



Beaconsfield Gold NL

**ELs 30/97, 12/99, 7/00
Cobblestone Creek Project**

Report on Exploration to 19 Sept 2000

MINERAL RESOURCES
TASMANIA
14 SEP 2000
EL30/97 PT1
See folio 25A
EL12/99 PT1
See folio 28
EL7/2000 PT1
See folio 8

**Ken Morrison
8 September 2000**

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SUMMARY

The Cobblestone Creek exploration project covers EL 30/97 and parts of the adjoining ELs 12/99 and 7/00. The project aims to explore Cambrian-Devonian rocks within the Cobblestone Creek thrust slice, almost all of which are buried beneath Permian and Cainozoic cover sediments.

An east-west fence of seven drill holes was completed on the East Beaconsfield prospect, a target based on the predicted sub-surface intersection of a NE striking magnetic linear and a NNW striking belt of Denison Group rocks.

The geology encountered by the seven holes is interpreted as a folded right way up sequence of Blyths Creek Formation sandstone overlying limestone, overlying black slate. A zone of pervasive silica-pyrite \pm carbonate alteration overprints part of the sandstone unit at the correct location to correspond to the magnetic linear. No gold and no significant arsenic enrichment were detected in the alteration.

Future work will concentrate jointly on mapping the thickness of cover materials and generating drill targets on combined magnetic structures and Mobile Metal Ion soil anomalies.

INTRODUCTION AND TENEMENT INFORMATION

The Cobblestone Creek exploration project involves all of EL 30/97 and parts of ELs 12/99 and 7/00 (Figures 1 and 2). These adjoining tenements cover the Cobblestone Creek thrust slice, as predicted below the Permian and Cainozoic cover sediments shown on Figure 2.

The three licences have differing histories. EL 30/97 was originally issued to Allstate Explorations NL for a 5 year term to 19 September 2002. The licence was voluntarily transferred from Allstate to Beaconsfield Gold NL on 18 January 2000.

EL 12/99 is a four part licence (Figure 1) awarded to Beaconsfield Gold via their bid for Exploration Tender Area 498 in March 1999. The licence was issued for 5 years to 18 July 2004.

A joint reporting facility for ELs 30/97 and 12/99 was authorised by Mineral Resources Tasmania on 11 January 2000, with no consolidation of licences involved.

EL 7/00 is also being acquired through the tender system. ETA 518 covered 19 km² (in three portions) of the Beaconsfield Mine Joint Venture licence EL 20/94, which was subject to statutory 50% relinquishment after 5 years. In March 2000 Beaconsfield Gold NL successfully tendered for ETA 518 and the current status of the subsequent EL 7/00 is an application, pending local landowner objections being resolved.

The northeastern block of EL 7/00 covers the projected SSE half of the Cobblestone Creek thrust slice (Figure 2) and therefore is included in the joint tenement reporting for the project.

