

**BCD Resources NL**  
**EL 27/2000 Beaconsfield-Pease Creek**  
**Final Report**

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20 April 2010

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## **INTRODUCTION & TENEMENT DETAILS**

Exploration Licence 27/2000 covers 3 km<sup>2</sup> immediately north of the Beaconsfield Mine Lease and centred around Pease Creek (Figure 1). Land tenure within the EL comprises a mixture of private farmland, Crown Land, Crown Reserve and multiple use State Forest. All parts of the EL are easily accessed by public and private vehicle roads and short distance walking.

The EL was awarded to Beaconsfield Gold NL (now BCD Resources NL) on 1 March 2002 for an initial period of five years ending on 22 February 2007. Extensions of Term were granted until 22 February 2010, at which time part of EL 27/2000 was consolidated into Retention Licence 1/1999 and the remainder was relinquished. This final report deals with the relinquished portion of the EL.

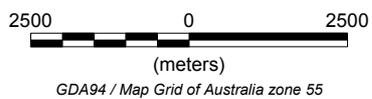
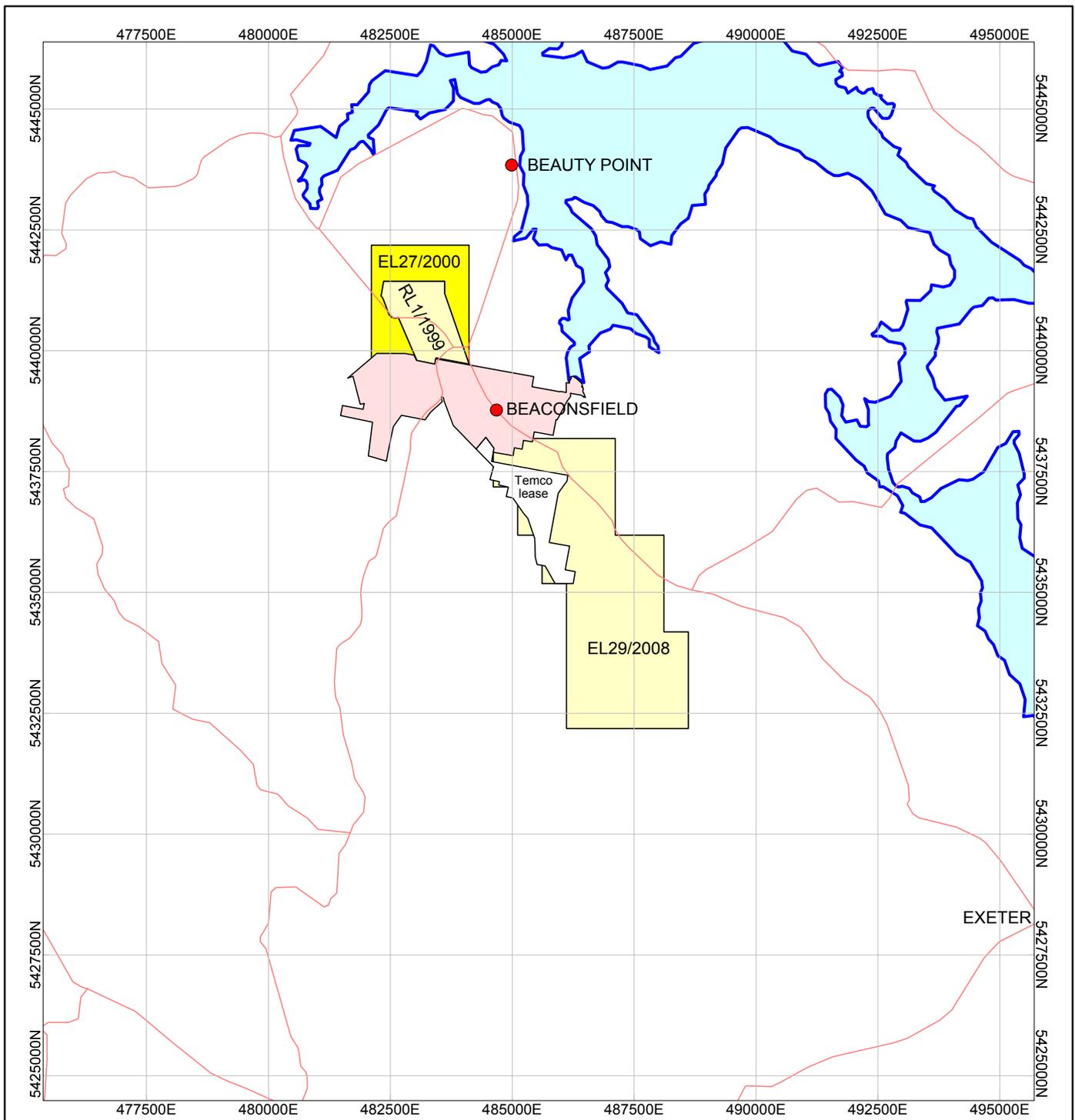
## **PROSPECTIVITY & EXPLORATION SUMMARY**

