

Stope	B2-34	B2-33	B2-35&36
Tons dust	13,281	12,595	36,500
Tons As2O3	6,330	6,141	25,860
% As2O3	47.67	48.76	70.85
Oz/t Au	2.38	1.325	0.767
Oz Au	31,609	16,688	27,980

Royal Oak Mines Inc, Giant Mine
Arsenic Reclaim and Purification
Economic study (5000 - 7500 tpy)
Capital and operating costs

year	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
U/G source	B2-34	B2-34	B2-34	B2-33 & 34	B2-33 & 35	B2-35 - 36	B2-35 - 36	B2-35 - 36	B2-35 - 36	B2-35 - 36
U/G OPERATING (X1000)										
clamshell (90% recovery)	0	291	291	291	291	291	291	291	291	291
scoop (8% @ \$200/t)	0	0	0	212	202	0	0	0	0	0
pump (2% @ \$400/t)	0	0	0	106	101	0	0	0	0	0
subtotal	0	291	291	610	593	291	291	291	291	291
PLANT OPERATING (X1000)										
conventional (98%)	0	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342
slurry (2% @ \$500/t)	0	0	0	133	126	0	0	0	0	0
subtotal		1,342	1,342	1,475	1,468	1,342	1,342	1,342	1,342	1,342
FREIGHT, \$410/t (X1000)	0	2,050	2,460	2,870	3,075	3,075	3,075	3,075	3,075	3,075
total U/G, plant, and freight	0	3,683	4,093	4,955	5,136	4,708	4,708	4,708	4,708	4,708
CAPITAL (X1000)										
U/G clamshell	1,046			1,046	250					
U/G scoop				225						
U/G pump				175						
plant conventional	8,361									
plant slurry				1,116						
Total capital	9,407			2,562	250					
Total costs	9,407	3,683	4,093	7,517	5,386	4,708	4,708	4,708	4,708	4,708

TRANSFER FACILITY										
capital	2,925									
operating		634	634	634	634	634	634	634	634	634
truck freight to transfer		300	360	420	450	450	450	450	450	450
rail freight		650	780	910	975	975	975	975	975	975
total freight		1,584	1,774	1,964	2,059	2,059	2,059	2,059	2,059	2,059
difference truck vs rail		466	686	906	1,016	1,016	1,016	1,016	1,016	1,016