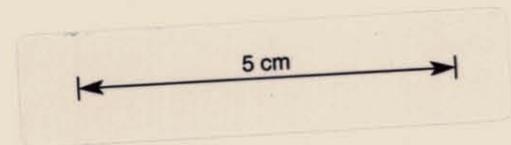
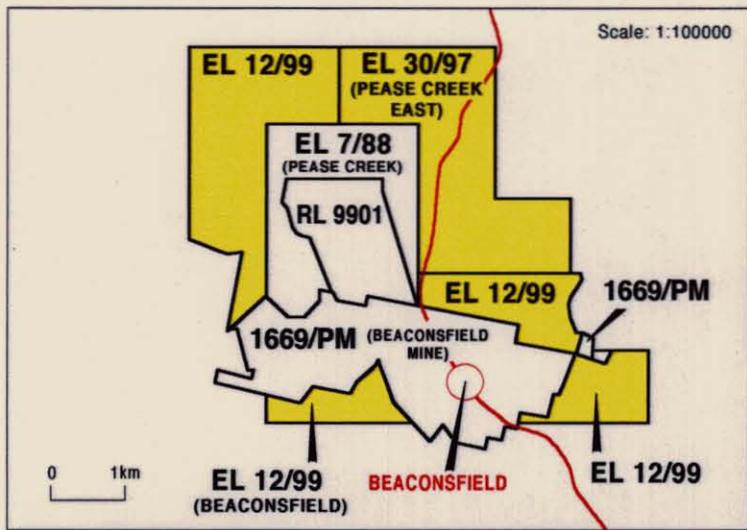
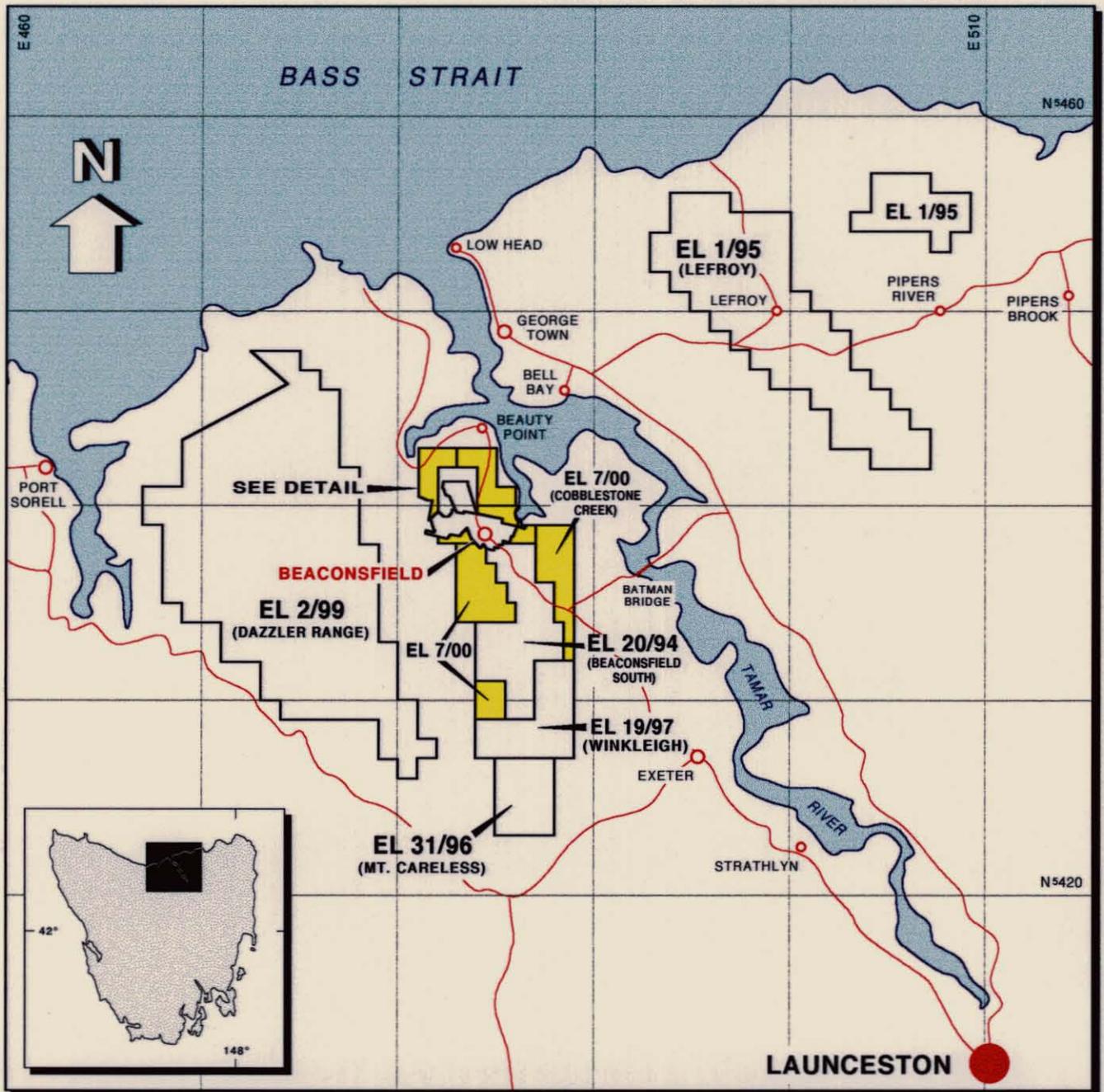
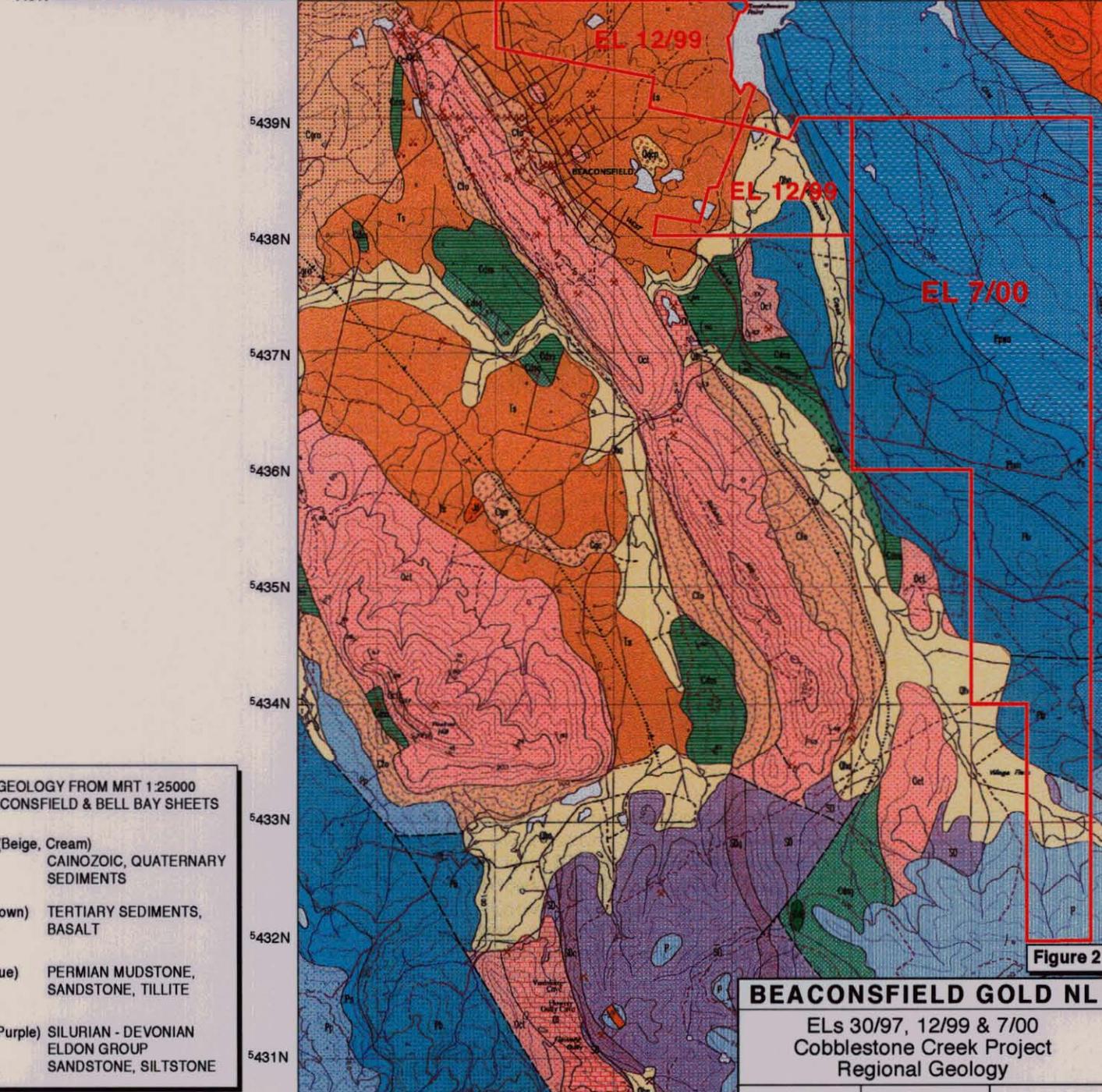
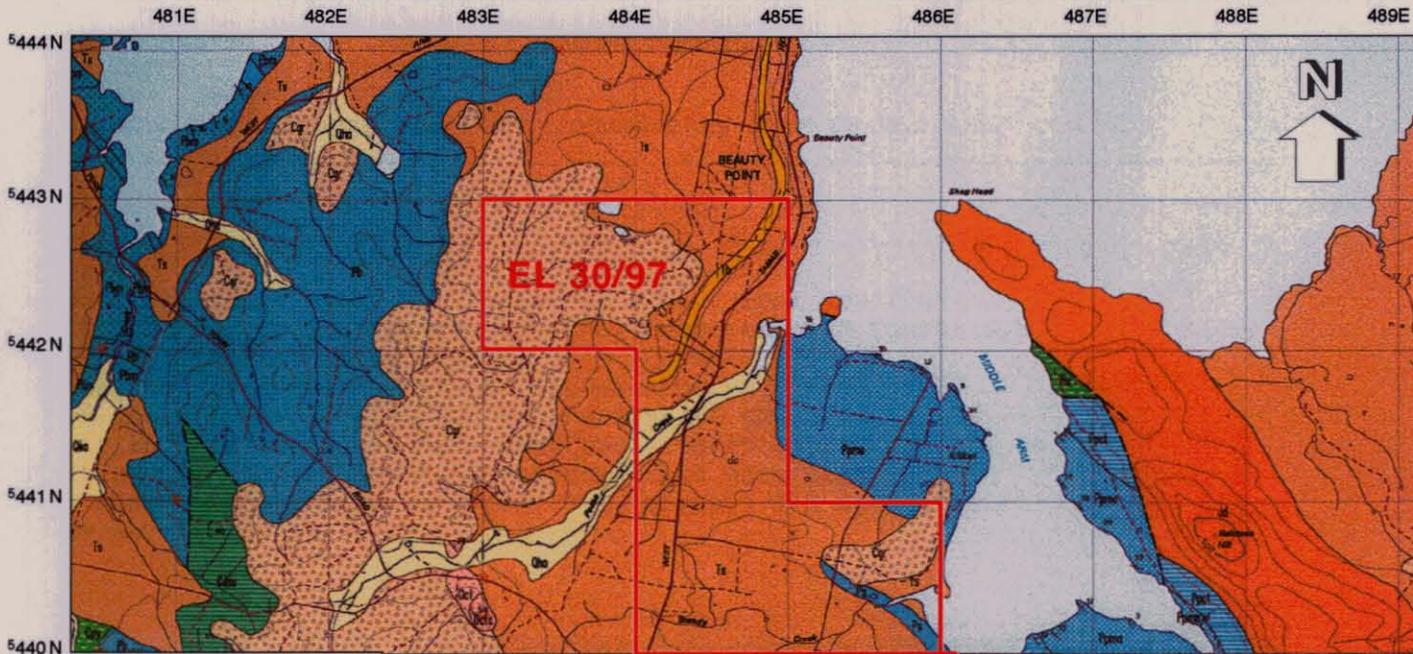