EL 27/2000 was acquired to cover predicted strike extension of the Ordovician Beaconsfield Mine Sequence host rock stratigraphy and bounding thrust faults, beneath Cainozoic and Permian cover sediments along strike towards the northwest from the main Pease Creek prospect inside RL 1/1999 (Figure 2).

Prior to EL 27/2000, the area was covered by EL 7/88 (MacDonald, 1998, Hills and MacDonald, 1999) and explored by the Beaconsfield Mine Joint Venture. In 1995 ten RC percussion holes were drilled on the ground currently being relinquished, as part of a 25 hole scout drilling program (McKeown, 1995). BRC24 also included a diamond drill tail. These ten holes (BRC5-10 and 21-24), in addition to water monitoring bores WBH27, 87 and 155 are the only drill holes which have been identified on the portion of EL 27/2000 being relinquished (Figure 3). Some additional drilling covered by ML 1767P/M is also shown on Figure 3. No significant intersections were achieved in the area relinquished and only minor gold mineralization was drilled in holes B38-40, on ground covered by ML 1767P/M (Figure 3, Table 1).

From 2003-2006 EL 27/2000 was explored jointly with adjoining BGNL tenements ELs 30/1997, 12/1999 and 7/2000. This joint EL exploration was reported as the Cobblestone Creek and North Pease Creek programs (Morrison and Muir, 2004, Morrison, 2005 and 2006). Mine Sequence stratigraphy was demonstrated, by vertical reverse circulation percussion scout drilling, to extend further northwest than the northern tenement boundary of EL 27/2000, beneath cover sediments which thicken to the northwest. No mineralization was encountered north of approximately 5442000N (GDA94) by this scout drilling but the holes were widely spaced and the trend remains inadequately tested. Difficulties in successfully drilling and holding open the Tertiary sediments in particular, proved a major hurdle to cost effective scout drilling throughout the program.

No exploration occurred during the period 2006-2008 and since 2008 exploration has focused on the northern extension of the Pease Creek prospect within RL 1/1999 and the potential for strike parallel mineralization in the hanging wall of the Cabbage Tree Thrust. Drilling programs to test both plays have been conducted jointly within RL 1/1999 and EL 27/2000. In February 2010 MRT granted an increase to the area of RL 1/1999 so that the current exploration of the Pease Creek-North Pease Creek trend could continue. The remainder of EL 27/2000 (Figure 3) has expired.



