

Beaconsfield Gold NL
ELs 12/1999, 7/2000 & 27/2000
North Pease Creek & Cobblestone Creek Projects
Annual Exploration Report to 19 Sept 2006

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28 August 2006

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SUMMARY

Exploration in the year to 19 September 2006 consisted of a program of 8 RC percussion and diamond drill holes at North Pease Creek. The holes ranged in depth from 79 to 202 metres, for a total of 1222.6 metres, and were sited to follow up mineralisation encountered the previous year.

The best intersection was a disappointing one metre @ 1.35 g/t Au from 146 metres in NPC-23 but the program confirmed the widespread extent at North Pease Creek of a characteristic gold/arsenic mineralised pyrite stockwork/fracture system and ankerite veinlet stockwork style of alteration. This alteration is hosted in black carbonaceous sandstones and granule conglomerates within the lower Eaglehawk Gully Formation and throughout the Salisbury Hill Formation, although apparently more frequent above the massive conglomerates at the base of the sequence. There is petrographic evidence for a hydrothermal origin to the carbonaceous material in the host rocks but the stratigraphy and logging descriptions tend to support a provenance control.

Long section and cross section plots of all North Pease Creek drilling to date show that the stratigraphy dips to the northeast, and is therefore conformable with the Cabbage Tree Thrust, and that the mineralisation is probably in stratiform structures. If this interpretation is correct both the Pease Creek and North Pease Creek prospects remain ineffectively tested and another drilling program is required.

EL 12/1999 expired during the current year. Further drilling is planned on the two remaining licences, EL 7/2000 and EL 27/2000, for the next year but the timing and work program are dependent largely on the revival of the Beaconsfield Mine and the degree of overlap with the Beaconsfield Mine Joint Venture new target exploration currently in progress.

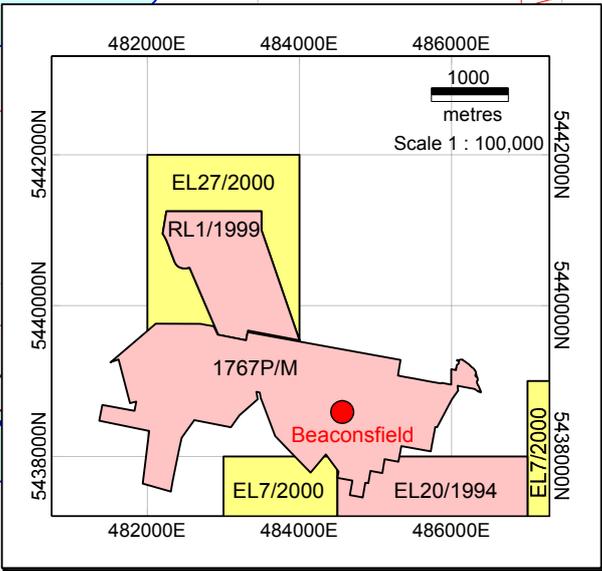
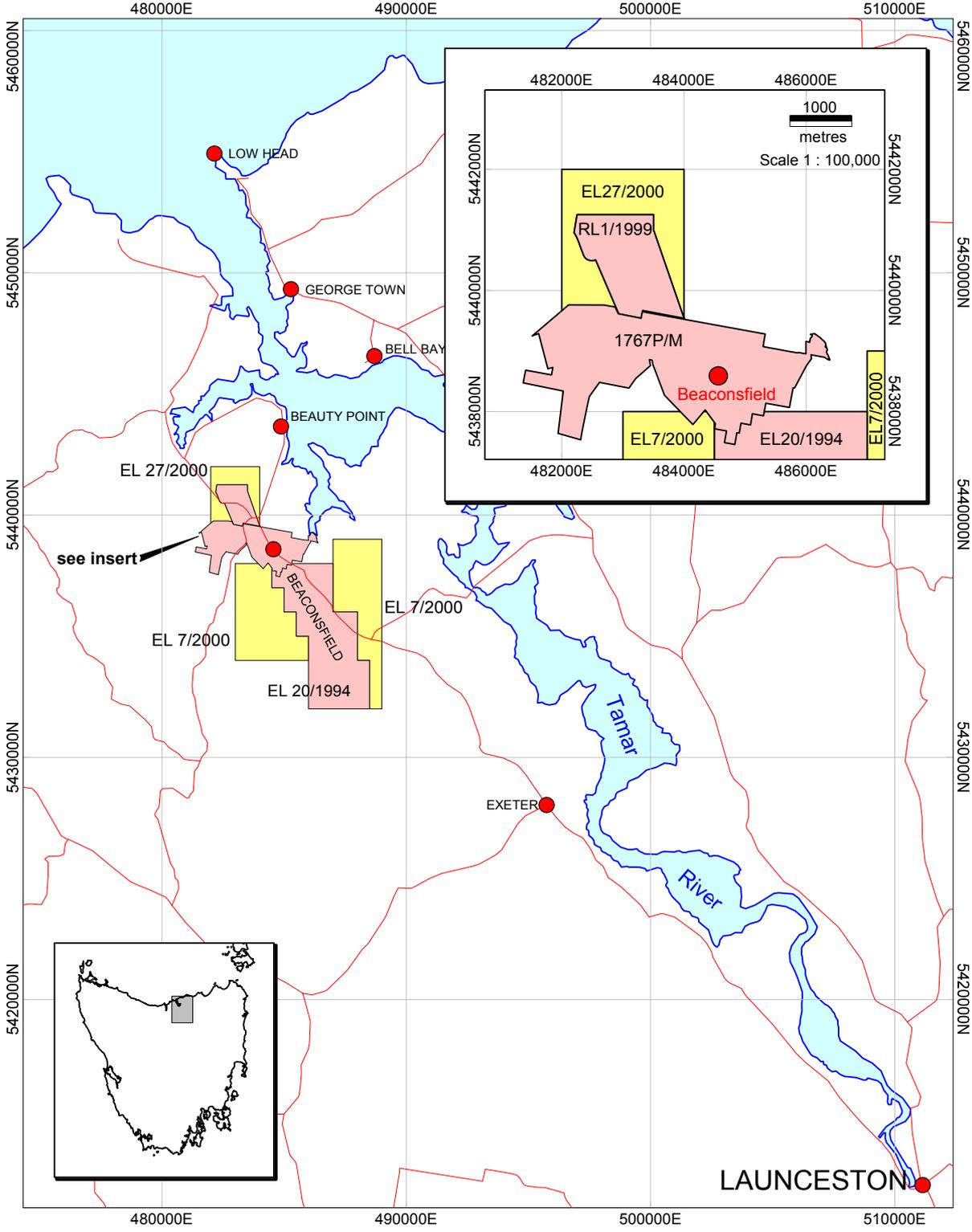
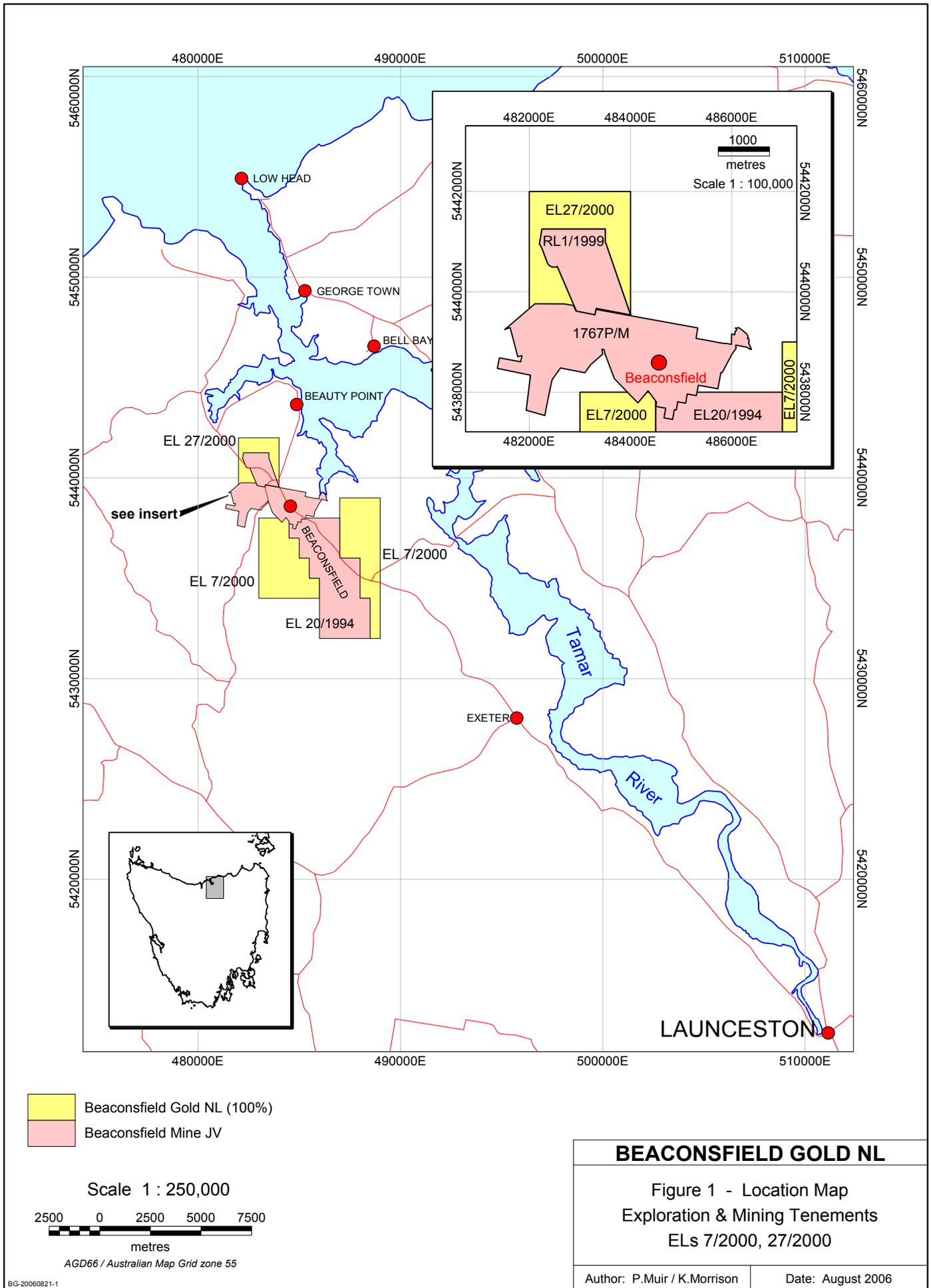
INTRODUCTION AND TENEMENT INFORMATION

During the year ending 19 September 2006 exploration continued along the strike extension of the Beaconsfield Mine Sequence rocks, below Permian and Cainozoic cover sediments northwest of the Pease Creek prospect.

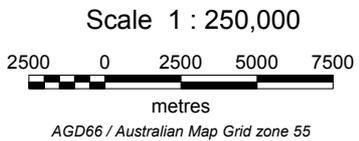
EL 12/1999 expired and was not re-applied for, so the current BGNL tenement holding (Figure 1) comprises the residual of EL 7/2000 (17 km²), following the partial relinquishment in September 2005, and the entire original area of EL 27/2000 (3 km²).

Land tenure consists of freehold pasture and light forest, Crown Reserves under light forest and low density residential and agricultural infrastructure. All year round access exists to the entire area via a combination of vehicular roads and tracks and short distance walking.

A joint EL annual reporting facility was authorized by Mineral Resources Tasmania on 11 January 2000, with an anniversary date of 19 September, and that system has been maintained for both the North Pease Creek and Cobblestone Creek projects.



- Beaconsfield Gold NL (100%)
- Beaconsfield Mine JV



During the year ending 19 September 2006 the main activity was the drilling of eight holes at North Pease Creek. Drilling conducted by the Beaconsfield Mine Joint Venture commenced at Middle Arm Gorge and is on-going. The results of this project will determine the potential for an easterly extension of a mineralised structure onto EL 7/2000 and the extent of future drilling on that EL.

EXPLORATION AIMS AND PHILOSOPHY

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

The Cobblestone Creek fault block is in thrust contact with Ordovician shales located in the stratigraphic 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. Similarly, the northwestern strike extension of the mineralised Ordovician Mine Sequence rocks at Pease Creek (MacDonald, 1998; Hills and MacDonald, 1999) is overlain by varying thicknesses of Cainozoic sediments and Permian sedimentary rocks, therefore new exploration targets in these two prospective areas will be entirely blind at the surface and unexplored by previous workers.