Figure 1

BEACONSFIELD GOLD NL		
ELs 30/97, 12/99 & 7/00		
Cobblestone Creek Project Location Map		
Drafting: R.Carroll	Date: August 2000	Scales: as shown



GEOLOGY FROM MRT 1 25000
BEACONSFIELD & BELL BAY SHEETS

C,Q (Beige, Cream)	CAINOZOIC, QUATERNARY SEDIMENTS
T (Brown)	TERTIARY SEDIMENTS, BASALT
P (Blue)	PERMIAN MUDSTONE, SANDSTONE, TILLITE
SD (Purple)	SILURIAN - DEVONIAN ELDON GROUP SANDSTONE, SILTSTONE

Figure 2

BEACONSFIELD GOLD NL
 ELs 30/97, 12/99 & 7/00
 Cobblestone Creek Project
 Regional Geology

Drafting: R.Carroll Date: August 2000 Scale: 1: 50 000

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Land tenure consists of freehold pasture, light forest and low density residential infrastructure and year round access exists to the entire area.

A reporting anniversary of 19 September, which co-incides with the anniversary of EL 30/97, was established for the project and this is the first report covering all work done to date on the area by Beaconsfield Gold NL.

EXPLORATION AIMS AND PHILOSOPHY

The primary aim is to find another gold ore deposit, in rocks which remain unprospected by the early workers and unexplored by modern companies because they are masked by younger cover.

The Cobblestone Creek fault block is in thrust contact with Ordovician shales located in the hanging wall of the Mine Sequence (Hills, 1998) only 250 metres NE of the Beaconsfield Mine and the large majority of the pre Permian rocks in the Cobblestone Creek block do not outcrop.

In the project area (Figure 2), with the exception of a small outcrop of Siluro-Devonian turbidites (SD) at the southern end of the EL 7/00, the whole region is covered with flat lying Permian sedimentary rocks and Cainozoic sediments and minor Tertiary basalt. Prior to the current project, the only direct evidence of the sub surface geology came from Beaconsfield Mine drill holes along strike from the Tasmania Reef (see Figure 4).

The sandstones, limestones, slates and conglomerates encountered in drill holes B8-10, B12, B30-33, together with mapped units of slate, conglomerate and volcanics, along strike to the SSE, are now all assigned to the Cambro-Ordovician Blyths Creek Formation (BCF) (MacDonald et al, 2000). The BCF therefore includes the Dallys Siltstone and keratophyre of Green (1959).

Regionally the BCF stratigraphically underlies the Denison Group (Cabbage Tree Formation, including the Transition Beds in the Beaconsfield Mine Sequence) and is thrust over the Andersons Creek Ultramafic Complex west of Beaconsfield. Basal BCF conglomerates are in part derived from the ultramafics and the unit hosts some of the gold mineralisation on Salisbury Hill, within the Cabbage Tree Hill thrust slice.

Correlates of the Denison Group and Gordon Group have not yet been demonstrated on the Cobblestone Creek thrust slice so the potential for major gold reefs below the extensive blanket of Permian – Cainozoic cover sediments is completely unknown.

In the eastern part of the Tasmania Reef there is evidence of dextral strike slip displacement so the most prospective area for a replica of the Tasmania Reef in a Cabbage Tree Hill-Salisbury Hill trend may be east of Cobblestone Creek, inside EL 7/00, beneath Permian cover of unknown thickness (Figure 2).

A major aspect of the exploration program is to test geophysical and geochemical methods for their ability to detect structural / chemical anomalies through the cover rocks and generate drill targets.

EAST BEACONSFIELD EXPLORATION RESULTS

The possible existence of ENE dipping thrust conformable Denison Group correlates, located some 800 metres NE of the Cobblestone Creek Thrust surface projection, and buried below unknown thickness of Permian and Cainozoic sediments, was predicted from both the Beaconsfield Mine drill holes into the Cobblestone Creek Thrust (Figure 4) and the strike projection of outcrop mapped by the Geological Survey, SE of Beaconsfield (MRT 1:25,000 Beaconsfield Sheet).

Interpretation of the 1998 helimagnetics survey centred on Beaconsfield (White 1998, in Hills 1998) indicated several possible linear structures striking approximately parallel to the Tasmania Reef and discordant to the predicted strike of the pre Permian rocks in the Cobblestone Creek thrust slice (see Figure 5).

In September-October 1999 an east-west fence of 6 vertical RC percussion holes was drilled across a magnetic linear feature cross cutting the predicted belt of Denison Group (Cabbage Tree Formation) correlates. Figure 3 shows the collar locations and graphic logs for the 6 percussion holes (plus the cored hole EB-7 drilled later) and the log sheets are attached in Appendix 1.

The percussion holes ranged in depth from 84 metres (EB-6) to 160 metres (EB-2) and intersected sub Permian target rocks at depths ranging from 72 metres (EB-1) to 142 metres (EB-2).

In all holes fresh Permian carbonaceous mudstone was encountered at shallow depth. Thin soil and in-situ regolith derived from the Permian mudstone, with only minor detrital gravel lag, overlies the Permian in all holes except EB-6, where 8 metres of ?Tertiary sand overlies the weathered mudstone. The Permian stratigraphy is consistent in all holes, with mudstone conformably overlying polymict tillite consisting of a matrix of silty-gritty carbonaceous mudstone, supporting a diversity of angular to rounded, mainly siliceous, rock fragments. The Permian section thickens from EB-1 towards the Tamar River but is of uniform thickness to the west of EB-1. A sharp erosional unconformity at the base of the tillite defines the contact with underlying cleaved metasedimentary rocks. Three main associations of the target rock types were encountered.

EB-6 encountered a unit of thinly interbedded orange-pink limestone and grey-green phyllite-mica schist. This unit is visually striking and characteristic of middle-lower Blyths Creek Formation (MacDonald et al, 2000).

EB-2, drilled 700 metres east of EB-6, encountered a uniform black graphitic slate, more slaty and more graphitic than known occurrences in the region of either Corn Hill Beds or Grubb Shale, but readily correlateable with lower Blyths Creek Formation, or with the Turquoise Bluff Slate in the Mathinna Beds east of the Tamar River.

In the centre of the prospect, four holes (EB-1, -3, -4 and -5) drilled a sequence of heavily veined blue grey calcareous quartz sandstone overlying a blue grey impure micritic limestone. The sandstones are in part heavily overprinted by silica, pyrite ± carbonate alteration and appear prospective for gold mineralisation. This lithology