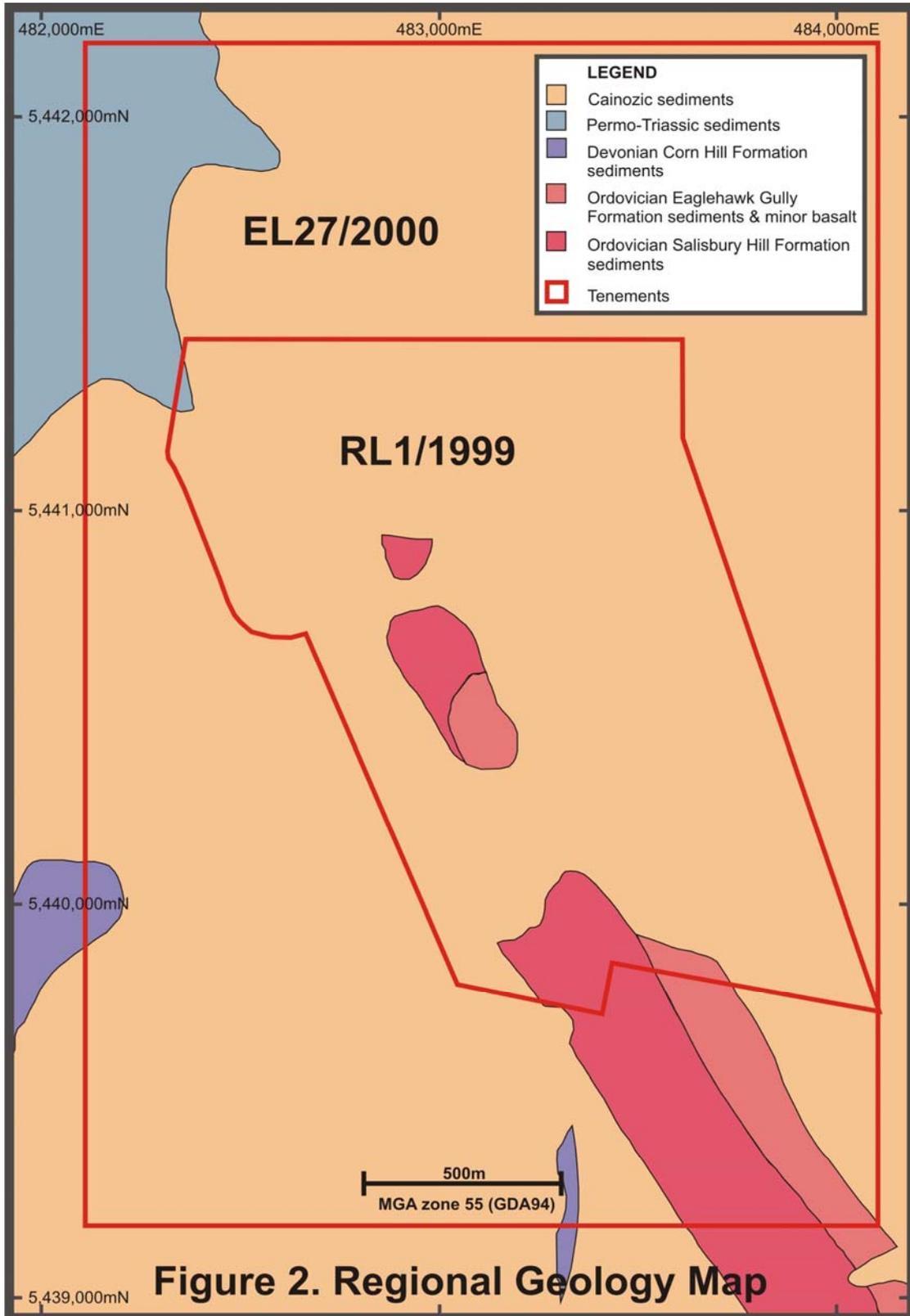
GDA94 / Map Grid of Australia zone 55

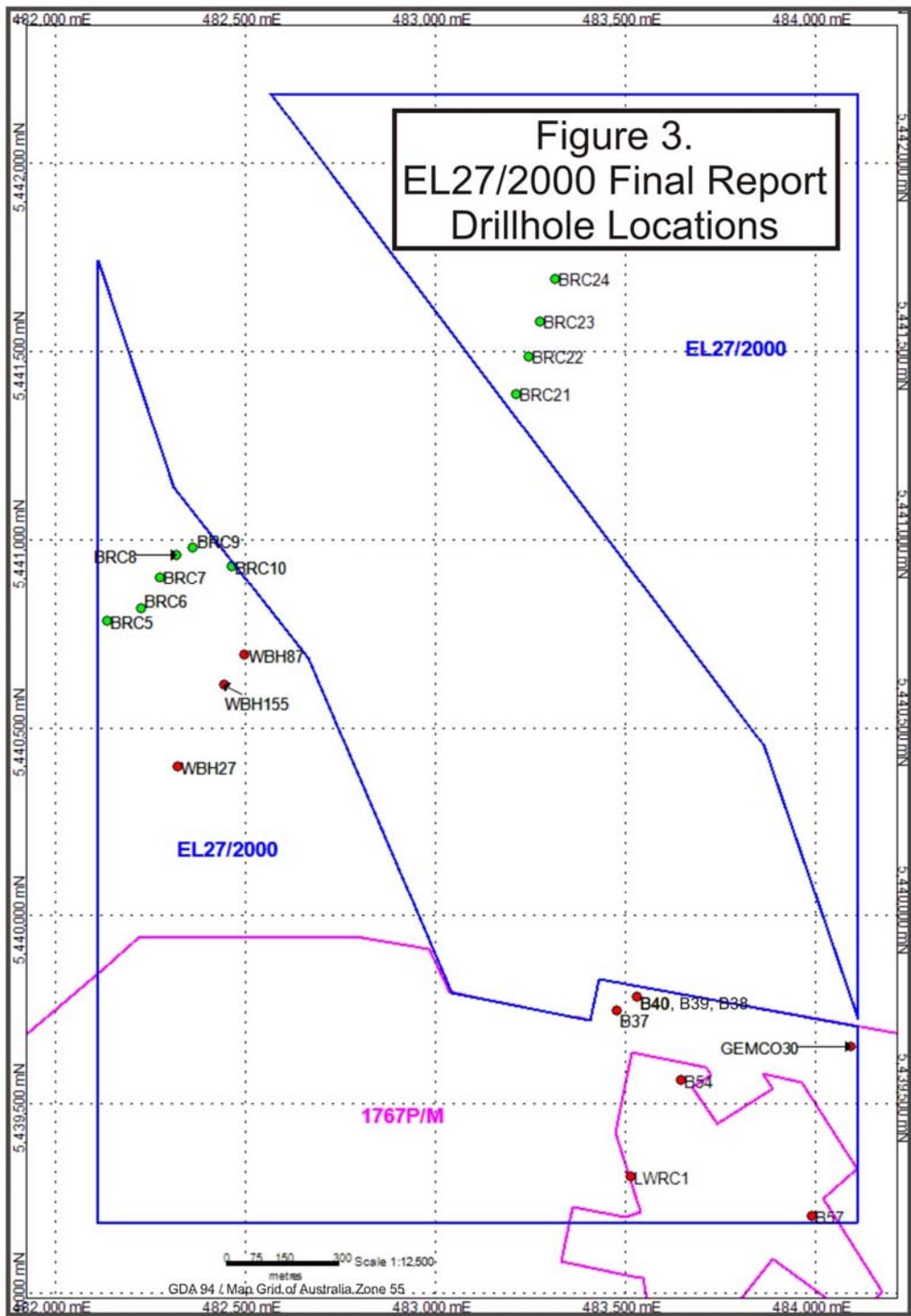
## BEACONSFIELD GOLD NL

Figure 1  
Location Map  
EL 27/2000

Author: KM / PM

Date: Apr 2010





**Table 1 Drilling Data**

<b>Drillhole Name</b>	<b>Drillhole Type</b>	<b>MGA Easting</b>	<b>MGA Northing</b>	<b>MGA RL (metres)</b>	<b>Map Grid GDA94</b>	<b>Total Depth (metres)</b>	<b>Current Tenement</b>	<b>Company</b>
<b>RC Exploration Drilling North of Beaconsfield Township</b>								
BRC5	Reverse Circulation	482135.43	5440783.93	2076.08	Zone 55 South	36	EL27/2000	Beaconsfield Mine JV
BRC6	Reverse Circulation	482224.93	5440818.42	2074.82	Zone 55 South	36	EL27/2000	Beaconsfield Mine JV
BRC7	Reverse Circulation	482276.93	5440901.32	2074.6	Zone 55 South	36	EL27/2000	Beaconsfield Mine JV
BRC8	Reverse Circulation	482317.33	5440961.92	2069.5	Zone 55 South	30	EL27/2000	Beaconsfield Mine JV
BRC9	Reverse Circulation	482361.33	5440979.93	2067	Zone 55 South	42	EL27/2000	Beaconsfield Mine JV
