											
Year drilled: 1973											

OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 611055 055

	Kosminsky Hill 19		Length ft		Width ft		Chemical Assay Data			Value		Host Rock		A.S.L. Interval
			From	To	Appr	True	Pb %	Zn %	Ag oz					
1														
2	Location: South Comet-Kosminsky													
3														
4	16S + 18.25W + 50'S		347.8	351.7	3.9	)								934'
5						)	Minor mineralisation only							
6	A.S.L. collar: 1183'		377.3	377.6	0.6	)								917'
7														
8	Azimuth: 70°T													
9														
10	Depression: 52°													
11														
12	Length: 412'													
13														
14	A.S.L. bottom: 896'													
15														
16	Year drilled: 1972													
17														
18														
19														
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 611056 056

	Kosminsky Hill 20		Length ft		Width ft		Chemical Assay Data			Value		Host Rock	A.S.L. Interval
			From	To	Appr	True	Pb %	Zn %	Ag oz				
1													
2	Location: South Comet-												
3	Kosminsky												
4	18S + 15.9W + 33'S		147	149.4	2.4	2.1	1.15	0.12	0.44			s.s/slst/	1,174'
5												mdst,qzite/	
6	A.S.L. collar: 1,293'											bl.slate	
7													
8	Azimuth: 70°T												
9													
10	Depression: 55°												
11													
12	Length: 279'												
13													
14	A.S.L. bottom: 1,077'												
15													
16	Year drilled: 1972												
17													
18													
19													
20													
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 3.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 611057 057

	Kosminsky Hill 21		Length ft		Width ft		Chemical Assay Data			Value		Host Rock	A.S.L. Interval
			From	To	Appr	True	Pb %	Zn %	Ag oz				
1													
2	Location: South Comet-												
3	Kosminsky												
4	22S + 13.8W + 20'N		45.9	55.8	9.9	7.9	0.77	0.66	0.46			massive	
5												siderite	1,267'
6	A.S.L. collar: 1,308'												
7			85.3	90.2	4.9	3.9	0.4	2.1	-			ss/slst/	
8	Azimuth: 80°T											mdst	1,226'
9													
10	Depression: 60°												
11													
12	Length: 697'												
13													
14	A.S.L. bottom: 765'												
15													
16	Year drilled: 1972												
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

	Kosminsky Hill 23		Length ft		Width ft		Chemical Assay Data			Value		Host Rock		A.S.L. Intervs
			From	To	Apps.	True	Pb %	Zn %	Ag oz					
1														
2	Location: South Comet-													
3	Kosminsky		411.4	416.3	4.9	3.7	0.82	1.31	0.73			mdst/slst		900.6'
4	22S + 18.7W + 70'S													
5														
6	A.S.L. collar: 1,280'													
7														
8	Azimuth: 70°T													
9														
10	Depression: 70°T													
11														
12	Length: 755.7'													
13														
14	A.S.L. bottom: 641.7'													
15														
16	Year drilled: 1973													
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

611059 053

E.L.7/68 Dundas Drill Hole Mineralised Sections

	Montezuma North 3	Length ft		Width ft		Chemical Assay	Value	Host Rock	A.S.L.
						Data			Interv
1		From	To	Appr	True	Sn %			
2	Location: Montezuma								
3	47.5N/2.1E + 0.3S	147.5	152.4	4.9		0.4		graphitic bl. slate	1,956'
4									
5	A.S.L. collar: 2,080' approx.	153.5	158.4	4.9		0.6		qtzite/slate (black)	1,952'
6									
7	Azimuth: 255°T								
8									
9	Depression: 60°								
10									
11	Length: 449'								
12									
13	A.S.L. bottom: 1,732'								
14									
15	Year drilled: 1973								
16									
17									
18									
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E.L.7/68 Dundas Drill Hole Mineralised Sections 611060 060

Montezuma North 4		Length ft From	Length ft To	Width ft Appr	Width ft True	Chemical Assay Data Sn%	Chemical Assay Data Ag oz	Value	Host Rock	A.S.L. Interv.
Location: Montezuma North		From	To	Appr	True	Sn%	Ag oz			
47.5N + 4.1E + 3'S		401	416.7	15.7	11.9	0.36			Qzite, pl. gr.sl.	1,753'
A.S.L. collar: 2,135'	or									
		410.1	416.7	6.6	5.0	0.7	3.8		" "	1,748'
Azimuth: 265°T										
Depression: 75°										
Length: 560'										
A.S.L. bottom: 1,625'										
Year drilled: 1973										

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E.L.7/68 Dundas Drill Hole Mineralised Sections

611061 061

	Montezuma North 5		Length ft		Width ft		Chemical Assay	Data		Value		Host Rock		A.S.L. Interv
1	Location: Montezuma		From	To	Appr	True	Sn%							
2	North													
3	4.75N + 4.1E + 3'S		220.3	223	209	2.9	0.2					Bl.slate/		
4												qzite		1,929'
5	A.S.L. collar: 2,135'													
6														
7	Azimuth: 300°T													
8														
9	Depression: 70°													
10														
11	Length: 464'													
12														
13	A.S.L. bottom: 1,714'													
14														
15	Year drilled: 1973													
16														
17														
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OPERATING UNIT: PREPARED BY: A.C.J. DATE: 2.74

E.L.7/68 Dundas Drill Hole Mineralised Sections 611062 062

	Montezuma North 6		Length ft		Width ft		Chemical Assay	Value		Host Rock	A.S.L. Inters.
								Data			
1			From	To	Appr	True	Sn%				
2	Location: Montezuma										
3	North										
4	47.5N + 4.1E + 3'S		381.3	382.8	1.5	1.5	0.24			bl.gr.	
5										slate	1,831'
6	A.S.L. collar: 2,135'										
7											
8	Azimuth: 220°T										
9											
10	Depression: 60°										
11											
12	Length: 423'										
13											
14	A.S.L. bottom: 1,805'										
15											
16	Year drilled: 1973										
17											
18											
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APPENDIX IV

GEOCHEMICAL LABORATORY REPORTS

064

612064

GEOPHOTO RESOURCES CONSULTANTS
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4th Floor Red Comb House
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Telephone 21 3875

GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003154 PROJECT No. EL.7/68 - DUNDAS - GREAT SOUTH COMET MINE

LAB. SHEET No.: 1043/3 SAMPLE TYPE: ROCK DATE: 13th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
SCM 26A 2'	72-G-115	650	0.29%		35				
SCM 26B 1.5'	72-G-116	0.27%	0.60%		55				
SCM 27A 2	72-G-117	0.64%	0.95%	10	50				
SCM 27B 2	72-G-118	0.46%	0.88%		45				
SCM 27C 1	72-G-119	1700	1.13%		50				
SCM 31A 2	72-G-120	890	0.27%		20				
SCM 31B 2	72-G-121	950	0.66%		50				
SCM 81A 1.5	72-G-122	0.21%	3.15%	12	145				
SCM 81B 1	72-G-123	1900	0.9%		45				
SCM 81C 1	72-G-124	3.8%	13.8%	50	675				
SCM 97A 1.5	72-G-125	1.45%	4.4%	26	235				
SCM 97B 1.5	72-G-126	1.1%	4.0%	17	215				
SCM 97C 2	72-G-127	480	1300		5				
SCM 99A 1.5	72-G-128	1.55%	6.4%	22	300				
SCM 99B 1.5	72-G-129	3.3%	6.8%	24	420				
SCM 99C 1.5	72-G-130	1.4%	6.0%	9	340				
SCM 99D 1.5	72-G-131	1.1%	3.7%	7	200				
SCM 99E 1.5	72-G-132	0.73%	2.45%		135				
SCM 99F 1.5	72-G-133	1.33%	2.95%	7	160				
SCM 100A 1	72-G-134	0.51%	2.1%		110				
SCM 100B 2	72-G-135	1.64%	1.9%	12	115				
SCM 100C 2	72-G-136	1.1%	3.0%	9	145				
SCM 104A 2	72-G-137	1.05%	2.25%	7	120				

METHODS:

Pb, Zn, Ag by G.R.C. No. 101

Cd by G.R.C. No. 107

This laboratory is registered by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of registration.

Chief Chemist

065

611065

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4th Floor Red Comb House
Roma Street, Brisbane 4000
Telephone 21 3675

GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003154 PROJECT No.: EL.7/68 - DUNDAS - GREAT SOUTH COMET MI

LAB. SHEET No.: 1043/4 SAMPLE TYPE: ROCK DATE: 13th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
SCM 104B 2	72-G-138	0.37%	0.74%		40				
SCM 104C 2	72-G-139	0.90%	3.3%		195				
SCM 105A 2	72-G-140	0.30%	0.74%		40				
SCM 105B 1.5	72-G-141	0.7%	1.88%		105				
SCM 105C 2	72-G-142	1.2%	12.3%	7	850				

METHODS:

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Chief Chemist

Ray W. Gerlyng

066

611066

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003155 PROJECT No. EL.7/68 - DUNDAS - GREAT SOUTH COMET MINE

LAB. SHEET No.: 1043/5 SAMPLE TYPE: ROCK DATE: 13th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
SCM 107A 1.5	72-G-143	0.38%	0.63%		35				
SCM 107B 1	72-G-144	0.61%	1.75%		100				
SCM 107C 2	72-G-145	1.28%	4.1%	17	195				
SCM 109A 1	72-G-146	1900	0.85%		40				
SCM 109B 1	72-G-147	0.36%	0.76%		40				
SCM 109C 1.5	72-G-148	0.31%	0.65%		30				
SCM 112A 2	72-G-149	1.18%	2.7%	20	145				
SCM 112B 1	72-G-150	2.8%	12.7%	61	710				
SCM 112C 1.5	72-G-151	1800	0.60%		30				
SCM 119A 1.5	72-G-152	1.28%	4.5%	35	255				
SCM 119B 1	72-G-153	0.35%	3.28%	15	160				
SCM 119C 1.5	72-G-154	1250	0.48%		25				
SCM 158A 1.5	72-G-155	1.5%	1.58%	32	80				
SCM 158B 2	72-G-156	3.92%	12.6%	50	690				
SCM 158C 2	72-G-157	2.25%	8.3%	58	470				
SCM 151A 1	72-G-158	1.28%	6.0%	15	340				
SCM 151B 1	72-G-159	1.15%	6.7%	17	380				
SCM 151C 1.5	72-G-160	2.1%	8.3%	16	465				

METHODS:

NATA

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Chief Chemist Ray W. Yeckpoy

067

611067

GEOPHOTO RESOURCES CONSULTANTS
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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007941 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1047/1 SAMPLE TYPE: ROCK DATE: 18th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
SCM 33A 2.5	72-F-1078	8500	8.1%	12	500				
SCM 33B 2.5	72-F-1079	4300	5.2%	11	260				
SCM 34A 2.5	72-F-1080	6300	2.2%	19	125				
SCM 34B 2.5	72-F-1081	5250	1.99%	10	110				
SCM 35A 2.5	72-F-1082	935	1.62%		80				
SCM 35B 2.5	72-F-1083	920	8900		50				
SCM 36A 2	72-F-1084	1750	1.24%		75				
SCM 36B 2	72-F-1085	860	6700		35				
SCM 36C 2	72-F-1086	955	1.88%		100				
SCM 37A 2	72-F-1087	955	3.5%		190				
SCM 37B 2	72-F-1088	605	2.8%		160				
SCM 37C 1.5	72-F-1089	1100	3.4%		190				
SCM 38A 1.5	72-F-1090	3200	6.8%	14	375				
SCM 38B 2	72-F-1091	630	4.0%		210				
SCM 38C 2	72-F-1092	515	3.1%		170				

METHODS:
Pb, Zn, Ag by G.R.C. No. 101
Cd by G.R.C. No. 107

This laboratory is registered by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of registration.

Ray W. Yerbu

Chief Chemist

File

068

611068

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Telephone 21 3875

GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007942 PROJECT No.: EL.7/68 - DUNDAS - GREAT SOUTH COMET MINI

LAB. SHEET No.: 1047/2 SAMPLE TYPE: ROCK DATE: 18th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm
SCM 39A 1.5	72-F-1093	4100	10.5%		530
SCM 39B 1.5	72-F-1094	1700	2.9%		155
SCM 39C 1.5	72-F-1095	200	1.28%		60
SCM 40A 1	72-F-1096	2.75%	22.5%	12	1350
SCM 40B 1	72-F-1097	9000	6.0%	10	330
SCM 40C 2	72-F-1098	1000	3.35%		170
SCM 41A 1.5	72-F-1099	7500	5.1%	13	280
SCM 41B 1	72-F-1100	4500	8200		40
SCM 41C 2	72-F-1101	1.18%	11.25%	11	670
SCM 42A 1	72-F-1102	5100	6.15%	12	315
SCM 42B 1	72-F-1103	4200	7.0%		430
SCM 42C 2	72-F-1104	2450	2.6%		140
SCM 43A 1	72-F-1105	1.85%	4.0%	49	200
SCM 43B 1	72-F-1106	3700	6200		40
SCM 43C 2	72-F-1107	7900	4.75%	10	435
SCM 44A 1.5	72-F-1108	5950	9200		55
SCM 44B 1.5	72-F-1109	5350	12.5%		755
SCM 44C 1.5	72-F-1110	3450	29.0%		1725
SCM 45A 1.5	72-F-1111	1100	1.04%		50
SCM 45B 2	72-F-1112	2450	10.75%	11	590
SCM 45C 1.5	72-F-1113	7800	6.0%	18	285
SCM 49A 1.5	72-F-1114	2900	9100		50
SCM 49B 1.5	72-F-1115	2000	8000		40
SCM 49C 1.5	72-F-1116	4350	8100		40
SCM 50A 1.5	72-F-1117	1250	1600		10
SCM 50B 1.5	72-F-1118	1150	1900		10
SCM 50C 1.5	72-F-1119	1700	6300		30
SCM 51A 1.5	72-F-1120	2250	1.81%		90
SCM 51B 1.5	72-F-1121	1600	4400		20
SCM 51C 1.5	72-F-1122	2450	2800		15
SCM 32A 2	72-F-1123	7600	1.62%	10	90
SCM 32B 2	72-F-1124	1.1%	5.4%	19	270
	72-F-1109B	5300	13.75%	12	750

METHODS:

Pb, Zn, Ag by G.R.C. No. 101
Cd by G.R.C. No. 107

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007943 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1047/3 SAMPLE TYPE: ROCK DATE: 18th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm
SCM 29A 2	72-F-1125	1250	2600		15
SCM 29B 2	72-F-1126	800	2200		10
SCM 29C 2	72-F-1127	625	1550		10
SCM 30A 2	72-F-1128	1550	3600		20
SCM 30B 2	72-F-1129	1000	4900		20
SCM 30C 2	72-F-1130	500	3200		10
SCM 53A 1	72-F-1131	4950	1.62%	22	80
SCM 53B 2	72-F-1132	9500	6200	29	30
SCM 53C 2	72-F-1133	8500	7600	33	40
SCM 54A 1.5	72-F-1134	4500	4.4%	11	190
SCM 54B 1.5	72-F-1135	2700	10.0%		450
SCM 54C 1	72-F-1136	1500	3.5%		165
SCM 55A 1.5	72-F-1137	3850	7600		35
SCM 55B 1.5	72-F-1138	1600	8600		40
SCM 55C 1	72-F-1139	9500	5.5%		260
SCM 57A 1.5	72-F-1140	650	1825		10
SCM 57B 1	72-F-1141	4850	1.38%	11	70
SCM 57C 1	72-F-1142	6350	1.19%	10	50
SCM 58A 1.5	72-F-1143	1500	1900		10
SCM 58B 1	72-F-1144	1850	3900		20
SCM 58C 1	72-F-1145	4600	1.38%		60
SCM 59A 1	72-F-1146	820	3800		15
SCM 59B 1	72-F-1147	4400	1.0%		40
SCM 59C 1	72-F-1148	1.5%	3.2%	10	145
SCM 60A 1.5	72-F-1149	4700	1.54%		75
SCM 60B 1	72-F-1150	6500	3.5%		145
SCM 60C 1	72-F-1151	2.5%	9.4%	11	460
SCM 64A 1.5	72-F-1152	1.2%	7.5%	12	400
SCM 64B 1	72-F-1153	4600	20.25%	17	1225
SCM 64C 1	72-F-1154	6800	1.42%	15	70
SCM 65A 2	72-F-1155	1.3%	7.0%	22	360
SCM 65B 1	72-F-1156	1.13%	8.0%	31	410
SCM 65C 2	72-F-1157	7050	3.25%	21	320
SCM 66A 2	72-F-1158	7700	13.75%	36	785
SCM 66B 2	72-F-1159	4300	1.60%	11	100
SCM 66C 2	72-F-1160	4800	13.75%	31	925
SCM 67A 2	72-F-1161	6100	4.85%	17	260
SCM 67B 2	72-F-1162	4800	8.0%	23	425
SCM 67C 2	72-F-1163	8500	9.25%	68	735

METHODS:

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007945 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1047/4 SAMPLE TYPE: ROCK DATE: 18th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm
SCM 73A 1	72-F-1164	3100	4000		25
SCM 73B 1	72-F-1165	3200	8100		40
SCM 73C 1	72-F-1166	4300	1.64%	12	80
SCM 74A 1	72-F-1167	1500	1300		10
SCM 74B 1	72-F-1168	1250	900		5
SCM 74C 1	72-F-1169	6500	1.49%	13	70
SCM 75A 2	72-F-1170	4600	3400	10	20
SCM 75B 1	72-F-1171	7150	8300	11	40
SCM 75C 1	72-F-1172	1.25%	1.28%	15	60
SCM 76A 1	72-F-1173	4800	6400	10	30
SCM 76B 1	72-F-1174	6300	3800		20
SCM 76C 1	72-F-1175	1600	1.39%		70
SCM 77A 2	72-F-1176	235	590		5
SCM 77B 1.5	72-F-1177	435	780		10
SCM 77C 1	72-F-1178	1900	2600		15
SCM 78A 1	72-F-1179	340	645		5
SCM 78B 1	72-F-1180	1400	1680		10
SCM 78C 1	72-F-1181	8500	1.32%		65
SCM 79A 2	72-F-1182	335	410		5
SCM 79B 1	72-F-1183	610	770		5
SCM 79C 1	72-F-1184	3400	6600		35
SCM 80A 1	72-F-1185	620	1620		10
SCM 80B 1	72-F-1186	220	540		5
SCM 80C 1	72-F-1187	1.8%	2.4%	25	110

METHODS:

Pb, Zn, Ag by G.R.C. No. 101
Cd by G.R.C. No. 107

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Chief Chemist

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003160 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1054/1 SAMPLE TYPE: RC CK DATE: 27th July, 1972.

SAMPLE No.	LAB. No.	Pb %	Ag ppm	Zn %	Cd ppm
SCM 152A 2	72-G-466	1.9	26	3.2	145
SCM 152B 2	72-G-467	1.58	25	4.6	290
SCM 152C 2	72-G-468	2.4	34	11.0	650
SCM 153A 1	72-G-469	0.55		1.9	110
SCM 153B 1.5	72-G-470	0.46		1.9	110
SCM 153C 1.5	72-G-471	1.45	24	2.8	155
SCM 153D 1.5	72-G-472	11.1	135	23.0	1520
SCM 153E 1.5	72-G-473	0.9		2.5	140
SCM 154A 2	72-G-474	2.0	27	6.6	370
SCM 154B 2	72-G-475	6.1	50	32.5	2050
SCM 154C 1	72-G-476	6.5	86	19.0	1450
SCM 154D 1.5	72-G-477	4.2	90	3.8	190
SCM 155A 2	72-G-478	2.0	13	12.4	650
SCM 155B 2	72-G-479	7.2	74	31.5	1800
SCM 155C 2	72-G-480	4.3	100	3.2	200
SCM 155D 2	72-G-481	7.9	86	12.8	700
SCM 155E 2	72-G-482	3.7	82	7.5	420
SCM 156A 2	72-G-483	2.5	68	10.0	450
SCM 156B 2	72-G-484	2.1	32	13.4	680
SCM 156C 2	72-G-485	5.6	103	21.8	1150
SCM 156D 2	72-G-486	4.8	50	20.0	1380
SCM 160A 2	72-G-487	2.1	38	2.5	145
SCM 160B 2	72-G-488	2.9	65	4.4	260
SCM 160C 2	72-G-489	6.1	98	26.6	1700
SCM 160D 1	72-G-490	11.6	178	15.2	950
SCM 160E 2	72-G-491	1.11	28	2.7	90
SCM 163A 1	72-G-492	1.47	37	2.4	120
SCM 163B 2	72-G-493	1.56	40	1.52	80
SCM 163C 2	72-G-494	2.7	77	27.6	1480
SCM 163D 1	72-G-495	5.9	330	25.8	1400
SCM 163E 2	72-G-496	1.70	42	4.5	200
SCM 164A 2	72-G-497	8.1	216	23.0	1520
SCM 164B 2	72-G-498	8.8	280	28.6	1850
SCM 164C 2	72-G-499	7.2	310	30.0	2050
SCM 164D 2	72-G-500	2.2	62	1.42	80
SCM 165A 2	72-G-501	1.52	43	6.2	340
SCM 165B 2	72-G-502	1.63	78	13.0	750
SCM 165C 2	72-G-503	2.7	210	16.5	1050
SCM 165E 2	72-G-504	1.9	115	5.3	320
SCM 165E 2	72-G-505	1.02	32	1.27	65

METHODS:

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003158 PROJECT No.: EL.7/68 - GREAT SOUTH COMET MINE

LAB. SHEET No.: 1054/1 SAMPLE TYPE: ROCK DATE: 27th July, 1972.

SAMPLE No.	LAB. No.	Pb %	Ag ppm	Zn %	Cd ppm				
SCM 106A 1.5	72-G-389	0.65		1.56	75				
SCM 106B 1	72-G-390	0.48		1.47	80				
SCM 106C 2	72-G-391	1.50	13	2.62	130				
SCM 108A 1.5	72-G-392	0.24		1.31	110				
SCM 108B 1	72-G-393	2.5	15	3.8	215				
SCM 108C 2	72-G-394	0.60		3.05	135				
SCM 110A 2	72-G-395	0.52		1.73	90				
SCM 110B 1.5	72-G-396	0.73		2.2	115				
SCM 110C 1.5	72-G-397	0.30		1.60	80				
SCM 111A 2	72-G-398	2.3	16	10.8	800				
SCM 111B 2	72-G-399	0.48		1.70	80				
SCM 111C 2	72-G-400	0.49		0.98	50				
SCM 113A 2	72-G-401	5.05	22	23.6	1500				
SCM 113B 2	72-G-402	0.65		4.5	215				
SCM 114A 2	72-G-403	5.4	42	32.5	2380				
SCM 114B 1.	72-G-404	1.40	38	13.1	800				
SCM 114C 1.5	72-G-405	1.60	30	5.4	295				
SCM 115A 2	72-G-406	6.7	58	21.5	770				
SCM 115B 2	72-G-407	1.76	18	6.8	420				
SCM 115C 1.5	72-G-408	1.80	22	4.9	255				
SCM 116A 1.5	72-G-409	0.51		0.76	40				
SCM 116B 2	72-G-410	3.6	36	13.2	1090				
SCM 116C 1	72-G-411	2.32	57	11.8	740				
SCM 116D 1.5	72-G-412	3.9	94	7.7	450				
SCM 117A 2	72-G-413	0.62		2.15	115				
SCM 117B 2	72-G-414	1.67	17	3.8	195				
SCM 117C 2	72-G-415	2.86	37	5.4	280				
SCM 118A 2	72-G-416	0.30		0.62	30				
SCM 118B 1.5	72-G-417	2.13	23	5.6	265				
SCM 118C 1.5	72-G-418	0.70		2.08	100				
SCM 120A 1.5	72-G-419	3.22	78	9.5	530				
SCM 120B 1.5	72-G-420	1.86	20	2.28	100				
SCM 120C 1	72-G-421	0.93		0.67	35				
SCM 121A 1	72-G-422	0.89		3.7	190				
SCM 121B 1.5	72-G-423	3.65	54	4.1	220				
SCM 121C 1.5	72-G-424	0.82		3.4	160				
SCM 121D 1	72-G-425	0.20		0.59	30				
SCM 122A 1	72-G-426	4.78	82	9.0	580				
SCM 122B 1	72-G-427	1.80	16	8.0	430				
SCM 122C 1.5	72-G-428	0.48		2.3	105				

METHODS:

Pb, Zn, Ag by G.R.C. No. 101
Cd by G.R.C. No. 107

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003159 PROJECT No.: EL.7/68 - GREAT SOUTH COMET MINE

LAB. SHEET No.: 1054/3 SAMPLE TYPE: ROCK DATE: 27th July, 1972.

SAMPLE No.	LAB. No.	Pb %	Ag ppm	Zn %	Cd ppm
SCM 130A 1	72-G-429	4.7	86	10.2	750
SCM 135A 2	72-G-430	1.55	26	1.94	110
SCM 135B 2	72-G-431	3.2	74	3.6	170
SCM 135C 2	72-G-432	4.8	134	2.6	130
SCM 135D 2	72-G-433	11.1	275	3.0	160
SCM 135E 1	72-G-434	6.2	164	0.70	40
SCM 139A 1	72-G-435	0.78		3.3	165
SCM 139B 1.5	72-G-436	0.40		2.6	130
SCM 139C 2	72-G-437	5.8	56	5.3	285
SCM 139D 2	72-G-438	5.3	125	4.1	200
SCM 139E 1	72-G-439	1.40	25	1.65	85
SCM 139F 1	72-G-440	0.83		2.5	120
SCM 141A 1	72-G-441	3.1	76	3.4	175
SCM 141B 1	72-G-442	1.70	30	2.3	115
SCM 141C 1	72-G-443	1.94	11	2.3	125
SCM 142A 1.5	72-G-444	1.80	28	2.9	150
SCM 142B 1	72-G-445	2.04	30	3.6	190
SCM 143A 1	72-G-446	0.60		1.46	65
SCM 143B 1.5	72-G-447	0.57		1.70	90
SCM 143C 1	72-G-448	0.95		3.5	160
SCM 144A 1	72-G-449	0.15		1.27	55
SCM 144B 1	72-G-450	0.51		0.74	45
SCM 145A 1	72-G-451	0.44		1.15	55
SCM 145B 1	72-G-452	0.25		1.80	45
SCM 145C 1	72-G-453	1.10	14	3.6	185
SCM 146A 1.5	72-G-454	0.74		1.63	65
SCM 146B 1.5	72-G-455	0.48		2.4	125
SCM 146C 1	72-G-456	0.25		1.92	100
SCM 147A 2	72-G-457	0.40		1.48	80
SCM 147B 2	72-G-458	2.7	48	9.8	540
SCM 148A 1	72-G-459	0.16		3.3	190
SCM 148B 1	72-G-460	0.93	5.2	295	
SCM 148C 1.5	72-G-461	2.84	12	7.4	490
SCM 149A 1.5	72-G-462	0.36		1.86	100
SCM 149B 1.5	72-G-463	0.47		2.8	145
SCM 150A 1	72-G-464	1.16		4.1	215
SCM 150B 1.5	72-G-465	1.40	17	4.3	220

METHODS:

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007949 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1056/1 SAMPLE TYPE: ROCK DATE: 25th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm
SCM 95 A1	72-G-306	5.0%	13.1%	15	650
SCM 95 B1	72-G-307	0.56%	9.9%		560
SCM 95 C1	72-G-308	2.55%	7.6%	23	435
SCM 96 A1	72-G-309	1.86%	11.7%	44	640
SCM 96 B1	72-G-310	1.38%	7.4%	22	350
SCM 96 C2	72-G-311	0.62%	11.9%	18	660
SCM 98 A1.5	72-G-312	0.31%	4.55%	10	225
SCM 98 B1.5	72-G-313	0.58%	4.1%	13	275
SCM 98 C1.5	72-G-314	2.1%	5.8%	23	325
SCM 98 D1.5	72-G-315	3.2%	9.4%	26	520
SCM 98 E1.5	72-G-316	0.97%	2.55%		145
SCM 101A 1	72-G-317	1.58%	6.3%	22	325
SCM 101B 1	72-G-318	1700	0.6%		
SCM 101C 2.5	72-G-319	0.44%	0.85%		
SCM 101A 1	72-G-320	2.85%	5.9%	16	295
SCM 102B 2	72-G-321	0.50%	2.4%		120
SCM 102C 2	72-G-322	0.77%	2.8%		155
SCM 103A1.5	72-G-323	0.36%	800		
SCM 103B 2	72-G-324	3.8%	6.4%	23	365
SCM 103C 2	72-G-325	.50%	1.5%		85

METHODS:

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Pb, Zn, Ag by G.R.C. No. 101
Cd by G.R.C. No. 107

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007950 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1056/2 SAMPLE TYPE: ROCK DATE: 25th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
SCM 28A	72-G-326	0.33%	0.25%						
SCM 28B	72-G-327	0.45%	0.20%						
SCM 28C	72-G-328	0.29%	0.70%						
SCM 46A 2	72-G-329	1200	3.4%		185				
SCM 46B 2	72-G-330	0.28%	1.65%		95				
SCM 46C 2	72-G-331	0.57%	1.8%	11	95				
SCM 46D	72-G-332	1450	1550						
SCM 46E	72-G-333	0.25%	1950						
SCM 47A 2	72-G-334	0.45%	5.2%	15	290				
SCM 47B 2	72-G-335	0.30%	3.0%	10	180				
SCM 47C 1	72-G-336	500	3.3%		160				
SCM 48A 2	72-G-337	0.31%	1.35%	10	75				
SCM 48B 2	72-G-338	0.51%	0.68%	10					
SCM 48C 1	72-G-339	0.43%	1.4%		85				
SCM 52A 1	72-G-340	2.55%	1.1%	64	65				
SCM 52B	72-G-341	0.27%	0.35%						
SCM 52C	72-G-342	0.27%	0.27%						
SCM 56A 1	72-G-343	0.43%	0.35%						
SCM 56B 1	72-G-344	1.86%	12.3%	64	580				
SCM 56C 1	72-G-345	3.7%	13.1%	77	630				
SCM 63A 1	72-G-346	0.69%	0.68%	12					
SCM 63B 1	72-G-347	0.89%	2.9%	22	175				
SCM 63C 1.5	72-G-348	0.43%	2.7%	14	170				
SCM 63D 1	72-G-349	3.7%	8.7%	61	380				
SCM 63E 1	72-G-350	0.74%	3.25%	20	170				
SCM 82A 1	72-G-351	600	1600						
SCM 82B 1	72-G-352	0.51%	0.75%						
SCM 82C 1	72-G-353	0.92%	1.65%	16	90				
SCM 83A 1	72-G-354	0.43%	2.0%						
SCM 83B 2	72-G-355	0.84%	4.4%	18	205				
SCM 83C 1.5	72-G-356	1.26%	3.45%	22	195				
SCM 84A 2	72-G-357	0.23%	1.2%		70				
SCM 84B 2	72-G-358	1.63%	3.3%	28	170				
SCM 84C 2	72-G-359	0.50%	2.0%	10	110				
SCM 85A 1.5	72-G-360	0.74%	3.75%	18	205				
SCM 85B 1	72-G-361	0.85%	4.45%	18	245				
SCM 85C 1	72-G-362	1350	2.1%		100				
SCM 88A 1	72-G-363	0.23%	5.2%	12	270				
SCM 88B 1	72-G-364	0.30%	3.2%	10	160				
SCM 88C 1	72-G-365	0.56%	1.5%	12	80				
SCM 92A 1	72-G-366	2.7%	10.1%	48	490				
SCM 92B 1.5	72-G-367	1.62%	9.0%	26	480				
SCM 92C 1.5	72-G-368	1900	0.90%						
SCM 93A 1	72-G-369	2.95%	10.1%	40	550				
SCM 93B 1.5	72-G-370	1.16%	12.9%	32	660				
SCM 93C 1	72-G-371	3.9%	2.3%	42	135				

METHODS:

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Chief Chemist

Ray W. Gerlach

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007950 PROJECT No.: EL.7/68 - DUNDAS GREAT SOUTH COMET MINE

LAB. SHEET No.: 1056/3 SAMPLE TYPE: ROCK DATE: 25th July, 1972.

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
SCM 94A 1	72-G-372	2.1%	0.1%	32	520				
SCM 94B 1	72-G-373	0.62%	6.0%	14	300				
SCM 94C 1	72-G-374	1.45%	1.5%	18	90				

METHODS:

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Chief Chemist

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007410 PROJECT No.: EL.7/68 - DUNDAS - DDH.MZN.3

LAB. SHEET No.: 1291/1 SAMPLE TYPE: DDH.CORE DATE: 27th March, 1973

SAMPLE No.	LAB. No.	Cu	Sn % Geochem	Sn % Assay
METRES				
44.95-46.45	73-C-1046	110	0.04%	305
46.8 -48.3	73-C-1047	340	0.06%	855

METHODS: Cu by G.R.C. NO. 101
Sn by G.R.C. NO. 5 & G.R.C. NO. 105

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007431 PROJECT No.: EL.7/68 - DUNDAS - MZN.DDH.4

LAB. SHEET No.: 1312/1 SAMPLE TYPE: DDH.CORE DATE: 12th April, 1973

SAMPLE No.	LAB. No.	Cu ppm	Ag ppm	Sn %
METRES				
24 - 25	73-D-602	25	2	0.03
25 - 26	73-D-603	30	1	0.03
26 - 27	73-D-604	10	2	0.02
27 - 27.20	73-D-605	10	1	0.03
28.56- 29	73-D-606	15	2	0.04
29 - 31	73-D-607	20	2	0.02
65 - 66	73-D-608	110	10	0.03
66 - 67	73-D-609	820	25	0.03
67 - 68.55	73-D-610	85	5	0.03
69.83- 71	73-D-611	150	60	0.03
71 - 73	73-D-612	135	45	0.03
127 - 128	73-D-613	10	3	0.03
128 - 129	73-D-614	15	1	0.03
129 - 130	73-D-615	20	1	0.03
130 - 132	73-D-616	10	1	0.03
136 - 137	73-D-617	10	1	0.03

METHODS: Cu, Ag by GRC NO. 1
Sn by GRC NO. 6

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007432 PROJECT No.: EL.7/68 - DUNDAS - MZN.DDH.4

LAB. SHEET No.: 1314/1 SAMPLE TYPE: DDH.CORE DATE: 16th April, 1973

SAMPLE No.	LAB. No.	Cu ppm	Ag ppm	Sn %
METRES				
63.4 -64.10	73-D-618	1350	65	BLD
64.01-64.62	73-D-619	900	59	0.03
64.62-65.23	73-D-620	50	10	0.02

METHODS: Cu, Ag by CRC NO. 1
Sn by CRC NO. 5

BLD = Below limit of detection

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007407 PROJECT No.: EL.7/68 - DDH.MNZ.4

LAB. SHEET No.: 1278/1 SAMPLE TYPE: CORE DATE: 14th March, 1973

SAMPLE No.	LAB. No.	Cu ppm	Pb %	Zn ppm	Ag ppm	Bi ppm	Sn %	Sb ppm	
METRES									
27.20- 28.56	73-C-710						0.1		
68.55- 69.83	73-C-711		0.78	325	38	30		300	
76.44- 77.58	73-C-712	220	2.3	2.2%	76			BLD	
84.43- 85.22	73-C-713		0.70	1.60%	22				
122.23-123.40	73-C-714		0.64	400	325	240	0.4		

METHODS: Cu, Pb, Zn, Ag by G.R.C. NO. 101
Bi by G.R.C.NO. 102 - Sn by G.R.C. NO. 5
Sb by G.R.C. NO.108

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Chief Chemist Ray W. Godfrey

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 002628 PROJECT No.: EL.7/68 - MZN.4-5

LAB. SHEET No.: 1304/1 SAMPLE TYPE: CORE DATE: 12th April, 1973

SAMPLE No.	LAB. No.	Cu ppm	Sn %	Au ppm
1	73-C-710	25		
2	73-C-711	270	0.06	
3	73-C-712		0.02	
4	73-C-713	130	0.03	
5	73-C-714	0.30%		
1	73-C-715		0.02	
2	73-C-716	75		
3	73-C-717	400		
4	73-C-718	1040		
6	73-C-720	1000		BLD
8	73-C-722	80		BLD
9	73-C-723	75		
10	73-C-724	330		
11	73-C-725	255		

METHODS: Cu by GRC NO. 1
Sn by GRC NO. 5
Au by GRC NO. 122

REFER LAB SHEETS 1278/1
1285/1

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 002616 PROJECT No.: EL.7/68 - DUNDAS - MONTEZUMA NORTH DDH.4

LAB. SHEET No.: 1292/1 SAMPLE TYPE: DDH.CORE DATE: 27th March, 1973

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm	Bi ppm	Sn GEO. %	Sn ASSAY ppm
METRES									
113 -114	73-C-1031	40	1250	545	7	100	20	0.02	100
114 -115	73-C-1032	450	0.34%	290	13	100	10	BLD	75
115 -116	73-C-1033	20	500	305	3	BLD	10	0.02	75
116 -117	73-C-1034	15	220	65	2	100	15	0.06	200
117 -118	73-C-1035	25	155	245	3	100	BLD	0.04	75
118 -119	73-C-1036	45	1550	1400	6	100	BLD	0.04	285
119 -120	73-C-1037	45	1050	495	5	100	10	0.04	75
120 -121	73-C-1038	450	0.23%	380	12	150	10	0.03	235
121 -122	73-C-1039	20	140	60	6	100	15	0.03	210
122 -122.23	73-C-1040	10	90	40	3	BLD	10	0.03	265
122.23-123	73-C-1041	200	345	105	75	250	20	0.090	.22%
123 -124	73-C-1042	45	250	140	14	100	20	0.080	.12%
124 -125	73-C-1043	460	440	175	100	350	45	0.080	.09%
125 -126	73-C-1044	1175	1900	130	150	1350	125	0.390	.71%
126 -127	73-C-1045	10500	.22%	125	125	1350	115	0.320	.69%

Frank,

Note different results obtained for Sn by Geochem & Assay techniques. From these results and our experience it would appear the cut-off point is approximately 0.05% Sn, i.e. Geochem determinations with samples from EL.7/68 whose results are >0.05% must be considered suspect, i.e. will read low. The assay method will give the correct result.

Ray

METHODS: Cu, Pb, Zn, Ag by G.R.C. NO. 101
Bi by G.R.C. NO. 102
Sb by G.R.C. NO. 108
Sn by G.R.C. NO. 5 & G.R.C. NO. 105
BLD = Below limit of detection

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Ray W. Gerlach

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GEOCHEMICAL LABORATORY · REPORT

FIELD SHEET No.: 007430 PROJECT No.: EL.7/68 - MZN - DDH.5

LAB. SHEET No.: 1307/1 SAMPLE TYPE: DDH.CORE DATE: 12th April, 1973

SAMPLE No.	LAB. No.	Cu ppm	Ag ppm	Sn %					
33'- 38'	73-D-538	40	2	0.03					
163'-168'	73-D-539	35	2	0.03					
192'-197'	73-D-540	55	2	0.02					
214'-216'	73-D-541	70	5	0.02					
216'-218'	73-D-542	50	2	0.04					
218'-219'	73-D-543	20	2	0.02					
219'-220'3"	73-D-544	60	3	0.03					
235'-240'	73-D-545	30	2	0.02					
315'-320'	73-D-546	10	8	0.03					
400'-405'	73-D-547	35	2	0.02					
420'-425'	73-D-548	20	2	0.02					

METHODS:
Cu, Ag by GRC NO. 1
Sn by GRC NO. 5

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Chief Chemist

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007408 PROJECT No.: EL.7/68 - DUNDAS - (DDH.MNZ # 5)

LAB. SHEET No.: 1285/1 SAMPLE TYPE: CORE DATE: 19th March, 1973

Recd 26/3

SAMPLE No.	LAB. No.	Cu ppm	Pb %	Zn %	Ag ppm	Bi ppm	As %	Sn ppm	Sb %
83'3- 88'0	73-C-715		0.30	1.20	15				
220'3-221'3	73-C-716		285 ppm	330 ppm	7				
221'3-222'2	73-C-717		0.32	270 ppm	25				
222'2-223'0	73-C-718		0.22	0.20	72		1.85		2.2
223'0-223'9	73-C-719	0.29%	0.58	0.60	78				3.6
223'9-224'6	73-C-720		0.34	1950 ppm	30	210	6.2		2.2
224'6-225'5	73-C-721	1100	0.45	1250 ppm	33			BLD	1.55
225'5-226'6	73-C-722		0.58	240 ppm	60		7.3		1.05
226'0-226'9	73-C-723		0.22	470 ppm	33	100			2.0
226'9-227'7	73-C-724		0.63	480 ppm	62		2.1	BLD	3.75
227'7-229'0	73-C-725		0.26	580 ppm	23				

DEPTH	SAMPLE NOS.	* Sn ppm
220'3-223'0	2-3-4	0.20%
223'0-226'6	5-6-7-8	1200ppm
226'0-229'0	9-10-11	1100ppm

NOTE: Recheck on DDH MNZ 4

		* Sn ppm	%
122.23-123.40	73-C-714	0.88	

METHODS: Cu, Pb, Zn, Ag by G.R.C. NO. 101
Bi by G.R.C.NO. 102
As by G.R.C. NO.103
Sn by G.R.C. NO. 5 & G.R.C. NO. 105 *
Sb by G.R.C. NO. 108

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Chief Chemist

Roy W. Godfrey

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007423 PROJECT No.: EL.7/68 - DUNDAS - DDH.MZN.6

LAB. SHEET No.: 1294/1 SAMPLE TYPE: CORE DATE: 3rd April, 1973

SAMPLE No.	LAB. No.	Cu ppm	Sn %
233'2-238'2	73-D-1	110	0.04
238'2-243'2	73-D-2	170	0.03
328'2-333'2	73-D-3	95	0.03
215' - 217'	73-D-4	80	0.06
217' - 218'	73-D-5	1225	0.04
218' - 220'	73-D-6	140	0.03
349'8-354'8	73-D-7	60	0.06
* 381'4-382'10	73-D-8	75	0.24
382'10-384'10	73-D-9	45	0.09
384'10-386'4	73-D-10	140	0.08
162'6-166'6	73-D-11	50	0.03
119'5-119'9	73-D-12	20	0.03

* This sample if assayed would probably yield a Sn value of approx 0.5%.

