



**BOOKER GOLD  
EXPLORATIONS  
LIMITED**

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**DRILL INDICATED TONNAGE AND GRADE ESTIMATES  
FOR HEARNE HILL / MORRISON PROJECT**

Booker Gold Explorations Limited has completed a resource estimate for the Hearne Hill/Morrison project located 65 km northeast of Smithers in central BC. The project consists of one large copper-gold porphyry deposit, named the Morrison, adjacent to the Hearne Hill porphyry system which contains two known high-grade breccia zones, named the Bland and Chapman Zones. The combined indicated resource estimate, to date, for the Morrison deposit, Bland and Chapman Zones, using \$0.75/lb copper at 90% recovery and \$300/oz gold at 80% recovery is 127,430,000 tonnes of 0.50% Cu equivalent (EQ) at 0.30% Cu cut-off grade, including 37,720,000 tonnes of 0.66% Cu EQ at a 0.40% Cu cut-off grade (see Table 1 for detailed grades and tonnages).

The high-grade zones on Hearne Hill contain a drill indicated resource of 4,230,000 tonnes of 0.70% CuEQ at a 0.30% Cu cut-off grade. A resource of 123,200,000 tonnes of 0.49% CuEQ is estimated on Morrison at a 0.30% Cu cut-off grade. The conceptual development plan for the project would be to process high-grade material from Hearne Hill in the early years to blend with material mined from the Morrison in order to provide richer feed for the mill. This would allow for a pit design on the Morrison that could take advantage of a large deposit supplemented by higher grade mill-feed from Hearne Hill, thus ensuring a rapid return on capital costs.

The potential for a third high-grade zone on Hearne Hill is indicated by mineralized float, soil geochemistry and geophysics. Future exploration on Hearne Hill will concentrate on defining additional high-grade zones.

The Hearne Hill deposit is 100% owned by Booker Gold Explorations Limited. Tonnage and grade estimates for the Hearne Hill deposit were calculated by Giroux Consultants Ltd. of Vancouver, an independent geological consulting firm specializing in ore reserve estimates. The resource estimate is from 143 diamond drill holes based on copper analysis by ICP method and gold by Aqua-Regia analysis method (see Table 1). A geological interpretation of drill hole and trench data on 25 meter plan sections was used to define three distinct geological zones within the Hearne Hill deposit; the high-grade Bland Zone, the high-grade Chapman Zone and the lower-grade Porphyry envelope. Surpac software was used to develop three-dimensional block models of the three zones with all corresponding drill hole intercepts. Uniform 12.5m composites were produced for copper and gold that honoured the boundaries of the three mineralized domains. Within the geostatistical search area, an indicated block is one with data from two diamond drill holes within 45m on the long axis within the porphyry envelope, 40m within the Bland Zone and 30m within the Chapman.

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An inferred block includes only one drill hole within 50, 45 and 40m respectively, within the search radius. Tonnage was not calculated for blocks with data at larger intervals.

A detailed statistical analysis of the Hearne Hill data was completed, block model grades were estimated using Kriging methods, and tonnages were then classified as either indicated or inferred. As drilling was concentrated over the two high grade zones, most of the tonnage within the high-grade zones was classified as indicated (at a 0.3% Cu cut-off 4,230,000 tonnes indicated vs. 947,000 inferred). Wide-spaced drilling throughout the remainder of the porphyry deposit does not allow large sections to be estimated. Therefore, all figures released for Hearne Hill are for the Chapman and Bland Zones only.

For the Bland and Chapman Zones, gold was systematically analyzed using Aqua-Regia digestion. To check the validity of this method, 622 samples were re-run using fire-assay to determine the true gold content. Results comparing fire-assay gold to Aqua-Regia gold analysis clearly indicate that fire assays on average, provide higher gold values. Tonnage estimates as reported use the Aqua-Regia data and are therefore considered lower than the true value in the ground. As of December 1997, Booker Gold began using fire assay for analysis of all drill core.