BRC10	Reverse Circulation	482464.33	5440929.93	2062	Zone 55 South	50	EL27/2000	Beaconsfield Mine JV
BRC21	Reverse Circulation	483211.34	5441388.92	2060	Zone 55 South	66	EL27/2000	Beaconsfield Mine JV
BRC22	Reverse Circulation	483243.33	5441487.32	2063.68	Zone 55 South	73	EL27/2000	Beaconsfield Mine JV
BRC23	Reverse Circulation	483273.63	5441580.52	2065.07	Zone 55 South	74	EL27/2000	Beaconsfield Mine JV
BRC24	Reverse Circulation	483313.44	5441692.72	2067.1	Zone 55 South	123	EL27/2000	Beaconsfield Mine JV
<b>Water Bores</b>								
WBH27	Rotary Air Blast	482321.13	5440396.81	2065.92	Zone 55 South	15	EL27/2000	Beaconsfield Mine JV
WBH87	Rotary Air Blast	482495.92	5440694.41	2054.35	Zone 55 South	47	EL27/2000	Beaconsfield Mine JV
WBH155	Rotary Air Blast	482443.33	5440614.91	2057	Zone 55 South	18	EL27/2000	Beaconsfield Mine JV
<b>Drilling on Mining Lease</b>								
B37	Diamond	483476.53	5439750.5	2059.13	Zone 55 South	171.6	1767P/M	Beaconsfield Mine JV
B38	Diamond	483528.84	5439787.07	2055.67	Zone 55 South	280.3	1767P/M	Beaconsfield Mine JV