METHODS: Cu by G.R.C. NO. 1
Sn by G.R.C. NO. 5

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Chief Chemist

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003166 PROJECT No.: EL.7/68 - DUNDAS (K.H.-20, S.C.14)

LAB. SHEET No.: 1169/1 SAMPLE TYPE: DDH. CORE DATE: 14th November, 1972

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm
K.H. - 20				
43.8 - 44.8	72-L-187	550	430	
44.8 - 45.55	72-L-188	1.15%	1200	14
S.C. - 14				
42.2 - 42.8	72-L-189	3.4 %	9.5 %	60
42.8 - 43.85	72-L-190	360	980	
43.85- 44.6	72-L-191	17.9%	6.2 %	470
44.6 - 45.6	72-L-192	0.25%	550	
45.6 - 47.0	72-L-193	0.24%	800	
104.7 -105.75	72-L-194	80	370	
105.75-107.9	72-L-195	1800	0.45%	
107.9 -108.9	72-L-196	0.27%	0.62%	
131.45-132.45	72-L-197	0.54%	0.38%	
132.45-133.45	72-L-198	2.8 %	3.5 %	100
133.45-134.45	72-L-199	870	920	
156.87-157.87	72-L-200	880	0.30%	
157.87-158.87	72-L-201	0.46%	3.6 %	
158.87-159.03	72-L-202	8.5 %	45.5%	40
159.03-160.03	72-L-203	120	500	
168.1 -169.1	72-L-204	570	1600	
169.1 -169.45	72-L-205	1.20%	1250	18
169.45-170.1	72-L-206	600	650	

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003167 PROJECT No.: EL.7/68 – BATCH 7L K.H. 21

LAB. SHEET No.: 1175/1 SAMPLE TYPE: CORE DATE: 17th November, 1972

SAMPLE No.	LAB. No.	Pb %	Zn %	Ag ppm	Sb ppm
DEPTH-METRES					
20.4 – 21.3	72-L-317	0.09	0.17		100
21.3 – 22.3	72-L-318	0.33	0.68		200
22.3 – 23.1	72-L-319	1.80	1.20	45	300
102.8 – 103.8	72-L-320	2.30	0.07	43	
103.8 – 104.5	72-L-321	2.60	0.23	30	
104.5 – 105.6	72-L-322	1.10	0.06	21	
105.6 – 106.7	72-L-323	12.0	0.56	120	
106.7 – 107.2	72-L-324	0.68	0.98		
107.2 – 108.5	72-L-325	0.03	0.06		

METHODS: Pb, Zn, & Ag by G.R.C. NO. 101
Sb by G.R.C. NO. 108

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Chief Chemist

Ray W. Berkyou

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003168 PROJECT No.: EL.7/68 - BATCH 7L - K. H. 21

LAB. SHEET No.: 1175/2 SAMPLE TYPE: CORE DATE: 17th November, 1972

SAMPLE No.	LAB. No.	Pb %	Zn %	Ag ppm					
DEPTH-METRES									
14.0 - 14.5	72-L-326	1.0	0.10	8					
14.5 - 15.0	72-L-327	1.0	0.66	10					
15.0 - 15.5	72-L-328	0.30	1.10						
15.5 - 16.0	72-L-329	0.06	0.11						
16.0 - 16.5	72-L-330	1.90	1.70	26					
16.5 - 17.0	72-L-331	0.36	0.13						
26.0 - 26.5	72-L-332	0.09	0.11						
26.5 - 27.0	72-L-333	1.30	6.40	20					
27.0 - 27.5	72-L-334	0.01	0.04						

METHODS: Pb, Zn & Ag by G.R.C. NO. 101

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Chief Chemist

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003185 PROJECT No.: EL.7/68 - DUNDAS - KH.23

LAB. SHEET No.: 1251/1 SAMPLE TYPE: DDH.CORE DATE: 23rd February, 1973

SAMPLE No.	LAB. No.	Pb %	Zn %	Ag ppm					
125.4 -126.23	73-B-833	1.4	2.2	25					
126.23-126.9	73-B-834	0.21	0.24	10					

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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Chief Chemist Ray W. Yerbury

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003170 PROJECT No.: EL.7/68 - DUNDAS - DDH.SC12

LAB. SHEET No.: 1218/1 SAMPLE TYPE: DDH.CORE DATE: 19th January, 1973

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm	Cd ppm				
148M -149M	73-A-283	0.58%	0.76%	12	40				
149 -149.50	73-A-284	1.14%	0.82%	22	40				
149.50-150	73-A-285	1.32%	1.50%	24	75				
150 -150.50	73-A-286	0.37%	3.05%		150				
150.50-150.70	73-A-287	1.65%	4.50%	30	230				
150.70-151	73-A-288	0.25%	0.40%						
151 -152	73-A-289	690	760						
152 -153	73-A-290	0.38%	1.62%		90				
153 -153.30	73-A-291	3.0%	0.44%	58					
153.30-153.80	73-A-292	0.29%	0.58%		20				
155.23-155.73	73-A-293	1.90%	20.0%	45	950				
155.73-156.73	73-A-294	0.42%	1.00%		50				

METHODS: Pb, An, Ag by G.R.C. NO. 101
Cd by G.R.C. NO. 107

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Chief Chemist Ray W. Yerbury

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003166 PROJECT No.: EL.7/68 - DUNDAS (K.H.-20,S.C.14)

LAB. SHEET No.: 1169/1 SAMPLE TYPE: ODH. CORE DATE: 14th November, 1972

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm
K.H. - 20				
43.8 - 44.8	72-L-187	550	430	
44.8 - 45.55	72-L-188	1.15%	1200	14
S.C. - 14				
42.2 - 42.8	72-L-189	3.4 %	9.5 %	60
42.8 - 43.85	72-L-190	360	980	
43.85- 44.6	72-L-191	17.9%	6.2 %	470
44.6 - 45.6	72-L-192	0.25%	550	
45.6 - 47.0	72-L-193	0.24%	800	
104.7 -105.75	72-L-194	80	370	
105.75-107.9	72-L-195	1800	0.45%	
107.9 -108.9	72-L-196	0.27%	0.62%	
131.45-132.45	72-L-197	0.54%	0.38%	
132.45-133.45	72-L-198	2.8 %	3.5 %	100
133.45-134.45	72-L-199	870	920	
156.87-157.87	72-L-200	880	0.30%	
157.87-158.87	72-L-201	0.46%	3.6 %	
158.87-159.03	72-L-202	8.5 %	45.5%	40
159.03-160.03	72-L-203	120	500	
168.1 -169.1	72-L-204	570	1600	
169.1 -169.45	72-L-205	1.20%	1250	18
169.45-170.1	72-L-206	600	650	

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003172 PROJECT No.: EL.7/68 - DUNDAS - DDH.SC.14

LAB. SHEET No.: 1237/1 SAMPLE TYPE: DDH.CORE DATE: 6th February, 1973

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm
47 -50 m	73-B-42	1,700	780	
50 -53 m	73-B-43	1,650	820	
53 -53.6m	73-B-44	1,250	0.24%	
53.6-54.1m	73-B-45	26.0%	0.70%	860
54.1-54.6m	73-B-46	6.1%	1.25%	135
54.6-55.2m	73-B-47	9.0%	2.6 %	320
55.2-55.7m	73-B-48	0.62%	0.80%	20
55.7-58.7m	73-B-49	0.24%	0.48%	

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003173 PROJECT No.: EL.7/68 - DDH.SC.15

LAB. SHEET No.: 1258/1 SAMPLE TYPE: DDH.CORE DATE: 23rd February, 1973

SAMPLE No. METRES	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm
0 - 2	73-B-835	20	680	310	2	3.7	295
2 - 5	73-B-836	60	8600.21%		2	15.0	1.63%
5 - 8	73-B-837	24	1350	150	3	2.3	250
8 - 11	73-B-838	20	840	110	2	1.80	170
11 - 12	73-B-839	30	1500	190	2	2.5	800
12 - 13	73-B-840	30	720	505	BLD	1.65	1250
13 - 14	73-B-841	50	1100	240	BLD	4.2	1500
14 - 15	73-B-842	10	1500	90	BLD	2.7	30
15 - 16	73-B-843	20	1650	535	1	0.75	90
16 - 17	73-B-844	10	210	80	2	0.45	575
17 - 18	73-B-845	30	255	85	2	2.30	0.52%
18 - 19	73-B-846	10	160	30	BLD	1.90	1700
19 - 19.5	73-B-847	10	170	345	BLD	2.30	0.40%
19.5 - 20.0	73-B-848	400	0.23%	1950	2	1.40	0.39%
20.0 - 20.5	73-B-849	10	590	80	1	1.800	0.34%
20.5 - 21.0	73-B-850	100	0.68%	780	4	2.850	0.72%
21.0 - 21.5	73-B-851	200	0.76%	940	6	3.00	0.75%
21.5 - 22.0	73-B-852	300	0.80%	0.41%	8	1.650	0.41%
22.0 - 22.5	73-B-853	400	0.56%	1.4%	8	2.20	0.65%
22.5 - 23.0	73-B-854	700	0.56%	1.75%	13	2.050	0.61%
23.0 - 23.5	73-B-855	200	0.22%	800	6	1.250	0.55%
23.5 - 24.0	73-B-856	20	17500	0.38%	4	3.31	0.26%
24.0 - 24.5	73-B-857	500	0.27%	0.33%	10	11.5	5.4%
24.5 - 25.0	73-B-858	10	430	180	5	1.95	1.10%
93 - 94	73-B-859	15	50	70	BLD	2.5	620
94 - 95	73-B-860	20	40	50	BLD	3.3	570
95 - 96	73-B-861	20	30	50	BLD	3.2	500
96 - 97	73-B-862	25	130	210	BLD	3.20	0.23%
97 - 98	73-B-863	10	25	30	BLD	1.90	355
98 - 99	73-B-864	10	140	35	BLD	2.6	340

METHODS: Cu, Pb, Zn & Ag by G.R.C. NO. 1
Mn by G.R.C. NO. 9
Fe by G.R.C. NO. 10

BLD = Below limit of detection

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003173 PROJECT No.: EL.7/68 - DDH.SC.15

LAB. SHEET No.: 1258/2 SAMPLE TYPE: DDH.CORE DATE: 23rd February, 1973

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm
99.5 -100.0	73-B-865	10	220	700	BLD	1.60	900
100.5-101.0	73-B-866	10	30	30	BLD	1.50	225
101.5-102.0	73-B-867	200	.84%	0.43%	11	1.40	750
102.5-103.0	73-B-868	300	.30%	0.68%	3	2.4	1150
103.5-104.0	73-B-869	15	70	50	BLD	2.6	800
104.5-105.0	73-B-870	400	.64%	0.90%	6	0.23	35
105.5-106.0	73-B-871	10	180	465	BLD	2.40	.24%
106.5-107.0	73-B-872	500	.90%	7.4%	14	1.52	1950
107.5-108.0	73-B-873	15	100	495	BLD	1.94	1775
108.5-109.0	73-B-874	15	410	840	BLD	2.5	0.27%
109.5-110.0	73-B-875	15	40	50	BLD	2.2	410
100.0-100.5	73-B-876	5	20	40	BLD	1.85	270
101.0-101.5	73-B-877	10	20	40	BLD	1.95	295
102.0-102.5	73-B-878	40	1.70%	1.75%	24	0.24	140
103.0-103.5	73-B-879	20	120	110	BLD	3.85	820
104.0-104.5	73-B-880	25	85	60	BLD	3.95	0.22%
105.0-105.5	73-B-881	150	.23%	185	3	1.45	0.20%
106.0-106.5	73-B-882	10	960	130	2	2.0	1150
107.0-107.5	73-B-883	5	1000	175	2	1.90	0.29%
110 - 111	73-B-884	20	70	150	3	3.5	975
111 - 112	73-B-885	20	185	180	2	2.5	1950
112 - 113	73-B-886	20	590	200	2	2.40	.26%
113 - 114	73-B-887	30	100	70	2	3.7	1500
114 - 115	73-B-888	10	230	70	2	4.40	.43%
115 - 116	73-B-889	20	185	310	1	3.00	.27%
116 - 117	73-B-890	20	100	150	1	2.8	1250
117 - 119	73-B-891	20	50	50	BLD	2.4	540
119 - 122	73-B-892	40	120	170	BLD	2.4	1280
122 - 125	73-B-893	40	35	60	BLD	1.70	575
125 - 128	73-B-894	50	30	70	BLD	2.2	700

METHODS:

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003183 PROJECT No.: EL.7/68 - DUNDAS - DDH.SC.15

LAB. SHEET No.: 1258/23 SAMPLE TYPE: DDH.CORE DATE: 28th February, 1973

SAMPLE No.	LAB. No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm
128 - 131	73-B-895	50	110	55	1	1.05	570
131 - 134	73-B-896	90	100	50	1	1.60	1025
134 -136.8	73-B-897	45	175	80	BLD	1.10	620
25 - 26	73-B-898	20	240	50	4	1.28	0.35%
26 - 27	73-B-899	30	250	180	3	1.30	0.20%
27 - 28	73-B-900	30	120	80	2	1.55	930
28 - 29	73-B-901	20	295	170	2	1.15	1120
29 - 30	73-B-902	25	150	50	2	1.94	1200
30 - 31	73-B-903	20	30	70	BLD	2.9	850
31 - 32	73-B-904	30	110	160	1	0.75	1250
32 - 33	73-B-905	30	190	220	1	2.70	0.25%
33 - 36	73-B-906	30	415	315	1	1.50	1330
36 - 39	73-B-907	30	120	60	BLD	3.2	950
39 - 42	73-B-908	30	120	190	BLD	3.0	1650
42 - 45	73-B-909	10	130	50	1	2.5	1150
45 - 48	73-B-910	10	190	85	1	2.70	0.29%
48 - 51	73-B-911	50	140	80	2	2.0	1700
51 - 54	73-B-912	45	190	220	2	2.0	1480
54 - 57	73-B-913	60	120	45	2	1.75	840
57 - 60	73-B-914	25	90	205	BLD	2.4	700
60 - 63	73-B-915	20	25	30	BLD	2.4	380
63 - 66	73-B-916	20	100	160	BLD	2.8	1130
66 - 69	73-B-917	20	60	35	1	2.1	250
69 - 72	73-B-918	20	10	20	BLD	3.2	325
72 - 75	73-B-919	15	20	40	BLD	3.2	420
75 - 78	73-B-920	20	60	120	BLD	2.7	760
78 - 81	73-B-921	15	40	20	BLD	2.5	120
81 - 84	73-B-922	20	30	20	BLD	2.1	110
84 - 87	73-B-923	15	10	20	BLD	3.6	410
87 - 90	73-B-924	15	20	20	BLD	2.3	200

METHODS:

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611096 7/68 Ag

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003169 PROJECT No.: EL.7/68 - DDH.~~KH~~ S.C.17

LAB. SHEET No.: 1247/1 SAMPLE TYPE: CORE DATE: 20th February, 1973

SAMPLE No.	LAB. No.	Pb %	Pb Ave	Zn %	Zn Ave	Ag ppm	Ag Ave		
60 - 60.5M	73-B-469	0.52	0.52	3.4	3.4				
60 - 60.5	73-B-469	0.52		3.4					
60.5 - 61	73-B-470	0.42	0.42	1.5	1.5				
60.5 - 61	73-B-470	0.42		1.5					
61 - 61.5	73-B-471	0.60	0.60	1.25	1.25				
61 - 61.5	73-B-471	0.60		1.25					
61.5 - 62	73-B-472	0.96	0.96	7.1	7.2				
61.5 - 62	73-B-472	0.96		7.2					
62 - 62.5	73-B-473	2.9	3.0	10.3	10.4	92	92		
62 - 62.5	73-B-474	3.0		10.5		92			
62.5 - 63	73-B-474	1.35	1.40	0.35	0.35	52	52		
62.5 - 63	73-B-474	1.40		0.35		52			
63 - 63.5	73-B-475	2.7	2.7	2.3	2.4	92	92		
63 - 63.5	73-B-475	2.7		2.4		92			
63.5 - 64	73-B-476	0.82	0.82	0.28	0.28				
63.5 - 64	73-B-476	0.82		0.28					
96.5 - 97	73-B-477	0.88	0.90	0.40	0.42				
96.5 - 97	73-B-477	0.90		0.42					
97 - 97.5	73-B-478	3.6	3.6	0.18	0.18	120	120		
97 - 97.5	73-B-478	3.6		0.18		120			
97.5 - 98	73-B-479	3.2	3.2	2.2	2.2	76	78		
97.5 - 98	73-B-479	3.2		2.2		80			
85.5 - 86	73-B-480	1.15	1.15	0.74	0.74	46	48		
85.5 - 86	73-B-480	1.15		0.74		50			
86 - 86.5	73-B-481	1.3	1.3	0.38	0.38	48	47		
86 - 86.5	73-B-481	1.3		0.38		46			
86.5 - 87	73-B-482	1,400	1,400	660	660ppm				
86.5 - 87	73-B-482	1,400ppm		660ppm					

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003169 PROJECT No.: EL.7/68 DDH. ~~KH~~ SC .17

LAB. SHEET No.: 1247/1 SAMPLE TYPE: CORE DATE: 20th February, 1973

SAMPLE No.	LAB. No.	Pb %	Pb Ave	Zn %	Zn Ave	Ag ppm	Ag Ave	Sb ppm	
108 -108.5	73-B-483	12.6	12.6	2.0	2.0	430	425	350	
108 -108.5	73-B-483	12.6		2.0		420			
108.5-109	73-B-484	9.0	9.0	4.3	4.3	335	335	1850	
108.5-109	73-B-484	9.0		4.3		335			
109 -109.5	73-B-485	1400	1400	1250	1250			BLD	
109 -109.5	73-B-485	1400ppm		1250ppm					
109.5-110	73-B-486	0.32	0.32	0.23	0.23			BLD	
109.5-110	73-B-486	0.32		0.23					
210 -210.6	73-B-487	0.21	0.21	0.68	0.68				
210 -210.6	73-B-487	0.21		0.68					

METHODS: Pb, Zn, Ag by G.R.C. NO. 101
Sb by G.R.C. NO. 108

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003171 PROJECT No.: EL.7/68 - DUNDAS - DDH.SC.18

LAB. SHEET No.: 1222/1 SAMPLE TYPE: DDH.CORE DATE: 23rd January, 1973

SAMPLE No.	LAB. No.	Pb ppm	Zn ppm	Ag ppm
39.60-40.10	73-A-458	0.37%	0.41%	
40.10-40.60	73-A-459	0.37%	0.39%	
40.60-41.10	73-A-460	0.82%	0.64%	10
41.10-41.60	73-A-461	0.51%	0.39%	2
41.60-42.10	73-A-462	0.83%	3.0 %	4
42.10-42.60	73-A-463	0.23%	1700	
42.60-43.10	73-A-464	250	270	
43.10-43.60	73-A-465	0.21%	0.22%	
43.60-44.10	73-A-466	1.01%	0.96%	10
44.10-44.60	73-A-467	0.92%	1.17%	12
44.60-45.10	73-A-468	0.35%	0.40%	

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 003190 PROJECT No.: EL.7/68 - SOUTH COMET - DDH.SC.19

LAB. SHEET No.: 1260/1 SAMPLE TYPE: DDH.CORE DATE: 2nd March, 1973

SAMPLE No.	LAB. No.		Pb %		Zn %				
METRES									
217.9-218.1	73-B-1320		3.20		6.0				
233.1-233.8	73-B-1321		1.6		350	ppm			
234.2-235.1	73-B-1322		1.95		0.64%				
245.3-245.7	73-B-1323		1050	ppm	1.30%				

METHODS: Pb, Zn by G.R.C. NO. 101

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GEOCHEMICAL LABORATORY REPORT

FIELD SHEET No.: 007405 PROJECT No.: EL.7/68 - DUNDAS - S.C. 21

LAB. SHEET No.: 1264/1 SAMPLE TYPE: DDH.CORE DATE: 5th March, 1973

NO HOLE N° on FIELD SHEET ? (RW)

SAMPLE No.	LAB. No.	Pb %	Zn %	Ag ppm
METRES				
283.2-284.2	73-B-1397	0.68	0.58	10
279.2-280.6	73-B-1398	1.80	0.32	15
126.1-126.4	73-B-1399	6.9	13.5	170

METHODS: Pb, Zn, Ag by G.R.C. NO. 101

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APPENDIX V

DIAMOND DRILL RECORDS

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: DUNDAS E.L. 7/68 | Co-ords. Collar: S.C. Grid 36S+5W+90'S | Drill: LY-1

Hole No: SC-13 | Bearing: 78°T | Bit Size: NQ-BQ 90'

R.L. Site: 1175' ASL | Depression: 50° | Core Size:

Geologist: TURNER | Sampler: TURNER | Date Logged: 29/6/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0'	151'							SILTSTONE & SANDSTONE, medium to light grey, well laminated, frequent wavy laminations.
Rec 0'	27'	2'						Some intraformational breccia-conglomerates of siltstone fragments enclosed in sandstone
27'	57'	7"						
57'	65'	7'4"						Sandstone usually predominate, frequently micaceous, with beds up to 2' wide.
65'	67'	1'						
67'	71'	3'11"						
71'	76'	5'						Current bedding facing structures indicate beds are upright.
76'	77'	1'						
77'	87'	1'2"						
87'	97'	2'6"						Bedding 60° to c/a at 60', 30° to c/a at 90'; 40° to c/a at 125'; 65° to c/a at
97'	99'	1'						
99'	107'	8'						
107'	147'	100%						149'. From 97' - 99' a zone of moderate brecciation.
151'	166'							BRECCIA: siltstones and sandstones, medium to light grey, well laminated, frequently
Rec 147'	151'	2'10						wavy. Scattered cream CO_3 veining containing
151'	153'	1'7"						rhythmically zoned, disseminations of brown
153'	157'	3'7"						to black sphalerite and very minor galena.
157'	167'	10'						Some cream CO_3 veins contain both sphalerite
167'	177'	10'						
								and pale green talc cores. Mineralization at approx 25° - 30° to c/a. Sampled
								151' - 165' at 2' intervals.
166'	202'6"							SILTSTONES AND SANDSTONES: medium light grey, well laminated, frequent wavy
Rec 177'	187'							laminations, Sandstone becoming more
187'	207'	100%						dominant. Bedding 50° to c/a at 175'.

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GEOPHOTO RESOURCES CONSULTANTS 611103

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: Drill: LY-1

Hole No: SC-13 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: TURNER Sampler: Date Logged:

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					Occasional thin cream CO_3 veins at 30° to c/a, with minor PbZn mineralization.			
					(Mineralized veins oppose bedding). At 202'6" Pb-Zn vein ½cm wide with fine pyrite.			
					Mild brecciation.			
202'6	301'				SANDSTONE: khaki-light grey with some interbedded light khaki siltstones.			
Rec 207'	217'	9'8"			Occasional intraformational breccia			
217'	227'	10'			conglomerates of siltstone fragments			
227'	237'	9'6"			enclosed in sandstone. From 205' - 215'			
237'	277'	100%			scattered fine grained diagenetic pyrite			
277'	287'	9'5"						
287'	307'	100%			flocculations 0.5cm in diameter. Occasional cream and white CO_3 veining with			
					coarse sphalerite and very minor galena. Bedding 40° to c/a at 220'. From 234' -			
					268', frequent white (and minor cream) CO_3 veining with minor Pb-Zn-pyrite			
					mineralization. (Veining opposes bedding at 35° to c/a). Bedding 65° to c/a at			
					255': 45° to c/a at 285'.			
301'	315'8				SANDSTONE: khaki light grey with interbedded khaki siltstone. Some intraformational			
Rec 307'	317'	9'9			breccia conglomerate. Moderate to strong			
317'	327'	9'9			brecciation with occasional cream CO_3 veining			

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Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: Drill: LY-1

Hole No: SC-13 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: TURNER Sampler: Date Logged:

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
Rec 327'	337'	8'6"			carrying disseminated rhythmically zoned brown, black sphalerite with minor galena			
					and pyrite. Veining approx 50° to c/a. Frequent diagenetic pyrite flocculations.			
					Mineralization occurs both along joints and in shear zones.			
					Sampled 301' - 317', at 2' intervals.			
315'8	329'				BRECCIA: intensely brecciated black graphitic slate, khaki siltstone and grey khaki sandstone			
					partly replaced by cream CO_3 veining carrying strong fine grained pyrite, coarse zoned			
					brown and black sphalerite and minor galena mineralization. Some pyrite is banded and			
					brecciated, also some CO_3 is brecciated and veined by later stage CO_3. Vein orientation			
					from 20 - 40° to c/a. Sampled 317' - 329' at 2' intervals.			
329'	337'				SLATE: black, strongly graphitic, intensely sheared. Scattered quartz cream CO_3 veining			
					occasionally with Pb-Zn and pyrite mineralization. Some diagenetic pyrite. One vein			
					has PbZn mineralization along walls, then cream CO_3 and finally quartz as the core			
					of the vein. Sampled 329' - 337' at 2' intervals.			

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GEOPHOTO RESOURCES CONSULTANTS 611105

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: Drill: LY-1

Hole No: SC-13 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: TURNER Sampler: Date Logged:

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
337'	350'6				SERPENTINIZED ? ROCK, SLATE AND SILTSTONE, intensely sheared. Grey-green fuchsite			
Rec 337'	347'	10'			rich serpentinized rock, with black graphitic slate and grey siltstone. Strong dolomitization			
347'	357'	10'			of the sheared rock postdated by occasional cream CO_3 veining carrying coarse sphalerite			
					and minor galena and pyrite.			
350'6	357'				SANDSTONE: medium grey massive. Minor interbeds of dark grey siltstone.			
					Occasional thin cream and white CO_3 veining.			
			END OF HOLE 357'.					

DDH SURVEY

Depression:

	Tropari	Camera	Etch Test
100'		45°	
150'		44°	
200'		43°	
250'		40°	
300'		38°	
325'		37°	

Azimuth:

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611107

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: South Comet 36S+6.45W+ 115'S Drill:

Hole No: SC-14 Bearing: 78°T Bit Size: NQ - BQ 61.54m

R.L. Site: Depression: 67° Core Size:

Geologist: TURNER Sampler: THIGPEN Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	41.80				SANDSTONE, dark grey,	SILTSTONE and	SHALE. Light to frequently well laminated.	
Rec:								
0	1.52	0			Wavy laminations. Bedding 85° to c/a at			
1.52	3.96	2.44			4.88m, 75° to c/a at 15m. Fe-Mn oxidation			
3.96	4.57	.05			to 16m. Facing structures indicate beds			
4.57	4.88	.28			upright. Bedding 70° to c/a at 25m, 65° to			
4.88	7.01	2.13						
7.01	7.92	.91			c/a at 38m. From 29.70 - 31.70m thin			
7.92	8.53	.13			siderite veins at 20° to c/a with minor			
8.53	11.58	3.03						
11.58	14.63	2.70			Pb-Zn pyrite mineralization.			
14.63	17.69	3.88						
17.69	20.73	3.04						
20.73	23.77	3.04						
23.77	26.82	3.05						
26.82	29.87	3.05						
29.87	32.92	3.04						
41.80	43.21				Ch, slightly brecciated. Scattered Pb-Zn mineralization associated with stronger			
Rec:								
32.92	35.69	3.27			veining at 42.4m with coarse, zoned, brown			
35.69	38.74	3.05			sphalerite with subordinate galena in			
38.74	41.79	3.05			siderite gangue at 15° to c/a.			
41.79	44.83	3.04						
44.83	47.88	3.05						
47.88	50.93	3.05						
50.93	53.98	3.05						
53.98	57.03	3.05						
43.21	44.00							
Rec:								
57.03	60.07	3.04			Brecciated Ch replacement by siderite gangue			
60.07	60.96	0.89			with good coarse, brown, zoned sphalerite,			

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: South Comet 36S+6.45W + 115'S Drill:

Hole No: SC-14 Bearing: 78°T Bit Size: NQ - BQ 61.54m

R.L. Site: Depression: 67° Core Size:

Geologist: TURNER Sampler: THIGPEN Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
60.96	61.54	.58						finer galena and some pyrite mineralization.
61.54	63.08	1.54						Veins at 35° to c/a.
63.08	66.13	3.05						
66.13	69.18	3.05						
44.00	53.66							SANDSTONE, light grey, slightly micaceous. Disseminated Pb-Zn and some pyrite mineralizatio
Rec:								
69.18	72.23	3.05						in siderite veins at varying angles to c/a.
72.23	75.27	3.04						
75.27	78.32	3.05						
53.66	55.20							Breccia of SANDSTONE, SILTSTONE and FUCHSITE CONGLOMERATE with fine galena and subordinate
								sphalerite in a siderite gangue. Some fine pyrite. Veins at 30 - 40° to c/a.
55.20	100.02							CONGLOMERATE, subrounded, variegated chert and shale fragments <1 cm in an arenaceous
Rec:								
78.32	84.55	6.23						matrix. Frequent interbeds of sandstone and
84.55	87.46	2.91						siltstone, lithologically identical with
87.46	88.98	1.52						former described Ch. Occasional scattered
88.98	92.08	3.10						siderite veins carrying Pb-Zn pyrite
92.08	95.10	3.02						
95.10	98.00	2.90						mineralization, especially between 55.20m
98.00	10.10	3.00						and 58.25m. and at 70.10m.
101.0	102.7	1.03						
102.7	105.75	2.88						Frequent euhedral diagenetic pyrite.
105.75	108.80	1.53						Bedding 45° to c/a at 59m.
108.80	112.8	2.45						
112.8	115.85	3.05						From 70.96 to 71.09, vein of coarse Pb-Zn mineralization in siderite gangue at 40° to c/a.

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GEOPHOTO RESOURCES CONSULTANTS

611109

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: South Comet 36S+6.45W + 115'S Drill:

Hole No: SC-14 Bearing: 78°T Bit Size: NQ - BQ 61.54m

R.L. Site: Depression: 67° Core Size:

Geologist: TURNER Sampler: THIGPEN Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								From 72.23 to 72.55m fine to coarse galena with subordinate sphalerite in siderite
								gangue. Vein at 25° to c/a. Minor pyrite. From 75.47 to 75.63 a vein of coarse galena
								and minor sphalerite at 40° to c/a. From 77m to 82.85m, scattered veins of Pb Zn
								mineralization in siderite gangue, at approximately 55° - 75° to c/a.
								Moderate brecciation between 88m - 92.5m in predominately sandstone, interbedded with
								conglomerate. Scattered veinlets of PbZn and pyrite mineralization in siderite gangue.
								Fuchsite rich zone from 96m - 100.02m
100.02	105.77							SILTSTONE, dark grey to black with narrow conglomerate bands (weakly fuchsitic).
								Bedding 55° to c/a at 105.50m.
105.77	109.4							
Rec:								
115.85	118.89	3.04						BRECCIA, black, dark grey and light grey siltstone. Heavily impregnated with
118.89	121.94	3.05						
121.94	124.98	3.04						siderite from 105.77 - 108.60. Minor galena
124.98	128.03	3.05						and light coloured sphalerite mineralization.
128.03	131.08	2.90						
131.08	133.58	2.30						Shearing at approximately 45° to c/a.
133.58	136.63	3.05						

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611110

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 | Co-ords. Collar: South Comet 36S+6.45W + 115'S | Drill:

Hole No: SC-14 | Bearing: 78°T | Bit Size: NQ - BQ 61.54m

R.L. Site: | Depression: 67° | Core Size:

Geologist: TURNER | Sampler: THIGPEN | Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
109.4	116.45							SANDSTONE, light grey, with some dark grey siltstone. Mild brecciation. Frequent thin
								siderite veins at 35° - 55° to c/a and with minor Pb-Zn pyrite mineralization. Bedding
								25° to c/a at 115.20m.
116.45	123.05							SANDSTONE and SILTSTONE, dark grey to black. Occasionally graphitic. Mild to strong
								brecciation with frequent siderite veining. At 118.75m, vein of galena and dark brown
								sphalerite mineralization in siderite gangue at 15° to c/a.
123.05	132.45							SANDSTONE and SILTSTONE light grey and occasionally medium-dark grey. Mild - strong
								brecciation with frequent siderite veining. Bedding 60° to c/a at 127m.
132.45	133.44							BRECCIA, siltstone with strong siderite veining containing good Pb-Zn (dark brown,
								occasionally light brown) and considerable pyrite mineralization. Veining at 60° to c/a.
133.44	145.78							SANDSTONE, light grey, siltstone, medium - dark grey interbedded. Mild to strong
Rec: 136.63	139.68	2.85						brecciation. Some white quartz veining.
139.68	141.31	1.60						Frequent siderite veining containing
141.31	143.98	2.60						
143.98	145.78	0.97						disseminated Pb-Zn mineralization.
145.78	148.83	3.05						

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611111

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: South Comet 36S+6.45W + 115'S Drill:

Hole No: SC-14 Bearing: 78°T Bit Size: NQ - BQ 61.54m

R.L. Site: Depression: 67° Core Size:

Geologist: TURNER Sampler: THIGPEN Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
145.78	158.82							SILTSTONE and SLATE, medium - dark grey and SANDSTONE, light grey. Mild to strong
Rec: 148.83	151.88	3.05						brecciation with quartzite-siderite and
151.88	154.92	2.82						siderite veining especially between 149 -
154.92	157.97	3.05						
157.97	161.01	2.32						150.5m At 147.3m a 1 cm siderite vein
161.01	164.05	2.83						parallel to c/a with some coarse dark brown
164.05	167.10	2.40						
167.10	170.15	3.05						sphalerite and minor galena and pyrite
								mineralization. Intensity of siderite and
								quartzite-siderite veining increasing from
								156 - 158.82 - with occasional coarse dark
								brown sphalerite. (Note: good core recovery in ore zone.)
158.82	159.03							Lode mainly massive coarse grained, dark brown sphalerite with subordinate galena and
								minor pyrite. Some siderite gangue. Lode at 60° to c/a.
159.03	169.11							SANDSTONE and SILTSTONE, light - dark grey to black. Mild brecciation. Stronger
								brecciation from 159.03 - 164m. Bedding 60° to c/a at 164m.
								Occasional bands of very fine grained sedimentary pyrite.
								Frequent thin siderite veining. Some quartz and quartz - CO_3 veining.
								From 167.50 - 169.11 scattered quartz - siderite veining with minor Pb-Zn

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611112

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 | Co-ords. Collar: South Comet 36S+6.45W + 115'S | Drill:

Hole No: SC-14 | Bearing: 78°T | Bit Size: NQ-BQ 61.54m

R.L. Site: | Depression: 67° | Core Size:

Geologist: TURNER | Sampler: THIGPEN | Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					mineralization. Veins c/a.			almost parallel to
169.11	169.47				Massive pyrite, fine grained, with some Pb-Zn mineralization in siderite gangue.			
Rec: 170.15	173.20	3.05			Veins at 90° to c/a.			
173.20	176.25	3.05						
176.25	179.29	3.04						
179.29	182.30	2.93						
182.30	185.39	3.09						
169.47	178.60				SILTSTONE, MUDSTONE pink, khaki, grey, black Also some interbedded SANDSTONE, light grey.			
Rec: 185.39	188.44	3.05			Frequent flocculations of diagenetic pyrite. Bedding 40° to c/a at 174.50m. Increasing			
188.44	191.49	2.22						
191.49	194.54	3.05			deformation and brecciation with depth.			
194.54	197.58	2.78						
197.58	200.62	3.04						
200.62	203.67	3.05						
203.67	206.82	3.05						
178.60	197.20				BRECCIA, of sandstone and siltstone, from the above group mixed with black slate - merging			
Rec: 206.82	209.87	3.05			into black slate with quartzite breccia. Some siderite veining.			
197.20					SLATE, black graphitic quartzite, light grey micaceous and shale, interbedded. Mild defor-			
Rec: 209.87	210.60	.73			mation with brecciation increasing in intensity with depth. Some pyrite and lesser			
210.60	213.50	2.90						
213.50	216.45	2.95			galena mineralization in brecciated quartzite			
216.45	219	2.55			at 207.20m. Occasional siderite with			

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 | Co-ords. Collar: South Comet 36S+6.45W + 115'S | Drill:

Hole No: SC-14 | Bearing: 78°T | Bit Size: NQ-BQ 61.54m

R.L. Site: | Depression: 67° | Core Size:

Geologist: TURNER | Sampler: THIGPEN | Date Logged: 7/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					quartzite-siderite veining. Bedding 50° to c/a at 215.50.			
					End of Hole 219m.			

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GEOPHOTO RESOURCES CONSULTANTS 611114

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: 32S+7.9W+55'S Comet-Kos. Drill: LY-5

Hole No: SC-15 Bearing: 080T Bit Size: NQ-BQ 44.7m

R.L. Site: 352.2m Depression: 65° Core Size:

Geologist: THIGPEN Sampler: THIGPEN Date Logged: 3/11/72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	13.3				(CRIMSON CREEK FORMATION) SILTSTONE with minor SANDSTONE and MUDSTONE:			
					medium grey. Bedding contorted throughout - mod. - highly fractured with brecciated and			
					sheared zones:		8.1 - 9.1 10.3 - 14.0	
					These are probable fault zones.			
13.3	18.8				(OONAH FORMATION) SLATE with QUARTZITE interbeds:			
					dark and medium grey respectively, contorted bedding, partially laminated, graphitic			
					slate. Minor epigenetic (?) pyrite.			
18.8	21.2				QUARTZITE with SLATE wisps: medium and dark grey respectively.			
					sparse epigenetic (?) pyrite, CO_3 veinlets, and also unknown sulphide in 1 - 5 mm			
					scattered veinlets 20.4 - 21.8m (steel grey, compact massive, hardness about 3, mod.			
					sectile - differs from galena in colour and structure) may be massive jamesonite??)			
21.2	58.6				SLATE and QUARTZITE - interbedded thin crumpled layers.			
					dark and medium grey respectively, graphitic slate, brecciated and sheared zone			

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611115

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: 32S+7.9W+55'S Comet-Kos Drill: LY-5

Hole No: SC-15 Bearing: 080T Bit Size: NQ=BQ 44.7m

R.L. Site: 352.2m Depression: 65° Core Size:

Geologist: THIGPEN Sampler: THIGPEN Date Logged: 3/11/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					23.2 - 25.0 has minor and CO_3.			epigenetic pyrite - very minor sphalerite blebs
					and veinlets 21.8 - 22.9 - occasional thicker quartzite and			slate beds - up to
					about 1.0m. Numerous qtz-CO_3 veins with minor pyrite			
					in partly brecciated matrix			31.6 - 34.6 41.7 - 43.5
					scattered epigenetic pyrite veins, veinlets, and disseminations.			
					bedding:	70°	to c/a	at 27.3m
						60°	to c/a	at 29m
						55°	to c/a	at 41.5m
						45°	to c/a	at 48.9m
58.6	65.15				QUARTZITE with minor SLATE interbeds. medium grey and dark grey respectively,			
					graphitic slate. bedding:	70°	to c/a	at 60.4m
					Few irregular thin qtz and CO_3 veinlets and veins.			
65.15	72.9				SLATE and QUARTZITE: dark and medium grey			mostly well laminated, respectively - few
					sparse irregular quartz-CO_3 veinlets and veins.			
					bedding:	60°	to c/a	at 66.9
						55°	to c/a	at 71.7

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GEOPHOTO RESOURCES CONSULTANTS

611116

Drilling Record Sheets

Project: E.L. 7/68 **Co-ords. Collar:** **Drill:** LY-5

Hole No: SC-15 **Bearing:** **Bit Size:**

R.L. Site: **Depression:** **Core Size:**

Geologist: THIGPEN **Sampler:** THIGPEN **Date Logged:** 3/11/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
72.9	75.2				QUARTZITE with minor SLATE: medium and dark grey respectively. Irregular qtz-CO_3			
					veins. bedding: 60° to c/a at 74.8m.			
75.2	81.0				SLATE and QUARTZITE: Interbedded thin layers, dark and medium grey respectively.			
					bedding: 60° to c/a throughout.			
81.0	88.5				QUARTZITE with SLATE interbeds, both as thick and very thin layers - medium and			
					dark grey respectively. - very minor syngenetic pyrite.			
					bedding: 75° to c/a at 86.1.			
885.	89.8				SLATE with minor QUARTZITE: dark and medium grey respectively - minor qtz-CO_3			
					veining. bedding: 60° to c/a at 88.7m.			
89.8	101.6				QUARTZITE with SLATE interbeds, partially laminated. Medium and dark-grey respectively,			
					micaceous - very minor syngenetic (?) pyrite. Few qtz-CO_3 veins - bedding: 65° to c/a @ 97.2			
					bedding: 65° to c/a at 100.8.			