SW

NE

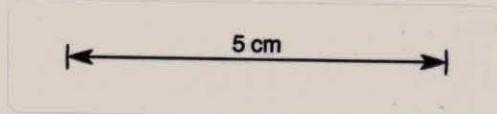
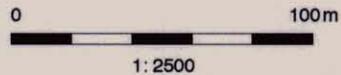
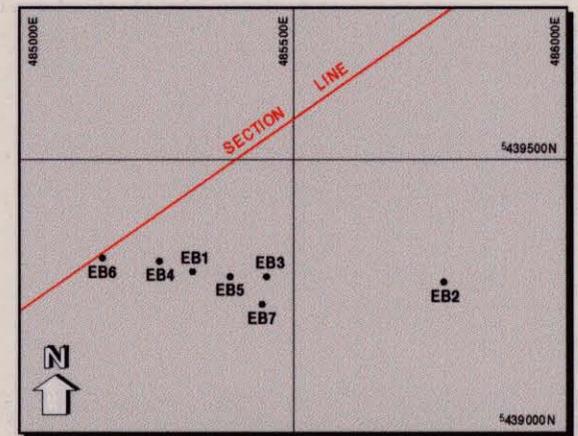
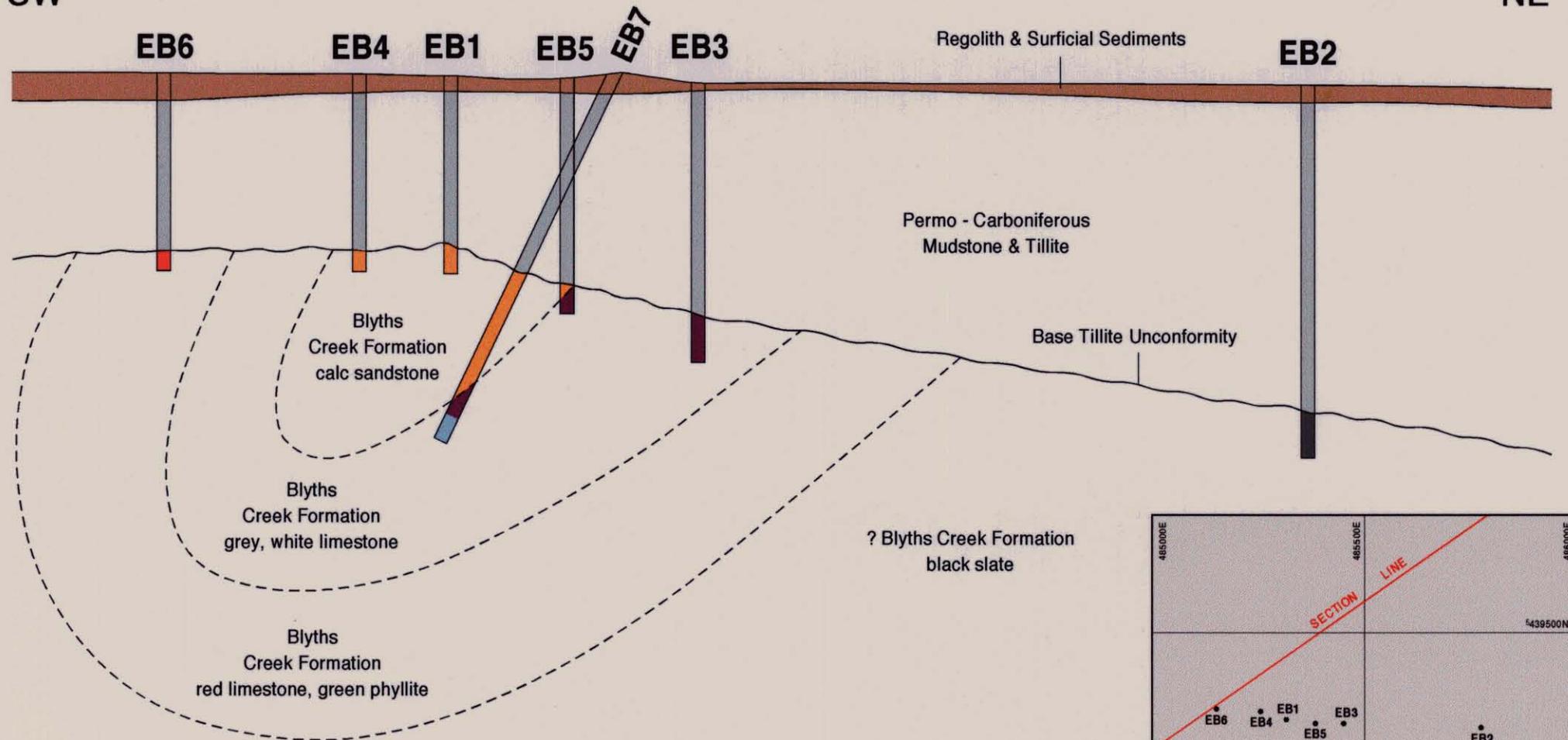


Figure 3

BEACONSFIELD GOLD NL
 ELs 30/97, 12/99 & 7/00
 East Beaconsfield Prospect
 Drill Hole Section and Interpretation
 Geology: K.Morrison | Date: Aug. 2000 | Drafting: R.Carroll

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could correlate with either the Cabbage Tree Formation in the Mine Sequence or the upper-middle Blyths Creek Formation.

Samples of the most altered sandstones in EB-1 and EB-4 were assayed for gold and arsenic (Appendices 1 & 2). No gold was detected and with the exception of one interval (EB-1, 72-73) all samples returned < 50 ppm arsenic.

In November 1999 an angled core hole was drilled into the altered sandstone unit to try and resolve structural and stratigraphic relationships and to further test for mineralised reef development in this potential host lithology. EB-7 was declined at -45° on a 294° AMG azimuth (Plan 1, Appendix 1) and cored from 12 metres to 212.80 metres EOH (Plan 1). The base Permian unconformity, with evidence of erosion and authigenic pyrite development, was encountered at 119.05 metres down hole. The target sequence comprised 53.6 metres (down hole thickness) of veined calcareous quartz sandstone, conformably overlying 40.2 metres of limestone which becomes more pure and whiter in colour with depth. Bedding is well preserved, especially as lutite interbeds in both the sandstone and the limestone. Core sample orientation by wire line spear marks consistently indicates westerly dipping bedding, ie the opposite dip direction to the Blyths Creek Formation section encountered by the B- series drilling in the immediate hanging wall to the Cobblestone Creek Thrust, 600 metres SW of EB-7 (Figure 4). This implies either folding or more faulting between EB-7 and the Cobblestone Creek Thrust. Although no direct facing evidence was found in the EB-7 core, the down hole stratigraphic sequence is consistent in order and thickness and correlates well with the core from the B- series holes to the SW. It is also consistent with the Blyths Creek Formation stratigraphy regionally (MacDonald et al, 2000). It is therefore more likely that a folded right-way-up sequence of Blyths Creek Formation rocks best explains the East Beaconsfield and earlier B- series drilling results. The nappe-like folds shown on Figure 4 would be expected within an imbricate thrust slice, especially considering the contrast in ductility between the various rock types which comprise the Blyths Creek Formation.

Synclinal and anticlinal axial positions in such structures could be ideal environments for intense fracturing and fluid trapping where major stratigraphically controlled ductility contrasts exist. The synclinal core of Blyths Creek Formation sandstone (and possibly younger Cabbage Tree Formation) predicted on Figure 4 just east of the B-8 drill hole trace, is a conceptual exploration target for that reason.

A zone of intense silica-pyrite alteration overprints part of the veined calcareous sandstone unit, from 146.35 to 162.80 metres (Plan 1, Photos 1 & 2). Assaying of the complete alteration zone however revealed no gold or arsenic (Plan 1, Appendices 1 & 2). The location of this alteration zone is consistent with the linear magnetic trend on which the East Beaconsfield drilling was based (Target 16, Figure 5) so despite the absence of gold to date there is reason to believe that fractures which have transmitted hydrothermal fluids have expression in the magnetic data.

Expenditure

Exploration on the project commenced in July 1999, and cumulative expenditure to 31 August 2000 is \$70,641, all of which has been spent on EL 12/99.



