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NEWNHAM EXPLORATION & MINING SERVICES

MICROFILMED
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EL 20/92

MOINA AREA

STORMONT MINE DRILLING PROGRAM

1995-96

EL20/92
- 8
See folio 20
Letter 7/9/96

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MOINA EL 20/92 STORMONT MINE DRILLING
PROGRAM 1995/96 GOLDSTREAM MINING NL
NEWNHAM L A

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1. SUMMARY

A 13-hole core drilling program totalling 741 m. was completed between November 95 - February 96 adjacent to the Stormont mine on E.L. 20/92.

The purpose of the program was to test for extensions of the auriferous skarn body which was previously mined for bismuth.

This drilling, combined with results of earlier drilling and mine sampling programs, has outlined a modest pre-resource mineralised gold bearing body estimated to contain 100,000-150,000 tonnes 2-4 g/t Au.

This Stormont deposit is between 4-20 m. thick, 20-30 m. wide and 200+ m. long. It appears to lie in the synclinal keel zone of a gently south-east folded skarn unit which is terminated to the east by a thrust fault, to the north and west by outcrop and possibly open to the south beneath basalt cover.

The drilling program has resulted in a re-interpretation of the geology in the vicinity of the Stormont Mine, resulting in the following conclusions:

- (a) Geological environments similar to that hosting the Stormont mineralisation occur to the immediate east and west of Stormont and are untested by drilling.
- (b) Similar environments may exist north of the Stormont deposit on the north side of the Lea River, and further east in the Fletchers Adit area both north and south of the Lea River.
- (c) The mineralised skarn and controlling structures extend south from Stormont beneath thin Tertiary basalt cover.

Exploration strategy should be directed firstly to locating a number of adjacent deposits similar to Stormont which collectively would constitute an attractive mining proposition, and secondly to testing south-east extensions of the Stormont deposit.

The conclusions above suggest scope exists for this strategy to succeed, and consequently the following work is recommended in 1996-97

- (i) Drill test the skarn synclines to the immediate east and west of Stormont. Sixteen (16) holes totalling 640 m. are recommended.

- (ii) Drill test south-east extensions of the Stormont deposit. Three (3) holes totalling 160 m. are recommended.
- (iii) Map and sample similar targets north of the Lea River, incorporating input from the recent aeromagnetic survey.
- (iv) Re-interpret previous work in the Fletchers Adit area, including some field mapping and sampling, again incorporating input from the aeromagnetic survey.
- (v) Evaluate other prospective opportunities on the E.L. highlighted by the aeromagnetic survey.

The above recommended work is estimated to cost \$113,000 over a ten week period.

The geological environment and deposit modelling on E.L. 20/92 clearly illustrates substantial potential to locate gold-base metal deposits formed by vast quantities of hydrothermal fluids leaching older metal bearing bedrocks, and concentrating these metals in favourable shallow stratabound settings. The recent drilling program confirms the high prospectivity of the Licence area.

It is therefore important to note that on 11 September 97, it is a statutory requirement that E.L. 20/92 be reduced in area by 50% from 24 to 12 square kilometres. An intensive exploration effort will be required prior to that date so that relinquishment decisions are well founded.

2. INTRODUCTION

Exploration Licence 20/92 covers a 24 sq kilometre area near Moina, 50 kms south of Devonport. (Fig 1)

It is explored under a Joint Venture agreement between Goldstream Mining N.L. and Titan Resources N.L.

Geographically, the area is 500-700 m. ASL, with a high winter rainfall. It is moderately rugged with heavily forested steep hills and valleys. A small grazing community exists around Lake Gardiner. Principal access is by the Cradle Mountain highway and a network of variable quality side roads and tracks. (Fig 2)

Land classification is a mixture of private and lease hold land, multiple use forest and deferred use forest.

Geologically, the area is underlain by Cambrian volcanics and sediments, a sequence of Ordovician shallow marine shelf sediments grading from conglomerates at the base through sandstone and limestones, and an extensive cover of Tertiary basalts, and Tertiary and Quaternary secondary sediments (Fig 3).

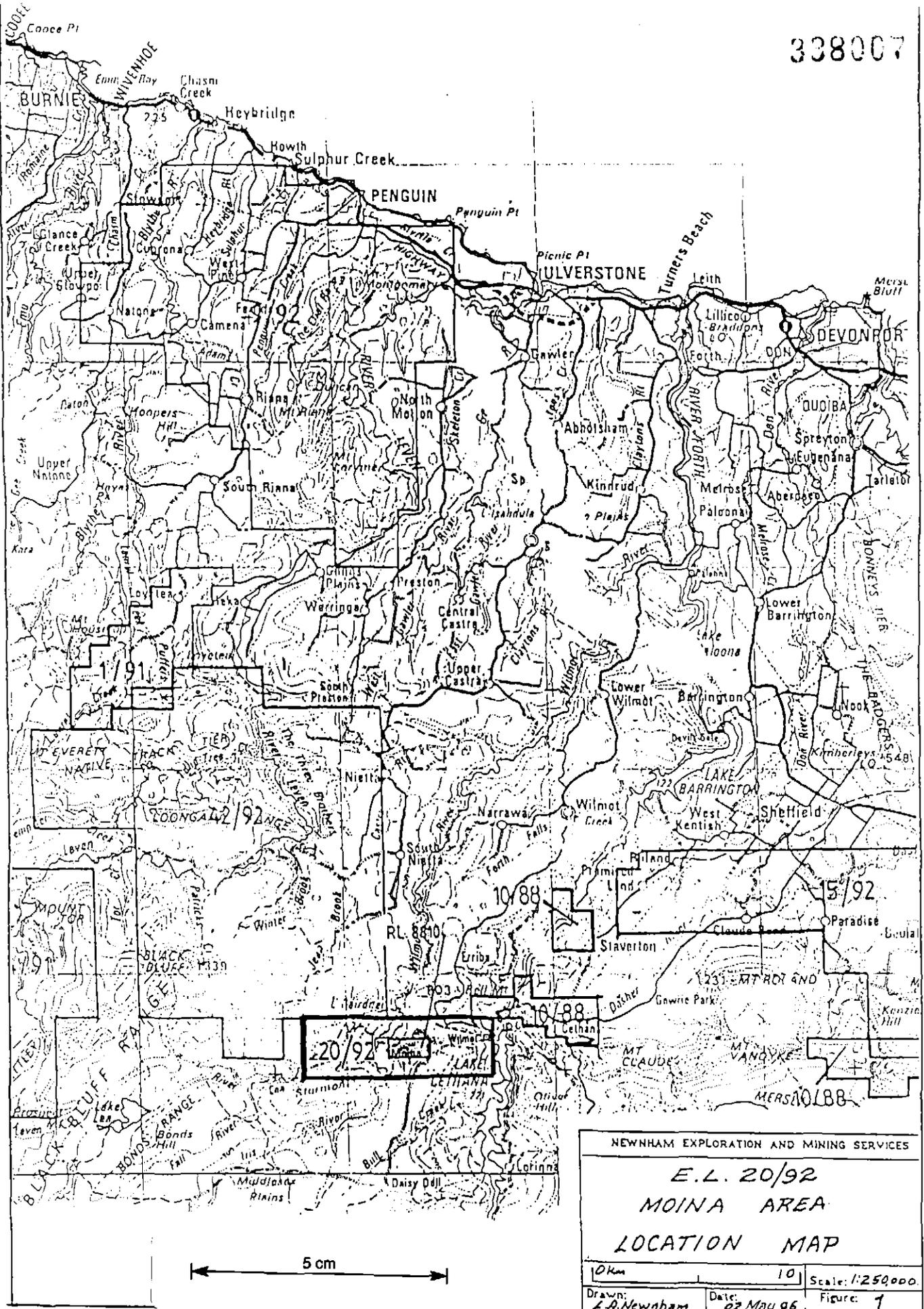
These sediments have been gently folded, principally along regional east-west axes and locally along north-west axes, and extensively faulted by generally north-west trending normal and thrust faults.

In the late Devonian-early Carboniferous, the region was intruded by the Devonian Granite which outcrops in the eastern section of the Licence, and has a narrow high level spine or ridge extending west under the Licence area. This spine is typically < 1000 m. below surface and plunges gently west from its eastern outcrop.

Large volumes of fluorine rich hydrothermal fluids emanated from the granite and in particular the ridge, resulting in a pronounced alteration halo around the granite outcrop.

The fluids ascended through substantial thicknesses of Mt Read Volcanics, leaching available base and precious metals, rising along fracture zones to deposit their mineral bearing fluids in favourable stratigraphic and structural repositories, typically within the Ordovician formations.

Most workers in the area now believe mineralisation is strongly zoned in a three-dimensional sense around the granite and its western spine. Vein deposits of Sn-W-Mo formed closest to the granite, grading out to Sn-W-Bi-Ag-Au skarn and vein deposits, and into Au-Zn-Bi deposits most distal to the granite.



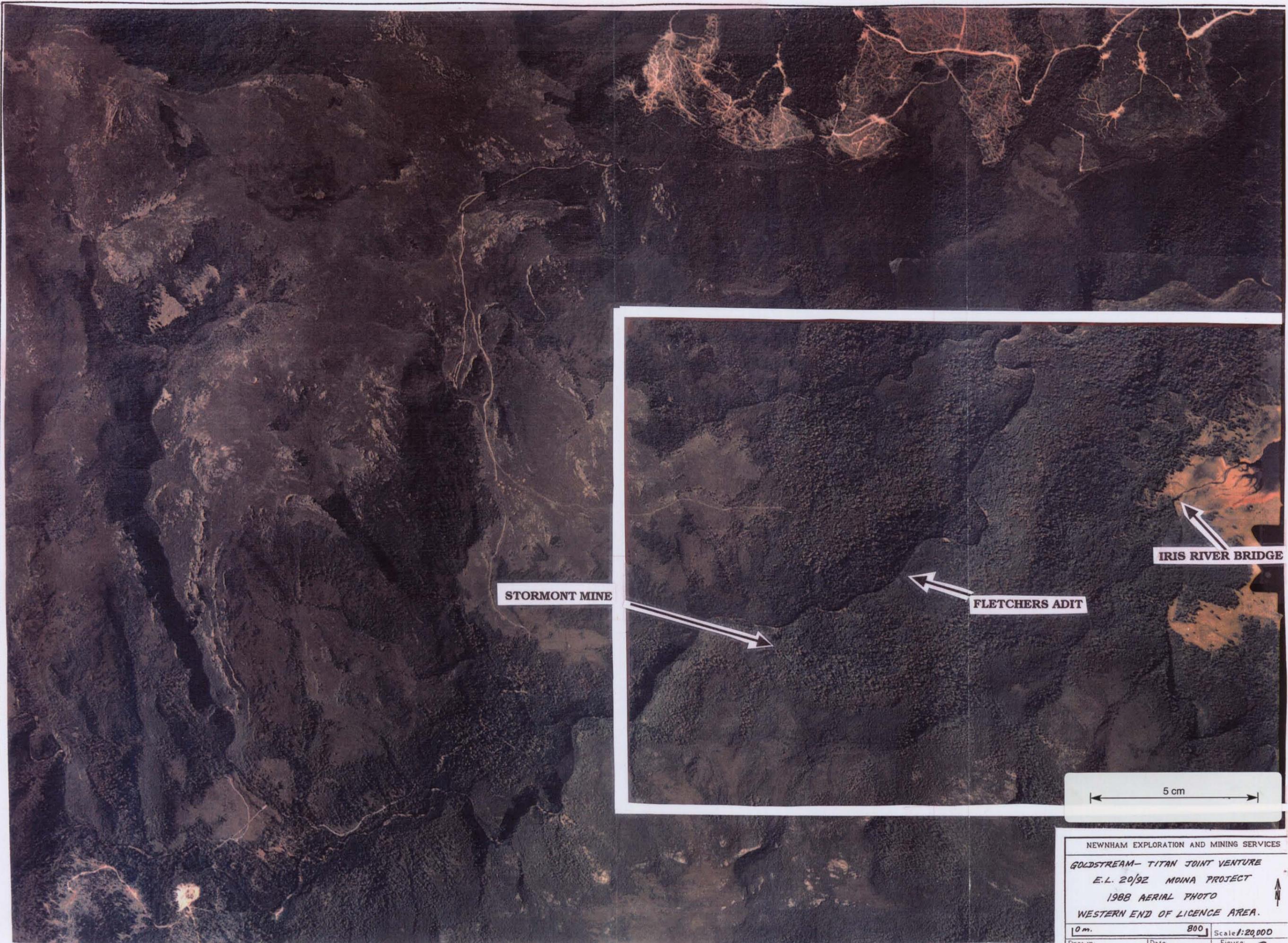
NEWHAM EXPLORATION AND MINING SERVICES

E.L. 20/92
MOINA AREA
LOCATION MAP

0km	10	Scale: 1:250,000
Drawn: E.A. Newham	Date: 02 May 96	Figure: 1

Stormont Mine Drilling Program

338008



STORMONT MINE

FLETCHERS ADIT

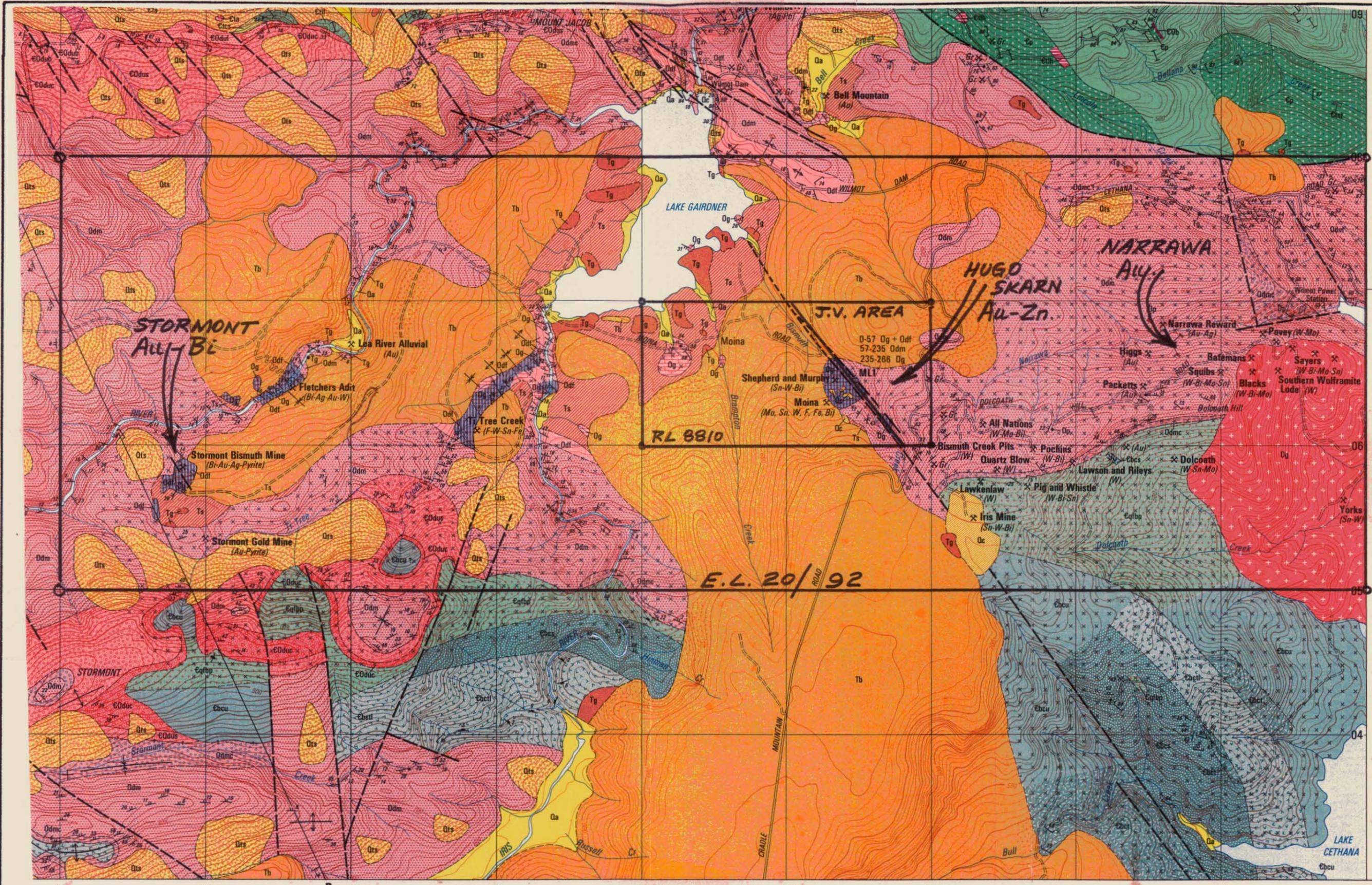
IRIS RIVER BRIDGE

5 cm

NEWNHAM EXPLORATION AND MINING SERVICES
 GOLDSTREAM-TITAN JOINT VENTURE
 E.L. 20/92 MOINA PROJECT
 1988 AERIAL PHOTO
 WESTERN END OF LICENCE AREA.

0 m. 800 Scale 1:20,000
 Drawn: Date 24 Apr 96 Figure: 2

333009

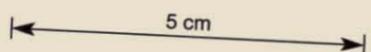


 Hugo Fault projected outerop
 Hugo Skarn Au-Zn mineralisation
 Possible skarn extensions beneath Basalt.

Tb Tertiary Basalt
 Tg, Ts Tertiary sediments and gravels
 Og Gordon Limestone
 (Vertical stripes = skarn)
 Odm Moina Sandstone
 Odmc Roland Conglomerate
 Evx Various Cambrian Volcs + Seds

Dg Dalcoath Granite
 x x Contact alteration zone around Dg.

Map is a photocopied section of the
 State 1:25000 Wintarbrook-Moina Geol. Map.
 (MRVP Map 9).



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MOINA AREA
REGIONAL GEOLOGY

0 Km. 0.5 km 1 Scale: 1:25
 Drawn: LAN Date: APR 96 Figure: 3

The area contains numerous former mines and mineral deposit locations (Fig 3). One of these mines, Stormont Mine, was the target for the recent drilling program.

The Stormont mine was developed in a skarned body lying near the base of the Gordon Limestone, at one of the more distal locations in the metasomatic Dalcoath Granite halo.

Early this century, alluvial gold was worked in the Lea River, upstream of the present Lake Gardiner. In the 1920s, bismuthinite was discovered in these workings and traced upstream to Stormont.

Between 1928-34, a small open-cut and underground mine developed at Stormont for the recovery of bismuth, produced 6.3 tonnes of bismuth concentrate with a grade of 51-67% Bi, 164-1234 g/t Au and 214-360 g/t Ag.

During the 1960s-1980s, the Stormont area was mapped, geochemically sampled, and subjected to various geophysical surveys. These surveys highlighted the gold potential of the Stormont area.

In 1987, the Stormont Open-Cut and adit were channel sampled in detail by RCG.

Sixteen (16) skarn samples in the open cut averaged 4.8 g/t Au, 7.6 g/t Ag, 0.56 % Bi.

Thirty-seven (37) skarn samples from the adit averaged 9.5 g/t Au, 4.4 g/t Ag, 0.47 % Bi.

Seven (7) samples taken from a sheared section of skarn in the adit averaged 28 g/t Au.

In 1988, RGC completed six (6) cored drill holes into the Stormont Skarn, with the following significant results:

SD 1:	13 v.m.	4.12 g/t Au	0.46 % Bi
SD 3:	2.1 v.m.	12.7 g/t Au	0.35 % Bi

In 1988, RGC drilled a further fifteen (15) cored holes. Their target was a major, low grade, open-cuttable Au-Bi deposit. Significant results were:

SD 8:	1.3 m.	2.99 Au
SD10:	5.4 m.	2.5 Au,

SD 20, drilled in the skarn body immediately west of Stormont, intersected 6.0 m. 0.44 Au.

In 1990, A C Taylor completed a B Sc (Hons) thesis on the district:

"Gold Bearing Skarns from the Moina Area, Northwest
Tasmania"

One of the principal objectives of Taylor's thesis was to determine if Stormont was a genuine "gold skarn" rather than a more common skarn with a minor, erratic gold content, by comparing it with better-known productive North American gold skarns.

He concluded:

"Stormont is a gold skarn, having a high pyroxene/garnet ratio, a deficiency of base metal sulphides, abundant retrograde alteration, late stage reduced mineralising fluids, statistically significant positive Au/Bi, Au/Pb and Bi/Pb metal correlation coefficients, a statistically insignificant positive Au/Cu metal correlation coefficient, locally high Au and Bi grades, very high Au (ppm)/Cu (%) ratios, and common bismuthinite and native bismuth.

The compositions of major calc-silicate phases support Stormont's status as a gold skarn."

In 1992, Goldstream Mining N.L., in joint venture with Titan Resources N.L., acquired E.L. 20/92 for the purposes of exploration for gold with base metal sulfides occurring both as stratabound deposits in Ordovician sedimentary sequences and associated with structural zones cutting those sediments.

To date work has concentrated on drill testing of the Au-Zn-Sn-W Hugo skarn near the Shepherd & Murphy Mine, proximal to the Dalcoath Granite.

The drilling program subject of this report is the first work by the joint venture partners aimed at evaluating the Au potential of the more distal skarn deposits and their associated structures.

3. 1995-96 DRILLING PROGRAM

As a follow-up to previous Au bearing skarn drill intersections at Stormont, a program of thirteen (13) cored holes totalling 741 m. was completed between November 95-February 96.

Drilling was undertaken by Diamond Drilling Tasmania Pty Limited using a crawler mounted Scout 250, supported by a crawler mounted rod carrier.

All coring was HQ, with maximum emphasis on core recovery in the shallow weathered skarn zones. Core is currently stored in the writer's shed in East Devonport.

Zones for assay were split either by core saw or by hand if severely broken and soft.

Assaying was undertaken by Amdel in Adelaide. Samples were totally fine pulverised prior to subsampling. Au assaying was by fire assay on 50 g. subsamples.

Because of the geological complexity of the Stormont area and the dense nature of the bush, it was decided to survey all drill sites in the current program by licenced surveyor. This work was undertaken by Campbell Smith, Phelps, Pedley Pty Ltd. Two base stations were established using two GPS receivers, reading four satellites continuously over a 10-minute interval. All drill holes, tracks and the open cut outline were surveyed relative to those two base stations. Thus there may be minor GPS errors in the three co-ordinates of each base station but the relative positions of all ground surveyed points is very accurate.

In addition to current program drill sites, several sites from the RGC drill programs were also located and surveyed.

Drill logs appear as Appendix A and Amdel assay sheets as Appendix B.

Drilling data and interpretation is presented on the attached Map 1 (1:500), Map 2 (1:1000) and Map 3 (1:5000) of Stormont-Fletcher's Adit area.