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GEOPHOTO RESOURCES CONSULTANTS

611117

Drilling Record Sheets

Project: E.L. 7/68 **Co-ords. Collar:** **Drill:** LY-5

Hole No: SC-15 **Bearing:** **Bit Size:**

R.L. Site: **Depression:** **Core Size:**

Geologist: THIGPEN **Sampler:** THIGPEN **Date Logged:** 3/11/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
101.6	110.55				SLATE and QUARTZITE: respectively.			dark and medium grey
					Few irregular CO_3 and epigenetic pyrite veins. Scattered sphalerite with minor galena blebs			
					in Quartzite 103.85 - 104.3 - coarse sphal with galena and pyrite - 106.75 - 107.15			
					in carbonaceous quartzite. bedding: 60° to c/a at 103.3m.			
110.55	128.6				QUARTZITE AND SLATE: medium and dark grey respectively.			thin laminations,
					Few irregular CO_3 veinlets. Local minor brecciation.			
					bedding:	50° to c/a at 111.7 65° to c/a at 115.5		
						60° to c/a at 118.1 70° to c/a at 122		
						65° to c/a at 126		
128.6	136.84				SLATE with QUARTZITE interbeds: dark and medium grey respectively - very sparse			
					syngenetic pyrite. Few irregular quartz - CO_3 veinlets. local minor brecciation.			
					Bedding:	60° to c/a at 129 75° to c/a at 132.2m		
						50° to c/a at 134.5		
			END OF HOLE 136.84m					

CORE RECOVERY

DRILLED	RECOVERED
0 - 2.2	0.8
2.2 - 5.1	2.4
5.1 - 6.8	1.8
6.8 - 8.3	1.7
8.3 - 10.3	2.2
10.3 - 14	3.1
14 - 19.2	5.0
19.2 - 23.1	4.0
23.1 - 26.5	3.3
26.5 - 28.8	2.3
28.8 - 31	2.2
31 - 32.45	1.5
32.45- 35.6	3.6
35.6 - 38.7	3.1
38.7 - 41.3	2.6
41.3 - 42.5	1.3
42.5 - 43.8	1.3
43.8 - 44.7	1.0
—	
44.7 - 47.7	3.0
47.7 - 50.6	2.8
50.6 - 53.8	3.0
53.8 - 57.8	4.0
57.8 - 62.5	4.8
62.5 - 71.2	8.0
71.2 - 72.4	1.0
72.4 - 73.5	1.2
73.5 - 75.3	1.8

DRILLED	RECOVERED
75.3 - 78.3	3.1
78.3 - 81.3	3.0
81.3 - 82.5	1.2
82.5 - 85.5	1.8
85.5 - 88.5	3.1
88.5 - 90.45	3.1
90.45 - 93.6	3.1
93.6 - 96.6	3.0
96.6 - 99.6 ?	3.0
99.6 ?- 102.4	3.1
102.4 - 104.9	2.5
104.9 - 108.5	3.1
108.5 - 111.45	3.1
111.45 - 114.65	2.6
114.65 - 116.9	2.3
116.9 - 119.9	2.9
119.9 - 122.1	2.2
122.1 - 125.1	3.0
125.1 - 128.9	4.0
128.9 - 131.	2.1
131. - 134.	3.0
134. - 136.84	2.6

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611119

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: DUNDAS | Co-ords. Collar: | Drill:

Hole No: SC 18 | Bearing: | Bit Size: NQ-BQ 100.58m

R.L. Site: | Depression: | Core Size:

Geologist: TURNER | Sampler: TURNER | Date Logged: Jan 12, 1973.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0m	33m							SILTSTONES, SANDSTONES, dark grey, light grey. Well laminated. Bedding 0° to c/a at 11m, 25° to c/a at 22m. Mild brecciation throughout with minor siderite veining and qtz-siderite veining. Stronger brecciation from 5m-7.20m. At 10.19m minor pink sphalerite in qtz-CO3 veining.
33.0m	40.24m							BRECCIA, of siltstones and sandstones with some strong siderite veining from 0°-25° to c/a containing some fine pyrite. Occasional blebs of Pb-Zn min^{n}. Sampled 39.60m-40.10m, 40.10m-41.60m, 41.60m-42.10m.
40.12m	42.10m							BRECCIA, mild to strong, with some Pb-Zn and pyrite min^{n} in siderite gangue. Veining at 15° to c/a.
42.10m	86.86m							SILTSTONES AND SANDSTONES, well laminated. Bedding 35° to c/a at 54m; 40° to c/a at 71m. Minor Pb-Zn min^{n} in siderite gangue at 40° to c/a at 66.25m and 69.15m. Sampled 42.60-43.10m, 43.10m-43.60m, 43.60m-44.10m, 44.10m-44.60m, 44.60m-45.10m.

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Drilling Record Sheets

Project: DUNDAS | Co-ords. Collar: | Drill:

Hole No: SC 18 | Bearing: | Bit Size: NQ→BQ 100.58m

R.L. Site: | Depression: | Core Size:

Geologist: TURNER | Sampler: TURNER | Date Logged: Jan 12, 73.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
86.86m	110.48m							SILTSTONES AND SANDSTONES, well laminated, mild brecciation with frequent siderite veins containing minor Pb-Zn and some pyrite mineralization. Some stronger brecciation and siderite veining containing minor Pb-Zn-pyrite min^{n} from 92.65-95.30m and 96.95-97.90m. Bedding 60° to c/a at 103m.
110.48m	121m							SILTSTONES AND SANDSTONES, well laminated, light-dark grey. Moderate to strong brecciation with siderite veining throughout. Occasional blebs of Pb-Zn min^{n}. At 120.10m minor coarse Zn with subordinate Pb min^{n} in siderite gangue at 30° to c/a. Brecciation increasing in intensity with depth. Bedding 30° to c/a at 119m.
121m	130.40m							SILTSTONE, SLATE AND SOME SANDSTONE, Brecciated and sheared, increasing in intensity with depth. Intense fine siderite veining from 5-20° to c/a.
130.40m	132m							SILTSTONES, MUDSTONES pink, grey. Intensely brecciated. Some diagenetic pyrite euhedra. Some strong CO3 veining

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Drilling Record Sheets

Project: DUNDAS | Co-ords. Collar: | Drill:

Hole No: SC 18 | Bearing: | Bit Size: NQ-BQ 100.58m

R.L. Site: | Depression: | Core Size:

Geologist: TURNER | Sampler: TURNER | Date Logged: Jan.12, '73.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					at 15° to c/a.			
121m	148.30m				SILTSTONES AND SOME SANDSTONES AND SLATE,			
					intensely dark grey-black, sheared and			
					brecciated. Frequent fine siderite veining.			
					Shearing from 0-15° to c/a.			
148.30m	153.29m				SILTSTONES, MUDSTONES, grey and pink grey,			
					indistinctly laminated. Bedding 30° to c/a			
					at 150m. Some fine CO3 veining.			
153.29m	156.88m				BRECCIA, SLATE, black graphitic and volcanic			
					rock, light grey. Some qtz-CO3 veining.			
156.88m	178.15m				?VOLCANIC ROCK, light grey. Some black slate			
					inclusions. Frequent ?diagenetic pyrite.			
				END OF HOLE 178.15m				

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: DUNDAS Co-ords. Collar: Drill:

Hole No: SC 18 Bearing: Bit Size: NQ→BQ 100.58m

R.L. Site: Depression: Core Size:

Geologist: TURNER Sampler: TURNER Date Logged: Jan.12 '73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0m	2,13m	10m			38.71m	41.06m	2.35m	157.58m 160.62m 3.04m
2.13m	5.18m	3.05m			41.06m	43.77m	2.76m	160.62m 178.15m 100%
5.18m	8.23m	3.05m			43.77m	44.04m	2.81m	
8.23m	11.28m	3.05m			44.04m	46.58m	2.54m	
11.28m	14.32m	3.04m			46.58m	49.73m	3.15m	
14.32m	17.38m	3.05m			49.73m	75.22m	100%	
17.38m	20.42m	3.04m			75.22m	89.65m	100%	
20.42m	23.47m	3.05m			89.65m	92.36m	2.66m	
23.47m	26.52m	3.05m			92.36m	95.28m	0.75	
26.52m	29.57m	3.05m			95.28m	129m	100%	
29.57m	32.61m	3.04m			129m	150m	100%	
32.61m	35.66m	3.05m			150m	156.09m	100%	
35.66m	38.71m	3.05m			156.09m	157.58m	1.45m	

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Page 1

Project: EL 7/68 Co-ords. Collar: 445/5.6W + 50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
om	1m			€h	No recovery.			
1m	7m				SILTSTONE: Dark grey, finely laminated and banded (to ½" true width) with pale grey micaceous sandstone; weathered and broken, limonitized along joints and fractures, bedding at maxium angle to core axis, (a) 30cms-59°, (b) 5.2m-53°.			
7m	17.9m			€h	SILTSTONE, SANDSTONE: Medium-dark grey siltstone, finely laminated and banded, interbedded with pale grey sandstone-both distinctly micaceous; other features include; 17.5-17.6 grit band-sandstone laminations occasionally wavy and appear to pinch and swell-occasional pods siltstone with sandstone beds-limited microfaulting associated with minute carbonate veinlets. Bedding c/a 9.6m-54°, 12.3m-53°, mmonly limonite along joints and fractures.			
17.9m	19.5m			€h	SILTSTONE: Medium-dark grey, finely laminated with and banded (to ½") with pale grey sandstone, both micaceous; other features include ripple bedding (small scale), 17.9-18.3m extensively fractured. Bedding c/a 18.8m-58°.			

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar 445/5.6W +50'N Drill Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged 25/1/73 Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
19.5m	20.1m							Similar to above, 7-17.9m.
20.1m	23.4m							Similar to above, 17.9-19.5m. Bedding c/a 20.5m-62°.
23.4m	46.4m			Ch				SILTSTONE: Medium-dark grey carrying fine laminations of pale grey dolomitic sandstone and interbedded bands of the same to 14" true width-both micaceous, more pronounced in sandstone, 23.47m-32.26m microfaulting and general distortion of bedding common, accompanied by minor carbonate veining, small scale ripple bedding fill structures common throughout. Bedding c/a 23.7m-57°, 27m-63°, 33.1m-55°, 43.6m-53°.
46.4m	49.2m		Ch	Ch				SILTSTONE: Dark grey, finely laminated and banded (to 4" width) with pale grey micaceous dolomitic sandstone; laminations often wavy (ripple bedding) and fill structures common. Bedding c/a 48.2m-53°
49.2m	50.9m		Ch	Ch				SANDSTONE: Pale grey-grey, micaceous and dolomitic; minor random carbonate veinlets occasionally with selvedge pyrite; final

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True +50'N Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C.JOHNSTON Sampler: A.C.JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					10cms carries lozenge shaped fragments of dark grey micaceous siltstone from the underlying bed.			
50.9m	51.9m			€h	SILTSTONE: Dark grey, micaceous and finely flecked with unidentified white material.			
51.9m	54.6m			€h	SILTSTONE: Dark grey, micaceous, laminated and banded (to 4" width) with pale grey micaceous dolomitic sandstone; depositional structures include small scale ripple bedding and randomly orientated siltstone fragments within the sandstone near the siltstone-sandstone boundary ; ∴ markings also common. Bedding c/a 52.3m-51°.			
54.6m	55.4m			€h	SILTSTONE: Dark grey-black; micaceous and finely flecked throughout with unidentified white material.			
55.4m	68m			€h	SILTSTONE: Dark grey-black micaceous and finely banded and interbedded with grey micaceous, dolomitic sandstone (occasional bands of visible recrystallized carbonate). Bedding generally disrupted throughout section			

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73 Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					mild brecciation, shearing and micro-			
					faulting accompanied by minor random injec-			
					tion of carbonate veinlets, brecciation			
					pronounced between 66.8-68m. Bedding c/a			
					59m-50°, 62.5m-53°.			
68m	81.3m			-Ch	SILTSTONE: Dark grey, finely banded and			
					interbedded with pale grey dolomitic sand-			
					stone; bedding generally disrupted and			
					brecciation -shearing occurs sporadically			
					throughout section-generally associated			
					with minor carbonate veining; ripple bedding			
					cut and fill structures distinctive features.			
					Bedding c/a 76.3m-62°			
81.3m	82.1m				GRIT: grey, dolomitic			
82.1m	90.3m			-Ch	SILTSTONE: Dark grey, micaceous finely			
					laminated and interbedded with pale grey			
					dolomitic-micaceous sandstone beds.			
					Mildy disrupted appearance minor carbonate			
					veining throughout and associated minor			
					pyrite; ripple bedding is a prominent			
					feature. Bedding c/a 82.1m-15°, 89.7m-12°.			

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73 Page 5

Project: EL 7/68 Co-ords. Collar:445/5.6W Drill:Longyear 1

Hole No: SC19 Bearing: 75°True +50'N Bit Size:NQ/BQ

R.L. Site:1330'ASL Depression:75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged:25/1/73 Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
90.3m	113.6m			€h				SANDSTONE: Pale grey, micaceous and dolomitic interbedded with bands of dark grey siltstone often thinly interbedded giving a coarsely laminated appearance; disruption of bedding and brecciation is sporadic throughout section. often accompanied by minor random carbonate veinlets. Bedding c/a 93.7m-30°, 101.7m-32°, 109.6m-12°, 113.5m-37°.
113.6m	136.5m			€h				SANDSTONE:Pale grey micaceous, ?dolomitic thinly interbedded with dark grey siltstone, occasionally giving rise to a coarsely laminated appearance; small scale ripple bedding is a prominent feature. Bedding - mildly disrupted appearance specifically sporadic brecciation in the interval (127-135.5m) minor carbonate veining throughout. Bedding c/a 116m-37°, 131m-31°.
136.5m	143.2m			€h				SANDSTONE: Compact, pale grey-grey dolomitic; occasional thin bands of sheared dark grey siltstone; minor carbonate veinlets commonly associated with pyrite and minor sphalerite blebs in a carbonate gangue at 137.6m.

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: Sc 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
143.2m	151.8m			€r				CONGLOMERATE: (Fuchsite conglomerate) grey, sub-rounded pebbles of pale grey-dark grey quartzite and grey-dark grey siltstone set in a dolomitic gritty-sandy matrix-irregular patches of green fuchsite? occasional sheared appearance.
151.8m	160.3m			€c				SILTSTONE-SANDSTONE: Fine grained, grey, dolomitic and occasionally quartzose, general absence of carbonate veining; Mineralization (apart from minor pyrite specks throughout) is confined to single galena-sphalerite veinlet (2cms true width) at 157.5m.
160.3m	170m			€c				SILTSTONE: Fine sandstone grey-dark grey; minor joint controlled carbonate veinlets L c/a 53° (L 5cms true width) and carrying minor galena-sphalerite mineralization particularly at the selvedge. 169.6-170.2m parting developed (53° c/a) along very fine highly graphitic layers.
170m	173.4m			€c				DOLOMITE: Pale grey, minor generally barren, carbonate veinlets. Mineralization minor and seen as galena-sphalerite occuring

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Page 7

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								as infillings along minute fractures in the dolomite- also generally associated with bright green hydromica? and some carbonate.
173.4m	183.1m			€c				BRECCIA: Highly brecciated sections contained within highly sheared and highly graphitic black siltstones. The brecciated graphitic fragments set in matrix of pale grey pyritic dolomitic material; entire section extensively permeated with a fine network of carbonate veinlets-associated minor galena-sphalerite.
183.1m	189.6m			€c				SANDSTONE-SILTSTONE: (finely laminated) pale grey (generally disrupted appearance) plus sections of graphitic highly sheared brecciated siltstone; carbonate veining common throughout but most intensive network of carbonate veinlets occurs within the sheared-brecciated sections. Bedding c/a 186.5m-43°, carbonate vein c/a 185.5m-53°.
189.6m	197.5m			€c				SILTSTONE: dark grey-black, graphitic,

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear1

Hole No: SC 19 Bearing: 75° True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75° True Core Size:

Geologist: A.C JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								pyrite, extensively sheared-brecciated and occasionally dolomitized. Permeated with fine network barren quartz-carbonate veinlets ranging up to 3 cms true width, most pronounced in interval 194m-197.5m. 196.4m carbonate veinlets L c/a 45°.
197.5m	206.8m			-Ec				META-VOLCANIC: Dark grey extensively spotted with pale grey-white kaolinized? feldspar; overall sheared appearance and sporadic intense brecciation throughout section; extensively permeated with numerous quartz-carbonate minute stringers and veinlets-particulary in sheared-brecciated sections; minor pyrite commonly associated carbonate-quartz veinlets at selvedge; dolomitic?.
206.8m	228.3m			-Ec				META VOLCANICS, BRECCIA: Grey-green grey, dolomitic and extensively spotted with relict white-pink kaolinized white-pink feldspar; section generally sheared appearance. Intense brecciation-shearing between 206.8m-210.8m and 213.3m-217.1m accompanied by dolomitization and injection of numerous randomly orientated carbonate veinlets commonly accompanied by abundant fine pyrite.

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								MINERALIZATION: Visible mineralization confined to three intervals. (1) 217.9-218.1m
								(2) 220.3-222.6m, (3) 226.8-227.8,. Interval (1) carries significant galens/sphalerite
								mineralization as patches and veinlets (to 6 cm true width) associated with pyrite
								and patchy siderite veining roughly inclined at 38° c/a; (2) and (3) (1) but dominately
								pyrite associated with random siderite veinlets very minor Pb, Zn.
228.3m	251.5m			€c				SILTSTONE: Black, highly graphitic 228.3m-
								236.6m highly sheared/brecciated and injected by numerous randomly tated amber
								carbonate stringers/veinlets. MINERALIZATION:
								pyrite abundant throughout and commonly
								associated with carbonate veining. Significant galena mineralization over the
								following intervals, (1) 233.1m-233.8m-
								dominately as fine network of fine veinlets
								permeated throughout a pyrite-rich carbonate gangue. (2) 237.8m-238m-galena as
								irregular veinlets (to 5mm true width) in
								brecciated section and associated with
								random pyrite-rich carbonate veinlets.
								Remainder; dominately siltstone, highly

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73 Page 10

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								graphitic and extensively permeated with random carbonate veinlets and assiciated sporadic brecciation throughout-occasionally carrying minor blebs/fine veinlets of sphalerite-galena. Section 245.5m-245.7m minor sphalerite as blebs in pyrite rich carbonate gangue. Section 240.2m-240.7m sandstone dark grey, sheared appearance, extensively permeated with random carbonate veinlets.
251.5m	275.4m			ec				SILTSTONE: Black, highly graphitic and pyritic; extensively permeated with network of carbonate veinlets/fine stringers and commonly assiciated with abundant pyrite. Section 258.5m-258.8m about 80% Pyrite sporadic brecciation throughout over short intervals and consists of black graphitic fragments set in carbonate and commonly carrying abundant pyrite and very minor galena-sphalerite mineralization slately cleavage tends to be developed towards end of section.
273.2m	291.1m			ec				SLATE: Black, pyritic and highly graphitic; minor random carbonate veinlets-stringers generally in association with minor sporadic

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73 Page 11

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73 Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								brecciation. Section 281.7m-288.1m highly sheared and injected with numerous carbonate veinlets and stringers; no visible associated mineralization.
291.1m	299.6m			€c				SLATE: Black, pyrite, highly graphitic, finely laminated and readily cleaves parallel to laminations; overall sheared distorted appearance and sporadically brecciated with intensity of brecciation increasing towards the end of the section; minor random carbonate veining commonly associated with pyrite lamination c/a 292m-70°, 297.6m-55°.
299.6m	306.4m			€c				SILTSTONE: Dark grey-black, highly graphitic and finely pyritic overall sheared appearance pronounced brecciation from 300.2-301.4m and 303.7-304m. Numerous random carbonate veinlets-stringers throughout section.
306.4m	307m			€c				DOLOMITE: Pale green grey, highly dolomitized ~~siltstone?, highly sheared and brecciated~~ appearance; abundant highly distroted ~~carbonate veinlets pyrite disseminated~~ throughout.

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GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73 Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
307m	309.6m			-€c				SANDSTONE; (fine) MUDSTONE, SILTSTONE: all interbedded, grey-dark grey; minor random carbonate veining with pyrite association. Section 307m-307.8m, highly brecciated. Bedding L c/a 308.9m-41°.
309.6m	313.3m			-€c				SILTSTONES: Black, highly graphitic, pyritic; extensively sheared and injected with numerous carbonate veinlets and minute stringers.
313.3m	323.4m			-€c				SANDSTONE (fine) Pale grey-grey interbedded with khaki, grey-dark grey MUDSTONE-SILTSTONE all apear to be dolomitic; mudstone exhibits soft rock deformation structures; sporadic shearing distortion throughout section plus numerous randomly orientated quartz-carbonate veinlets.
323.4m	328.2m			-€c				SILTSTONES, MUDSTONES: plus some sandstone, grey-dark grey dolomitic shearing and mild brecciation throughout section accompanied by injection of numerous random quartz-carbonate veinlets and fine stringers.

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73 Page 13

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°True Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73 Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
328.2m	337.7m			Gc				MUDSTONE (banded) SILTSTONE: Minor sandstone, khaki, pale-dark grey, dolomitic; soft sediment deformation structures commonly associated with the mudstones. Minor random carbonate veining associated with mild disruption throughout section; bedding L c/a 331.3m-45°.
337.7m	360.1m			Gc				SANDSTONE (dominately): Pale grey dolomitic, commonly pyritic and interbedded dark grey-black (graphitic) mudstones-siltstones. Siltstones-mudstones mildly disrupted and occasionally brecciated; random quartz-carbonate veinlets-minute stringers common throughout section- no associated visible mineralization.
360.1m	366.5m			Gc				Dominately SILTSTONES MUDSTONES: Dark grey-black, extensively permeated with network of very fine carbonate veinlets; soft sediment deformation structures commonly associated with the mudstone. Mudstone; minor sphalerite-galena mineralization at 365.6m in 4 cm wide carbonate veinlet.

GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

Started 7/1/73 Completed 6/2/73

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75° True Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75° True Core Size:

Geologist: A.C. JOHNSTON, Sampler: A.C. JOHNSTON Date Logged: 25/1/73

Bottom 401.3m

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					Bedding 40°c/a -362m minor sporadic brecciation throughout.			
366.5m	385.5m				SANDSTONE (dominately). Pale grey, dolomitic and interbedded Mudstone (pale-dark grey-black) exhibiting soft rock deformation structures; barren carbonate veining common throughout; occasional small sections highly sheared-carbonate veined. No visible mineralization.			
385.5m	397.9m			~~€~~c	SANDSTONE: Pale grey, micaceous dolomitic and occasionally pyritic; minor interbedded sheared siltstone-mudstone; carbonate veining common throughout and usually associated with minor pyrite.			
					END DDH S.C. 19			

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°T Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°T Core Size:

Geologist: A.C. JOHNSTON Sampler: A. C. JOHNSTON Date Logged: 25/1/73

From (m)	To (m)	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
RECOVERY:								
0m	1m	1	0					
1	3.9m	2.9	2.7					
3.9m	5.2m	1.3	1.3					
5.2	8.2	3	3					
8.2	11.3	3.1	3.1					
11.3	14.3	3	3					
14.3	17.4	3.1	2.7					
17.4	20.4	3	3					
20.4	23.4	3	3					
23.4	26.5	3.1	3.1					
26.5	29.6	3.1	3.1					
29.6	32.6	3	3					
32.6	35.6	3	3					
35.6	37.9	2.3	2.3					
37.9	39.7	1.8	1.5					
39.7	41.8	2.1	2.1					
41.8	43.6	1.8	1.8					
43.6	44.8	1.2	1.2					
44.8	46.4	1.6	1.6					
46.4	47.8	1.4	1.0					
47.8	50.9	3.1	3.1					
50.9	53.6	2.7	2.7					
53.6	54.6	1	1					
54.6	57.6	3	3					

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GEOPHOTO RESOURCES CONSULTANTS

611138

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°T Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°T Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73 Bottom 401.3m

From (m)	To (m)	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
RECOVERY:					FROM:	TO:	RUN:	CORE:
57.6	59	1.4	1.4		121.6m	124.6	3	3
59	61	3	3		124.6m	127.6	3	3
61	64	3	3		127.6m	130.6	3	3
64	67	3	3		130.6	133.6	3	3
67	70	3	3		133.6	136.6	3	3
70	71.1	1.1	1.1		136.6	139.6	3	3
71.1	74	2.9	2.9		139.6	142.6	3	3
74	77.05	3.05	3.05		142.6	145	2.4	2.4
77.05	80.2	3.15	3		145	148	3	3
80.2	83.2	3	3		148	151	3	3
83.2	85.4	2.2	2.2		151	154	3	3
85.4	87.6	2.2	2.2		154	157	3	3
87.6	90.3	2.7	2.7		157	158.2	1.2	1.2
90.3	93.1	2.8	2.8		158.2	164.1	2.9	2.9
93.1	96	2.9	2.9		164.1	167	2.9	2.9
96	98.9	2.9	2.9		167	169.8	2.8	2.8
98.9	101.8	2.9	2.9		169.8	172.8	3	3
101.8	103.6	1.8	1.8		172.8	175.8	3	3
103.6	106.6	3	3		175.8	178.8	3	3
106.6	109.6	3	3		178.8	181.8	3	3
109.6	112.6	3	3		181.8	184.8	3	3
112.6	115.6	3	3		184.8	187.8	3	3
115.6	118.6	3	3		187.8	190.8	3	3
118.6	121.6	3	3		190.8	193.8	3	3

GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 445/5.6W +50'N Drill: Longyear 1

Hole No: SC 19 Bearing: 75°T Bit Size: NQ/BQ

R.L. Site: 1330'ASL Depression: 75°T Core Size:

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 25/1/73 Bottom 401.3m

From (m)	To (m)	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
RECOVERY:					FROM:	TO:	RUN:	CORE:
193.8	196.8	3	3		261.2	264.2	3	3
196.8	199.8	3	3		264.2	267.2	3	3
199.8	202.8	3	3		267.2	270.2	3	3
202.8	205.8	3	3		270.2	273.2	3	3
205.8	208.8	3	3		273.2	276.2	3	3
208.8	211.8	3	3		276.2	279.2	3	3
211.8	214.8	3	3		279.2	282.2	3	3
214.8	217.8	3	3		282.2	285.2	3	3
217.8	220.8	3	3		285.2	288.2	3	3
220.8	223.8	3	3		288.2	291.2	3	3
223.8	226.8	3	3		291.2	294.2	3	3
226.8	229.8	3	3		294.2	297.2	3	3
229.8	232.8	3	3		297.2	300.2	3	3
232.8	235.8	3	3		300.2	303.2	3	3
235.8	238.8	3	3		303.2	306.2	3	3
238.8	241.8	3	3		306.2	309.2	3	3
241.8	244.8	3	3		309.2	312.2	3	3
244.8	245.8	1	1		312.2	315.2	3	3
245.8	248.8	3	3		315.2	318.2	3	3
248.8	251.8	3	3		318.2	321.2	3	3
251.8	253.8	2	2		328.2	331.2	3	3
253.8	256.8	3	3		331.2	334.2	3	3
256.8	258.7	1.9	1.9		334.2	337.2	3	3
258.7	261.2	2.5	2.5		337.2	340.2	3	3

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: 445/5.6W | Drill: Longyear 1

Hole No: SC 19 | Bearing: 75°T | Bit Size: NQ/BQ

R.L. Site: 1330ASL | Depression: 75°T | Core Size:

Geologist: A.C. JOHNSTON | Sampler: A.C. JOHNSTON | Date Logged 25/1/73 Bottom 401.3m

From (m)	To (m)	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
RECOVERY:								
340.2	343.2	3	3					
343.2	346.2	3	3					
345.2	349.2	3	3					
349.2	352.2	3	3					
352.2	355.2	3	3					
355.2	358.2	3	3					
358.2	361.2	3	3					
361.2	364.2	3	3					
364	385.5	TOTAL RECOVERY						
385.5	398.9	TOTAL RECOVERY						

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Started 10/2/73 Completed 22/2/73

Project: EL 7/68 Co-ords. Collar: Line 42S- 4.3W/0.8N Drill: Longyear 1

Hole No: SC 21 Bearing: 72° T Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	2m				€h			SILTSTONE/SANDSTONE, dark grey micaceous siltstone and pale grey micaceous quartzose sandstone; weathered and broken-limonitic along fracture planes; initial 10 cms - white talcose grit.
2	77.8m							SILTSTONE: grey/dark grey distinctly micaceous, thinly banded and interbedded with pale grey quartzose, micaceous and often dolomitic sandstone interval 66.5m-67.3m grit band, pale grey and micaceous; small scale ripple bedding cut and fill structures at occasional depositional breccia sections throughout; mild deformation throughout and minor carbonate veining particularly in the interval 37.8m→75.8m, generally accompanied by minor sporadic brecciation micro faulting; mineralization-very minor galena/sphalerite/pyrite mineralization at 58.8m and 72.3m associated
	RECOVERY:							
0	2	2	90cms					
2	5	3	2.4					
5	8	3	3					
8	11	3	3					
11	14	3	3					
14	14.2	0.2	0.2					
14.2	76.2	TOTAL RECOVERY						

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: Line 42S- 4.3W/0.8N | Drill: Longyear 1

Hole No: SC 21 | Bearing: 72°T | Bit Size:

R.L. Site: 1375'ASL | Depression: 75° | Core Size: NQ

Geologist: A.C. JOHNSTON | Sampler: A.C. JOHNSTON | Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								with randomly orientated carbonate veinlets. Bedding & c/a:
								14m - 52°
								24m - 51°
								50m - 25°
								67.3m-90°
								77.8m-50°
77.8	100.75m				€h			SILTSTONE: grey/dark grey micaceous finely laminated and banded-pale grey quartzose dolomitic sandstone- occasionally micaceous and to 20cms maximum width. Minor carbonate veining accompanied by mild sporadic disruption throughout section- fine veinlets/stringers more pronounced in section 90.8→94.9m and here associated with very minor galena/sphalerite/pyrite mineralization; small scale ripple bedding and cut/fill structures common feature throughout. Bedding & c/a
								82.2m-41°
								99.7m-53°
RECOVERY:								
76.2	99.2	TOTAL RECOVERY						

GEOPHOTO RESOURCES CONSULTANTS

611143

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Line 42S-4.3W/0.8N Drill: Longyear 1

Hole No: SC21 Bearing: 72°T Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
100.75	126.9m				€h			SANDSTONE: pale grey, quartzose, micaceous and dolomitic; finely laminated and thinly banded with grey/dark grey siltstone-often quartzose micaceous and occasionally pyritic; laminations often wavy and suggestive of current bedding. Sections [100.8m-110m] and [123.4m-126.9m] exhibit minor sporadic brecciation/distortion accompanied by minor injection of carbonate veinlets (including siderite) significant galena/sphalerite mineralization in siderite gangue occurs over the interval [126.1m-126.35m] (25 cms). Minor galena/sphalerite mineralization at 107.2m takes the form of minor blebs sphalerite/galena associated with random carbonate (siderite) stringers. Bedding ∠ c/a 118.2m-35°

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GEOPHOTO RESOURCES CONSULTANTS

611114

Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: Line 42S-4.3W/0.8N | Drill: Longyear1

Hole No: SC21 | Bearing: 72° T | Bit Size:

R.L. Site: 1375'ASL | Depression: 75° | Core Size: NQ

Geologist: A.C. JOHNSTON | Sampler: A.C. JOHNSTON | Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
126.9	141m				Ch			SANDSTONE: pale grey, quartzose, micaceous and dolomitic; thinly interbedded with dark grey micaceous siltstone giving commonly wavy laminated appearance-small scale ripple bedding common and also depositional brecciation particularly in the interval 145.8m-149.3m Section is only mildly sporadically disrupted over short intervals-minor galena/sphalerite was noted at the following depths/intervals (1) 162m-sphalerite/marmatite/galena veinlet (5mm true width) in association with carbonate (siderite) gangue-∠10°c/a. (2) 163.5m-sphalerite blebs contained within 2 cm true width siderite veinlet- of∠30°c/a. (3) 169.4m-very minor blebs and fine veinlets of brown shpalerite and galena. (4) 171.4m-171.7m-sheared highly pyritic section carrying minor
RECOVERY:								
99.2m	179.6m	TOTAL RECOVERY						

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GEOPHOTO RESOURCES CONSULTANTS

611115

Drilling Record Sheets

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Project: EL 7/68 Co-ords. Collar: Line 42S-4.3W/0.8N Drill: Longyear 1

Hole No: SC 21 Bearing: 72°T Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								blebs of sphalerite/galena. Bedding ∠ c/a
								141.4m-43° 161.2m-50°
179.6	200.4m							CONGLOMERATE: pale grey, rounded and occasionally sub-angular pebbles (to 7 cms maximum diameter) of pale grey/white quartzite (very fine grained) pale grey quartzose sandstone grey/dark grey highly silicious siltstone and irregular patches pale/dark green talcose material (fuchsite) all set in dolomitic sandy/gritty matrix, occasionally grades into and out of pale grey micaceous dolomitic sandstone/grit-depositional brecciation commonly associated with the sandstone; commonly pyritic . Final 3m markedly sheared as evidenced by elongation of pebbles and formation of fracture surfaces lined with soft green talcose material (fushsite); base of
	RECOVERY:							
179.6	200.1	TOTAL RECOVERY						

611146

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Line 42S- 4.3W/0.8N Drill: Longyear 1

Hole No: SC 21 Bearing: 72°T Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								superjacent sandstone exhibits depositional breccia of dark grey siltstone.
200.4	203.4m							BRECCIA: highly sheared/brecciated and dolomitized section including pale grey quartzose dolomitic sandstone and highly sheared graphitic siltstone fragments; commonly pyritic and permeated with numerous randomly orientated carbonate veinlets; soft pale green talcose material commonly lines joint and fracture surfaces.
203.4	215.5m							VOLCANIC: dark grey/black highly sheared, carbonized and dolomitized volcanic; commonly pyritic and permeated with numerous randomly orientated very fine veinlets and stringers carbonate; mottled appearance due to pink now kaolinized feldspars.

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Line 42S - Drill: Longyear1

Hole No: SC 21 Bearing: 72°T 4.3W/0.8N Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
215.5	261.1m				Cc			SILTSTONE: finely pyritic and highly graphitic and occasionally quartzose; generally highly sheared and occasionally brecciated permeated with numerous carbonate veinlets and stringers (siderite); at 222.1m minor blebs sphalerite associated with dolomitic/siderite ganque. Brecciation and shearing becoming more intense in final 15m of this interval.
	RECOVERY:							
200.1	261.1	TOTAL RECOVERY						
261.1	287.9	TOTAL RECOVERY						
261.1	287.9m							SANDSTONE: (fine grained)/SILTSTONE: occasional thinly interbedded mudstone pale grey/grey, occasionally dark grey/black (graphitic); mildly disrupted and sheared appearance throughout, accompanied by numerous random very fine carbonate stringers/irregular widths (to 2 cms maximum diameter) mineralization; apart from very minor Pb/Zn mineralization associated with the above carbonate veinlets, section 279.2m→285m

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GEOPHOTO RESOURCES CONSULTANTS 611148

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Line 42S-4.3W/0.8N Drill: Longyear 1

Hole No: SC 21 Bearing: 72°T Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								carries minor Pb/Zn in following forms:
								(1) narrow (to 1 cm wide) pyrite-rich carbonate veinlets (siderite) varying between 40°-53° to c/a.
								(2) intervals [283.2-284.2] and [279.2-280.5] extensively brecciated and intensely injected with siderite veinlets carrying abundant pyrite (section 283.6-283.8 > 75% pyrite) and minor blebs and veinlets Pb/Zn mineralization; interval [279.4-279.6m] veinlets stibnite (23°c/a) approximately 2 cms true width and associated with pyrite rich siderite gangue.
287.9	318.9m							SANDSTONE: pale grey, khaki, grey quartzose micaceous and dolomitic; often pyritic and interbedded siltstone/mudstone-khaki, grey, dark grey (graphitic); minor sporadic brecciation/shearing throughout associated with minor

GEOPHOTO RESOURCES CONSULTANTS

611119

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Line 42S - 4.3W/0.8N Drill: Longyear 1

Hole No: SC 21 Bearing: 72°T Bit Size:

R.L. Site: 1375'ASL Depression: 75° Core Size: NQ

Geologist: A.C. JOHNSTON, Sampler: A.C. JOHNSTON Date Logged: 22/2/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								injection of random carbonate veinlets-particularly numerous in final 5m.
RECOVERY:								
287.9	318.9m	TOTAL RECOVERY						

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611150

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: 16S+18.25W+50'S Drill: LY-5

Hole No: KH-19 Bearing: 070T Bit Size: NQ/BQ 94.0

R.L. Site: (1184') 360.5m Depression: 52 Core Size:

Geologist: THIGPEN Sampler: Date Logged: 22/10/72

All measurements are in Metric System.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
2.0	8.7				SILTSTONE and ARGILLITE (?) highly oxidized predominantly pale reddish tan and brown.			
					Mn-Fe gossan 7.5 - 8.0 .			
8.7	36.3				ARGILLITE, SILTSTONE and minor SANDSTONE: very sparse syngenetic pyrite -			
					8.7 - 12.7 12.7 - 15.0			tan-green pale greenish-purple.
					15.0 - 19.0 19.0 - 20.2			tan with green. pale green-purple.
					20.2 - 21.9 21.9 - 24.1			tan with pale green. pale green-purple.
					24.1 - 29.0 29.0 - 30.6			tan with pale green. green to tan.
					30.6 - 32.7 32.7 - 36.3			pale purple. green and pale purple.
					minor siderite veining at 24.5 bedding 50° to c/a at 13.7			
					50° to c/a at 15.7 50° to c/a at 26.2			
					50° to c/a at 36.0			
36.3	54.2				ARGILLITE, SILTSTONE and MUDSTONE: with minor SANDSTONE light dark grey minor			
					scattered quartz and CO_3 veining especially 44.7 - 45.7m, 52.3 - 54.2.			

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GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: 16S+18.25W + 50'S Drill: LY-5

Hole No: KH-19 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: THIGPEN Sampler: Date Logged: 22/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					bedding/	45°	to c/a at 37.1	
						30°	to c/a at 39.1	
						50°	to c/a at 41.7	
						75°	to c/a at 44.2	
						30°	to c/a at 46.4	
						55°	to c/a at 49.4	
54.2	78.65				Slaty MUDSTONE and SILTSTONE with some QUARTZITE (?):			
					med-dark grey. graphitic fracture surfaces. contorted bedding throughout, much minor			
					brecciation. 62.6 - 63.0			severe brecciation - shearing.
					67.3 - 69.6 few scattered			5mm quartz and CO_3 veinlets.
					68.15 - 68.74 quartz-siderite (?) -			pyrite veining -
					near massive - bedding about		35° to c/a	some post-veining.brecciation. 70 - 73m.
							25° to c/a	75m.
78.65	82.2				QUARTZITE with slaty MUDSTONE: dark grey - micaceous.			
					bedding 90° to c/a at			81.8m.

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GEOPHOTO RESOURCES CONSULTANTS 611152

Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: 16S+18.25W + 50'S Drill: LY-5

Hole No: KH-19 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: THIGPEN Sampler: Date Logged: 22/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
82.2	125.3				SLATE with QUARTZITE interbeds: dark grey graphitic - micaceous - pronounced			
					bedding - plane shearing throughout to 99m with bedding and shearing at about 50 - 55°			
					to c/a. Quartz - CO_3 (siderite?) veining - with very			
					sparse pyrite. 85.2 - 86.1 - 3 to 20cm thick.			
					88.4 - 88.6 110.8 - 110.9			
					1cm qtz-pyr vein 115.2 - 115.6 5° to c/a.			
					bedding - 65° to c/a 112.2 40° to c/a 114.5			
					minor-mod brecciation 99 - 111m.			
					Mineralization - very sparse 1 - 2mm galena blebs and veinlets in minor siderite (?)			
					breccia matrix at: 106.0 - 107.2 and 115.0 - 115.1			
					very sparse syngenetic pyrite scattered throughout.			
				END	OF HOLE 125.3m			

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CORE RECOVERY

Drilled	Recovered
2.0 - 3.7	0.7
3.7 - 4.80	0.48
4.80 - 7.6	1.35
7.6 - 8.8	1.41
8.8 - 14.0	4.96
14.0 - 16.7	2.7
16.7 - 19.8	3.1
19.8 - 20.10	0.31
20.10 - 22.5	2.25
22.5 - 24.6	2.13
24.6 - 26.2	1.64
26.2 - 29.2	3.11
29.2 - 32.9	3.1
32.9 - 35.9	3.0
35.9 - 39.0	3.1
39.0 - 44.5	6.2
44.5 - 47.5	3.1
47.5 - 48.5	0.73
48.5 - 50.6	2.23
50.6 - 53.6	3.21
53.6 - 54.07	0.46
54.07 - 62.8	8.7
62.8 - 64.7	1.8
64.7 - 67.4	2.82
67.4 - 67.88	0.23
67.88 - 68.9	1.6
68.9 - 69.4	0.6

Drilled	Recovered	
69.4 - 69.83	0.6	
69.83 - 70.85	1.2	
70.85 - 72.0	1.2	
72.0 - 73.8	1.8	
73.8 - 76.0	2.2	
76.0 - 78.1	2.1	
78.1 - 78.7	0.6	
78.7 - 81.2	2.38	
81.2 - 82.9	1.8	
82.9 - 84.4	1.8	
84.4 - 85.8	1.3	
85.8 - 87.2	1.2	
87.2 - 88.5	1.8	
88.5 - 89.1	0.94	
89.1 - 90.9	1.9	
90.9 - 94.0	3.1	NQ
94.0 - 95.1	0.7	BQ
95.1 - 96.8.	1.6	
96.8 - 98.7	1.9	
98.7 - 101.6	3.0	
101.6 - 103.2	0.95	
103.2 - 105.0	1.8	
105.0 - 105.7	0.8	
105.7 - 107.8	2.2	
107.8 - 109.8	2.0	
109.8 - 110.5	0.6	
110.5 - 112.4	1.8	
112.4 - 115.4	3.0	
115.4 - 117.4	3.1	
117.4 - 120.6	3.0	
120.6 - 123.6	3.1	
123.6 - 125.3	1.8	

All measurements are in Metric System.