The Morrison deposit is under a 50% option from Noranda Mining and Exploration Inc. More detailed diamond drilling with larger diameter drill core could confirm potentially higher grades for the Morrison. Results from recent holes by Booker Gold suggest that copper and gold grades are higher than originally suggested by Noranda's diamond drilling between 1963 and 1973 (see News Release dated October 21, 1997). A manual sectional resource estimation was performed by geologists on 60m vertical sections. Copper grades were calculated for 207 polygonal blocks. Gold was assayed for the three recent drill holes, and it was determined that gold grades are proportionally higher in relation to copper grades. Based on this correlation, a linear regression line was calculated at  $y=0.5344x$  or gold (g/t) = 0.5344 copper (%), and gold grades were then calculated based on copper grades from each block. Further drilling will more accurately determine gold grades for the Morrison.

TABLE 1:

**OPEN PIT MINES IN BRITISH COLUMBIA RESERVES AT START-UP<sup>1</sup>**

Deposit	Reserve	Grade Cu %	Grade Au g/t
Bell	128,000,000	0.48	0.34
Bethlehem	556,000,000	0.42	-
Gibraltar	360,000,000	0.37	-
Granisle	94,000,000	0.43	0.14
Huckleberry	100,000,000	0.51	0.07
Island	280,000,000	0.52	0.21
Kemess South	221,000,000	0.22	0.62
Lornex	526,000,000	0.41	-
Mount Polley	91,000,000	0.30	0.41
Prosperity*	698,000,000	0.25	0.47
Similco	60,000,000	0.43	0.17

<sup>1</sup> Source Taseko Mines Limited News Release June 10, 1998.

\* Mineable reserves.

## BOOKER GOLD EXPLORATIONS LIMITED

### HEARNE HILL

#### CHAPMAN & BLAND Zones (Computer Generated)

##### Cut -Off

	Grade	Cu %	Tonnage	Cu (%)	Au g/t	*CuEQ
Indicated	0.3	4,230,000	0.600	0.186	0.697	
	0.4	2,816,000	0.730	0.223	0.850	
	0.5	2,157,000	0.817	0.246	0.946	
	0.6	1,478,000	0.941	0.272	1.083	
Inferred	0.3	947,000	0.408	0.183	0.504	
	0.4	248,000	0.578	0.237	0.702	
	0.5	125,000	0.724	0.281	0.871	
	0.6	104,000	0.757	0.286	0.907	

### MORRISON

#### Manual Sectional Resource Estimation (Drill Indicated)

##### Cut -Off

	Grade	Cu %	Tonnage	Cu (%)	**Au g/t	*CuEQ
	0.30	123,200,000	0.380	0.203	0.485	
	0.35	64,700,000	0.438	0.234	0.558	
	0.40	34,900,000	0.503	0.269	0.644	
	0.45	18,300,000	0.581	0.310	0.743	
	0.50	16,100,000	0.596	0.319	0.763	
	0.55	10,800,000	0.638	0.341	0.816	
	0.60	6,700,000	0.682	0.365	0.876	
	0.65	5,000,000	0.702	0.375	0.901	

#### COMBINED INDICATED RESOURCE as of July 1998 for Morrison/Hearne Hill Project

Cu% cut-off grade

Morrison, Bland &

Chapman Zones

	Tonnage	Cu (%)	Au g/t	*CuEQ
0.3%	127,430,000	0.39	0.20	0.50
0.4%	37,720,000	0.52	0.27	0.66
0.5%	18,257,000	0.63	0.31	0.79
0.6%	8,180,000	0.73	0.35	0.91

\*\*Au grades estimated for Morrison deposit based on results from NQ diamond drill holes 98-Mo-1,2 and 3 (Linear Curve (Au=0.53XCu).

\*Cu EQ: Using \$.75/lb Copper at 90% recovery and \$300/oz Gold at 80% recovery.

All data, management and work has been under the direct supervision of independent consultant Ed Kimura, FGAC.

J. Paul Stevenson, CEO and Director  
Booker Gold Explorations Limited

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