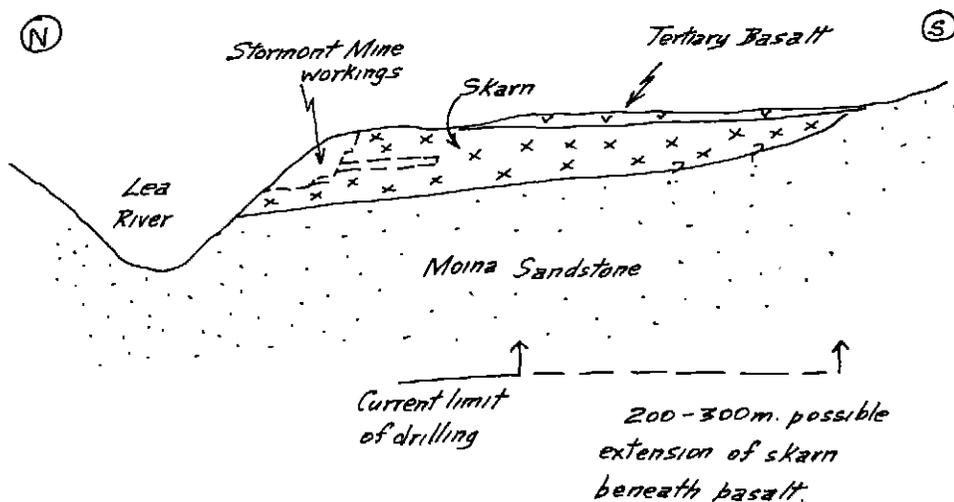
4. INTERPRETATION OF RESULTS

4.1 Geological Interpretation: (Map 1)

Drilling data and outcrop mapping suggest the skarn hosting the Stormont Mine is at least 35 m. thick and occurs in a north-west folded synclinal structure, which plunges gently north-west.

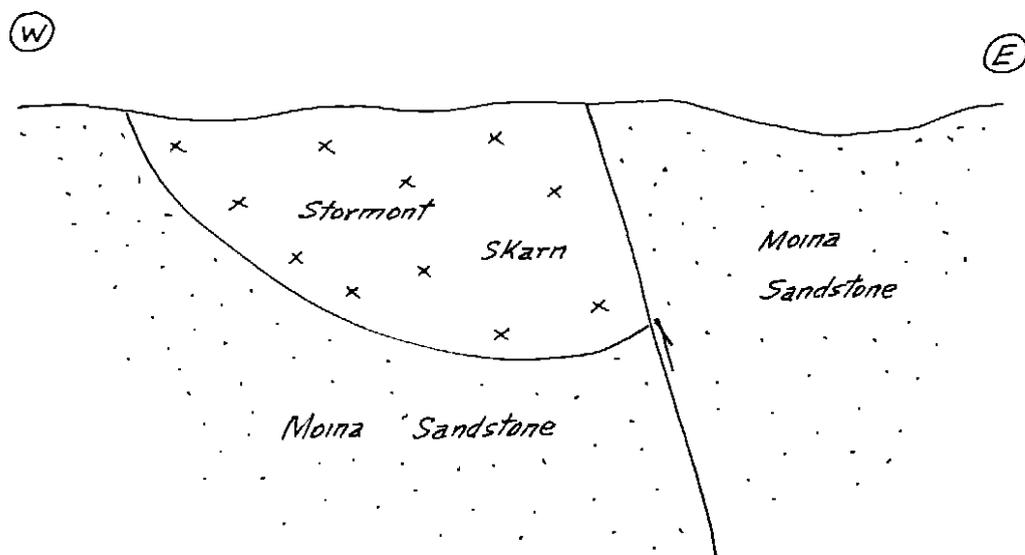
Because of steep topography in the Lea River valley, this syncline is terminated by outcrop to the immediate north of the Stormont Open Cut.

To the south it continues beneath a thin cover of Tertiary basalt. However, outcropping Moina Sandstone to the south suggests the syncline must be terminated beneath this basalt cover approximately 200-300 m. south of the current drilling pattern.



N-S Schematic sketch section along skarn synclinal axis.

To the west, the syncline is truncated by outcrop, and to the east it is terminated by a thrust fault, (Stormont Thrust) interpreted as being approximately parallel to the syncline axis.



E-W. Schematic section across the Stormont skarn syncline

The skarn is essentially a pyroxene-garnet skarn with variable amounts of magnetite, gold and base metal mineralisation concentrated principally in the keel zone of the synclinal structure.

A detailed description of the skarn mineralogy is contained in the Thesis by Taylor (see above).

This interpretation of the Stormont Skarn differs from previous interpretations in two principal respects:

- (a) Recognition of a thrust fault terminating the skarn to the east and pushing Moina Sandstone over the top of the skarn.
- (b) The Stormont Fault, previously interpreted as a normal fault trending along the synclinal axis of the Stormont Skarn, does not exist. There is probably extensive tensional fracturing and brecciation along the stressed synclinal axis but there is little evidence of a major normal fault.

4.2 Resource Potential:

Where the Stormont Skarn syncline outcropped in the Lea River valley, it was mined in the 1920s-30s for bismuth.

The mineralised skarn was mined to the south initially as an open-cut and later by an adit, cross-cuts and a winze.

A bismuth concentrate, containing significant gold, was produced in a small gravity mill just below the open-cut.

The workings were channel sampled in detail by RGC in 1987 (Map 4). the results can be summarised as follows:

- (a) 16 samples on the south wall of the open cut averaged 4.8 g/t Au, 7.6 g/t Ag, 0.56 % Bi. These samples were in the skarn zone, commencing immediately above the underlying quartzites. Au values in the F.W. quartzites were all < 0.1 g/t.
- (b) 37 samples in skarn in the adit averaged 9.5 g/t Au, 4.4 g/t Ag, 0.47% Bi. Grade cut-offs in the F.W. quartzites in the No.1 and No.2 cross-cuts were very sharp.
- (c) 7 samples taken across a fractured zone in the keel of the syncline (previously interpreted as the Stormont Fault) averaged 28 g/t Au.

In 1988, RGC drilled six (6) cored holes in the area. Three of these tested the Stormont Skarn. The other three tested skarn bodies further to the east and west.

Stormont Skarn results were:

SD 1: 4.5 - 17.5 m., 13.0 vertical metres
4.12 g/t Au, 0.46 Bi. This hole was drilled immediately adjacent to the southern end of the adit.

The top 4.5 m. of the hole was not cored. Recent adjacent drilling suggests mineralisation in this area extends to surface.

Hence the mineralised zone **may** in fact be 17.5 m. thick.

GEOLOGY

Factual geology RGC 1987
Interpretative geology L.A.N.

Pale green calcareous quartzite
Magnetite-calc silicate
Oxidised calc-silicate

Maina Sandstone?

Garnet-actinolite skarn
OPEN

Banded calc-silicate minor magnetite

Actinolite skarn bismuthite rich

Maina Sandstone

Footwall Calc-silicates

Garnet Skarn

Banded magnetite calc-silicate

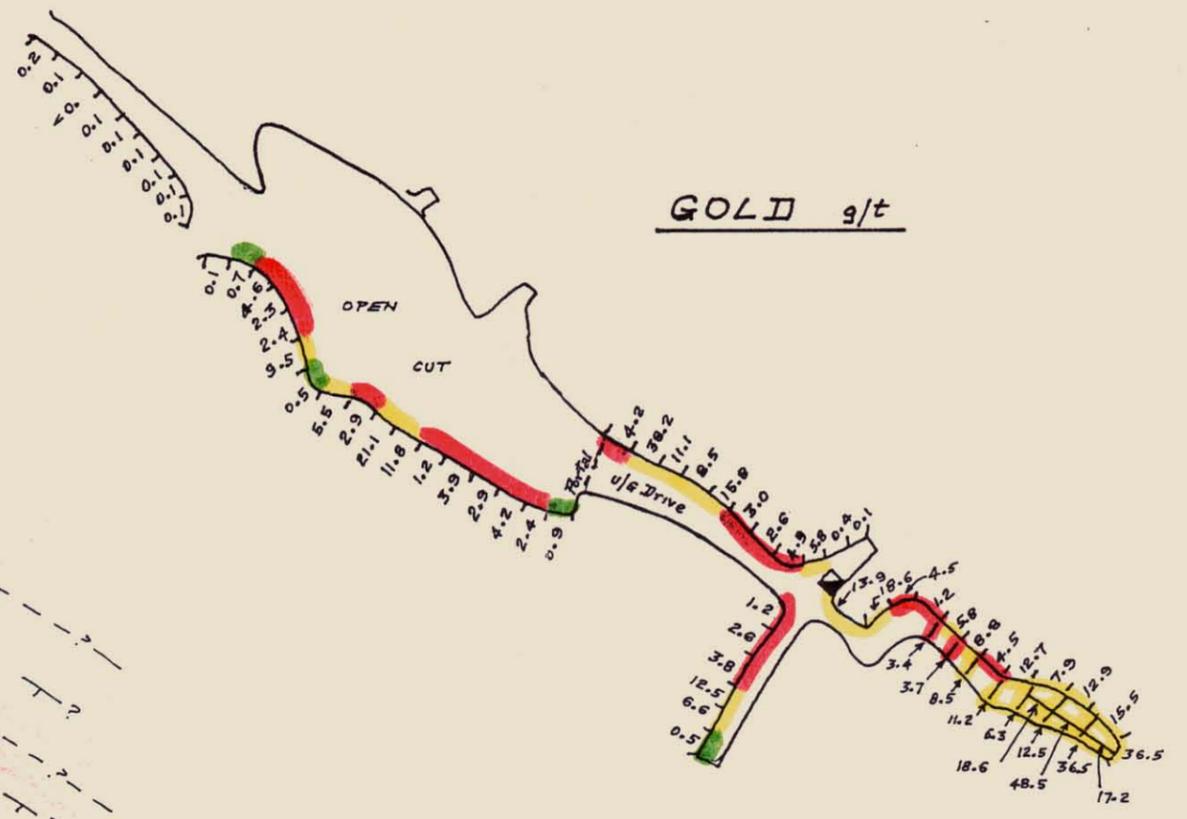
No. 1 Cross Cut calc-silicate hornfels

F.W. Calc-silicates

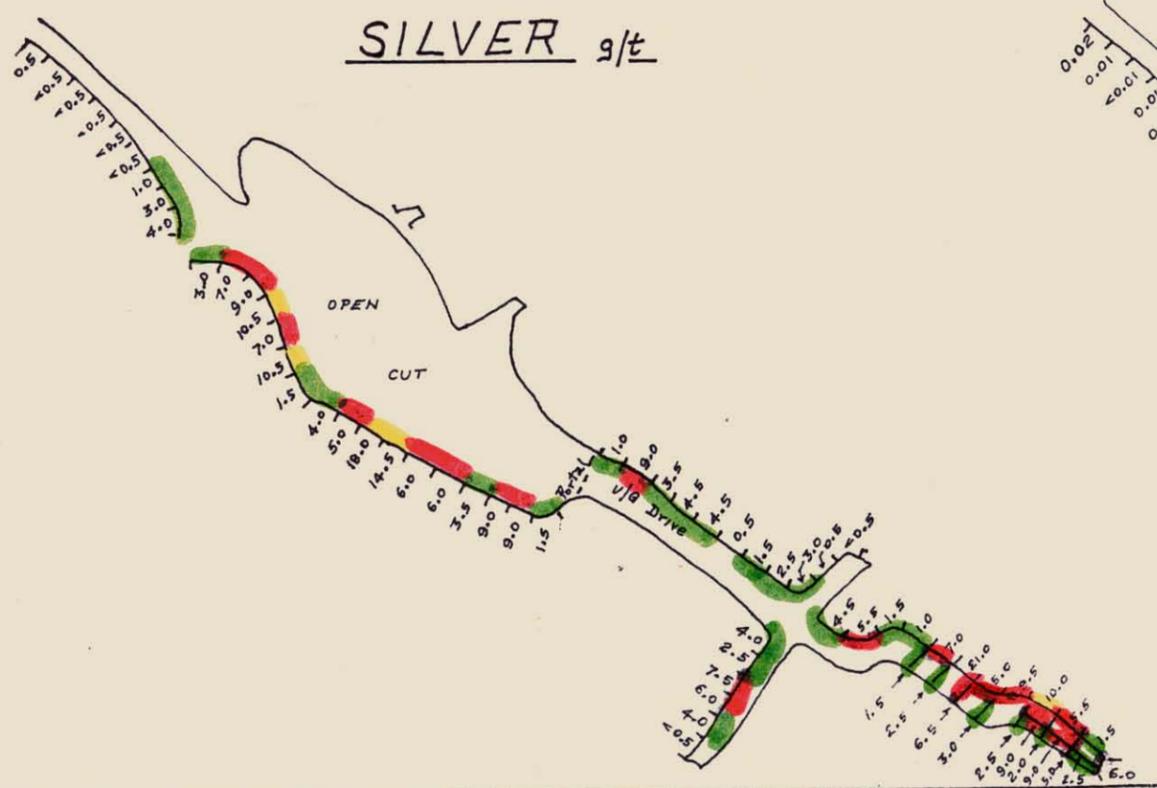
Garnet-actinolite skarn, visible bismuthite
Variable alteration (actinolite, epidote, chlorite) especially along shears.

Garnet Skarn

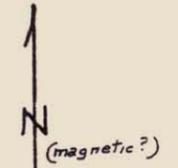
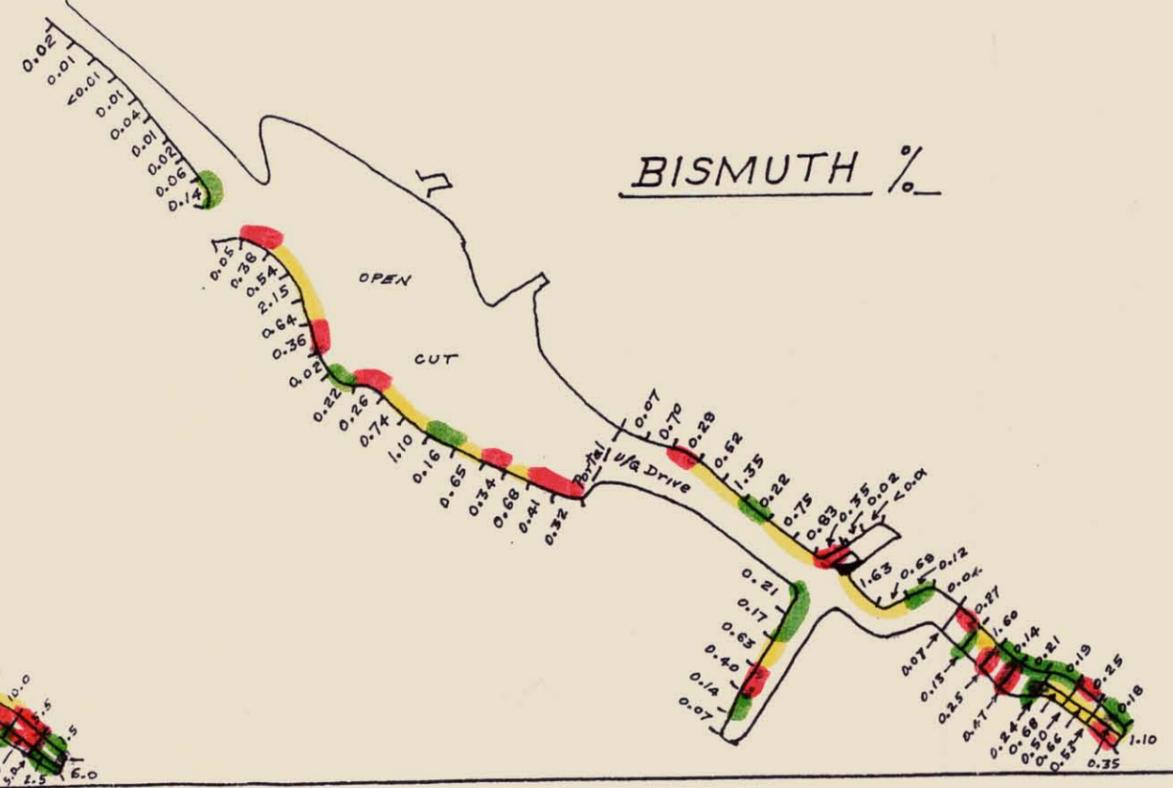
GOLD g/t



SILVER g/t



BISMUTH %



5 cm

The Stormont Bismuth Mine workings were sampled by RGC in 1986. Channels were dug with a pneumatic chisel and sampled over 2m. intervals.

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E.L. /92
STORMONT BISMUTH MINE
CHANNEL SAMPLE RESULTS
AND GEOLOGY

0m 10 20 Scale: 1:500
Drawn: L.A. Newham Date: Apr. 96 Figure: MAP 4

SD 3: 16.9 - 19.0 m., 2.1 v.m. 12.8 g/t Au, 0.35 Bi. This hole was drilled 80 m. south-east of SD1. It was not re-located for survey purposes. The top 11.0 m. were triconed and no core thus recovered. This is unfortunate. Core recoveries between 11.0 - 13.9 m. were only 10%. Hole SD 36 (see below) collared 40 m. to the north-west of SD 2, was mineralised from the surface, so this absence of core in the top 14 m. of SD 2 is unfortunate.

SD 5: Drilled 90 m. south-east of SD2 intersected a broad skarn zone but the best assay was: 35.0 - 36.0 m., 1 v.m. 0.24 Au.

This hole is interpreted as lying just to the west of the main mineralised zone.

In 1989-90, RGC drilled a further fifteen (15) holes in the general Stormont region. Four of these are interpreted as having tested the south-east extension of the Stormont Skarn with the following results (Maps 1, 2):

SD 8: 27.0 - 34.4 m., 7.4 v.m., 0.67 Au, including 1.3 m. 2.99 g/t Au.

This hole is interpreted as lying on the margin of a possible southern extension of the resource zone.

SD 9: Lying 30 m. west of SD 8 intersected a thick skarn zone but all assays < 0.1 g/t. Interpreted as lying west of the resource zone.

SD 7: Lying 20 m. east of SD 8 intersected a thick zone but all assays < 0.1 g/t Au. Interpreted as lying close to western margin of resource zone.

SD 10: 25 m. east of SD 7, 8.6-23.0 m. 14.4 v.m. 0.95 Au, including 4.4 m. 2.9 Au. Interpreted as lying within a possible south-east extension of the resource zone.

In the recently completed thirteen (13) hole program, three holes were interpreted as intersecting the main mineralisation zone. The other 10 assisted with local geological interpretation and the definition of the limits of mineralised skarn. Results of the three mineralised zone holes are:

SD 33: 24.5 - 35.0 m., 10.5 v.m. 1.4 g/t Au,
including 1.5 m. 9.0 g/t Au.

Interpreted as intersecting the southern end
of the mineralised zone, 50 m. SE of SD3.

SD 36: 0 - 27.3 m., 27.3 v.m. 1.4 Au, including
9.5 m. 2.7 Au.

Drilled midway between SD 1 and SD 3.

SD 39: 0 - 19.6 m., 19.6 m. (-70 ° angle hole)
2.95 Au, including 4.0 m. 9.7 Au, 0.35 Bi.
Drilled immediately west of SD 1, close to
western margin of resource zone.

These three drilling programs have defined a Au anomalous
mineralised body approximately 200 m. long, 20-30 m. wide
and varying in thickness from 20 m. in the north, to approx-
imately 4 m. in the south.

The deposit occurs along the synclinal axis of the skarn zone,
adjacent to (but not truncated by) a thrust fault.

A portion of the mineralised zone has been mined on its
northern end.

The deposit is classified as **pre-resource mineralisation** for
the following reasons:

- (i) only five drill intersections
- (ii) limited information on boundaries and
geological controls
- (iii) no quantitative data on S.G. or metallurgy

Whilst more data is required to elevate this deposit to the
resource category, it is clear that a deposit of pre-resource
mineralisation has been identified, and an approximate grade
and tonnage can be estimated as follows:

- A central section extending 90 m. south-east of the
open-cut, embracing the intersections in SD 1, SD 36,
SD 39, and the underground sampling:

SD 1 :	13.0 v.m.	4.12 Au
SD 36:	9.5 v.m.	2.7
SD 39:	18.4 v.m.	2.95 Au
	underground samples:	9.5 g/t

Assuming an average width of 30 m., a thickness of 13 m. and an SG 2.5, this section would contain 88,000 tonnes. The weighted average of the drill holes is 3.2 g/t Au.

- A northern section extending around the western side of the open-cut and beneath the open-cut. This section is about 30 m. along strike, 30 m. wide, and may average about 4 m. thick (0-20 m.). Using a 2.5 SG, this section may contain 9,000 tonnes. Channel sampling in the open-cut averaged 4.8 g/t Au.
- A southern section extending 80 m. south east of the central section embracing intersections in SD 3, SD 33 and influenced by SD 8, SD 10, further to the south.

SD 3:	2.1 m.	12.8 Au
SD 33:	10.5 m.	1.4 Au (1.5 m. 9.0 Au)
SD 8:	7.4 m.	0.67 Au (1.3 m. 2.99 Au)
SD 10:	14.5 m.	0.95 Au (4.4 m. 2.9 Au)

Assuming a width of 15 m., thickness 4 m., and an SG 2.5, this section would contain 12,000 tonnes. This may be conservative because of poor recoveries above the indicated interval in SD 3. The average grade could be anywhere between say 2-5 g/t Au.

Combined, these three sections indicate a mineralised body of approximately 100,000 - 150,000 tonnes with an average grade in the range 2-4 g/t Au.

This estimate is arguably conservative because of the low SG used, and the interpretation placed on several drill holes.

4.3 E.L. 20/92 District

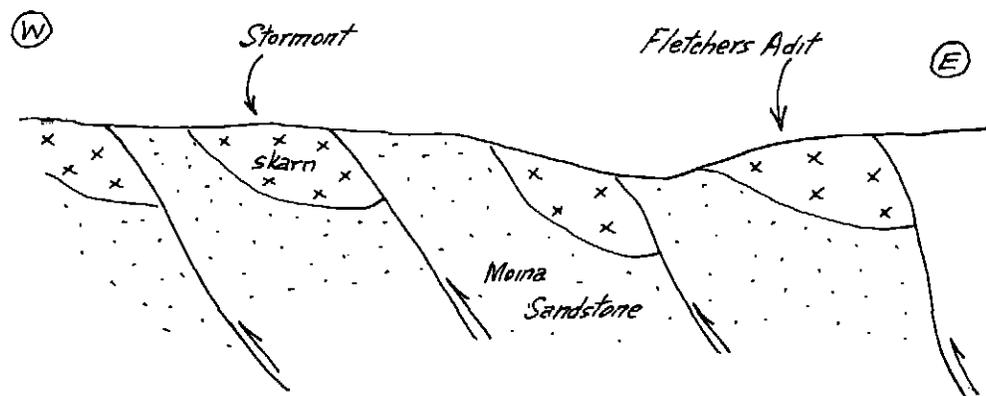
The 1995-96 drilling program has greatly assisted in firstly conceptualising the dimensions of skarn hosted gold deposits in the district and secondly provided an alternative geological interpretation on the known skarn bodies in the district.

The Stormont deposit is a near-horizontal "cigar" shaped

Such deposits require great care in designing drilling programs because it is very easy to miss them. For example, potential exists in the skarn zones immediately east and west of Stormont for similar bodies to be developed. Previous wide spaced drilling patterns in these zones would have missed Stormont shaped deposits.

The concept of a bounding thrust structure on the east flank of the Stormont skarn is important and can be extended to other skarn zones in the general Stormont-Fletcher's Adit area.

The outcome of doing this is shown on Map 3 and is sketched below:



E-W Schematic section through Stormont-Fletcher's Adit area, illustrating proposed stacked thrust structural Model.

The stacking of sediments as a result of multiple thrusting is in fact quite common in this northern section of the Dundas Trough (see 1:25,000 Winterbrook-Moina map sheet).