Progress in underground mapping at the Beaconsfield Mine (MacDonald, 2004) shows that the Devonian thrust emplacement of the Cabbage Tree and Cobblestone Creek blocks occurred prior to reef mineralisation and so fault structures similar to those hosting the Tasmania and Pease Creek reefs may exist, under cover, in brittle lithologies juxtaposed by thrust, wrench or normal faults against rocks of contrasting ductility. In the eastern part of the Tasmania Reef there is evidence of dextral strike slip displacement so a prospective area for a replica of the Tasmania Reef in a Cabbage Tree Hill-Salisbury Hill trend may be east of the Cobblestone Creek Thrust, beneath Permian cover of unknown thickness. Within the Cabbage Tree block, mineralisation in Mine Sequence correlates was previously established as far northwest as Pease Creek but the prospective corridor has now been extended for some 2 km northwest of the Pease Creek discovery. Both plays are being evaluated by the current program.

SUMMARY OF PREVIOUS EXPLORATION

The Cobblestone Creek project commenced in 2000, with an east-west fence of seven drill holes completed on the East Beaconsfield prospect, a target based on the predicted sub-surface intersection of an interpreted NE striking magnetic linear from a 1998 helimagnetic survey, and a NNW striking belt of Denison Group rocks (Morrison, 2000).

The geology encountered by the seven holes was 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 interpreted magnetic linear.

No gold and no significant arsenic enrichment were detected in the alteration.

No exploration was conducted during the period from 2001 to 2004 when the company was in receivership.

BGNL recommenced regional exploration on the Cobblestone Creek area and commenced the North Pease Creek project in March 2004 (Morrison and Muir, 2004). In the part year ending 19 September 2004, several linear trends identified by re-processing the 1988 Austirex fixed wing magnetic/radiometric survey were interpreted as probable faults. Four of these trends within the Cobblestone Creek Thrust slice were traversed with trial lines of Mobile Metal Ion soil geochemistry, producing encouraging gold, base metal and arsenic results on three major NE-SW trends.

Seismic refraction was trialled at East Beaconsfield and Pease Creek in an attempt to map the thickness of cover rocks and sediments overlying the target Cambro-Ordovician units. At East Beaconsfield, the seismic velocity of Permian mudstone could not be distinguished from the underlying rocks but at Pease Creek the base Tertiary/top Mine Sequence contact and the Salisbury Hill Formation/Eaglehawk Gully Formation contact were successfully detected. A combination of seismic reflection and ground magnetics could have potential for overburden thickness mapping but it was concluded that scout drilling would more effectively use the exploration budget.

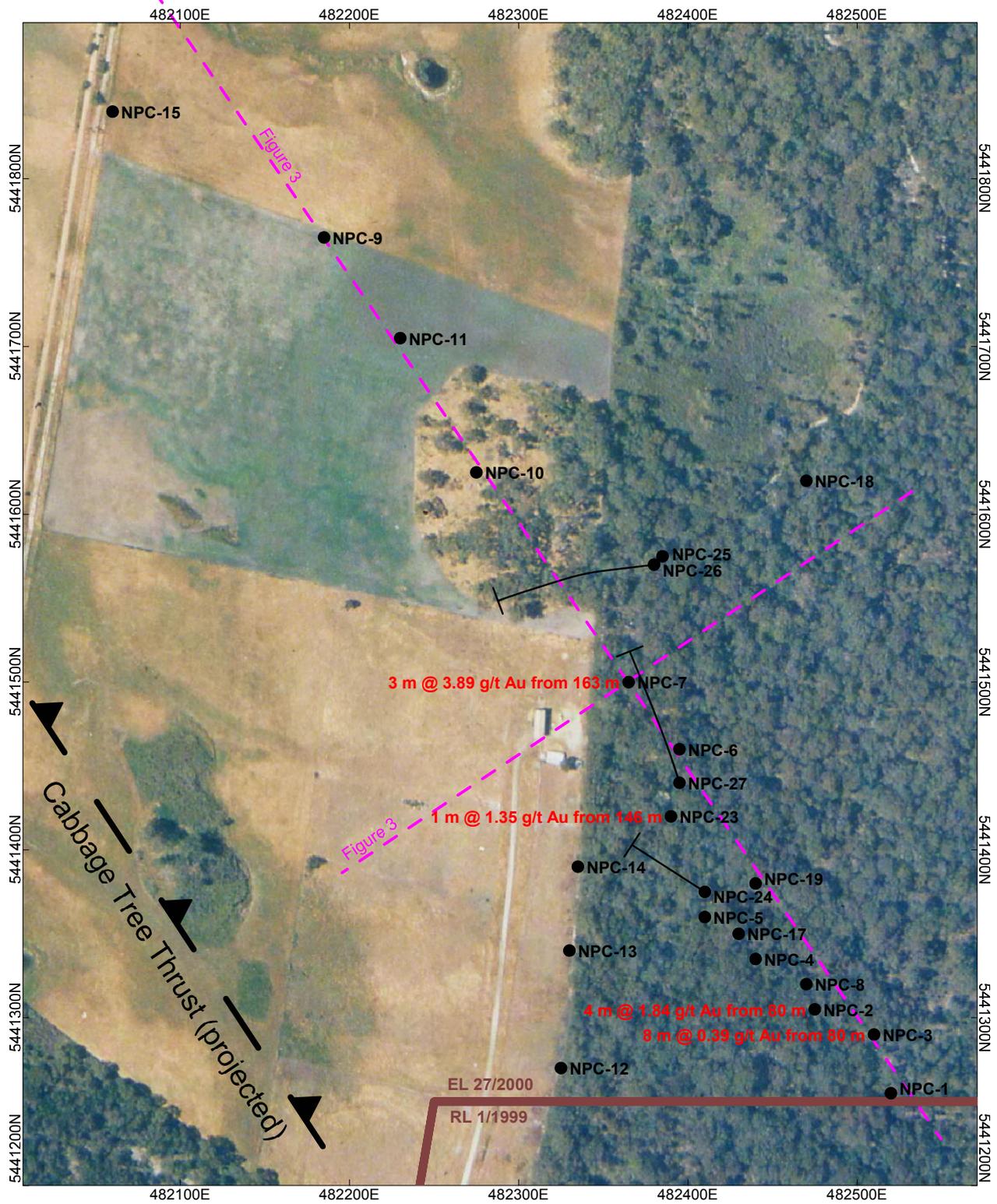
The first drill hole at North Pease Creek (NPC-1) commenced in August 2004 and during the year ending 19 September 2005, seventeen holes were drilled at North Pease Creek, on ELs 27/2000 and 12/1999 and three at Cobblestone Creek, on ELs 30/1997 and 12/1999 (Morrison, 2005).

At North Pease Creek 1800 metres strike length of Mine Sequence rocks were discovered beneath <100 metres of cover. Four holes at the southeastern end of the belt intersected gold mineralisation, with the best intersection being 3 metres @ 3.89 g/t gold from 163 metres in NPC-7. The intersection includes one metre @ 8.62 g/t gold and sits within a broad zone of pyrite altered black sandstone and granule conglomerate grading 40 metres @ 0.35 g/t gold and open at depth. Two definite and one possible Devonian faults were also demonstrated by the drilling.

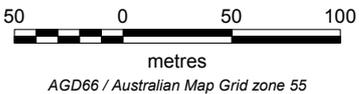
Two of the Cobblestone Creek project holes intersected unmineralised Blyths Creek Formation limestone and calcareous sandstone under <100 metres of Permian cover and the third hole was abandoned at 150 metres, still in Permian. The northern end of the project area was consequently down graded, resulting in EL 30/1997 being relinquished. A small isolated part of EL 7/2000 was also relinquished.

EXPLORATION RESULTS FOR THE YEAR TO 19 SEPTEMBER 2006

Eight holes for 1222.6 metres were drilled at North Pease Creek to test the extent and structural controls on the alteration and minor mineralisation discovered in the previous year (Morrison, 2005). Hole locations and summary details are shown on Tables 1 and 2 and Figure 2. Log sheets and assay data are attached in Appendices A



--- sections shown in Figures 3 and 4.



BEACONSFIELD GOLD NL	
Figure 2	
EL 27/2000 - North Pease Creek Prospect Drilling at August 2006	
Author: P.Muir / K.Morrison	Date: August 2006

and B. NPC-6, -12 and -14 were RC or RC/diamond tail holes completed on previously established rotary mud pre collars, NPC-23, -24 and -25 were drilled by RC percussion from surface, and NPC-26 and -27 were angled NQ2 diamond drill holes with rotary mud pre collars (Table 1, Table 2, Appendix A).

Table 1 North Pease Creek Drilling : Sept 2005-Sept 2006

Hole ID	Rotary Precollar metres	RC Percussion metres	DDH Core metres	Total metres
NPC-6		92.7	90.6	183.3
NPC-12		51.2	10.6	61.8
NPC-14		137		137
NPC-23		202		202
NPC-24		112		112
NPC-25		192		192
NPC-26	57.5		122.5	180
NPC-27	47.5		107	<u>154.5</u>
				1222.6

The program confirmed the widespread extent at North Pease Creek of the characteristic weakly gold/arsenic mineralised pyrite stockwork/fracture system and ankerite veinlet stockwork style of alteration hosted in black carbonaceous sandstones and granule conglomerates within the lower Eaglehawk Gully Formation (Oeg) and throughout the Salisbury Hill Formation (Osh), although apparently more frequent above the massive conglomerates at the base of the sequence (Photos 1 and 2, Appendix A). NPC-12 and -14 (Figure 2, Table 1) drilled substantial thicknesses of Osh conglomerate which showed a diminishing frequency of both carbonaceous matrix and pyrite/ankerite alteration, compared to the sandstones higher in the stratigraphy. The best intersection was a disappointing one metre @ 1.35 g/t Au from 146 metres in NPC-23.

Both the Tertiary cover sediments and the prospective Ordovician rocks continued to create drilling problems, with frequent hole collapse and rod jams, particularly in the highly fractured, brittle and porous carbonaceous quartz sandstones in the lower Oeg and upper Osh Formations. NPC-23 and -25 were the only two holes to reach their target depths and some drill pipe and tools were lost in abandoned holes NPC-24 and -27.

Vertical hole NPC-6 and angled holes NPC-26 and -27 specifically targeted extensions of the encouraging intersection achieved the previous year in NPC-7 (3 metres @ 3.89 g/t Au from 163 metres in NPC-7, Morrison, 2005). Although all three holes were stopped short of their target depths, due to ground conditions, coverage is adequate to conclude that the NPC-7 intersection probably does not develop into a major mineralised structure (Figures 2, 3 and 4). Visually the NPC-7 mineralisation is no different than the pyrite + ankerite alteration zones encountered in several of the North Pease Creek holes, which typically carry patchy anomalous gold (Appendix A).



Photo 1 Ankerite veinlet alteration NPC-27, 125.8 – 125.9 m



Photo 2 Pyrite stockwork/breccia alteration NPC-27, 135.8 – 135.95 m

Table 2 North Pease Creek Project - Drill Hole Summary at 19 August 2006
(AGD 66/Zone 55 AMG)

