	B	C	D
2	Maple Leaf Powder Company		
3	Initial Blast Design Guide		31-Mar-03
4	Horne Lake production Scenario 4		
6	Enter units 1=BCM, 2=Tonnes	1	
7	1 for kg/bcm, 2 for bcm/kg, 3 kj/t	1	
9	Explosive Name	Emulsion Cap Sen	
10	Explosive Diameter	40	millimetres
11	Explosive Density	1.18	grams per cubic centimetre
12	Explosive Energy	915	calories per gram
13	Rock Density	2.6	grams per cubic centimetre
14	Bench Height	1.6	metres
15	Hole Angle (0 = vertical)	0	degrees
16	Desired Powder Factor	0.60	kilograms of explosive per bcm
18	***Suggested Burden***	***1.0***	***metres***
19	Actual Burden	1.0	metres
20	Stiffness Ratio	1.6	*average stiffness*
22	***Suggested Spacing***	***1.2***	***metres***
23	Actual Spacing	1.0	metres
25	***Suggested Stemming***	***1.1***	***metres***
26	Actual Stemming	1.1	***metres***
27	Vertical Energy Distribution	31%	
28	Confinement Factor	1.41	*good energy confinement*
30	***Suggested Subdrill***	***0.3***	***metres***
31	Actual Subdrill	0.0	metres
33	Blasthole Length	1.6	metres
34	Explosive Length	0.5	metres
35	Loading Density	1.5	kilograms per metre of blasthole
36	Explosive Weight	1	kilograms per blasthole
37	Explosive Energy	1	megajoules per blasthole
39	Volume Shot	2	bank cubic metres per blasthole
40	Mass Shot	4	tonnes per blasthole
42	Powder Factor	0.46	kilograms per bank cubic metre
43	Powder Factor	2.16	bank cubic metres per kilogram
45	Energy Factor	162	kilocalories per tonne
47	Distance Away	10	metres
48	Blastholes Per 8ms Delay	1	
49	***Est. Peak Part. Velocity***	***25***	***millimetres per second***