The interpretation of multiple thrusting to the Stormont-Fletcher's area greatly assists in explaining some of the outcrop patterns which were previously inadequately explained by a series of NW trending fold areas.

The skarn interpretation shown on Map 3 highlights the potential to discover additional gold bearing skarn deposits in the district.

Opportunity for extension of the Stormont mineralisation appears limited to the south-east. Limits of the deposit to the north, west and east have been broadly established by drilling. To the south east, the skarn syncline continues beneath a thin cover of Tertiary basalt. However, the syncline is plunging gently to the north and must be terminated by sub-crop beneath basalt prior to Moina Sandstone outcrop approximately 300 m. south-east of existing drilling.

Therefore, there is scope to the south-east of SD 10 for the mineralised body to extend a further 300 m.

5. RECOMMENDATIONS:

Drilling and mine sampling has located an open-cuttable pre-resource mineralised deposit at Stormont estimated to contain 100-150,000 tonnes 2-4 g/t Au.

Such a deposit alone may be too small to justify development by the current tenement holders. Therefore, it seems logical that the next stage of exploration should be directed towards locating additional mineralisation, either as extensions of the Stormont deposit, or in adjacent geologically similar environments.

This exploration strategy can be pursued in three ways in the coming year:

1. **Drill test** extensions of the Stormont deposit and adjacent skarn formations
2. **Map and sample** known skarn bodies in the Stormont-Fletcher's Adit area
3. Follow up **aeromagnetic anomalies**.

5.1 Drilling Programs:

The Stormont deposit is limited by drilling and outcrop in all directions except to the south-east beneath a thin cover of Tertiary basalt.

Any extension in this direction will be limited to a maximum strike extent of approximately 300 m. (see Map 3) due to outcrops of Moina Sandstone. Hole SD 30 and the projected south-east extension of the Stormont thrust suggest the extension could possibly have similar dimensions to the known deposit, i.e., 100,000-150,000 tonnes.

The only grade information in this extension zone is SD 10, which intersected 14.4 m. 0.95 Au, including 4.4 m. 2.9 Au.

Initially, a fence of 3 cored drill holes, each 50 m. long (total 150 m.), and 15 m. apart, drilled 50 m. south-east of SD 10 is recommended (see Map 1).

To the immediate NE and SW of the Stormont deposit are two skarn bodies geologically very similar to Stormont. Both bodies are postulated to be terminated to the NE by thrust

structures, to the north and west by outcrop, and open (but concealed) to the south-east by Tertiary basalt.

The body to the north-east contains several old workings but no drilling, whilst the south-west body contains only minor workings and two drill holes. If the south-west body has a similar shape to Stormont, then these two holes may not have intersected the deposit if present. Hole SD 20 did however intersect 6 m. 0.44 Au.

By analogy to Stormont, these satellite skarn bodies may be each about the size of Stormont, or modestly larger.

It is recommended that each of the north-east and south-west synclines be tested by a pattern of eight (8) cored holes, each approximately 40 m. long, totalling 640 m. These holes are illustrated on Map 2.

5.2 Mapping and Sampling Programs:

To the north and north east of the Stormont area, mainly on the north side of the Lea river, are a number of additional skarn bodies postulated to have similar geology to Stormont and of similar size. Two of these are untested by drilling.

The larger skarn body at Fletcher's Adit straddles the Lea River and was drilled on wide spacings by RGC in the late 1980s. The northern and southern extensions of this skarn are concealed beneath Tertiary basalt. The southern extension may be substantial especially if it extends beneath the basalt as far as the Ti-Tree Creek skarn (Map. 3).

Taylor, in his thesis mentioned above, considered the skarns at Fletcher's Adit and Ti-Tree Creek to be not as favourable as Stormont for the deposition of gold.

That is a hypothesis supported by scientific data and analogy. Prior to accepting the hypothesis, it is recommended that available data be re-assessed and sampling and mapping of the skarns be undertaken - this could be done in conjunction with the recommended drilling at Stormont.

5.3 Aeromagnetic Survey Follow-up:

A detailed helimagnetic survey of E.L. 20/92 was completed in May, 96.

At the time of writing this report, results were not available.

Following interpretation of the results, appropriate ground follow up work should be completed so that soundly based area reduction decision can be made prior to end July 97.

6. BUDGET

The following budget for 96-97 excludes the cost of the helimag survey and subsequent data processing.

	\$
Drilling 790 m. HQ core at \$80/m.	63,000
Mob-demob drill rig (\$1,500 each way)	3,000
Track development into 16 drill sites, 5 days at \$800/day	4,000
Drilling consumables such as trays sample bags, blocks, saw hire etc., \$6/m.	5,000
Assaying 400 samples at \$20/sample	8,000
Management 12 weeks, including mapping, sampling, field follow-up, logging, splitting, reporting, etc.	24,000
Field assistant 12 days at \$180/day	2,000
Vehicle hire 5,000 km over 8-week period at \$0.35/km	2,000
Accommodation 2 nights/wk, 6 weeks, for 2 people at \$150/night	<u>2,000</u>
<u>Total</u>	<u>\$ 113,000</u>

This work could commence at any time, depending on availability of a suitable drill rig.

APPENDIX A
Drill Logs SD 30 - SD 42

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 30

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine.

Comments on Completion
.A 30m. thick skarn zone was intersected beneath thin basalt cover. Clays beneath the basalt are interpreted as weathered limestone/skarn. Only minor gold(1.0m 0.34 Au) and low level zinc were intersected. Hole shows that the skarn zone extends well south of the Stormont open cut.

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405722.2	419056.0	674.5	-90	-

Length (m)
70.9

Hole Size	
To (m)	Size
70.9	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	32.6	see log

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays					
From	To	%		Length	Au	Au d1	Zn	Bl	Mo
27.0	28.0	95	weathered skarn	1.0	0.34	0.45	360	60	<3
56.5	57.5	100	calc-silicate and skarn	1.0	0.16	0.17	97	5	<3

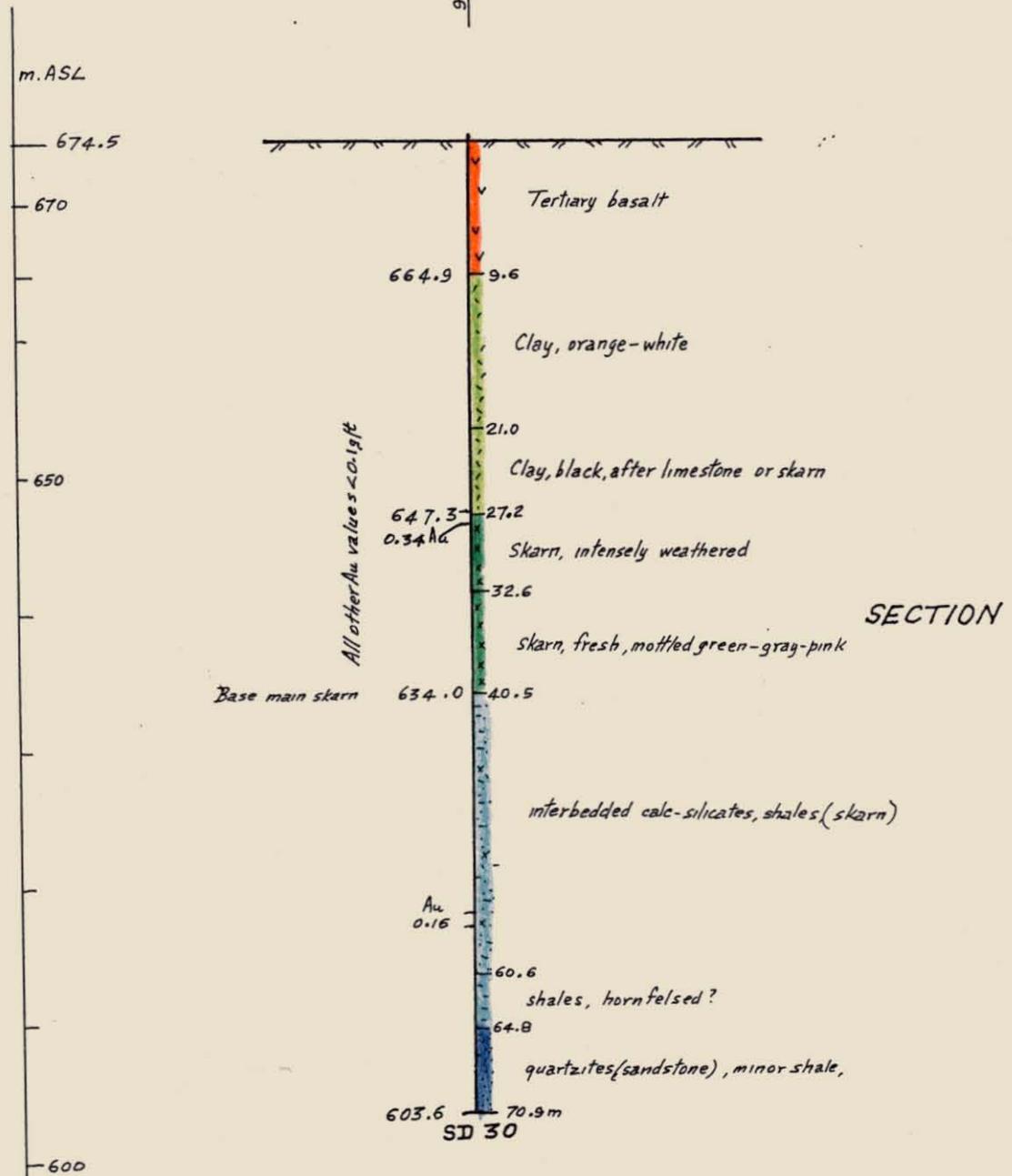
338027

SD 30
Collar 674.5

9,056 E

5,722.2 N

PLAN



SECTION

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92 - STORMONT AREA		
DDH SD 30		
0m.	20m	Scale: 1:500
Drawn: L.A. Newham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays									
From	To		From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo	
0.0	9.6	TERTIARY BASALT: tertiary basalt, very broken and weathered; fresh sections are dark gray with light spots;	0.0	2.1	24												
			2.1	3.6	90												
			3.6	5.1	67												
9.6	21.0	CLAY: orange-white clay; some quartzite fragments embedded in clay at 21m; rellict bedding suggests this unit may be weathered limestone rather than weathered basalt; generally good recoveries; (* driller 1 m. out in measurements)	5.1	6.6	55												
			6.6	7.2	85												
			7.2	9.6	85				9.6	11.1	<0.01			64	5	<3	
			9.6	11.1	60				11.1	12.6	0.04			48	5	<3	
			11.1	12.6	55												
			12.6	13.1	0				13.1	15.6	<0.01			37	5	<3	
			13.1	15.6	100				15.6	17.1	<0.01			43	5	<3	
			15.6	17.1	55				17.1	18.6	0.05			110	5	<3	
			17.1	20.1	100				18.6	20.1	<0.01			145	5	<3	
			20.1	21.6	60				20.1	21.6	<0.01			400	5	<3	
21.0	27.2	BLACK CLAY (?after skarn?): black and dark gray pyritic clays; rellict bedding in top section of unit suggests may be formed from either limestone or skarn; crenulated and colliform texture near base of unit suggests derived from skarn seen fresh below; pervasive 1-2% pyrite, typically coarse grained and euhedral; ocassionally as clusters and nodules; very sharp contact with unit below;	21.6	23.1	90				21.6	23.1	<0.01			780	5	<3	
			23.1	27.2	100				23.1	24.7	<0.01			2500	10	<3	
									24.7	26.0	<0.01			720	5	<3	
									26.0	27.0	<0.01			340	5	<3	
27.2	32.6	INTENSELY WEATHERED SKARN: mottled green-pink skarn with interbedded quartzite; severely weathered, probably after epidote-idocrase-garnet skarn; core soft and rubbly in places with some zones of significant core loss;	27.2	27.6	100				27.0	28.0	0.34	0.45	0.4	360	60	<3	
			27.6	29.1	75				28.0	29.0	<0.01			740	5	<3	
			29.1	30.3	42				29.0	30.0	<0.01			660	10	<3	
			30.3	31.0	45				30.0	31.0	0.04			680	5	<3	
			31.0	32.1	45				31.0	32.5	<0.01			400	5	<3	
32.6	40.5	SKARN: mottled gray-green-pink epidote-idocrase?-garnet skarn; smaller reddish-brown garnet zones common; ocassional 100-200 mm. dark gray-black diopside? zones with coarse pyrite; unit soft but fresh with good recoveries; prominent steep 5-10 mm. wide quartz-pyrite vein set 30 CA, ? small greisen veins;	32.1	32.6	80												
			32.6	40.5	100				32.5	33.5	<0.01			320	5	<3	
									33.5	34.5	<0.01			280	10	<3	
									34.5	35.5	<0.01			220	5	<3	
									35.5	36.5	<0.01			280	5	<3	
									36.5	37.5	<0.01	<0.01		220	5	<3	
									37.5	38.5	<0.01			240	15	<3	
									38.5	39.5	<0.01			260	10	<3	

338028

Description		Core Recovery			RQD			Assays									
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo		
40.5	52.2	INTERBEDDED SKARN, ALTERED SANDSTONE and minor calc-silicates: soft mottled green-pink epidote-garnet skarn zones within a dark gray altered sandstone; minor intervals laminated gray-pink calc-silicates, probably altered shales; pervasive 1-3% pyrite, especially in the darker sandstone units, where typically present as large aggregates euhedral crystals; small flecks silvery mineral throughout; core very broken 45.3-48.0m, mainly quartzite rubble; strong vein/joint set 30 CA, typically infilled with vuggy crystalline quartz and pyrite;	40.5	52.2	100				39.5	40.5	<0.01			200	5	3	
										40.5	41.5	0.04	0.03	0.04	280	5	3
										41.5	42.5	<0.01			185	5	3
										42.5	43.5	<0.01			120	5	3
										43.5	44.5	<0.01			220	5	3
										44.5	45.5	<0.01			91	5	3
										45.5	46.5	0.01	<0.01	<0.01	320	<0.01	<0.01
										46.5	47.5	0.02	<0.01		65	5	3
										47.5	48.5	<0.01			135	5	3
										48.5	49.5	<0.01			110	5	3
							49.5	50.5	<0.01			115	5	3			
							50.5	51.5	0.02			83	5	3			
							51.5	52.5	0.03			83	5	3			
52.2	60.6	ALTERED SHALE/CALC-SILICATE and minor skarn: pink-dark gray banded rock, probably metasomatised /altered shale or calc silicate, interbedded with narrow intervals of pink-green garnet-epidote skarn; 1-2% fine grained disseminated pyrite in altered shales; banding/bedding 80 CA; core generally competent with some narrow fawn-green clay zones;	52.2	60.6	100				53.5	54.5	<0.01	<0.01		44	5	3	
										56.5	57.5	0.16	0.17		97	5	3
										57.5	58.5	<0.01			83	5	4
										58.5	59.5	<0.01			280	5	3
60.6	64.8	SHALE: dark gray fine grained laminated unit, probably a hornfelsed shale; narrow calc-silicate and skarn beds; bedding 80-85 CA; abundant clay filled micro veinlets <1 mm; pervasive fine euhedral pyrite <0.5%; gradational with unit below;	60.6	64.8	100				64.5	65.5	0.04	<0.01		145	10	3	
64.8	70.9	QUARTZITE with minor shale, skarn and calc-silicate interbeds: mottled light-dark gray hornfelsed sandstone-quartzite with narrow interbeds of dark gray hornfelsed shale; minor hard calc-silicate and epidote-garnet skarn intervals;	64.8	70.9	100				68.0	69.0	<0.01			99	20	3	
										69.0	70.0	<0.01			160	10	3

338030

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 31

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine.

Comments on Completion
.Intersected 34 vm. skarn beneath sheared quartzites, interpreted as a thrust fault which has pushed Molina Sandstone over the top of the skarn; skarn was low in gold (best 1m 0.11Au) but moderately anomalous in Bi, suggesting close proximity to gold mineralised zone;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405838.6	418989.7	660.6	-90	-

Length (m)
63.0

Hole Size	
To (m)	Size
63.0	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	8.0	see log
21.5	23.0	33

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;.

Summary of Results:

Depth		Recovery %	Description	Assays						
From	To			Length	Au	Au d1	Zn	Bi	Mo	

338032

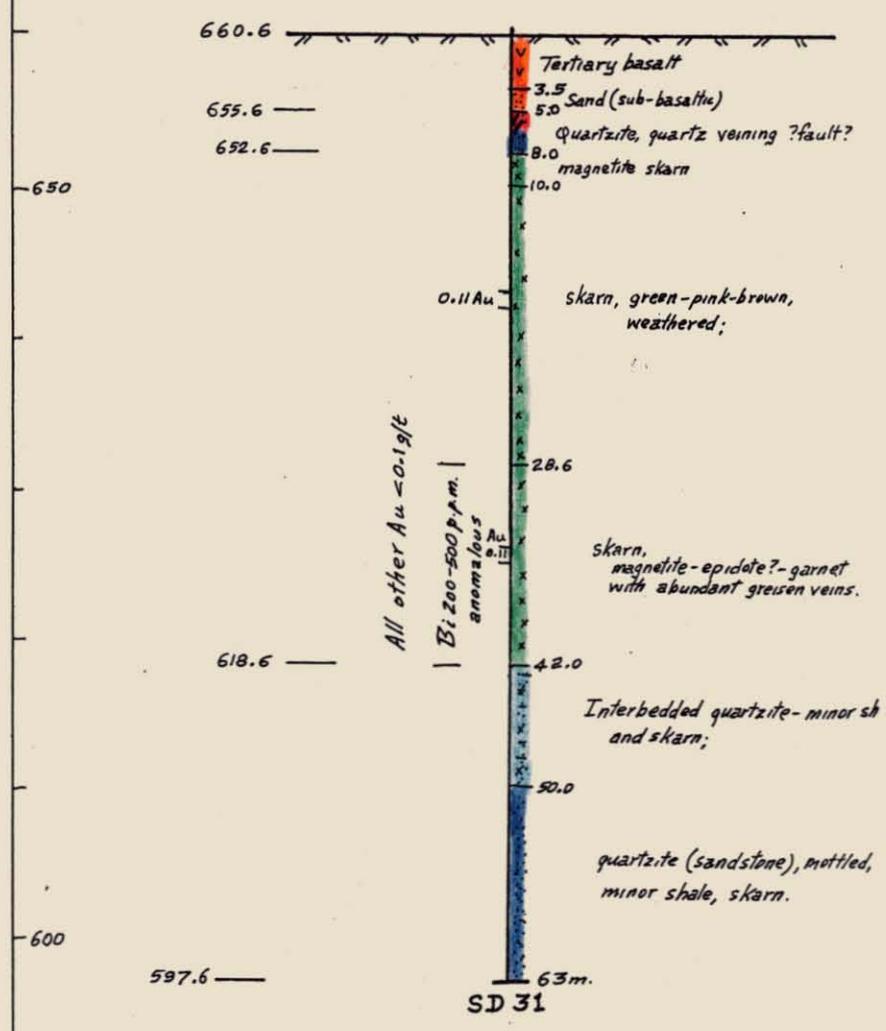
SD 31
Collar 660.6 R.L.

5,838.6N

PLAN

8,989.7E

m. ASL



SECTION

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92-STORMONT AREA		
DDH SD 31		
10m.	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays								
From	To		From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0.0	3.5	TERTIARY BASALT: broken but fresh basalt; poor core recovery; magnetic;	0.0	3.5	20											
3.5	5.0	SAND: brown and white quartz sand; possibly developed on Ordovician surface beneath basalt; poor recovery;	3.5	5.0	20											
5.0	6.6	QUARTZITE AND QUARTZ VEINING: rubbly massive white quartz veining and white saccharoidal quartzite rubble; poor recovery;	5.0	6.6	55				5.0	6.5	0.03			13	10	4
6.6	8.0	QUARTZITE minor skarn: quartzite as above but lesser quartz veining; minor skarn-very weathered and friable;	6.6	8.0	65				6.5	8.0	<0.01			17	35	<3
8.0	10.0	MAGNETITE SKARN: dark gray-orange, intensely weathered limonitic skarn containing abundant magnetite;	8.0	10.0	90				8.0	9.5	0.04			140	600	8
									9.5	11.0	0.07			240	50	<3
10.0	28.6	SKARN: green-pink-brown skarn, intensely leached and weathered, very soft and friable; possibly originally an epidote-idocrase-garnet skarn; Irregular patches granular magnetite throughout 5-10%; minor clay filled veins at low CA angle, possibly weathered greisen veins; small grains silvery mineral in top half of unit;	10.0	14.0	90				11.0	12.5	<0.01			125	15	<3
			14.0	21.5	100				12.5	14.0	<0.01			360	10	<3
			21.5	23.0	33				14.0	15.0	0.06			360	10	<3
			23.0	28.6	100				15.0	16.0	0.04			190	20	<3
									16.0	17.0	<0.01			180	<5	<3
									17.0	18.0	0.11			900	20	<3
									18.0	19.0	0.03			460	15	<3
									19.0	20.0	<0.01			320	<5	<3
									20.0	21.0	<0.01			360	<5	<3
									21.0	23.0	<0.01			320	<5	<3
28.6	42.0	MAGNETITE SKARN WITH ABUNDANT GREISEN VEINS: magnetite-epidote-pyroxene-?garnet skarn with abundant greisen veins; in the upper part of the unit, the core has a dark (magnetite) and light (? epidote) banded	23.0	24.0	<0.01				23.0	24.0	<0.01			280	<5	<3
			28.6	42.0	100				24.0	25.0	<0.01			155	<5	<3
									25.0	26.0	0.05			105	<5	<3
									26.0	27.0	<0.01	0.02		150	65	<3
									27.0	28.0	<0.01			105	5	<3
									28.0	29.0	<0.01			105	45	<3

338034

Description		Core Recovery			RQD			Assays									
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo		
28.6 cont.....	42.0	appearance, with 5-20mm. greisen veins parallel to magnetite rich bands at generally high angles to CA (60-80). greisen veins have quartz-topaz?-fluorite cores and silvery blotite selvages. pyrite common within the greisen veins; in the lower part of the unit (below 35 m.), the greisen veins are more abundant, wider up to 40 mm., and often at lower (30-50) angles to CA. coarse euhedral pyrite abundant 20-30% in these greisen veins, typically between the quartz-topaz cores and the mica selvages;						29.0	30.0	0.01	0.01		110	440	12		
									30.0	31.0	<0.01			110	400	6	
									31.0	32.0	<0.01			83	140	3	
									32.0	33.0	0.07			72	500	3	
									33.0	34.0	<0.01			85	320	4	
									34.0	35.0	0.11			110	175	3	
									35.0	36.0	0.06			145	340	3	
									36.0	37.0	0.08			80	185	3	
									37.0	38.0	0.02			71	240	4	
									38.0	39.0	0.05			155	195	3	
42.0	50.0	INTERBEDDED QUARTZITE-SKARN-CALC SILICATE: gradational with unit above; light gray quartzite interbedded with mottled greenish diopside?-chlorite-epidote skarn, minor magnetite; minor zones of banded fawn calc-silicates (altered shales?); greisen veins still common but not abundant as in unit above, generally 5-10mm. wide and strongly pyritic; 2-3% euhedral pyrite pervasive as coarse clusters and aggregates; core severely broken along several sericite coated joint directions;	42.0	50.0	100				41.0	42.0	<0.01	<0.01	<0.01	155	380	4	
										42.0	43.0	0.02	0.01		100	260	3
										43.0	44.0	0.01			71	160	3
										44.0	45.0	0.01			33	30	4
										45.0	46.0	<0.01			42	50	6
										46.0	47.0	<0.01			125	135	3
										47.0	48.0	<0.01			125	240	3
										48.0	49.0	<0.01			80	65	3
										49.0	50.0	<0.01			74	75	3
			50.0	63.0	QUARTZITES-CALC SILICATES-minor skarn: gradational with unit above; banded light-dark gray calc silicates (?altered shales) near top of unit,BCA 70-80; light-dark gray quartzite with irregular mottled appearance due to minor green-brown skarn component; minor greisen veins; <1% disseminated euhedral pyrite; core very broken, reduced to rubble 55-58.5m., and 61-62.2; numerous sericitic joint sets;	50.0	56.5	100				50.0	51.0	<0.01			85
										56.5	57.5	50			115	50	3
										57.5	63.0	100					
END OF HOLE																	

333035

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 32

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine.