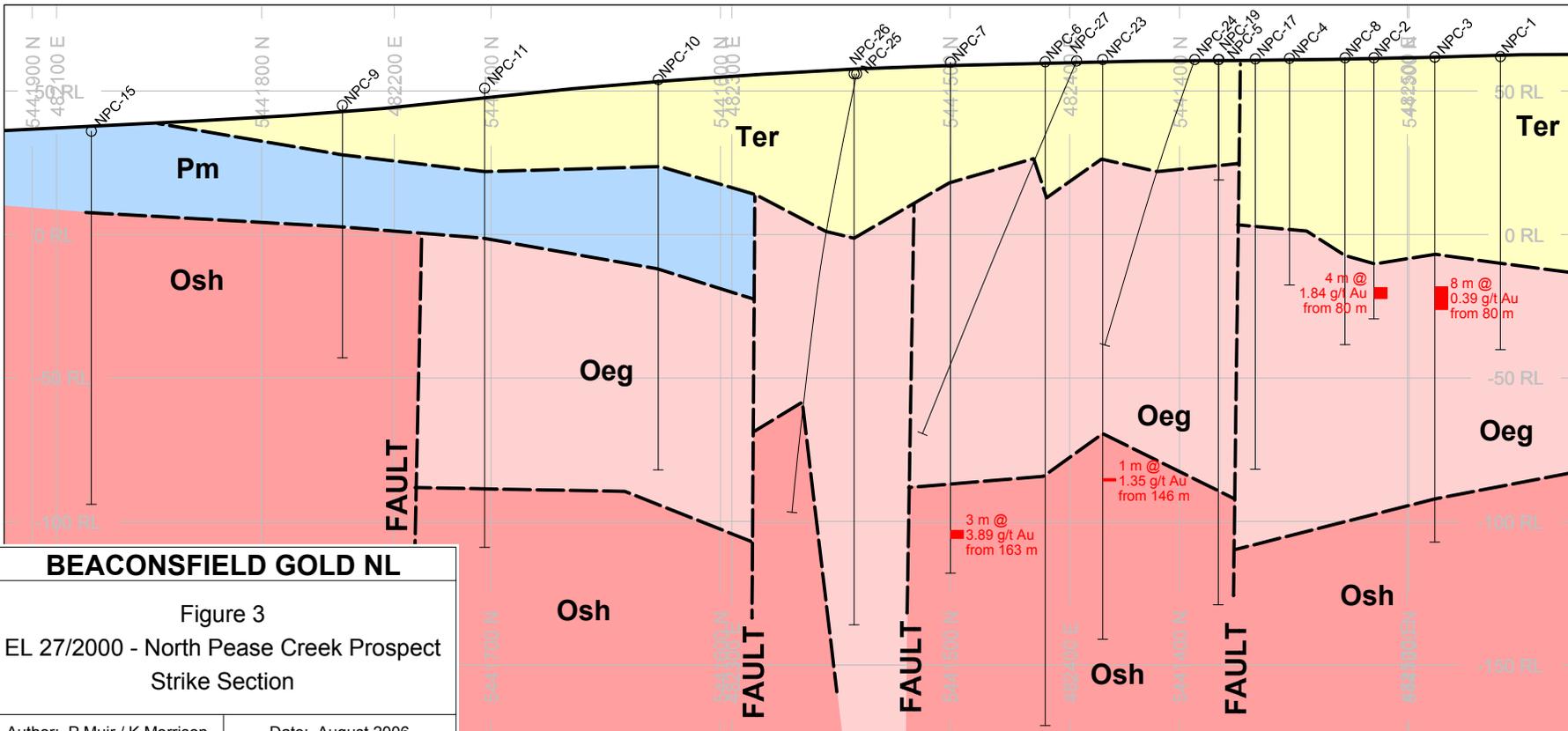
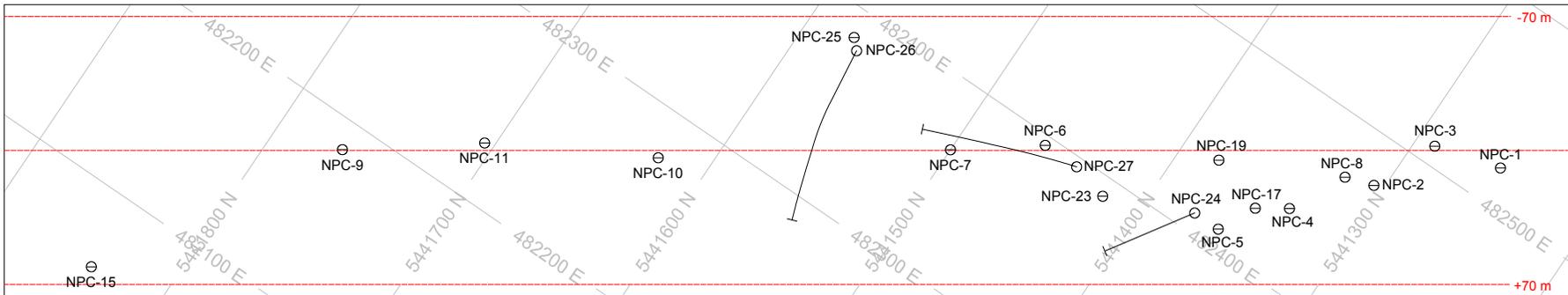
Hole ID	AMG Easting	AMG Northing	Status	Geology	Intersections
NPC-1	482520	5441255	vertical RC/DDH completed to 102.1m	72m Tert + 30.1m Oeg sst	
NPC-2	482475	5441305	vertical Rot/RC completed to 91m	72m Tert + 19m Oeg sst	4 m @ 1.84 g/t Au from 80 m
NPC-3	482510	5441290	vertical Rot/RC completed to 169m	69m Tert + 85m Oeg/15m Osh sst/lmst/congl	8 m @ 0.39 g/t Au from 80 m
NPC-4	482440	5441335	vertical Rot/RC completed to 79m	60m Tert + 19m Oeg sst	
NPC-5	482410	5441360	vertical Rot/RC completed to 190m	37m Tert + 116m Oeg/37m Osh sst/congl	
NPC-6	482395	5441460	vertical RC/DDH completed to 231.3m	48m Tert + 96m Oeg sst 87.3 Osh sst/congl	
NPC-7	482365	5441500	vertical Rot/RC completed to 178m	42m Tert + 106m Oeg/30m Osh sst/congl	3 m @ 3.89 g/t Au from 163 m
NPC-8	482470	5441320	vertical RC completed to 100m	69m Tert + 31m Oeg sst	
NPC-9	482185	5441765	vertical Rot/RC completed to 88m	18m Tert + 25m Pm +45m Osh sst	
NPC-10	482275	5441625	vertical Rot/RC completed to 136m	31m Tert + 36m Pm + 69m Oeg sst	
NPC-11	482230	5441705	vertical Rot/RC completed to 160m	30m Tert + 23m Pm + 87m Oeg/20m Osh sst/congl	
NPC-12	482325	5441270	vertical RC/DDH abandoned @ 94.8m	33m Tert + 61.8m Osh congl/sst	
NPC-13	482330	5441340	vertical Rot precollar to 42m		
NPC-14	482335	5441390	vertical RC completed to 195m	39m Tert + 62m Oeg sst + 94m Osh sst/congl	
NPC-15	482060	5441840	vertical Rot/RC completed to 130m	29m Pm + 101m Osh sst/congl	
NPC-16	481565	5442890	vertical Rot/RC completed to 190m	96m Pm + 94m Oeg calc sst	
NPC-17	482430	5441350	vertical Rot/RC completed to 143m	59m Tert + 84m Oeg sst/melange	
NPC-18	482470	5441620	vertical Rot/RC completed to 196m	53m Tert + 38m Perm + 105m Oeg sst/lmst	
NPC-19	482440	5441380	vertical Rot precollar to 42m		
NPC-20	481780	5442660	vertical RC completed to 202m	80m Pm + 122m Oeg calc sst	
NPC-21	481345	5442920	vertical RC completed to 202m	95m Pm + 107m ?Dch shale	
NPC-22	481075	5442950	vertical RC completed to 148m	85m Pm + 63m ?Dch shale	
NPC-23	482390	5441420	vertical RC completed to 202m	35m Tert + 96m Oeg sst + 71m Osh sst/congl	1 m @ 1.35 g/t Au from 146 m
NPC-24	482410	5441375	303/-60 RC abandoned @ 112m	45m Tert + 67m Oeg sst	
NPC-25	482385	5441575	vertical RC completed to 192m	57m Tert + 135m Oeg sst/lmst	
NPC-26	482380	5441570	253/-58 Rot/DDH abandoned @ 180m	66m Tert + 70.8m Oeg calc sst/43.2m Osh sst/congl	
NPC-27	482395	5441440	338/-58 Rot/DDH abandoned @ 154.5m	41m Tert + 113.5m Oeg calc sst	

A preliminary XRD check and petrographic examination of two thin sections made from a composite of percussion drill chips obtained from the carbonaceous alteration interval in NPC-16 (drilled during the 2004-2005 year) was conducted by Mineral Resources Tasmania petrologist Ralph Bottrill (Appendix C). The examination recognised the ankerite/siderite alteration of the quartz sandstones and established on textural and optical grounds that the carbonaceous material is bituminous, partly recrystallised, low thermal maturity pore fill carbon which was introduced pre or syn hydrothermal alteration. A hydrothermal CO₂-hydrocarbon phase is suggested as an explanation for an alteration linked origin for the carbon, but the consistent stratigraphic position of the carbonaceous sandstones and the interstratified nature of greenish grey calcareous medium –fine quartz sandstones and black carbonaceous medium- coarse quartz sandstones, along 2 km strike length of Mine Sequence stratigraphy, tends to suggest provenance controlled source for the carbon. Further support for this interpretation comes from the fact that regionally around Beaconsfield black slates exist in the Cambrian Blyths Creek Formation and reworked fragments of black slate are a consistent component of the Salisbury Hill Formation granule conglomerates. Ralph Bottrill (Appendix C) makes the point that more detailed analyses of the organic components, and perhaps some fluid inclusion work, may be needed to resolve the origin and timing of introduction for the carbonaceous material.

Figures 3 and 4 show long and cross sections in the stratigraphic strike and dip orientations respectively, through North Pease Creek. Within the Mine Sequence rocks the Eaglehawk Gully Formation (Oeg) – Salisbury Hill Formation (Osh) contact was picked in each drill hole as the first appearance of granule bedding, as distinct from the occasional dispersed granules which characterise the PEB units in the lower Eaglehawk Gully Formation (MacDonald, 2004). Holes more distal from the line of section on Figure 4 (NPC-12, 14 and –18; NPC-13 is only a pre collar) have been omitted from the strike section to reduce the complexities caused by long distance projections of the stratigraphic correlations. Figure 4 indicates a northeasterly dip of approximately 40-60° which is conformable with the Cabbage Tree Thrust and consistent with the structure in the Beaconsfield Mine.

Faults of pre Permian, post Permian-pre Tertiary sedimentation and post Tertiary sedimentation ages are interpreted from stratigraphic displacements between drill holes (Figure 3). A fault with an approximate east-west strike occurs to the north of NPC-7 and controls the southeastern margin of preserved Permian cover rocks. The faults shown either side of NPC-25 and -26 on Figure 3 may be the same structure, due to the oblique attitude of the projection relative to the fault strike, or there may be a zone of close spaced Tertiary graben style faults in that area.