B39	Diamond	483528.84	5439786.92	2055.67	Zone 55 South	97	1767P/M	Beaconsfield Mine JV
B40	Diamond	483528.33	5439786.92	2055.67	Zone 55 South	240.1	1767P/M	Beaconsfield Mine JV
B54	Diamond	483646.08	5439563.42	2093.39	Zone 55 South	332	1767P/M	Beaconsfield Mine JV
B54A	Diamond	483646.08	5439563.42	2093.39	Zone 55 South	437	1767P/M	Beaconsfield Mine JV
B54B	Diamond	483646.08	5439563.42	2093.39	Zone 55 South	457	1767P/M	Beaconsfield Mine JV
B54C	Diamond	483646.08	5439563.42	2093.39	Zone 55 South	536	1767P/M	Beaconsfield Mine JV
B57	Diamond	483988.62	5439201.69	83.668	Zone 55 South	154.4	1767P/M	Beaconsfield Mine JV
LWRC1	Diamond	483513.33	5439308.92	2068.84	Zone 55 South	91	14M/1960	Beaconsfield Mine JV
GEMCO30	Auger	484093.33	5439654.92	2036	Zone 55 South	12.2	1767P/M	Beaconsfield Mine JV

## **EXPENDITURE**

Total Expenditure on EL 27/2000 up until 30 December 2009 was \$458,668.

## **REFERENCES**

Hills, P.B. & MacDonald, G., 1999. EL 7/88 Beaconsfield. Annual Report 1998/99. Allstate Explorations NL.

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