Comments on Completion
.intersected a narrow skarn zone with low gold and bismuth beneath the interpreted Stormont thrust structure, prior to passing into Molina Sandstone;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405844.3	419002.7	659.8	-90	-

Length (m)
60.0

Hole Size	
To (m)	Size
60.0	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	3.5	3
21.7	23.0	55

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed.

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Au d1	Zn	Bi	Mo		

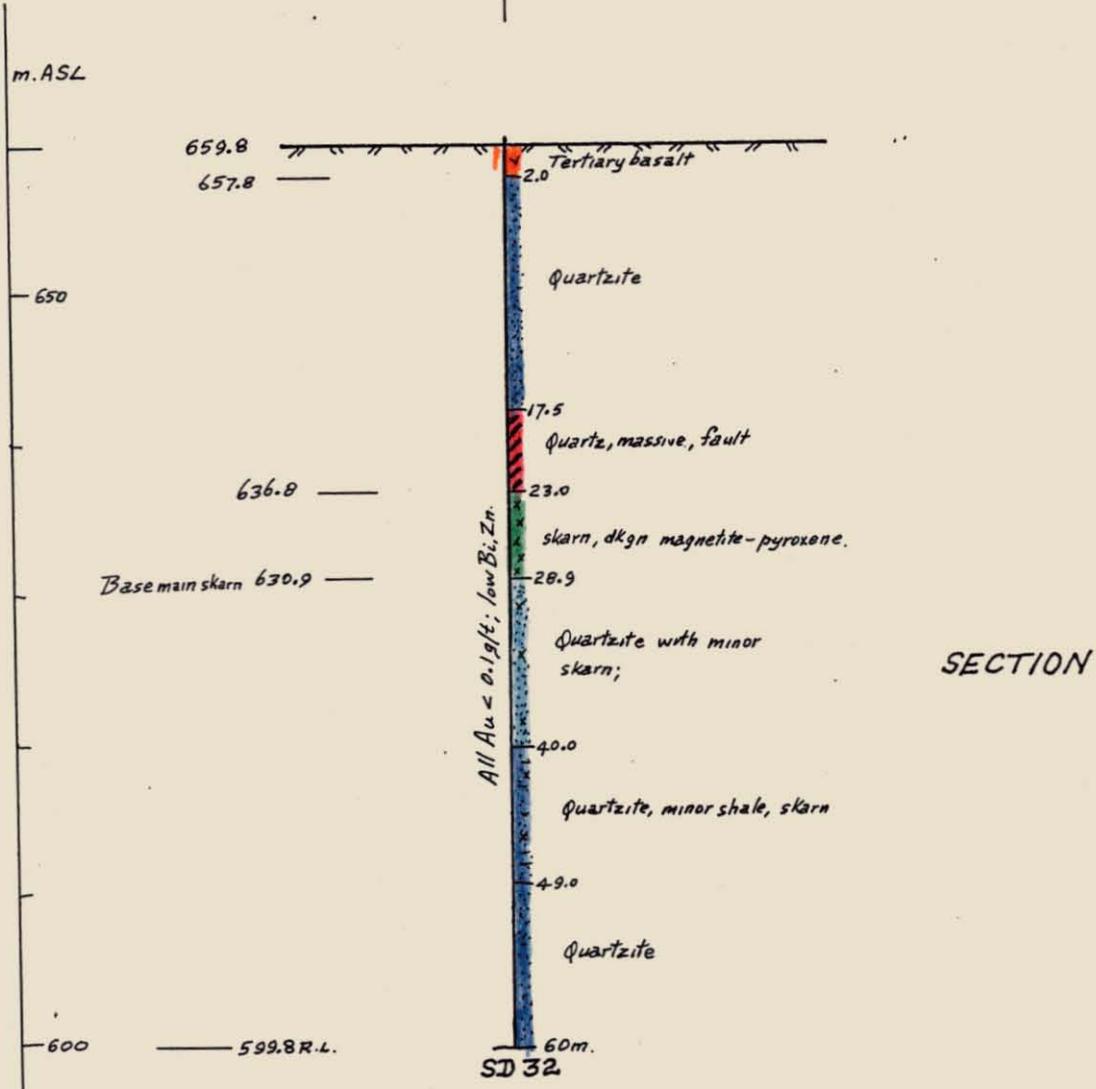
333030

419 002.7 E

SD 32
659.8 R.L.

5,405,844.3

PLAN



5 cm

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L.20/92-STORMONT AREA		
DDH SD 32		
10m.	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0.0	2.0														
		0.0	2.0	5.0											
2.0	17.5														
		2.0	3.5	0.0											
		3.5	17.5	100.0				3.5	5.0	0.04			6	40	<3
								5.0	6.5	0.04			16	15	<3
								6.5	8.0	0.02			14	10	<3
								8.0	9.5	0.03			39	15	<3
								9.5	11.0	0.03			30	10	<3
								11.0	12.5	0.01			26	25	4
								12.5	14.0	0.01			30	30	<3
								14.0	15.5	<0.01			56	45	<3
								15.5	17.0	<0.01			54	20	<3
								17.0	18.5	<0.01			64	30	<3
17.5	23.0														
		17.5	21.7	100.0				18.5	19.5	<0.01			66	10	<3
		21.7	23.0	54.0				19.5	20.5	<0.01			56	10	<3
								20.5	21.5	<0.01			34	10	<3
								21.5	23.0	<0.01			39	<5	<3
23.0	27.3														
		23.0	27.3	100.0				23.0	24.0	<0.01			87	15	<3
								24.0	25.0	<0.01			155	50	<3
								25.0	26.0	<0.01			65	5	<3
								26.0	27.0	<0.01			58	<5	<3
								27.0	28.0	<0.01			175	<5	<3
27.3	28.9							28.0	29.0	<0.01			500	<5	<3
		27.3	28.9	100.0				29.0	30.0	<0.01			280	25	<3
								30.0	31.0	<0.01			135	5	<3
28.9	40.0							31.0	32.0	<0.01			120	<5	<3
		28.9	40.0	100.0				32.0	33.0	<0.01			110	5	<3
								33.0	34.0	<0.01			125	5	<3
								34.0	35.0	<0.01			78	<5	<3
								35.0	36.0	<0.01			96	55	<3
								36.0	37.0	<0.01			90	95	<3
								37.0	38.0	<0.01			115	20	<3
								38.0	39.0	<0.01			82	40	<3
								39.0	40.0	<0.01			55	10	<3

333038

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 33

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine.

Comments on Completion
Intersected 40 m. skarn, including clay zone beneath basalt cover; HW section of weathered skarn gold anomalous and probably represents the southern extension of the main Stormont gold zone; 10.5m. 1.4 Au included 1.5m. 9 Au; balance 0.1-0.3 Au; zone also Bi anomalous;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405832.5	418966.2	659.4	-90	-

Length (m)
68.0

Hole Size	
To (m)	Size
68.0	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	29.0	several zones of significant loss: see log

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays					
From	To	%		Length	Au	Au d1	Zn	Bi	Mo
24.5	35.0	86	weathered magnetite skarn grading down into green pink mottled fresh skarn	10.5	1.4		178	804	<3
incl. 27.5	29.0	90	weathered magnetite skarn	1.5	9.0	8.6	320	1700	<3

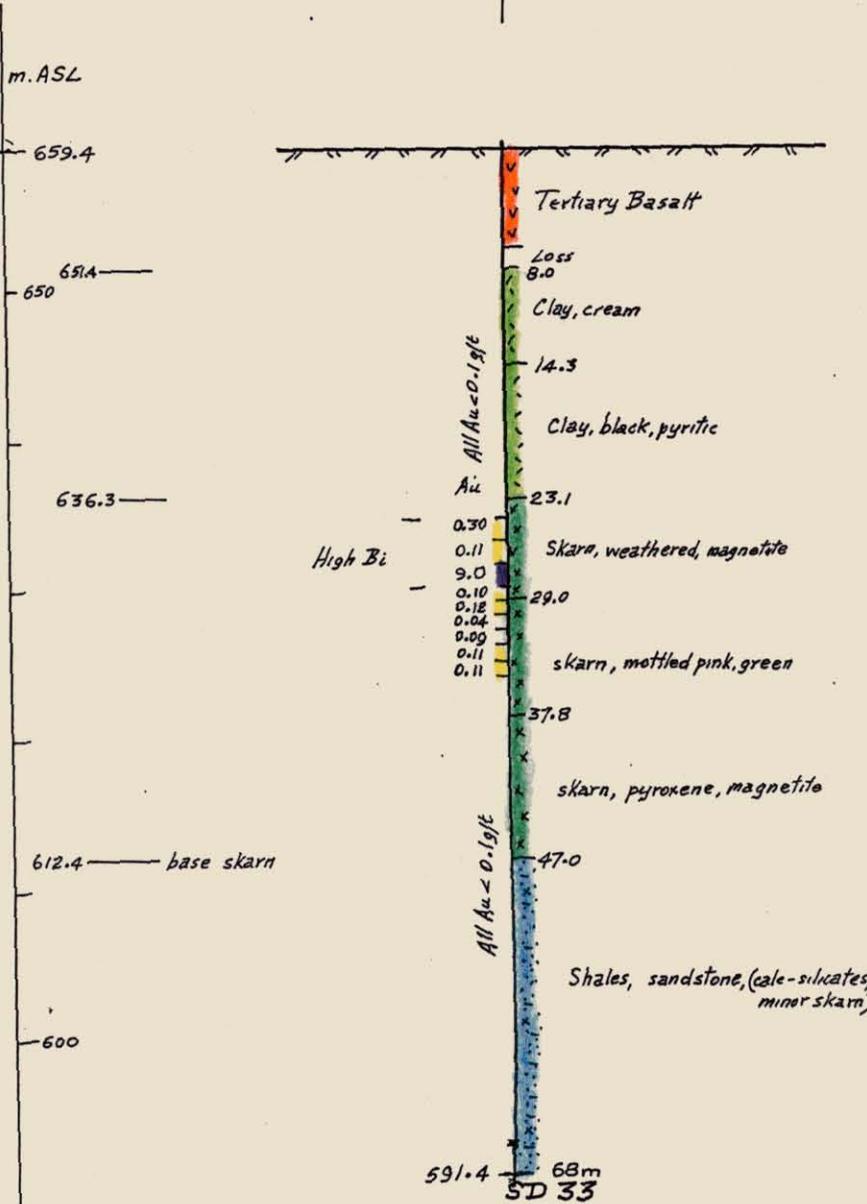
333070

5,405,832.5 N

SD 33
659.4

418,866.2 E

PLAN



SECTION

NEWHAM EXPLORATION AND MINING SERVICES

GOLDSTREAM-TITAN J/V.
E.L.20/92-STORMONT AREA
DDH SD 33

10m 20m Scale: 1:500

Drawn: L.A. Newham Date: Jan. 96 Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0.0	6.5	0.0	6.5	15.0											
		TERTIARY BASALT: dark gray Tertiary basalt, weakly magnetic;													
6.5	8.0	6.5	8.0	0.0											
		CORE LOSS:													
8.0	14.3	8.0	9.5	100.0				8.0	9.5	0.04			54	30	<3
		CLAY: cream, occasionally orange clays; vague bedding traces ? in part; probably after skarn/limestone;													
		9.5	11.0	27.0				9.5	11.0	0.02			33	<5	<3
		11.0	12.5	80.0				11.0	12.5	0.01			35	<5	<3
		12.5	14.3	100.0				12.5	14.0	0.02			39	<5	<3
14.3	23.1	14.3	15.5	90.0				14.0	15.5	<0.01			85	<5	<3
		CLAY: dark gray-black, pyritic (1-2%) clay; vague bedding and "blotchy" texture; probably weathered skarn as below; silver colored micaceous, very soft bladed mineral common- possibly altered actinolite ?													
		15.5	17.0	66.0				15.5	17.0	<0.01			540	<5	<3
		17.0	18.5	100.0				17.0	18.5	0.04			620	<5	<3
		18.5	20.0	66.0				18.5	20.0	0.02			4000	5	<3
		20.0	23.1	100.0				20.0	21.5	<0.01			860	10	<3
23.1	29.0	23.1	24.5	100.0				21.5	23.0	<0.01			1300	15	<3
		WEATHERED SKARN: mottled orange (limonitic) intensely weathered magnetite skarn mixed with dark gray-black magnetite skarn with wiggly texture; green-orange zones may represent altered / weathered amphibole-garnet skarns; below 28.5 m. weathered cream-green skarn with no limonite staining or magnetite- gradational with unit below;													
		24.5	26.0	66.0				23.0	24.5	<0.01			170	740	<3
		26.0	27.5	50.0				24.5	26.0	0.30			220	3300	<3
		27.5	29.0	90.0				26.0	27.5	0.11			150	580	4
								27.5	29.0	9.00	8.6		320	1700	<3
29.0	37.8	29.0	37.8	100.0				29.0	30.0	0.10			460	15	<3
		SKARN: mottled pink (garnet) green (epidote- actinolite) skarn; fresh and very competent; gradational with weathered unit above; irregular patches of amber colored garnets set in greenish-gray fine grained skarn, often with fibrous texture; minor patches of silvery mineral; magnetite bands near base of unit; banding / bedding near base 45 CA;													
								30.0	31.0	0.12			72	20	<3
								31.0	32.0	0.04			72	<5	<3
								32.0	33.0	0.09			105	<5	<3
								33.0	34.0	0.11			63	15	<3
								34.0	35.0	0.11			68	15	<3
								35.0	36.0	0.03			39	5	<3
								36.0	37.0	0.03			60	15	<3
								37.0	38.0	0.04			125	65	<3

008010

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 34

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine and to the west of the Stormont Fault

Comments on Completion
.intersected 33 m. skarn, including HW clays, beneath thin basalt cover; low gold values, best 1.7m. 0.14 Au, but HW half Zn anomalous suggesting close proximity to Stormont gold zone;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405859.2	418925.0	650.1	-90	-

Length (m)
49.0

Hole Size	
To (m)	Size
49.0	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	4.4	7
4.4	20.3	85

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays						
From	To			%	Length	Au	Au d1	Zn	Bi	Mo

333044

5,405,859.2 N.

SD 34
650.1 R.L.



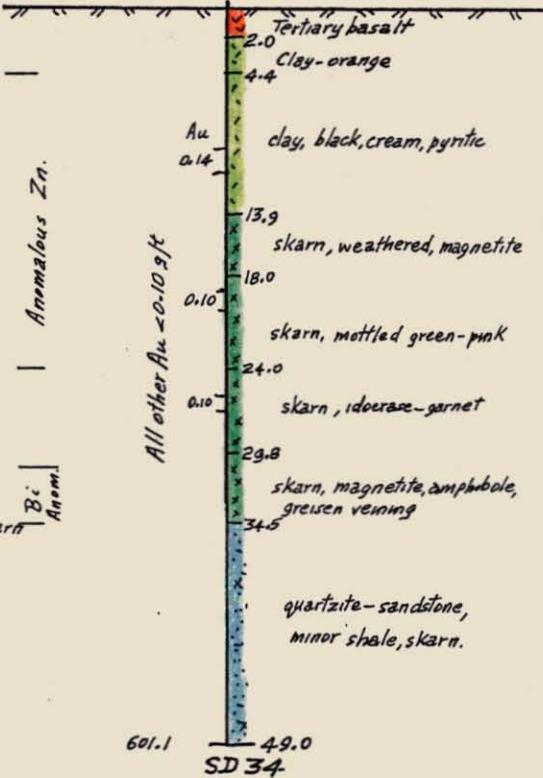
PLAN

418,925.0 E

m. ASL

650.1 Collar.

648.1



SECTION

615.6 base skarn

600

601.1 SD 34

5 cm

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92 - STORMONT AREA		
DDH SD 34		
10m	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays								
From	To		From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0.0	2.0	TERTIARY BASALT: rubble	0.0	2.0	10.0											
2.0	4.4	CLAY: orange-light gray-cream-brown clays;	2.0	4.4	5.0				2.0	4.4	0.01			39	<5	<3
4.4	13.9	CLAY: interbedded black, mottled gray-cream and light brown clays; black clays contain 0.5-1% euhedral disseminated pyrite;	4.4	6.3	80.0				4.4	6.3	<0.01			500	<5	<3
			6.3	7.8	100.0				6.3	7.8	<0.01			620	<5	<3
			7.8	8.3	80.0				7.8	9.5	<0.01			460	<5	<3
			8.3	13.9	100.0				9.5	11.2	0.14	0.08		280	<5	<3
									11.2	12.7	0.08			700	<5	<3
13.9	34.5	SKARN: 13.9-18.0: intensely weathered orange-green skarn with dark gray-black veins and aggregates magnetite near top; actinolite severely weathered to clay (sericite?) unit very broken; 18.0-24.0: soft, weathered green-pink skarn ? garnet-actinolite ?; set of 2-5 mm. greisen veins 30 CA, containing silvery mica, pyrite and magnetite; amphiboles and pyroxenes extensively altered to orange clay; near base, large clusters of dark green fibrous actinolite crystals; 24-29.8: mottled light brown-green-pink idocrase-epidote-garnet ? skarn; large dark green clots fibrous actinolite set in green-pink epidote-garnet skarn; actinolite diminishes below 27 m; 29.8-34.5: mottled magnetite skarn with abundant thin greisen veins; dark gray-black patches fibrous magnetite and actinolite in a pink-green epidote-garnet skarn; abundant 1-10 mm. greisen veins containing soft silvery mica, fluorite, and typically with magnetite selvages; some siliceous (quartzite) patches near base of unit;	13.9	15.8	80.0				12.7	13.9	0.06			1100	<5	<3
			15.8	17.3	80.0				13.9	15.8	0.01			240	<5	<3
			17.3	20.3	90.0				15.8	17.3	<0.01			640	5	<3
									17.3	18.8	0.04			580	<5	<3
									18.8	20.0	0.10	0.08		400	25	<3
									20.0	21.0	0.06			190	10	<3
									21.0	22.0	0.02			190	<5	<3
									22.0	23.0	<0.01			135	<5	<3
									23.0	24.0	<0.01			78	<5	<3
									24.0	25.0	<0.01			81	<5	<3
									25.0	26.0	<0.01			64	<5	<3
									26.0	27.0	0.10			48	<5	<3
									27.0	28.0	0.02			48	<5	<3
			20.3	34.5	100.0				28.0	29.0	<0.01			43	<5	<3
									29.0	30.0	0.01			41	<5	<3
									30.0	31.0	<0.01			44	85	<3
									31.0	32.0	0.01			56	320	<3
									32.0	33.0	0.01			52	320	<3
									33.0	34.0	<0.01			63	480	<3
									34.0	35.0	<0.01			105	340	4

038046

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 35

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine and to the east of the Stormont Fault

Comments on Completion
.narrow skarn zone intersected beneath sheared and faulted shales and sandstones; skarn Bi anomalous but only trace Au; interpreted as intersecting the extreme eastern end of the main Stormont skarn body;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405891.8	418957.3	648.3	-90	-

Length (m)
69.7

Hole Size	
To (m)	Size
69.7	HQ

Significant Core Loss Zones		
From	To	%Rec.
some loss	near collar	- see log

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery %	Description	Assays							
From	To			Length	Au	Au d1	Zn	Bi	Mo		

033040

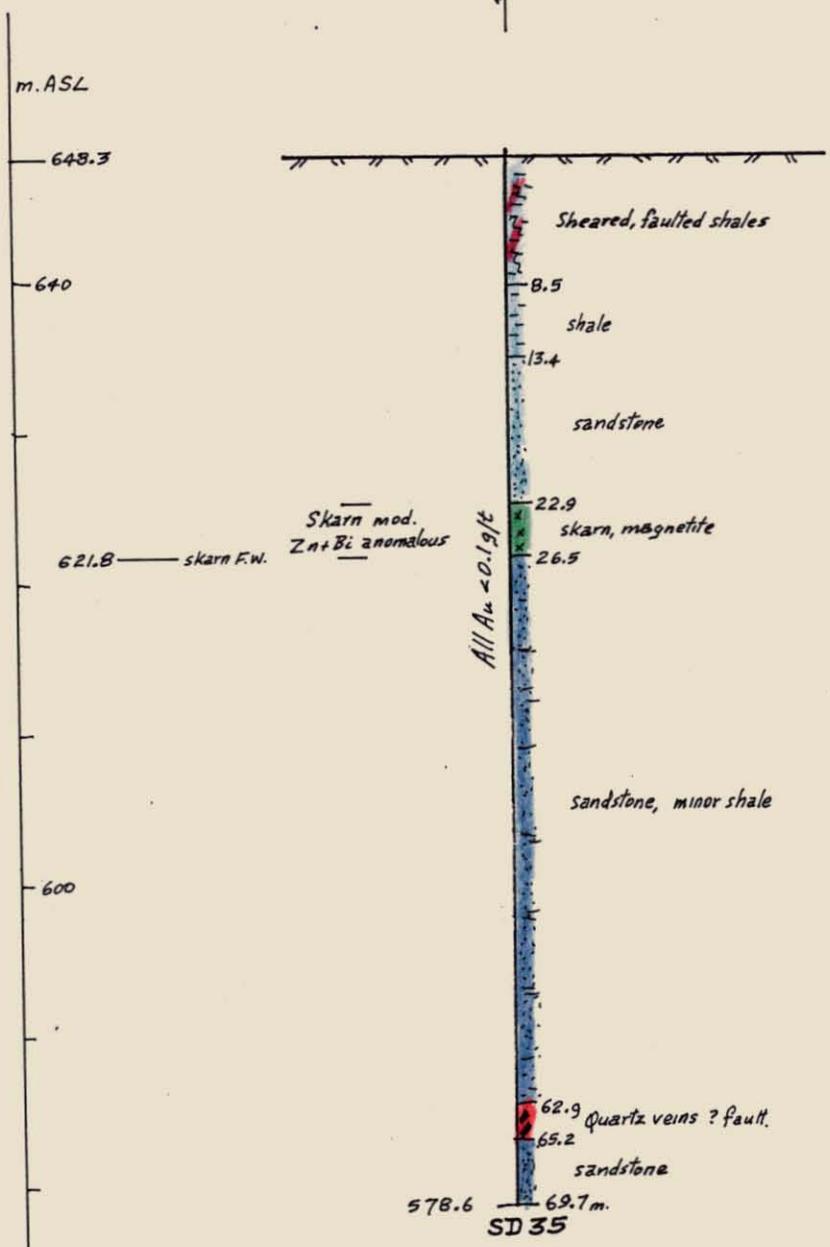
5405, B91-8N

SD 35
648.3



418, 957.3

PLAN



SECTION

5 cm

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92 - STORMONT AREA		
DDH SD 35		
10m.	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays								
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo	
0	8.5	SHEARED and ?FAULTED SHALES: note: no basalt; soft white-light gray-cream sheared fine grained sediments, largely degraded to clay-sericite; essentially a shale unit Intermixed with large fragments up to 100 mm. sandstone and gray fractured quartz; unit intensely broken, mainly along dominant shearing direction 10 CA; most fractures coated with limonite or dark gray Mn oxide (pyrolusite); unit probably represents a steeply dipping fault zone in shales;		0	2.2	23										
			2.2	3.3	100											
			3.3	5.2	40											
			5.2	8.5	100											
8.5	13.4	SHALES: dark gray-purple shales with minor medium gray sandstone beds; shale contains white sandstone augens up to 10 mm., possibly worm casts; weathered but becoming fresher towards base; BCA 40-45; fractures limonite coated; sharp 45-50 contact with sandstone below;		8.5	11.2	100										
			11.2	12.7	80											
			12.7	13.4	100											
13.4	22.9	SANDSTONE: dark-medium gray, medium grained sandstone; clots and coarse disseminated pyrite 0.5-1%; intensely jointed with 1-2 directions 20-30 CA; most joints to 18 m. limonite coated but fresher below 18 m;		13.4	22.9	100										
22.9	26.5	MAGNETITE SKARN: dark green-black magnetite, fibrous actinolite, chlorite skarn; sandstone component increases towards base (ie) gradational with unit below; 1-5 mm. greisen veins common, typically 70-80 CA, consisting mainly of pyrite, light colored mica, fluorite and quartz; minor specs bismuthinite?; strong low angled joint sets 20 and 30 CA		22.9	26.5	100										
								22.5	23.5	0.01	0.02		125	130	<3	
								23.5	24.5	<0.01			175	320	4	
								24.5	25.5	<0.01			160	420	4	
								25.5	26.5	<0.01			120	400	6	

038050

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
22.9 cont.....	26.5														
26.5	62.9	26.5	62.9	100											
								29	30	<0.01			49	15	4
								30	31	<0.01			77	45	4
								31	31.7	<0.01			43	35	3
								49.3	49.8	<0.01			78	15	3
62.9	65.2	62.9	63.5	100											
		63.5	65.1	65				63	64	<0.01			38	5	3
								64	65.2	<0.01			42	5	4
65.2	69.7	65.1	69.7	100											

333051

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 36

Commenced:	November 95
Completed:	November 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the Stormont Fault to the south east of the former mine.