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Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: Comet-Kosminsky NNE18S+15.9W +33'S Drill: LY-5

Hole No: KH-20 Bearing: 70° T Bit Size: NQ

R.L. Site: 394m (1291' Depression: 55° Core Size:

Geologist: TURNER Sampler: Date Logged: 6/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	22.85							SANDSTONE, SILTSTONE, MUDSTONE & SOME SHALE grey, green, khaki. Bedding 50° to c/a at
Rec 0	3	1.4						3m, 50° to c/a at 13m.
3	5.1	2.05						Strong Mn oxidation and brecciation from
5.1	8.1	3.0						4.30m - 5.10m.
8.1	11.2	3.10						
11.2	14.2	3.0						
14.2	17.11	2.90						
17.11	17.77	0.66						
17.77	20.3	2.52						
20.3	21.5	1.19						
22.85	26.70							SILTSTONE, MUDSTONE & some SANDSTONE mauve, some green. Bedding 30° to c/a,
Rec 21.5	24.2	3.15						at 24.80m. Scattered thin siderite veining.
24.2	27	2.55						
27	29.5	0.65						
26.70	29.50							? GOSSAN, brecciated qtz with strong Fe-Mn enrichment.
Rec 29.5	30.4	0.9						
30.4	32.5	2.10						
32.5	34.2	1.70						
29.50	32.5							SILTSTONE, MUDSTONE and some SANDSTONE. Olive green, mauve, some cream. Bedding
Rec 34.2	35.5	1.30						45° to c/a at 30.70m.
35.5	37.6	1.65						

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: E.L. 7/68 | Co-ords. Collar: 18S+15.9W + 33'S | Drill: LY-5

Hole No: KH-20 | Bearing: | Bit Size:

R.L. Site: | Depression: | Core Size:

Geologist: TURNER | Sampler: | Date Logged: 6/10/72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
37.6	39.8	2.90	(Cont).					
32.5	43.8				SILTSTONE, MUDSTONE, AND SANDSTONE, mainly olive green, some cream and medium grey to			
Rec 39.8 41.70	41.70 44.40	1.80 2.70			black. Frequent siderite veining at 45° to c/a. Some veining is comb structure			
44.40	45.60	1.20			quartz-siderite. Some diagenetic pyrite. Minor Pb-Zn pyrite mineralization at 34m.			
					From 32m - 43.80m increasing brecciation and siderite veining. Bedding 50° to c/a			
					at 39m.			
43.8	45.5				SIDERITE, cream, massive, enclosing relics of Cc. Poor Pb-Zn-pyrite mineralization.			
					Sampled 43.8 - 44.8, 44.8 - 45.55m			
45.55	85				BRECCIA, light grey micaceous quartzite, and black graphitic slate. Severe brecciation.			
Rec 45.6 49	49 50.9	3.4 1.9			Shearing 40° to c/a at 52.60m, 50° to c/a at 63m, 50° to c/a at 80.50m.			
50.9 52.9 53.9	52.9 53.9 55	1.95 1.0 1.10			Scattered thin siderite and quartz-siderite veins, opposing the shearing direction.			
55 59.2 63	59.2 63 66.2	4.0 3.8 3.05			Some diagenetic pyrite.			
66.2 69.3 72.3	69.3 72.3 75.3	3.01 3.0 3.0						

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Drilling Record Sheets

Project: E.L. 7/68 Co-ords. Collar: Drill: LY-5

Hole No: KH-20 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: TURNER Sampler: Date Logged:

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
Recovery Cont.								
75.3	79.4	4.10						
79.4	81.4	1.45						
81.4	82	0.55						
82	82.93	0.90						
82.93	85	1.50						
			END OF HOLE 85 metres.					

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Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68 Co-ords. Collar: 22S+138W +20'N Drill: LY-5

Hole No: KH-21 Bearing: 80°T Bit Size: NQ BQ 124.74m→

R.L. Site: 398.22m (1308') ASL Depression: 60° Core Size:

Geologist: TURNER Sampler: TURNER Date Logged: 17-18th Nov. '72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0m	13.52m		1	€c				SILTSTONES, SANDSTONES, some MUDSTONES, mauve, occasional light olive green. Bedding 35° to c/a at 6m, and 10m. Limonite stained quartz vein rubble from 11.08-11.58m.
13.52m	14.76m		2					BRECCIA, siltstones, sandstones, some mudstones, mauve and light grey. Some Fe-Mn oxidation. Sampled 14.0-14.5m
14.76m	16.87m		3					SIDERITE, massive with disseminated Pb with lesser Zn and pyrite mineralization. Occasional slight oxidation. Veining at 30-35° to c/a. Occasional siltstone relics. Sampled 14.5-15.0m, 15.5-16.0m, 16.0-17.0m.
16.87m	20.12m		4	€c				SILTSTONE, MUDSTONE, light grey, pink grey; mild to strong brecciation. Frequent siderite veining with minor Pb-Zn and Pyrite mineralization.
20.12m	20.52m		5	€c				BRECCIA, black ?siltstone-slate, and siderite. Some fine Pb and pyrite mineralization shearing at 60° to c/a.
20.52m	26.35m		6	€c				SILTSTONE, MUDSTONE and SANDSTONE, mauve,

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Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68 Co-ords. Collar: 22S+138W +20'N Drill: LY-5

Hole No: KH-21 Bearing: 80°T Bit Size: NQ→BQ 124.74m

R.L. Site: 398.22m (1308') ASL Depression: 60° Core Size:

Geologist: TURNER Sampler: TURNER Date Logged: 17-18th Nov. '72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								green, grey mild brecciation, frequent siderite veining-also qtz-siderite veining. Sampled
26.35m	26.85m		7					26.0m-26.5m SIDERITE, Massive, with Pb and lesser Zn mineralization. Veins at 45° to c/a. Sampled 26.5m-27.0m.
26.85m	31.96m		8	€c				SANDSTONE, SILTSTONE, and MUDSTONE, mauve, green light grey and cream. Frequent siderite veining. Sampled 27.0m-27.5m
31.96m	35.05m		9	€c				BRECCIA, black siltstone and shale. Intense siderite veining. Some colloform Zn and minor Pb min^{n} at 34.15m at 25° to c/a.
35.05m	54.80m		10	€c				SILTSTONES, SANDSTONE and some MUDSTONE, grey, black, green and mauve. Frequent siderite veining. Bedding 45° to c/a at 48.5m. Siderite vein at 35° to c/a at 45.25m containing some Pb-Zn min^{n}. Bedding 35° to c/a at 54.60m.
54.80m	60.70m		11	€c				SILTSTONE, SANDSTONE, pale olive-green. Frequent siderite and some qtz-siderite veining.

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Drilling Record Sheets

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Comet-Kos

Project: E.L. 7/68 Co-ords. Collar: 22S+138W +20'N Drill: LY-5

Hole No: KH-21 Bearing: 80°T Bit Size: NQ→BQ 124.74m

R.L. Site: 398.22m (1308') ASL Depression: 60° Core Size:

Geologist: TURNER Sampler: TURNER Date Logged: 17-18th Nov. '72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
60.70m	68.64m		12	€c				SILTSTONES, MUDSTONES and some SANDSTONE conglomerate and minor fine quartzite. Conglomerate contains some ?fuchsite. Mild to strong brecciation throughout. Some siderite and siderite-qtz veining occasionally with minor Pb-Zn mineralization. From 66.74m-67.00m massive siderite enclosing some relic sedimentary fragments. Vein at 55° to c/a.
68.64m	94.46m		13	€c				SILTSTONE, Light grey-black quartzite. Light medium grey, sandstone-conglomerate medium-dark grey and some slates, blacking, graphitic with diagenetic pyrite. Well laminated. Occasional ?diagenetic pyrite. Mild brecciation with frequent siderite and qtz-siderite veining Bedding 40° to c/a at 72m, 40° at 78m. 40oto c/a at 87m. From 91.20m-94.46m mild brecciation with siderite and some qtz-siderite veining.
94.46m	104.00m		14	€c				?SERPENTINIZED, fine grained ?volcanic rock. White speckled grey-green coloured. Frequent ovoid dark olive green-black ?talcose ?blobs close to upper contact. Occasional "spiderweb" diagenetic fabric present. Massive qtz-siderite veining from 93.55m-93.65m, 93.87m-96.27m. Occasional fine

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Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68 Co-ords. Collar: 22S+138W +20'N Drill: LY-5

Hole No: KH-21 Bearing: 80°T Bit Size: NQ→BQ 124.74m

R.L. Site: 398.22m (1308') ASL Depression: 60° Core Size:

Geologist: TURNER Sampler: TURNER Date Logged: 17-18th Nov. '72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					siderite veining.			
104m	113.15m		15	€c	BRECCIA, SILTSTONE, QUARTZITE and some SAND STONE, well laminated light-dark grey cemented by siderite and qtz-siderite veining. Some massive veining up to 0.20m wide.			
113.15m	118.90m		16	€c	?SERPENTINIZED, fine grained ?volcanic rock. White speckled grey-green coloured.			
118.90m	128.84m		17	€c	SILTSTONES, MUDSTONES, Light-dark grey cream pink cream laminated. Lighter shades contain diagenetic pyrite. Moderate contortion.			
128.84m	131.82m		18	€c	?SERPENTINIZED, fine grained ?volcanic rock. White speckled grey-green coloured.			
131.82m	142.10m		19	€c	SILTSTONES, MUDSTONES and SANDSTONES, Light grey-black. Well laminated. Bedding 55° to c/a at 140m. From 133.30-137.50m a zone of moderate brecciation with coarse siderite and calcite veining generally at 50° to c/a.			
142.10m	143.92m		20	€c	SILTSTONES and MUDSTONES, grey, green pink			

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Drilling Record Sheets

Comet_Kos

Project: E.L. 7/68 Co-ords. Collar: 22S+138W +20'n Drill: LY-5

Hole No: KH-21 Bearing: 80°T Bit Size: NQ→BQ 124.74m

R.L. Site: 398.22m (1308') ASL Depression: 60° Core Size:

Geologist: TURNER Sampler: TURNER Date Logged: 17-18th Nov. '72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					and cream. Well laminated. Moderate to strong brecciation cemented with siderite-			
					calcite.			
143.92m	191.20m		21	€c	SILTSTONES, MUDSTONES and some SANDSTONES,			
					essentially mauve but with some green, grey,			
					pink and cream. Some diagenetic pyrite in			
					lighter shades. Occasional zones of breccia-			
					tion cemented with siderite-calcite and			
					occasional qtz-CO3 to varying degrees over			
					narrow zones, eg. between 152.00m-163m.			
					Also at 177.30 and from 180.40-180.70m. Bedding			
					40° to c/a at 150m, 50° to c/a at 165m, 55°			
					to c/a at 183m.			
191.20m	212.44m		22	€c	SILTSTONES, MUDSTONES and some SANDSTONES,			
					Essentially light olive-green and grey-green.			
					Very minor mauve. From 200.56-200.80m strong			
					qtz minor siderite veining. Bedding 60° to			
					c/a at 203.50m			
					END OF HOLE 212.44m			

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Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68

Co-ords. Collar: 22S+138W +20'N

Drill: LY-5

Hole No: KH-21

Bearing: 80°T

Bit Size: NQ-BQ 124.74m

R.L. Site: 398.22m (1308') ASL

Depression: 60°

Core Size:

Geologist: TURNER

Sampler: TURNER

Date Logged: 17-18th Nov. '72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					TROPARI			
			DEPTH		AZI. (T)			
			61m	56	84.5			
			137m	52	86			
			183m	43	93			
			212m	39	89.5			

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Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68 **Co-ords. Collar:** 22S+138W +20'N **Drill:** LY-5

Hole No: KH-21 **Bearing:** 80°T **Bit Size:** NQ→BQ 124.74m

R.L. Site: 398.22m (1308') ASL **Depression:** 60° **Core Size:** 17-18th

Geologist: TURNER **Sampler:** TURNER **Date Logged:** Nov.'72

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
RECOVERY;								
0m	2.43m	1.85m				25.50m	27.36m	1.86m
2.43m	4.10m	1.60m				27.36m	28.56m	1.20m
4.10m	7.77m	3.60m				28.56m	30.76m	2.20m
7.77m	9.67m	1.80m				30.76m	33.83m	3.07m
9.67m	11.58m	1.60m				33.83m	35.05m	1.05m
11.58m	13.52m	1.90m				35.05m	35.66m	.61m
13.52m	14.47m	0.60m				35.66m	38.71m	2.98m
14.47m	16.87m	2.40m				38.71m	40.53m	1.80m
16.87m	17.70m	.75m				40.53m	41.30m	0.40m
17.70m	20.12m	2.40m				41.30m	42.91m	1.60m
20.12m	23.47m	3.25m				42.91m	44.87m	1.96m
23.47m	25.50m	1.94m				44.87m	45.70m	0.83m

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68 | Co-ords. Collar: 22S+138W +20'N | Drill: LY-5

Hole No: KH-21 | Bearing: 80°T | Bit Size: NQ→BQ

R.L. Site: 398.22m (1308') ASL | Depression: 60° | Core Size: 124.74m

Geologist: TURNER | Sampler: TURNER | Date Logged: 17-18th Nov. '72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
45.70m	48.84m	3.00m				84.45m	87.50m	3.05m
48.84m	51.80m	2.96m				87.50m	90.54m	3.04m
51.80m	54.65m	2.85m				90.54m	93.60m	3.05m
54.65m	57.65m	2.95m				93.60m	96.71m	3.10m
57.65m	60.53m	2.88m				96.71m	99.66m	2.95m
60.53m	63.43m	2.90m				99.66m	102.70m	3.04m
63.43m	64.95m	1.52m				102.70m	105.45m	2.75m
64.95m	67.30m	2.30m				105.45m	108.84m	3.39m
67.30m	70.58m	3.28m				108.84m	111.64m	2.80m
70.58m	75.30m	4.72m				111.64m	114.42m	2.78m
75.30m	78.31m	3.01m				114.42m	117.40m	2.98m
78.31m	81.37m	3.05m				117.40m	120.36m	2.96m
81.37m	84.45m	3.08m				120.36m	123m	2.64m

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Comet-Kos

Project: E.L. 7/68 | Co-ords. Collar: 22S+138W +20'N | Drill: LY-5

Hole No: KH-21 | Bearing: 80°T | Bit Size: NQ→BQ 127.74m

R.L. Site: 398.22m (1308') ASL | Depression: 60° | Core Size:

Geologist: TURNER | Sampler: TURNER | Date Logged: 17-18th Nov. '72.

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
123m	124.74	1.74m						
124.74m	148.04		100%					
148.04m	170.96m		100%					
170.96m	193.36m		100%					
193.36m	212.44m		100%					

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 22S+18.7W + 70' S (Comet) Drill: LY5

Hole No: KH 23 Bearing: 70° Bit Size: NQ-72.9m BQ-Bottom

R.L. Site: Depression: 70° Core Size:

Geologist: DISCALA Sampler: DISCALA Date Logged: 10-13/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	37.3m							MUDSTONE: From pink to cream. Abundant limonite veinlets. Disseminated blebs of pyrite.
37.3	38.9m							SILTSTONE: Light grey. Thin carbonate veinlets.
38.9	69.41m							MUDSTONE: From cream to pink from 38.9m - 58.8m, black from 58.8m to 69.4m With occasionally interbedded arenaceous and rudaceous layers. From 45-45.23m a layer of a greenish, talcose (volcanic?) rock is interbedded. Brecciation from 56.2-69.6m.
69.41	71.93m							SILTSTONE: grey, dolomitic. Minor blebs of Pbs (minor Zns) are associated with carbonate veins at the contact with the mudstone.
71.93	79.59m							MUDSTONE: From cream to black. Brecciated. ~~Minor Pbs, Zns blebs occur mostly at 74.10m.~~ Disseminated nodules of pyrite.
79.59	81.80m							SILTSTONE, brecciated. Fragments of mudstone are enclosed in the ~~silty matrix.~~
81.80	152.05m							MUDSTONE: black, cream, mauve, purple. ~~Layers of greenish (volcanic?) rock are interbedded~~ at 100.3m and at 112.10m (about 20cm. thick) Minor mineralization is associated with the

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 22S+18.7W +70' S(Comet) Drill: LY5

Hole No: KH23 Bearing: 70° Bit Size: NQ-72.9m BQ- Bottom

R.L. Site: Depression: 70° Core Size:

Geologist: DISCALA Sampler: DISCALA Date Logged: 10-13/2/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								abundant siderite veins; from 84.13-88.90m and at 104m minor Pbs blebs; from 125.40-126.90m; scattered Zns, Pbs stringlets, seldom up to 1-2cm wide. Pyrite nodules are very abundant. From 147.4m abundant barren, carbonate veins up to 15cm thick. Bedding 60° to c/a at 141.25m
152.05	160.49m							DOLOMITE: greenish. Thin barren carbonate veins.
160.49	196.28m							MUDSTONE, black-SILTSTONE, grey and purple, SHALE black. Layers of SANDSTONE from 179.30m. From 170-172m, carbonate veins with very minor Zns blebs. Intense brecciation from 190.45-193.80m.
196.28	199.74m							BRECCIA, Fragments of siltstone and black slate are enclosed in a dolomitic matrix. Abundant carbonate veins contain pyrite with very minor Pbs blebs.
199.74	230.24m							SLATE, black, graphitic, strongly sheared. Micaceous quartzite layers are interbedded. Bedding is 80° to c/a at 230m. The contact between the Slate-Quartzite sequence (Oonah form) and the overlying rocks of the Crimson Creek form appears to be along a major fault.
					BOTTOM OF HOLE			

GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 22S+18.7W + 70ft S(Comet) Drill: LY5

Hole No: KH23 Bearing: 70°

Bit Size: NQ-72.9m BQ-Bottom

R.L. Site: Depression: 70° Core Size:

Geologist: DISCALA Sampler: DISCALA Date Logged: 10-13/2/73

From	To	Length Run Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
RECOVERY:				SAMPLING:			
0m	13.42m	2.4m		From 125.40-126.23m			
13.42	17.06m	2.3m		From 126.23-126.90m			
17.06	20.72m	2.3m					
20.72	23.53m	2.8m					
23.53m	27.11m	3m					
27.11	29.85m	100%					
29.85	33.16m	2.9m					
33.16m	75.38m	100%					
75.38	78.03m	2.6m					
78.03	78.63m	0.4m					
78.63	81.80m	100%					
81.80	82.17m	100%					
82.17	84.13m	1.64m					
84.13m	230.34m	100%					

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Drilling Record Sheets

Montezuma

Project: EL 7/68 Co-ords. Collar: 47.5N/2.1E +0.3S Drill: LY 5

Hole No: MzN 3 (DDH) Bearing: 255°T Bit Size:

R.L. Site: Line approx. 2080'ASL Depression: 60° Core Size: NQ/BQ

Geologist: DKersnaw Sampler: Date Logged: 15/2/73 56,69

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	1.52	1.52	1.45					0-25.19m Quartzose slate, dark grey-black, banding
1.52	4.88	3.36	3.16					@65° c/a, plastic distortion and folding of banding.
4.88	7.32		2.60					At 1.06m carbonate vein 5mm wide (siderite?)
7.32	8.69		1.03					At 2.06m intense brecciation (slumping) and folding for 0.3m. At 4.88m very minor disseminated pyrite.
8.69	10.97		2.41					At 5.48m minor galena for 0.3m. At 7.87m Breccia with carbonate veins for
10.97	(13.78)	35.87	5.80					0.2m. At 10m, minor galena for 0.6cm.
(13.78)	? 16.84							At 11.81m, Pyrite in thin widely spaced veins At 12.81m, The banded nature of light grey quartzite and shale more pronounced. Boudonage structures developed.
16.84	18.06	1.22	1.20					
18.06	20.12		2.19					At 15.41m, Pb-Zn mineralization for 0.8cm. At 14.60m, Pyrite disseminated along carbonate veins about 7mm wide and @ varying angles to c/a (35°-80°) to 15.60m.
20.12	24.38		4.10					
24.38	24.99		0.90					At 15.74m, Quartzite most prominant for 2m. There after shale very rich with quartz. Pyrite pod.
24.99	26.21		1.05					At 24.40 to 25.19m, Laminated black shale and grey quartzite severely distorted-35° c/a.
								From 24.74m to 24.85m, siderite veins.

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Drilling Record Sheets

Montezuma

Project: EL 7/68 Co-ords. Collar: 47.5N/2.1E +0.3S Drill: LY5

Hole No: Mzn 3(DDH) Bearing: 225°T Bit Size:

R.L. Site: Line approx 2080'ASL Depression: 60° Core Size: NQ/BQ

Geologist: DK Sampler: Date Logged: 15/2/73 56.69

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
26.21	29.26		3.61		25.19-26.08m ~~Quartzite light~~ grey fine grained, banded.			
29.26	30.79		1.50		26.08m-26.45m Quartzose slate banded med. grey.			
30.79	31.69		0.98		26.45-26.71m Breccia with quartzite and slate fragments disseminated and bands of pyrite.			
31.69	34.59		2.90		26.71-28.92m Slate, black, pods of pyrite occasional bands of quartzite and thin veins of carbonate (siderite? dolomite?)			
34.59	34.75		0.12		28.92-29.95m Quartzite, medium grey fine grained.			
34.75	38.10		3.42		29.95-34.75m Slate, black quartzose bands distorted and			
38.10	44.42		6.40		broken, minor pyrite and siderite.			
44.42	47.55		2.96		34.75-34.98 Quartzite, light grey with minor slate bands very minor pyrite mineralization.			
47.55	50.60		2.93		34.98-41.32m ~~Slate, black, minor pyrite.~~			
50.60	53.65		3.00		41.32-44.70m Slatey quartzite medium grey,			
53.65	56.69		3.89		minor pyrite and chalcopyrite. Quartz increases over interval to quartzite.			
56.69	59.74		2.69		44-70-46.97m Slate, black broken quartzite bands, stronger development of pyrite.			
59.74	61.19		0.70					

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GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

Montezuma

Page 3

Project: EL 7/68 Co-ords. Collar: 47.5N/2.1E +0.3S Drill: LY 5

Hole No: Mzn 3 (DDH) Bearing: 255°T Bit Size:

R.L. Site: Line approx. 2080'ASL Depression: 60° Core Size: NQ/BQ 56.69

Geologist: DK Sampler: Date Logged: 15/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
61.19	62.18		1.02		46.97-47.88m			
62.18	65.84		3.47		Quartzite, light grey with slate bands well developed pyrite mineralization.			
65.84	68.88		3.07		47.88-49.11m,			
68.66	71.93		2.39		Slatey quartzite mottled grey and white pyrite mineralization.			
71.93	74.98		3.05		49.11-49.26m			
74.98	77.32		2.20		Quartzite.			
77.32	79.55		2.35		49.26-49.91m			
79.55	80.08		1.48		Slatey quartzite medium grey. Banded.			
80.08	84.13		3.02		49.91-58.23m			
84.13	87.17		3.02		Quartzite, with slate bands or slate with quartzose bands. Banding about 2 to 4 mm.			
					Very minor sulphide mineralization (pyrite).			
					58.23-59.06m			
					Quartzite, medium-dark grey, fine grained.			
					59.06-71.93m			
					Alternating bands of slate and quartzite with slate dominating.			
					At 59.57, distinct quartzite band for 0.3m.			
					At 63.37m, for 0.3m o.27m quartzite.			

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Drilling Record Sheets

Project: EL 7/68 Montezuma Co-ords. Collar: 47.5N/2.1E +0.3S Drill: LY 5

Hole No: Mzn 3(DDH) Bearing: 255°T Bit Size:

R.L. Site: Line approx 2080'ASL Depression: 60° Core Size: NQ/BQ

Geologist: DK Sampler: Date Logged: 56.69 15/2/73

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
87.17	90.22		3.22		71.93-72.23m Slate, black with alternating white quartz veins with pyrite @ about 80°c/a.			
90.22	92.35		2.06		72.23-73.52m; Slatey quartzite, medium grey, very thin banding about 1mm.			
92.35	96.32		3.88					
96.32	97.54		1.39		73.52-74.02m; Quartzose slate, dark grey to black.			
97.54	99.36		1.77		74.02m 78.41m; Slatey quartzite, light grey, with dark grey slate bands < 5mm Minor distorted and brecciated zones as at 77.47m			
99.36	102.41		3.09					
102.41	105.10		2.57		78.41-78.76m Quartzite, light grey fine grained.			
105.10	108.51		3.43		78.76-79.85m Quartzose slate, dark grey, well banded.			
108.51	110.03		1.50		79.85-87.07m Quartzite, light grey irregular quartz veins about parallel to c/a. From 80.05m-80.65m, not well banded. From 81.40-81.60, Quartzose slate with quartzite banding. From 81.88-82.01m, Slatey quartzite well banded. From 82.48-82.50m, white quartz veining at			
110.03	111.51		1.34					
111.51	112.78		1.22					
112.78	114.30		1.37					

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Drilling Record Sheets

Project: EL 7/68 Montezuma Co-ords. Collar: 47.5N/2.1E +0.3S Drill: LY 5

Hole No: Mzn 3 (DDH) Bearing: 255°T Bit Size:

R.L. Site: Line approx. 2080'ASL Depression: 60° Core Size: NQ/BQ

Geologist: DK Sampler: Date Logged: 15/2/73 56.69

From m	To m	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					about 45° c/a.			
114.30	116.74		2.31		From 83.78-84.59m, Quartzite shows the typical			
116.74	119.86		3.10		banding. From 85.65-85.90m, Slate, black.			
119.86	122.92		3.14		87.07-88.00m Disturbed zone sheared, brecciated slate and			
122.92	126.03		2.97		quartzite, in filled with white quartz and siderite. Fault at 87.07m. Minor Pyrite.			
126.03	126.33		0.37		88.00-90.92m Quartzite, light grey with thin slate bands			
126.33	129.39		3.17		minor brecciated zone @ 88.24m 90.92m-92.67m			
129.39	132.89		3.60		Slate, black with small quartzite bands, 92.67-94.44m			
132.89	135.94		3.05		Slatey quartzite medium to dark grey. 94.44m-95.24m			
135.94	136.86		0.95		Quartzose slate black, folded, and disturbed.			
					95.44-103.75m Slatey quartzite medium to dark grey. Dis-			
					turbed zones of small folds and faults. 103.75-103.80m			
					Pyrite pod. 103.80-110.13m			
					Slate, black, thin			< 2mm white dolomite

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Drilling Record Sheets

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Montezuma

Project: EL 7/68 Co-ords. Collar: 47.5N/2.1E +0.3S Drill: LY 5

Hole No: Mzn 3 (DDH) Bearing: 255°T Bit Size:

R.L. Site: Line approx. 2080'ASL Depression: 60° Core Size: NQ/BQ 56.69

Geologist: DK Sampler: Date Logged: 15/2/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					veins widely spaced. 110.13-136.86m			
					Quartzite, light grey to white with strong dolomite veining throughout. Minor Pyrite disseminated throughout.			
					END OF HOLE AT 136.86m			
	SUMMARY: Hole was drilled to investigate VLF anomaly. Rock type is essentially black shale and quartzites interbedded. No significant mineralization was found but pyrite was finely disseminated in both rock types.							

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Drilling Record Sheets

PAGE 1

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E + 0.3S Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ 79.24

Geologist: D. KERSHAW Sampler: Date Logged: 6/3/73

From m	To m	Length Run	Length Core m	% Rec.	Sludge Wt.	No. Metres	Assay Value	Summary Geological Log feet in brackets.
0	5.18		2.98					0-11.20m (0-36.64'): Predominantly slate, dark grey, with thin (<1mm) quartzite bands.
5.18	8.23		3.17					Commonly quartzite bands have been deformed by folding and slip planes to give brecciated texture or boudins. Minor pyrite stringers are parallel to cleavage particularly
8.23	10.36		2.04					with disturbed zones.
10.36	11.89		1.46					Quartzite has been chloritized in places.
11.89	14.33		2.33					Talc has developed along some shears. Dolomite and siderite? veins are present often
14.33	20.42		6.02					associated with milky quartz veins.
20.42	23.47		2.67					0.5-0.62m (1.64'-2.02'): Predominantly quartzite 0.62-1.50m (2.02'-4.92'): Disturbed zone.
23.47	25.47		2.35					2.62-5.57m (8.60'-18.27') Disturbed zone. Siderite @ 5.18m with pyrite stringers.
25.47	26.05		0.37					5.57-7.00m (18.27'-22.86'); Predominantly quartzite medium grey, fine grained.
26.05	29.10		3.23					At 5.37m (17.60') Dolomite vein @ 40° c/a and 5mm wide.
29.10	35.66		6.36					9.03-9.36m (29.48'-30.62'); Minor stringers of pyrite @ 38° c/a.
35.66	38.70		3.70					At 9.06m (29.62'), Dolomite vein 2 cm wide. 11.20-11.89m (36.64'-38.97'); Slate, black
38.70	41.76		2.46					

N.B. % Recovery only approx. due to metric/imperial conversions.

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Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: 47.5N + 4.1E + 0.3S | Drill: Ly 5

Hole No: MzN 4 | Bearing: | Bit Size:

R.L. Site: | Depression: 75° | Core Size: NQ-BQ

Geologist: D. Kershaw | Sampler: | Date Logged: 6/3/73

From m	To m	Length Run	Length Core m	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
41.76	44.81		2.97					with minor quartzite banding. Broken dolominite veining @ 11.20m (36.64')
44.81	47.55		2.67					11.89-15.92m (38.97'-52.30'): Quartzite
47.55	50.90		3.26					and slate banding with quartzite dominating, light grey.
50.90	53.95		3.01					15.92-16.14m (52.30'-53.00'): Black slate.
53.95	55.93		2.03					16.14-20.08m (53.00'-65.70'): Slate domin-
55.93	58.98		2.99					ant with finely banded quartzite. At 18.25m shear zone 5 cm wide.
58.98	60.05		1.03					20.08-21.85m (65.70'-71.80): Disturbed
60.05	63.09		3.00					zone predominantly quartzite with minor carbonate veins and associated minor pyrite
63.09	66.14		3.00					21.85-42.00m (71.80'-137.8'): Slate, dark
66.14	68.28		2.09					grey, predominant, with quartzite in thin banding <1mm, pyrite disseminated mostly
68.28	71.17		2.97					throughout. Minor, irregular <2mm carbon- ate veins particularly from 24.57m-24.87m.
71.17	72.24		0.54					23.47m-31.30m (77.30'-102.60'): Pyrite *
72.24	78.18		6.62					well developed in both slate and quartzite 28.14-28.30m (92.20-92.80') Light grey

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N+4.1E+0.3S Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: Core Size: NQ-BQ 79.24

Geologist: D. Kershaw Sampler: Date Logged: 6/3/73

From m	To m	Length Run	Length Core m	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
78.18	78.33		0.18					quartzite. 27.05-27.45m (88.80'-90.20'): Quartzite
78.33	79.24		0.98					predominant with disseminated pyrite. At 34.58m; 1mm wide dolomite vein 50° to
79.24	81.38		2.12					c/a and foliation possibly original bedding @ 30° c/a. After 28.50 the amount of
81.38	84.43		3.00					pyrite is negligible
84.48	87.48		3.01					42-42.42m (137.80'-139.20'): Light grey
87.48	90.53		2.94					quartzite and black slate in alternating bands. Quartzite is better developed than
90.53	93.57		3.00					above with bands (or continuous boudins) 2cm wide.
93.57	96.70		2.53					42.42-42.79m (139.20'-140.50'): Slate
96.70	99.80		3.05					dominant with slate and quartzite laminae.
99.80	102.50		2.63					42.79-43.10m (140.50'-141.4'): Quartzite
102.50	105.80		3.12					bands and boudins with slate. Quartzite bands @ 18° c/a .
105.80	109.00		3.12					43.10-55.70m (141.4'-182.50'): Slate
109.00	112.00		3.91					dominant but quartzite foliatious bands and boudins well developed in places.

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Drilling Record Sheets

PAGE 4

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E + 0.3S Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ 79.24

Geologist: D. KERSHAW Sampler: Date Logged: 6/3/73

From m	To m	Length Run	Length Core m	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
112.00	115.00		2.30					48.50-48.76m; Bands of quartzite boudins with minor pyrite mineralization.
115.00	117.40		2.09					At 50.00m; Quartzite very rich in pyrite for 4 cm @ 20° c/a.
117.40	120.00		2.78					At 52.57m; Carbonate vein <1mm @ 22° c/a. At 53.75m for 0.16m broken quartzite with slip planes and slump structure.
120.00	121.00		1.10					At 55.21m; Pink calcite vein <1mm.
121.00	123.60		2.43					55.70-57.24m (182.50'-187.3'): Quartzite
123.60	126.20		2.65					and slate, quartzite dominant with pyrite mineralization.
126.20	127.10		0.97					57.24-71.17m (187.3'-232.5'): Dominantly
127.10	129.20		2.13					slate with quartzite foliations or laminae. Minor pyrite veins cut c/a @30° at 57.21m,
129.10	130.10		0.90					57.94m, 58.11m, 58.44m, 58.60m, 59.24m, 60.52m, 62.16m, 62.66m, 61.27. From
130.10	131.40		1.22					60.82-61.08m zone of broken quartzite foliation with pyrite pods and veins well developed. From 63.37 to 63.57m; Pods, veins and massive pyrite well developed with
131.40	131.90		0.70					slate and broken quartzite bands.
131.90	135.90		3.90					From 63.57-77.17m; Pyrite is irregularly distributed throughout the core in veins
135.90	138.50		2.83					and pods and is particularly associated

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E+0.3S Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ 79.24

Geologist: D. Kershaw Sampler: Date Logged: 6/3/73

From m	To m	Length Run	Length Core m	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
138.50	142.00		2.83					with quartzite. 68.17-69.1m; Minor galena and sphalerite.
142.00	143.60		1.60					71.17-75.02m (232.5'-246.3'): Quartzite
143.60	145.50		0.96					dominates black slate, quartzite largely broken up.
145.50	147.50		2.14					From 71.17-73.24m; Minor Pb-Zn mineralization and pyrite.
147.50	150.00		2.26					75.02-79.24m (246.3'-250.9'): Foliated
150.00	152.10		1.93					quartzite and shale in near equal proportions. Laminae about 90°c/a. Minor Pb-Zn
152.10	153.00		0.77					mineralization and pyrite particularly from 76.69-77.10m, and at 78.18m and from
153.00	154.00		1.02					78.43-78.73m as irregular thin <2mm veins. 78.75-79.08m; Minor Pb-Zn associated with
154.00	154.20		0.36					pyrite.
154.20	155.90		1.23					79.24-82.21m (250.9'-269.8'): Dominantly
155.90	156.30		0.70					slate, dark grey, with quartzite laminae. Minor pyrite.
156.30	157.00		0.72					82.21-84.64m (269.8'-276.8'): Broken
157.00	158.30		1.60					quartzite dominates over black shale. Some Pb-Zn. Pyrite @ 82.62m.

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GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

PAGE 6

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E + 0.3S Drill: LY5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ

Geologist: D. Kershaw Sampler: Date Logged: 6/3/73

79.24

From m	To m	Length Run	Core m	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
158.80	160.20		1.27					84.64-92.38m (276.8'-302.1'): Medium grey quartzitic slate and quartzite. Medium grey. Minor pyrite.
160.20	161.50		1.60					
161.50	163.50		1.76					92.38-96.22m (302.1'-315.0'): Black slate and broken light grey quartzite boudins.
163.50	165.00		1.30					
165.00	166.20		1.14					96.22-98.78m (315.0'-325.4'): Quartzite light grey minor sphalerite @ 97.92m.. Occasional black slate bands @ 40° c/a.
166.20	168.00		1.35					
168.00	169.10		1.20					98.78-107.08m (325.4-350.8'): Medium grey, quartzitic slate containing zones of broken quartzite. Massive sphalerite and siderite follows half core from 99.70-99.99m and for 3 cm at 104.91m. Sphalerite veins < 2mm @ 103.14m and @ 103.72m and @ 103.79. Thin siderite stock works from 104.12 for 0.25m. Minor pyrite veins and pods in places. Sphalerite with pyrite and siderite vein follows core from 106.21m for 0.13m.
169.10	170.69		1.30					
END OF HOLE								
AT 170.69m								
	(560'							

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E+0.3S Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ

Geologist: D. KERSHAW Sampler: Date Logged: 6/3/73 79.24

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								107.08-108.25m (350.8'-354.00'): Quartzite, light grey.
								108.25-138.68m (354.0'-454.0'): Alternating laminae and bands of dark grey to black slate and quartzite. Banding in general <1mm but zones of both slate and quartzite up to 0.3m in places and also minor sphalerite. One zone of massive pyrite is developed. At 113.00m for 0.1m massive pyrite with quartzite. At 114.27m; 0.01m wide vein of pyrite and galena. At 115.55m; 0.02m wide siderite vein with a spec of chacopyrite. At 116.22 for 0.15m coarsely disseminated pyrite in quartzite. From 116.37-116.78m; black slate with stringers of milky quartz. At 116.88 for 0.02m Quartzite with pyrite. At 118.43; 0.5cm vein of siderite, sphalerite pyrite with spec of chalcopyrite. From 120m-125.46m; pyrite gradually increases in quantity with over 40 veins (<1mm)

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E + 0.3S Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ 79.24

Geologist: D. KERSHAW Sampler: Date Logged: 6/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								developed along with pods and disseminations in the quartzite.
								From 125.46-126.42m; Pyrite and milky quartz stringers well developed with quartzite and also slate.
								From 126.42-126.72m; Massive pyrite. *
								At 130.22m; Carbonate vein.
								At 131.13m; Massive milky quartz and carbonate veins.
								At 132.44m; white quartz and carbonate veins for 0.2m.
								At 133.49m; White quartz and carbonate veins for 0.22m.
								138.68-139.74m (454.0'-457.0'): Quartzite with some black shale banding in places. Pyrite vein at 136.18m.
								139.74-143.37m (457'-470'): Alternating slate and quartzite.
								143.37-145.00m (470'-475'): Micaceous quartzite light grey, medium grained.

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GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N + 4.1E+0.3$ Drill: LY 5

Hole No: MzN 4 Bearing: Bit Size:

R.L. Site: Depression: 75° Core Size: NQ-BQ

Geologist: D. KERSHAW Sampler: Date Logged: 6/3/75 79.24

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
					145.00-148.79m (475'-487'): Alternating quartzite and slate.			
					148.79-150.50m (487'-493'): Quartzite medium grained, light grey.			
					150.50-170.69m (493'-560'): Alternating quartzite and slate. From 152.22-153.00m; Light grey medium grained quartzite. From 154.20-155.30m; Black slate. From 157.53-158.50m; Quartzite, light grey. From 162.74m-163.31m; White quartz and cream siderite. From 163.63-163.83m; White quartz and siderite.			

