



**SUMMARY:**

In 1984 Triton International Pty. Limited acquired E.L. 9/84 over a number of former gold workings in the Lynchford gold field, south of Queenstown. In 1987, the tenement was acquired from Triton by Montroyal Mining N.L., a wholly owned subsidiary of Goldstream Mining N.L.

Montroyal established a substantial grid of cut traverse lines over much of the Licence area and undertook various sequential geological and geochemical sampling surveys on this grid. The surveys defined a series of high amplitude Au-As anomalies associated with a series of steeply dipping lower Palaeozoic sediments on the west side of the major Harveys Creek Fault which is interpreted as striking N-S through the area.

The largest of these anomalies coincided with the Coupon Mine workings, which consists of a series of tunnels and pits developed in the early part of this century to test a gossanous ridge formation.

In order to facilitate further and more detailed testing of the anomaly, a series of rough 4WD roads was developed over the ridge.

The roads were channel sampled. Tunnels were re-opened, channel sampled and mapped. This work confirmed the anomalous nature of the ridge and a 13 hole RC drilling program was undertaken to test the anomalies up to depths of 60 metres below surface.

The RC program experienced a number of technical difficulties but assay results in several of the holes were encouraging.

Best intersections were:

CRC 3 - 24m 1.09 g/t Au, 2628 ppm As in  
silicified siltstones.

CRC 5 - 12m 0.35 Au, 917 As in limonitic  
sandstone.

An attempt was made in 1991 to follow up these results with a cored hole, LT91-1. However, the hole was abandoned at 61 metres after experiencing drilling difficulties in a series of Au and As anomalous limestones and siltstones. More recent data on the area now suggests this hole was drilled at a very shallow angle to stratigraphy and hence the stratigraphic penetration of the hole was not great.

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All of the above work, completed prior to 1992-93, suggested that the Coupon area possessed considerable potential for the development of a sediment hosted fine grained disseminated gold deposit, and further evaluation was justified.

On the basis of this assessment, the following work was undertaken during 1992-93:

- the Coupon area was re-mapped,
- channel sampling of all roads was completed by infilling gaps in previous programs,
- selected chip and RC samples were assayed for Sb
- a 3 x 200 metre cored drill hole program was commenced

The results of the mapping, chip sampling and additional Sb assaying are presented in the accompanying report titled:

"E.L. 9/84 Lynchford Area, Western Tasmania. Progress Report and Revised Recommended Drilling Program"

by L.A. Newnham, dated 6th December, 1992.

The three hole cored drilling program, as defined in the above report, was commenced in April 1993 and is currently in progress.

At the time of writing this report, the two northern holes have been completed and the southern hole is nearing completion.

Logging, sampling and assaying is in progress.

The two completed holes were collared near the base of limonitic sandstone, overlain by a steeply dipping sequence of interbedded siltstones, shales and crinoidal limestones, which are all pervasively impregnated by very fine grained pyrite and cut by numerous thin carbonate and quartz-carbonate veins. Similar veining in the sandstones is probable but is less evident due to intense weathering and poor core recoveries.

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To date, the third hole has intersected a wider (70m.) sequence of quartz veined limonitic fractured sandstones with interbedded siltstones prior to passing into a monotonous siltstone sequence.

In view of the encouragement obtained by initial programs on E.L. 9/84, Montroyal acquired a contiguous area under E.L. 8/91. The stratigraphic and structural elements considered to be of importance on E.L. 9/84 area interpreted as probably continuing into E.L. 8/91, and should the gold potential of the Coupon are be further enhanced by the current drilling program, there will be a strong case of extending exploratory programs into E.L. 8/91 and elsewhere on E.L. 9/84.

Work on E.L. 8/91 to date has been limited by the need to better understand the mineralisation controls and potential at Coupon.

Estimated expenditures on the Licences to date are:

	<u>92-93</u>	<u>Totals to Date</u>
E.L. 9/84	\$103,468	\$439,103
E.L. 8/91	\$ 7,056	\$ 14,381

Upon renewal, E.L. 9/84 will be in its 10th year of tenure. Hence it is envisaged that should the current drilling program provide significant encouragement, then further drilling both on Coupon and on other similar anomalies elsewhere on the Licence will be implemented in 1993-94.

Similarly, positive drilling encouragement on Coupon will stimulate mapping and geochemical programs on E.L. 8/91.

In January 1993, Goldstream Mining N.L. entered into an agreement with Titan Resources N.L. whereby Titan could earn up to 51% interest in E.L. 8/91 and E.L. 8/94 by meeting certain expenditure levels on future exploration programs.


**GOLDSTREAM MINING N.L.**

A.C.N. 009 129 560

GJW/db/GDMM008:1/93

3rd June 1993

 Lindsay Newnham  
 Facsimile: 004 282 781

Dear Lindsay

**LYNCHFORD LICENCE RENEWAL**
**EL 8/91**
**1st July 1992 to 30th December, 1992**

Geological Consultants	5606
Maps, Plans and Photographs	210
Printing	40
Geochemical analysis and Assaying	1200
	-----
	7056

**1st January 1993 to 30th June, 1993**

Prior years expenditure	7325
	-----
<b>TOTAL EXPENDITURE TO DATE</b>	<b>14381</b>
	=====