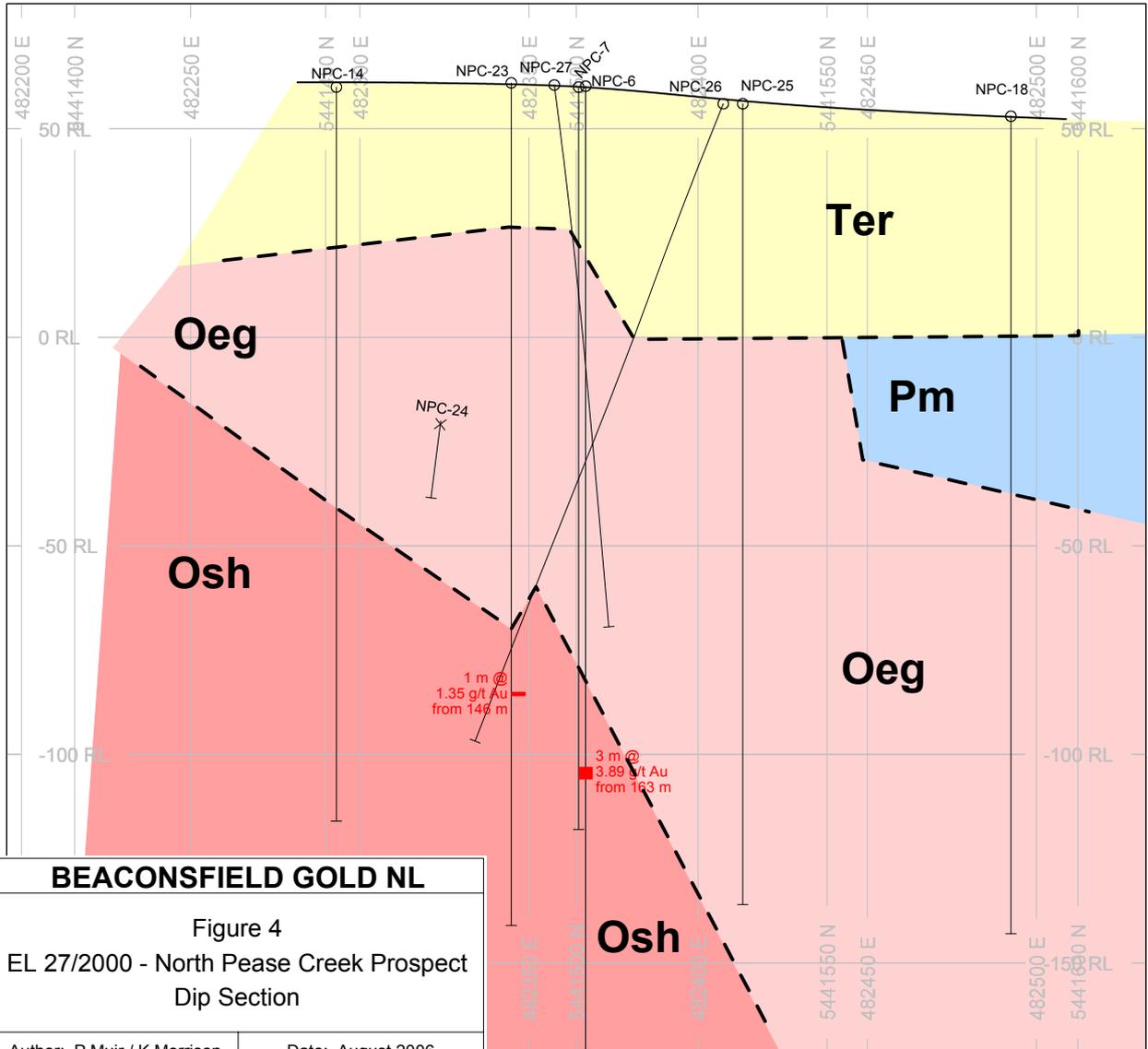
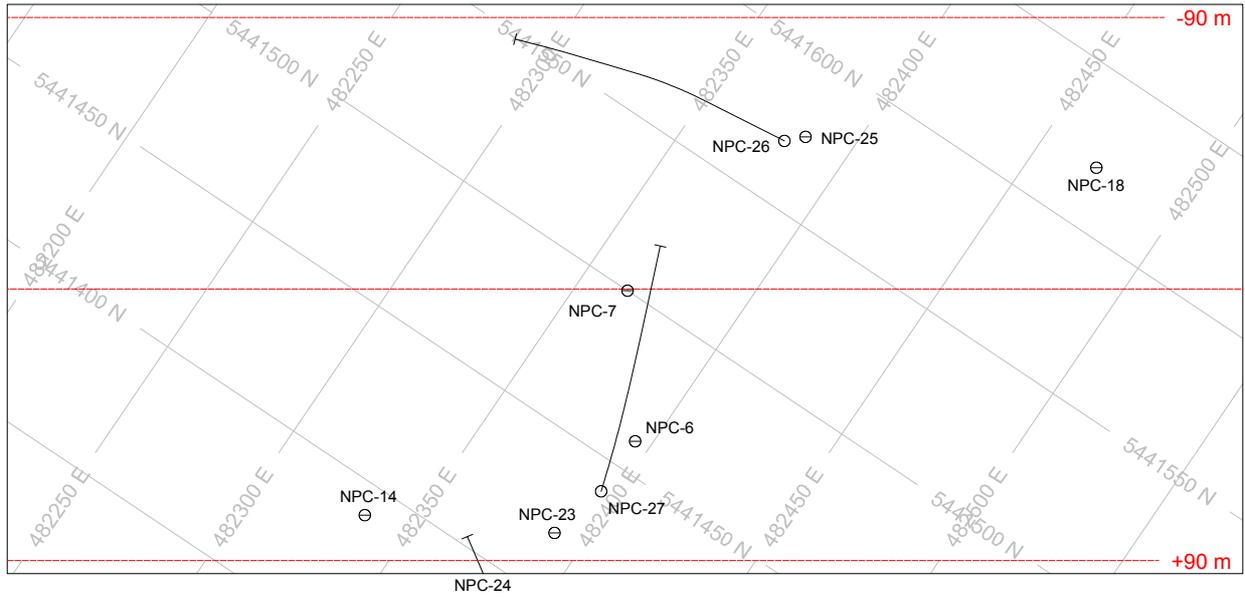
The importance of this structural boundary for exploration is that it appears to mark the northwestern limit to the minor mineralisation encountered to date, as no significant gold anomalies have been drilled beneath Permian cover. Furthermore the best intersections drilled to date show evidence of stratiform and thrust conformable control in both strike and dip directions (Figures 3 and 4), as well as the stratigraphic/carbonaceous lithology controls discussed above. Although no ore grade intersections have yet been achieved there appears to be a gold mineralising system at Pease Creek-North Pease Creek which is quite different from the Tasmania Reef at Beaconsfield and the controls on this style are just beginning to be understood. The mineralisation consists of multiple mainly thin pyritic structures with variable gold



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Figure 3
 EL 27/2000 - North Pease Creek Prospect
 Strike Section

Author: P.Muir / K.Morrison Date: August 2006



and arsenic content and apparent short strike extent. It is possible that most of the previous drilling at Pease Creek and North Pease Creek has been azimuthed in the wrong directions to effectively test the potential of this style of mineralisation and consequently it requires that the next drilling program on both prospects target thrust parallel structures by drilling down stratigraphy on a southwesterly azimuth, with at least some holes extending through to the Cabbage Tree Thrust position.

EXPENDITURE

A total of \$274,050 was spent on the project between 20 August 2005 and 19 August 2006, in the following categories.

Geology	33,988
Drilling	204,864
Rehabilitation	35,093
Administration/Tenement Costs	105
Total	\$274,050

WORK PROGRAM: YEAR TO 19 SEPTEMBER 2007

The timing of and work program for the next round of drilling on both EL 7/2000 and EL 27/2000 is dependent largely on the revival of the Beaconsfield Mine and the degree of overlap with the Beaconsfield Mine Joint Venture new target exploration currently in progress. As described in the current report, the results from North Pease Creek to date have generated a need for further drilling to test the mineralisation style which appears to differ substantially from the Tasmania Reef and extend for several hundred metres along strike from Pease Creek to North Pease Creek, across RL1/1999 and EL 27/2000. This target is heavily underexplored and would be best treated as a single exploration project. The prospectivity ranking of EL 7/2000 depends on the results of current drilling under Middle Arm Gorge from within EL 20/1994. If a mineralised reef structure parallel to the Tasmania Reef is discovered at Middle Arm Gorge then some drilling will be carried out on potential easterly strike extensions to that structure within EL 7/2000. In the event of a negative result at Middle Arm Gorge the future of EL 7/2000 will be reassessed before September 2007.

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Appendix A

Drill Logs

Depth (m)	Litho	Unit	Description
127-140.7	Sandstone	Oeg	Black carbonaceous uniform medium quartz sandstone, occasional quartz granule, trace pyrite diminishing down hole as fracture coating, fine veinlets. Change to NQ @ 140.7 m.
140.7-143.6	Sandstone	Oeg	Black carbonaceous coarse-medium fining-up quartz sandstone with scattered trains of vein quartz granules, spotty carbonate alteration, common fractures CA 20-30 ⁰ coated with cream carbonate, patchy fine pyrite.
143.6-144	Sandstone	Oeg	Grey very coarse quartz sandstone grading down to polymict siliceous fine granule conglomerate including black slate fragments. Base to sandstone unit above. Top Salisbury Hill Formation @144 m.
144-154.5	Conglomerate/ sandstone	Osh	Cycles of grey clast supported polymict (vein quartz, quartzite, slate) granule conglomerate 70%, interbedded with black carbonaceous coarse-medium quartz sandstone 30%, bedding CA 70 ⁰ , pyritic fractures CA 10-30 ⁰ , patchy carbonate spotting, zone of near vertical intense pyrite veinlet stockwork, breccia 149.2-149.6 m.
154.5-185.5	Sandstone/ conglomerate	Osh	Sandstone 60% / conglomerate 40% cycles A/A, 3 cm layered quartz vein with green ? fuchsite at 162.7, bedding CA 40 ⁰ at 178.25, with 15 cm sub vertical pyritic breccia structure in black sandstone below contact. Pyritic structures more prevalent in black sandstone than granule conglomerate.
185.5-215.1	Sandstone/ conglomerate	Osh	Black carbonaceous medium quartz sandstone with granule conglomerate interbeds, increasing frequency of fine veinlet ankerite stockwork and separate bands of pyrite veinlet stockwork in a zone of alteration focussed in the black sandstone. Bedding CA 30 ⁰ at 189.6 m, black mudstone band 200.4-200.5 m. Quartz calcite ankerite veining below 205 m, including slivers of wall rock shale at 213.25-213.35 m, vein CA 30 ⁰ .
215.1-224.5	Sandstone/ conglomerate	Osh	Statigraphy A/A, alteration style mainly carbonate spotting, blotches with fine and coarse quartz ankerite sheeted veinlet sets CA 0-20 ⁰ , bedding CA 40 ⁰ at 221.75 m. Intense pyritic zone up

Assays (ppm)		
Depth (m)	Au	As
220-221	0.02	
221-222	0.02	
223-224	0.12	

Depth (m)	Litho	Unit	Description
			to 50% as massive veinlet stockwork and breccia with abrupt base, 223.8-224.5 m. Slip faces in pyrite zone CA 10 ⁰ .
224.5-231.3	Conglomerate/ sandstone	Osh	Conglomerate dominant fining up cycles A/A with abrupt decrease in pyrite, carbonate alteration below 224.5 m.
EOH			

Assays (ppm)		
Depth (m)	Au	As
224-225	0.09	

**Beaconsfield Gold NL
RC Percussion Drill Hole Log**

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-14
Date Drilled: 10 Oct 2005
Driller: Spaulding-L Ellings

Collar: 482335 E, 5441390 N AMG
RL:
AZM: N/A
Dip: -90
Hole Diam: 4 ½ inch

Total Depth: 195 m
Water Table: ?
Base of Oxid'n: 20 m
Sample No's: 39-42 to 192-195
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-39	Sediments	Tertiary	Clay, silt, sand, gravel layers, minor lignite. Drilled as pre collar by 6 inch rotary mud method.
39-69	Sandstone	Oeg	Pale greenish grey, darker down hole, medium quartz sandstone with coarser base, abundant cream non calcareous clay, minor vein quartz 48-50, 67-69m.
69-80	Sandstone	Oeg	Interbedded Black carbonaceous medium quartz sandstone and grey fine flaggy quartz sandstone, scattered quartz granules from 70m (top PEBS), minor patchy pyrite on fracture surfaces from 71m.
80-91	Sandstone	Oeg	Black carbonaceous medium quartz sandstone with rare PEB granule, 5% pyrite as veinlets, fracture coatings, minor non calcareous clay, translucent grey quartz 87-88m.
91-102	Sandstone	Oeg	Unit a/a, no quartz, minor pyrite only.
102-166	Conglomerate/ sandstone	Osh	Grey-black vein quartz quartzite granule conglomerate with black medium-coarse quartz sandstone interbeds, minor patchy pyrite, vein quartz 108-112, 114-115, 134-138m.
166-173	Conglomerate/ sandstone	Osh	Unit a/a, blotchy ankerite alteration with seams, nodules pyrite up to 5%, quartz veining 166-171, 171-173m.
173-176	Conglomerate/ sandstone	Osh	Unit a/a, heavy pyrite up to 20%, moderate carbonate, vein quartz. Rocks badly broken, brittle, abundant cavities, difficult to drill.

Assays (ppm)		
Depth (m)	Au	As
44-48	0.04	
114-117	0.03	
171-174	0.11	
174-175	0.16	400
175-176	0.18	430

Depth (m)	Litho	Unit	Description
176-195	Conglomerate/ sandstone	Osh	Grey-black vein quartz quartzite granule conglomerate with black medium-coarse quartz sandstone interbeds, minor patchy pyrite, vein quartz, ankerite. Main alteration 166-176m.
EOH			

Assays (ppm)		
Depth (m)	Au	As
176-177	<0.01	50

**Beaconsfield Gold NL
RC Percussion Drill Hole Log**

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-23
Date Drilled: 3 Oct 2005
Driller: Spaulding-L Ellings

Collar: 482390 E, 5441420 N AMG
RL:
AZM: N/A
Dip: -90
Hole Diam: 5 ³ / ₈ inch

Total Depth: 202 m
Water Table: ? m
Base of Oxid'n: 20 m
Sample No's: 35-38 to 200-203
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-1	Regolith	Recent	Soil, quartz lag, oxidised clay.
1-35	Sediments	Tertiary	Clay, silt, sand, gravel layers, minor lignite. Drilled with 7 inch blade using air, occasional water injection.
35-69	Sandstone	Oeg	Pale greenish grey medium well sorted non calcareous non pyritic quartz sandstone with rare carbonaceous clasts, common cream clay, rare vein quartz at 49-50m.
69-79	Sandstone	Oeg	Gradational change to black carbonaceous medium quartz sandstone, patchy blebs pyrite from 75m.
79-85	Sandstone	Oeg	Black-dark grey carbonaceous quartz sandstone, cream carbonate, minor patchy pyrite, 30% milky white vein quartz 83-85m.
85-109	Sandstone	Oeg	Greenish grey coarse-medium fining up quartz ankerite sandstone, minor carbonaceous clasts, minor patchy pyrite.
109-120	Sandstone	Oeg	Black carbonaceous medium quartz sandstone, scattered vein quartz granules (PEBS), common ankerite, minor patchy pyrite blebs.
120-131	Sandstone	Oeg	Black carbonaceous medium quartz sandstone, disseminated ankerite, patchy pyrite up to 5%.
131-140	Sandstone	Oeg	Black pyritic sandstone a/a without carbonate, main pyrite zones 123-125, 128-129, 136-137.
140-160	Sandstone/ conglomerate	Osh	Top Salisbury Hill Fm 140m. Black carbonaceous medium quartz sandstone with interbeds of granule conglomerate, up to