Comments on Completion
.intersected 27 m. skarn commencing at surface; whole unit gold anomalous 27.3 m. 1.4 Au, including 10.2-19.7 m., 9.5 m. 2.7 Au; this interval lies 30 m. SE of Stormont tunnel and represents the extension of mineralisation mined in those workings;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405903.6	418911.9	646.0	-90	-

Length (m)
58.0

Hole Size	
To (m)	Size
58.0	HQ

Significant Core Loss Zones		
From	To	%Rec.
0	17.2	70

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;.

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Au d1	Zn	Bi	Mo		
0.0	27.3	82	variably weathered skarn, magnetic in part	27.3	1.40		0.04	0.03	<0.001		
Incl. 10.2	19.7	72	strongly weathered iron rich skarn, possibly faulted	9.5	2.70		0.05	0.07	<0.001		

5,405,903.6

SD36
645.0

PLAN



418,911.9

m. ASL

646.0 R.L.

640

626.3 — minxl. F.W.

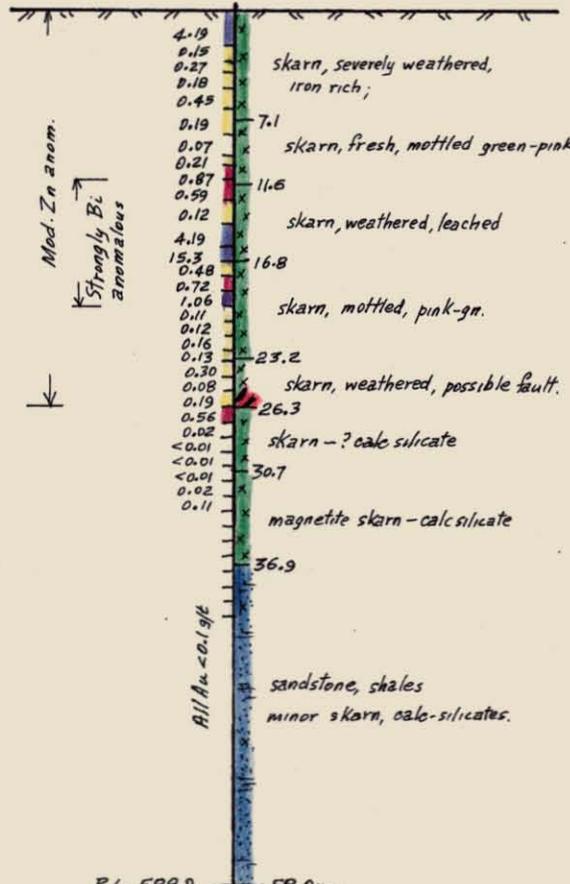
619.7 — ? fault.

609.1 — skarn F.W.

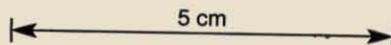
600

R.L. 588.0 — 58.0m.

SD 36



SECTION



NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92 - STORMONT AREA		
DDH SD 36		
10m.	20m	Scale: 1:500
Drawn: Z.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0	7.1	WEATHERED SKARN: severely weathered iron rich skarn; soft limonite-goethite-hematite abundant; mottled orange-light brown with steel gray hematite along joints and fractures; 5.5-6.0 m: foliation in weathered core semi parallel CA; unit has brecciated ? faulted appearance in places; joints often filled with crystalline quartz and coated with iron oxides;													
		0	2.2	30				0	2.2	4.19	3.72		460	500	6
		2.2	4.2	100				2.2	3.2	0.15			500	50	6
		4.2	5.2	80				3.2	4.2	0.27			440	60	4
		5.2	7.1	100				4.2	5.2	0.18			680	45	6
								5.2	6.7	0.45	0.5		520	60	4
7.1	11.6	FRESH SKARN, minor weathered zones: mottled green-pink epidote-garnet-actinolite-quartz skarn; clots of acicular actinolite common; 8.7-9.7 m: soft light brown weathered zone; 10.1-11.3 m: limonite-hematite weathered zone with boxworks shapes, possibly faulted? recoveries in these weathered units poor; trace grains and veinlets silvery mineral in pink skarn, assays indicate not bismuthinite or molybdenite; foliation in skarn generally 20-30 CA;													
		7.1	8.7	100				6.7	8.2	0.19			155	35	4
		8.7	9.7	40				8.2	9.7	0.07			200	15	<3
		9.7	10.2	100				9.7	10.2	0.21			320	40	<3
		10.2	11.2	30				10.2	11.2	0.87	0.79		540	145	6
11.6	16.8	WEATHERED AND LEACHED SKARN: some core loss in this interval; orange-steel gray-cream iron rich weathered skarn; steel gray hematite gives core boxworks or brecciated appearance in places; 15.7-16.5 m: narrow interval of less weathered pink garnet skarn; unit possibly a faulted and deeply weathered amphibole- magnetite skarn;													
		11.2	12.7	66				11.2	12.7	0.59	0.58	0.64	580	80	4
		12.7	14.2	60				12.7	14.2	0.12	0.1		1000	35	6
		14.2	15.7	50				14.2	15.7	4.19	3.44		480	560	6
		15.7	16.5	100				15.7	16.7	15.3	14.5		220	2400	4
16.8	23.2	SKARN: mottled pink-green actinolite-epidote-garnet skarn with significant disseminated and veined magnetite in some intervals; <0.5% silver mineral disseminated grains, clots and small veinlets;													
		16.5	17.2	85				16.7	17.7	0.48	0.48		380	480	6
		17.2	23.2	100				17.7	18.7	0.72	0.76		185	1600	<3
								18.7	19.7	1.06			99	840	<3
								19.7	20.7	0.11			125	30	<3
								20.7	21.7	0.12			200	30	4
								21.7	22.7	0.16			130	20	<3

000050

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
16.8 cont.....	23.2														
23.2	26.3	23.2	26.3	100				22.7	23.3	0.13			110	25	4
								23.3	24.3	0.3			155	55	<3
								24.3	25.3	0.08			185	30	<3
								25.3	26.3	0.19			160	40	<3
26.3	30.7	26.3	30.7	100				26.3	27.3	0.56	0.53		55	30	<3
								27.3	28.3	0.02			61	10	<3
								28.3	29.3	<0.01			66	15	<3
								29.3	30.3	<0.01			46	10	<3
30.7	36.9	30.7	36.9	100				30.3	31.3	<0.01			36	15	<3
								31.3	32.3	0.02			145	25	<3
								32.3	33.3	0.11			90	150	4
								33.3	34.3	0.02	0.03		69	85	4
								34.3	35.3	0.02			86	20	<3
								35.3	36.3	<0.01			53	10	<3
								36.3	37.3	<0.01			69	110	4
36.9	58.0	36.9	52.7	100				37.3	38.3	<0.01			91	50	4
			52.7	80											
			53.2	80											
			58	100											

333050

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 37

Commenced:	December 95
Completed:	December 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the southern tip of the old tunnel from the open cut, on the western side of the Stormont Fault.

Comments on Completion
.Intersected 15 m. skarn beneath Stormont thrust structure which thrust shales and sandstones over the skarn and removed the top half of the skarn; Au values in the skarn were very low and Zn and Bi values were only weakly anomalous;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405901.4	418935.1	646.3	-90	-

Length (m)
59.6

Hole Size	
To (m)	Size
59.6	HQ

Significant Core Loss Zones		
From	To	%Rec.

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays					
From	To	%		Length	Au	Au d l	Zn	Bi	Mo

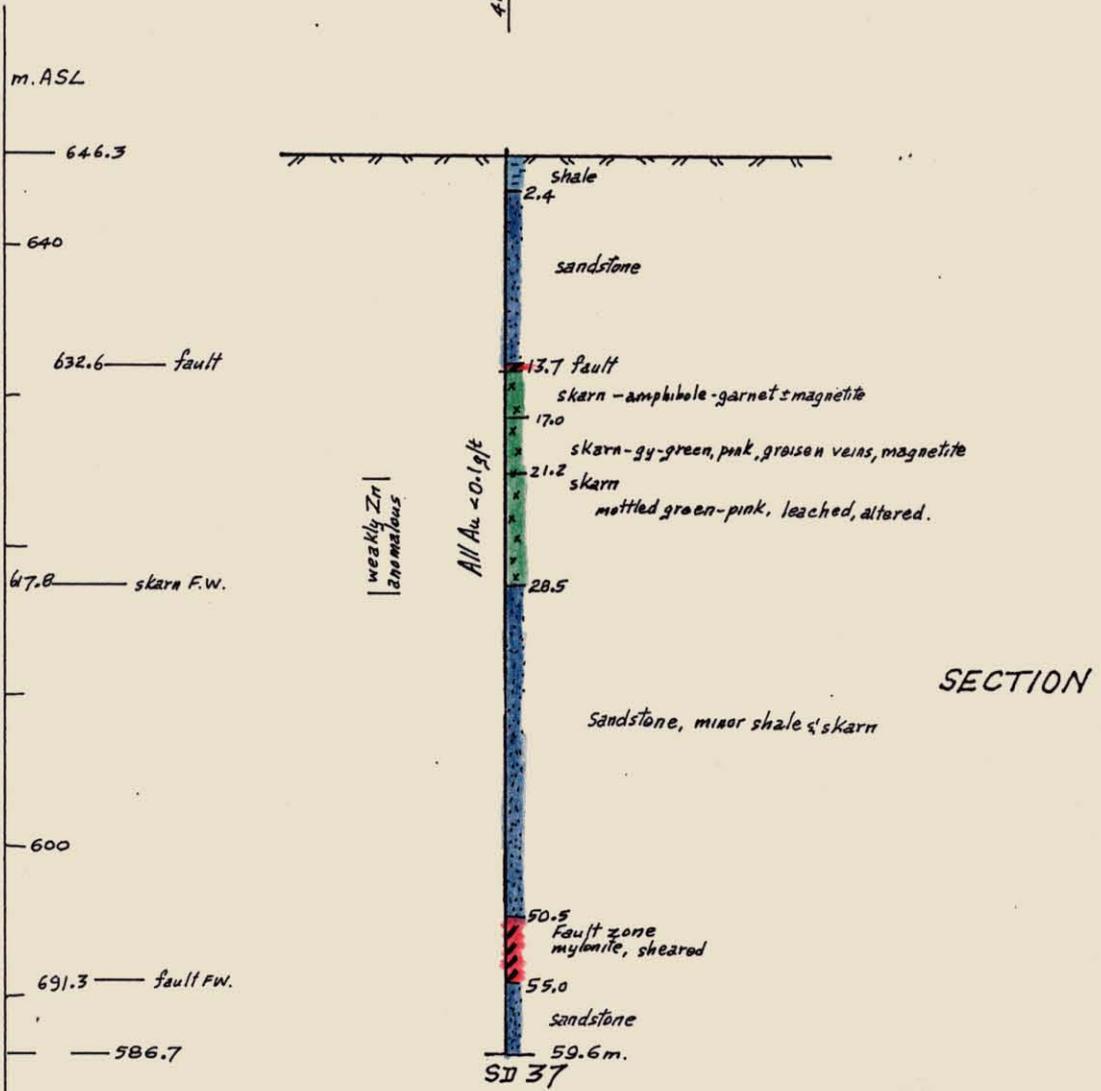
5,405,901.4

SD 37
646.3



PLAN

418,935.1



SECTION

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L.20/92-STORMONT AREA		
DDH SD 37		
10m.	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays								
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo	
0	2.4	SHALES: light gray, soft, tubicolar shales; very broken, with joint surfaces coated with Mn and Fe; BCA 70;		0	1.1	35										
		1.1	2.4	100												
2.4	13.7	SANDSTONE: light-dark gray medium grained saccharoidal sandstone, tubicolar near top; pyritic, 0.5-1% as coarse grains, thin veinlets and aggregates; unit relatively fresh but moderately broken; all joint surfaces limonitic; occasional 1-2mm. greisen veins, containing clay and pyrite;		2.4	13.7	100										
13.7	28.5	SKARN: 13.7-14.0: broken core and rubble with some core loss, possible fault; 14.0-17.0: massive mottled pink-green skarn, possibly garnet, idocrase, augite, actinolite skarn, with abundant magnetite near top of unit; large masses of pale green rosettes fibrous actinolite >75% of core in places; large clots acicular actinolite associated with garnet/idocrase rich zones; minor blebs and streaks of silvery mineral; 17.0-21.2: mottled dark gray-green-pink skarn, epidote, amphibole, pyroxene skarn with large clots and veinlets of magnetite; 1-10mm. greisen veins common 40-45 CA, consist of white cores, possibly quartz-topaz, and dark green micaceous margins, and abundant green honey colored mineral ? idocrase; small specs of silvery mineral; 21.2-22.9: mottled pink-light green skarn, with small blebs of silvery mineral; 22.9-28.5: very soft, leached and altered green-pink skarn; saccharoidal appearance and broken; sharp contact with unit below;		13.7	15.5	83			13.7	14.5	<0.01			91	15	-3
		15.5	24.5	100					14.5	15.5	<0.01			46	10	-3
		24.5	26	90					15.5	16.5	0.01			83	5	-3
		26	27.5	66					16.5	17.5	<0.01			66	5	-3
		27.5	28.5	100					17.5	18.5	<0.01			68	20	4
									18.5	19.5	<0.01			52	20	-3
									19.5	20.5	<0.01			81	55	4
									20.5	21.5	<0.01			72	35	4
									21.5	22.5	<0.01			65	15	4
									22.5	23.5	0.02			200	25	6
									23.5	24	0.01			240	25	6
									24	25	0.01			300	30	6
									25	26	<0.01			100	25	6
									26	27	<0.01			100	25	6
									27	28.5	<0.01			135	25	6

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COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 38

Commenced:	December 95
Completed:	December 95
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the southern tip of the old tunnel from the open cut, on the western side of the Stormont Fault.

Comments on Completion
.hole drilled through the Stormont thrust structure into sandstone beneath the main Stormont skarn zone; (ie) the hole was east of the main anticipated mineralised zone;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405924.2	418922.1	642.5	-90	-

Length (m)
44.0

Hole Size	
To (m)	Size
44.0	HQ

Significant Core Loss Zones		
From	To	%Rec.

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Au d1	Zn	Bi	Mo		

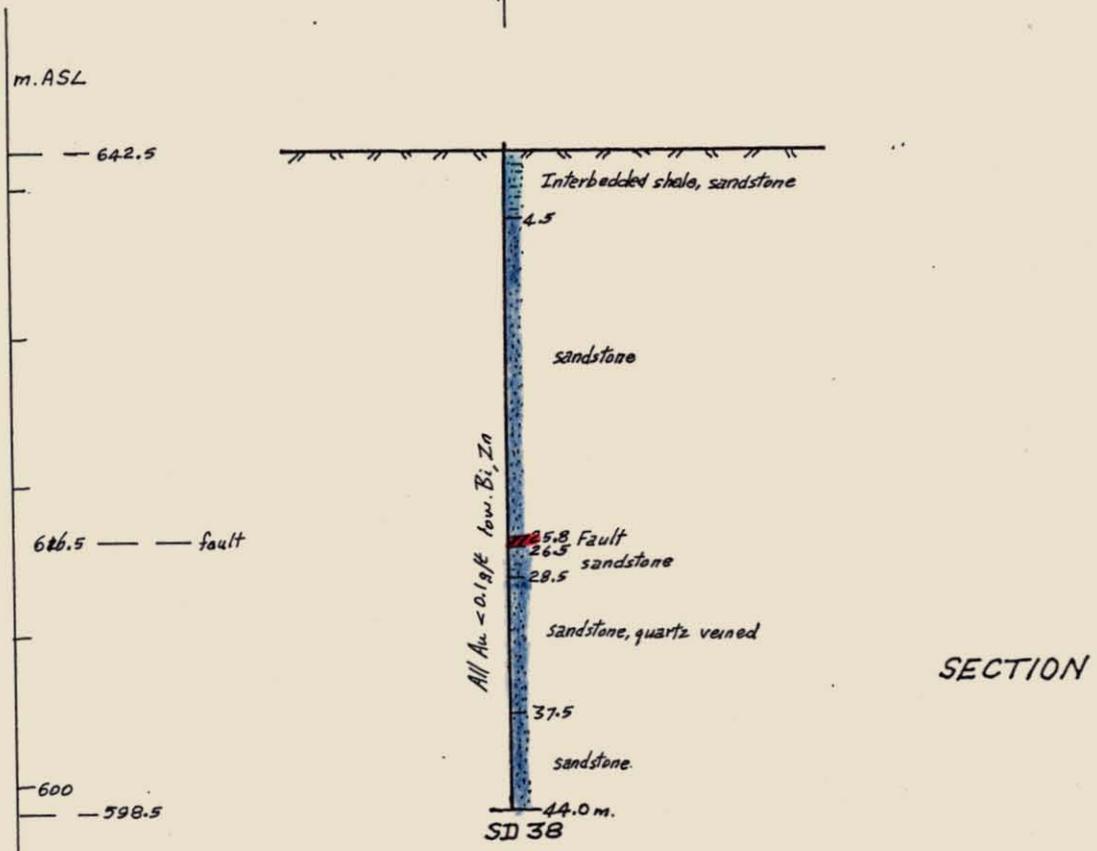
5,405,924.2 N

SD38
642.5



418,922.1 E

PLAN



SECTION

NEWNHAM EXPLORATION AND MINING SERVICES

GOLDSTREAM-TITAN J/V.
E.L.20/92-STORMONT AREA
DDH SD 38

10m.	20m	Scale: 1:500
Drawn: Z.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0	4.5	INTERBEDDED SHALE AND SANDSTONE: dark gray-white banded shales, tubicolar in places; BCA 70-80; minor light gray silicified sandstone beds; unit strongly fractured with limonite developed on all fracture surfaces;		0	0.8	25									
		0.8	4	100											
4.5	25.8	SANDSTONE: medium-dark gray, medium grained felspathic sandstone with felspar component generally altered to cream-green sericite; pyrite 0.5% pervasive as coarse disseminated grains and infilling most joints, often degraded to limonite; occasional 5-10mm. white quartz veins; core generally very broken but a few competent intervals;		4	5.3	90									
		5.3	8.3	100											
		8.3	9.8	40											
		9.8	17.3	100											
		17.3	18.8	80											
		18.8	25.7	100											
25.8	26.5	FAULT: first 200mm. massive cream clay, followed by 200mm. soft brecciated shales? in clayey matrix; followed by 300mm. brecciated sandstone with clasts up to 30mm. embedded in dark fine grained matrix;		25.7	26.9	100			25.8	26.8	<0.01		59	155	4
26.5	28.5	SANDSTONE: intensely silicified and altered pyrite and felspathic sandstone, possibly part of the fault zone;		26.9	28.5	100									
28.5	30.2	QUARTZ VEIN: massive white crystalline quartz vein with minor brecciated fragments of sandstone-shale; clots of coarse pyrite 0.2-0.5%; core very broken;		28.5	30.2	100			28.4	29.2	<0.01		94	20	4
								29.2	30.2	<0.01			25	20	<3
30.2	37.5	QUARTZ VEINED SANDSTONE: light gray, medium grained sandstone with altered felspathic component;		30.2	37.5	100									

338064

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 39

Commenced:	December 95
Completed:	January 96
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn adjacent to the southern tip of the old tunnel from the open cut.

Comments on Completion
A 33m thick skarn zone was intersected, the top 19.6m. of which averaged 2.95 g/t Au; the bottom 4 m. of this zone averaged 9.7 Au; unit represent the SW extension of the mineralisation intersected in the main Stormont Mine open cut and adit;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5405916.5	418876.1	639.9	-70	074

Length (m)
61.5

Hole Size	
To (m)	Size
61.5	HQ

Significant Core Loss Zones		
From	To	%Rec.