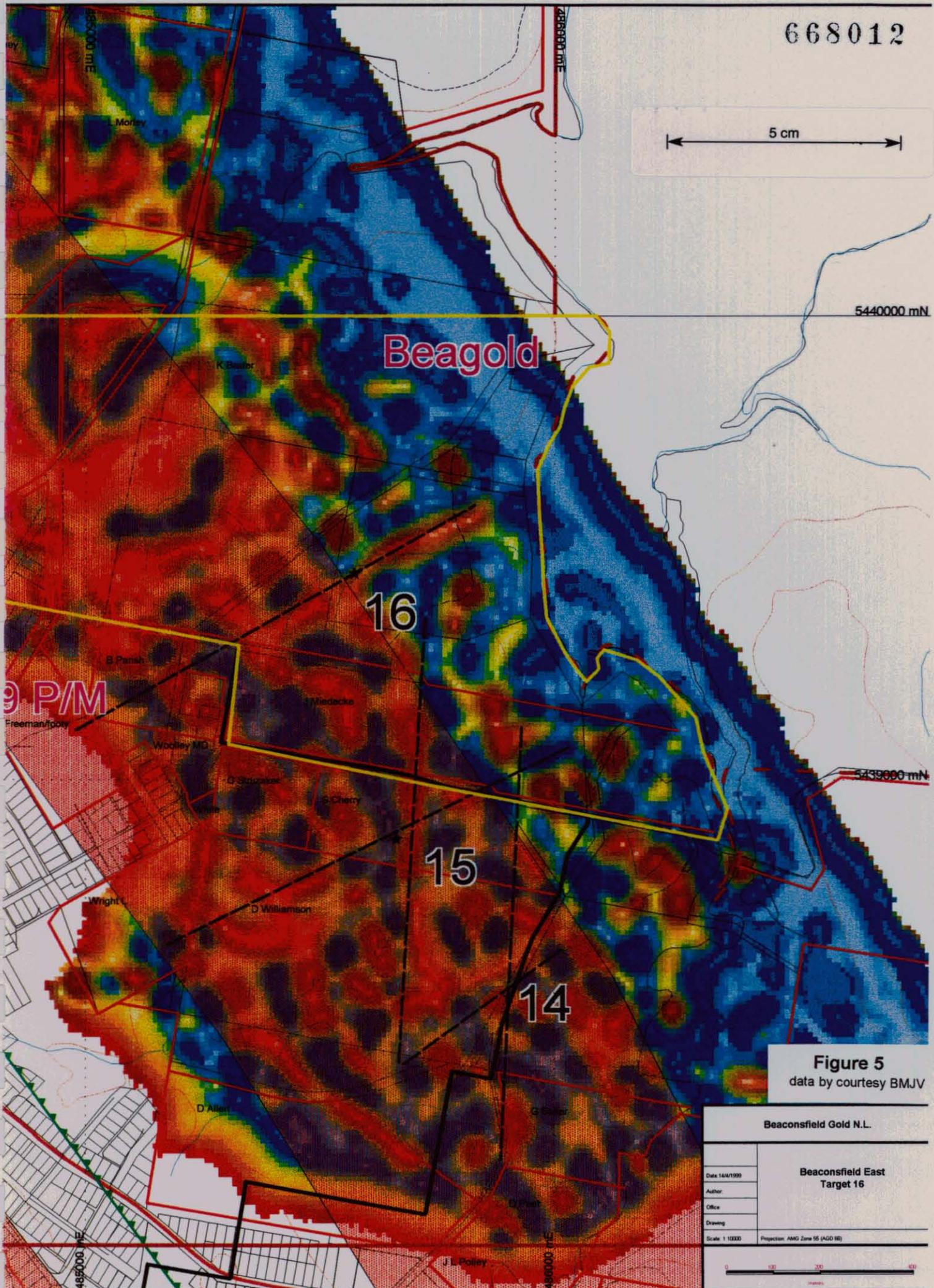
Photo 1 Unconformable contact at 119.05 m between overlying basal Permian marine tillite and underlying heavily calcite-quartz veined blue grey calcareous quartz sandstone assigned to the upper Blyths Creek Formation.



Photo 2 Example of intense silica pyrite alteration in EB-7, 155.75 – 156.00 metres (down hole to the right), overprinting the veined sandstone unit in Photo 1. The alteration zone is 16.4 metres wide (drill width) but barren of gold in EB-7.

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5 cm



9 P/M

Beagold

16

15

14

Figure 5
data by courtesy BMJV

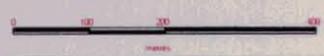
Beaconsfield Gold N.L.

Date 14/1/1999
 Author
 Office
 Drawing

Beaconsfield East
Target 16

Scale 1:10000

Projection: AMG Zone 55 (AGO 88)



WORK PROGRAM TO 19 SEPTEMBER 2001

Methods which see through the Permian rocks in the south of the region and the Tertiary and Quaternary unconsolidated sediments to the north, must be established to generate cost effective drilling targets. Cover thickness needs to be mapped across the project area and geochemical and/or structural anomalies need to be located in the pre Permian sub surface rocks.

Seismic reflection profiling has potential to map the contact at the base of flat lying cover rocks and sediments and with depth control already established by the East Beaconsfield drilling, this method will be tested between EB-6 and EB-2. If successful, seismic will then be applied to mapping the base Permian surface east of Cobblestone Creek within the NE block of EL 7/00.

Mobile Metal Ion (deep leach) soil geochemistry will also be trialled, across both the Permian and Cainozoic cover materials.

High resolution helimagnetics exist over most of the project area and a number of possible ENE and N-S striking structures have been identified. Further processing and interpretation of the survey data may be undertaken with the aim to identify coincident geochemical leakage from structures