Assays (ppm)		
Depth (m)	Au	As
68-71	0.02	
145-146	0.11	78
146-147	1.35	1300

Depth (m)	Litho	Unit	Description
			10% pyrite diminishing below 148m, patchy ankerite, minor vein quartz mainly 143-148m, main pyrite zones 140-143, 150-152. Base main alteration 152m.
160-169	Sandstone/ conglomerate	Osh	A/a but less altered, minor quartz calcite veins.
169-202	Conglomerate/ sandstone	Osh	Interbedded vein quartz-quartzite granule conglomerate > black medium-coarse quartz sandstone in fining up sequence, patchy weak pyrite mainly 188-189m, minor 5mm quartz veins 179-180m, quartz carbonate veining 193-194m with increasing ankerite 194-197m.
EOH			

Assays (ppm)		
Depth (m)	Au	As
147-148	0.03	42
155-158	0.02	
164-167	0.03	
179-182	0.02	

**Beaconsfield Gold NL
RC Percussion Drill Hole Log**

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-24
Date Drilled: 26 Oct 2005
Driller: Spaulding-L Ellings

Collar: 482410 E, 5441375 N AMG
RL:
AZM: 303 AMG
Dip: -60
Hole Diam: 5 ³ / ₈ inch

Total Depth: 112 m
Water Table: ? m
Base of Oxid'n: 67 m
Sample No's: 45-48 to 108-112
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-1	Regolith	Recent	Soil, quartz lag, oxidised clay.
1-45	Sediments	Tertiary	Clay, silt, sand, gravel layers with water, minor lignite.
45-67	Sandstone	Oeg	Grey brown partly oxidised well sorted medium quartz sandstone, non calcareous, non pyritic, ferricrete nodules decreasing down hole, contamination down hole from base Tertiary gravel. First large dry sample 46-47 m.
67-69	Sandstone	Oeg	Fresh dark grey-black well sorted medium quartz sandstone, milky white vein quartz 20% sieve fraction.
69-76	Sandstone	Oeg	Black carbonaceous non calcareous non pyritic medium quartz sandstone.
76-105	Sandstone	Oeg	Pale grey, fawn grey calcareous well sorted medium quartz non pyritic sandstone, minor milky white vein quartz 100-103 m.

Assays (ppm)		
Depth (m)	Au	As
45-46	0.55	6
46-47	0.92	13
47-48	0.55	11
48-51	0.02	
51-52	0.02	6
52-53	0.04	7
53-54	0.06	5
54-57	0.06	
57-60	0.04	
60-63	0.01	
63-66	0.02	
66-69	0.07	
69-72	0.07	
72-75	0.02	
75-78	0.03	
93-96	0.04	

Depth (m)	Litho	Unit	Description
105-112	Sandstone	Oeg	Black carbonaceous non calcareous non pyritic medium quartz sandstone.
EOH			Hole collapsed and abandoned with rod loss @ 112 m.

Assays (ppm)		
Depth (m)	Au	As

Depth (m)	Litho	Unit	Description
148-178	Sandstone	Oeg	Dark grey-black carbonaceous weakly calcareous medium quartz sandstone, minor fine pyrite fracture coatings, very fine anastomosing stockwork of cream carbonate. Pyritic stockwork, minor breccia 169-171 m, minor quartz veining, pyritic pits and cavities 173-178 m.
178-183	Limestone?	Oeg	Interval of mainly cavities, very small samples, no samples 179-180, 182-183 m.
183-192	Sandstone	Oeg	Pale green grey calcareous fine non pyritic sandstone with abundant white coarsely crystalline calcite veins, almost entirely calcite 189-191 m.
EOH			

Assays (ppm)		
Depth (m)	Au	As

**Beaconsfield Gold NL
Diamond Drill Hole Summary Log Sheet**

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-26
Date Drilled: Jan 2006
Driller: Spaulding (L Ellings)

Collar: 482,380E, 5,441,570N AGD66 AMG-by GPS
RL: approx 56 m-by scaling
Collar AZM: 263 AMG
Collar Dip: -56
Core Size: NQ2

Total Depth: 180.0m
Water Table: ?
Base of Oxid'n: ?
Sample No's: 83-84 to 86-87, 134-136 to 178-180
Geologist: K Morrison

Purpose		Results
<p>To test, in combination with NPC-27, the extent and attitude of mineralisation previously drilled in NPC-7.</p>	<p><i>Core Recovery:</i> 86.5 %</p> <p><i>Down Hole Surveys</i></p> <ol style="list-style-type: none"> 1. 55m Dip -58.5 Az 263 AMG 2. 100m Dip -58 Az 253 AMG 3. 148m Dip -58.7 Az 252 AMG 4. 174m Dip -59 Az 250 AMG 	<p>The hole drilled 66 m of unconsolidated Cainozoic sediments overlying; 70.8 m of Ordovician Eaglehawk Gully Formation calcareous and in part carbonaceous quartz sandstones, and 43.2 m of Salisbury Hill Formation granule conglomerate interbedded with carbonaceous quartz sandstone.</p> <p>Localised moderate intensity pyrite and ankerite veinlet and stockwork style alteration, with traces of gold up to 0.07 ppm Au, is restricted to the black carbonaceous sandstones, and to a lesser extent granule conglomerate interbeds, in the lower Eaglehawk Gully Formation and Salisbury Hill Formation. Occasionally quartz carbonate veins anywhere in the stratigraphy carry weakly anomalous gold.</p> <p>Bedding dips to the northeast and alteration appears stratiform and conformable to the Cabbage Tree Thrust. The NPC-7 intersection does not develop into a larger mineralised structure but potential remains for northeast dipping structures to be drill tested between Pease Creek and NPC-7.</p>

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

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-26
Date Drilled: Jan 2006
Driller: Spaulding-L Ellings

Collar: 482380 E, 5441570 N AMG - GPS
RL: 56 m (scaled)
Collar AZM: 263 AMG
Collar Dip: -56
Hole Diam: NQ2

Total Depth: 180 m
Water Table: ? m
Base of Oxid'n: ? m
Sample No's: 83-84 to 86-87, 134-136 to 178-180
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-1	Regolith	Recent	Soil, quartz lag, oxidised clay.
1-66	Sediments	Tertiary	Clay, silt, sand, gravel layers with water, minor lignite. Drilled with 4 inch tricone roller to 57.5 m then NQ core.
66-77.6	Sandstone	Oeg	Pale green grey heavily oxidised leached fine quartz sandstone with pitted cracks, small cavities, poor core recovery, abundant up-hole Tertiary sediment contamination.
77.6-105.9	Sandstone/ limestone	Oeg	Zone of alternating calcareous fine quartz sandstone with minor siltstone and siliceous limestone. Pale green grey, fawn cream highly calcareous well sorted fine quartz sandstone, minor flinty calcareous siltstone interbeds, interbedded with and grading to weakly siliceous limestone with marbled textures. Minor blebs pyrite, undulose pyrite veinlets in zone of quartz sulphide, quartz carbonate veining 83-87 m, most intense and with grey vein quartz 84.8-85 m. Bedding in siltstone CA 40° @ 87.7 m, 1 cm quartz carbonate veining CA 40-50° @ 85.5, 92.7m.
105.9-107.3	Sandstone	Oeg	Black dark grey paler down hole carbonaceous medium quartz sandstone, minor 1 mm calcite pyrite veins @ 106.2 m.
107.3-132.2	Sandstone/ limestone	Oeg	Continuation of unit as per 77.6-105.9 m.
132.2-136.8	Sandstone	Oeg	Dark grey calcareous medium quartz sandstone increasingly carbonaceous towards base, heavily pitted, common fine disseminated pyrite increasing down hole.

Assays (ppm)		
Depth (m)	Au	As
86-87	0.04	

Depth (m)	Litho	Unit	Description
136.8-160.2	Sandstone/ conglomerate	Osh	Black grey cream carbonate mottled and speckled medium calcareous quartz sandstone with minor 1-10 cm bands of vein quartz rich granule conglomerate, minor shaley interbeds bedding CA 90° @ 145.6, 70° @ 149.1 m. Rock is pitted, porous with carbonate dissolution vugs, fine pyrite on fracture surfaces up to maximum 5%, mainly in structures sub parallel to core, @ 135, 140, 161, 164, 169, 178, 180 m. Fine veinlet ankerite stockworks with maximum development @ 141, 146, 177 m and separation of pyrite and ankerite alteration. 5 cm quartz carbonate vein with vugs @139.5 m, CA 45°. Top Salisbury Hill Formation @ 136.8 m.
160.2-180.0	Conglomerate/ sandstone	Osh	Black grey white graded fine pebble–granule polymict vein quartz, quartzite, indurated black slate siliceous conglomerate with black medium-coarse weakly calcareous quartz sandstone interbeds in series of fining-up cycles. Less altered than black sandstone above but still hosting intermittent ankeritic veinlet stockworks and fracture controlled vuggy pyrite concentrations sub parallel to CA. Bedding CA 80° @ 161.8, 60° @ 179.1 m.
EOH			

Assays (ppm)		
Depth (m)	Au	As
138-140	0.03	
140-142	0.07	
156-158	0.02	
178-180	0.04	

NPC-26 Core Recovery Log

Drill Interval (m)	Core Length (m)
57.5-60.0	0.4
60.0-62.2	0.2
62.2-67.7	0.5
67.7-67.9	0.2
67.9-68.8	1.0
68.8-70.0	0.1
70.0-71.4	0.4
71.4-71.5	0.1
71.5-72.6	0.7
72.6-77.1	0.3
77.1-78.1	0.4
78.1-78.4	0.3
78.4-79.0	0.6
79.0-80.0	1.0
80.0-81.0	1.0
81.0-82.0	1.0
82.0-83.0	1.0
83.0-84.0	1.0
84.0-85.0	1.0
85.0-86.0	1.0
86.0-87.0	1.0
87.0-88.0	1.0
88.0-89.0	1.0
89.0-90.0	1.0
90.0-91.0	1.0
91.0-92.0	1.0
92.0-93.0	1.0
93.0-94.0	1.0
94.0-95.0	1.0
95.0-96.0	1.0
96.0-97.0	1.0
97.0-98.0	0.9
98.0-99.0	0.9
99.0-100.0	1.0
100.0-101.0	1.0
101.0-102.0	1.0
102.0-103.0	1.0
103.0-104.0	1.0
104.0-105.0	1.0
105.0-106.0	1.0
106.0-107.0	1.0
107.0-108.0	1.0
108.0-109.0	1.0
109.0-110.0	1.0
110.0-111.0	1.0
111.0-112.0	1.0
112.0-113.0	1.0
113.0-114.0	1.0
114.0-115.0	1.0

115.0-116.0	1.0
116.0-117.0	1.0
117.0-118.0	1.0
118.0-119.0	1.0
119.0-120.0	1.0
120.0-121.0	1.0
121.0-122.0	1.0
122.0-123.0	1.0
123.0-124.0	1.0
124.0-125.0	1.0
125.0-126.0	1.0
126.0-127.0	1.0
127.0-128.0	1.0
128.0-129.0	1.0
129.0-130.0	1.0
130.0-131.0	1.0
131.0-132.0	1.0
132.0-133.0	1.0
133.0-134.0	1.0
134.0-135.0	1.0
135.0-136.0	1.0
136.0-137.0	1.0
137.0-138.0	1.0
138.0-139.0	1.0
139.0-140.0	1.0
140.0-141.0	1.0
141.0-142.0	1.0
142.0-143.0	1.0
143.0-144.0	1.0
144.0-145.0	1.0
145.0-146.0	1.0
146.0-147.0	1.0
147.0-148.0	1.0
148.0-149.0	1.0
149.0-150.0	1.0
150.0-151.0	1.0
151.0-152.0	1.0
152.0-153.0	1.0
153.0-154.0	1.0
154.0-155.0	1.0
155.0-156.0	1.0
156.0-157.0	1.0
157.0-158.0	1.0
158.0-159.0	1.0
159.0-160.0	1.0
160.0-161.0	1.0
161.0-162.0	1.0
162.0-163.0	1.0
163.0-164.0	1.0
164.0-165.0	1.0
165.0-166.0	1.0
166.0-167.0	1.0
167.0-168.0	1.0
168.0-169.0	1.0
169.0-170.0	1.0