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N - 4.1E/0.3S Drill: LY 5

Hole No: MzN5 Bearing: 300° Bit Size: NQ-310'-BQ

R.L. Site: 2150' Depression: 70° Core Size: NQ

Geologist: D. KERSHAW Sampler: Date Logged: 9/3/73

From '	To '	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0'	11'0"	11'	1'3"		0-9'9": No recovery.			
11'3"	14'6"	3'6"	3'6"		9'9"-14'11": Black slate, thin quartzite laminae and boudins. Minor pyrite (secondary) infills shears @ 50° c/a with serpentinite and talc.			
14'6"	24'0"	9'6"	10'10"					
24'0"	32'4"	8'4"	7'9"					
32'4"	41'0"	8'8"	8'7½"		14'11"-20'2": Quartzite, dark grey medium grained.			
41'0"	46'0"	5'0"	5'1"					
46'0"	50'6"	4'6"	3'11"		20'2"-83'2": Black slate, thin quartzite laminae and boudins. At 23' for 7" black slate with carbonate veining and minor pyrite. At 33'3" for 1'0" shale has conspicuous finely disseminated pyrite. At 35'3" for 1'3" white quartz and cream carbonate veins cut core @ about 40°. At 39'6" for 11", Quartz, dolomite veining trending at 35° c/a. Graphite present. At 55'9", White quartz and dolomite vein 2½" wide. At 59'; Several pyrite pods for 2".			
50'6"	57'0"	6'6"	6'9"					
57'0"	65'0"	8'0"	7'10"					
65'0"	71'0"	6'0"	5'10"					
71'0"	75'0"	4'0"	3'6"					
75'0"	84'6"	9'6"	9'8"					
84'6"	89'0"	3'6"	3'8"					

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Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: 47.5N - 4.1E/0.36 | Drill: LY 5

Hole No: MzN 5 | Bearing: 300° | Bit Size: NQ-310'-BQ

R.L. Site: 2150' | Depression: 70° | Core Size: NQ

Geologist: D. KERSHAW | Sampler: | Date Logged: 9/3/73

From '	To '	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
89'0"	96'0"	7'0"	6'9"					At 62'9" Pyrite pods. From 67'-98' very minor pyrite disseminated throughout core with occasional pods. From 80'2"-83'2"; Quartzite boundins with disseminated pyrite well developed.
96'0"	105'6"	9'6"	10'2"					
105'6"	112'0"	6'6"	6'3"					
112'0"	122'0"	10'0"	9'11"					83'2"-90'1"; Quartzite light grey, pyrite mineralization throughout. Sphalerite quartz (clear) veining particularly from 85'3" for 8".
122'0"	126'0"	4'0"	3'11"					
126'0"	136'0"	10'0"	9'11"					
136'0"	145'0"	9'0"	9'10"					90'1"-125'1": Shale and quartzite in alternating laminae with zones of quartzite but slate dominant. Minor pyrite from 94'1" for about 2'. Pyrite pod at 116'1".
145'0"	156'0"	9'10"	9'10"					
156'0"	164'6"	8'6"	8'0"					
164'6"	174'0"	9'6"	9'5"					125'1"-141'7": Quartzite light grey, fine to medium grain size, slate occasional. Carbonate veining at 129'6" for 8" at varying degrees to c/a (5° and 40°). Dolomite veins cut previous milky quartz veins.
174'0"	184'0"	10'	10'1"					
184'0"	195'0"	11'	10'2"					
195'0"	206'0"	11'	11'3"					

GEOPHOTO RESOURCES CONSULTANTS

611186

Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: 47.5N - 4.1E/0.3S | Drill: LY 5

Hole No: MzN 5 | Bearing: 300° | Bit Size: NQ-310'-BQ

R.L. Site: 2150' | Depression: 70° | Core Size: NQ

Geologist: D. KERSHAW | Sampler: | Date Logged: 9/3/73

From '	To '	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
206'0"	216'0"	10'	10'					141'7"-222'3": Black slate and quartzite
216'0"	226'0"	10'	10'					laminae or boudins. Black slate dominant. At 163'11"; 1'x2' pyrite pod. The slate
226'0"	236'0"	10'	10'					becomes more quartzitic down the run. Also quartized laminae are more distinct and
236'0"	246'0"	10'	9'9"					numerous. At 182'9"; light grey quartzite for 1'6".
246'0"	256'0"	10'	10'1"					At 192'11"; light grey quartzite with pyrite stringers and disseminations for 3'.
256'0"	266'0"	10'	9'11"					At 215'6" ¼" wide pyrite vein @ 10° c/a. At 120'2"; Quartzitic slate with pyrite
266'0"	276'0"	10'	10'1"					veinlets.
276'0"	286'0"	10'	9'10"					222'3"-227'8": Massive pyrite @ 35° c/a?.
286'0"	296'0"	10'	9'8"					Veins of Pb-Sb sulphide stibnite, galena, arsenopyrites.
296'0"	306'0"	10'	9'10"					227'8"-240': Black graphitic slate with
306'0"	309'0"	3'0"	3'0"					pyrite veinlets spec of galena and minor Pb-Sb sulphide.
Change to BQ at 309'								
309'0"	316'0"	7'0"	5'9"					240'-408'3": Contact @ about 35° c/a.
316'0"	326'0"		9'11"					Slate and quartzite lamina or boudins. Occasional dolomitic veins. Slate slightly

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GEOPHOTO RESOURCES CONSULTANTS

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Drilling Record Sheets

PAGE 4

Project: EL 7/68 Co-ords. Collar: 47.5N - 4.1E/0.3S Drill: LY 5

Hole No: MzN 5 Bearing: 300° Bit Size: NQ-310'-BQ

R.L. Site: 2150' Depression: 70° Core Size: NQ

Geologist: D. KERSHAW Sampler: Date Logged: 9/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
326'0"	336'0"		9'10"					dominant. Six inches of quartzite at 268'11".
336'0"	346'0"		9'7"					At 271'6"; Carbonate vein ¼" wide follows core for 8 inches.
346'0"	356'0"		9'10"					At 275'6"; Carbonate vein at low angle to core axis for 12".
356'0"	366'0"		9'4"					At 296'6"; Irregular pink 1" wide carbonate veins.
366'0"	376'0"		9'9"					At 307'2"; Minor sphalerite and galena? associated with <one-eight inch carbonate vein.
376'0"	386'0"		9'7"					At 311'5"; ¼" wide carbonate vein containing pyrite and chlorite @25°c/a.
386'0"	396'0"		9'6"					At 312'5": Galena mineralization less than ½".
396'0"	406'0"		10'0"					At 313'11"; ¼" siderite pyrite vein. From 313'-315'3"; Quartzite, light grey with minor pyrite.
406'0"	425'0"		18'11"					From 315'3"-327'; Occasional, thin≈one-sixteenth degree veinlets of carbonate (siderite) with pyrite and occasional galena and sphalerite.
425'0"	434'0"		9'0"					At 330'5"; spec of galena.
434'0"	446'		11'7"					At 3'10" 1" wide chlorite quartz carbonate vein.
446'	455'6"		9'3"					At 350'2"; Carbonate veins, broken and irregular trend along core for 8". Spec
455'6"	464'		7'10"					

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: 47.5N - Drill: LY 5

Hole No: MzN 5 Bearing: 300° 4.1E/0.3S Bit Size: NQ-310'-BQ

R.L. Site: 2150' Depression: 70° Core Size: NQ

Geologist: D. KERSHAW Sampler: Date Logged: 9/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								of galena at 372'10½"
								From 391'9"-406'3": Quartzite with occas-
								ional broken slate bands. Minor spharlite
								galena and pyrite veinlets contact @ 40°c/a.
								408'3"-419'8": Quartzite, light grey
								At 423'4"; Quartz pyrite with minor spha-
								lerite 1" wide 40°c/a.
								419'8"-464': Black slate and quartzite
								laminae and bands.

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1.

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Drill: LY 5

Hole No: MzN 6 Bearing: 220° Bit Size:

R.L. Site: Depression: 60° Core Size:

Geologist: D. KERSHAW Sampler: Date Logged:

From '	To '	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0'	13'6"	13'6'	9'11'		0'-181'11": Dominately black slate with			
13'6'	16'	2'6'	1'3"		medium to light grey quartzite laminae and bands. Quartzite tends to be broken into			
16'	22'	6'0'	6'3"		boudins in places.			
22'	26'	4'	3'4"		At 18'5" for 7" graphitic slate with carbonate (secondary) veining.			
26'	32'	6'	5'8"		At 27'3", 28'4", and 29'0" are biotite			
32'	43'	11'	10'10'		carbonate infills or veins ¼" wide and @35° c/a.			
43'	51'	7'1'	8'		At 38'8½";2" zone of carbonate stockworks			
51'	56'	5'0"	5'3"		and black graphitic slate.			
56'	65'	9'0'	8'9"		At 39'8½"; fault gouge.			
65'	71'	6'0'	6'0"		From 40'3" to 43'3"; zone dominantly quartzite, with an irregular carbonate			
71'	76'	5'0'	5'0"		vein at 40'6".			
76'	85'	9'0"	8'8"		From 55'4" to 60' disturbed zone of black slate and quartzite boudins			
85'	95'	10'0'	10'0'		containing very minor pyrite with minor galena at 57'1".			

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Drilling Record Sheets

Project: EL 7/68 | Co-ords. Collar: | Drill: LY 5

Hole No: MzN 6 | Bearing: 220° | Bit Size:

R.L. Site: | Depression: | Core Size:

Geologist: D. KERSHAW | Sampler: | Date Logged:

From '	To '	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
95'	105'	10'0"	10'1"					Pyrite pod at 69', 70'8", 86'10".
105'	115'	10'0"	9'10"					At 97'1" for 2'4" quartzite, mid to dark grey.
115'	125'6"	10'6"	9'10"					
125'6"	126'	6"	11"					From 104' to 149'; The relationship between slate and quartzite is a distinctive
126'	135'	9'	8'8"					"ribbon" structure with laminae of greater thickness (¼"to 2") more numerous, also
135'	142'	7'	7'1"					grey quartzite bands less distorted and well developed.
142'	146'	4'	3'9"					At 119'5" to 119'9"; ½" pyrite vein. *
146'	154'	8'	7'10"					At 137'1"; Minor carbonate and milky quartz veining.
154'	160'6"	6'6"	7'10"					Pyrite pods at 140'4", 140'8", 141'1",
160'6"	166'	5'6"	5'3"					143'4" and associated with quartzite.
								At 161'1"; Black graphitic slate to 162'6".
								At 163'4" for 10"; Massive to intensely *
								veined pyrite zone.
								At 167'6"; Pyrite disseminated in quartzite.
								181'11" to 196'
								Quartzite, medium grey.

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Drilling Record Sheets

3.

Project: EL 7/68 | Co-ords. Collar: | Drill: Longyear

Hole No: MzN6 | Bearing: | Bit Size: NQ

R.L. Site: | Depression: | Core Size:

Geologist: A.C. Johnston | Sampler: | Date Logged: 23/3/73

From '	To '	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
182'	194'10"							Quartzite: Medium grey, compact but has been highly fractured- fracture surfaces lined with very thin black graphitic slate.- permeated with random quartz stringers and pods which in turn cut across randomly orientated carbonate stringers (Siderite) Very minor disseminated pyrite associated with quartz/carbonate veining.
194'10"	197'7"							Interbanded, fractured/brecciated quartzite and intensely sheared graphitic black slate, minor random quartz/carbonate veinlets.
197'7"	221'8"							Slate: Black, graphitic, laminated and occasional thin bands of grey quartzite. Whole section highly sheared and disrupted appearance, i.e. laminations/quartzite bands highly contorted/broken and quartzite bands often brecciated and impregnated with pyrite. Fine, randomly orientated carbonate veinlets common throughout section and usually associated with minor

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Drilling Record Sheets

4.

Project: EL 7/68 Co-ords. Collar: Drill: Longyear

Hole No: MzN6 Bearing: Bit Size: NQ

R.L. Site: Depression: Core Size:

Geologist: A.C. JOHNSTON Sampler: Date Logged: 23/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
		Section sampled 215'-220'						) pyrite. Section 216'-217'7" carries abundant pyrite, finely disseminated and as randomly orientated network veinlets/pods; associated with minor galena? and silver grey (pink tinge) mineral-arsenopyrite?; high degree of tarnishing may indicate presence of pyrrhotite.
221'8"	230'10"							Slate; black, graphitic, often finely interbanded with grey quartzite giving coarsely laminated appearance. Particularly interval (229'3"-230'10") Section 222'6"-225'6" permeated with network fine pyrite/carbonate veinlets. Minor fine random pyrite veining throughout remainder of section. Pyrite mineralization takes two forms a) fracture filling and b) replacement, particularly W.RJ to quartzite b.angle 55°c/a-227'8".
230'10"	241'1"							Quartzite; grey/dark grey; saccharoidal texture, occasional thinly interbanded black graphitic slate- interval (235'-241'1") fractured disrupted as reflected by the graphitic slate. Entire section

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Drilling Record Sheets

5.

Project: EL 7/68 | Co-ords. Collar: | Drill: Longyear

Hole No: MzN6 | Bearing: | Bit Size: NQ

R.L. Site: | Depression: | Core Size:

Geologist: A.C.Johnston | Sampler: | Date Logged:

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
		Sections sampled 233'2"-243'2" (2x5' sections)			permeated extensively with network dominantly ~~fine pyrite veinlets and associated minor~~ galena/sphalerite-usually associated quartz/ carbonate gangue-small bands of granular replacement pyrite within quartzite occur at 233'4" (3" wide) and 237'7" (1" wide) Sections sampled; 233'2" - 243'2" (2x5' section bedding angle c/a 40°-233'.			
241'1"	260'				Slate, black, graphtic and thinly interbanded with grey saccharoidal quartzite, generally section is highly disrupted/brecciated and commonly permeated with light brown carbonate veinlets (siderite) carrying minor pyrite and very minor sphalerite. Section (241'6"-242'1") permeated with random pyrite veinlets. Other mineralization: 241'6" - 1" wide pyrite veinlets angle 42°c/a. 242'1" - 1" wide Pb-As veinlet angle 40°c/a.			
260'	290'				Slate: Dark grey/black, graphitic laminated with thin bands grey/dark grey sacchraoidal quartzite; generally disrupted throughout			

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Drilling Record Sheets

Project: EL 7/68 Co-ords. Collar: Drill: Longyear

Hole No: MzN6 Bearing: Bit Size:

R.L. Site: Depression: Core Size:

Geologist: A.C.Johnston Sampler: Date Logged: 23/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								section but including small intervals
								sporadic brecciation. Interval (265'2"-
								266'9")brecciated and infilled with pink-
								white calcite carrying minor pyrite,
								sphalerite; throughout remainder of section
								minor sphalerite pyrite associated with
								minor carbonate veining (Siderite)
								and as replacement within the quartzite.
								Bedding angle to core axis 45°-284'.
290'	302'11"							Similar to above; but generally intensely
								disrupted and often brecciated. Minor
								pyrite/sphalerite to mineralization
								throughout commonly associated with
								quartz/carbonate gangue-as at 294' and 292'0".
								Bedding ∠ c/a 300'2"; 40°.
302'11"	328'2"							Slate; black graphitic, finely laminated
								with grey/dark grey quartzite bands. Only
								mildly and sporadically disrupted. Minor
								random carbonate veining throughout usually
								associated with minor sphalerite/pyrite
								mineralization. Bedding 322'9"≈60° c/a.

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Drilling Record Sheets

7.

Project: EL 7/68 Co-ords. Collar: Drill: Longyear

Hole No: MzN6 Bearing: Bit Size: NQ

R.L. Site: Depression: Core Size:

Geologist: A.C. Johnston Sampler: Date Logged: 23/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
328'2"	350'9"							Quartzite; grey, saccharoidal, texture generally highly fractured/disrupted as evidenced by highly contorted thinly interbedded slate and brecciation. Section sampled. (328'2"-333'7")
		Section sampled 328'2"-333'2".						Section 328'2"-331'7" extensively permeated with network of pyrite rich quartz/carbonate veinlets-silver grey mineral associated with pyrite-arsenopyrite-pyrite also occurs as fine impregnations associated with the quartzite. Remainder of interval 328'2"-331'7" as above but to lesser extent.
350'9"	385'6"							Slate; black graphitic and finely laminated. Section 366'8"-385'6" thinly interbedded with grey quartzite giving coarsely laminated appearance. SECTIONS SAMPLED: a) 349'8"-354'8" b) 381'4"-386'4" Section (350'9"-352'6") highly contorted brecciated and extensively permeated with pyrite/arsenopyrite veinlets - pyrite/arsenopyrite also occurs, fine impregnations.

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Drilling Record Sheets

8.

Project: EL 7/68 Co-ords. Collar: Drill: Longyear

Hole No: MzN6 Bearing: Bit Size: NQ

R.L. Site: Depression: Core Size:

Geologist: A.C. Johnston Sampler: Date Logged: 23/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
								Section (371'5" - 385'6") highly disrupted brecciated. Brecciation more pronounced in interval 381'7"-385'6" and here is associated with extensive network pyrite/arsenopyrite veinlets/blebs and also pyrite impregnation; Throughout remainder of interval;- moderately abundant randomly orientated pyrite veinlets. In all cases pyrite veinlets associated with quartz gangue and to a lesser extent carbonate and light green talc. Bedding 375'10"-50°c/a.
385'6"	398'2"							Quartzite; grey, saccharoidal texture, moderately abundant quartz and to lesser extent carbonate veining throughout. 1½" wide quartz vein 386' carries abundant sphalerite pyrite - 15° c/a.
398'2"	422'							Slate; black, graphitic thinly interbedded with quartzite bands giving coarsely laminated appearance. Only mildly disrupted throughout. Minor quartzite/carbonate random veinlets throughout. Bedding 60° c/a-403'2".

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Drilling Record Sheets

9.

Project: EL 7/68 | Co-ords. Collar: | Drill: Longyear

Hole No: MZn6 | Bearing: | Bit Size: NQ

R.L. Site: | Depression: | Core Size:

Geologist: A.C. Johnston | Sampler: | Date Logged: 23/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
422'	423'							Dominantly quartzite; grey sacchradoidal texture; thinly interbedded with highly contorted/sheared black graphitic slate. 4" wide quartz/carbonate vein 422'9" very minor disseminated pyrite.
								END OF HOLE D.D.H. MzN6

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Drilling Record Sheets

10.

Project: EL 7/68 | Co-ords. Collar: | Drill: Longyear 5

Hole No: MzN6 | Bearing: | Bit Size: NQ

R.L. Site: | Depression: | Core Size:

Geologist: A.C. JOHNSTON | Sampler: | Date Logged: 23/3/73

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
			RECOVERY D.D.H. MzN 6 FROM 166'					
166'	176'	10'	10'					
176'	185'8"	9'8"	9'8"					
185'8"	423'			RECOVERY GOOD				

030

APPENDIX I

INDEX OF DRAWINGS

Drg. No. B.160	Horizontal projections of diamond drill holes and mineralized trends. (2 sheets)
Drg. No. B.162	Great South Comet Mine Adits Nos. 1, 2, 3 and 4.
Drg. No. B.163	Longitudinal section.
Drg. No. B.164	Great South Comet Mine Lens No. 5. Adit No. 1, Location of channel samples and assay results.

plus SC1-11A

DDH Sections S.C. 1 - 19 SC 21

K H 1 - 21 KH 23.



LEGEND

Diamond drill hole collar location and horizontal projection of hole, showing mineralized intersections.

0·47 4·30 1·92 / 14·1 at 1185 — Pb % Zn % Ag oz. / True width (feet) above sea level

Minor mineralized intersection, not assayed

Surface expression of mineralized trend

Probable subsurface continuity of mineralized trend

Sheet Index

1
2

5 cm

Scale: 100 Feet to 1 Inch

100 0 100 200 300 400 Feet

50 0 50 100 Metres

611199

TEXAS INSTRUMENTS INCORPORATED 2433

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

KOSMINSKY - SOUTH COMET AND KOSMINSKY HILL EAST

Horizontal projection of diamond drill holes and mineralized trends

PROJECT	7/68	AUTHOR	L Discala	DATE	May, 73	DWG Nº	B-160

SHEET 1 OF 2.

KH7
KHW5
SC6
SC7
SC1
SC13
SC14
SC16
SC2,2A
SC17
SC3
SC21
SC11,11A
SC19
SC10
SC4, 4A
SC12
SC5
SC18

TREND A

00
34 S
36 S
38 S
44 S
50 S
52 S
54 S

LEGEND

- Diamond drill hole collar location and horizontal projection of hole, showing mineralized intersections.
- 0.47 4.30 1.92 / 14.1 at 1185 — Pb % Zn % Ag oz. / True width (feet) above sea level
- Minor mineralized intersection, not assayed
- Surface expression of mineralized trend
- Probable subsurface continuity of mineralized trend
- A — B Line of longitudinal section

Sheet Index

1

2

5 cm

Scale: 100 Feet to 1 Inch

400 Feet

100 Metres

611200

TEXAS INSTRUMENTS INCORPORATED

74-998

2434

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

KOSMINSKY - SOUTH COMET AND KOSMINSKY HILL EAST

Horizontal projection of diamond drill holes and mineralized trends

PROJECT	7/68	AUTHOR	L. Discala	DATE	May, 73.	DWG Nº	B-160

SHEET 2 OF 2

600 E
800 E
1000E
1200E
1800N
1800 N
1600N
1600 N
1400 N
1400 N
1200 N
1200 N

No. 1 ADIT

LENS 1
0·46% Pb, 6·01% Zn, 0·13 oz Ag
diluted to 5·0' width

No. 2 ADIT

LENS 2
0·55% Pb, 5·01% Zn, 0·49 oz Ag
diluted to 5·0' width

No. 3 ADIT

LENS 3
1·50% Pb, 6·52% Zn, 0·50 oz Ag
diluted to 5·0' width

No. 4 ADIT

LENS 4
1·93% Pb, 6·81% Zn, 0·64 oz Ag
diluted to 5·0' width

LENS 5
3·47% Pb, 11·47% Zn 2·41 oz Ag
7·5' (not including split a)

1·67% Pb, 7·79% Zn, 0·9 oz Ag
3·0' width

0·6% Pb, 2·2% Zn, 0·4 oz Ag
3·0' width

No. 1 Crosscut W
No. 2 Crosscut W
No. 3 Crosscut W
No. 4 Crosscut W
No. 1 Crosscut E
No. 1 stope
No. 2 stope
No. 3 stope
No. 4 stope
No. 5 stope
No. 6 stope
No. 7
No. 8 stope
Tailings
Tailings
Tailings
A3β
A3α

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

5 cm

LEGEND

- Winze
- Rise
- Lens, assay values shown
- Lode A_1
- Lode A_2
- Lode A_3

TRUE NORTH

Note: Survey after Taylor (1950), partly modified.

611201

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GEOPHOTO RESOURCES

SYDNEY, AUSTRALIA

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EL 7/68 DUNDAS DISTRICT, TASMANIA

GEOPHOTO

GREAT SOUTH COMET MINE

2451

PROJECT	7/68	AUTHOR	L. Discala	DATE	Feb, 1974	DWG Nº	B-162



611202

74-998

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SYDNEY, AUSTRALIA

TEXINS DEVELOPMENT PTY. LTD.

EL 7/68 DUNDAS DISTRICT, TASMANIA

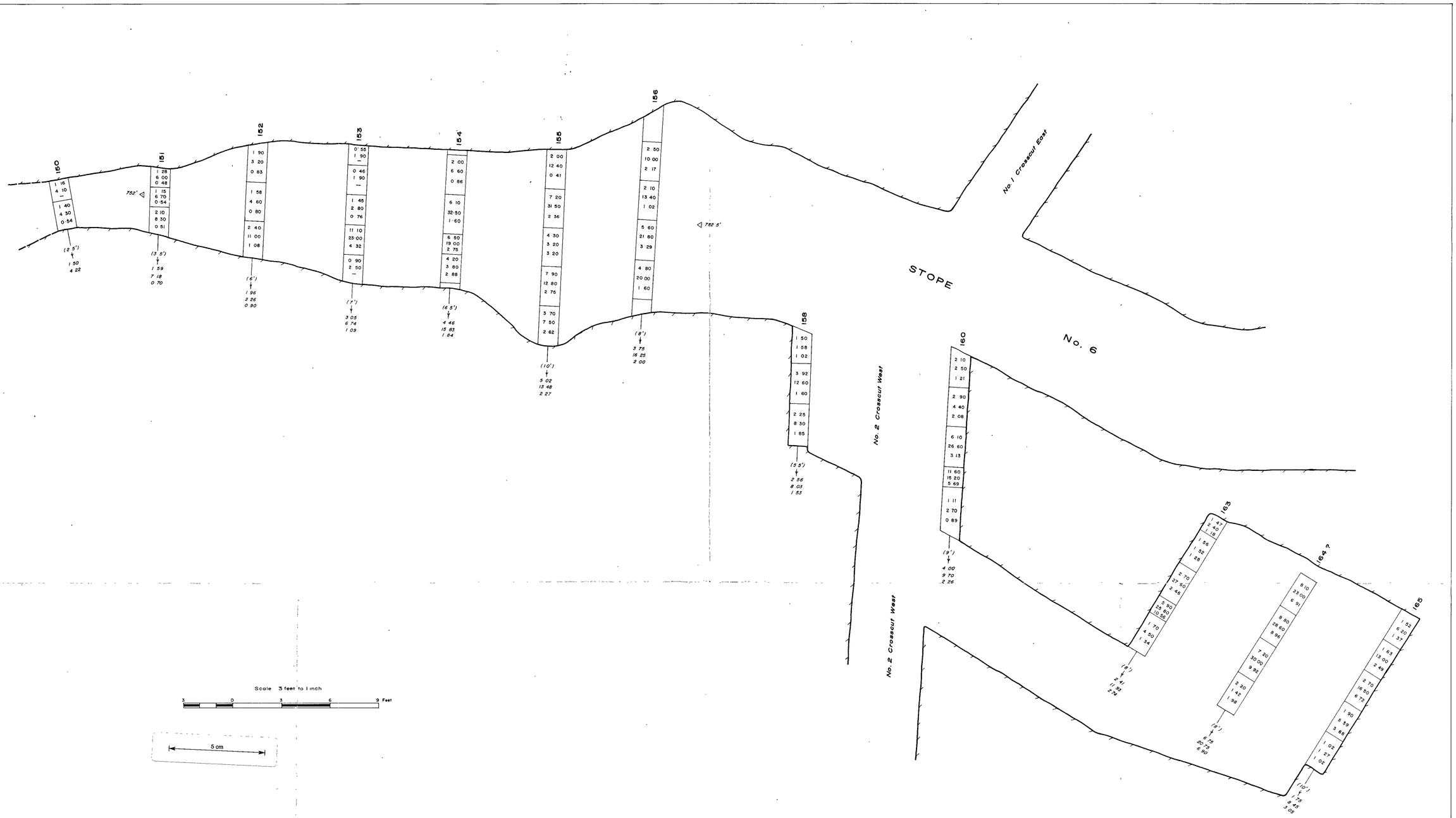
GREAT SOUTH COMET MINE

LONGITUDINAL SECTION N36°W

(LOOKING EAST)

2463

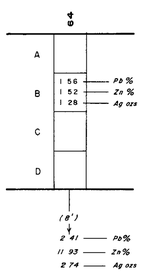
PROJECT	7/68	AUTHOR	L. Discola	DATE	Feb, 1974	DWG N°	B-163



Scale 3 feet to 1 inch

3 0 3 6 9 Feet

5 cm



SAMPLING CHANNEL AND ITS IDENTIFYING NUMBERS

611203 74-998

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GREAT SOUTH COMET MINE

Assay results of Channel samples from Adit No. 1

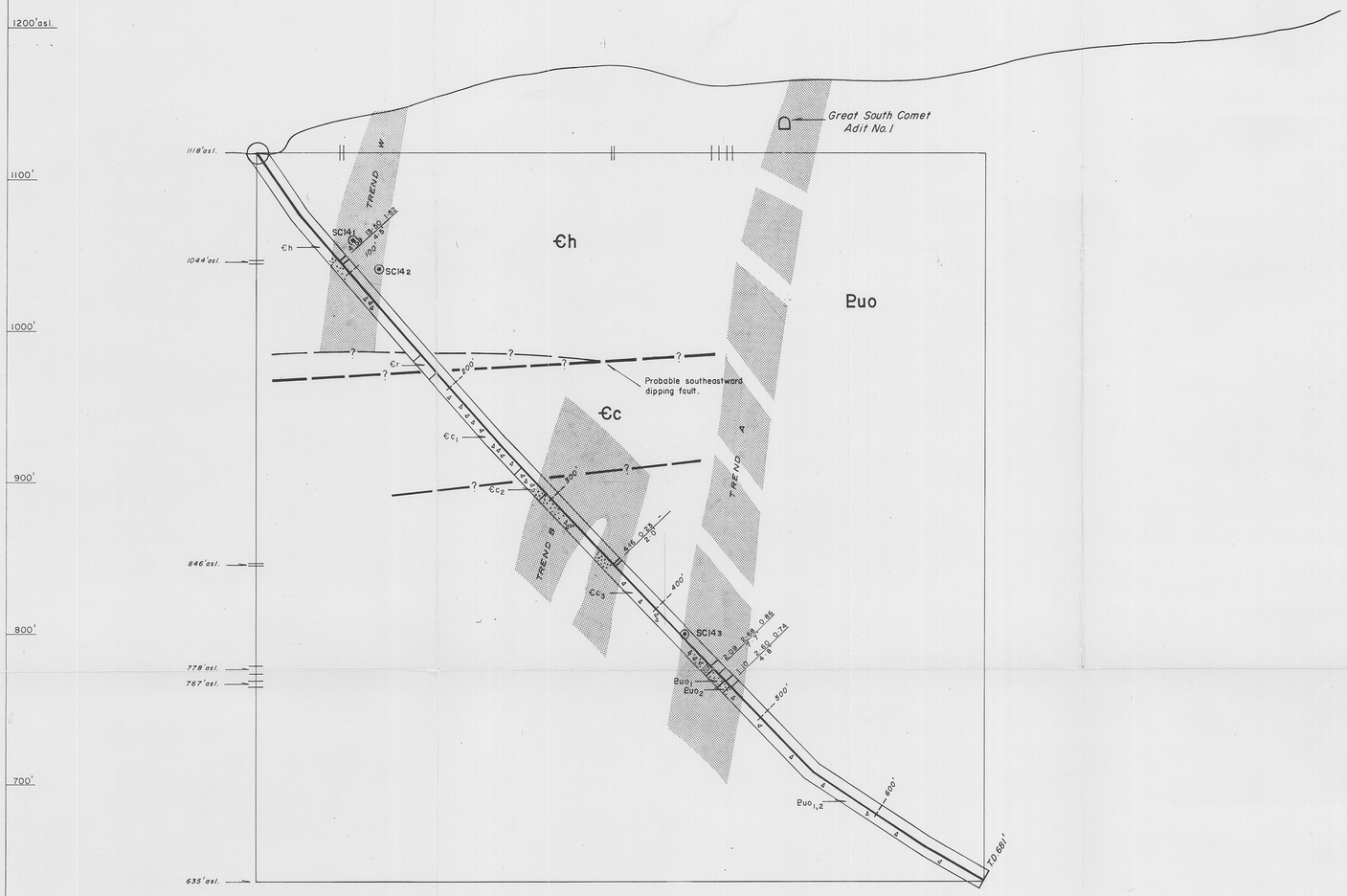
(Trend A3, Lens No. 5)

2452

PROJECT	7/68	AUTHOR	L Discala	DATE	Feb, 1974	DWG Nº	B- 164

SOUTH WEST

NORTH EAST



D.D.H. S.C.1

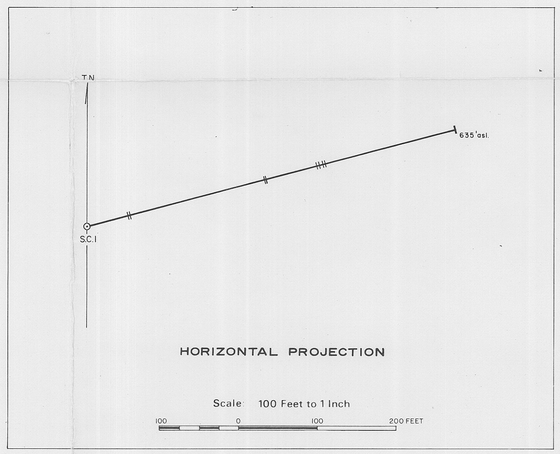
Location : South Comet Grid
36 S+6·85 W

Collar: 1118' asl.
Azimuth: 75° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-49°	–
200'	-48°30'	–
300'	-46°30'	–
400'	-46°	–
500'	–	–
600'	-34°	–
676'	-30°30'	–

Acid bottle test



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN	DUNDAS GROUP	Hodge Formation	€h — SHALE AND SILTSTONE: light grey to dark grey, arenaceous shale
		Red Lead Formation	€r — CONGLOMERATE: black, grey, cream, pink chert, pebbles in cherty sandstone matrix with fuchsite
		Crimson Ck. Formation	€c1 — SILTSTONE AND SHALE: pale grey to black, partly graphitic
			€c2 — SLATE, SHALE AND MINOR SILTSTONE: dark grey to black, graphitic
			€c3 — SHALE AND SILTSTONE: cream, pink and grey, partly dolomitic
PROTEROZOIC		Oonah Formation	Puo1 — SLATE: black graphitic
			Puo2 — SHALE: grey, micaceous, arenaceous

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz. / True width (feet)

SC14 2 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611204

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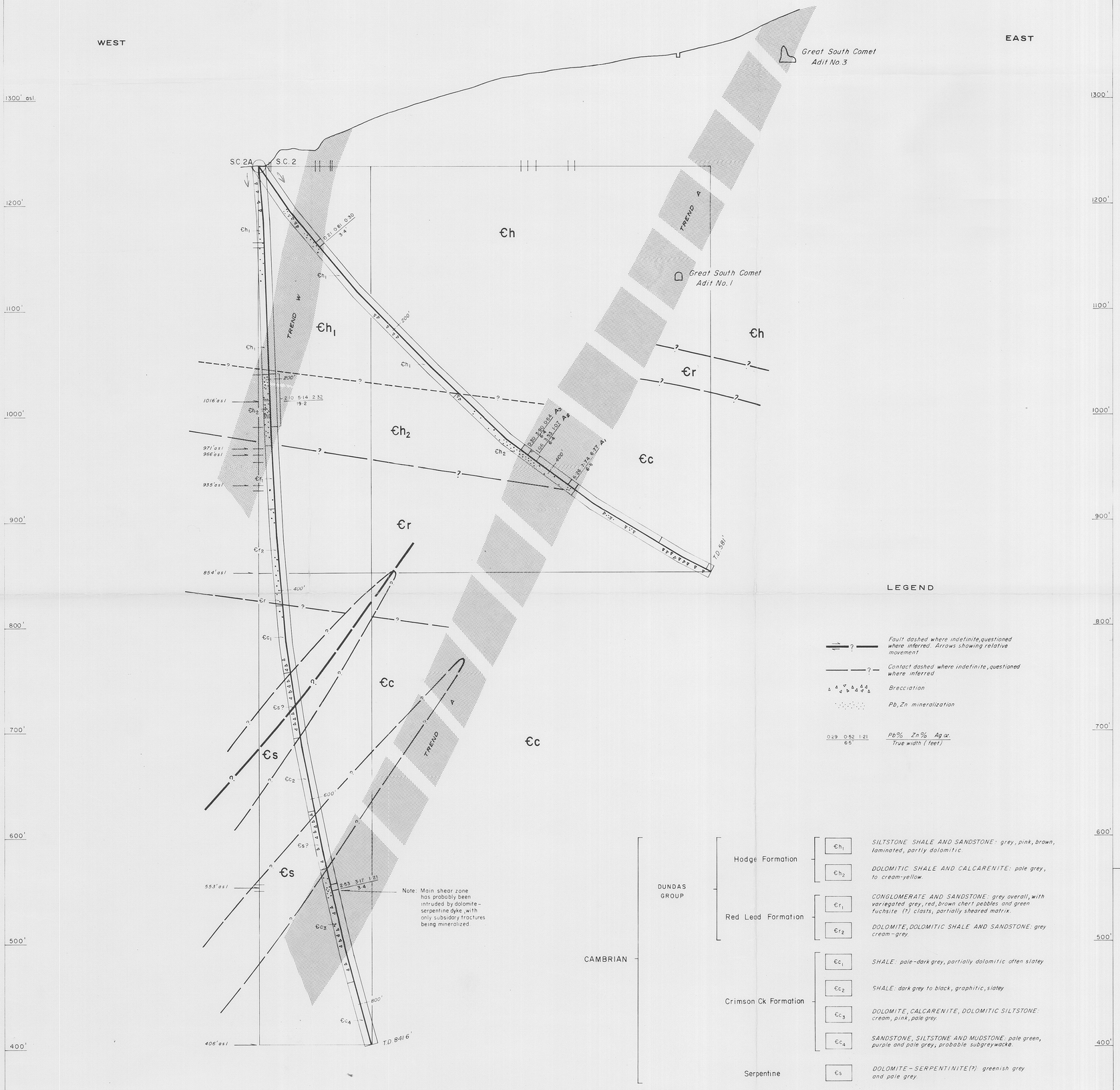
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION
S.C.1 2453

PROJECT	7/68	AUTHOR	W. Turner	DATE	May, 1970	DWG NO	B 101



D.D.H. SC. 2

Location : South Comet Grid
38 S + 5·12 W

Collar: 1236'asl.
Azimuth: 90° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip
100'	- 50°
200'	- 45°30'
300'	- 43°30'
400'	- 36°30'
500'	- 31°30'
600'	- 26°30'

Acid bottle test.

D.D.H. SC. 2A

Location : South Comet Grid
38 S + 5·12 W

Collar: 1236'asl.
Azimuth: 90° T
Dip: 85°

INCLINATION TEST

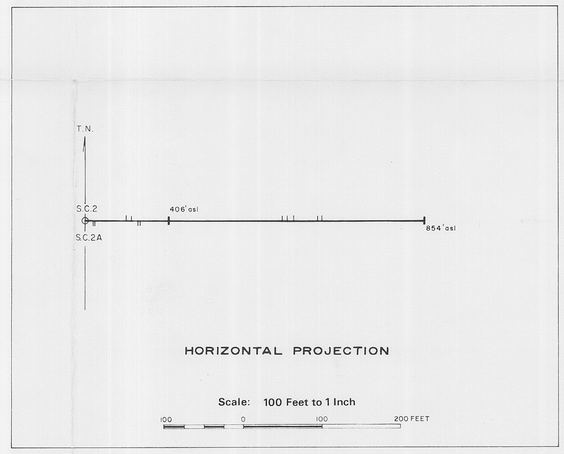
Depth	Corrected Dip
100'	- 88°
200'	- 88°
300'	- 87°
400'	- 85°
500'	- 81°30'
600'	- 78°30'
700'	- 77°
800'	- 74°30'

Acid bottle test.

LEGEND

- Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement
- Contact dashed where indefinite, questioned where inferred
- Brecciation
- Pb, Zn mineralization
- 0.29 0.52 1.21 / 6.5' — Pb% Zn% Ag oz. / True width (feet)

CAMBRIAN
- DUNDAS GROUP
  - Hodge Formation
    - €h1 — SILTSTONE, SHALE AND SANDSTONE: grey, pink, brown, laminated, partly dolomitic.
    - €h2 — DOLOMITIC SHALE AND CALCARENITE: pale grey, to cream-yellow.
  - Red Lead Formation
    - €r1 — CONGLOMERATE AND SANDSTONE: grey overall, with variegated grey, red, brown chert pebbles and green fuchsite (?) clasts, partially sheared matrix.
    - €r2 — DOLOMITE, DOLOMITIC SHALE AND SANDSTONE: grey cream-grey.
  - Crimson Ck Formation
    - €c1 — SHALE: pale-dark grey, partially dolomitic often slatey
    - €c2 — SHALE: dark grey to black, graphitic, slatey
    - €c3 — DOLOMITE, CALCARENITE, DOLOMITIC SILTSTONE: cream, pink, pale grey.
    - €c4 — SANDSTONE, SILTSTONE AND MUDSTONE: pale green, purple and pale grey, probable subgreywacke.
  - Serpentine — €s — DOLOMITE-SERPENTINITE(?): greenish grey and pale grey.



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

5 cm

611205

7H-998

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SYDNEY AUSTRALIA

T.N.

TEXINS DEVELOPMENT PTY. LTD.
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION
S.C. 2 & S.C. 2A 2454

PROJECT	7/68	AUTHOR	Paterson	DATE	May, July '70	DWG. Nº	B 102

WEST

EAST

1450'asl

1350'

1250'

1150'

1050'

950'

919'asl.

850'

817'asl.

€ra

?

?

?

€h

€h

€h

€r

€r

€c

Great South Comet Adit No.3.