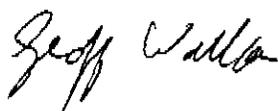
EL9/84      A= ACTUAL      E=ESTIMATE

1st July 1992 to 31st December, 1992      NIL

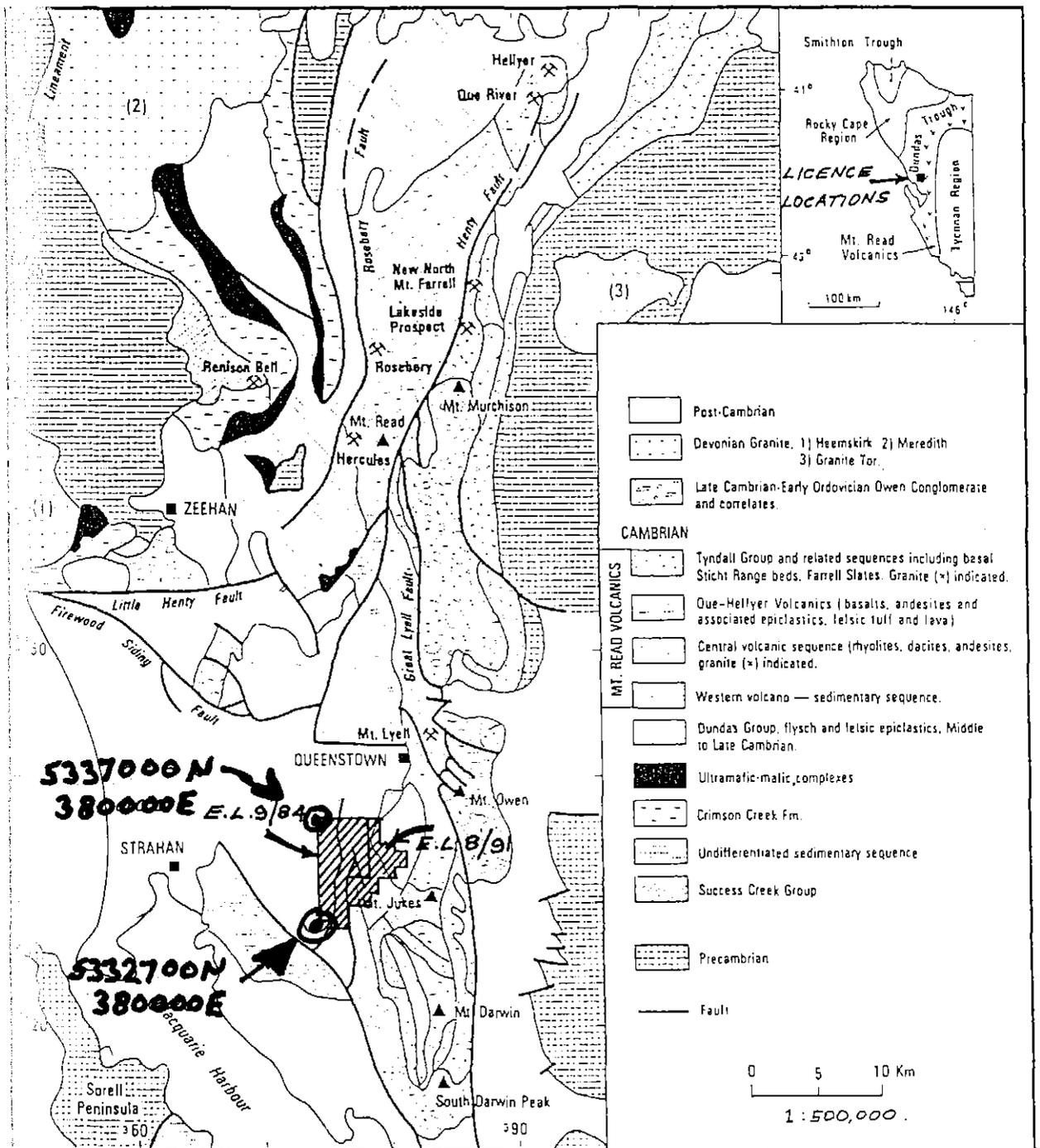
1st January 1993 to 30th June, 1993

Assaying \$158 A, \$7000E	7158
Drafting \$143A, \$200E	343
Drilling \$10,771A, \$50,000E	60771
Geological Consultants \$5250A, \$5000E	10250
Field Supplies \$1838A	1838
Tenement Administration \$42A	42
Travel and Accommodation \$9784A	9784
General Overheads	11532
	-----
	103468
Prior Years Expenditure	335635
	-----
<b>TOTAL EXPENDITURE TO DATE</b>	<b>439103</b>
	=====

Kind regards,  
Yours sincerely



Geoffrey J Wallace  
COMPANY SECRETARY



5 cm

AMG REFERENCE POINTS ADDED

Base map from Division of Mines and Mineral Resources publication "Mt. Read Volcanics Project Geological Report 5"

NEWNHAM EXPLORATION AND MINING SERVICES		
E.L. 9/84 and E.L. 8/91		
WESTERN TASMANIA		
LOCALITY PLAN		
10	10	20
Drawn: L.A.N.	Date: Nov. 91	Scale: As shown
		Figure: 1.

010008

**NEWNHAM EXPLORATION AND MINING SERVICES**

**E.L. 9/84  
LYNCHFORD AREA  
WESTERN TASMANIA**

**PROGRESS REPORT  
AND  
REVISED RECOMMENDED DRILLING PROGRAM**

**Prepared for: Goldstream Mining N.L.,  
24 Outram Street,  
WEST PERTH, 6872**

**By: L.A. Newnham,  
Box 1002,  
DEVONPORT, 7310**

**Phone: (004) 282 289  
Fax: (004) 282 781**

**Date: 6th December, 1992**

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## 1. Summary

In November, 1992, three days were spent at the Coupon prospect mapping drill access roads and taking channel samples on roads to infill data gaps.

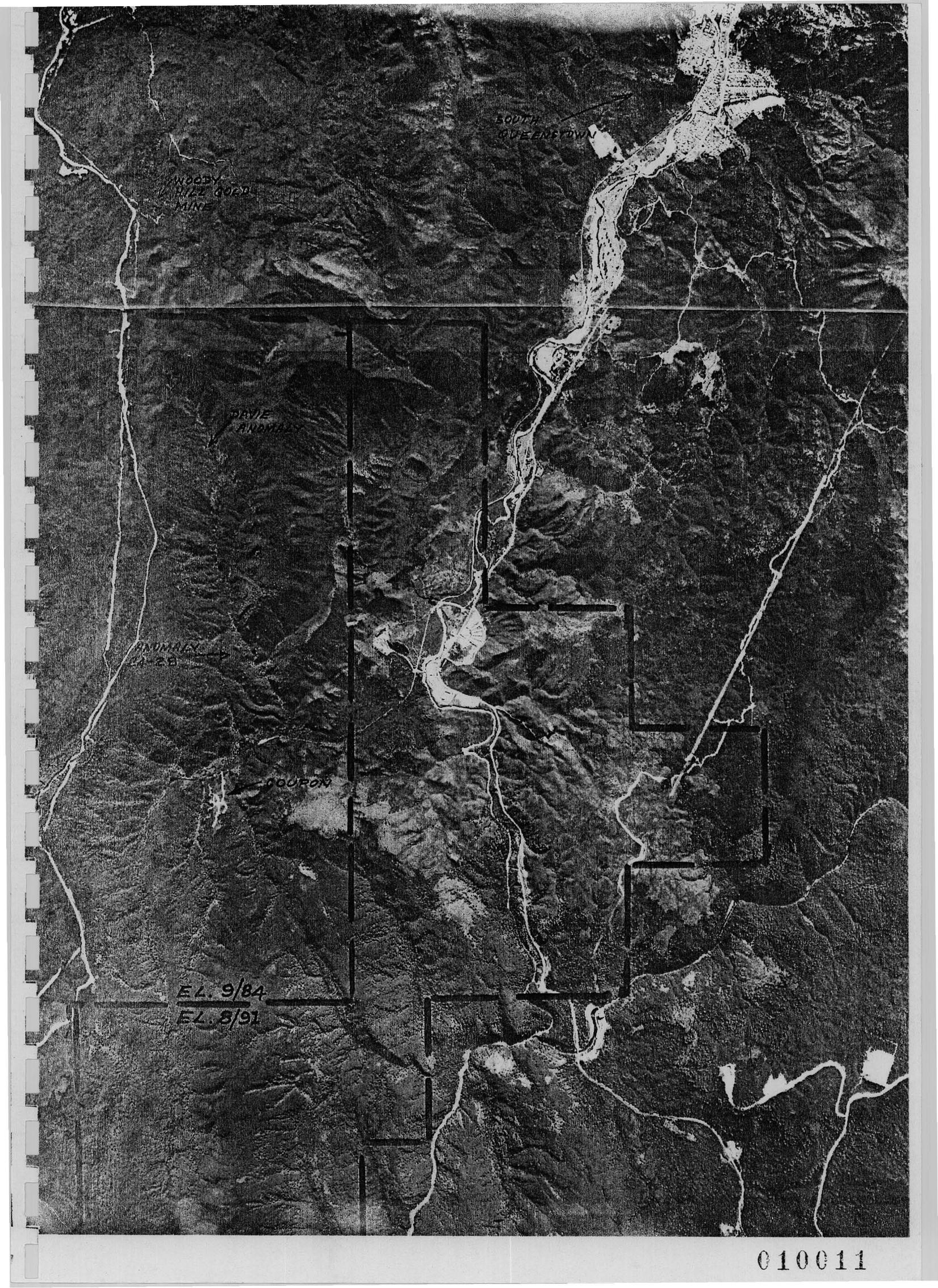
Results of this work, integrated with previous information, is interpreted as suggesting the Coupon area is underlain by a steeply dipping sequence of upper Ordovician sediments containing two, possibly three, silicified units carrying anomalous gold, arsenic and antimony associated with minor pyrite and arsenopyrite.

Where observed at shallow depths in drill holes, adits and on roads, these units are intensely weathered to form a dispersed Au-As anomaly associated with limonite over a 400 x 150 metre zone.

The area is regarded as having many of the characteristic features of sediment hosted, fine grained gold deposits of the Carlin style.

To further evaluate this model, a program of three x 200 metre cored holes is recommended at a cost of \$70,000.

This program should be completed prior to June, 1993, when application for tenement renewal is due.