170.0-171.0	1.0
171.0-172.0	1.0
172.0-173.0	1.0
173.0-174.0	1.0
174.0-175.0	1.0
175.0-176.0	1.0
176.0-177.0	1.0
177.0-178.0	1.0
178.0-179.0	1.0
179.0-180.0	1.0
EOH	

TOTALS:-122.5 m 106 m = 86.5%

**Beaconsfield Gold NL
Diamond Drill Hole Summary Log Sheet**

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-27
Date Drilled: Jan 2006
Driller: Spaulding (L Ellings)

Collar: 482,395E, 5,441,440N AGD66 AMG-by GPS
RL: approx 60 m-by scaling
Collar AZM: 343 AMG
Collar Dip: -56
Core Size: NQ2

Total Depth: 154.5m
Water Table: ?
Base of Oxid'n: ?
Sample No's: 122-123 to 138-139
Geologist: K Morrison

Purpose		Results
<p>To test, in combination with NPC-26, the extent and attitude of mineralisation previously drilled in NPC-7.</p>	<p><i>Core Recovery:</i> 84.6 %</p> <p><i>Down Hole Surveys</i></p> <ol style="list-style-type: none"> 1. 63m Dip -57 Az 339 AMG 2. 117m Dip -58 Az 338 AMG 	<p>The hole drilled 41 m of unconsolidated Cainozoic sediments overlying; 113.5m of Ordovician Eaglehawk Gully Formation calcareous and in part carbonaceous quartz sandstones.</p> <p>Localised moderate intensity pyrite and ankerite veinlet and stockwork style alteration, with traces of gold and arsenic up to 0.08 ppm Au and 100 ppm As, is restricted to the black carbonaceous sandstone in the lower Eaglehawk Gully Formation.</p> <p>Bedding dips to the northeast and alteration appears stratiform and conformable to the Cabbage Tree Thrust. The NPC-7 intersection does not develop into a larger mineralised structure but potential remains for northeast dipping structures to be drill tested between Pease Creek and NPC-7.</p>

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

Tenement: EL 27/2000
Prospect: North Pease Creek
Hole No: NPC-27
Date Drilled: Jan 2006
Driller: Spaulding-L Ellings

Collar: 482395 E, 5441440 N AMG - GPS
RL: 60 m (scaled)
Collar AZM: 343 AMG
Collar Dip: -56
Hole Diam: NQ2

Total Depth: 154.5 m
Water Table: ? m
Base of Oxid'n: ? m
Sample No's: 122-123 to 138-139
Geologist: K Morrison

Depth (m)	Litho	Unit	Description
0-1	Regolith	Recent	Soil, quartz lag, oxidised clay.
1-41	Sediments	Tertiary	Clay, silt, sand, gravel layers with water, minor lignite.
41-47.5	Sandstone	Oeg	Pale green grey heavily oxidised leached quartz sandstone with abundant up-hole Tertiary sediment contamination. Drilled with 4 inch roller to 47.5 m then NQ core..
47.5-71.3	Sandstone	Oeg	Pale grey green bleached weathered non calcareous fine-medium quartz sandstone, trains of pitted cracks, small dissolution cavities and breccia textures, probable bioturbation structures. Heavy core loss down to 71.3 m, broken 1-5 cm non pyritic quartz minor ankerite veins @ 53.4, 72.2 m.
71.3-100.5	Sandstone	Oeg	Weathered quartz sandstone A/A with common claystone interbeds after carbonate, CA 45 ⁰ , dissolutions breccia textures, minor fine pyrite on fracture surfaces. Frequent faults, crush zones CA 0-10 ⁰ @ 80-94 m, bedding defined by bioturbation structures CA 40 ⁰ @ 91.5 m.
100.5-118.6	Sandstone	Oeg	Uniform pale grey bleached highly calcareous medium quartz sandstone with claystone interbeds CA 40 ⁰ , non pyritic. Fault crush zone with soft broken core @ 117-118.6 m. Abrupt basal contact.
118.6-138.9	Sandstone	Oeg	Black carbonaceous calcareous calcite + ankerite medium quartz sandstone, with alteration comprising separate zones of ankerite veinlet stockwork tops @ 125.8, 136 m and veinlet-fracture-

Assays (ppm)		
Depth (m)	Au	As
128-129	0.08	
129-130	0.04	

Depth (m)	Litho	Unit	Description
			breccia pyrite zones tops @ 123.4, 124.2, 129.3, 135.8 m. Faults sub parallel to CA @ 121.8-123 m, 1 cm quartz carbonate vein @ 122.6, bedding CA 50° @ 130.2 m.
138.9-154.5	Sandstone	Oeg	Grey calcareous medium quartz sandstone with minor carbonaceous siltstone laminae showing bedding CA 40-50° @ 139.4, 141.6, 150.1 m. Common bands carbonate dissolution pits, porosity, common soft sediment deformation structures, minor fine pyrite on fracture surfaces. Small scale faulting parallel to CA, breccia zone @ 147-149 m. Rock mass badly broken causing core loss and unstable hole and hole abandoned short @ 154.5 m.
EOH			

Assays (ppm)		
Depth (m)	Au	As
135-136		100

NPC-27 Core Recovery Log

Drill Interval (m)	Core Length (m)
47.5-49.7	0.6
49.7-51.0	0.4
51.0-53.0	0.9
53.0-54.0	1.0
54.0-55.0	1.0
55.0-56.0	1.0
56.0-57.0	1.0
57.0-58.0	0.3
58.0-59.0	0.1
59.0-60.0	1.0
60.0-61.0	0.7
61.0-62.0	0.6
62.0-63.0	0.7
63.0-64.0	0.5
64.0-65.0	0.5
65.0-66.0	0.8
66.0-67.3	0.6
67.3-68.3	0.4
68.3-70.3	0.8
70.3-71.3	0.6
71.3-73.0	1.7
73.0-74.0	1.0
74.0-75.0	1.0
75.0-76.0	1.0
76.0-77.0	1.0
77.0-78.0	1.0
78.0-79.0	1.0
79.0-80.0	1.0
80.0-81.0	1.0
81.0-82.0	0.7
82.0-83.0	1.0
83.0-84.0	1.0
84.0-85.0	1.0
85.0-86.0	1.0
86.0-87.0	1.0
87.0-88.0	1.0
88.0-89.0	0.0
89.0-90.0	0.9
90.0-91.0	1.0
91.0-92.0	1.0
92.0-93.0	1.0
93.0-94.0	1.0
94.0-95.0	1.0
95.0-96.0	1.0
96.0-97.0	1.0
97.0-98.0	1.0
98.0-99.0	1.0
99.0-100.0	1.0
100.0-101.0	1.0

101.0-102.0	1.0
102.0-103.0	1.0
103.0-104.0	1.0
104.0-105.0	1.0
105.0-106.0	1.0
106.0-107.0	1.0
107.0-108.0	1.0
108.0-109.0	1.0
109.0-110.0	1.0
110.0-111.0	1.0
111.0-112.0	1.0
112.0-113.0	1.0
113.0-114.0	1.0
114.0-115.0	1.0
115.0-116.0	1.0
116.0-117.0	1.0
117.0-118.0	1.0
118.0-119.0	1.0
119.0-120.0	1.0
120.0-121.0	1.0
121.0-122.0	1.0
122.0-123.0	0.8
123.0-124.0	1.0
124.0-125.0	1.0
125.0-126.0	1.0
126.0-127.0	1.0
127.0-128.0	1.0
128.0-129.0	1.0
129.0-130.0	1.0
130.0-131.0	1.0
131.0-132.0	0.4
132.0-133.0	0.1
133.0-134.0	1.0
134.0-135.0	1.0
135.0-136.0	1.0
136.0-137.0	1.0
137.0-138.0	0.8
138.0-139.0	0.8
139.0-140.0	1.0
140.0-141.0	0.8
141.0-142.0	1.0
142.0-143.0	1.0
143.0-144.0	1.0
144.0-145.0	1.0
145.0-146.0	1.0
146.0-147.0	1.0
147.0-148.0	1.0
148.0-149.0	0.7
149.0-150.0	0.4
150.0-151.0	0.5
151.0-152.0	0.5
152.0-153.0	1.0
153.0-154.0	1.0
154.0-155.0	0.7

EOH

TOTALS:-107.5 m 91 m = 84.6%

Appendix B

Drilling Assay Data

Job: 5AD2636
O/N: Ex 5AD2220 - As

Final

ANALYTICAL REPORT

	SAMPLE	As
NPC07	159-160	52
NPC07	160-161	47
NPC07	161-162	105
NPC07	162-163	5450
NPC07	163-164	4.17%
NPC07	164-165	6950
NPC07	165-166	4300
NPC07	166-167	950
NPC07	167-168	140
NPC18	193-194	320
NPC18	194-195	650
NPC18	195-196	270

UNITS	ppm
DET.LIM	2
SCHEME	XRF1
UPPER SCHEME	XRF2

Job: 5AD2862
O/N:

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Rpt	Au Rpt
NPC6	48-49 50-51	<0.01	--	--
NPC6	51-52 53-54	<0.01	--	--
NPC6	54-55 56-57	<0.01	--	--
NPC6	57-58 59-60	<0.01	--	--
NPC6	60-61 62-63	<0.01	--	--
NPC6	63-64 65-66	<0.01	--	--
NPC6	66-67 68-69	<0.01	--	--
NPC6	69-70 71-72	<0.01	--	--
NPC6	72-73 74-75	<0.01	--	--
NPC6	75-76 77-78	<0.01	--	--
NPC6	78-79 80-81	<0.01	--	--
NPC6	81-82 83-84	<0.01	--	--
NPC6	84 85 86-87	<0.01	<0.01	--
NPC6	87-88 89-90	<0.01	--	--
NPC6	90-91 92-93	<0.01	--	--
NPC6	93-94 95-96	<0.01	--	--
NPC6	96-97 98-99	<0.01	--	--
NPC6	99-100 101-02	<0.01	--	--
NPC6	102-03 104-05	<0.01	--	--
NPC6	105-06 107-08	<0.01	--	--
NPC6	108-09 110-11	<0.01	--	--
NPC6	111-12 113-14	<0.01	--	--
NPC6	114-15 116-17	<0.01	--	--
NPC6	117-18 119-20	<0.01	--	--
NPC6	120-21 122-23	<0.01	--	--
NPC6	123-24-125-26	<0.01	--	--
NPC6	126-27 128-29	<0.01	--	--
NPC6	129-30 131-32	<0.01	--	--
NPC6	132-33 134-35	<0.01	--	--
NPC6	135-36 137-38	<0.01	--	--
NPC23	35-36 37-38	<0.01	--	--
NPC23	38-39 40-41	<0.01	--	--
NPC23	41-42 43-44	<0.01	--	--
NPC23	44-45 46-47	<0.01	--	--
NPC23	47-48 49-50	<0.01	--	--
NPC23	50-51 52-53	<0.01	--	--
NPC23	53-54 55-56	<0.01	--	--
NPC23	56-57 58-59	<0.01	--	--
NPC23	59-60 61-62	<0.01	--	--
NPC23	62-63 64-65	<0.01	--	--
NPC23	65-66 67-68	<0.01	--	--
NPC23	68-69 70-71	0.02	--	--
NPC23	71-72 73-74	<0.01	--	--
NPC23	74-75 76-77	0.01	<0.01	--
NPC23	77-78 79-80	0.01	--	--
NPC23	80-81 82-83	<0.01	--	--
NPC23	83-84 85-86	<0.01	--	--
NPC23	86-87 88-89	<0.01	--	--
NPC23	89-90 91-92	<0.01	--	--
NPC23	92-93 94-95	<0.01	--	--