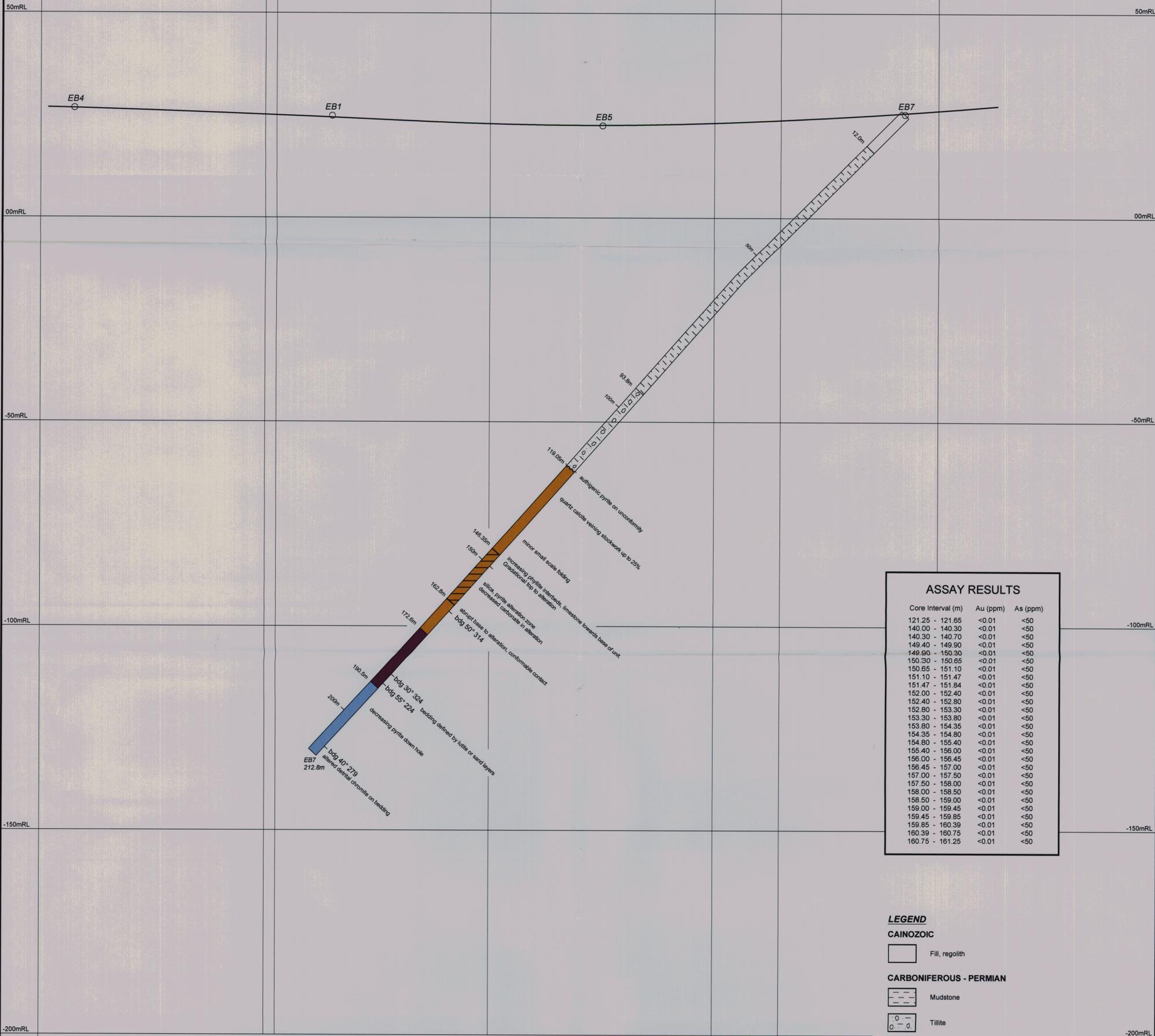
Any reasonable targets will be drilled, on a timetable driven mainly by availability of exploration funds generated from mine revenue.

REFERENCES

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- Hills, P.B., 1998. Tasmania gold deposit, Beaconsfield in *Geology of Australian and Papua New Guinean Mineral Deposits*, (Eds. D.A. Berkman and D.H. MacKenzie), pp 467-472, The Australasian Institute of Mining and Metallurgy: Melbourne.
- Hills, P.B., 1998. Allstate Explorations NL, Beaconsfield EL 7/88, Final Report 1998.
- MacDonald, G., Hills, P.B., & Reed, A.R., 2000. Pre-Permian Geology Beaconsfield Region, Unpublished notes for GSA excursion.

NW

SE



ASSAY RESULTS

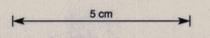
Core Interval (m)	Au (ppm)	As (ppm)
121.25 - 121.65	<0.01	<50
140.00 - 140.30	<0.01	<50
140.30 - 140.70	<0.01	<50
149.40 - 149.90	<0.01	<50
149.90 - 150.30	<0.01	<50
150.30 - 150.65	<0.01	<50
150.65 - 151.10	<0.01	<50
151.10 - 151.47	<0.01	<50
151.47 - 151.84	<0.01	<50
152.00 - 152.40	<0.01	<50
152.40 - 152.80	<0.01	<50
152.80 - 153.30	<0.01	<50
153.30 - 153.80	<0.01	<50
153.80 - 154.35	<0.01	<50
154.35 - 154.80	<0.01	<50
154.80 - 155.40	<0.01	<50
155.40 - 156.00	<0.01	<50
156.00 - 156.45	<0.01	<50
156.45 - 157.00	<0.01	<50
157.00 - 157.50	<0.01	<50
157.50 - 158.00	<0.01	<50
158.00 - 158.50	<0.01	<50
158.50 - 159.00	<0.01	<50
159.00 - 159.45	<0.01	<50
159.45 - 159.85	<0.01	<50
159.85 - 160.39	<0.01	<50
160.39 - 160.75	<0.01	<50
160.75 - 161.25	<0.01	<50

- LEGEND**
- CAINOZOIC**
 [] Fill, regolith
- CARBONIFEROUS - PERMIAN**
 [] Mudstone
 [] Tillite
- DEVONIAN**
 [] Silica - pyrite alteration overprint
- CAMBRIAN - ORDOVICIAN
 (? Blyths Creek Formation)**
 [] Grey blue calcareous quartz sandstone with abundant quartz calcite veins, minor interbedded green phylitic shale
 [] Grey, white, minor pink stylonitic, sandy limestone with minor interbedded grey green phylitic shale
 [] White limestone

DRILLHOLE PLAN - 1:3000



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Report on Exploration to 19 September 2000 -
 Cobblestone Creek Project - EL's 30/1997, 12/1999 &
 Beaconsfield Gold NL*
 Morrison, K.C. EL12/1999; EL30/1997

Beaconsfield Gold N.L.

ELs 30/97, 12/99 and 7/00
EAST BEACONSFIELD PROSPECT
DRILL SECTION
EB7
 SECTION BEARS 294° AMG

SCALE 1:500

COMPILED : K. C. M.
 DATE : August 2000
 DRAWN : G. M. Bennett
 REVISIONS :
 FILE No. EB7 Section
PLAN 1

Appendix 1

Drill Logs

**Beaconsfield Gold NL
RC Percussion Drill Log**

Tenement: EL 12/99
Prospect: East Beaconsfield
Hole No: EB-1
Date Drilled: 13-9-99
Driller: Stacpoole-W Bald

Collar: 485,316E 5,439,297N
RL: 24.91 m
AZM: N/A
Dip: - 90
Hole Diameter: 4 3/4 inch

Total Depth: 88 m
Water Table: 6 m
Base of Oxid'n: 7 m
Sample No's: EB1 62-63 to 87-88
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-3	Regolith	Cainozoic	damp yell brn, gry clay; rare qtz pebbles
3-6	Regolith	Cainozoic	mottled yell wht red brn damp clay, minor indurated mdst frags, water at 6 m
6-9	Mudstone	Permian	heavily weathered wet decomp mdst, yell brn, gry clay, base oxid at 7 m
9-14	Mudstone	Permian	dk gry soft carb mdst, trace qtzite rock chips, wet samples
14-61	Mudstone	Permian	uniform fresh dk gry carb mdst, minor silty zones, trace vein qtz frags
61-72	Tillite	Permian	dk gry mdst and polymict siliceous rock frags, mainly multicoloured chert, qtzite, abund pyrite at base
72-78	Sandstone	BCF	lt gry calc qtz sst, common calc>qtz veinlets, carbonate dissolution textures in vqtz veins, silica carbonate pyrite overprint, pyrite locally common

ASSAYS (ppm)		
Interval (m)	Au	As
62-63	<0.01	10
62-64	<0.01	2
64-65	<0.01	1
65-66	<0.01	<1
66-67	<0.01	4
67-668	<0.01	3
68-69	<0.01	1
69-70	<0.01	6
70-71	<0.01	6
71-72	<0.01	10
72-73	<0.01	65
73-74	<0.01	21
74-75	<0.01	16
75-76	<0.01	<1
76-77	<0.01	5
77-78	<0.01	1

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Depth (m)	Litho	Unit	Description
78-88	Sandstone	BCF	med-dk gry blue, wht med qtz sst with calcite silica alteration (less altered than 72-78), minor pyrite
EOH			