WOBBY  
HILL COPPER  
MINE

SOUTH  
GREENSTOWN

DRYIE  
RIVER

BUNNICK  
LA 28

COUFON

EL. 9/84  
EL. 8/91

## 2. Comments on Outcrop Geology

Outcrop at Coupon is limited to drill access tracks and the Abt railway formation. The natural surface is covered by a layer of organic rich soils, often underlain by a layer of quartz gravels which may be either transported material or semi in-situ weathered quartzite.

Waste dumps from former workings add to these problems.

On the access tracks, the quality of exposure is variable. The prospect straddles a steep ridge, probably reflecting a sequence of resistant quartzites or silicified siltstones. All stratigraphic units are severely slumped along the flanks of the ridge. This is clearly evidenced in major side cuts which had collapsed, exposing the full extent of the slumping.

Hence there are few opportunities for recording bedding which could be considered unaffected by slumping. Clearly, much of the bedding recorded on earlier maps was not true bedding.

The most reliable bedding possibly occurs in the adits. These were mapped by Perilya and not re-mapped by this writer.

Further, it is unclear to what extent shearing has obliterated bedding with subsequent confusion between bedding and cleavage. Softer formations appear to possess a slaty cleavage but this may simply be bedding accentuated by weathering.

Much of the staining and colouration of outcrops are superficial. When taken to with a mattock, they often reveal a more bland appearance.

Disaggregated beds which were of a dark brown-chocolate brown colour were assumed to be calcareous and where represented by black pug, to be limestones.

### 3. Geology (Fig. 1)

The Coupon Prospect is now interpreted as underlain by a steeply dipping sequence of shales, siltstones, sandstones and quartzites which correlates with the upper Gordon Group or Rinadeena Formation.

The general strike is North-South. Dips are difficult to determine with confidence and appear to vary from steeply East to steeply West. District mapping suggests the sequence faces West.

Previous mapping by Cyprus located limestones (black pug) outcrop in Harveys Creek to the East of Coupon. This is overlain by a shale-siltstone sequence which in turn is overlain by a calcareous sandstone and limestone sequence which outcrops near the collar of CRC-1 and LT91-1 and was intersected in those holes.

This unit is overlain by a sequence of interbedded siltstones-sandstones and quartzites with minor calcareous beds, which because of its more resistive nature, forms the core of the Coupon ridge.

One definite brachiopod was located in a sandstone near the drill access road - Abt railway junction. Several other indefinite specimens were located elsewhere in the sandstone South of this point.

A strongly limonitic sandstone unit exposed on the top road between Lines 13.5 and 14 N is rich in both brachiopods and crinoid stems.

The quartzite beds, usually only 5-10 metres thick, are typically host to abundant, randomly oriented 5-20 mm. white quartz veins.

Overlying this siliceous sequence is a thick, monotonous series of brown-gray siltstones and shales. Where exposed adjacent to CRC-6 drill site, the limonitic siltstones are rich in well developed brachiopods. Minor calcareous and intensely limonitic beds are common. Drill hole and adit intersections in this sequence intersected narrow graphitic (?) and quartz-veined zones.

Whilst not observed in outcrop, it is probable that this sequence is overlain by a carbonate expressed by the topographic low along Goring Creek.

To the West of Coupon, the above upper Ordovician sequence passes into the Silurian Crotty Quartzite.

The Coupon area is strongly jointed in at least three directions, and a weak cleavage has been developed in the softer units, parallel or sub-parallel to bedding.

Previous mapping identified a number of faults affecting the Coupon Area. The major North-South Harveys Creek-Garfield Fault lies to the East of Coupon and undoubtedly had a significant tectonic effect on the area.

Evidence for the abundant East-West faults mapped by Perilya was not apparent, although on the basis of the limited outcrop knowledge available, any number of interpretations is possible at this early stage.

Apparent displacement of stratigraphy around Line 15 suggests an E-W fault in this area.

The sediments are intensely weathered (altered?) and limonite is pervasive in the siltstones and sandstones.

No sulfides were observed in outcrop, although some pyrite and arsenopyrite were logged in chips from several drill holes, in particular, the mineralised intersection in CRC-3.

The Upper Gordon Group sediments are not known elsewhere for such intense and pervasive limonite development and it is indeed possible that the limonite represents surficial deposition from leached deeper sulfidic stratigraphic units such as that in CRC-3.

#### 4. Geochemistry

Forty-two pulverised drill chip and surface channel samples previously collected by Cyprus and Perilya were assayed for Sb and Ba as a geochemical orientation exercise, because both of these elements (in addition to As) are potentially important pathfinders for Carlin style deposits. Results are attached as Appendix 1.

Thirteen (13) of these samples were gold and arsenic anomalous surface channel samples; seventeen (17) were drill chips from CRC-3 which were strongly Au and As anomalous and twelve (12) were from CRC-6 and were low in both Au and As.

This orientation exercise indicated that Au and As anomalous zones carried elevated Sb but background Ba.

Ba values were in the range 150-850 p.p.m., with the variation probably reflecting the difference between shale and sandstone units. These levels are regarded as normal for such sediments in Western Tasmania.

Sb correlated well with Au and As. As anticipated in the unmineralised CRC-6, Sb was < 3 p.p.m., but was typically in the range 20-50 p.p.m. (max. 120 p.p.m.) in the Au-As anomalous samples.

This Sb anomalism is considered significant and encouraging.

A further 42 channel samples were collected along access tracks in order to infill gaps in previous sampling by Perilya and Cyprus.

Results are presented in Appendix 2 and plotted in Figure 2.

Whole samples were fine pulverised to < 75  $\mu$  and a 30g. sub sample assayed for Au, As, Sb by aqua-regia digest and AAS finish. Any sample > 0.5 g/t Au was reassayed by fire assay fusion with AAS finish.

This work facilitated the better definition of strongly Au-As anomalous zones defined by previous sampling.

Apart from a basic > 100 p.p.m. As contour line on Figure 2, no attempt has been made to contour geochemical results, firstly because it is clear that most of the Coupon Ridge is strongly arsenic anomalous, and secondly because of an obvious inconsistency between soil and bedrock geochemistry.

Soil samples (taken prior to any road development in the area) are often depleted in Au and As, relative to road and adit samples taken subsequently (e.g.) Line 14. This may be attributed to both the layer of quartz gravels over much of the ridge and the highly leached nature of the soils and gravels. Hence an anomalous response in soil samples is probably real, but low values may be false.

Low geochemical values on Lines 16 AAN and 16 AN may reflect this problem and it is possible that the Au, As and Sb anomalism in bedrock South of these lines persists North through to similar zones defined by drilling and bedrock sampling on the Abt railway formation.

The geochemical response of bedrock, adit and drill hole samples suggest a number of strong North-South trending Au-As-(Sb) anomalous stratabound zones are present.

## 5. Interpretation

The Coupon area is underlain by a steeply dipping sequence of fossiliferous upper Ordovician sediments, including several calcareous and carbonaceous units. The sequence has suffered mild shearing and extensive silicification of some beds, evidenced by abundant quartz veining.

Geochemical and geological data gathered from drill holes and adits suggest that silicification (quartz veining) is usually accompanied by disseminated pyrite and arsenopyrite.

These units, which form the resistant spine of the coupon ridge, have been intensely weathered, resulting in the development of a very large Au-As-Sb anomaly, typically associated with decomposed limonitic and siliceous outcrops.

This geochemical anomaly is at least 400 metres long (N-S) and 150 metres wide.

Two principal mineralised stratabound units are interpreted as being present:

- A western unit intersected in CRC-3 and the lower adit. Holes CRC-8 and CRC-9 may have been entering this zone when stopped.

CRC-3 intersected 24m. (drill length) of 1.09 g/t Au, 2628 As and 40 Sb, in quartz veined limonitic siltstone approximately 20 metres below surface.

True width is estimated at 16 metres. This interval was closely followed by a further 6 metres of 0.7 Au, 2560 As.

The overall Au-As-Sb anomalous zone in quartz veined sediments in CRC-3 is approximately 30 metres true width.