UNITS	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01
SCHEME	FA1	FA1	FA1

Job: 5AD2862
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Rpt	Au Rpt
NPC23 95-96 97-98	<0.01	--	--
NPC23 98-99 100-01	<0.01	--	--
NPC23 101-02 103-04	<0.01	--	--
NPC23 104-05 106-07	<0.01	<0.01	--
NPC23 107-08 109-10	<0.01	--	--
NPC23 110-11 112-13	<0.01	--	--
NPC23 113-14 115-16	<0.01	--	--
NPC23 116-17 118-19	<0.01	--	--
NPC23 119-20 121-22	<0.01	--	--
NPC23 122-23 124-25	<0.01	--	--
NPC23 125-26 127-28	<0.01	--	--
NPC23 128-29 130-31	<0.01	--	--
NPC23 131-32 133-34	<0.01	--	--
NPC23 134-35 136-37	<0.01	--	--
NPC23 137-38 139-40	<0.01	--	--
NPC23 140-41 142-43	<0.01	--	--
NPC23 143-44 145-46	0.06	0.05	--
NPC23 146-47 148-49	0.84	0.94	0.99
NPC23 149-50 151-52	0.02	0.03	--
NPC23 152-53 154-55	<0.01	--	--
NPC23 155-56 157-58	0.02	<0.01	--
NPC23 158-59 160-61	0.01	--	--
NPC23 161-62 163-64	<0.01	--	--
NPC23 164-65 166-67	0.03	0.02	--
NPC23 167-68 169-70	0.01	--	--
NPC23 170-71 172-73	0.01	--	--
NPC23 173-74 175-76	<0.01	--	--
NPC23 176-77 178-79	<0.01	--	--
NPC23 179-80 181-82	0.02	<0.01	<0.01
NPC23 182-83 184-85	0.01	--	--
NPC23 185-86 187-88	<0.01	--	--
NPC23 188-89 190-91	<0.01	--	--
NPC23 191-92 193-94	<0.01	--	--
NPC23 194-95 196-97	<0.01	<0.01	--
NPC23 197-98 199-200	<0.01	--	--
NPC23 200-01 202-03	<0.01	--	--

UNITS	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01
SCHEME	FA1	FA1	FA1

Job: 5AD3493
O/N:

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Rpt
	NPC12 84.2-85	0.01	--
	NPC12 85-86	<0.01	--
	NPC12 86-87	<0.01	--
	NPC12 87-88	<0.01	--
	NPC12 88-89.35	<0.01	<0.01
NPC6	148.7-149.7	<0.01	--
	NPC6 220-221	0.02	--
	NPC6 221-222	0.02	--
	NPC6 222-223	0.01	--
	NPC6 223-224	0.12	--
	NPC6 224-225	0.09	--
	NPC6 205-206	<0.01	--
	NPC6 206-207	<0.01	--
	NPC6 207-208	<0.01	--
	NPC6 208-209	<0.01	--
	NPC6 209-210	<0.01	--
	NPC6 210-211	<0.01	--
	NPC6 211-212	<0.01	--

UNITS	ppm	ppm
DET.LIM	0.01	0.01
SCHEME	FA1	FA1

Job: 5AD2863
O/N:

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Rpt	Au Rpt
NPC14	39-40 41-42	<0.01	--	--
NPC14	42-43 44-45	<0.01	--	--
NPC14	45-46 47-48	0.04	0.03	--
NPC14	48-49 50-51	<0.01	--	--
NPC14	51-52 53-54	<0.01	<0.01	--
NPC14	54-55 56-57	<0.01	--	--
NPC14	57-58 59-60	<0.01	--	--
NPC14	60-61 62-63	<0.01	--	--
NPC14	63-64 65-66	<0.01	--	--
NPC14	66-67 68-69	<0.01	--	--
NPC14	69-70 71-72	<0.01	--	--
NPC14	72-73 74-75	<0.01	--	--
NPC14	75-76 77-78	<0.01	--	--
NPC14	78-79 80-81	<0.01	--	--
NPC14	81-82 83-84	<0.01	--	--
NPC14	84-85 86-87	<0.01	--	--
NPC14	87-88 89-90	<0.01	--	--
NPC14	90-91 92-93	<0.01	--	--
NPC14	93-94 95-96	<0.01	--	--
NPC14	96-97 98-99	<0.01	--	--
NPC14	99-100 101-02	<0.01	--	--
NPC14	102-03 104-05	<0.01	--	--
NPC14	105-06 107-08	<0.01	--	--
NPC14	108-09 110-11	<0.01	--	--
NPC14	111-12 113-14	<0.01	--	--
NPC14	114-15 116-17	0.02	0.03	--
NPC14	117-18 119-20	<0.01	--	--
NPC14	120-21 122-23	<0.01	--	--
NPC14	123-24 125-26	<0.01	--	--
NPC14	126-27 128-29	<0.01	--	--
NPC14	129-30 131-32	<0.01	0.01	--
NPC14	132-33 134-35	<0.01	--	--
NPC14	135-36 137-38	<0.01	--	--
NPC14	138-39 140-41	<0.01	--	--
NPC14	141-42 143-44	<0.01	--	--
NPC14	144-45 146-47	<0.01	--	--
NPC14	147-48 149-50	<0.01	--	--
NPC14	150-51 152-53	<0.01	--	--
NPC14	153-54 155-56	<0.01	--	--
NPC14	156-57 158-59	<0.01	--	--
NPC14	159-60 161-62	<0.01	--	--
NPC14	162-63 164-65	<0.01	--	--
NPC14	165-66 167-68	<0.01	--	--
NPC14	168-69 170-71	<0.01	--	--
NPC14	171-72 173-74	0.09	0.12	0.13
NPC14	174-75 176-77	0.19	0.18	--
NPC14	177-78 179-80	<0.01	--	--
NPC14	180-81 182-83	<0.01	--	--
NPC14	183-84 185-86	<0.01	--	--
NPC14	186-87 188-89	<0.01	0.01	--
	UNITS	ppm	ppm	ppm
	DET.LIM	0.01	0.01	0.01
	SCHEME	FA1	FA1	FA1

Job: 5AD2863
O/N:

Final

ANALYTICAL REPORT

SAMPLE			Au	Au Rpt	Au Rpt
NPC14	189-90	191-92	0.01	--	--
NPC14	192-93	194-95	0.01	--	--

UNITS	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01
SCHEME	FA1	FA1	FA1

Job: 5AD3494
 O/N:

Final

ANALYTICAL REPORT

	SAMPLE	Ag	As	Bi	Cd	Co	Cr	Cu
NPC6	138-39 140-41	--	--	--	--	--	--	--
	NPC14 173-174	<0.5	195	<5	1	5	11	6
	NPC14 174-175	<0.5	400	<5	<1	4	10	7
	NPC14 175-176	<0.5	430	<5	<1	7	9	8
	NPC14 176-177	<0.5	50	<5	<1	4	10	6
	NPC23 145-146	<0.5	78	<5	<1	8	28	6
	NPC23 146-147	2.0	1300	<5	5	11	15	23
	NPC23 147-148	<0.5	42	<5	<1	4	24	5
	NPC23 148-149	<0.5	32	<5	<1	5	20	12
	NPC23 149-150	<0.5	27	<5	<1	7	11	4
	NPC24 45-46	<0.5	6	<5	<1	4	26	20
	NPC24 46-47	<0.5	13	<5	<1	4	21	16
	NPC24 47-48	<0.5	11	<5	<1	5	23	17
	NPC24 51-52	<0.5	6	<5	<1	4	24	5
	NPC24 52-53	<0.5	7	<5	<1	6	36	9
	NPC24 53-54	<0.5	5	<5	<1	4	32	12

UNITS	ppm						
DET.LIM	0.5	1	5	1	1	2	1
SCHEME	IC2E						

Final

ANALYTICAL REPORT

	SAMPLE	Fe	Mn	Mo	Ni	Pb	P	Sb
NPC6	138-39 140-41	--	--	--	--	--	--	--
	NPC14 173-174	1.81%	100	1	13	220	84	<5
	NPC14 174-175	5.54%	90	<1	24	76	72	34
	NPC14 175-176	2.88%	115	<1	21	550	105	12
	NPC14 176-177	1.46%	150	2	11	46	100	<5
	NPC23 145-146	1.83%	88	1	16	24	135	<5
	NPC23 146-147	4.09%	800	1	36	410	135	18
	NPC23 147-148	1.15%	105	1	12	16	120	<5
	NPC23 148-149	1.32%	170	1	12	8	140	<5
	NPC23 149-150	9900	200	<1	15	10	185	<5
	NPC24 45-46	4.61%	240	<1	13	42	310	<5
	NPC24 46-47	9.05%	600	<1	16	125	600	6
	NPC24 47-48	6.67%	410	<1	15	135	450	<5
	NPC24 51-52	2.54%	155	<1	11	18	155	<5
	NPC24 52-53	3.29%	195	2	14	28	195	<5
	NPC24 53-54	3.53%	210	<1	9	52	290	<5

UNITS	ppm						
DET.LIM	100	5	1	1	3	5	5
SCHEME	IC2E						

Job: 5AD3494
 O/N:

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Rpt	V	Zn
NPC6	138-39 140-41	<0.01	--	--	--
	NPC14 173-174	0.07	--	2	460
	NPC14 174-175	0.16	--	2	105
	NPC14 175-176	0.18	--	3	360
	NPC14 176-177	<0.01	--	2	28
	NPC23 145-146	0.11	--	3	58
	NPC23 146-147	1.35	--	3	1450
	NPC23 147-148	0.03	--	4	27
	NPC23 148-149	<0.01	--	4	20
	NPC23 149-150	<0.01	<0.01	5	25
	NPC24 45-46	0.55	--	18	52
	NPC24 46-47	0.92	--	17	160
	NPC24 47-48	0.55	--	16	135
	NPC24 51-52	0.02	--	15	39
	NPC24 52-53	0.04	--	21	44
	NPC24 53-54	0.06	--	17	60

UNITS	ppm	ppm	ppm	ppm
DET.LIM	0.01	0.01	1	1
SCHEME	FA1	FA1	IC2E	IC2E

Job: 5AD3239
 O/N: 599510

Final

ANALYTICAL REPORT

SAMPLE			Au	Au Rpt	Au Rpt
NPC25	52-53	54-55	<0.01	--	--
NPC25	55-56	57-58	<0.01	--	--
NPC25	58-59	60-61	<0.01	--	--
NPC25	61-62	63-64	0.01	--	--
NPC25	64-65	66-67	<0.01	<0.01	--
NPC25	67-68	69-70	<0.01	--	--
NPC25	70-71	72-73	<0.01	--	--
NPC25	73-74	75-76	<0.01	--	--
NPC25	76-77	78-79	<0.01	--	--
NPC25	79-80	81-82	<0.01	--	--
NPC25	82-83	84-85	<0.01	--	--
NPC25	85-86	87-88	<0.01	--	--
NPC25	88-89	90-91	<0.01	--	--
NPC25	91-92	93-94	<0.01	--	--
NPC25	94-95	96-97	<0.01	--	--
NPC25	97-98	99-100	<0.01	--	--
NPC25	100-01	102-03	<0.01	--	--
NPC25	103-04	105-06	<0.01	--	--
NPC25	106-07	108-09	<0.01	--	--
NPC25	109-10	111-12	<0.01	--	--
NPC25	112-13	114-15	<0.01	--	--
NPC25	115-16	117-18	<0.01	--	--
NPC25	118-19	120-21	<0.01	--	--
NPC25	121-22	123-24	<0.01	--	--
NPC25	124-25	126-27	<0.01	--	--
NPC25	127-28	129-30	<0.01	--	--
NPC25	130-31	132-33	<0.01	--	--
NPC25	133-34	135-36	<0.01	--	--
NPC25	136-37	138-39	<0.01	--	--
NPC25	139-40	141-42	<0.01	--	--
NPC25	142-43	144-45	<0.01	<0.01	--
NPC25	145-46	147-48	<0.01	--	--
NPC25	148-49	150-51	<0.01	--	--
NPC25	151-52	153-54	<0.01	--	--
NPC25	154-55	156-57	<0.01	--	--
NPC25	157-58	159-60	<0.01	--	--
NPC25	160-61	162-63	<0.01	--	--
NPC25	163-64	165-66	<0.01	--	--
NPC25	166-67	168-69	<0.01	--	--
NPC25	169-70	171-72	<0.01	--	--
NPC25	172-73	174-75	<0.01	--	--
NPC25	175-76	177-78	<0.01	--	--
NPC25	178-79	180-81	<0.01	--	--
NPC25	181-82	183-84	0.05	--	--
NPC25	184-85	186-87	0.04	--	--
NPC25	187-88	189-90	<0.01	--	--
NPC25	190-91	191-92	<0.01	--	--
NPC12	33-34	35-36	<0.01	--	--
NPC12	36-37	38-39	<0.01	--	--
NPC12	39-40	41-42	<0.01	--	--