ASSAYS (ppm)		
Interval (m)	Au	As
78-79	<0.01	5
79-80	<0.01	6
80-81	<0.01	2
81-82	<0.01	6
82-83	<0.01	4
83-84	<0.01	7
84-85	<0.01	10
85-86	<0.01	12
86-87	<0.01	4
87-88	<0.01	9

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**Beaconsfield Gold NL
RC Percussion Drill Log**

Tenement: EL 12/99
Prospect: East Beaconsfield
Hole No: EB-4
Date Drilled: 28/9/99
Driller: Stacpoole-W Bald

Collar: 485,255 E 5,439,315 N
RL: 26.74
AZM: N/A
Dip: - 90
Hole Diameter: 4 ¾ inch

Total Depth: 90 m
Water Table: 30m
Base of Oxid'n: 8 m
Sample No's: EB4 75-76 to 89-90
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-1	Regolith	Cainozoic	gry loamy soil, dry clay, gravel
1-2	Regolith	Cainozoic	yell brn moist clay, qtz pebbles
2-6	Regolith	Cainozoic	mottled red brn yell wht clay, qtz pebbles
6-8	Mudstone	Permian	red brn, gry decomp mdst, base oxid at 8 m
8-19	Mudstone	Permian	dk gry dry carb mdst, large samples, soft rock to hammer
19-60	Mudstone	Permian	uniform dk gry carb mdst, traces cherty qtzite rock frags, grit, minor water at 30 m
60-75	Tillite	Permian	dk gry gritty mdst, sand, broken polymict rock frags
75-90	Sandstone	BCF	pale gry to grn gry silicified, calc fine qtz sst, common pyrite, trace ?arsenopyrite, variable qtz calcite veining, common grn fuchsite after detrital chromite
EOH			

ASSAYS (ppm)		
Interval (m)	Au	As
75-76	△0.01	8
76-77	△0.01	<1
77-78	△0.01	8
78-79	△0.01	3
79-80	△0.01	6
80-81	△0.01	1
81-82	△0.01	<1
82-83	△0.01	<1
83-84	△0.01	<1
84-85	△0.01	<1
85-86	△0.01	2
86-87	△0.01	4
87-88	△0.01	4
88-89	△0.01	<1
89-90	△0.01	<1

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**Beaconsfield Gold NL
RC Percussion Drill Log**

Tenement: EL 12/99
Prospect: East Beaconsfield
Hole No: EB-5
Date Drilled: 29/9/99
Driller: Stacpoole-W Bald

Collar: 485,384 E, 5,439,288 N
RL: 22.54 m
AZM: N/A
Dip: - 90
Hole Diameter: 4 3/4 inch

Total Depth: 100 m
Water Table: 43 m
Base of Oxid'n: 5.5 m
Sample No's: N/A
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-1	Regolith	Cainozoic	gry brn loamy soils, clay
1-5	Regolith	Cainozoic	yell brn red brn clay, decomp mdst
5-6	Mudstone	Permian	gry soft decomp mdst, dry, base oxid at 5.5 m
6-20	Mudstone	Permian	soft dk gry carb mdst
20-67	Mudstone	Permian	uniform dk gry non cleaved silty mdst, large dry samples, water at 43 m
67-91	Tillite	Permian	dk gry gritty mdst matrix with broken multi coloured polymict (mainly quartzite, chert, vein qtz) rock frags
91-100	Limestone	BCF	dk blu gry hard crystalline lmst, abund calcite qtz veining, up to 50% of rock, minor dissem pyrite
EOH			

ASSAYS (ppm)		
Interval (m)	Au	As

Beaconsfield Gold NL

Diamond Drill Hole Summary Log Sheet

Tenement: EL 12/99
Prospect: East Beaconsfield
Hole No: EB-7
Date Drilled: 1-22 November 1999
Driller: Stacpoole-W Bald

Collar: 485,443E, 5,439,238N AMG
RL: 25.35m
AZM: 294 AMG
Dip: -45
Core Size: HQ 18.00 to 212.80 m

Total Depth: 212.8m
Water Table: ~ 12.0 m
Base of Oxid'n: 18.0m
Sample No's: EB7-01 to -28
Geologist: K Morrison

Purpose		Results
<p>To test the orientation, stratigraphic position and evidence for mineralisation in a unit of altered calc sandstone intersected in percussion holes EB-1 and EB-4.</p>	<p><i>Core Recovery:</i> 99.7%</p> <p><i>Down Hole Surveys</i></p> <ol style="list-style-type: none"> 1. 114 metres, Dip -48.5° AZ 293° AMG 2. 160 metres Dip -48° AZ 292° AMG 3. 210 metres Dip -47.5° AZ 293° AMG 	<p>Below the base Permian tillite unconformity (119.05 m) the hole intersected a sequence of calcareous quartz sandstone, impure and pure limestones with interbedded green phyllite, down to 212.80 m EOH. The sequence is interpreted as Blyths Creek Formation and orientated core readings show a NW to SW bedding dip. The intersection is interpreted to be on the east limb of a syncline above the Cobblestone Creek Thrust. A silica-pyrite alteration zone overprints part of the calc sandstone unit, from 146.35 to 162.80 metres down hole. The alteration position corresponds to a NE trending magnetic linear. No gold or arsenic were encountered.</p>

**Beaconsfield Gold NL
Diamond Drill Hole Core Log**

Tenement: EL 12/99
Prospect: East Beaconsfield
Hole No: EB-7
Date Drilled: 1-22 Nov 1999
Driller: Stacpoole-W Bald

Collar: 485,443 E, 5,439,238 N
RL: 25.35 m
AZM: 294 AMG
Dip: -45
Core Size: HQ 18.00 to 212.80 m

Total Depth: 212.8 m
Water Table: ~12.0 m
Base of Oxid'n: 18.0 m
Sample No's: EB7-01 to -28
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-12.0	Sediment	Czrg	clay, gravel, rock, wood fill material
12.0-18.0	Mudstone	Pbt	soft heavily weathered yellow brown, grey mudstone, start coring HQ at 18 m
18.0-19.5	Mudstone	Pbt	broken, partly weathered grey carb mudstone
19.5-93.8	Mudstone	Pbt	fresh dark grey bioturbated carb mudstone, occasional matrix supported quartz pebble, minor calcite, pyrite development in fracture surfaces, BCA 45-50°
93.8-119.05	Tillite	Pbt	polymict, mainly matrix supported conglom / sed breccia, silty carb mudstone, mainly siliceous clasts. fining-up transitional upper contact, erosional unconformity at base with abundant nodular authogenic pyrite
119.05-119.20	Sandstone	Cbcs	deformed brecciated top to calc quartz sandstone, abund v quartz, pyrite
119.20-133.6	Sandstone	Cbcs	blue grey black med qtz sst, abund secondary calcite mottling, up to 25% calcite quartz veining in stockwork texture (unmineralised), minor carb laminae with vf pyrite, stylolitic discordant structures with high carb/MnO ₂ concentrations