The lower adit intersected a six metre wide pyritic quartz veined black siltstone unit only five metres below surface which averaged 1.4 g/t Au, 2600 As. This unit may correlate with the CRC-3 intersection.

- A central zone, intersected in CRC-5 and the upper two adits. CRC-11 may have been entering the zone when stopped.

The zone consists of 12-14 metres (true width) of intensely limonitic and quartz veined sediments carrying anomalous Au and As.

CRC-5 intersected 12 metres 0.35 Au, 917 As approximately 20 metres below surface (i.e.) well above creek level.

A third zone may exist in the calcareous sediments further to the East and intersected in CRC-1 and LT91-1.

It is probable that the above zones are disrupted by E-W fault structures. Insufficient data exists to confidently predict the location of such structures.

## 6. Recommendations

The regional setting and local anomalism of the Coupon area suggests the area has high potential for fine grained sediment hosted gold deposits of the general Carlin style.

This represents a new and exciting conceptual model for ore discovery in Tasmania.

An initial program of core drilling was previously proposed to further test this concept (report to Goldstream, dated 27th December, 1991).

However, the recently completed mapping and sampling combined with a re-interpretation of existing data suggest some modification of that initial program is justified.

It is recommended that 3 x 200 metre HQ-NQ2 cored holes be drilled to test the two main interpreted auriferous stratabound units.

The locations of these holes are shown on Figures 1 and 3.

### Hole 1:

To test the Western Au anomalous unit, midway between CRC-3 and CRC-8, and approximately 120 metres beneath surface.

Dip: -55°  
Bearing: 253 magnetic.

### Hole 2:

To test the Western Au anomalous unit midway between CRC-3 and the lower adit, approximately 120 metres below surface.

Dip: -55°  
Bearing: 253 magnetic.

### Hole 3:

To test the central Au anomalous zone South of the upper adits, and the Western zone South of the lower adits.

Dip: -50°  
Bearing: 253.

All holes should be down hole surveyed. If results are encouraging, a complete surface survey of the Coupon Ridge should be undertaken.

NQ2 is the preferred coring system in order to minimise hole deviation.

Core for assay should be split and assayed initially for Au, As, Sb. Au assaying should be by fire fusion and AAS finish.

Following completion of these holes, further regional and local exploration programs should be reviewed.

Budget:

	\$
Drilling - 600 m HQ-NQ2 at \$80/m	48,000
Mobilisation and rig movement	3,000
Field supplies - (trays, bags, splitting, etc.) \$5/m	3,000
Assaying \$20/sample, 200 samples	4,000
Petrology	2,000
Management - (supervision, logging, reporting)	8,000
Travel and accommodation	2,000
	<hr/>
TOTAL:	\$70,000
	<hr/>

Approvals and Timing:

The drill sites have already been approved by the Department of Mines.

The program should take approximately four weeks to complete.

Preferably, it should be completed prior to the Licence renewal application due in early June, 1993.



L.A. Newnham, B.Sc., F. Aust. I.M.M.



NEWNHAM EXPLORATION AND MINING SERVICES

SAMPLE DATA

Project: *LYNCHFORD*  
Client: *GOLDSTREAM*

Sample Type: *ROCK (5m. Intervals)*  
Date Collected: *9-11 Nov. 92.*

Collected By: *LAN*  
Assayed By: *Analabs.*

Number	Location	Description	Assays					
			Au	As	Sb.		Au(R)	
LCF 001	Drill Access Loop Road.	Start at Perilya sample 72 Shale - siltst., light-gy/dk. brn; decomposed	0.06	11	<2			
LCF 002	Drill Access Loop Road.	Phyllitic sh - siltst., lt. gy., minor Qtz. veins.	0.16	18	<2		0.18	
LCF 003	Drill Access Loop Road	Siltst - sst., lt. brn - lt. gray, fissile.	0.14	49	<2			
LCF 004	Drill access Loop Road	Quartzites + abundant Qtz. veins; brn - gy.	0.13	7	<2			
LCF 005	Drill access Loop Road	Qtzites as LCF004, and fissile siltst, limonitic	0.33	180	<2		0.37	
LCF 006	Drill access Loop Road	Siltst, soft, fissile, lt. gy., + Qtzites with Qtz. veins.	0.03	7	<2			
LCF 007	Drill access Loop Road	Siltst - shales, lt. gy, fissile. (poor sample) limonitic	<0.02	73	<2			
LCF 008	Drill access Loop Road.	Sheared siltst - sh, limonitic first 1/2, dk. gy, second 1/2	<0.02	40	<2			
LCF 009	Drill access Loop Road.	Sheared? siltst - sh, lt. gy and limonitic; soft.	<0.02	79	<2			
LCF 010	Drill access Loop Road	Siltst - shale, lt gy and limonitic	0.03	113	<2			
LCF 011	Drill access Loop Road	Siltst - sh, fissile, lt. gy - buff, soft, slumped.	0.12	136	5			
LCF 012	Drill access Loop Road	As for LCF011 but becoming more siliceous	0.17	114	6			
LCF 013	Drill access Loop Road	Qtzites with Qtz. veins & soft siltst. with limonite. Qtzites possibly slumped from up hill?	2.17	1090	5			
LCF 014	Drill access Loop Road	Soft siltst - sh, orange (limonitic) - lt. brn. minor Qtz. veins	0.24	976	12			

Ended on Perilya sample 38.

030010

NEWNHAM EXPLORATION AND MINING SERVICES

SAMPLE DATA

Project: LYNCHFORD  
Client: GOLDSTREAM

Sample Type: ROCK (5m. Intervals)  
Date Collected: 9-11 Nov. 92

Collected By: LAN  
Assayed By: Analabs.

Number	Location	Description	Assays						
			Au	As	Sb.		Au(R)		
LCF 015	Start of Western drill access road between	Sltst-sh., soft, lt. gy, fissile, minor qtz. veins.	0.06	78	5				
LCF 016	Perilya sample 26-39.	As for LCF 015, limonite staining, poor sample.	0.04	125	6				
LCF 017		Sltst-sh, lt. gy - brn - orange, fissile, minor qtz. veins.	0.06	276	6				
	Western drill access track beyond	Perilya sample 54. First 5m. part 54, no sample ∴ poor outcrop.							
LCF 018	Western drill access road	sh - sltst, soft, lt. gy - orange (limonitic) only 2m sample.	<0.02	222	<2				
LCF 019	Western drill access road	sh - sltst, soft, fissile lt. gy - buff brn.	0.04	185	<2				
LCF 020	Western drill access road	As for LCF 019 but more limonitic	<0.02	291	<2				
LCF 021	Western drill access road	As for LCF 020	<0.02	357	<2				
LCF 022	Western drill access road	sh - sltst, soft, lt. gy - orange, poor outcrop	<0.02	291	<2				
LCF 023	Western drill access road.	shales - sltst, soft, fissile, lt. gy.	<0.02	63	<2				
LCF 024	Western drill access road	sh - sltst, lt. gy - limonitic; soft, fissile	<0.02	209	<2				
LCF 025	Western drill access road	As for LCF 24.	0.15	740	10		0.13		

NEWNHAM EXPLORATION AND MINING SERVICES

SAMPLE DATA

Project: LYNCHFORD  
Client: GOLDSTREAM

Sample Type: ROCK (5m. Intervals)  
Date Collected: 10 Nov. 92

Collected By: LAN  
Assayed By: Analabs.