UNITS	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01
SCHEME	FA1	FA1	FA1

Job: 5AD3239
O/N: 599510

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Rpt	Au Rpt
NPC12	42-43 44-45	<0.01	--	--
NPC12	45-46 47-48	<0.01	--	--
NPC12	48-49 50-51	<0.01	--	--
NPC12	51-52 53-54	<0.01	--	--
NPC12	54-55 56-57	0.01	--	--
NPC12	57-58 59-60	<0.01	--	--
NPC12	60-61 62-63	<0.01	--	--
NPC12	63-64 65-66	<0.01	--	--
NPC12	66-67 68-69	<0.01	--	--
NPC12	69-70 71-72	<0.01	--	--
NPC12	72-73 74-75	<0.01	--	--
NPC12	75-76 77-78	<0.01	--	--
NPC12	78-79 80-81	<0.01	--	--
NPC12	81-82 82-83	<0.01	--	--
NPC24	45-46 47-48	0.56	0.38	0.56
NPC24	48-49 50-51	0.02	<0.01	--
NPC24	51-52 53-54	5.97	2.14	3.27
NPC24	54-55 56-57	0.06	--	--
NPC24	57-58 59-60	0.04	--	--
NPC24	60-61 62-63	0.01	--	--
NPC24	63-64 65-66	0.02	--	--
NPC24	66-67 68-69	0.07	--	--
NPC24	69-70 71-72	0.07	--	--
NPC24	72-73 74-75	0.02	--	--
NPB24	75-76 77-78	0.03	--	--
NPC24	78-79 80-81	<0.01	--	--
NPC24	81-82 83-84	<0.01	--	--
NPC24	84-85 86-87	<0.01	--	--
NPC24	87-88 89-90	<0.01	<0.01	--
NPC24	90-91 92-93	<0.01	--	--
NPC24	93-94 95-96	0.04	--	--
NPC24	96-97 98-99	<0.01	--	--
NPC24	99-100 101-02	<0.01	--	--
NPC24	102-03 104-05	<0.01	--	--
NPC24	105-06 107-08	<0.01	--	--
NPC24	108-09 111-12	<0.01	--	--

UNITS	ppm	ppm	ppm
DET.LIM	0.01	0.01	0.01
SCHEME	FA1	FA1	FA1

Job: 6AD0710
O/N:

Final

ANALYTICAL REPORT

	SAMPLE	Au	Au Rpt
	NPC26 134-136	0.01	--
	NPC26 136-138	<0.01	--
	NPC26 138-140	0.03	--
	NPC26 140-142	0.07	--
	NPC26 142-144	<0.01	--
	NPC26 144-146	<0.01	--
	NPC26 146-148	0.01	--
	NPC26 148-150	0.01	--
	NPC26 150-152	<0.01	--
	NPC26 152-154	<0.01	--
	NPC26 154-156	<0.01	--
	NPC26 156-158	0.02	--
	NPC26 158-160	<0.01	--
	NPC26 160-162	<0.01	--
	NPC26 162-164	<0.01	--
	NPC26 164-166	<0.01	--
	NPC26 166-168	<0.01	--
	NPC26 168-170	<0.01	--
	NPC26 170-172	<0.01	--
	NPC26 172-174	<0.01	--
	NPC26 174-176	<0.01	<0.01
	NPC26 176-178	<0.01	--
	NPC26 178-180	0.04	--
	NPC26 KS1	0.03	0.14

UNITS	ppm	ppm
DET.LIM	0.01	0.01
SCHEME	FA1	FA1

Job: 6AD0809
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Rpt
NPC26 83-84	<0.01	0.04
NPC26 84-85	<0.01	--
NPC26 85-86	<0.01	--
NPC26 86-87	0.04	--

UNITS	ppm	ppm
DET.LIM	0.01	0.01
SCHEME	FA1	FA1

Job: 6AD0365
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Au	Au Rpt
NPC-27 122-123	<0.01	--
NPC-27 123-124	<0.01	--
NPC-27 124-125	<0.01	--
NPC-27 125-126	<0.01	--
NPC-27 126-127	<0.01	--
NPC-27 127-128	<0.01	--
NPC-27 128-129	0.08	--
NPC-27 129-130	0.04	--
NPC-27 130-131	<0.01	--
NPC-27 131-132	<0.01	<0.01
NPC-27 133-134	<0.01	--
NPC-27 134-135	<0.01	--
NPC-27 135-136	<0.01	--
NPC-27 136-137	<0.01	--
NPC-27 137-138	<0.01	--
NPC-27 138-139	<0.01	--

UNITS	ppm	ppm
DET.LIM	0.01	0.01
SCHEME	FA1	FA1

Job: 6AD0561
O/N: Additional 6AD0365

Final

ANALYTICAL REPORT

SAMPLE	As	Zn
NPC-27 135-136	100	<0.005
NPC-27 136-137	<50	<0.005
NPC-27 137-138	<50	0.005

UNITS	ppm	%
DET.LIM	50	0.005
SCHEME	MET1	MET1

Appendix C

Petrography Report

Ref: 69381, KM-M10605.DOC

MINERAL RESOURCES TASMANIA

A Division of
DEPARTMENT of *INFRASTRUCTURE*,
ENERGY and *RESOURCES*

Enquiries: Ralph Bottrill
Phone: (03) 6233 8359
Email: rbottrill@mrt.tas.gov.au
Our File: Document2S

13/12/2005

K.C. Morrison Pty Ltd
41 Tasma St
North Hobart
Tas., 7000

Attention: Ken Morrison

Dear Ken

**JOB M106/05: PETROLOGY,
BEACONSFIELD**

Two thin sections and rock samples from the above locations were submitted by yourself for brief petrography and photography. They were polished and examined by transmitted and reflected polarised light and stereo-microscopic techniques, and the report is enclosed.

An invoice for \$209 covering these analyses (2 polished sections @ \$45 ea., 1 microscopic description @ \$50; 6 digital photomicrographs @ \$5 ea.; \$20 handling, \$19 GST) will be forwarded.

Yours sincerely

R S Bottrill
MINERALOGIST-PETROLOGIST

Petrological examination of rock samples from Beaconsfield.

**An unpublished Mineral Resources Tasmania report
for K.C. Morrison Pty Ltd**

R.S. Bottrill

MRT MinPet Lab Job No. M106a/05

7/2/06

Introduction

Two thin sections and small rock chip samples, labelled “NPC pet1” and registered with MRT as G403083, from drilling at Pease Creek near Beaconsfield, were submitted by yourself for brief petrography and photography. They were polished and examined by transmitted and reflected polarised light and stereo-microscopic techniques.

Petrological examination

Sample 1.

In hand specimen the rock sample is a massive, dark grey, quartzitic rock. There is very little foliation and no indication of veining, alteration or mineralisation.

In thin section the rock is a variably-carbonate-altered quartz arenite composed mostly of medium to coarse-grained, granular quartz (~65%) with about 5% lithic grains (chert and schist), 5% white mica, 20% carbonate grains and about 5% carbonaceous matter. There are two distinct carbonates, siderite and ankerite (by XRD). Other than carbonaceous matter, there is very little intergranular material due to recrystallisation and carbonate replacement of quartz along grain boundaries. There are also traces of tourmaline and rutile crystals, probably recrystallised detrital grains.

Alteration is represented by abundant coarse sparry carbonates, trace disseminated, subhedral and poikiloblastic pyrite, and small traces of arsenopyrite and chalcopyrite. No veining is apparent.

The carbonaceous matter has variable, but mostly low to very low reflectivity, and has only very weak bireflectance. It may be best classified as ranging from bitumen to

pyrobitumen. It mostly fills intergranular pores between quartz grains. Some is rarely enclosed in carbonate or pyrite grains, but rarely in quartz grains, which have recrystallised into it in part.

Discussion.

The rock is a carbonaceous, carbonate-altered sandstone. The low maturity of the carbonaceous material would indicate it has undergone very little heating and metamorphism, and may indicate a late stage introduction of hydrocarbons, rather than detrital organic matter. The presence of some of this material in carbonate and pyrite grains indicates that it is not of a post-mineralisation origin. These facts indicate that the hydrocarbon was most probably introduced in a CO₂-hydrocarbon rich hydrothermal fluid. Such fluids are probably common in gold-bearing hydrothermal systems (J. Taheri, pers. comm.). More research would be needed, however, to tie down the timing of the introduction of the carbonaceous matter, and fluid inclusion studies and analysis of the organic compounds may be useful in this regard.

Disclaimers

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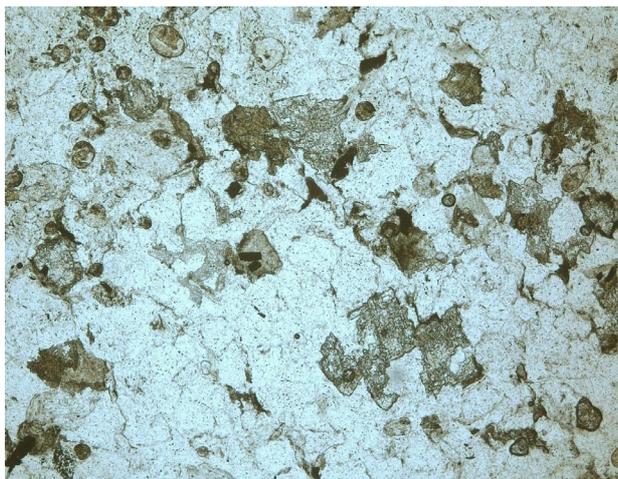


Fig. 1. Sample G403083, x6.3, Non-crossed polars, FOV: 1.7x1.1mm, showing pale brown and colourless carbonates with some organic matter. Fig. 2. Sample G403083, x16, Crossed polars, FOV: 0.7x0.4mm, showing black carbonaceous matter, speckled carbonates and white to grey quartz.

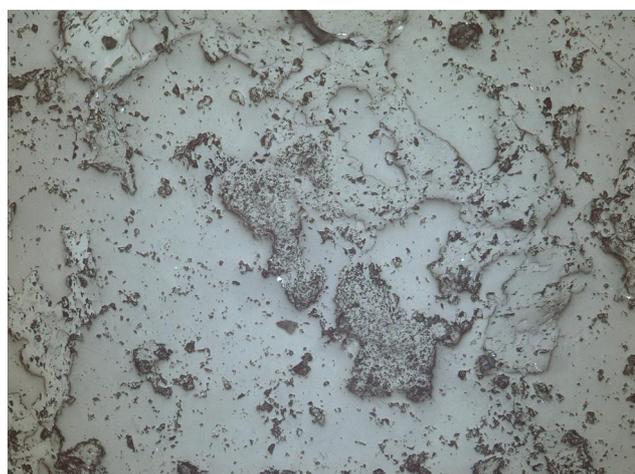


Fig. 3. Same sample, x10, Non-crossed polars, transmitted light, FOV: 0.7x1.1mm, showing intergranular organic matter. Fig. 4. Same area, x10, Reflected light, showing non-reflectivity.

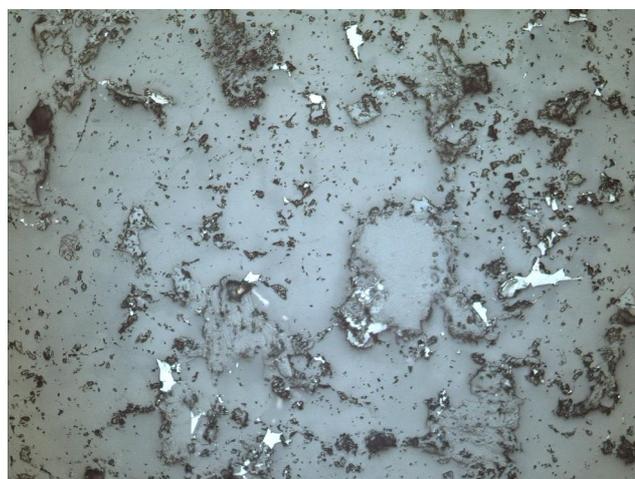
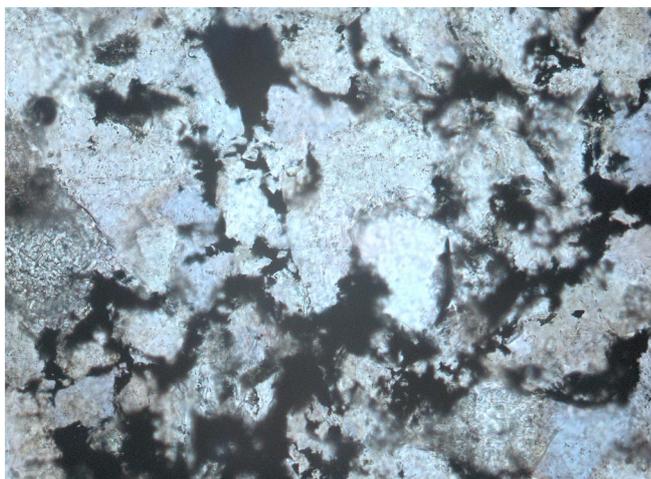


Fig. 3. Same sample, x10, Non-crossed polars, transmitted light, FOV: 0.7x1.1mm, showing intergranular organic matter. Fig. 4. Same area, x10, Reflected light, shows some more reflective grains.