Great South Comet Adit No.1

TREND A

TREND B

€h1

€h2

100'

200'

300'

400'

500'

600'

T.D. 640'

0.29 0.52 1.21 6.5'

0.32

0.24

0.26

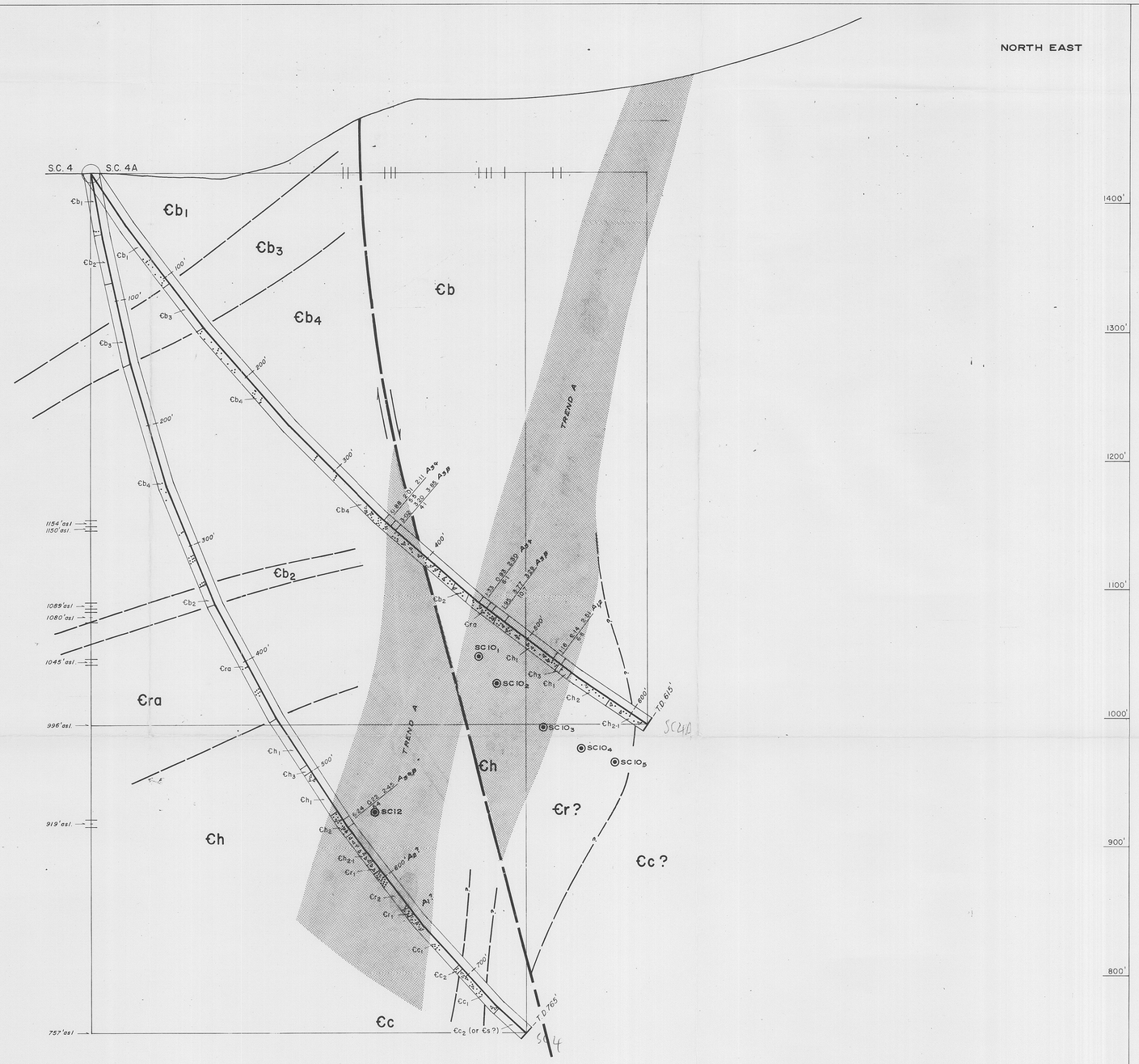
0.24

0.24

0.24

SOUTH WEST

NORTH EAST



D.D.H. S.C. 4

Location : South Comet Grid
46S + 0·5W, 50'S

Collar : 1425'asl.
Azimuth 50° T
Dip: 80°

INCLINATION TEST

Depth	Corrected Dip
50'	- 77°
150'	- 73°30'
250'	- 67°30'
350'	- 61°30'
450'	- 57°
550'	- 52°30'
650'	- 47°30'
732.5'	- 42°30'

Acid bottle test

D.D.H. S.C. 4A

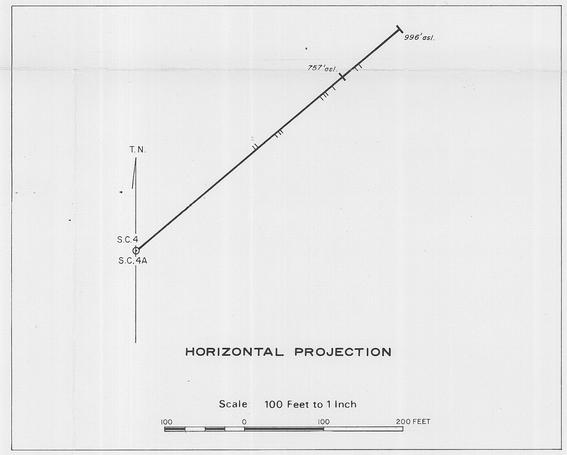
Location : South Comet Grid
46S+0·5W, 50'S

Collar : 1425'asl.
Azimuth: 50° T
Dip : 56°

INCLINATION TEST

Depth	Corrected Dip
50'	- 52°30'
150'	- 49°
250'	- 45°
350'	- 41°
450'	- 37°30'
550'	- 34°

Acid bottle test



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — DUNDAS GROUP

- Brewery Junction Formation
  - Cb1 — SILTSTONE, SANDSTONE AND SHALE: cream-grey, tan and very pale green, laminated.
  - Cb2 — SILTSTONE AND SHALE: grey-dark grey, partly graphitic.
  - Cb3 — SILTSTONE AND SHALE: purple and pink, probably considerable mudstone.
  - Cb4 — SILTSTONE AND SHALE: pale grey tan, pink, and green-grey.
- Razorback Conglomerate
  - Cra — BRECCIA CONGLOMERATE: pale-medium grey angular clasts of shale, mudstone and siltstone in dark grey arenaceous mudstone matrix, minor interbedded graphitic black slatey shale and pale grey shale.
- Hodge Formation
  - Ch1 — SILTSTONE AND SHALE: pale-dark grey, well laminated.
  - Ch2 — CALCARENITE (?): pale-dark grey.
  - Ch3 — DOLOMITE AND CALCARENITE (?): cream-greenish grey.

CAMBRIAN — DUNDAS GROUP

- Red Lead Formation
  - Cr1 — CONGLOMERATE: pale grey, grey, and green pebbles of chert and fuchsite in arenaceous matrix.
  - Cr2 — SANDSTONE, SILTSTONE AND DOLOMITE (?): green-grey
- Crimson Creek Formation
  - Cc1 — SILTSTONE AND SHALE: pale-dark grey, partially slatey.
  - Cc2(?) — DOLOMITE (?): grey to white, mottled with green-grey, massive, may be some as altered ultramatic or carbonatite of S.C.2A.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

0·29 0·52 1·21 / 6·5 — Pb% Zn% Ag oz. / True width (feet)

SC14 2 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

5 cm

611207

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION

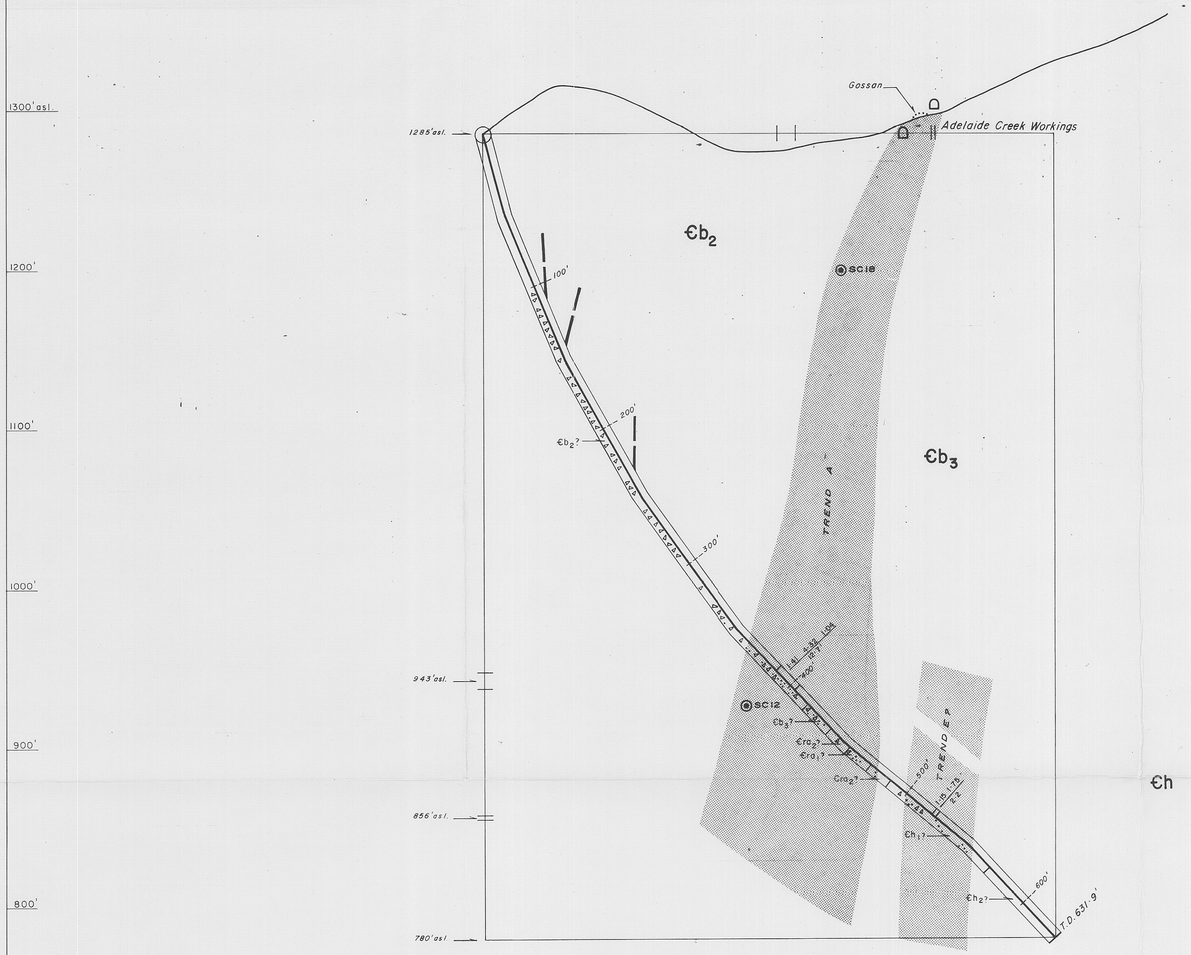
S.C. 4 & S.C. 4A

2456

PROJECT	7/68	AUTHOR	R. Paterson	DATE	April, 1971	DWG NO	B104

SOUTH WEST

NORTH EAST



D.D.H. S.C.5

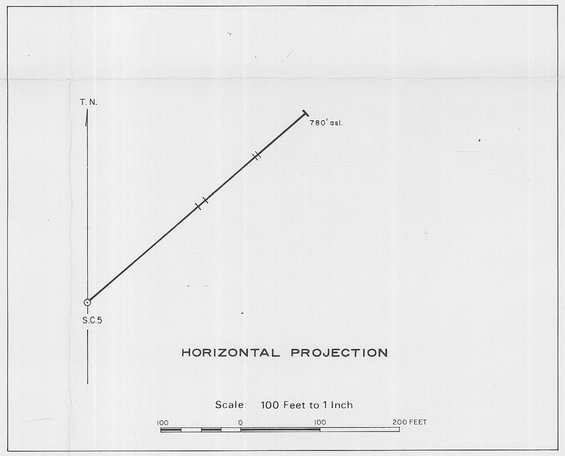
Location : South Comet Grid
49·55 S + 0·58E

Collar: 1285' asl.
Azimuth: 50° T
Dip: 75°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	68°	–
200'	61°	–
300'	54°	–
400'	46°30'	–
500'	40°	–
600'	47°	–

Acid bottle test.



LEGEND

CAMBRIAN — DUNDAS GROUP

- Brewery Junction Formation
  - €b2 — SHALE: light-dark grey and black calcareous-arenaceous and graphitic respectively.
  - €b3 — SHALE: grey, pink, tan, darker toward base
- Razorback Formation
  - €ra1 — CONGLOMERATE: light grey arenaceous shale and siltstone.
  - €ra2 — SANDSTONE: light grey, fine grained with minor graphitic black slatey shale.
- Hodge Formation
  - €h1 — SHALE: pale-dark grey, partially slatey.
  - €h2 — SHALE: light grey, calcareous.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 / 6·5' — 0·52 — 1·21 — Pb% Zn% Ag oz / True width (feet)

SC14 2 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611208

74-905

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

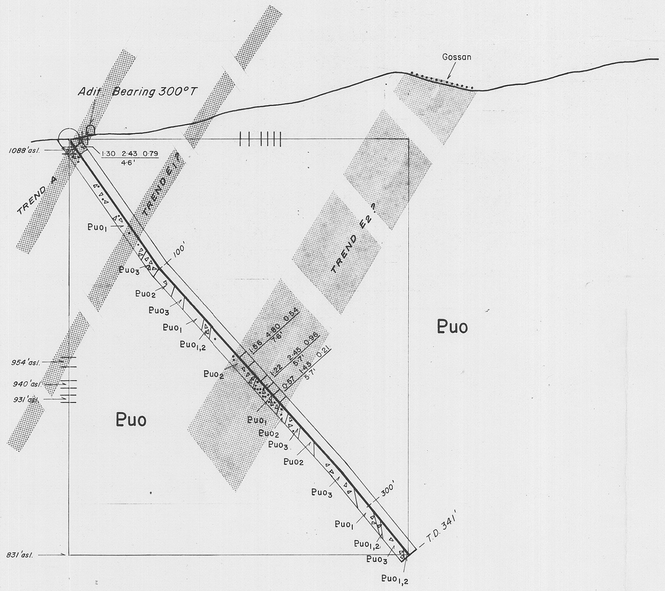
DIAMOND DRILL HOLE SECTION

S.C.5 2457

PROJECT	7/68	AUTHOR	W. Turner	DATE	August '70	DWG. No.	B 105

SOUTH WEST

NORTH EAST



1100'asl.
1000'
900'
800'
700'
600'
500'

D.D.H. S.C. 6

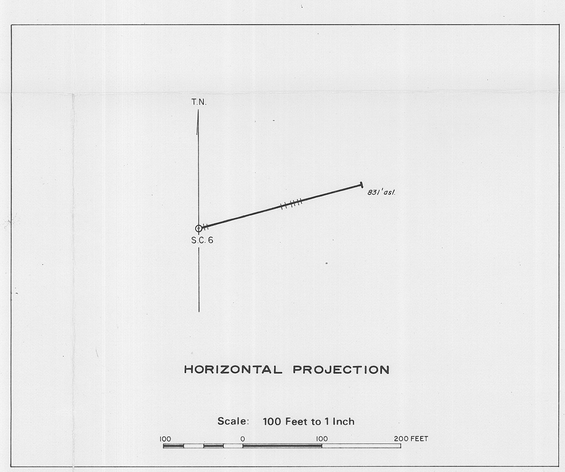
Location : South Comet Grid
34S+6W, 15N

Collar : 1095'asl.
Azimuth : 75°T
Dip : 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	-48°	—
341'	-51°	—

Acid bottle test



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

PROTEROZOIC — Oonah Formation

- Puo_1 — SLATE : black graphitic with lesser amounts of dark grey shale.
- Puo_2 — QUARTZITE : grey micaceous with occasional quartz veins and carbonate veins.
- Puo_3 — SLATE AND QUARTZITE : generally well laminated to interbedded, occasionally brecciated.

? — Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Brecciation.

Pb, Zn mineralization.

0.29 0.52 1.21 / 65' — Pb% Zn% Ag oz. / True width (feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611209

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

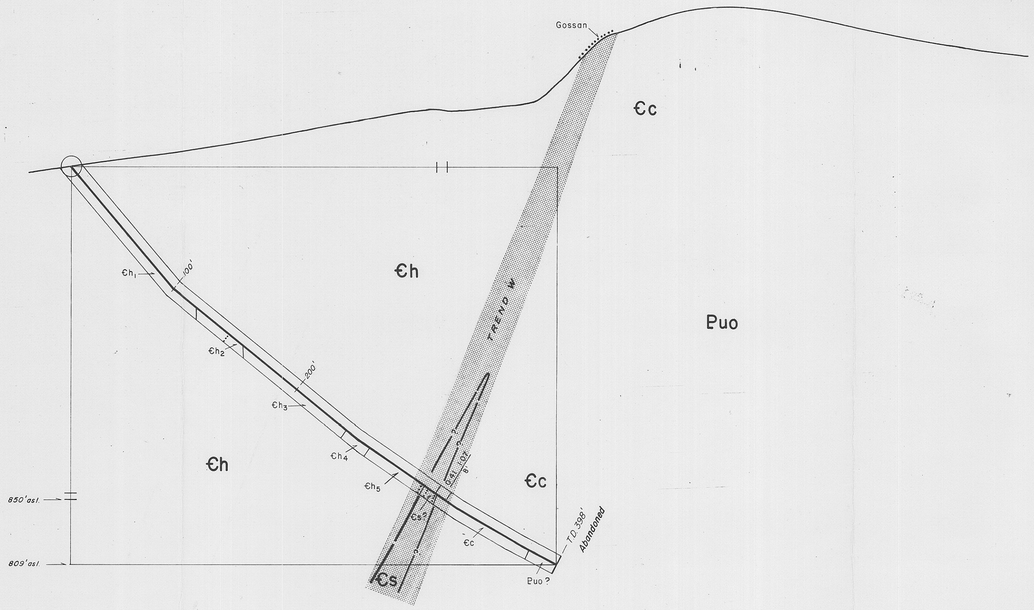
DIAMOND DRILL HOLE SECTION S.C. 6

2458

PROJECT	E.L. 7/68	AUTHOR	W. Turner	DATE	Feb 1972	DWG. No	B/106

SOUTH WEST

NORTH EAST



D.D.H. S.C.7

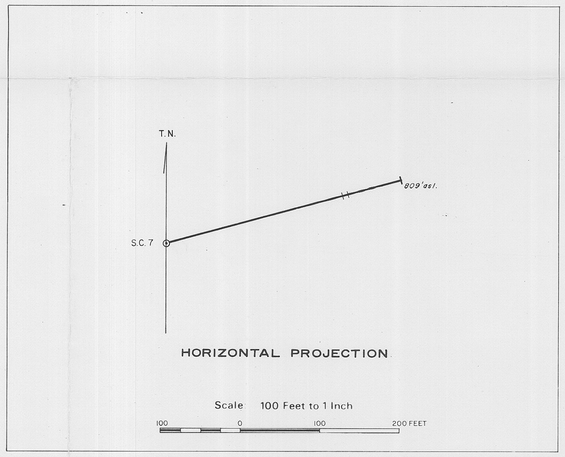
Location : South Comet Grid
36S+9·5W, 70'N

Collar : 1059' asl.
Azimuth : 75° T
Dip : 50°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	-39°	–
300'	-34°30'	–
350'	-30°	–
398'	-28°	–

Acid bottle test



LEGEND

CAMBRIAN

Hodge Formation (DUNDAS GROUP)

- Ch1 — SILTSTONE grey to greenish, micaceous, some limonite staining and occasionally arenaceous. Lesser amounts of grey shale and carbonate veins.
- Ch2 — SHALE black to dark grey to light brown, with interbedded arenaceous layers and carbonaceous seams.
- Ch3 — SILTSTONE grey to greenish, siliceous interbedded with khaki and dark grey shale. Minor amounts of light grey, quartzose sandstone.
- Ch4 — CONGLOMERATE subrounded, black shale fragments in a silty matrix.
- Ch5 — SHALE grey to black, brecciated with fuchsite occurring along joint planes.

Serpentine — Cs — DOLOMITIZED VOLCANICS ? grey, fine grained mosaic of dolomite and partially dolomitized unidentified anhedral crystals. In part brecciated with considerable quartz carbonate veining.

Crimson Ck. Formation — Cc — SHALE black, khaki, in graphitic with carbonate veining interbedded with light grey, occasionally arenaceous siltstone.

PROTEROZOIC

Oonah Formation — Puo — SLATE black micaceous with well developed slatey cleavage.

- Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.
- Contact dashed where indefinite, questioned where inferred.
- Brecciation.
- Pb, Zn mineralization.
- 0·29 0·52 / 65 — Pb% Zn% / True width (feet)

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611210

74-998.

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

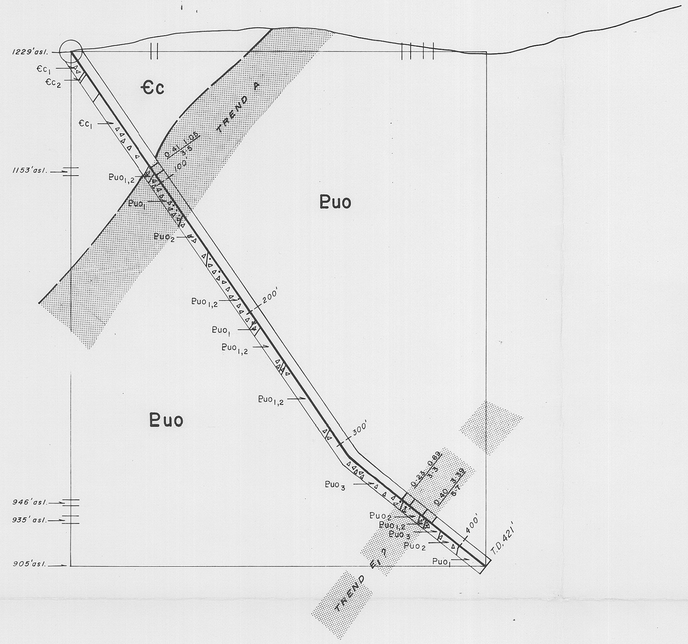
DIAMOND DRILL HOLE SECTION
S.C. 7

2459

PROJECT	7/68	AUTHOR	Discala	DATE	Feb 1972	DWG Nº	B107

SOUTH WEST

NORTH EAST



1300'asl.
1200'
1100'
1000'
900'
800'
700'

1300'
1200'
1100'
1000'
900'
800'
700'

D.D.H. S.C.8

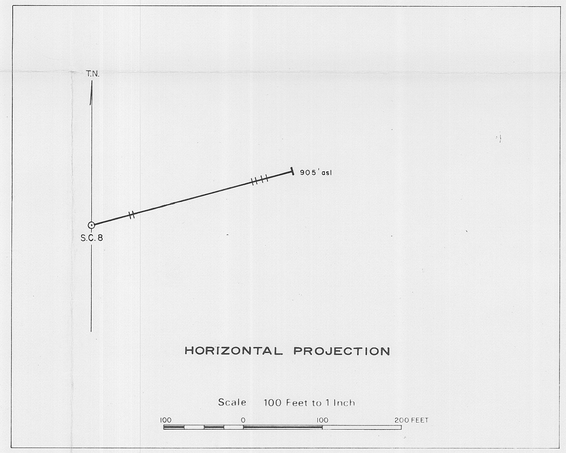
Location : South Comet Grid
32 S + 8·7 W, 20'N

Collar: 1229' asl.
Azimuth: 75° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	-55°	–
421'	-40°	–

Acid bottle test.



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN	Crimson Creek Formation	$€c_1$	MUDSTONE AND SILTSTONE: khaki grey (strong oxidation)
		$€c_2$	MUDSTONE AND SILTSTONE: mauve
PROTEROZOIC	Oonah Formation	Puo_1	SLATE: black graphitic
		Puo_2	QUARTZITE: light grey, micaceous
		Puo_3	QUARTZITE AND SLATE: fine, well developed laminations

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0.29 0.52 1.21 / 6.5' — Pb% Zn% Ag oz / True width (feet)

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611211

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

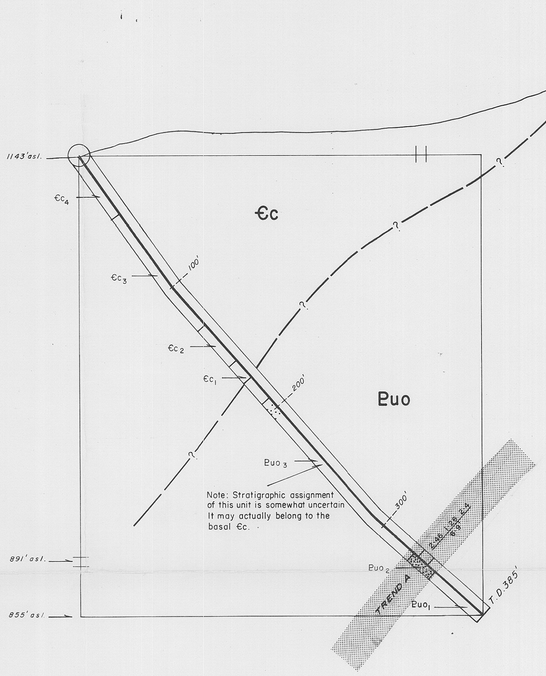
DIAMOND DRILL HOLE SECTION

S.C. 8 2460

PROJECT	7/68	AUTHOR	W. Turner	DATE	March 1972	DWG. NO.	B/108

SOUTH WEST

NORTH EAST



1300' asl
1200'
1100'
1000'
900'
800'
700'

1300'
1200'
1100'
1000'
900'
800'
700'

D.D.H. S.C. 9

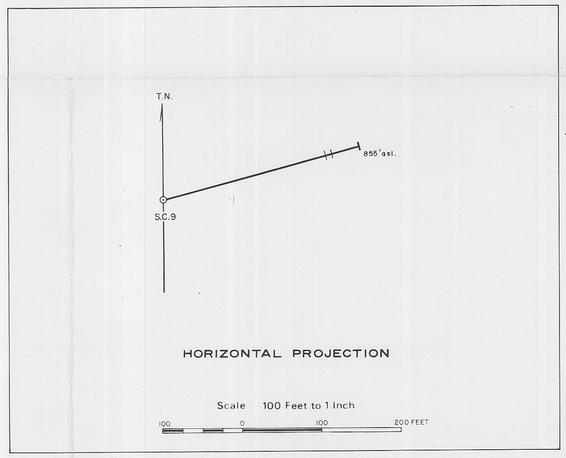
Location : South Comet Grid
32S + 11·8W, 60'N

Collar: 1143' asl.
Azimuth: 75° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	49°	–
385'	43°	–

Acid bottle test



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN	Crimson Creek Formation	$€c_1$ MUDSTONE: pink to grey. Brecciated in lower portion.
		$€c_2$ SHALE: black graphitic with carbonate veining. Lesser amounts of light grey siltstone.
		$€c_3$ SILTSTONE: light grey to cream and occassionlly arenaceous. Minor amounts of black shale.
		$€c_4$ SILTSTONE: light grey, in part arenaceous. Interbedded in lower portion with pink limonite stained mudstone.
PROTEROZOIC	Oonah Formation	Puo_1 SLATE: black, micaceous with some carbonate veining.
		Puo_2 QUARTZITE: grey with occasional interbedded black slate and carbonate veins.
		Puo_3 SLATE: black, graphitic with occasional quartz-carbonate veins.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz / True width (feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611212

7A-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION

S.C. 9 2461

PROJECT	7/68	AUTHOR	Discala	DATE	April, 1972	DWG No	B.109

WEST SOUTH WEST

EAST NORTH EAST



D.D.H. S.C. 10

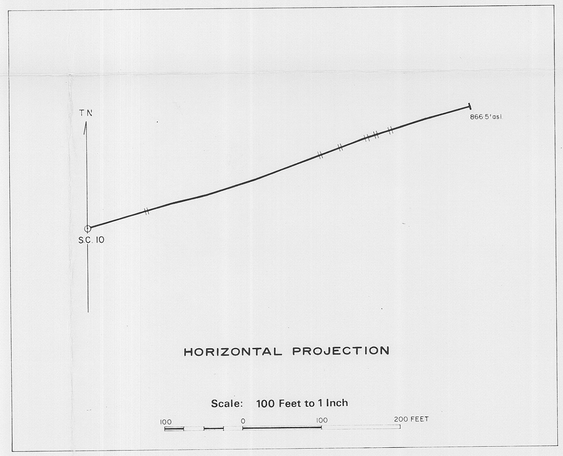
Location : South Comet Grid
44S+1N, 8W+15S

Collar : 1531' asl.
Azimuth : 74° T
Dip : 70°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	-63°	—
300'	-59°	77° T
400'	-55°	74° T
500'	-46°	70° T
600'	-45°	70° T
700'	-44°	72° T
800'	-36°	74° T
848'	-34°	74° T

Pico Camera Survey



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — DUNDAS GROUP

- Brewery Junction Formation
  - €b1 — SILTSTONE: medium-dark grey
  - €b2 — SILTSTONE: pale pink-red and pale green-grey
  - €b3 — SILTSTONE: deep purple-red
  - €b4 — DOLOMITE: pink-grey to medium grey
  - €b5 — SANDSTONE WITH SHALE: medium light grey and dark grey, usually coarse grained sandstone
  - €b6 — SHALE WITH SANDSTONE: dark grey and medium grey, medium grained sandstone; includes minor mudstone conglomerate interbeds
- Razorback Formation
  - €ra1 — BRECCIA CONGLOMERATE: dark grey to medium light grey, with pebbly subrounded to angular siltstone-mudstone clasts in mudstone-sandstone matrix
  - €ra2 — SANDSTONE AND SILTSTONE: medium light to medium dark grey, minor dark grey shale interbeds

CAMBRIAN — DUNDAS GROUP

- Hodge Formation
  - €h1 — SILTSTONE: medium-dark grey
  - €h2 — SILTSTONE AND SANDSTONE: medium dark and light grey, well laminated
  - €h3 — SANDSTONE WITH SILTSTONE: medium light grey and dark grey
- Red Lead Formation
  - €r1 — CONGLOMERATE: medium light grey angular to subrounded clasts of chert, siltstone, and bright green fuchsite in sandstone matrix, minor sandstone interbeds
  - €r2 — SILTSTONE: pale green-grey to medium light grey
- Crimson Ck Formation — €c — SANDSTONE WITH SHALY SILTSTONE: medium grey to green-grey with dark grey
- Serpentine — €s — DOLOMITIZED SERPENTINITE (?) grey-green

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement

Contact dashed where indefinite, questioned where inferred

Brecciation

Pb, Zn mineralization

0.29 0.52 1.21 / 6.5' — Pb% Zn% Ag oz / True width (feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611213 74-1998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

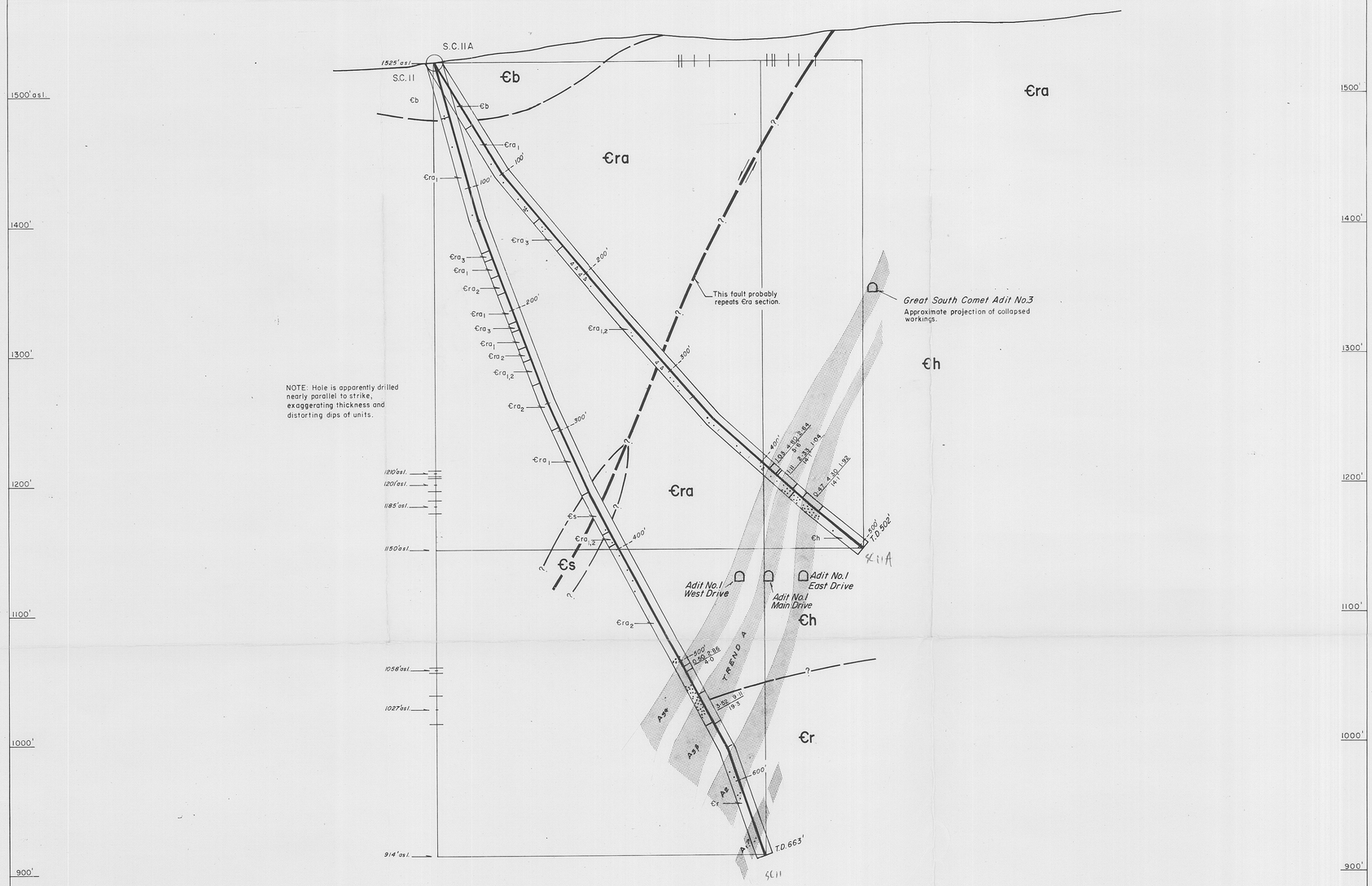
DIAMOND DRILL HOLE SECTION
S.C. 10

2462

PROJECT	7/68	AUTHOR	J. Thigpen	DATE	May, 1972	DWG Nº	B/110

SOUTH WEST

NORTH EAST



D.D.H. S.C. II

Location: South Comet Grid 42 S + 1·7 W, 50' S

Collar: 1525' asl.
Azimuth: 74° T
Dip: 75°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
250'	- 70°	76°30'T
300'	- 66°	76°
400'	- 62°	70°
550'	- 62°	69°30'
600'	- 71°	

Pico Camera Survey

D.D.H. S.C.IIA

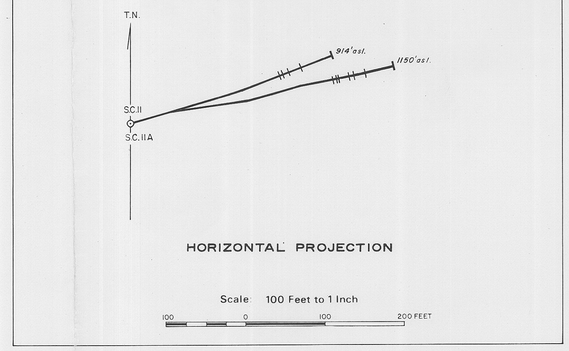
Location: South Comet Grid 42 S + 1·7 W, 50' S

Collar: 1525' asl.
Azimuth: 74° T
Dip: 59°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	- 50°	82° T
300'	- 49°	77°
400'	- 42°	79°30'
500'	- 39°	76°30'

Pico Camera Survey



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN

DUNDAS GROUP
- Brewery Junction Formation — €b — SANDSTONE WITH SHALE INTERBEDS: medium to light grey, coarse grained.
- Razorback Formation — €ra1 — MUDSTONE CONGLOMERATE: medium to dark grey with angular to subrounded pebbles and cobbles of sandstone and siltstone in mudstone matrix.
- Razorback Formation — €ra2 — SANDSTONE: medium grey, coarse grained.
- Razorback Formation — €ra3 — DOLOMITE: medium hard, grey to pale green-grey with pink blotches.
- Serpentine — €s — DOLOMITE AND SERPENTINE: medium grey to pale green and green-grey, serpentine zones up to 1'0" thick.

DUNDAS GROUP
- Hodge Formation — €h — SILTSTONE AND SANDSTONE: grey.
- Red Lead Formation — €r — CONGLOMERATE: grey to tan brown and green, pebbly clasts of sandstone, mudstone and chert in argillaceous sandstone matrix; abundant fuchsite below 594'

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz. / True width (feet)

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611214

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

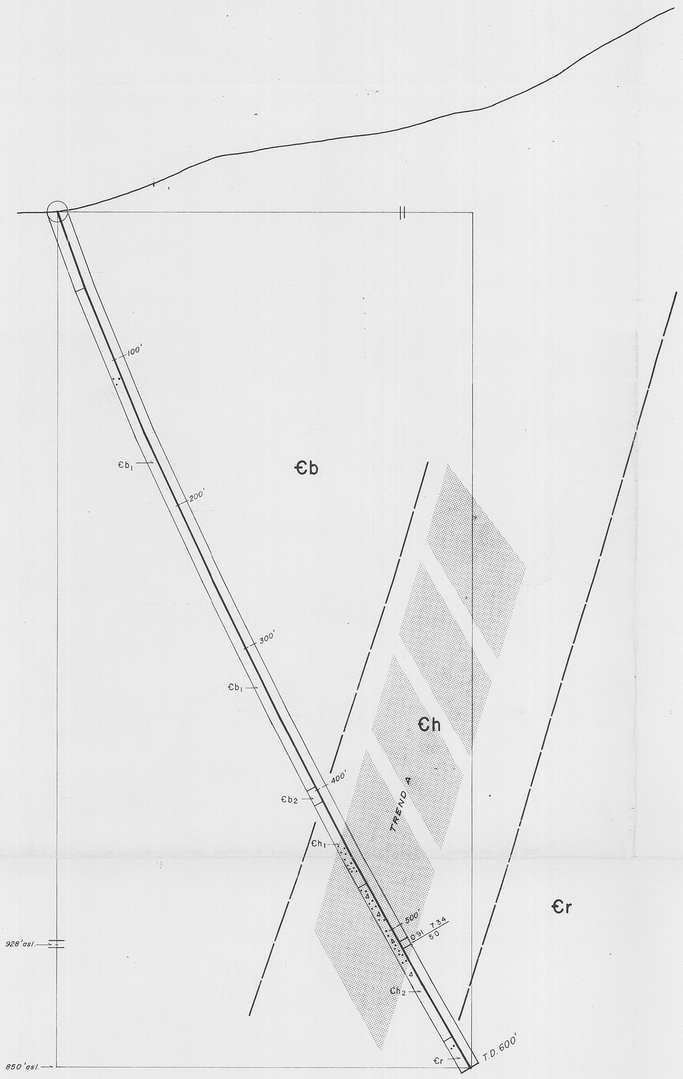
DIAMOND DRILL HOLE SECTION S.C. II & IIA

2464

PROJECT	7/68	AUTHOR	J. Thigpen	DATE	May June '72	DWG. No	B.III

SOUTH WEST

NORTH EAST



D.D.H. S.C. 12

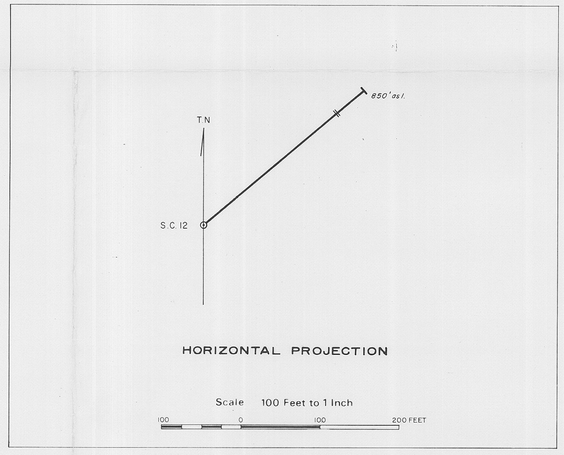
Location : South Comet Grid
48S+07E, 10'N

Collar: 1390'asl.
Azimuth: 50°T
Dip: 70°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-67°30'	—
200'	-65°	—
300'	-64°	—
400'	-62°30'	—
500'	-61°	—
580'	-60°	—

Acid bottle test



LEGEND

CAMBRIAN — DUNDAS GROUP

- Brewery Junction Formation
  - €b1 — SILTSTONE: laminated from light grey to dark grey.
  - €b2 — SHALE: carbonaceous from black to light grey.
- Hodge Formation
  - €h1 — SILTSTONE-MUDSTONE: cream, pink, and light grey.
  - €h2 — SILTSTONE: laminated, micaceous, strongly sheared.
- Red Lead Formation
  - €r — DOLOMITE AND FUCHSITE: conglomerate.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

0.29 0.52 / 6.5 — Pb% Zn% / True width (feet)

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611215

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

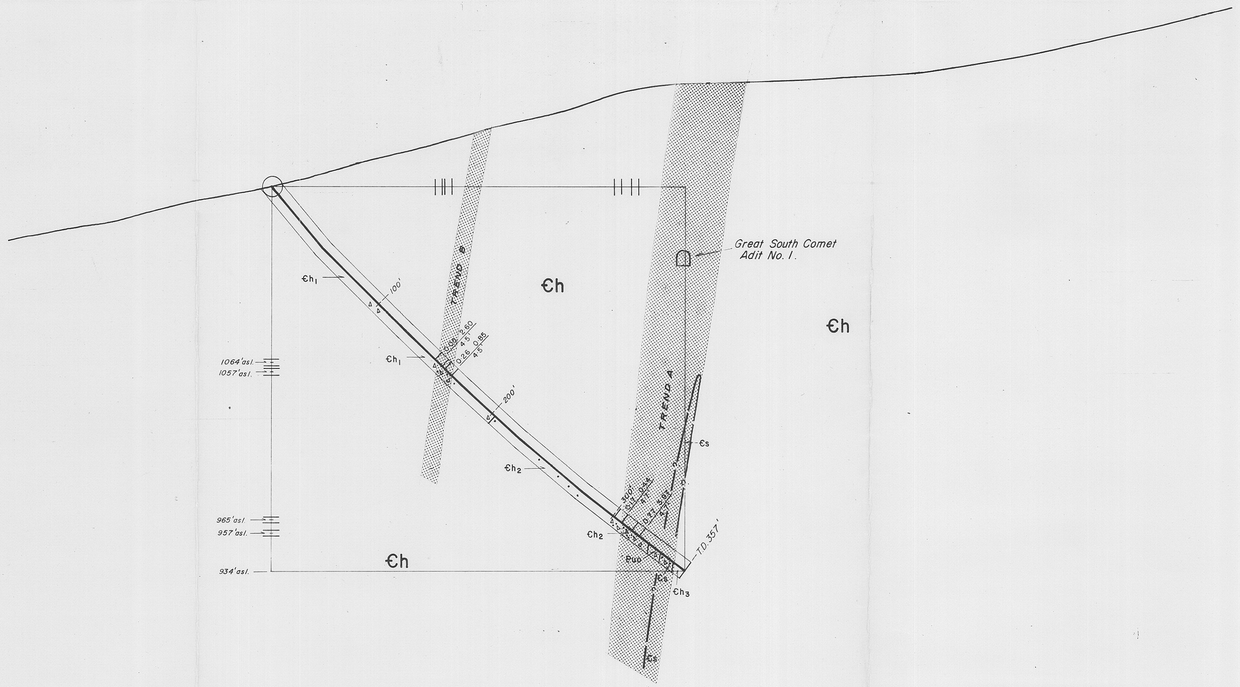
DIAMOND DRILL HOLE SECTION
S.C. 12

2465

PROJECT	7/68	AUTHOR	L. Discala	DATE		DWG. NO	B 112

WEST

EAST



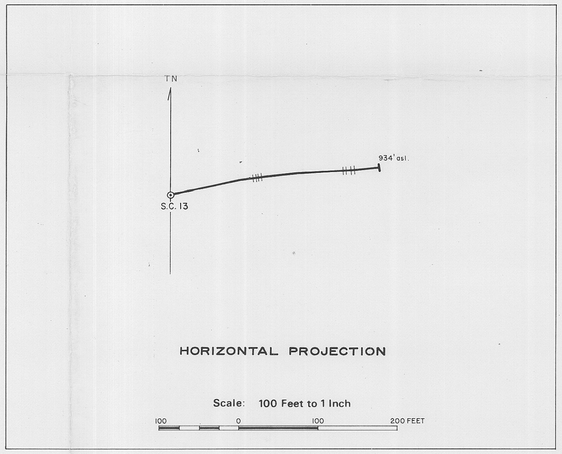
D.D.H. S.C. 13

Location : South Comet Grid
36 S + 5 W + 90'S

Collar : 1175' asl.
Azimuth : 78° T
Dip : 50°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-45°	–
150'	-44°	82° T
200'	-43°	84° T
250'	-40°	87° T
300'	-38°	87° T
325'	-37°	84° T



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — DUNDAS GROUP — Hodge Formation

- Ch1 — SILTSTONE WITH SANDSTONE : medium to light grey, well laminated.
- Ch2 — SANDSTONE : khaki to light grey with some interbedded khaki siltstones.
- Ch3 — SANDSTONE : medium grey, with some interbedded dark grey siltstone.