Number	Location	Description	Assays				
			Au	As	Sb		Au(R)
<i>Commencing at Perihya Station 58.</i>							
LCF 026	Western drill access road	Sh- siltst; lt. brn - gray, soft, decomposed.	0.02	131	4		
LCF 027	Western drill access road	As for LCF 026; fossiliferous	<0.02	48	<2		
LCF 028	Western drill access road	Shale- siltst, fissile, lt. brn, purple, laminar, fossils	<0.02	29	<2		
LCF 029	Western drill access road	As for LCF 028 (CRC 6 drill site) fossils	<0.02	28	<2		
LCF 030	CRC 6 Drill site	As for LCF 028; across strike; fossils	<0.02	31	<2		
<i>End of Top Drill access road:</i>							
LCF 031	CRC 4 drill site.	Sst- siltst, lt. gray, fissile when shaley.	0.05	24	<2		
LCF 032	Top drill access road.	Sst, siltst, sh; Sh. laminar; <i>Limonite</i> + <i>Qtz</i> veins	0.09	234	2		0.11
LCF 033	Top drill access road	As for LCF 032 but <i>Qtz</i> veins only in first half.	0.08	476	7		
<i>Near CRC 1 drill site:</i>							
LCF 034	Near CRC 1 site, on road	Choc. brn, intensely weathered rk. ? Calcareous unit	0.04	16	2		
LCF 035	On road near CRC 1 site	Black pyg. = decomposed limestone?	0.02	147	32		

010022

NEWNHAM EXPLORATION AND MINING SERVICES

SAMPLE DATA

Project: LYNCHFORD Client: GOLDSTREAM		Sample Type: ROCK CHIP (5m. Intervals) Date Collected: 10 Nov. 92		Collected By: LAN Assayed By: Analabs.				
Number	Location	Description	Assays					
			Au	As	Sb			
<i>Bottom drill access road; North of Perilya station 75:</i>								
LCF 036	Bottom drill access road	Sh- altst; fissile, lt. brn - gy, <sup>limonitic</sup> v. decomposed.	<0.02	285	4			
LCF 037	Bottom drill access road	as for LCF 036 but less limonitic	<0.02	64	<2			
LCF 038	Bottom drill access road	Sh- alt; lt. brn - buff, decomposed, limonitic beds.	<0.02	14	2			
<del>LCF</del> A 5m. GAP IN SAMPLING: NO OUTCROP								
LCF 039	Bottom drill access road	Sh- altst; lt. gy - buff. Narrow qtz vein - limonite <sup>zones</sup>	<0.02	21	<2			
LCF 040	Bottom drill access road	Sh- altst; lt. gy - lt. brn; decomposed, limonitic	<0.02	52	4			
LCF 041	Bottom drill access road	Sh; lt. gy	<0.02	10	<2			
SMALL CUT NEXT 5m. NO SAMPLE.								
LCF 042	Bottom drill access road	Sh, lt. gy-orange; decomposed, strongly limonitic	0.06	74	2			



# ANALABS

A Division of Incharge Inspection and Testing Services Australia Pty. Ltd.

010024

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Fax (004) 315890

## ANALYTICAL REPORT No. 106743..60..09037

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

Goldstream Mining NL  
P.O. Box 1073  
WEST PERTH WA 6872

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2

04/11/92

1

42

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

294288/300

PU Prep : 6P013,6P018

Sb, Ba/EX401

94471/480

96371/389

REMARKS

RESULTS

TO

Mr Lindsay Neunham  
Neunham Exploration & Mining Services  
P.O. Box 1002  
DEVONPORT TAS 7310

RESULTS

TO

Goldstream Mining NL  
P.O. Box 1073  
WEST PERTH WA 6872

RESULTS

TO

AUTHORISED OFFICER

# ANALABS

A Division of Inchcape Testing Services (Australia) Pty. Ltd.  
A.C.N. 004 591 664

010025

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

106743.60.09037

04/11/92

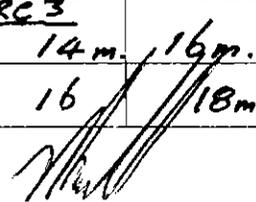
L NEWNHAM

1 OF 2

TUBE No.	SAMPLE No.	Sb	Ba			Au	As		Interval
									<i>Surface channel samples</i>
1	294288	4	260			0.147	17		
2	294289	4	280			0.220	15		
3	294290	20	280			1.127	610		
4	294291	15	140			1.612	950		
5	294292	19	190			0.782	760		
6	294293	19	230			1.381	760		
7	294294	18	410			0.204	140		
8	294295	25	390			1.612	850		
9	294296	70	770			1.495	1650		
10	294297	120	580			2.391	1250		
11	294298	50	600			1.806	3050		
12	294299	50	850			2.227	3700		
13	294300	45	790			1.739	1600		
14	294471	<3	760			<0.005	12		<sup>C</sup> <u>CRC 6</u> 18m. 20m.
15	294472	<3	730			<0.005	13		20 22m
16	294473	<3	750			<0.005	9		22 24m
17	294474	<3	730			<0.005	18		24 26m.
18	294475	<3	720			<0.005	13		26 28m
19	294476	<3	730			<0.005	17		28 30m
20	294477	4	730			<0.005	10		30 32m
21	294478	<3	570			<0.005	11		32 34m
22	294479	<3	670			<0.005	10		34 36m
23	294480	<3	680			<0.005	14		36 38m
24	306371	17	800			0.050	160		<u>CRC 3</u> 14m. 16m.
25	306372	45	800			1.488	1900		16 18m

Results in ppm unless otherwise specified  
T = element present, but concentration too low to measure  
X = element concentration is below detection limit  
- = element not determined

AUTHORISED OFFICER



# ANALABS

010026

A Division of Inchcape Testing Services (Australia) Pty. Ltd.  
A.C.N. 004 591 664

## ANALYTICAL DATA

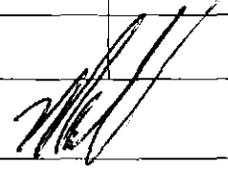
SAMPLE PREFIX      REPORT No.      REPORT DATE      CLIENT ORDER No.      PAGE

106743.60.09037      04/11/92      L NEWNHAM      2 OF 2

TUBE No.	SAMPLE No.	Sb	Ba	Au	As	Interval	
1	306373	30	690	0.158	1,600	<sup>CRC 3</sup> 18m	20m
2	306374	50	790	0.732	1,700	20	22m
3	306375	55	800	0.155	720	22	24
4	306376	35	740	0.121	960	24	26
5	306377	50	800	1.944	5,700	26	28
6	306378	40	720	4.098	4,500	28	30
7	306379	40	610	0.193	650	30	32
8	306380	40	620	1.041	5,100	32	34
9	306381	35	600	1.358	4,200	34	36
10	306382	35	600	1.446	2,500	36	38
11	306383	35	520	0.331	2,000	38	40
12	306384	25	480	0.061	190	40	42
13	306385	16	440	0.007	55	42	44
14	306386	20	440	0.043	130	44	46
15	306387	19	430	0.025	61	46	48
16	306388	19	420	0.172	580	48	50
17	306389	25	490	0.928	3,200	50	52
18							
19							
20							
21							
22							
23	DETECTION	3	10				
24	UNITS	ppm	ppm				
25	METHOD	GX401	GX401				

Results in ppm unless otherwise specified  
T = element present; but concentration too low to measure  
X = element concentration is below detection limit  
- = element not determined

AUTHORISED OFFICER





# ANALABS

A Division of Incharge Inspection and  
Testing Services Australia Pty. Ltd.

010027

Phone (004) 316837

14 Thirkali St. COOEE TAS 7320

Fax (004) 310890

## ANALYTICAL REPORT No.

106743.60.09105

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

Goldstream Mining NL  
P.O. Box 1073  
WEST PERTH WA 6872

ORDER No.