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Au d1	Zn	Bi	Mo		
0.0	19.6	100	complex skarn zone containing variable magnetite	19.6	2.95		186	944	9		
15.6	19.6	100	magnetite skarn	4.0	9.7	9.54	118	3495	4		

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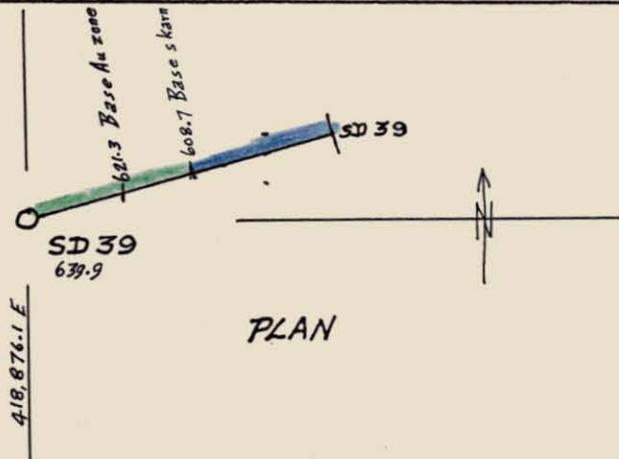
DOWN HOLE SURVEY DATA

COMPANY: Goldstream Mining-Titan Resources
PROJECT: Stormont Mine
HOLE NUMBER: SD 39

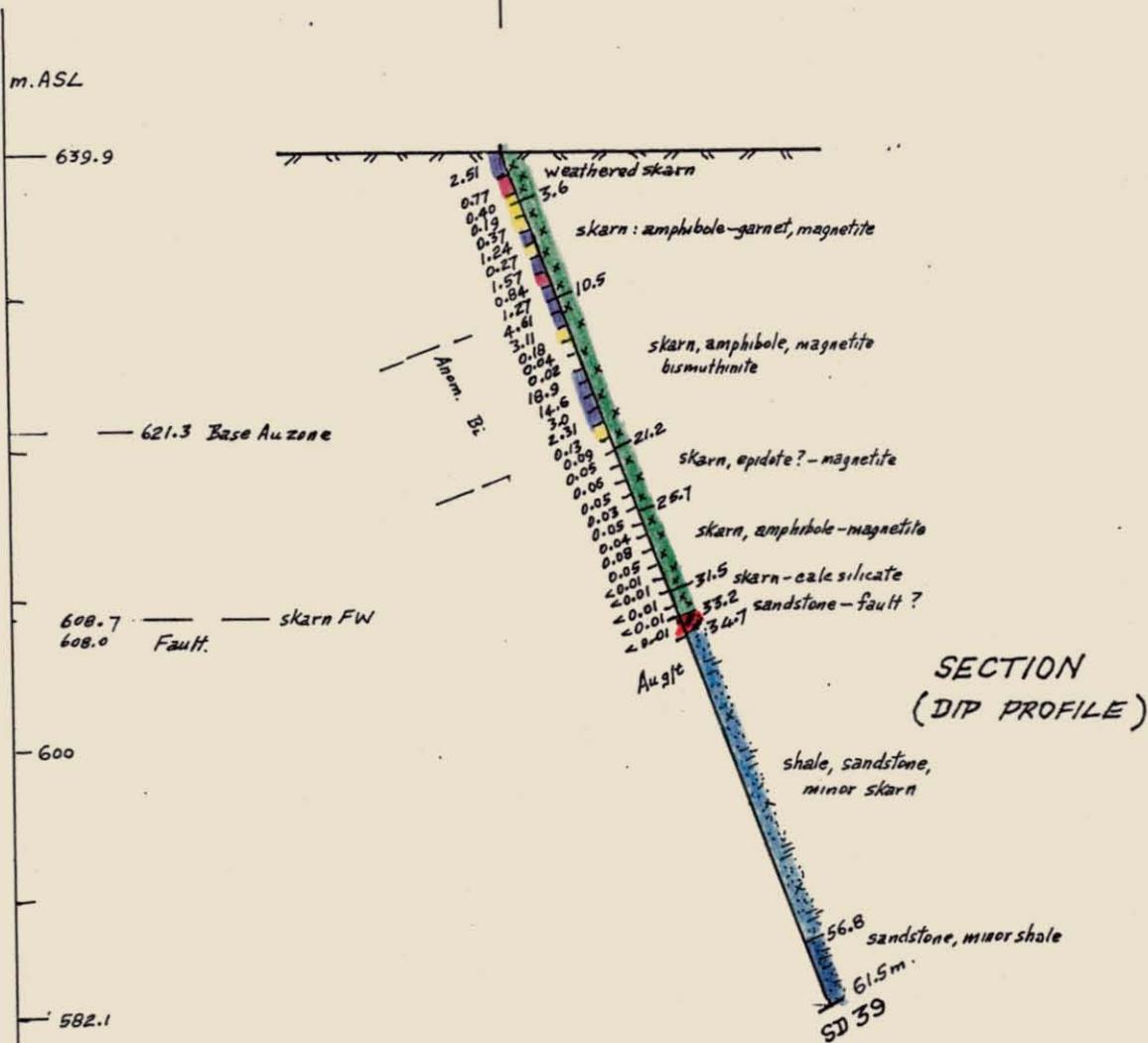
Depth (m)	Dip	Bearing (AMG)	Interval		Length (D)	Vertical Distance		Horizontal Distance		Co-ordinates			
			From	To		D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-70	74					639.90		0.00		5,405,916.5		418,876.1
0	-70	74	0	30.75	30.75	28.90	611.00	10.52	10.52	2.90	5,405,919.4	10.11	418,886.2
61.5	-70	74	30.75	61.5	30.75	28.90	582.11	10.52	21.03	2.90	5,405,922.3	10.11	418,896.3
61.5													
no down hole surveys													
hole assumed straight													

003067

5,405,916.5 N



PLAN



SECTION (DIP PROFILE)

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L.20/92-STORMONT AREA		
DDH SD 39		
10m.	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0	3.6	WEATHERED SKARN: green-orange intensely weathered skarn; all joint and fracture surfaces coated with steel gray hematite?/ manganese or possibly a bismuth sulfur salt; minor wispy magnetite in places;		0	3.6	100		0	1.6	2.51	3.15		380	840	48
								1.6	3.1	0.77	0.76		300	280	18
								3.1	3.7	0.4			320	125	16
3.6	10.5	SKARN: very dense green (augite/? actinolite) skarn with pink patches (garnet/? idocrase) with some streaky zones of hematite/magnetite; several intensely weathered limonitic zones are more magnetite rich; trace? bismuthinite;		3.6	10.5	100		3.7	4.7	0.19			170	110	4
								4.7	5.6	0.37			280	195	4
								5.6	6.6	1.24	1.28		135	360	<3
								6.6	7.6	0.27			53	20	<3
								7.6	8.6	1.57	1.75		82	170	4
								8.6	9.6	0.84	0.78		48	115	6
								9.6	10.6	1.27	1.17		56	135	10
10.5	21.2	MAGNETITE SKARN: streaky green (diopside-actinolite?) and reddish brown hematite-magnetite skarn; bismuthinite associated with magnetite; core competent, few weathered and broken limonitic zones;		10.5	21.2	100		10.6	11.6	4.61	4.45		170	780	4
								11.6	12.6	3.11	2.84		560	740	4
								12.6	13.6	0.18			160	40	4
								13.6	14.6	0.04			95	15	<3
								14.6	15.6	0.02			145	20	4
								15.6	16.6	18.9	19.2		110	7300	4
21.2	25.7	SKARN: magnetite- diopside-epidote-garnet/idocrase skarn; magnetite concentrated in abundant thin veinlets 30-40 CA; also bands green honey colored mineral, ? epidote;		21.2	25.7	100		16.6	17.6	14.6	13.9	13	83	3800	<3
								17.6	18.6	3	2.67		125	880	4
								18.6	19.6	2.31	2.39		155	2000	4
								19.6	20.6	0.13			135	660	6
								20.6	21.6	0.09			135	55	4
								21.6	22.6	0.05			105	30	<3
								22.6	23.6	0.06			135	200	4
25.7	31.5	SKARN: magnetite-actinolite-augite skarn, dark gray - black, with some lighter green- pink (epidote/idocrase/garnet) skarn; several greisen veins consisting of soft white fibrous mineral and white saccharoidal mineral;		25.7	31.5	100		23.6	24.6	0.05			320	45	<3
								24.6	25.6	0.03			105	25	<3
								25.6	26.6	0.05			130	40	4
								26.6	27.6	0.04			185	25	4
								27.6	28.6	0.08			300	260	6
								28.6	29.6	0.05	Sn	W	115	200	4
								29.6	30.6	<0.01	105	70	130	480	4
								30.6	31.6	<0.01	62	<10	85	260	<3
31.5	33.2	INTERBEDDED CALC SILICATE-SKARN: Interbedded dark green mottled diopside skarn and light brown epidote ? calc silicate rocks; BCA 65;		31.5	33.2	100		31.6	32.6	0.01	45	15	155	195	4
								32.6	33.2	<0.01	19	<10	110	45	<3

003009

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 40

Commenced:	February 96
Completed:	February 96
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn west of the Stormont open cut

Comments on Completion
.hole collared in the immediate FW of the main Stormont skarn zone and therefore failed to intersect skarn;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5,405,919.4	418,853.2	639.1	-90	-

Length (m)
48.8

Hole Size	
To (m)	Size
48.8	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	1.2	8

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;.

Summary of Results:

Depth		Recovery	Description	Assays					
From	To	%		Length	Au	Au d l	Zn	Bi	Mo

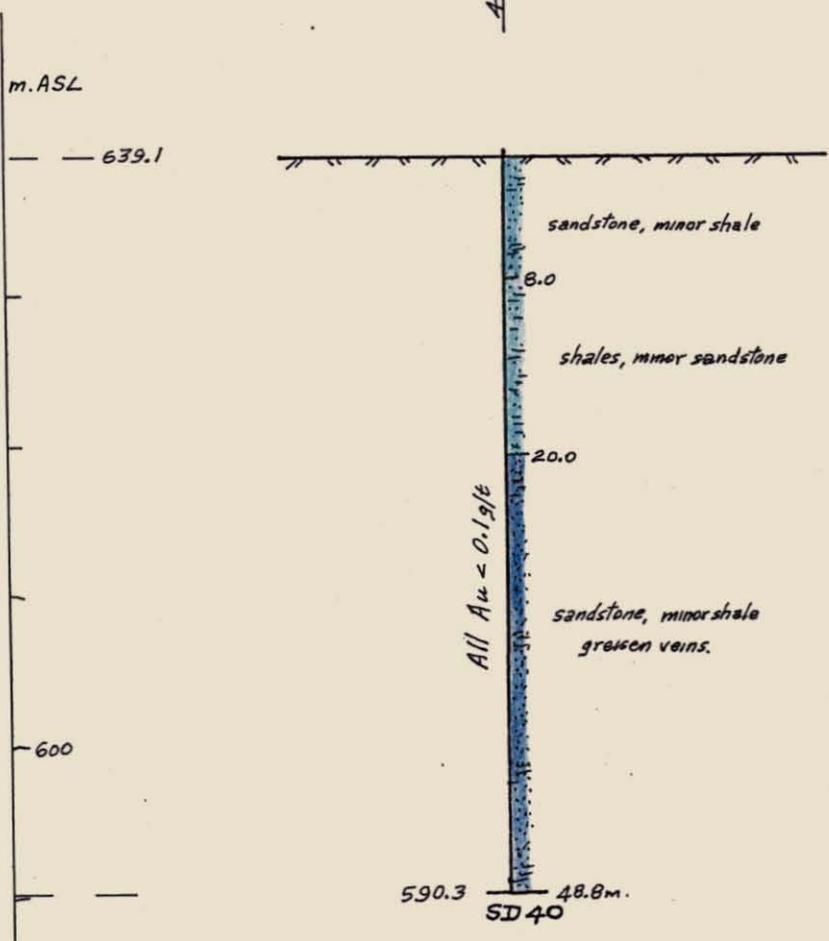
5,405,919.4N

0
SD 40
639.1



PLAN

A18,853.8E



SECTION

5 cm

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92 - STORMONT AREA		
DDH SD 40		
10m.	20m	Scale: 1:500
Drawn: L.A. Newnham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays											
From	To		From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo			
0.0	8.0	PYRITIC SANDSTONE with minor shale beds; light-dark gray medium grained altered sandstone, with minor shale beds having a mottled streaky appearance; pervasive pyritisation and greisenisation of sandstone; unit cut by network abundant greisen microveins, typically approximately 70 CA; veins extensively leached but appear to have consisted of pyrite, mica, fluorite and quartz; minor granular magnetite associated with greisen veins; 1-2% pervasive pyrite in sandstone as disseminated grains and aggregates; extensive leaching of pyrite results in limonitic coating on all joint and vein surfaces; core reasonably competent and gradational with unit below;	0.0	1.2	9				1.2	2.1	<0.01	<0.01			44	100	4		
			1.2	8.0	100					2.1	3.0	0.01				38	50	6	
											3.0	4.0	<0.01				39	65	6
											4.0	5.0	<0.01				70	85	6
											5.0	6.0	0.01				44	145	8
											6.0	7.0	<0.01				47	125	8
											7.0	8.0	0.02				83	220	6
8.0	20.0	SHALES, minor SANDSTONE: gradational with unit above; gray shales altered to light gray-cream shales in places; interbedded with minor mottled brown-gray fine grained altered sandstones; BCA 50-55; thin greisen veins parallel to bedding, consisting of mica, quartz, pyrite, fluorite and possible topaz; 1-2% pervasive pyrite disseminated in shale; 3-5% pyrite in sandstone beds as disseminated grains and aggregates; gradational with unit below;	8.0	20.0	100				19.5	20.5	0.01				120	200	<3		
20.0	48.8	SANDSTONE, minor SHALE, GREISEN VEINS: dark gray, medium grained sandstone, altered and mottled appearance in part; several dark gray shale beds, principal one 32.7-36.0 m; BCA in shales 50-55, but sandstones tend to	20.0	48.8	100				27.0	28.0	0.03			43	25	<3			
										47.5	48.5	0.01			11	<5	4		

008073

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 41

Commenced:	February 96
Completed:	February 96
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the mineralised skarn west of the Stormont open cut

Comments on Completion
.hole collared close to the FW of the main Stormont skarn zone; only 3.6 m.of skarn thus intersected which was low in gold and moderately Bi anomalous; hole collared just beneath main gold zone mined to the immediate east;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5,405,959.6	418,838.5	630.0	-70	56

Length (m)
48.1

Hole Size	
To (m)	Size
48.1	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	1.5	50

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;.

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Au d1	Zn	Bi	Mo		

000075

DOWN HOLE SURVEY DATA

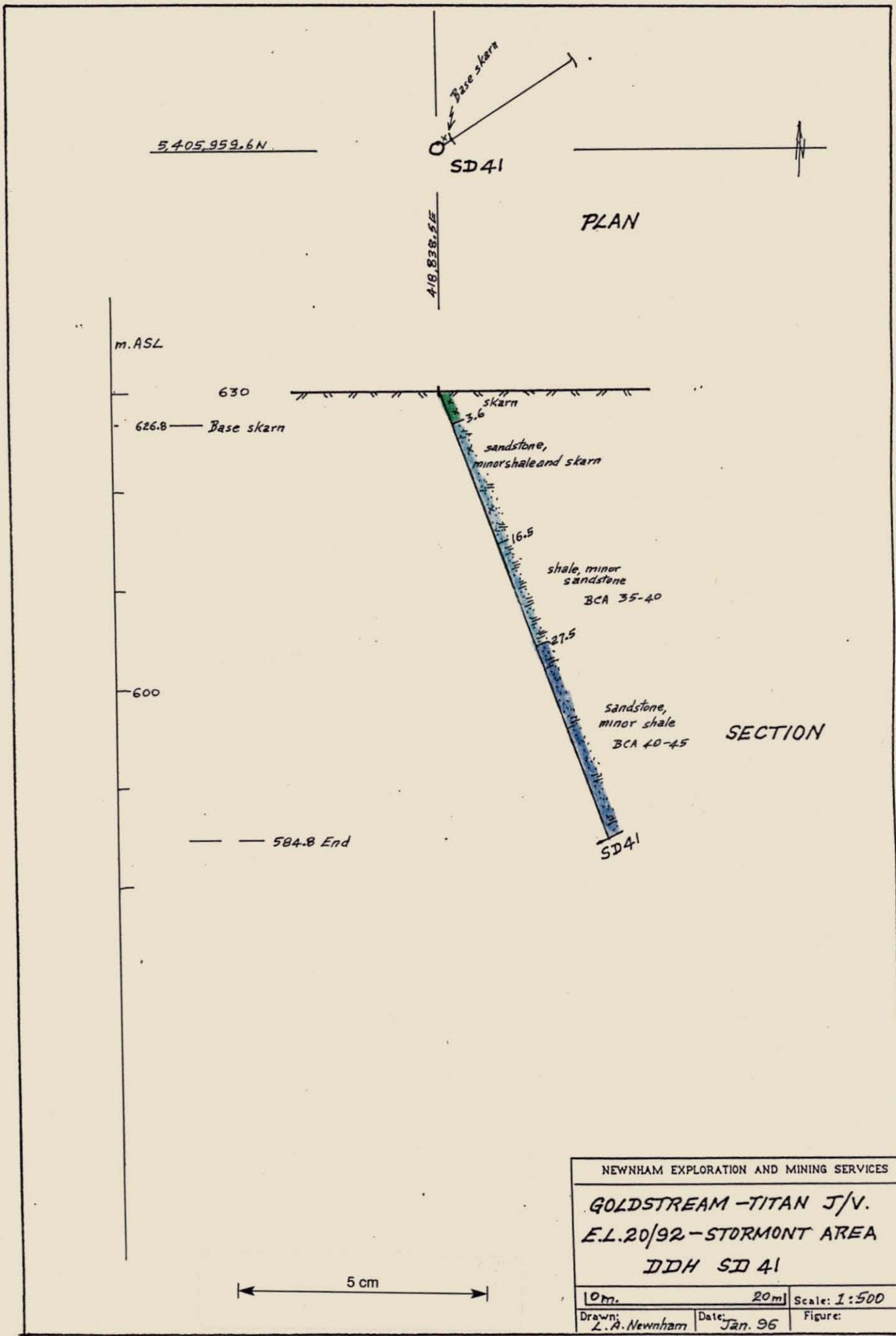
COMPANY: Goldstream Mining-Titan Resources

PROJECT: Stormont Mine

HOLE NUMBER: SD 41

Depth (m)	Dip	Bearing (AMG)	Interval		Length (D)	Vertical Distance		Horizontal Distance		Co-ordinates			
			From	To		D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-70	56					630.00		0.00		5,405,959.6		418,838.5
0	-70	56	0	24.05	24.05	22.60	607.40	8.23	8.23	4.60	5,405,964.2	6.82	418,845.3
48.1	-70	56	24.05	48.1	24.05	22.60	584.80	8.23	16.45	4.60	5,405,968.8	6.82	418,852.1
48.1													
no down hole surveys													
hole assumed straight													

333070



NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
E.L. 20/92 - STORMONT AREA		
DDH SD 41		
10m.	20m	Scale: 1:500
Drawn: L.A. Newham	Date: Jan. 96	Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0.0	3.6	SKARN, minor QUARTZITE: 0-1.5 m: dark gray-black rubbly limonitic skarn; magnetite-diopside? skarn with weathering of pyroxenes and pyrite producing limonitic staining; 1.5-2.6 m: fresher, more competent equivalent of the above; abundant 1-5 mm. greisen veins, with quartz-fluorite cores and mica-magnetite selvages; veins typically 30 CA; 2.6-3.6 m: mixed zone of quartzite and skarn; skarn dominantly large masses light brown-white translucent fibrous amphibole (tremolite), cut by numerous thin greisen veins; gradational with unit below;													
		0.0	1.5	50				0.0	1.5	0.01			130	80	<3
		1.5	3.6	100				1.5	2.2	0.03			94	480	4
								2.2	3.0	0.03			99	300	6
								3.0	4.0	0.02			145	160	6
								4.0	5.0	0.01			71	300	4
								5.0	6.0	0.01			73	120	6
								6.0	7.0	0.01			32	115	4
								7.0	8.0	<0.01			17	20	6
								8.0	9.0	<0.01			19	25	4
								9.0	10.0	<0.01			25	85	6
								10.0	11.0	<0.01	<0.01		37	130	4
								11.0	12.0	<0.01			46	220	6
3.6	16.5	SANDSTONE, minor SHALE AND SKARN: fine-medium grained sandstone, color controlled by style and intensity of alteration; light-dark gray units mixed with mottled green-cream units; patches of fibrous amphibole-magnetite skarn in top of section; thin beds light gray-brown mottled shale in lower half of interval; abundant 1-5 mm. greisen veins to 10 m., then gradually diminishing down hole; veins generally 40 CA; magnetite-quartz-topaz?-fluorite-mica; in some sections constitute up to 10% of core; 1-2% pervasive disseminated pyrite in sandstone; all joint and fracture surfaces limonite coated; gradational with unit below;													
		3.6	16.5	100											
16.5	27.5	SHALE, minor SANDSTONE BEDS: light-dark gray shale with thin beds mottled gray-green fine-medium grained sandstone; mottled nature of shale combined with clots fluorite-topaz? and amphiboles indicates													
		16.5	27.5	100											

033078

COMPANY: Goldstream-Titan
 PROJECT: Stormont Mine
 HOLE NUMBER: SD 41

Description		Core Recovery			RQD			Assays								
From	To		From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
16.5 cont.....	27.5	strong alteration and introduction of iron - fluorine rich metasomatic fluids; thin greisen veins widely spaced throughout; 1-2% pervasive pyrite as coarse disseminated grains and aggregates; BCA uniform 35-40;														
27.5	48.1	SANDSTONE minor SHALE BEDS: gradational with unit above; similar with unit above but proportion of sandstone dominant to shale; mottled texture suggests intense iron-fluorine metasomatism; 1-2% pervasive pyrite as disseminated grains and aggregates; minor wide spaced greisen veins, generally altered to brown clay and quartz; BCA 40-45; core extensively broken in some intervals but these represent more intensely altered intervals rather than fault zones;	27.5	48.1	100											
		END OF HOLE														

020882

COMPANY: Goldstream-Titan
PROJECT: Stormont Mine
HOLE NUMBER: SD 42

Commenced:	February 96
Completed:	February 96
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test for gold in the possible extension of the main skarn to the north of the Stormont open cut;

Comments on Completion
.collared in the immediate FW of the main Stormont skarn zone; top 2.3 m gold anomalous (0.58 Au) but recovers very poor and probably drilled through drainage channel and dump material associated with the former open cut;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5,406,000.1	418,828.7	623.7	-70	86

Length (m)
40.3

Hole Size	
To (m)	Size
40.3	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	2.3	23

Hole Condition on Completion
all rods and casing were withdrawn from the hole and a PVC collar pipe installed;

Summary of Results:

Depth		Recovery	Description	Assays					
From	To	%		Length	Au	Au d1	Zn	Bi	Mo

003000

DOWN HOLE SURVEY DATA

COMPANY: Goldstream Mining-Titan Resources
PROJECT: Stormont Mine
HOLE NUMBER: SD 42

Depth (m)	Dip	Bearing (AMG)	Interval		Length (D)	Vertical Distance		Horizontal Distance		Co-ordinates			
			From	To		D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-70	86					623.70		0.00		5,406,000.1		418,828.7
0	-70	86	0	20.15	20.15	18.93	604.77	6.89	6.89	0.48	5,406,000.6	6.87	418,835.6
40.3	-70	86	20.15	40.3	20.15	18.93	585.83	6.89	13.78	0.48	5,406,001.1	6.87	418,842.4
40.3													
no down hole surveys													
hole assumed straight													

130853

5,406,000.1 N.

623.7 SD42

Fault? 594.5

418,628.7 E

PLAN

m. ASL

623.7

620

600

594.5 fault?

585.8 R.L. End.

poor recovery; possible mullock.