ASSAYS (ppm)		
Interval (m)	Au	As
121.25-121.65	<0.01	<50

Depth (m)	Litho	Unit	Description
133.6-146.35	Sandstone/ Phyllite	Cbcs	blue grey calcareous, locally carbonaceous, heavily veined sst A/A, interbedded with grey green phyllite, minor impure lmst, small scale folding in interbeds. lutite interbeds increasing down hole 135 m BCA 40° 141 m BCA. zone of silica pyrite enrichment 140.0 -- 148 ., up to 10% pyrite, mainly in phyllite laminae
146.35-162.8	Silica- Pyrite alteration	Cbcs	pervasive alteration overprinting Cbcs zone has gradational top, abrupt base, alteration consists of silica flooding + 5-10% pyrite, central part of zone most intense, includes fine black undulose stockwork and wispy stylolite like stringers, glassy silica-pyrite overprints the matrix carbonate in sst, increased ankerite content in veins
162.8-172.6	Sandstone/ Phyllite	Cbcs	blue grey heavily veined calc qtz sst interbedded with grey green phyllite grading to impure limestone (same unit as above alt zone), 164.8 m bdg dip 50°.314
172.6-190.5	Limestone	Cbcgl	conformably underlying Cbcs, sandy micritic lmst grading from grey stylolite impure lmst with minor

ASSAYS (ppm)		
Interval (m)	Au	As
140.00-140.30	<0.01	<50
140.30-140.70	<0.01	<50
149.40-149.90	<0.01	<50
149.90-150.30	<0.01	<50
150.30-150.65	<0.01	<50
150.65-151.10	<0.01	<50
151.10-151.47	<0.01	<50
151.47-151.84	<0.01	<50
152.00-152.40	<0.01	<50
152.40-152.80	<0.01	<50
152.80-153.30	<0.01	<50
153.30-153.80	<0.01	<50
153.80-154.35	<0.01	<50
154.35-154.80	<0.01	<50
154.80-155.40	<0.01	<50
155.40-156.00	<0.01	<50
156.00-156.45	<0.01	<50
156.45-157.00	<0.01	<50
157.00-157.50	<0.01	<50
157.50-158.00	<0.01	<50
158.00-158.50	<0.01	<50
158.50-159.00	<0.01	<50
159.00-159.45	<0.01	<50
159.45-159.85	<0.01	<50
159.85-160.39	<0.01	<50
160.39-160.75	<0.01	<50
160.75-161.25	<0.01	<50

668025

Depth (m)	Litho	Unit	Description
			fissile phyllitic interbeds, down to more pure paler lmst, minor pyrite. 146.8 m BCA 10°, 149 m BCA 20°, 185.8 m bdg dip 30°.324, 188.8 m bdg dip 55°.224
190.5-212.8	Limestone	Cbcwl	white, minor pink, grey relatively pure fine crystalline lmst with zone of poorly sorted coarse quartz sand. At 212 m detrital chromite with fuchsite rims + quartz grains define bedding, minor fissile phyllitic interbeds. 200 m BCA 10-20°, 209 m bdg dip 40°.279
EOH			

ASSAYS (ppm)		
Interval (m)	Au	As

668026

**Beaconsfield Gold NL
EB-7 Core Recovery Log**

Drill Interval (m)	Core Length (m)	Core Recovery (%)
18.00-20.85		
20.85-23.75		
23.75-26.50		
26.50-29.10		
29.10-32.20		
32.20-35.00		
35.00-37.85		
37.85-40.70		
40.70-43.50		
43.50-46.35		
46.35-49.20		
49.20-51.85		
51.85-54.70		
54.70-58.10		
58.10-60.80		
60.80-62.95		
62.95-65.70		
65.70-68.55		
68.55-71.35		
71.35-74.20		
74.20-77.20		
77.20-79.95		
79.95-82.65		
82.65-85.45		
85.45-88.15		
88.15-91.00		
91.00-93.80		
93.80-96.60		
96.60-99.40		
99.40-102.25		
102.25-105.00		
105.00-107.80		
107.80-110.65		
110.65-113.50		
113.50-116.40	topBCF	
116.40-119.30	2.65	91.4
119.30-121.90	2.70	103.8
121.90-124.70	2.75	98.2
124.70-127.50	2.78	99.3
127.50-130.15	2.55	96.2
130.15-132.85	2.76	102.2
132.85-135.40	2.52	98.8
135.40-138.10	2.70	100.0

Drill Interval (m)	Core Length (m)	Core Recovery (%)
138.10-140.80	2.72	100.7
140.80-134.35	2.58	101.2
143.35-145.95	2.47	95.0
145.95-148.55	2.66	102.3
148.55-151.10	2.60	102.0
151.10-153.65	2.50	98.0
153.65-156.30	2.55	96.2
156.30-159.00	2.62	97.0
159.00-161.65	2.67	100.8
161.65-164.35	2.75	101.9
164.35-167.20	2.60	91.2
167.20-170.10	2.65	91.4
170.10-172.75	2.70	101.9
172.75-174.90	2.70	125.6
174.90-177.65	2.72	98.9
177.65-180.30	2.66	100.3
180.30-182.80	2.60	104.0
182.80-185.60	2.76	98.6
185.60-188.25	2.70	101.9
188.25-190.90	2.65	100.0
190.90-193.70	2.75	98.2
193.70-196.30	2.62	100.8
196.30-198.70	2.45	102.1
198.70-201.30	2.60	100.0
201.30-204.05	2.63	95.6
204.05-206.80	2.78	101.1
206.80-209.45	2.68	101.1
209.45-211.95	2.50	100.0
211.95-212.80	0.85	100.0
TOTALS	96.13	99.72

Appendix 2

Assay Data

A N A L A B S



Our reference : BU016956
Your reference : Drill Chip Samples
Project code :
Date received : 05/10/99
Date reported : 22/10/99

Analabs Pty. Ltd.
ACN 004 591 664
14 Thirkell St. Burnie
Tasmania 7320
Telephone : (03) 6431 6837
Facsimile : (03) 6431 8890

Ken Morrison
Managing Geologist
K.C. Morrison Pty Ltd
Beaconsfield Gold NL
41 Tasma Street
NORTH HOBART

TAS 7000

Number of pages of results : 1
Number of Samples : 41
First Sample : EB1 62-63
Last Sample : EB4 89-90

Invoice to:
Ken Morrison
Managing Geologist
K.C. Morrison Pty Ltd
Beaconsfield Gold NL
41 Tasma Street
NORTH HOBART

TAS 7000

Electronic Data Transmission :
Modem Y 22/10/99
Facsimile //
Disk Report Y //

Results to:

Results to:

Remarks:

Authorised by
On behalf of:

Rob Chapman
Laboratory Manager

The results in the following analytical report pertain to the samples provided to this laboratory for preparation and/or analysis as requested by the client.

A N A L A B S



Our reference : BU017240
 Your reference : Drop Off 6/12
 Project code : Drill Core
 Date received : 07/12/99
 Date reported : 15/12/99

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St, Burnie
 Tasmania 7320
 Telephone : (03) 6431 6837
 Facsimile : (03) 6431 8890

Ken Morrison
 Managing Geologist
 K.C. Morrison Pty Ltd
 Beaconsfield Gold NL
 41 Tasma Street
 NORTH HOBART

TAS 7000

Number of pages of results : 1
 Number of Samples : 28
 First Sample : EB7-13
 Last Sample : EB7-12

Invoice to:
 Ken Morrison
 Managing Geologist
 K.C. Morrison Pty Ltd
 Beaconsfield Gold NL
 41 Tasma Street
 NORTH HOBART

TAS 7000

Electronic Data Transmission :
 Modem Y 15/12/99
 Facsimile //
 Disk Report Y //

Preliminary Reports :
 09/12/99 Report

Results to:

Results to:

Remarks:

Authorised by
 On behalf of: 

Rob Chapman
 Laboratory Manager

The results in the following analytical report pertain to the samples provided to this laboratory
 for preparation and/or analysis as requested by the client.
 A subsidiary of Scientific Services Limited