PROJECT

L. NEWMHAM

DATE RECEIVED

RESULTS REQUIRED

10/13/92

ASAP

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07/12/92

1

42

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

001/042

RC Prep : 6P006,6P009,6P012

Au,Ag(T)/66329, Ag/66309

As, Sb/6A115

RESULTS

TO

Goldstream Mining NL  
P.O. Box 1073  
WEST PERTH WA 6872

RESULTS

TO

Mr Lindsay Newnham  
Newnham Exploration & Mining Services  
P.O. Box 1002  
DEVONPORT TAS 7310

RESULTS

TO

REMARKS

AUTHORISED OFFICER

# ANALABS

010028

A Division of Inchcape Testing Services (Australia) Pty. Ltd.  
A.C.N. 004 591 664

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

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07/12/92

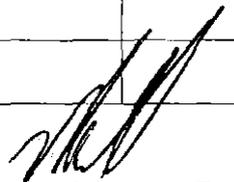
L NEWNHAM

1 OF 2

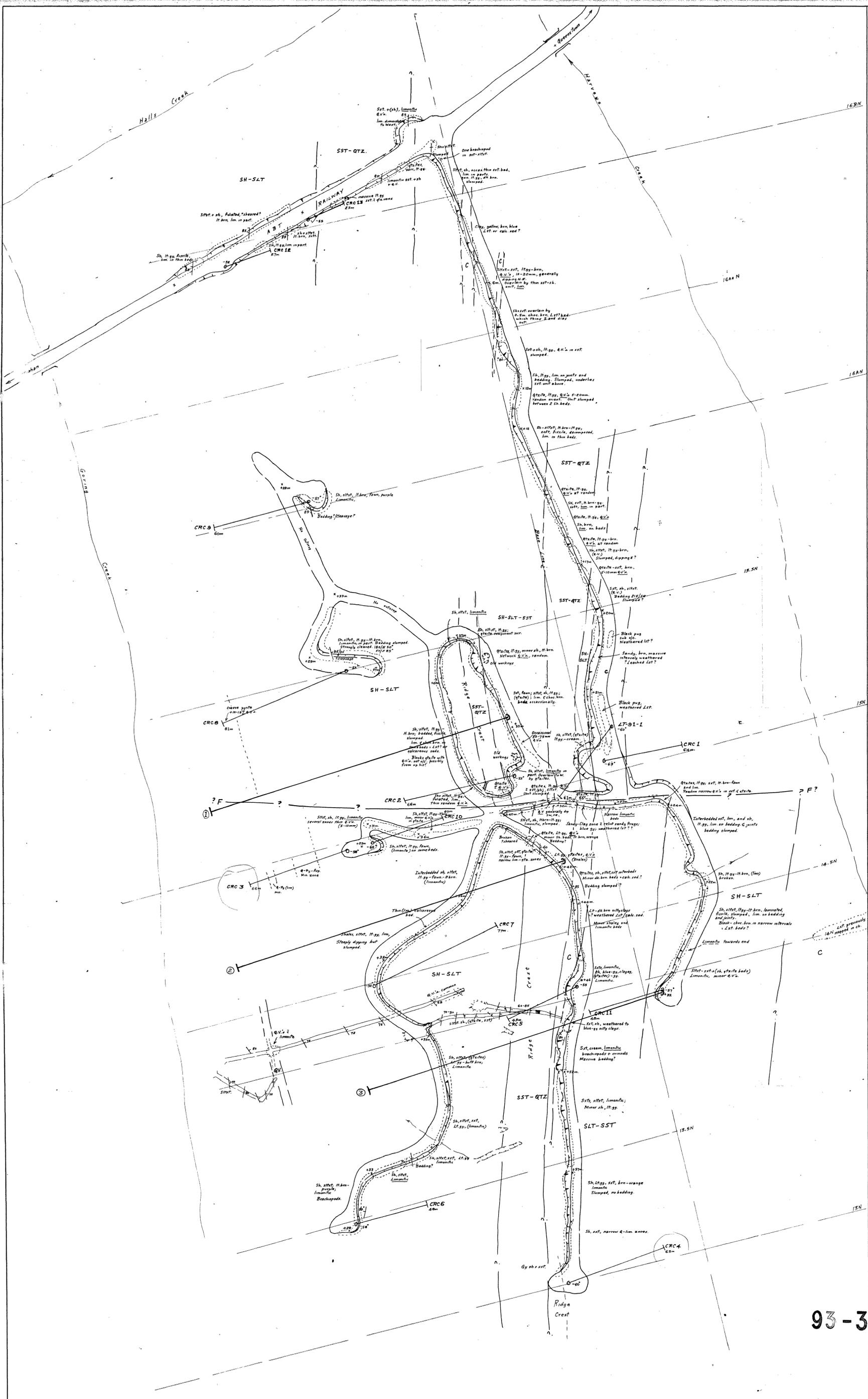
LINE NO.	SAMPLE No.	Au	Au (R)	Au	As	Sb				
1	LCF 001	0.06	-	-	11	<2				
2	LCF 002	0.16	0.18	-	18	<2				
3	LCF 003	0.14	-	-	49	<2				
4	LCF 004	0.13	-	-	7	<2				
5	LCF 005	0.33	0.37	-	180	<2				
6	LCF 006	0.03	-	-	7	<2				
7	LCF 007	<0.02	-	-	73	<2				
8	LCF 008	<0.02	-	-	40	<2				
9	LCF 009	<0.02	-	-	79	<2				
10	LCF 010	0.03	-	-	113	<2				
11	LCF 011	0.12	-	-	136	5				
12	LCF 012	0.15	0.17	-	114	6				
13	LCF 013	1.25	-	2.170	1090	5				
14	LCF 014	0.24	-	-	976	12				
15	LCF 015	0.06	-	-	78	5				
16	LCF 016	0.04	-	-	125	6				
17	LCF 017	0.06	-	-	276	6				
18	LCF 018	<0.02	-	-	222	<2				
19	LCF 019	0.04	-	-	185	<2				
20	LCF 020	<0.02	-	-	291	<2				
21	LCF 021	<0.02	-	-	357	<2				
22	LCF 022	<0.02	-	-	291	<2				
23	LCF 023	<0.02	-	-	63	<2				
24	LCF 024	<0.02	-	-	209	<2				
25	LCF 025	0.15	0.13	-	740	10				

Results in ppm unless otherwise specified.  
T = element present, but concentration too low to measure  
X = element concentration is below detection limit  
- = element not determined

AUTHORISED OFFICER

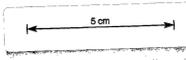






- Outcrop
  - △ Bedding: often doubtful because slumping, possibly also confused with cleavage
  - Sh Shale
  - Siltst Siltstone
  - Sst Sandstone
  - Qz Quartzite
  - qv Quartz veins
  - Lim Limestone
  - Lst Limestone
  - Lt Light
  - Gr Gray
  - Brn Brown
  - (Lm) Limestone
  - (Lm) Common
  - (Lm) Abundant
- Underground geology from Reiga mapping:
- Interstratified Breccias
  - SH-SLT Shale-Siltstone unit
  - SST-QTZ Sandstone-Quartzite
  - C Calcareous-Limestone Units
- - - Inferred boundary
  - Inferred Fault
- CRC 1-7 RC drill hole
  - LT-C Core drill hole
  - Adit
  - Access Road
  - Cut Traverse lines
  - \* 120m Traverse point with approx. elevation above A.M.T.
  - ① Recommended drill holes

Base map compiled from tape and compass survey completed Nov. 52 by J. Newmanham. Survey has not been related to AMG. Base line and traverse lines approx parallel AMG.



93-3442.

NEWMHAM EXPLORATION AND MINING SERVICES

CLIENT: GOLDSTREAM MINING N.L.