Serpentine

- Cs — SERPENTINITE (?) : grey to green intensely sheared and serpentinized rock with slate and shale fragments.

PROTEROZOIC — Oonah Formation

- Puo — SLATE : black, strongly graphitic.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

0.29 Pb% 0.52 Zn%
6.5' True width (feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611216 7h-998

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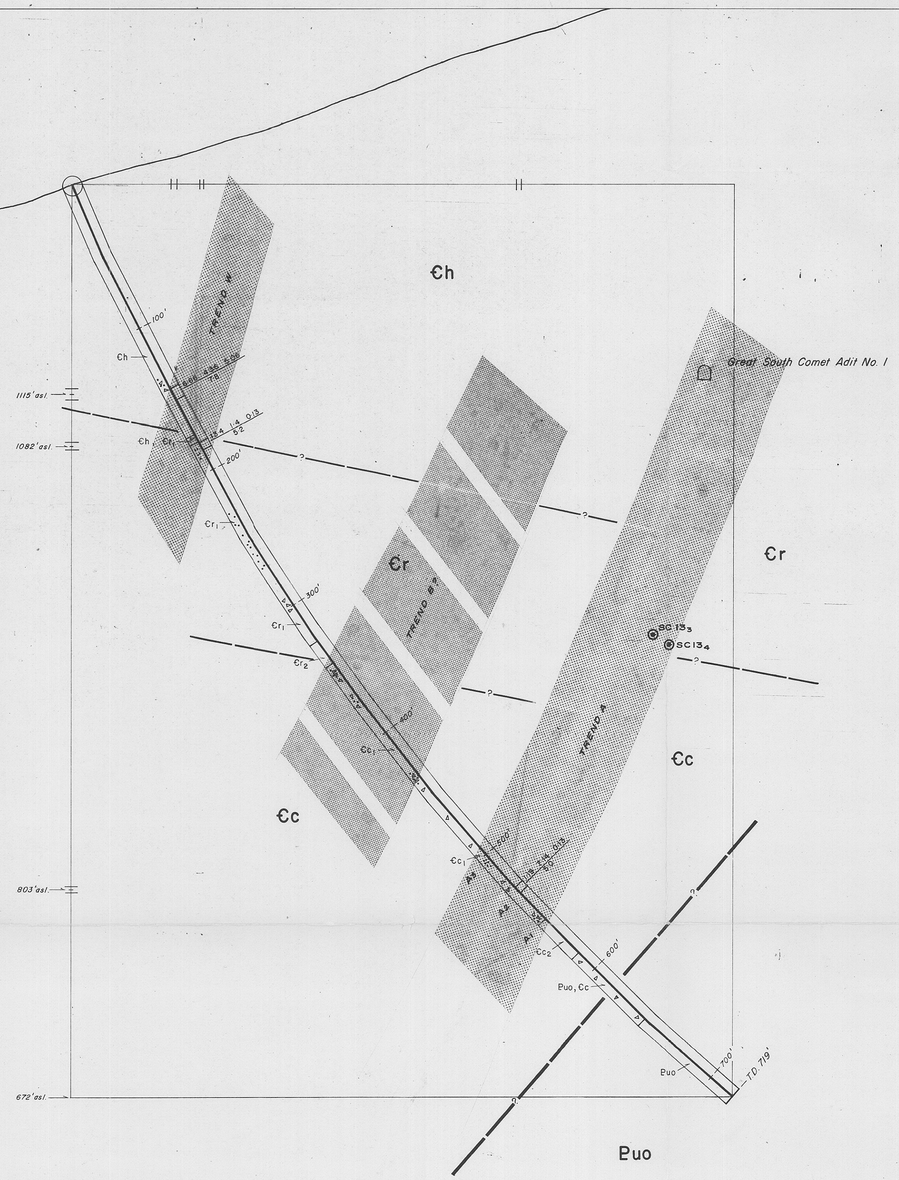
DIAMOND DRILL HOLE SECTION
S.C. 13 2466

PROJECT	7/68	AUTHOR	W Turner	DATE	June, 1972	DWG. NO	B 113

WEST

EAST



Puo

D.D.H. S.C. 14

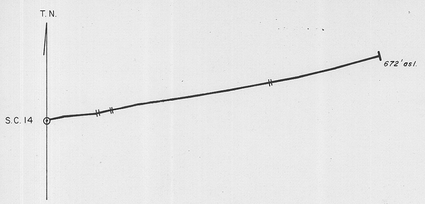
Location : South Comet Grid
36S+6·45W, 115'S

Collar: 1246'asl.
Azimuth: 78° T
Dip: 67°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
98·5'	-63°	-84°30' T
187'	-62°	-78°
295·2'	-57°	-84°30'
351'	-54°	-82°30'
400·2'	-52°	-80°
498·7'	-49°	-79°30'
551·1'	-46°	–
600·4'	-45°	-77°30'
698·9'	-41°	-74°30'

Acid bottle test and Tropari Survey



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN
- DUNDAS GROUP
  - Hodge Formation — €h — SANDSTONE, SILTSTONE, SHALE : light - dark grey, frequently laminated.
  - Red Lead Formation
    - €r1 — CONGLOMERATE : chert and shale fragments in arenaceous matrix.
    - €r2 — SILTSTONE : dark grey – black with narrow conglomerate bands.
  - Crimson Creek Formation
    - €c1 — SANDSTONE, SILTSTONE : light - dark grey to black.
    - €c2 — SILTSTONE, MUDSTONE : pink, grey.

PROTEROZOIC
- Oonah Formation — Puo — QUARTZITE : light grey micaceous. SLATE : black graphitic.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz / True width (feet)

SC 14 2 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611217

74-998

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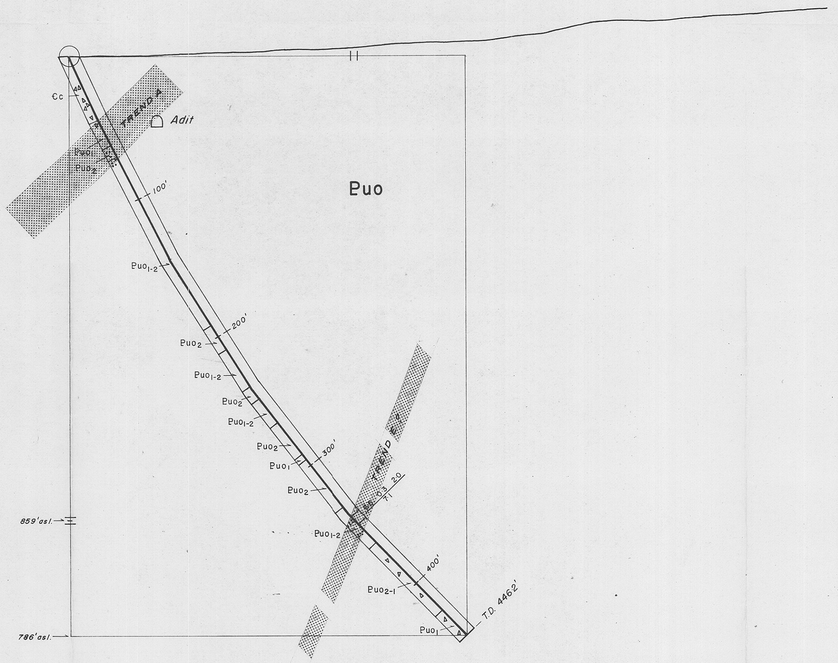
DIAMOND DRILL HOLE SECTION S.C. 14

2467

PROJECT	7/68	AUTHOR	W Turner	DATE	October, 72	DWG NO	B114

WEST

EAST



1100' asl.
1000'
900'
800'
700'
600'
500'

1100'
1000'
900'
800'
700'
600'
500'

D.D.H. S.C. 15

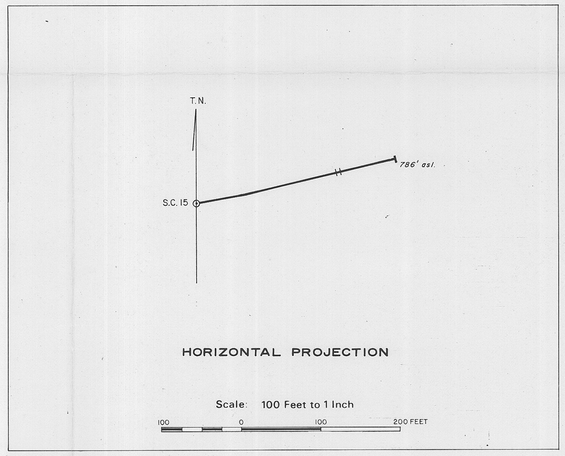
Location : South Comet Grid
32S+7·9W, 55'S

Collar: 1155' asl.
Azimuth: 80°T
Dip: 65°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
88·6'	-63°	-
196·8'	-58°	77°
285·4'	-52°	-
394·6'	-46°	-

Acid bottle test



LEGEND

CAMBRIAN — Crimson Ck. Formation — ϵc — *SILTSTONE WITH MINOR SANDSTONE AND MUDSTONE: medium grey.*

PROTEROZOIC — Oonah Formation — Puo_1 — *SLATE WITH QUARTZITE INTERBEDS: dark and medium grey respectively, slate is graphitic.*

PROTEROZOIC — Oonah Formation — Puo_2 — *QUARTZITE WITH SLATE INTERBEDS: medium and dark grey respectively, quartzite is micaceous.*

Fault, dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact, dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

0·29 0·52 1·21 / 6·5' — *Pb% Zn% Ag oz / True width (feet)*

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

74-998 611218

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

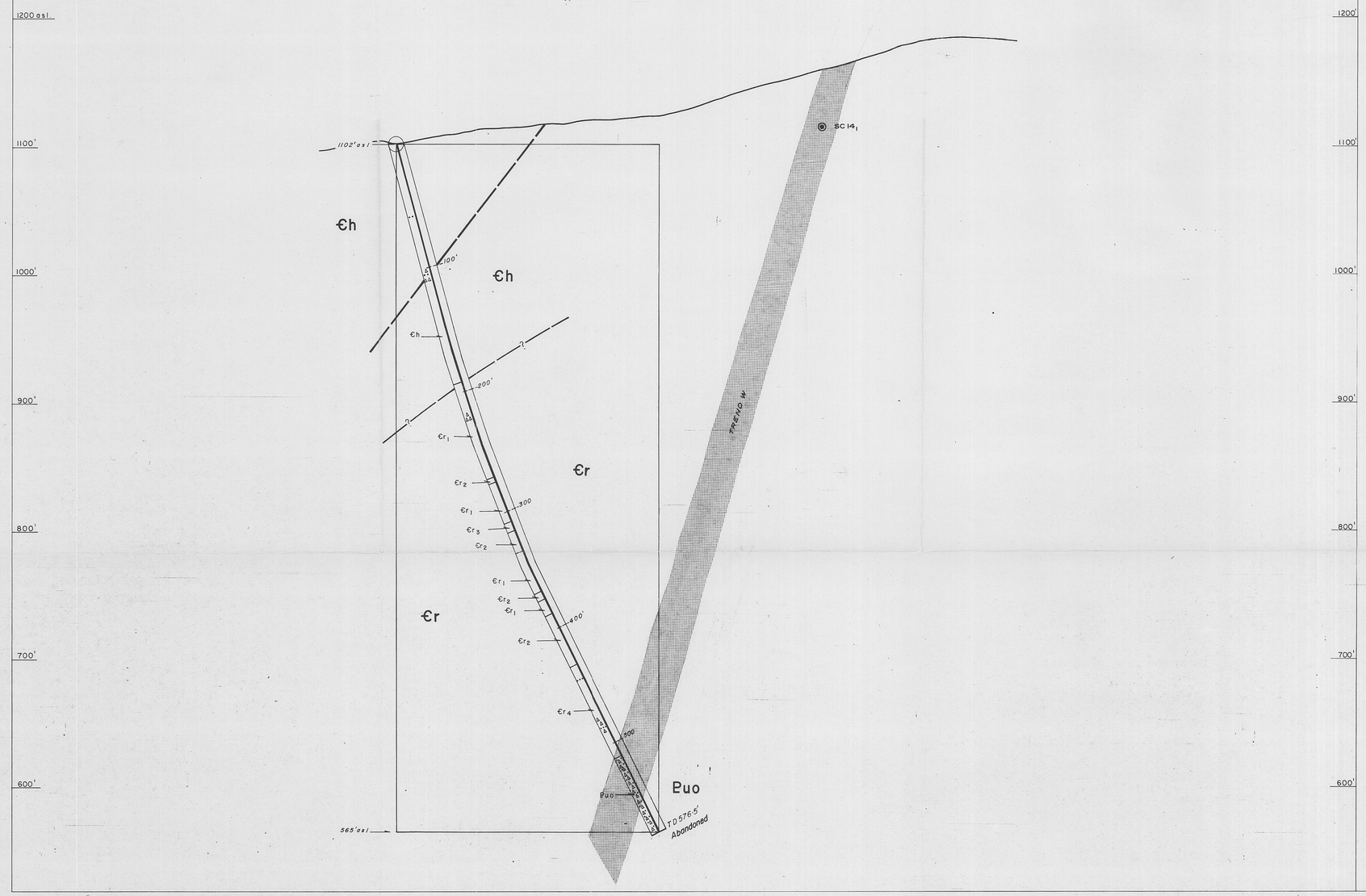
DIAMOND DRILL HOLE SECTION
S.C. 15

2468

PROJECT	7/68	AUTHOR	Thigpen	DATE	Nov. 1972	DWG NO	B115

SOUTH WEST

NORTH EAST



D.D.H. S.C.16

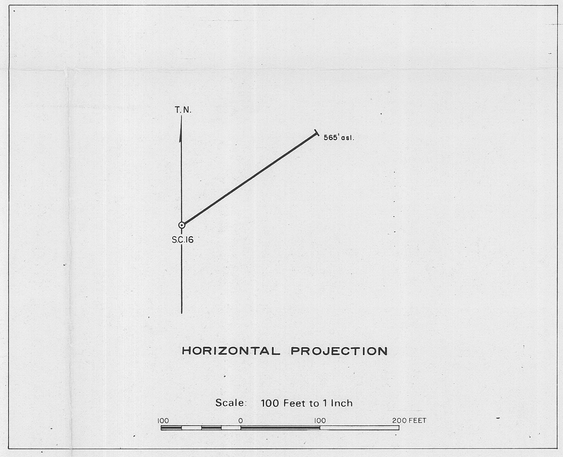
Location : South Comet Grid
38S+8·8W, 25'S

Collar: 1102' asl.
Azimuth: 56° T
Dip: 75°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
108·5'	75°	
196·9'	73°	
295·2'	69°	
395·2'	64°	

Tropari Survey



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — DUNDAS GROUP

- Hodge Formation
  - €h — SILTSTONE: from light to dark grey. MUDSTONE: cream and grey. SHALE: dark grey.
- Red Lead Formation
  - €r1 — DOLOMITE: grey-greenish, with interbedded layers of fuchsite conglomerate.
  - €r2 — FUCHSITE CONGLOMERATE: pebbly.
  - €r3 — SANDSTONE: dolomitic.
  - €r4 — SILTSTONE: grey. SHALE: dark grey, with interbedded layers of pebbly grit.

PROTEROZOIC

- Oonah Formation
  - Puo — SLATE: black, graphitic, brecciated

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz / True width (feet)

SC14 2 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

74-998 611219

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TEXINS DEVELOPMENT PTY. LTD.
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

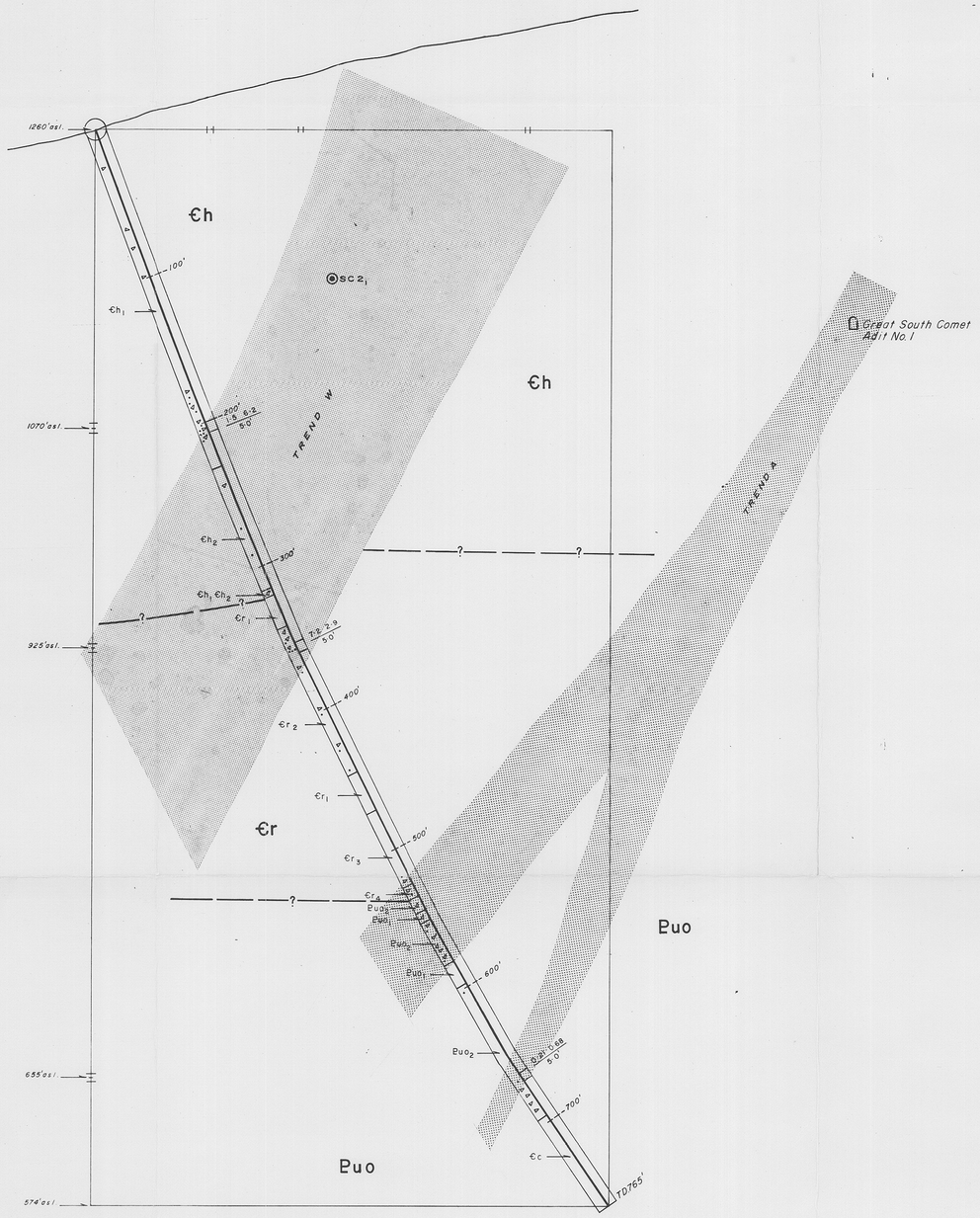
DIAMOND DRILL HOLE SECTION S.C.16

2469

PROJECT	7/68	AUTHOR	Discala	DATE	Oct. Dec. 72	DWG. No.	B 116

WEST

EAST



D.D.H. S.C. 17

Location : South Comet Grid
40 S 5·5W + 20'N

Collar : 1260' asl.
Azimuth : 78° T
Dip : 70°

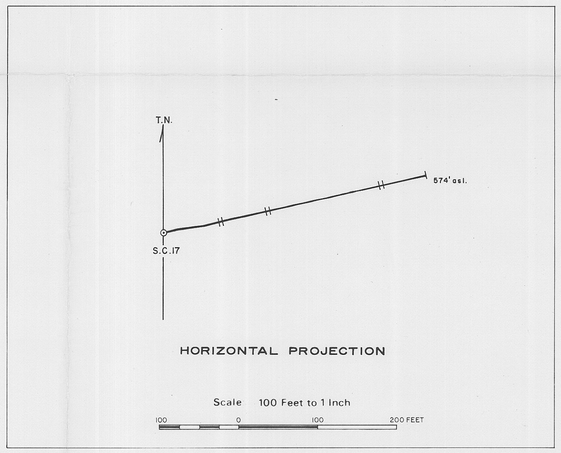
INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
80'	70°	81·5° T
190'	69°	77°
300'	68°	77·5°

Tropari Survey

400'	64°
500'	64°
600'	61°
700'	56°

Acid bottle test



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN
- DUNDAS GROUP
  - Hodge Formation
    - €h1 — SANDSTONE AND SILTSTONE: light–dark, well laminated frequent wavy laminations.
    - €h2 — SANDSTONE: light–grey, with minor interbedded siltstone.
  - Red Lead Formation
    - €r1 — CONGLOMERATE: variegated, argillaceous – arenaceous matrix, fuchsite.
    - €r2 — SANDSTONE AND SILTSTONE: grey, occasionally green-grey some interbedded conglomerate.
    - €r3 — SILTSTONE: medium – dark grey, occasionally well laminated.
    - €r4 — SILTSTONE AND SERPENTINITE: dolomitized.
  - Crimson Creek Formation — €c? — SILTSTONE AND MUDSTONE: light-grey, khaki, black, pink, some sandstones.

PROTEROZOIC
- Oonah Formation
  - Puo1 — SERPENTINIZED ? VOLCANIC: grey green. Some ? interbedded black slate.
  - Puo2 — SLATE AND SHALE: black, graphitic. Some quartzite and chert.

Fault, dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact, dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

029 052 1·21 / 6·5' — Pb% Zn% Ag oz / True width (feet)

SC14 2 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611220

74-998

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION

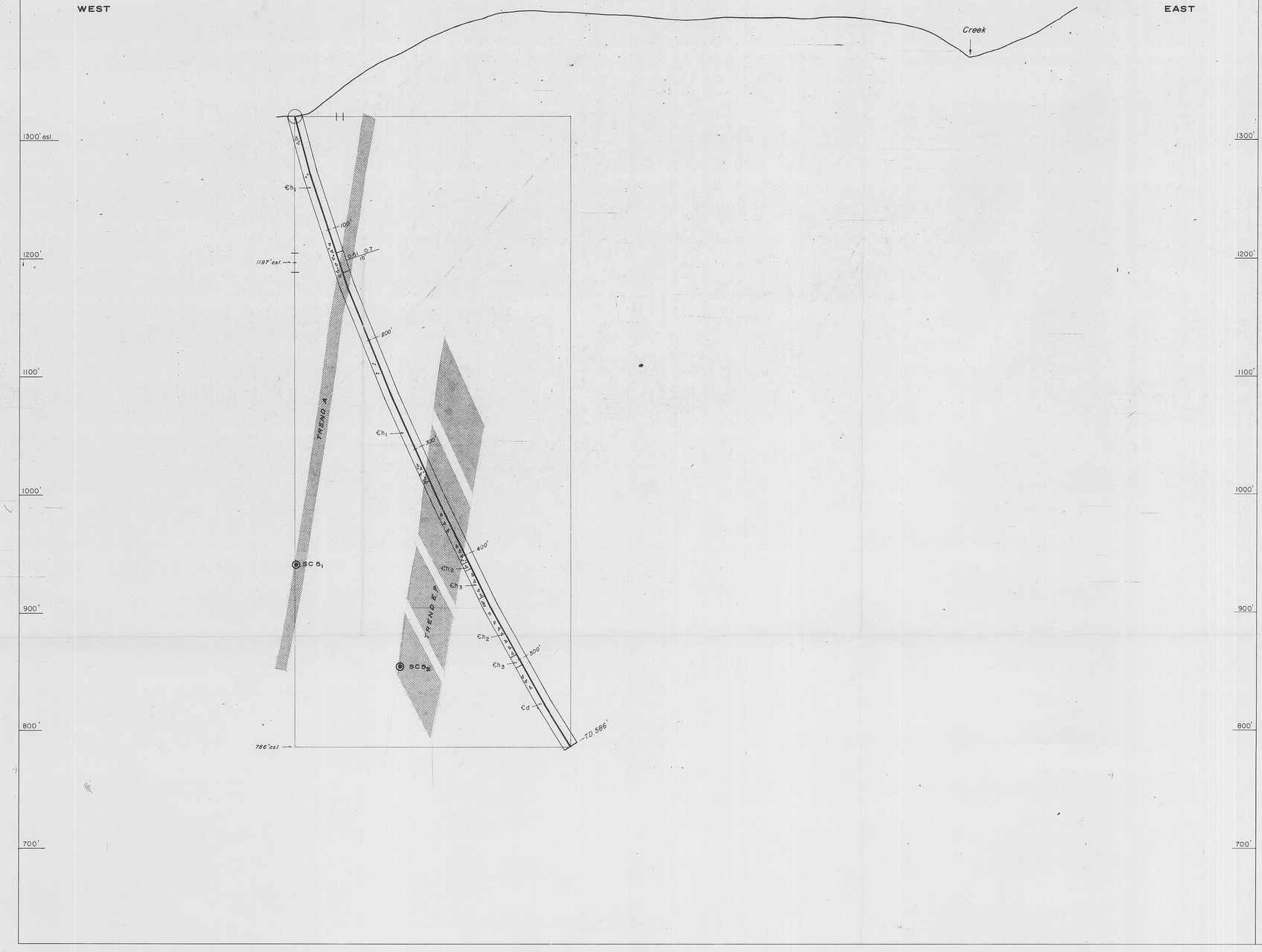
S.C.17

2470

PROJECT	7/68	AUTHOR	Turner	DATE		DWG NO	B117

WEST

EAST



D.D.H. S.C. 18

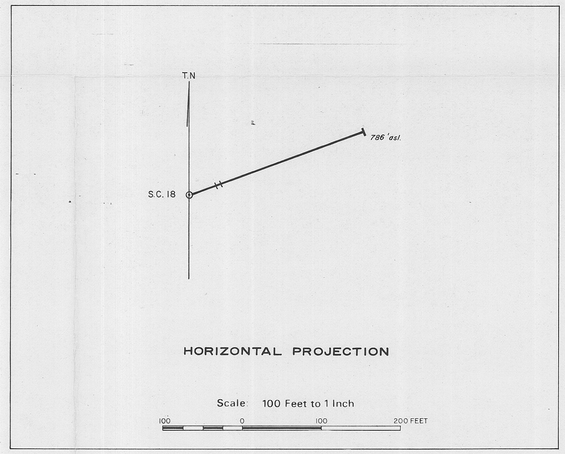
Location : South Comet Grid
52S+24E,66'N

Collar: 1320' asl.
Azimuth: 70°T
Dip: 75°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-72°	-
200'	-68°	-
300'	-66°	-
400'	-64°	-
500'	-61°	-
586'	-58°	-

Acid bottle test



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — DUNDAS GROUP — Hodge Formation

- Ch1 — SILTSTONES / SANDSTONES: dark grey to light grey well laminated.
- Ch2 — SILTSTONE: dominantly siltstone plus some slate and sandstone.
- Ch3 — SILTSTONES/MUDSTONES: occasionally weakly laminated; grey, pink grey, khaki.
- Cd — VOLCANIC ?: black slate inclusions, frequent diagenetic pyrite.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 / 6·5' — 0·52 — 1·21 — Pb% Zn% Ag oz. / True width (feet)

SC 14 ₂ — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611221 74-998

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TEXINS DEVELOPMENT PTY. LTD.
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

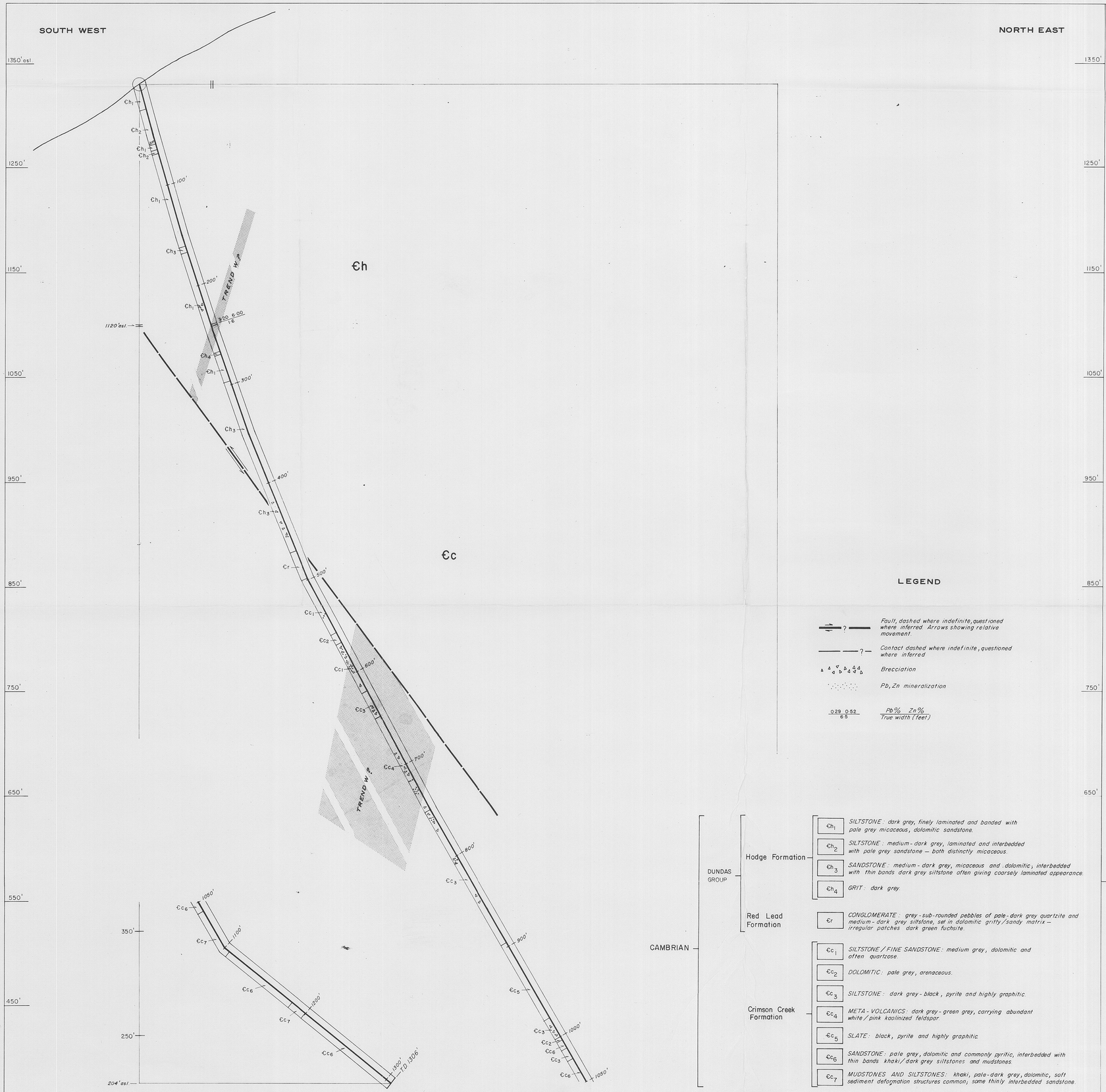
DIAMOND DRILL HOLE SECTION S.C. 18

2471

PROJECT	7/68	AUTHOR	Turner	DATE	Jan. 1973	DWG. NO.	B118

SOUTH WEST

NORTH EAST



LEGEND

- Fault, dashed where indefinite, questioned where inferred. Arrows showing relative movement.
- Contact dashed where indefinite, questioned where inferred
- Brecciation
- Pb, Zn mineralization
- 0.29 0.52 / 6.5 — Pb% Zn% / True width (feet)

CAMBRIAN

DUNDAS GROUP

Hodge Formation

- €h1 — SILTSTONE: dark grey, finely laminated and banded with pale grey micaceous, dolomitic sandstone.
- €h2 — SILTSTONE: medium-dark grey, laminated and interbedded with pale grey sandstone — both distinctly micaceous.
- €h3 — SANDSTONE: medium-dark grey, micaceous and dolomitic, interbedded with thin bands dark grey siltstone often giving coarsely laminated appearance.
- €h4 — GRIT: dark grey.

Red Lead Formation

- €r — CONGLOMERATE: grey-sub-rounded pebbles of pale-dark grey quartzite and medium-dark grey siltstone, set in dolomitic gritty/sandy matrix — irregular patches dark green fuchsite.

Crimson Creek Formation

- €c1 — SILTSTONE/FINE SANDSTONE: medium grey, dolomitic and often quartzose.
- €c2 — DOLOMITIC: pale grey, arenaceous.
- €c3 — SILTSTONE: dark grey-black, pyrite and highly graphitic.
- €c4 — META-VOLCANICS: dark grey-green grey, carrying abundant white/pink kaolinized feldspar.
- €c5 — SLATE: black, pyrite and highly graphitic.
- €c6 — SANDSTONE: pale grey, dolomitic and commonly pyritic, interbedded with thin bands khaki/dark grey siltstones and mudstones.
- €c7 — MUDSTONES AND SILTSTONES: khaki, pale-dark grey, dolomitic, soft sediment deformation structures common; some thinly interbedded sandstone.