0.58

2.3

sandstone

All A₁ < 0.5% Fe

11.0

shale, minor sandstone

6.5

sandstone, minor shale

21.0 chert

29.0 quartz veins

30.6

? fault zone

quartz veined sandstone

40.3 SD42

SECTION

5 cm

NEWNHAM EXPLORATION AND MINING SERVICES

GOLDSTREAM-TITAN J/V.
E.L.20/92-STORMONT AREA
DDH SD 42

10m. 20m Scale: 1:500

Drawn: L.A. Newnham Date: Jan. 96 Figure:

Description		Core Recovery			RQD			Assays							
From	To	From	To	%	From	To	%	From	To	Au	Au d1	Au d2	Zn	Bi	Mo
0.0	11.0	ALTERED SANDSTONE: 0-2.3 m.: very poor recovery; driller thought he may have been drilling through old drainage channel from the open-cut; mottled greisenised and silicified fine grained sandstone and calc-silicates; occasional degraded clayey shale beds; BCA 45; mottled appearance of sandstones due to large patches amphiboles/pyroxene ?; 0.5-1% disseminated pyrite; generally very broken; gradational with unit below;													
		0.0	2.3	23				0.0	2.3	0.58	0.44		89	280	<3
		2.3	7.6	100				2.3	3.5	0.01			61	<5	6
		7.6	8.7	82				3.5	4.5	0.01			66	<5	6
		8.7	10.4	100				4.5	5.5	0.01			90	<5	6
		10.4	11.2	88				5.5	6.5	0.01			165	<5	<3
11.0	16.5	SHALE minor SANDSTONE: brown-purple shales, strongly metasomatised with large clots/augens of fibrous amphibole developed throughout; core broken along bedding planes and several joint directions; BCA variable 40-50; 0.5-1% pervasive coarse euhedral pyrite;													
		11.2	16.7	100											
16.5	27.0	ALTERED SANDSTONE and minor SHALE: dark gray metasomatised sandstone with large irregular patches amphibole and topaz? /fluorite?; minor beds altered brown shale; thin clay filled veins, with or without pyrite, possibly weathered greisen veins;													
		16.7	18.3	86				16.7	18.3						
		18.3	27.0	100				26.0	27.0	0.01			105	<5	6
								27.0	28.0	<0.01			37	<5	6
								28.0	29.0	<0.01			46	<5	6
								29.0	30.0	<0.01			105	10	6
								30.0	31.0	<0.01			90	30	8
27.0	29.0	'CHERT': light gray intensely silicified fine grained sediment with some white quartz veins; very broken; some sections appear to be silicified sandstone;													
		27.0	29.0	100											
29.0	30.6	QUARTZ VEINS: massive white quartz veins cutting altered very broken sandstone; <0.5% disseminated pyrite in quartz veins;													
		29.0	30.6	100											

238083

APPENDIX B
Assay Sheets

MINERAL CHEMISTRY

Amdel Laboratories Ltd
PO Box 338
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Facsimile (08) 234 0321

Mr Lindsay Newnham
Newnham Exploration & Mining Services
PO Box 132
RIVERSIDE 7250

3000000

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number : 5AD4583

Sample rec'd : 29/11/95

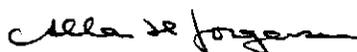
Results reported : 07/12/95

No. of samples : 76

Report comprises a cover sheet and pages 1 to 2

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:



for
Alan Ciplys
Manager - Mineral Chemistry
AMDEL LABORATORIES ADELAIDE

Report Codes:

N.A. - Not Available.

L.N.R. - Listed But Not Received.

I.S. - Insufficient Sample.

Distribution Codes:

CC - Carbon Copy

EM - Electronic Media

MM - Magnetic Media

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Au Dp2	Zn	Bi	Mo
SD30: 9.6-11.1	<0.01	0.01	--	64	<5	<3
SD30: 11.1-12.6	0.04	--	--	48	<5	<3
SD30: 13.1-15.6	<0.01	--	--	37	<5	<3
SD30: 15.6-17.1	<0.01	--	--	43	<5	<3
SD30: 17.1-18.6	0.05	--	--	110	<5	<3
SD30: 18.6-20.1	<0.01	--	--	145	<5	<3
SD30: 20.1-21.6	<0.01	--	--	400	<5	<3
SD30: 21.6-23.1	<0.01	--	--	780	5	<3
SD30: 23.1-24.7	<0.01	--	--	2500	10	<3
SD30: 24.7-26.0	<0.01	--	--	720	5	<3
SD30: 26.0-27.0	<0.01	--	--	340	<5	<3
SD30: 27.0-28.0	0.34	0.45	0.40	360	60	<3
SD30: 28.0-29.0	<0.01	--	--	740	<5	<3
SD30: 29.0-30.0	<0.01	--	--	660	10	<3
SD30: 30.0-31.0	0.04	--	--	680	<5	<3
SD30: 31.0-32.5	<0.01	--	--	400	<5	<3
SD30: 32.5-33.5	<0.01	--	--	320	<5	<3
SD30: 33.5-34.5	<0.01	--	--	280	10	<3
SD30: 34.5-35.5	<0.01	--	--	220	5	<3
SD30: 35.5-36.5	<0.01	--	--	280	<5	<3
SD30: 36.5-37.5	<0.01	<0.01	--	220	<5	<3
SD30: 37.5-38.5	<0.01	--	--	240	15	<3
SD30: 38.5-39.5	<0.01	--	--	260	10	<3
SD30: 39.5-40.5	<0.01	--	--	200	<5	<3
SD30: 40.5-41.5	0.04	0.03	0.04	280	<5	<3
SD30: 41.5-42.5	<0.01	--	--	185	<5	<3
SD30: 42.5-43.5	<0.01	--	--	120	<5	<3
SD30: 43.5-44.5	<0.01	--	--	220	<5	<3
SD30: 44.5-45.5	<0.01	--	--	91	<5	<3
SD30: 45.5-46.5	0.01	<0.01	<0.01	320	<5	<3
SD30: 46.5-47.5	0.02	<0.01	--	65	<5	<3
SD30: 47.5-48.5	<0.01	--	--	135	<5	<3
SD30: 48.5-49.5	<0.01	--	--	110	<5	<3
SD30: 49.5-50.5	0.04	--	--	115	5	<3
SD30: 50.5-51.5	0.02	--	--	83	5	<3
SD30: 51.5-52.5	0.03	--	--	83	<5	<3
SD30: 53.5-54.5	<0.01	<0.01	--	44	<5	<3
SD30: 56.5-57.5	0.16	0.17	--	97	5	<3
SD30: 57.5-58.5	<0.01	--	--	83	5	4
SD30: 58.5-59.5	<0.01	--	--	280	5	<3
SD30: 64.5-65.5	0.04	<0.01	--	145	10	<3
SD30: 68.0-69.0	<0.01	--	--	99	20	<3
SD30: 69.0-70.0	<0.01	--	--	160	10	<3
SD31: 5.0- 6.5	0.03	--	--	13	10	4
SD31: 6.5- 8.0	<0.01	--	--	17	35	<3

UNITS	ppm	ppm	ppm	ppm	ppm	ppm
DET. LIM	0.01	0.01	0.01	2	5	3
SCHEME	FA1	FA1	FA1	IC1E	IC1E	IC1E

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Au Dp2	Zn	Bi	Mo
SD31: 8.0- 9.5	0.04	--	--	140	600	8
SD31: 9.5-11.0	0.07	--	--	240	50	<3
SD31: 11.0-12.5	<0.01	--	--	125	15	<3
SD31: 12.5-14.0	<0.01	--	--	360	10	<3
SD31: 14.0-15.0	0.06	--	--	360	10	<3
SD31: 15.0-16.0	0.04	--	--	190	20	<3
SD31: 16.0-17.0	<0.01	--	--	180	<5	<3
SD31: 17.0-18.0	0.11	--	--	900	20	<3
SD31: 18.0-19.0	0.03	--	--	460	15	<3
SD31: 19.0-20.0	<0.01	--	--	320	<5	<3
SD31: 20.0-21.0	<0.01	--	--	360	<5	<3
SD31: 21.0-23.0	<0.01	--	--	320	<5	<3
SD31: 23.0-24.0	<0.01	--	--	280	<5	<3
SD31: 24.0-25.0	<0.01	--	--	155	<5	<3
SD31: 25.0-26.0	0.05	--	--	105	<5	<3
SD31: 26.0-27.0	<0.01	0.02	--	150	65	<3
SD31: 27.0-28.0	<0.01	--	--	105	5	<3
SD31: 28.0-29.0	<0.01	--	--	105	45	<3
SD31: 29.0-30.0	0.01	0.01	--	110	440	12
SD31: 30.0-31.0	<0.01	--	--	110	400	6
SD31: 31.0-32.0	<0.01	--	--	83	140	<3
SD31: 32.0-33.0	0.07	--	--	72	500	<3
SD31: 33.0-34.0	<0.01	--	--	85	320	4
SD31: 34.0-35.0	0.11	--	--	110	175	<3
SD31: 35.0-36.0	0.06	--	--	145	340	<3
SD31: 36.0-37.0	0.08	--	--	80	185	<3
SD31: 37.0-38.0	0.02	--	--	71	240	4
SD31: 38.0-39.0	0.05	--	--	155	195	<3
SD31: 39.0-40.0	<0.01	--	--	170	200	<3
SD31: 40.0-41.0	<0.01	--	--	110	520	4
SD31: 41.0-42.0	<0.01	<0.01	<0.01	155	380	4

UNITS	ppm	ppm	ppm	ppm	ppm	ppm
DET. LIM	0.01	0.01	0.01	2	5	3
SCHEME	FA1	FA1	FA1	IC1E	IC1E	IC1E

MINERAL CHEMISTRY

Amdel Laboratories Ltd
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Facsimile (08) 234 0321

Mr Lindsay Newnham
Newnham Exploration & Mining Services
PO Box 132
RIVERSIDE 7250

000000

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number : 5AD4671

Sample rec'd : 07/12/95
No. of samples : 38

Results reported : 18/12/95

Report comprises a cover sheet and pages 1 to 1

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:

Chris Altman

for
Alan Ciplis
Manager - Mineral Chemistry
AMDEL LABORATORIES ADELAIDE

CC Goldstream Mining WEST PERTH

Report Codes:
N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media



233090

Job: 5AD4671
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Zn	Bi	Mo
SD31: 42.0-43.0	0.02	0.01	100	260	<3
SD31: 43.0-44.0	0.01	--	71	160	<3
SD31: 44.0-45.0	0.01	--	33	30	4
SD31: 45.0-46.0	<0.01	--	42	50	6
SD31: 46.0-47.0	<0.01	--	125	135	<3
SD31: 47.0-48.0	<0.01	--	125	240	<3
SD31: 48.0-49.0	<0.01	--	80	65	<3
SD31: 49.0-50.0	<0.01	--	74	75	<3
SD31: 50.0-51.0	<0.01	--	85	30	<3
SD31: 51.0-52.0	<0.01	--	115	50	<3
SD32: 24.0-25.0	<0.01	--	155	50	<3
SD32: 25.0-26.0	<0.01	--	65	5	<3
SD32: 26.0-27.0	<0.01	--	58	<5	<3
SD32: 27.0-28.0	<0.01	--	175	<5	<3
SD32: 28.0-29.0	<0.01	--	500	<5	<3
SD32: 29.0-30.0	<0.01	--	280	25	<3
SD32: 30.0-31.0	<0.01	--	135	5	<3
SD32: 31.0-32.0	<0.01	--	120	<5	<3
SD32: 32.0-33.0	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SD32: 41.0-42.0	0.02	--	105	700	<3
SD32: 42.0-43.0	<0.01	<0.01	72	10	<3
SD32: 43.0-44.0	<0.01	--	61	15	<3
SD32: 44.0-45.0	0.01	--	110	95	<3
SD32: 45.0-46.0	<0.01	--	66	10	<3
SD32: 46.0-47.0	0.01	--	66	40	<3
SD32: 47.0-48.0	<0.01	--	99	25	<3
SD32: 48.0-49.0	<0.01	--	100	30	<3
SD32: 49.0-50.0	0.02	--	200	15	<3
SD32: 59.0-60.0	0.01	--	51	30	<3
SD33: 8.0- 9.5	0.04	--	54	30	<3
SD33: 9.5-11.0	0.02	--	33	<5	<3
SD33: 11.0-12.5	0.01	--	35	<5	<3
SD33: 12.5-14.0	0.02	--	39	<5	<3
SD33: 14.0-15.5	<0.01	--	85	<5	<3
SD33: 15.5-17.0	<0.01	--	540	<5	<3
SD33: 17.0-18.5	0.04	--	620	<5	<3
SD33: 18.5-20.0	0.02	--	4000	5	<3
SD33: 20.0-21.5	<0.01	--	860	10	<3

UNITS	ppm	ppm	ppm	ppm	ppm
DET. LIM	0.01	0.01	2	5	3
SCHEME	FA1	FA1	IC1E	IC1E	IC1E



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MINERAL CHEMISTRY

Amdel Laboratories Ltd
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ACN 009 076 555

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Facsimile (08) 234 0321

333091

Mr Lindsay Newnham
Newnham Exploration & Mining Services
PO Box 132
RIVERSIDE 7250

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number : 5AD4862

Sample rec'd : 22/12/95

Results reported : 24/01/96

No. of samples : 79

Report comprises a cover sheet and pages 1 to 2

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:

for
Alan Ciplys
Manager - Mineral Chemistry
AMDÉL LABORATORIES ADELAIDE

Report Codes:

N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:

CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Zn	Bi	Mo
SD32: 3.5- 5.0	0.04	0.01	6	40	<3
SD32: 5.0- 6.5	0.04	--	16	15	<3
SD32: 6.5- 8.0	0.02	--	14	10	<3
SD32: 8.0- 9.5	0.03	--	39	15	<3
SD32: 9.5-11.0	0.03	--	30	10	<3
SD32: 11.0-12.5	0.01	--	26	25	4
SD32: 12.5-14.0	0.01	--	30	30	<3
SD32: 14.0-15.5	<0.01	--	56	45	<3
SD32: 15.5-17.0	<0.01	--	54	20	<3
SD32: 17.0-18.5	<0.01	--	64	30	<3
SD32: 18.5-19.5	<0.01	--	66	10	<3
SD32: 19.5-20.5	<0.01	--	56	10	<3
SD32: 20.5-21.5	<0.01	--	34	10	<3
SD32: 21.5-23.0	<0.01	--	39	<5	<3
SD32: 23.0-24.0	<0.01	--	87	15	<3
SD32: 32.0-33.0	<0.01	--	110	5	<3
SD32: 33.0-34.0	<0.01	--	125	5	<3
SD32: 34.0-35.0	<0.01	--	78	<5	<3
SD32: 35.0-36.0	<0.01	--	96	55	<3
SD32: 36.0-37.0	<0.01	--	90	95	<3
SD32: 37.0-38.0	<0.01	<0.01	115	20	<3
SD32: 38.0-39.0	<0.01	--	82	40	<3
SD32: 39.0-40.0	<0.01	--	55	10	<3
SD32: 40.0-41.0	<0.01	--	105	65	<3
SD33: 21.5-23.0	<0.01	--	1300	15	<3
SD33: 23.0-24.5	<0.01	--	170	740	<3
SD33: 24.5-26.0	0.31	0.28	220	3300	8
SD33: 26.0-27.5	0.11	--	150	580	4
SD33: 27.5-29.0	9.00	8.60	320	1700	<3
SD33: 29.0-30.0	0.10	--	460	15	<3
SD33: 30.0-31.0	0.12	--	72	20	<3
SD33: 31.0-32.0	0.04	--	72	<5	<3
SD33: 32.0-33.0	0.09	--	105	<5	<3
SD33: 33.0-34.0	0.11	--	63	15	<3
SD33: 34.0-35.0	0.11	--	68	15	<3
SD33: 35.0-36.0	0.03	--	39	5	<3
SD33: 36.0-37.0	0.03	--	60	15	<3
SD33: 37.0-38.0	0.04	--	125	65	<3
SD33: 38.0-39.0	0.06	--	175	65	<3
SD33: 39.0-40.0	0.05	--	175	115	<3
SD33: 40.0-41.0	0.03	<0.01	115	260	4
SD33: 41.0-42.0	0.04	--	83	105	4
SD33: 42.0-43.0	0.02	--	105	145	<3
SD33: 43.0-44.0	0.03	--	145	110	<3
SD33: 44.0-45.0	0.03	--	125	360	4

UNITS	ppm	ppm	ppm	ppm	ppm
DET. LIM	0.01	0.01	2	5	3
SCHEME	FA1	FA1	IC1E	IC1E	IC1E



993093

Job: 5AD4862
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Zn	Bi	Mo
SD33: 45.0-46.0	0.02	--	98	200	<3
SD33: 46.0-47.0	0.01	--	100	135	4
SD33: 51.0-52.0	0.01	--	110	115	<3
SD33: 55.0-56.0	0.01	--	115	65	<3
SD33: 62.0-63.0	0.01	--	150	195	<3
SD34: 2.0- 4.4	0.01	--	39	<5	<3
SD34: 4.4- 6.3	<0.01	--	500	<5	<3
SD34: 6.3- 7.8	<0.01	--	620	<5	<3
SD34: 7.8- 9.5	<0.01	--	460	<5	<3
SD34: 9.5-11.2	0.14	0.08	280	<5	<3
SD34: 11.2-12.7	0.08	--	700	<5	<3
SD34: 12.7-13.9	0.06	--	1100	<5	<3
SD34: 13.9-15.8	0.01	--	240	<5	<3
SD34: 15.8-17.3	<0.01	--	640	5	<3
SD34: 17.3-18.8	0.04	--	580	<5	<3
SD34: 18.8-20.0	0.10	0.08	400	25	<3
SD34: 20.0-21.0	0.06	--	190	10	<3
SD34: 21.0-22.0	0.02	--	190	<5	<3
SD34: 22.0-23.0	<0.01	--	135	<5	<3
SD34: 23.0-24.0	<0.01	--	78	<5	<3
SD34: 24.0-25.0	<0.01	--	81	<5	<3
SD34: 25.0-26.0	<0.01	--	64	<5	<3
SD34: 26.0-27.0	0.10	--	48	<5	<3
SD34: 27.0-28.0	0.02	--	48	<5	<3
SD34: 28.0-29.0	<0.01	--	43	<5	<3
SD34: 29.0-30.0	0.01	--	41	<5	<3
SD34: 30.0-31.0	<0.01	--	44	85	<3
SD34: 31.0-32.0	0.01	--	56	320	<3
SD34: 32.0-33.0	0.01	--	52	320	<3
SD34: 33.0-34.0	<0.01	--	63	480	<3
SD34: 34.0-35.0	<0.01	--	105	340	4
SD34: 41.0-42.0	<0.01	--	70	110	<3
SD34: 45.0-46.0	<0.01	--	150	145	<3
SD34: 35.0-36.0	<0.01	--	80	95	<3

UNITS	ppm	ppm	ppm	ppm	ppm
DET. LIM	0.01	0.01	2	5	3
SCHEME	FA1	FA1	IC1E	IC1E	IC1E



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MINERAL CHEMISTRY

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333004

Mr Lindsay Newnham
Newnham Exploration & Mining Services
PO Box 132
RIVERSIDE 7250

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number : 6AD0125

Sample rec'd : 15/01/96

Results reported : 25/01/96

No. of samples : 94

Report comprises a cover sheet and pages 1 to 3

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:

Chris Altman

for
Alan Ciplys
Manager - Mineral Chemistry
AMDÉL LABORATORIES ADELAIDE

Report Codes:

N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:

CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media



333005

Job: 6AD0125
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Au Dp2	Zn	Bi	Mo
SD35: 22.5 - 23.5	0.01	0.02	--	125	130	<3
SD35: 23.5 - 24.5	<0.01	--	--	175	320	4
SD35: 24.5 - 25.5	<0.01	--	--	160	420	4
SD35: 25.5 - 26.5	<0.01	--	--	120	400	6
SD35: 29.0 - 30.0	<0.01	--	--	49	15	4
SD35: 30.0 - 31.0	<0.01	--	--	77	45	4
SD35: 31.0 - 31.7	<0.01	--	--	43	35	<3
SD35: 49.3 - 49.8	<0.01	--	--	78	15	<3
SD35: 63.0 - 64.0	<0.01	--	--	38	5	<3
SD35: 64.0 - 65.2	<0.01	--	--	42	<5	4
SD36: 0.0 - 2.2	4.19	3.72	--	460	500	6
SD36: 2.2 - 3.2	0.15	--	--	500	50	6
SD36: 3.2 - 4.2	0.27	--	--	440	60	4
SD36: 4.2 - 5.2	0.18	--	--	680	45	6
SD36: 5.2 - 6.7	0.45	0.50	--	520	60	4
SD36: 6.7 - 8.2	0.19	--	--	155	35	4
SD36: 8.2 - 9.7	0.07	--	--	200	15	<3
SD36: 9.7 - 10.2	0.21	--	--	320	40	<3
SD36: 10.2 - 11.2	0.87	0.79	--	540	145	6
SD36: 11.2 - 12.7	0.59	0.58	0.64	580	80	4
SD36: 12.7 - 14.2	0.12	0.10	--	1000	35	6
SD36: 14.2 - 15.7	4.19	3.44	--	480	560	6
SD36: 15.7 - 16.7	15.3	14.5	--	220	2400	4
SD36: 16.7 - 17.7	0.48	0.48	--	380	480	6
SD36: 17.7 - 18.7	0.72	0.76	--	185	1600	<3
SD36: 18.7 - 19.7	1.06	--	--	99	840	<3
SD36: 19.7 - 20.7	0.11	--	--	125	30	<3
SD36: 20.7 - 21.7	0.12	--	--	200	30	4
SD36: 21.7 - 22.7	0.16	--	--	130	20	<3
SD36: 22.7 - 23.3	0.13	--	--	110	25	4
SD36: 23.3 - 24.3	0.30	--	--	155	55	<3
SD36: 24.3 - 25.3	0.08	--	--	185	30	<3
SD36: 25.3 - 26.3	0.19	--	--	160	40	<3
SD36: 26.3 - 27.3	0.56	0.53	--	55	30	<3
SD36: 27.3 - 28.3	0.02	--	--	61	10	<3
SD36: 28.3 - 29.3	<0.01	--	--	66	15	<3
SD36: 29.3 - 30.3	<0.01	--	--	46	10	<3
SD36: 30.3 - 31.3	<0.01	--	--	36	15	<3
SD36: 31.3 - 32.3	0.02	--	--	145	25	<3
SD36: 32.3 - 33.3	0.11	--	--	90	150	4
SD36: 33.3 - 34.3	0.02	0.03	--	69	85	4
SD36: 34.3 - 35.3	0.02	--	--	86	20	<3
SD36: 35.3 - 36.3	<0.01	--	--	53	10	<3
SD36: 36.3 - 37.3	<0.01	--	--	69	110	4
SD36: 37.3 - 38.3	<0.01	--	--	91	50	4

UNITS	ppm	ppm	ppm	ppm	ppm	ppm
DET. LIM	0.01	0.01	0.01	2	5	3
SCHEME	FA1	FA1	FA1	IC1E	IC1E	IC1E