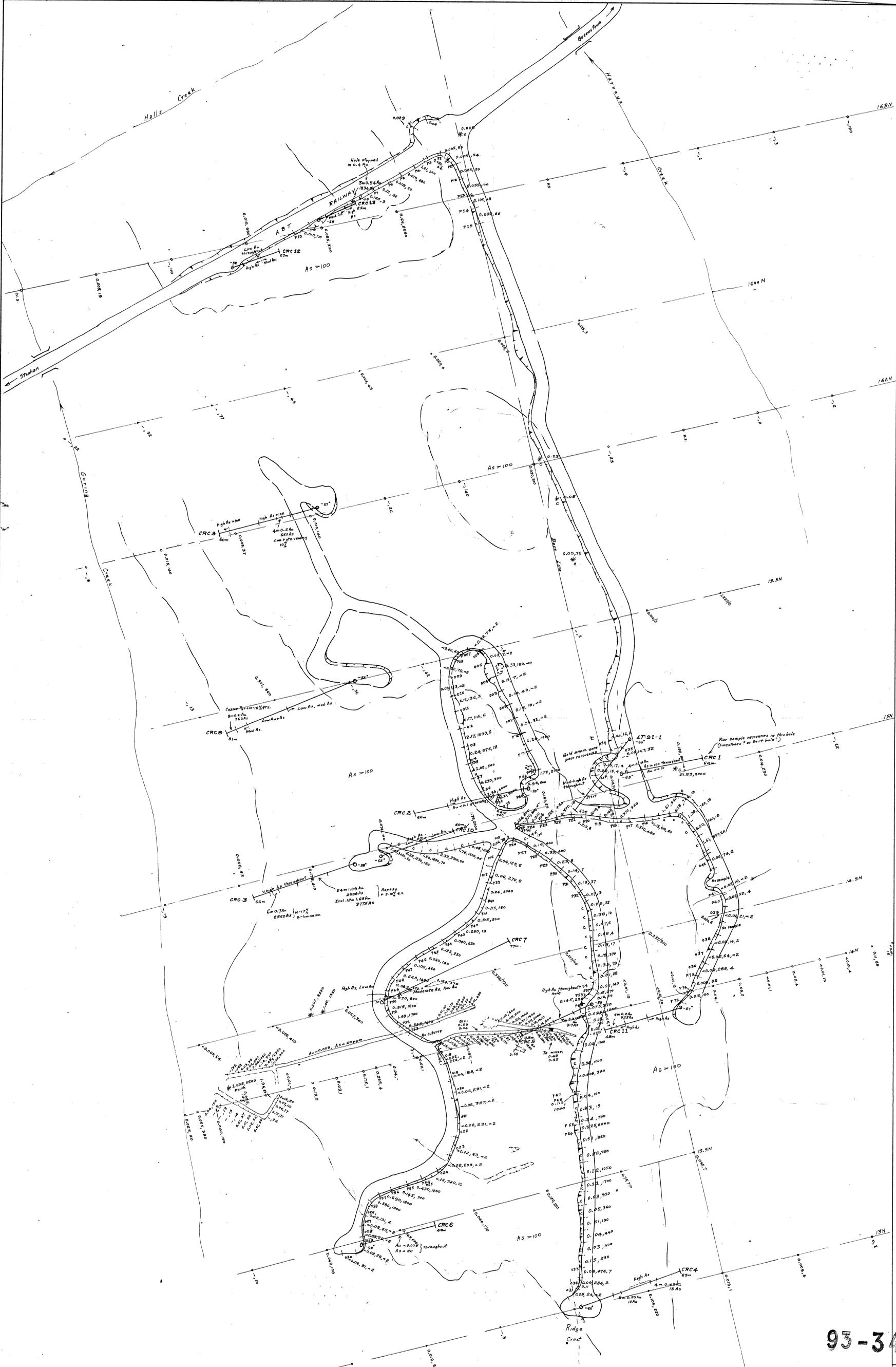
LYNCHFORD PROJECT

GEOLOGY

010030

SCALE: 1:500

DATE: FIGURE: 1

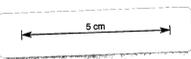


- Soil sample Au, As (ppm)
- \* Rock sample
- Parity Rock Chip sample Au, As
- Cyprus Rock channel sample Au, As, Sb
- Goldstream Rock channel sample Au, As, Sb (ppm)
- As = 100 ppm
- Au = 0.1 g/t (yellow)
- Au = 0.5 g/t (red)
- Au = 1.0 g/t (purple)
- No Drill Hole
- CRC 1-12 Core Drill Hole
- LT 1-14 Cored Drill Hole
- Adit
- Access Road
- Cut Traverse Lines

Base map compiled from tape and compass survey completed Nov 92 by J. A. Newham. Survey has not been related to AMG. Base line and Traverse lines approx parallel AMG.

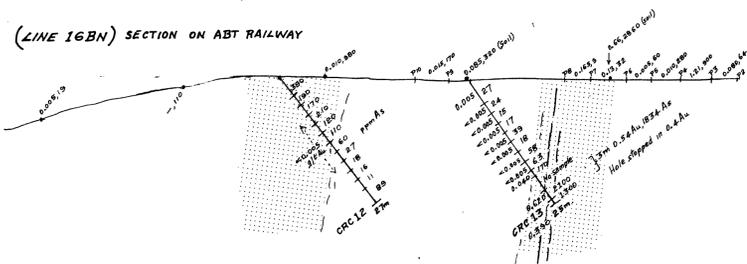
N (Magnetic)

93-3442.

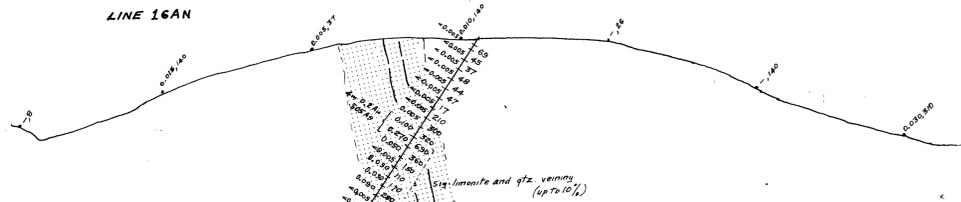


NEWHAM EXPLORATION AND MINING SERVICES  
 CLIENT: GOLDSTREAM MINING N.L.  
 LYNCHFORD PROJECT  
 ASSAY RESULTS  
 010031  
 SCALE: 1:500  
 DRAWN: J.A.N. DATE: Dec 92 FIGURE: 2