D.D.H. S.C. 19

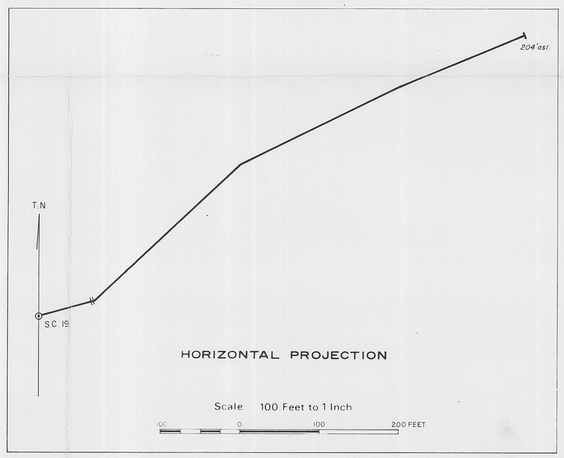
Location: South Comet Grid
44S+56W, 50'N

Collar: 1330' asl.
Azimuth: 75° T
Dip: 75°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-74°	-
200'	-72°	-
300'	-71°	-
400'	-68°	-
500'	-	47° T
600'	-62°	-
900'	-60°	64° T
1300'	-39°	67°30' T

Acid bottle test and Tropari Survey



Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

5 cm

611222

74-998

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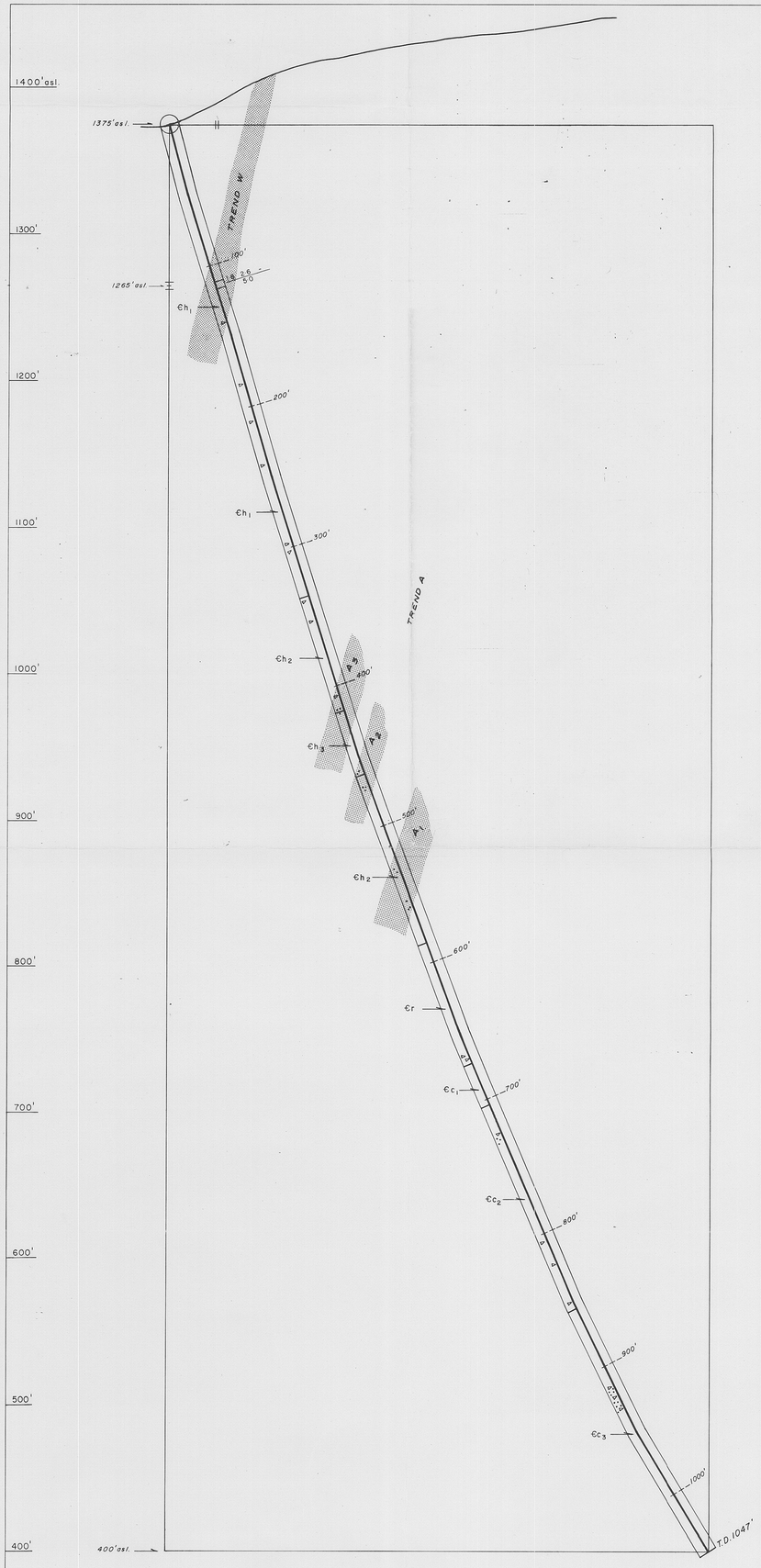
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION
S.C. 19

2472

PROJECT	7/68	AUTHOR	A.C. Johnston	DATE	Jan 1973	DWG. NO.	8119



D.D.H. S.C.21

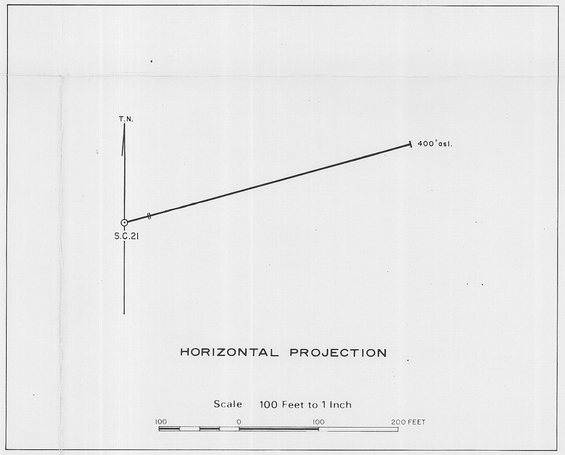
Location : South Comet Grid
42 S 4·3W 80'N

Collar: 1375'asl.
Azimuth: 72°T
Dip: 75°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	- 73°	
200'	- 74°	
300'	- 73°	
400'	- 73°	
500'	- 70°	
600'	- 70°	
700'	- 67°	
800'	–	
900'	- 64°	
1000'	- 59°	
1047'	- 55°	

Acid bottle test



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

Fault, dashed where indefinite, questioned where inferred. Arrows showing relative movement

Contact dashed where indefinite, questioned where inferred

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz. / True width (feet)

- CAMBRIAN
  - DUNDAS GROUP
    - Hodge Formation
      - €h1 — SILTSTONE: grey-dark grey, distinctly micaceous, thinly banded and interbedded with pale grey quartzose, micaceous and often dolomitic sandstone.
      - €h2 — SANDSTONE: pale grey quartzose, micaceous and dolomitic, finely laminated and thinly banded with grey-dark grey siltstone, often quartzose, micaceous.
      - €h3 — SANDSTONE: pale grey-khaki, micaceous and dolomitic, minor thinly interbedded siltstone, khaki-dark grey
    - Red Lead Formation
      - €r — CONGLOMERATE: pale grey, rounded and occasionally sub-angular pebbles of pale grey-white cherl, pale grey quartzose sandstone, grey-dark grey siltstone, pale-dark green patches (irregular) of soft talcose material (fuchsite?), set in dolomitic sandy-gritty matrix - grades into and out of pale grey dolomitic quartzose sandstone - grit
    - Crimson Creek Formation
      - €c1 — VOLCANIC: dark grey-black, highly sheared, carbonized and dolomitic volcanic: mottled with abundant pink kaolinized feldspar, occasionally pyritic.
      - €c2 — SILTSTONE: black, finely pyritic, highly graphitic and occasionally quartzose generally sheared and brecciated appearance.
      - €c3 — SANDSTONE: pale grey, khaki, grey quartzose, micaceous and often dolomitic plus lesser interbanded siltstone-mudstone, khaki-grey-dark grey (graphitic)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611223

74-998

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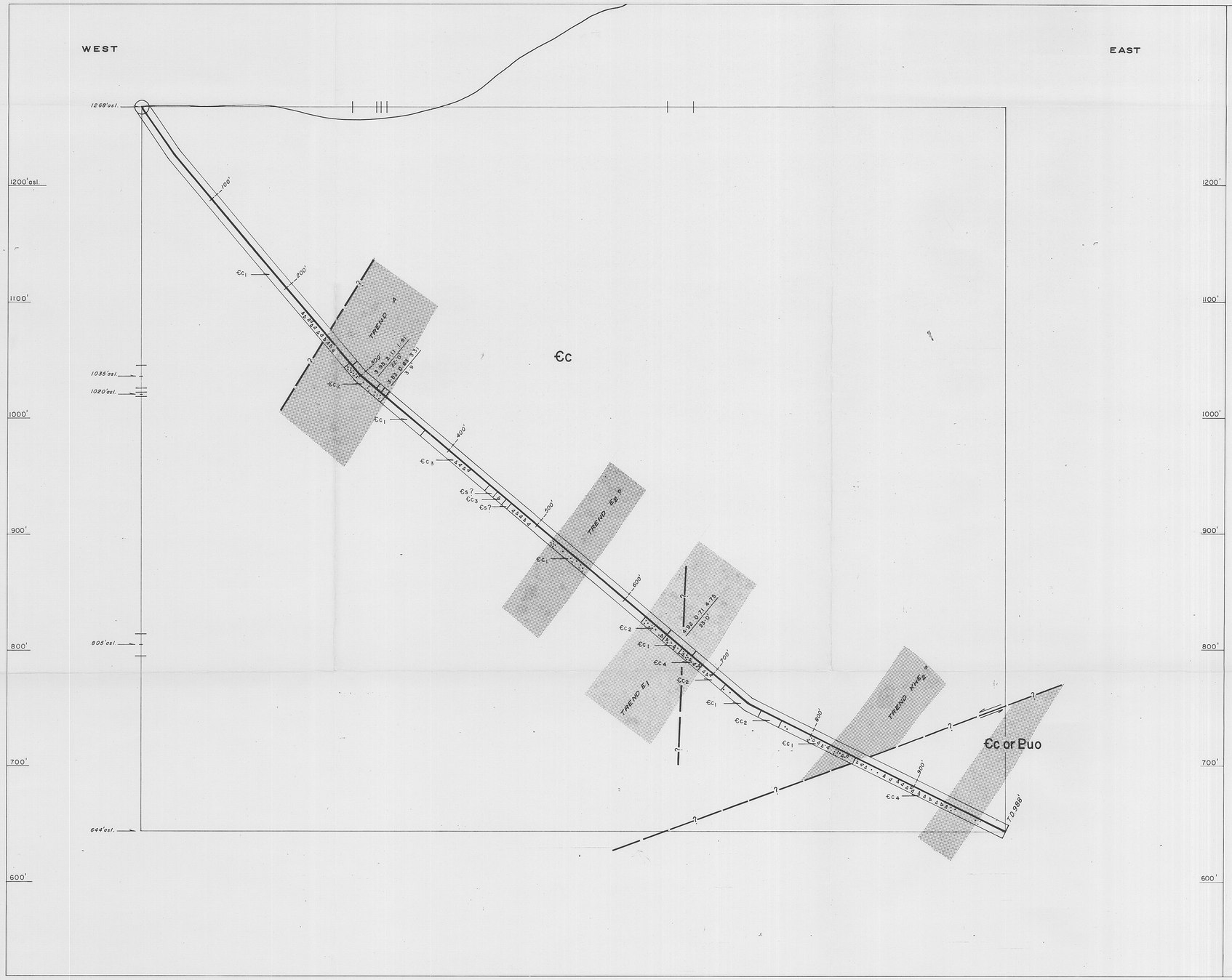
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION S.C. 21

2473

PROJECT	7/68	AUTHOR	A.C. Johnston	DATE	February, 73	DWG. No.	B 120



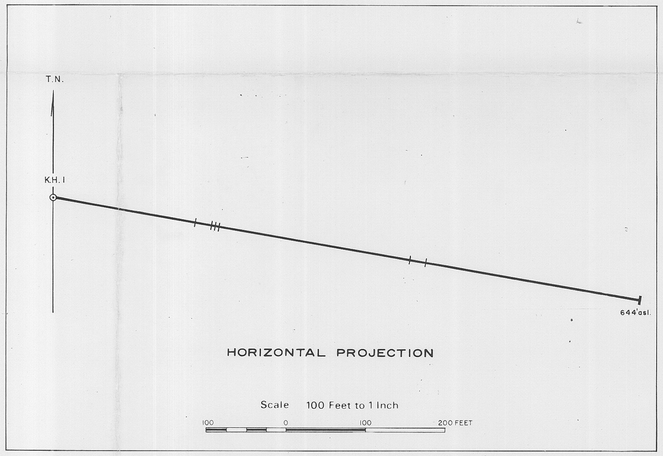
D.D.H. K.H. I

Location : Comet - Kosminsky Grid
22S+16W 10'S

Collar: 1268'asl.
Azimuth: 100° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	50°	
500'	40°	
978'	27°	



HORIZONTAL PROJECTION

Scale 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN

Crimson Creek Formation

- €c1 — INTERBEDDED MUDSTONE, SILTSTONES & ARGILLITES: purple, green pink and grey.
- €c2 — DOLOMITE with DOLOMITIC SILTSTONES: pale cream-pink-grey, pale grey
- €c3 — ARGILLITES: light-dark grey silstone and mudstone
- €c4 — INTERBEDDED GRAPHITIC SLATE & SHALE: medium dark grey This unit could be, or grade into, the Proterozoic Oonah Formation near end of hole

Serpentine

- €s

Fault dashed where indefinite questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz. / True width (feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611224

74-998

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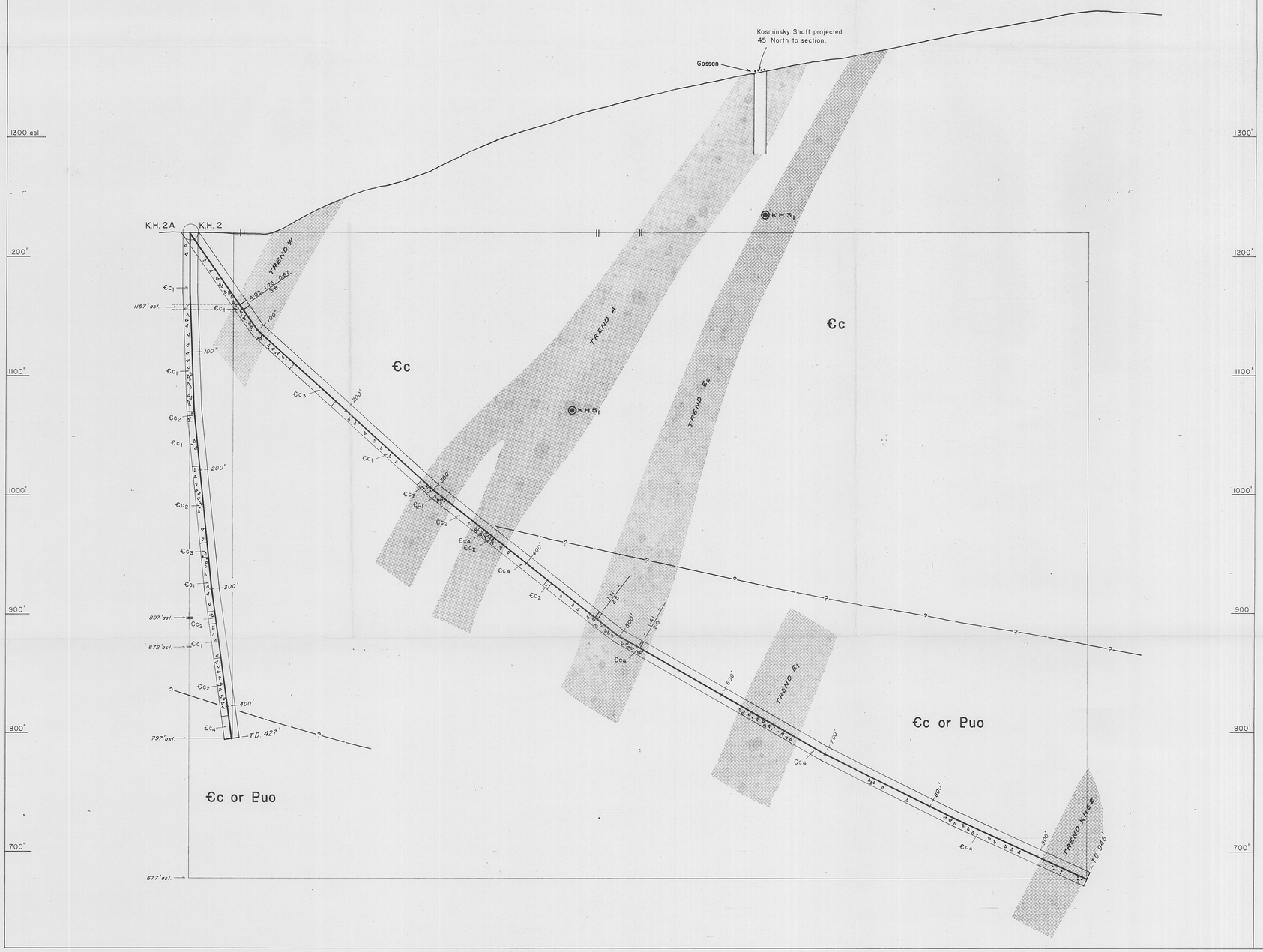
DIAMOND DRILL HOLE SECTION
K.H. I

2474

PROJECT	7/68	AUTHOR	Paterson	DATE	July 1970	DWG. No.	B 121

SOUTH WEST

NORTH EAST



D.D.H. K.H. 2

Location : Comet-Kosminsky Grid
20S + 18·5W, 65'S

Collar : 1220' asl
Azimuth : 70° T
Dip : 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
200'	-42°30'	-
400'	-38°30'	-
600'	-30°	-
800'	-26°30'	-
850'	-25°	-79° T

Acid bottle test and Tropari Survey

D.D.H. K.H. 2A

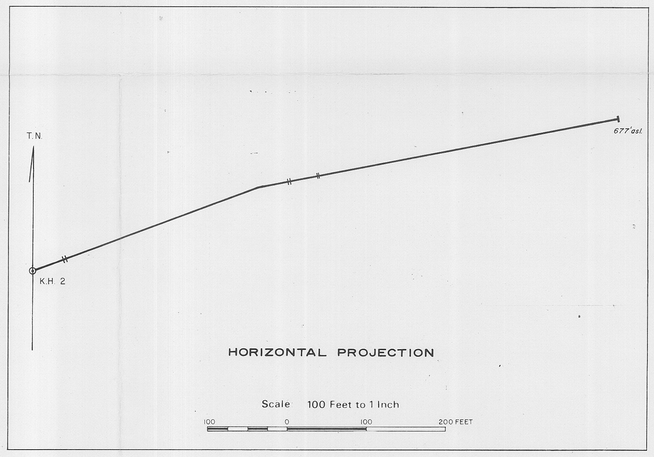
Location : Comet-Kosminsky Grid
20S + 18·5W, 65'S

Collar : 1220' asl.
Azimuth : 70° T
Dip : 90°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-88°	-
200'	-84°30'	-
400'	-82°30'	-

Acid bottle test



LEGEND

CAMBRIAN — Crimson Creek Formation

- €c1 — SILTSTONE, MUDSTONE, SHALE AND SANDSTONE: variegated red, grey, brown, pink and green.
- €c2 — DOLOMITE WITH DOLOMITIC SILTSTONE: light to dark grey.
- €c3 — SILTSTONE – SHALE: light to dark grey, laminated.
- €c4 — SHALE – SLATE WITH MINOR QUARTZITE: dark grey, often graphitic. This unit could be, or grade into, the Proterozoic Oonah Formation.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization

0·29 / 6·5' — 0·52 — 1·21 — Pb% Zn% Ag oz. / True width (feet)

KH2O3 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611225 74-998

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DIAMOND DRILL HOLE SECTION K.H. 2 & K.H. 2A

2475

PROJECT	7/68	AUTHOR	Turner	DATE	Sept. 1969	DWG. NO.	B122

SOUTH WEST

NORTH EAST

Kosminsky Shaft projected 10' North to section

1300' asl.

1200'

1100'

1000'

900'

800'

700'

1238' asl.

798' asl.

€c

€c

€c or Puo

TREND 62°

100'

200'

300'

400'

500'

600'

700'

772' T.D.

1314 2.37 3.42

2.37

5.44

13.53

3.42

0.52

1.21

0.29

6.5

?

D.D.H. K.H. 3

Location : Comet-Kosminsky Grid
20S + 14·5W, 45'N

Collar : 1339' asl.
Azimuth : 70° T
Dip : 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-52°45'	-
300'	-47°30'	-
400'	-44°	-
500'	-42°	-
700'	-36°30'	-
770'	35°	-
772'	25°	79°30'

Acid bottle test and Tropari Survey

T.N.

798' asl.

K.H. 3

HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN

Crimson Creek Formation

- €c1 — SILTSTONE, MUDSTONE, SHALE AND SANDSTONE : variegated red, grey, brown, pink and green.
- €c2 — DOLOMITE WITH DOLOMITIC SILTSTONE : light to dark grey.
- €c3 — SILTSTONE - SHALE : light to dark grey, laminated.
- €c4 — SHALE - SLATE WITH MINOR QUARTZITE : dark grey, often graphitic. This unit could be, or grade into, the Proterozoic Oonah Formation.

Serpentine

- €s

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

0·29 0·52 1·21 / 6·5 — Pb% Zn% Ag oz. / True width (feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611226 74-928

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E.L. 7/68 DUNDAS DISTRICT, TASMANIA

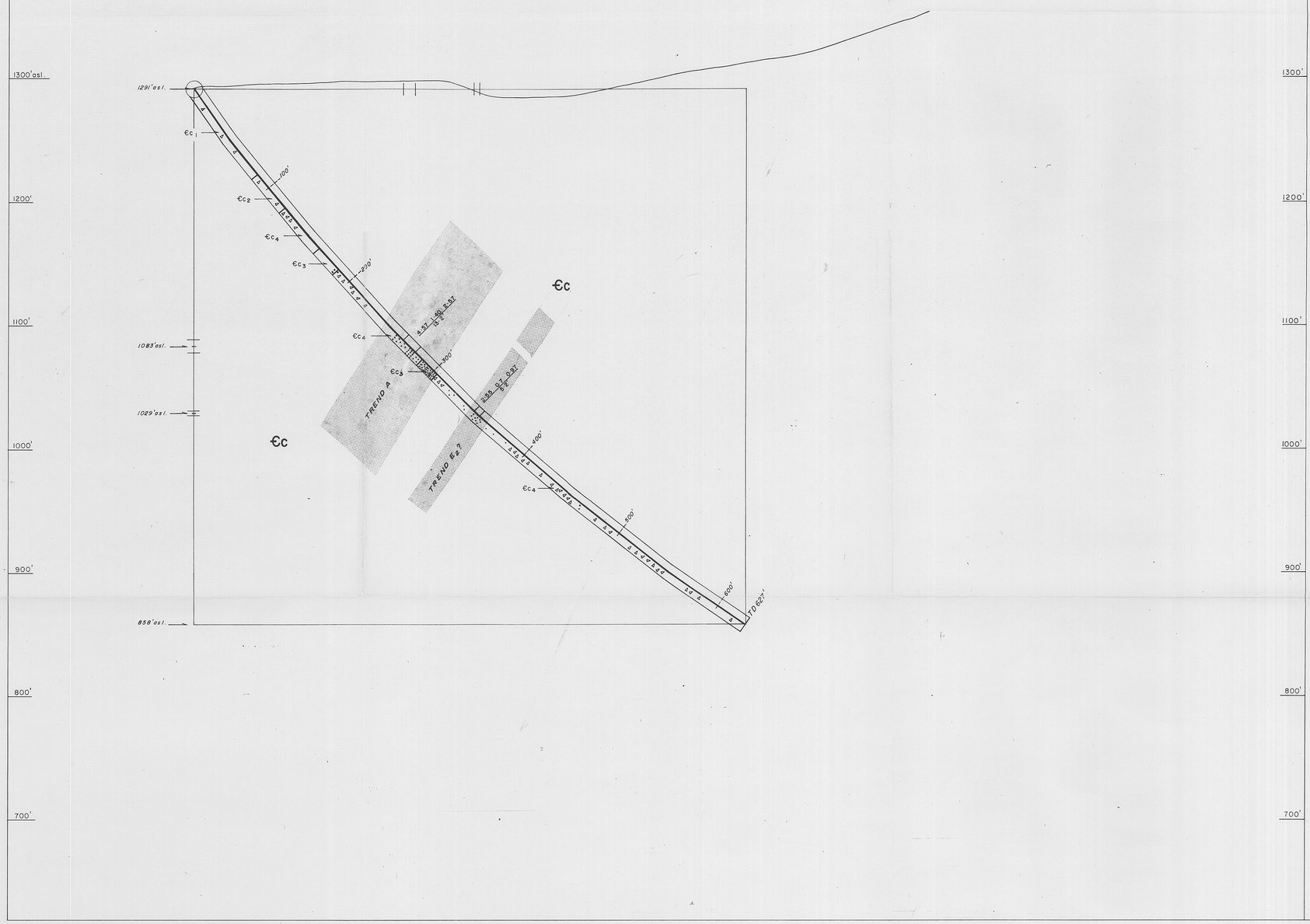
DIAMOND DRILL HOLE SECTION

K.H. 3 2476

PROJECT	7/68	AUTHOR	Turner	DATE	Sept. 1969	DWG No	B 123

WEST

EAST



D.D.H. K.H.4

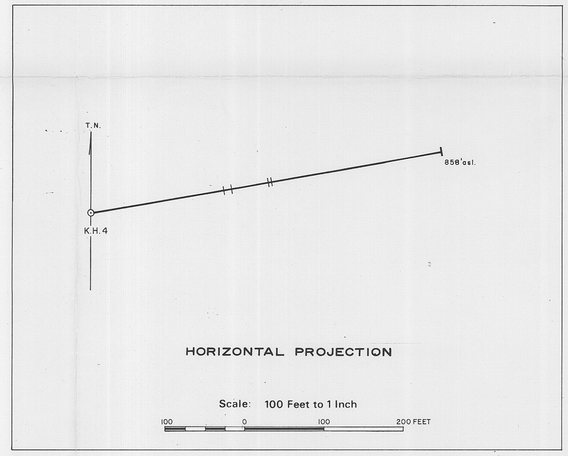
Location : Comet-Kosminsky Grid
26 S+12·4 W, 55 S

Collar : 1291'asl.
Azimuth : 80° T
Dip : 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-51°	-
200'	-48°	-
300'	-45°	-
400'	-41°	-
500'	-38°30'	-
600'	-34°30'	-

Acid bottle test.



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — Crimson Creek Formation

- €c1 — SILTSTONE, SHALE, & SANDSTONE: pink, brown, grey
- €c2 — DOLOMITE WITH DOLOMITIC SILTSTONE: cream to blue-grey
- €c3 — SILTSTONE & SHALE: medium-dark grey some dolomite interbedded
- €c4 — SHALE & SLATE: dark grey, graphitic, this unit may grade into the Proterozoic Oonah Formation toward the bottom of the hole

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement

Contact dashed where indefinite, questioned where inferred

Brecciation

Pb, Zn mineralization

0·29 0·62 1·21 / 6·5' — Pb% Zn% Ag oz / True width(feet)

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611227 74-998

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DIAMOND DRILL HOLE SECTION
K.H.4

2477

PROJECT	7/68	AUTHOR	Paterson	DATE	Dec, 1969	DWG. No.	B 124

SOUTH WEST

NORTH EAST

1250'asl

1150'

1050'

950'

850'

750'

650'

1073'asl

857'asl

620'asl

€c

KH 21

TREND A

TREND B

€c

€c1 — 100' — 200' — 200' — 400' — 500' — 600' — 700' — 800' — 920' — T.D. 936'

€c2 €c4

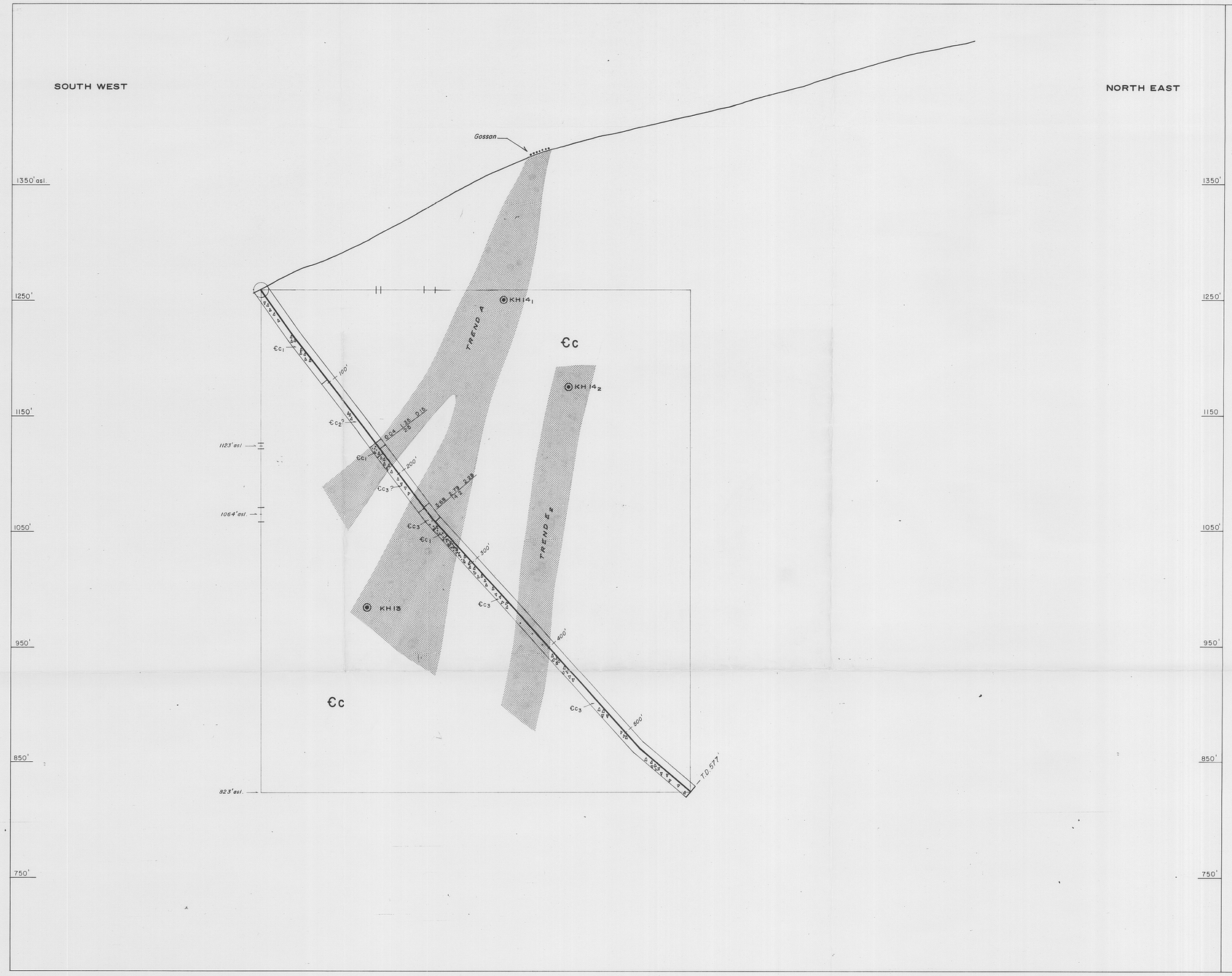
€c3 €c4 €c3 €c3 €c4 €c3 €c4

1.8 1.6 0.9

0.6 0.7

0.5 0.5 0.7

0.5 0.5 0.5



D.D.H. K.H. 6

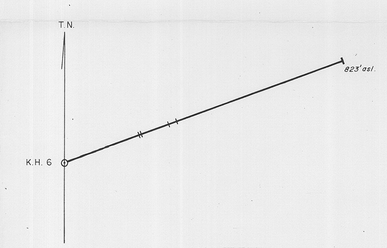
Location : Comet-Kosminsky Grid
26 S + 13·3 W, 70' N

Collar: 1259' asl.
Azimuth: 70° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-52°30'	-
200'	-53°	-
300'	-47°30'	-
470'	-48°	-
570'	40°30'	-

Acid bottle test



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN — Crimson Creek Formation

- €c₁ — DOLOMITE : light grey to dark grey.
- €c₂ — SHALE : light grey to black.
- €c₃ — SHALE AND SLATE : dark grey to black, graphitic.

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement.

Contact dashed where indefinite, questioned where inferred.

Brecciation.

Pb, Zn mineralization.

0·29 0·52 1·21 / 6·5 — Pb % Zn % Ag oz. / True width (feet)

KH2O₃ — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611229 74-998

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TEXINS DEVELOPMENT PTY. LTD.
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

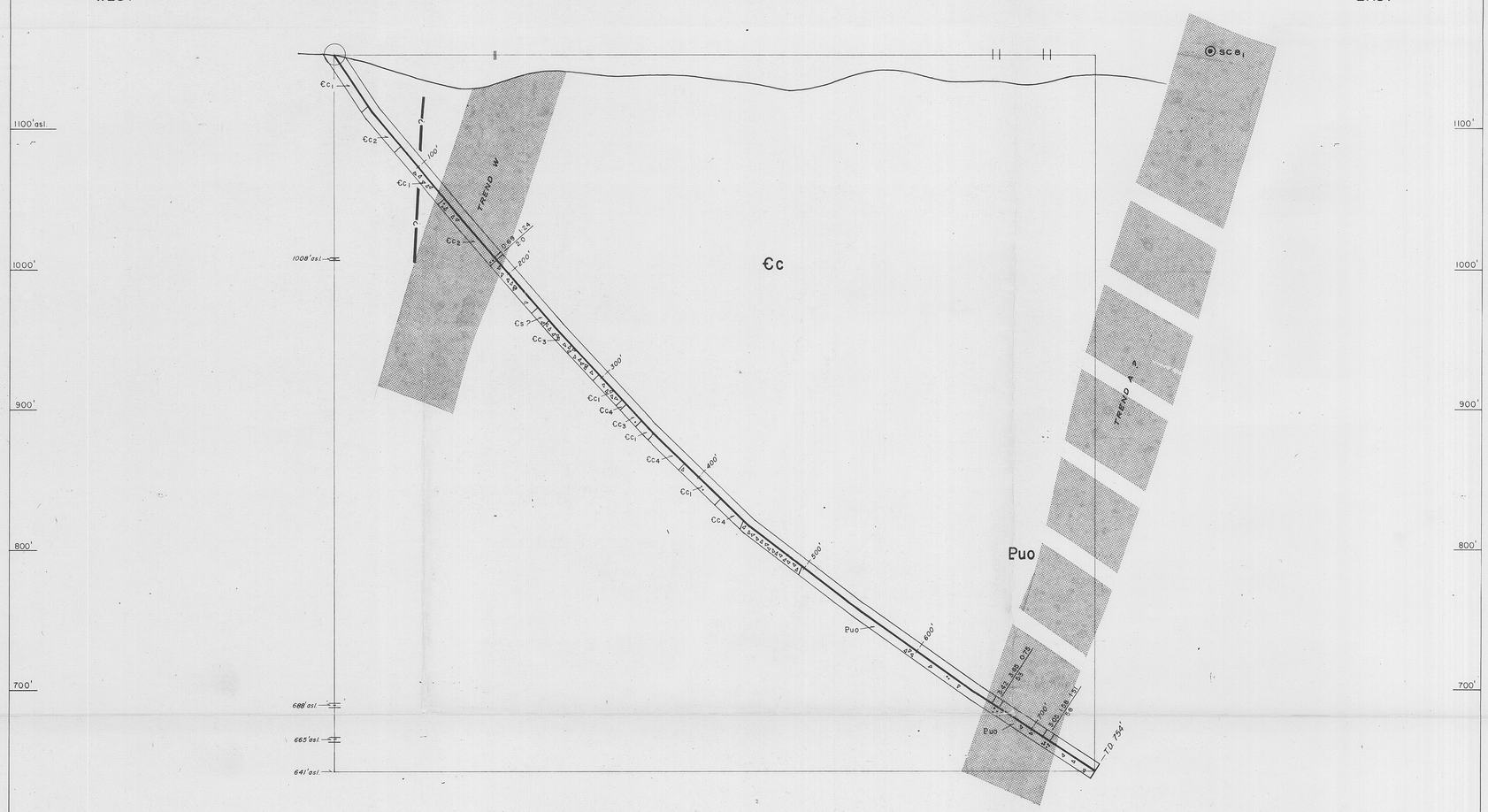
DIAMOND DRILL HOLE SECTION
K.H. 6

2479

PROJECT	7/68	AUTHOR	Turner	DATE	Dec. 1969	DWG. Nº	B 126

WEST

EAST



D.D.H. K.H. 7

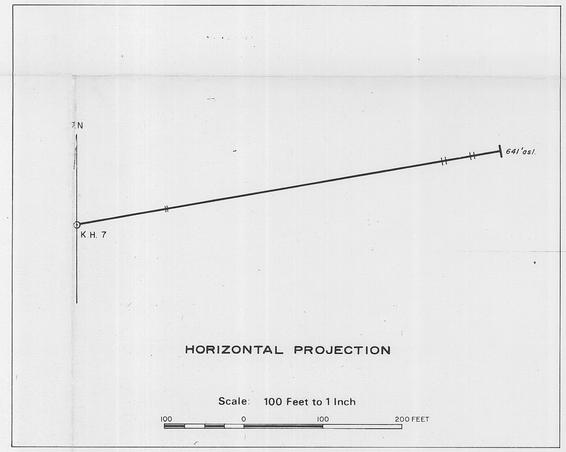
Location : South Comet Grid
35S+72E, 65'S

Collar : 1153'asl.
Azimuth : 80° T
Dip : 56°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-50°	-
200'	-49°	-
300'	-47°	-
400'	-44°	-
500'	-37°30'	-
600'	-35°30'	-
700'	-33°	-

Acid bottle test



HORIZONTAL PROJECTION

Scale: 100 Feet to 1 Inch

100 0 100 200 FEET

LEGEND

CAMBRIAN
- Crimson Ck. Formation
  - Cc_1 — SHALE AND SILTSTONE: light to dark grey, arenaceous, partly laminated.
  - Cc_2 — SANDSTONE AND SILTSTONE: light grey to dark grey and black.
  - Cc_3 — SLATE AND SHALE: dark grey to black graphitic.
  - Cc_4 — MUDSTONE: tan and pink
- Serpentine
  - $Cs?$ — SERPENTINIZED (?) ROCK: grey, called calc-silicate in log, possibly intrusive

UPPER PROTEROZOIC
- Oonah Formation
  - Puo — SLATE AND QUARTZITE: black and dark grey, quartzite is micaceous.

Fault, dashed where indefinite, questioned where inferred, arrows showing relative movement.

Contact, dashed where indefinite, questioned where inferred.

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb% Zn% Ag oz / True width (feet)

SC 14 2' — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611230 74-998

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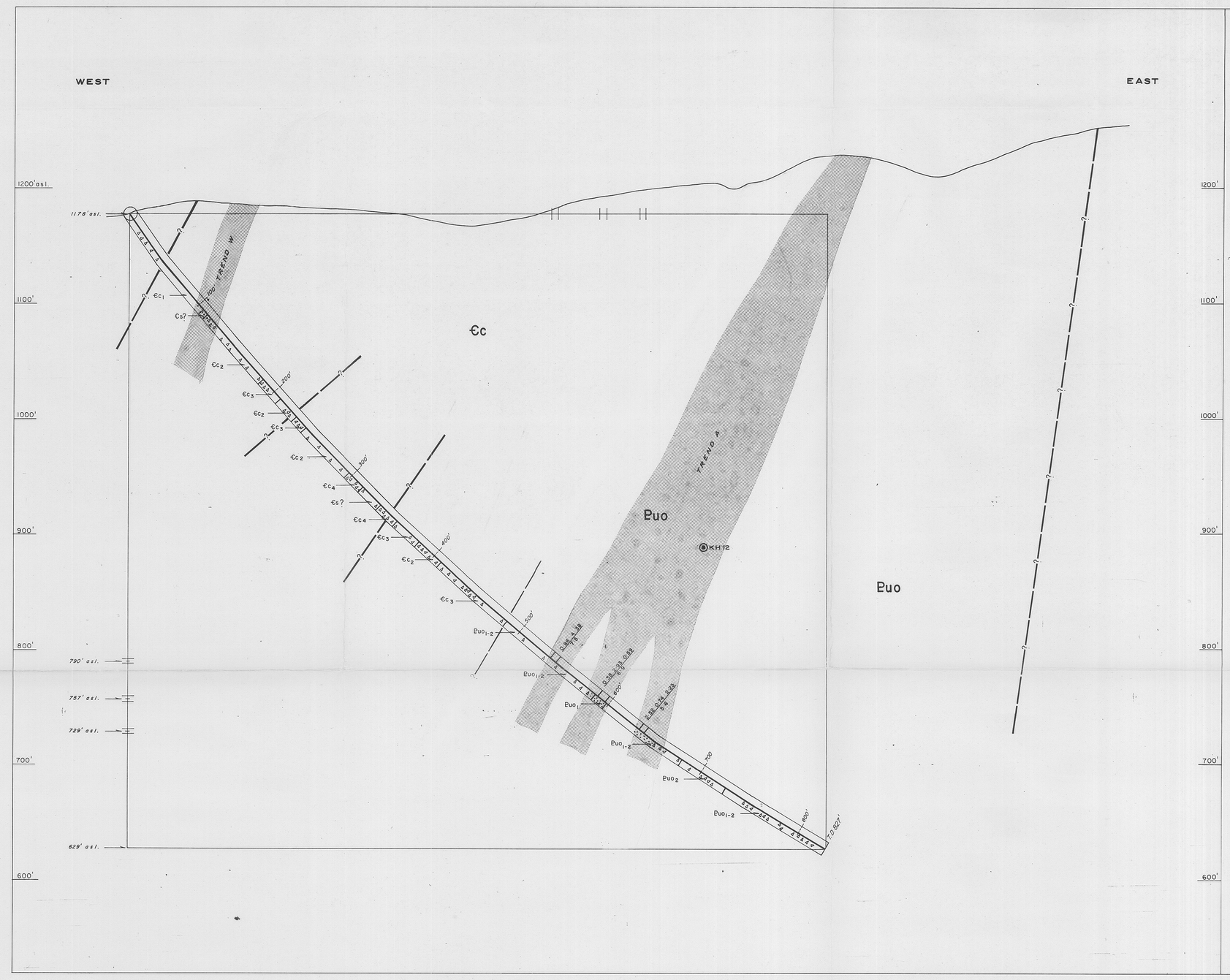
TEXINS DEVELOPMENT PTY. LTD.
E.L. 7/68 DUNDAS DISTRICT, TASMANIA

DIAMOND DRILL HOLE SECTION
K.H. 7 2435

PROJECT	7/68	AUTHOR	W.Turner	DATE	Jan.1970	DWG Nº	B128

SHEET-1



D.D.H. K.H. 8

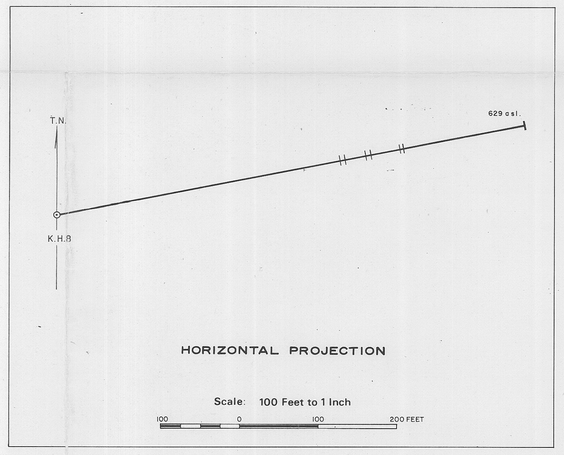
Location : Comet-Kosminsky Grid
30S+15·5W, 19'N

Collar: 1178' asl.
Azimuth: 79° T
Dip: 55°

INCLINATION TEST

Depth	Corrected Dip	Corrected Azimuth
100'	-50°	
200'	-48° 30'	
300'	-45° 30'	
400'	-42° 30'	
500'	-40° 30'	
600'	-38° 45'	
700'	-33°	
800'	-31°	

Acid bottle test.



LEGEND

CAMBRIAN	Crimson Creek Formation	Єc1	SANDSTONE - SILTSTONE : grey
		Єc2	SHALE - SLATE WITH SILTSTONE & SANDSTONE INTERBEDS: dark grey to black.
		Єc3	SILTSTONE, MUDSTONE & SHALE: variegated pink, tan, grey, and green
		Єc4	SHALE: grey often laminated
	Serpentine	Єs?	DOLOMITE - SERPENTINITE (?): grey to green, probable intrusive
PROTEROZOIC	Oonah Formation	Ꝑuo1	SLATE: black, graphitic
		Ꝑuo2	QUARTZITE: grey, micaceous

Fault dashed where indefinite, questioned where inferred. Arrows showing relative movement

Contact dashed where indefinite, questioned where inferred

Brecciation

Pb, Zn mineralization

0·29 0·52 1·21 / 6·5' — Pb % Zn % Ag oz. / True width (feet)

KH2O3 — Mineralization projected to this section from adjacent drill hole. Subnumbers indicate the sequence of mineralization from collar of projected hole.

5 cm

Scale: 50 Feet to 1 Inch

50 0 50 100 150 200 Feet

25 0 25 50 Metres

611231 74-998

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DIAMOND DRILL HOLE SECTION
K.H.8

2436

PROJECT	7/68	AUTHOR	Turner	DATE	May, 1970	DWG No	B 128

SHEET·2