Final

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Au Dp2	Zn	Bi	Mo
SD37: 13.7 - 14.5	<0.01	--	--	91	15	<3
SD37: 14.5 - 15.5	<0.01	--	--	46	10	<3
SD37: 15.5 - 16.5	0.01	--	--	83	<5	<3
SD37: 16.5 - 17.5	<0.01	--	--	66	<5	<3
SD37: 17.5 - 18.5	<0.01	--	--	68	20	4
SD37: 18.5 - 19.5	<0.01	--	--	52	20	<3
SD37: 19.5 - 20.5	<0.01	--	--	81	55	4
SD37: 20.5 - 21.5	<0.01	--	--	72	35	4
SD37: 21.5 - 22.5	<0.01	--	--	65	15	4
SD37: 22.5 - 23.5	0.02	--	--	200	25	6
SD37: 23.5 - 24.0	0.01	--	--	240	25	6
SD37: 24.0 - 25.0	0.01	--	--	300	30	6
SD37: 25.0 - 26.0	<0.01	--	--	100	25	6
SD37: 26.0 - 27.0	<0.01	--	--	100	25	6
SD37: 27.0 - 28.5	<0.01	--	--	135	25	6
SD37: 36.5 - 37.5	0.01	0.03	--	190	280	4
SD37: 38.0 - 39.0	0.01	--	--	190	1300	4
SD38: 25.8 - 26.8	<0.01	--	--	59	155	4
SD38: 28.4 - 29.2	<0.01	--	--	94	20	4
SD38: 29.2 - 30.2	<0.01	--	--	25	20	<3
SD39: 0.0 - 1.6	2.51	3.15	--	380	840	48
SD39: 1.6 - 3.1	0.77	0.76	--	300	280	18
SD39: 3.1 - 3.7	0.40	--	--	320	125	16
SD39: 3.7 - 4.7	0.19	--	--	170	110	4
SD39: 4.7 - 5.6	0.37	--	--	280	195	4
SD39: 5.6 - 6.6	1.24	1.28	--	135	360	<3
SD39: 6.6 - 7.6	0.27	--	--	53	20	<3
SD39: 7.6 - 8.6	1.57	1.75	--	82	170	4
SD39: 8.6 - 9.6	0.84	0.78	--	48	115	6
SD39: 9.6 - 10.6	1.27	1.17	--	56	135	10
SD39: 10.6 - 11.6	4.61	4.45	--	170	780	4
SD39: 11.6 - 12.6	3.11	2.84	--	560	740	4
SD39: 12.6 - 13.6	0.18	--	--	160	40	4
SD39: 13.6 - 14.6	0.04	--	--	95	15	<3
SD39: 14.6 - 15.6	0.02	--	--	145	20	4
SD39: 15.6 - 16.6	18.9	19.2	--	110	7300	4
SD39: 16.6 - 17.6	14.6	13.9	13.0	83	3800	<3
SD39: 17.6 - 18.6	3.00	2.67	--	125	880	4
SD39: 18.6 - 19.6	2.31	2.39	--	155	2000	4
SD39: 19.6 - 20.6	0.13	--	--	135	660	6
SD39: 20.6 - 21.6	0.09	--	--	135	55	4
SD39: 21.6 - 22.6	0.05	--	--	105	30	<3
SD39: 22.6 - 23.6	0.06	--	--	135	200	4
SD39: 23.6 - 24.6	0.05	--	--	320	45	<3
SD39: 24.6 - 25.6	0.03	--	--	105	25	<3

UNITS	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01	2	5	3
SCHEME	FA1	FA1	FA1	IC1E	IC1E	IC1E

Final

ANALYTICAL REPORT

SAMPLE	Au	Au	Dp1	Au	Dp2	Zn	Bi	Mo
SD39: 25.6 - 26.6	0.05	--	--			130	40	4
SD39: 26.6 - 27.6	0.04	--	--			185	25	4
SD39: 27.6 - 28.6	0.08	--	--			300	260	6
SD39: 28.6 - 29.6	0.05	--	--			115	200	4

UNITS	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01	2	5	3
SCHEME	FA1	FA1	FA1	IC1E	IC1E	IC1E

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333008

Mr Lindsay Newnham
Newnham Exploration & Mining Services
PO Box 132
RIVERSIDE TAS 7250

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number : 6AD0945

Sample rec'd : 27/02/96

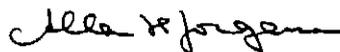
Results reported : 11/03/96

No. of samples : 83

Report comprises a cover sheet and pages 1 to 2

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:



for
Alan Ciplys
Manager - Mineral Chemistry
AMDEL LABORATORIES ADELAIDE

CC J Allender Goldstream Mining

Report Codes:
N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

Final

ANALYTICAL REPORT

↑
↓
Lugo

SAMPLE	Au	Au Dp1	Zn	Bi	Mo	Sn	W
SD39 29.6-30.6	<0.01	<0.01	130	480	4	105	70
SD39 30.6-31.6	<0.01	--	85	260	<3	62	<10
SD39 31.6-32.6	0.01	--	155	195	4	45	15
SD39 32.6-33.2	<0.01	--	110	45	<3	19	<10
SD39 33.2-34.7	<0.01	--	93	60	<3	17	<10
HS5 35.0-36.0	<0.01	--	53	<5	10	73	700
HS5 36.0-37.0	<0.01	--	58	<5	26	81	1200
HS5 37.0-38.0	<0.01	--	60	<5	14	99	220
HS5 38.0-39.0	<0.01	--	65	<5	18	84	65
HS5 39.0-40.0	0.01	--	48	<5	12	61	340
HS5 65.8-66.8	<0.01	--	110	<5	18	340	520
HS5 66.8-67.8	0.06	--	100	15	14	260	220
HS5 67.8-68.8	<0.01	--	54	<5	<3	400	80
HS5 68.8-69.8	0.03	--	80	10	<3	260	35
HS5 69.8-70.8	0.02	--	46	<5	<3	220	80
HS5 70.8-71.8	0.02	--	61	5	<3	360	<10
HS5 71.8-72.8	<0.01	--	61	<5	<3	340	35
HS5 72.8-73.8	0.01	--	69	<5	<3	280	30
HS5 73.8-74.8	0.04	--	91	10	6	240	20
HS5 74.8-75.8	0.09	--	120	15	8	380	<10
HS5 75.8-76.8	0.01	<0.01	65	<5	<3	400	<10
HS5 76.8-77.8	0.03	--	760	40	<3	175	90
HS5 100.5-101.5	0.01	--	67	<5	820	72	2600
HS5 104.5-105.5	<0.01	--	69	5	62	135	135
HS5 105.5-106.5	<0.01	--	155	15	600	240	85
HS5 107.0-108.0	<0.01	--	220	10	195	340	165
HS5 108.0-109.0	<0.01	--	220	<5	80	240	80
HS5 111.6-112.6	<0.01	--	110	<5	720	60	440
HS5 114.6-115.6	<0.01	--	89	<5	440	52	7700
HS5 115.6-116.6	<0.01	--	64	<5	16	57	100
HS5 123.0-124.0	<0.01	--	40	<5	115	26	70
HS5 124.0-125.0	<0.01	--	41	<5	30	37	125
HS5 127.5-128.9	<0.01	--	40	<5	280	24	2200
HS5 131.5-132.5	<0.01	--	72	5	110	62	5100
HS5 133.5-134.5	0.01	--	100	25	20	60	110
HS5 135.4-136.9	<0.01	--	48	<5	18	42	720
HS6 0.0-3.7	<0.01	--	640	10	8	110	30
HS6 5.2-6.2	<0.01	--	125	<5	6	300	40
HS6 6.2-7.2	<0.01	--	125	<5	<3	26	<10
HS6 7.2-8.2	0.02	--	46	<5	<3	20	20
HS6 8.2-9.2	0.01	<0.01	150	20	20	135	50
HS6 9.2-10.2	0.01	--	150	10	10	115	25
HS6 10.2-11.2	0.01	--	200	10	6	135	35
HS6 11.2-12.2	0.01	--	240	10	12	175	25
HS6 12.2-13.2	0.01	--	240	5	4	63	50
HS6 13.2-14.2	0.01	--	320	5	6	90	105
HS6 14.2-15.2	<0.01	--	240	5	48	92	85
HS6 15.2-16.2	0.01	--	1500	10	52	99	380
HS6 16.2-18.0	<0.01	--	105	15	12	560	240
HS6 18.0-19.0	<0.01	--	150	10	4	700	240

UNITS	ppm						
DET. LIM	0.01	0.01	2	5	3	4	10
SCHEME	FA1	FA1	IC1E	IC1E	IC1E	XRF1	XRF1

MINERAL CHEMISTRY

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Mr Lindsay Newnham
Newnham Exploration & Mining Services
PO Box 132
RIVERSIDE TAS 7250

333100

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number : 6AD1233

Sample rec'd : 15/03/96

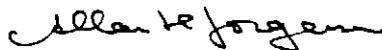
Results reported : 25/03/96

No. of samples : 89

Report comprises a cover sheet and pages A:1 to 2,B:1 to 2

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:



for
Alan Ciplys
Manager - Mineral Chemistry
AMDEL LABORATORIES ADELAIDE

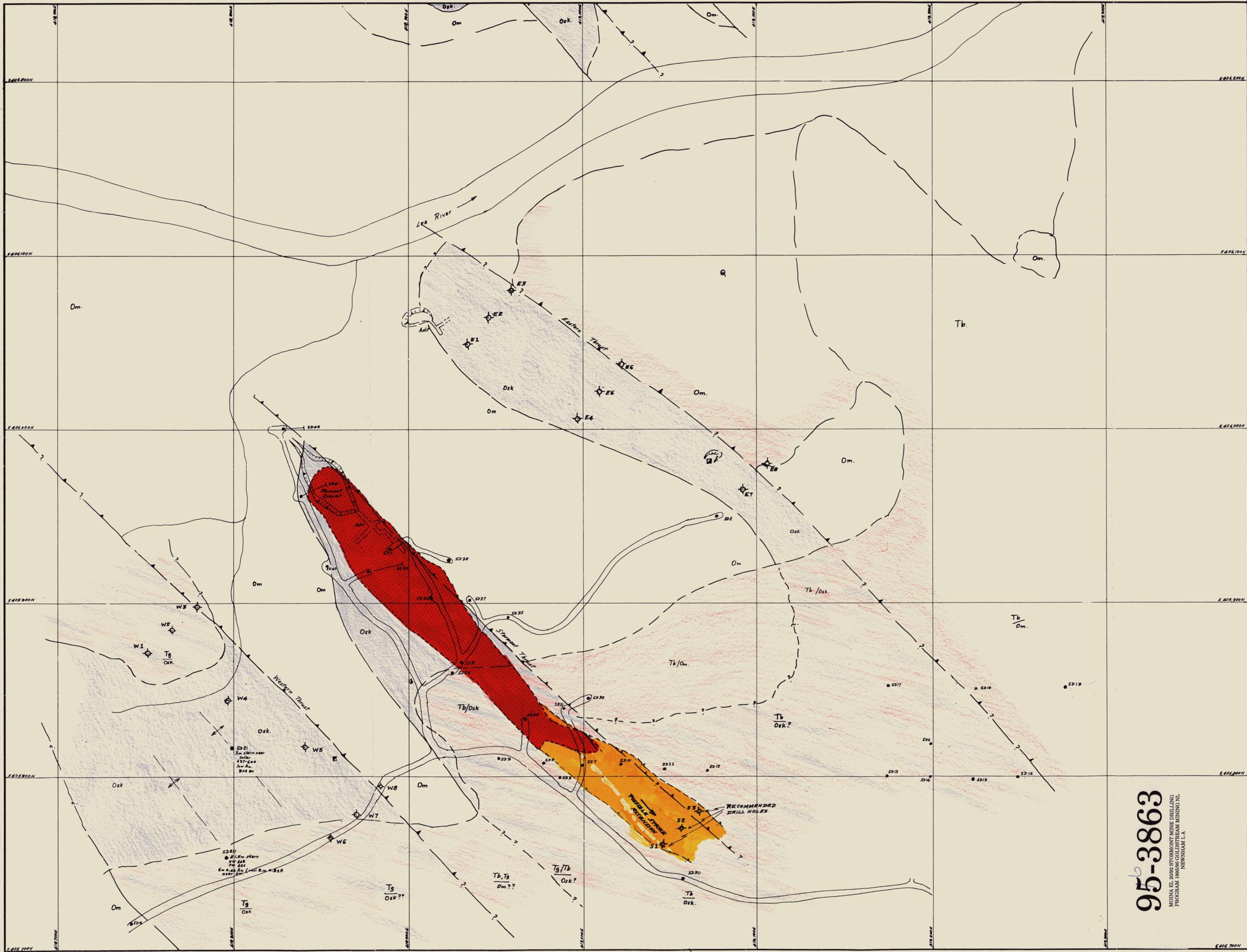
Report Codes:
N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Dp1	Zn	Bi	Mo
	SD40 1.2-2.1	<0.01	<0.01	44	100	4
	SD40 2.1-3.0	0.01	--	38	50	6
	SD40 3.0-4.0	<0.01	--	39	65	6
	SD40 4.0-5.0	<0.01	--	70	85	6
	SD40 5.0-6.0	0.01	--	44	145	8
	SD40 6.0-7.0	<0.01	--	47	125	8
	SD40 7.0-8.0	0.02	--	83	220	6
	SD40 19.5-20.5	0.01	--	120	200	<3
	SD40 27.0-28.0	0.03	--	43	25	<3
	SD40 47.5-48.5	0.01	--	11	<5	4
	SD41 0.0-1.5	0.01	--	130	80	<3
	SD41 1.5-2.2	0.03	--	94	480	4
	SD41 2.2-3.0	0.03	--	99	300	6
	SD41 3.0-4.0	0.02	--	145	160	6
	SD41 4.0-5.0	0.01	--	71	300	4
	SD41 5.0-6.0	0.01	--	73	120	6
	SD41 6.0-7.0	0.01	--	32	115	4
	SD41 7.0-8.0	<0.01	--	17	20	6
	SD41 8.0-9.0	<0.01	--	19	25	4
	SD41 9.0-10.0	<0.01	--	25	85	6
	SD41 10.0-11.0	<0.01	<0.01	37	130	4
	SD41 11.0-12.0	<0.01	--	46	220	6
	SD42 0.0-2.3	0.58	0.44	89	280	<3
	SD42 2.3-3.5	0.01	--	61	<5	6
	SD42 3.5-4.5	0.01	--	66	<5	6
	SD42 4.5-5.5	0.01	--	90	<5	6
	SD42 5.5-6.5	0.01	--	165	<5	<3
	SD42 26.0-27.0	0.01	--	105	<5	6
	SD42 27.0-28.0	<0.01	--	37	<5	6
	SD42 28.0-29.0	<0.01	--	46	<5	6
	SD42 29.0-30.0	<0.01	--	105	10	6
	SD42 30.0-31.0	<0.01	--	90	30	8
	SD42 31.0-32.0	<0.01	--	56	<5	<3
	SD42 32.0-33.0	<0.01	--	66	20	6
	SD42 33.0-34.0	<0.01	--	55	5	6
<hr/>						
	HS6 44.0-46.0	0.02	--	150	680	52
	HS6 46.0-48.0	<0.01	--	90	500	40
	HS6 48.0-50.0	0.12	0.13	150	680	38
	HS6 50.0-52.0	0.10	--	160	360	36
	HS6 52.0-54.0	0.16	0.15	185	520	44
	HS6 54.0-56.0	0.14	0.15	195	880	22
	HS6 56.0-58.0	0.04	--	135	320	14
	HS6 58.0-60.0	0.10	0.11	180	400	8
	HS6 60.0-62.0	0.05	--	1500	640	16
	HS6 62.0-64.0	0.05	--	180	740	4
	HS6 64.0-66.0	0.13	0.12	160	600	18
	HS6 66.0-68.0	0.09	--	200	660	16
	HS6 68.0-70.0	0.14	--	460	780	18
	HS6 70.0-72.0	0.09	--	300	560	20
	HS6 72.0-74.0	0.32	0.35	180	1400	67
	UNITS	ppm	ppm	ppm	ppm	ppm
	DET.LIM	0.01	0.01	2	5	3
	SCHEME	FA1	FA1	IC1E	IC1E	IC1E



LEGEND

- Drill access tracks and location of core drill holes
- Geological boundary
- Inferred geological boundary beneath cover rocks
- Thrust Fault
- Gold resource area
- Quaternary alluvium
- Tertiary basalt
- Tertiary gravels
- Osk
Osk after Gordon Limestone } Ordovician
- Om
Om mine sandstone } Ordovician
- Recommended drill holes

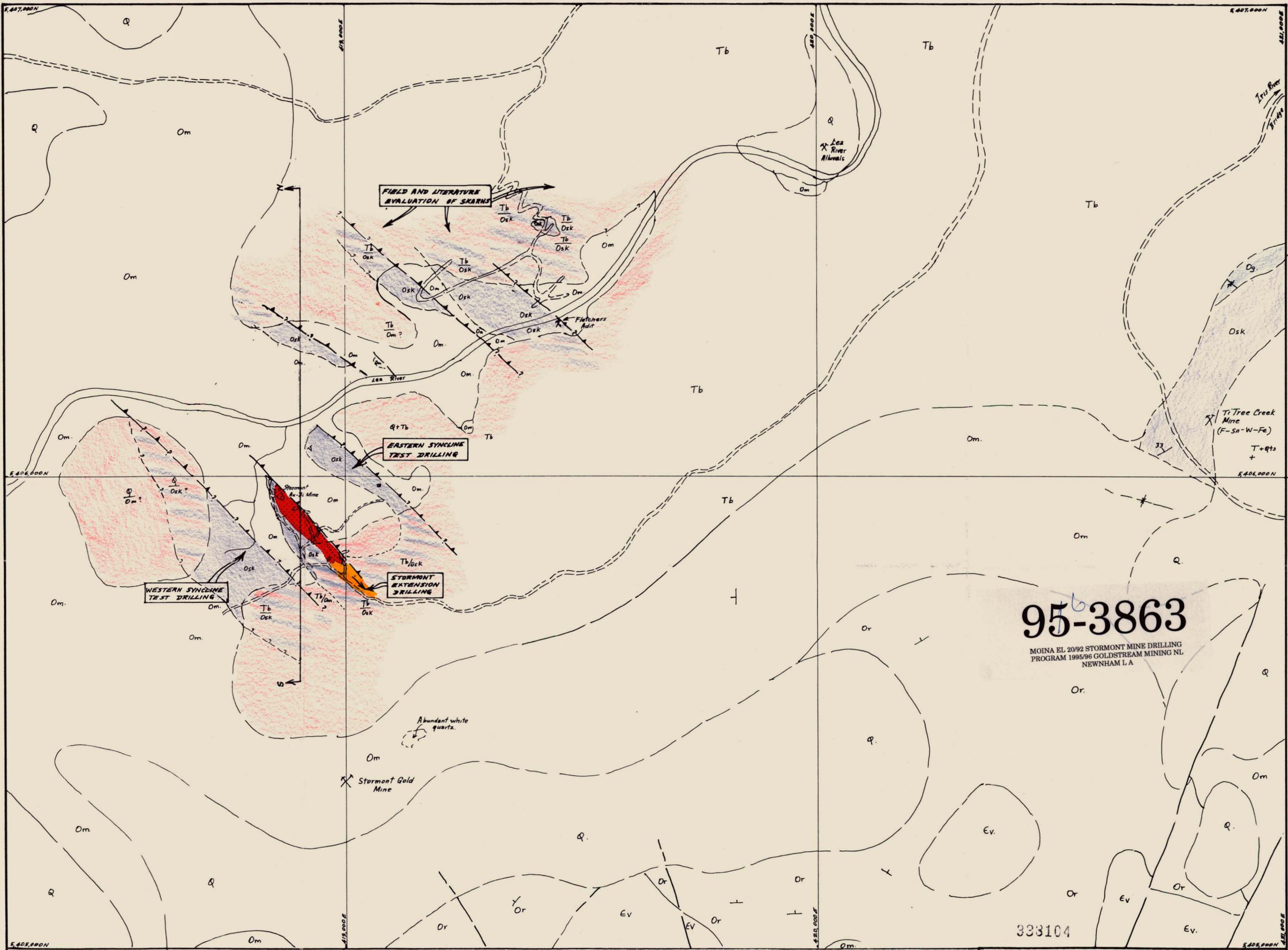
Geological interpretation is by L. R. Newnham, with additional input from REC mapping in areas distant from Stormont Mine.

Drill holes S230-42 and associated roads were surveyed by licensed surveyor using GPS stations based on min. 4 satellites.

333103

95-3863
 MOINA EL 2002 STORMONT MINE DRILLING PROGRAM
 GOLDFIELD COLLIERY MINING NL
 NEWNHAM T.A.

NEWNHAM EXPLORATION AND MINING SERVICES	
GOLDSTREAM-TITAN JOINT VENTURE	
E.L. 20/92 - MOINA PROJECT	
STORMONT MINE AREA	
INTERPRETATIVE GEOLOGY PLAN	
RECOMMENDED DRILLING PROGRAM	
SCALE: 1: 1000	DRAWN: L. R. Newnham? DRAFTSPERSON: DATE: 15 Apr. 96. FILE No. FIG. No. MAP2

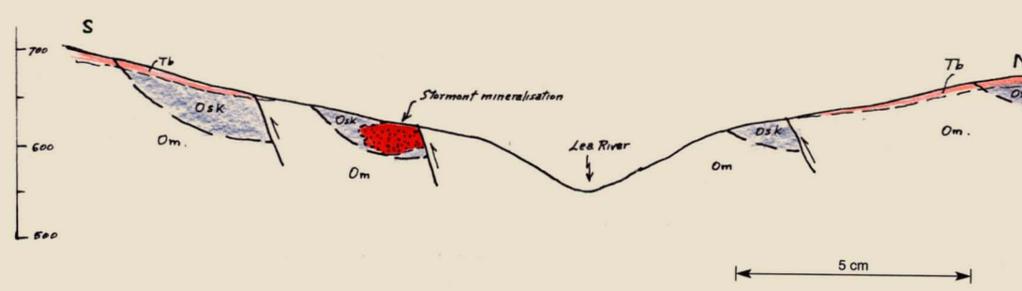


95-3863

MOINA EL 20/92 STORMONT MINE DRILLING PROGRAM 1995/96 GOLDSTREAM MINING NL NEWNHAM L A

333104

- KEY**
- Q Quaternary alluvium, overburden
 - Tb Tertiary basalt and gravels, sometimes cemented to "grayhilly"
 - Osk Ordovician skarned Gordon Limestone
 - Og Ordovician Gordon Limestone
 - Om Moina Sandstone, with shaly beds and calc silicates
 - Or Ordovician Roland Conglomerate
 - Ev Cambrian sediments and volcanics



This map is a collation of data from the recent Stormont drilling program, various R&C maps from former E.L. 4/93, and State 1:25,000 geological map "Winterbrook-Moina". The data from these sources has been extensively modified and re-interpreted to convey the concept of extensive small scale thrusting (rather than folding) producing the observed outcrop patterns in Stormont - Fletcher's Adit area.

NEWNHAM EXPLORATION AND MINING SERVICES

GOLDSTREAM-TITAN JOINT VENTURE

E.L. 20/92 MOINA PROJECT

STORMONT MINE - FLETCHERS ADIT AREA

INTERPRETATIVE DISTRICT GEOLOGY

PROPOSED WORK PROGRAMS 1996-97

SCALE: 1:5,000

0m 100 300

DRAWN: L. A. Newham
 DRAFTSPERSON:
 DATE: 16 April 96.
 FILE No.
 FIG. No. MAP 3.