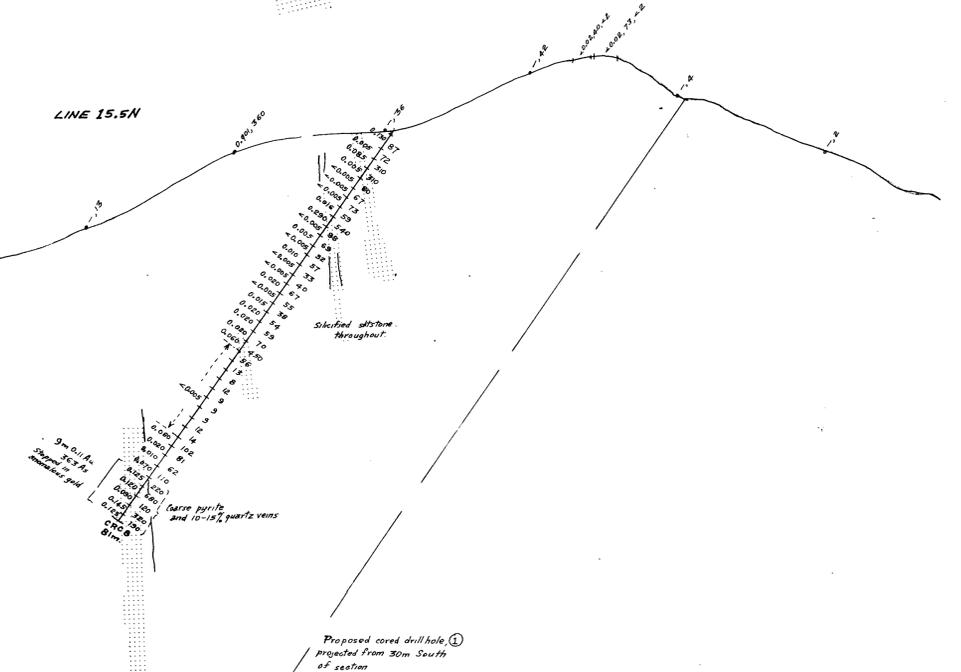
(LINE 16BN) SECTION ON ABT RAILWAY



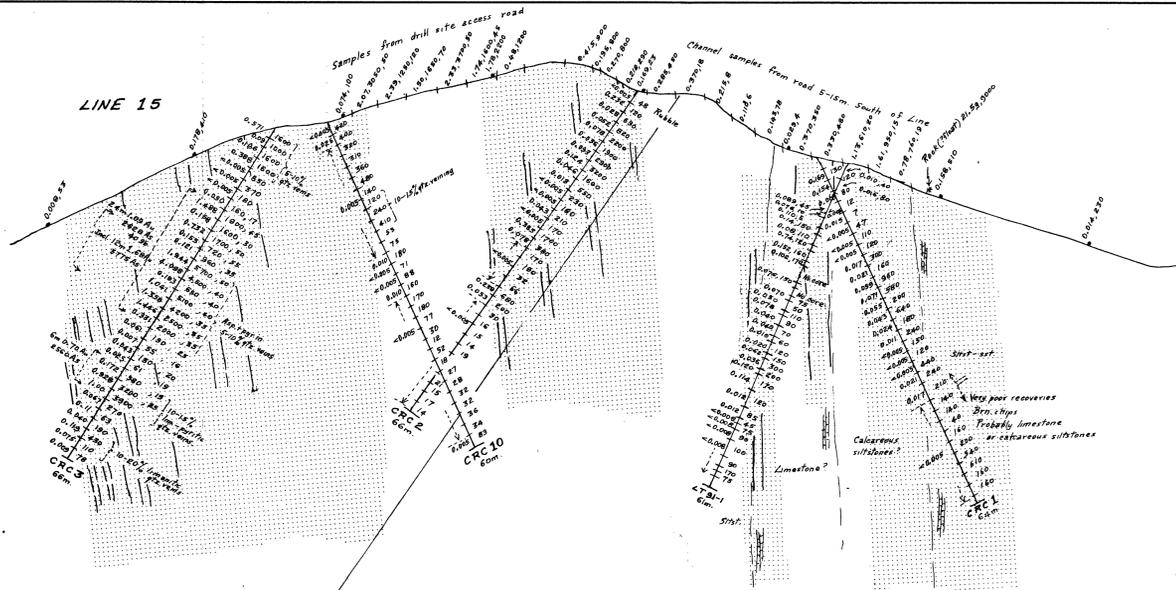
LINE 16AN



LINE 15.5N



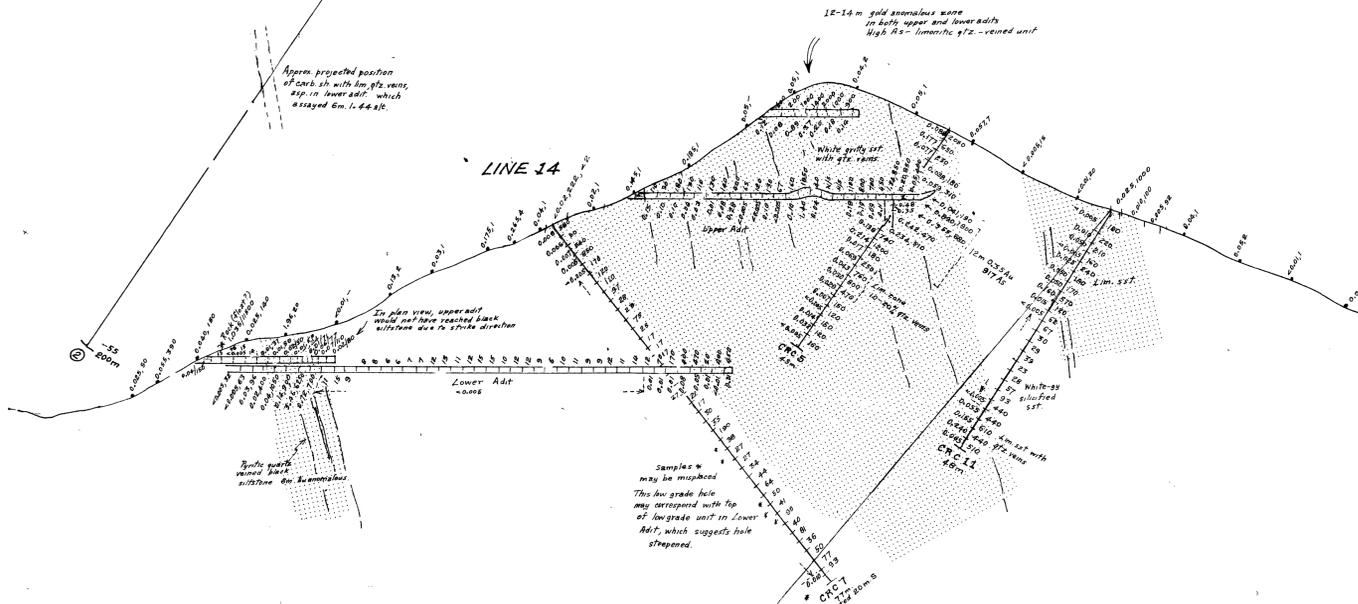
LINE 15



Proposed core drill hole ② projected from 30m South of section.

Approx. projected position of track with low grade, esp. in lower unit which stayed on 1.44 st.

LINE 14



12-14 m gold anomalies were in both upper and lower units. High Fe - limonitic qtz - veined unit.

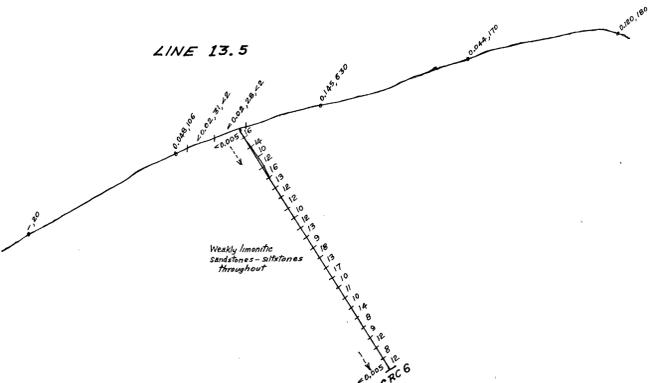
In plan view, upper unit vein in lower section different due to strike direction.

Lower Adit -0.000

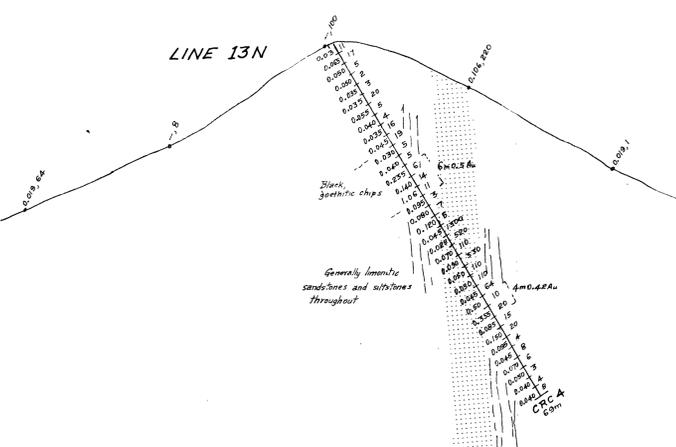
This low grade hole may correspond with top of low grade unit in Lower Adit, which suggests hole steepened.

Proposed core hole ③ projected from 10m South of Section. Note dip - 50°

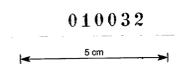
LINE 13.5



LINE 13N



- ALL SECTIONS LOOK NORTH
- 0.50 Cyprus or Perilya soil sample Au, As (ppm)
- Approximate surface profile
- 0.15/0 Channel rock sample Au, As, Sb (ppm)
- \* Cyprus or Perilya rock chip sample
- CRC - Cyprus Reverse Circulation drill hole
- LT - Perilya Core hole
- LT-51
- Drill hole collar dips as measured by LAN - may vary from original logs. No down hole surveys taken.
- Au - 0.1g/t (yellow)
- As - 0.5g/t (Red)
- As > 100ppm



93-3442.