MINERAL RESERVE Summary — [Calculations based on B. Reeve's L, W, & Grades on Reserve Map]

Drifted Zone Of High Grade

DEPOSIT 0920017E

DATE : 820730

CALCULATION BY:

REVISED:

ZONE SEGMENT	ft Length	ft Thick-ness	AREA ft² / m²	S.G.	TONNE / m	grade oz/ton	Gr x STRIKE gm/m	L x W x Gr m.t.	m.t.	Wt Av Grade gm/m.t. oz/ton			REMARKS
Δ W+ 51.8" G 24.3"	92.5'	8.5'	786.25			.37	34.225	290.91					
	89.2	8.3	740.36			1.66	148.572	1228.998					
	78.4	4.0	313.6			0.20	1568	62.72					
	27.2	10.2	277.44			.68	18.496	188.66					
	21.0	11.6	243.6			.08	1.68	19.49					
	72.2	8.5	613.7			2.2	1588.4	1350.14					
	380.5 (115.98")	7.82 (2.38")	2974.95	ft²				3140.92		1.056	oz/ton		

$$\frac{W \times L \times H}{12.3} = TVF$$

$$\frac{2974.95}{12.3} = 241.87 \text{ TVF}$$

Tonnage

① Above Drift with average backs of 30m
241.9 x (30 x 3.28) = 23,803

② Below Drift with average floor of 16m
241.9 x (16 x 3.28) = 12,695

③ Total tons Above & Below Drift along H.G. Zone 36498 TONS

Tonnage & Grade with Dilution

30% Dilution, material grade 3gm/tonne or .0875 oz/ton

① Above drift, = 23803 x 1.3 = 30944 TONS
23803 x 1.056 = 25136 TONS x OZ
7141 x .0875 = 624.8
25,760.8 ÷ 30944 .83 oz/ton

② Below drift = 12,695 x 1.3 = 16,503.5 TONS
diluted grade .83 oz/ton

③ Total tonnage Above & Below drift = 47447.5 TONS

Add 10% to tonnage to adj. for dip length.

MINERAL RESERVE - Based on D.D. Hole Results.

ALONG H.G. ZONE ALONG DRIFT (124" length)

BLACKDOME DEPOSIT

DATE: Nov/81
CALCULATION BY: D. Lamp
REVISED:

ZONE / EGMENT	m STRIKE Length	m Thick-ness	m² L × W			GRADE Au+Ag/45 gm/tonne			GR. × W × L m² gm/tonne	WT. AV. GR. Au+Ag/45 gm/TONNE
DD 4 #13	26.2	2.76	72.312			47.82			3457.96	
#38		4.09	73.21			8.501				
#57	17.9	2.47	44.21			3.293				
	Av.	3.28 ~~3.265~~	58.71			6.5~~7~~4			383.96 ~~385.79~~	
#37	33.55	1.5	50.325			1.162			58.48	
#9	7.1	1.5	10.65			23.668			252.06	
#39	39.25	2.46	96.56			4.366			421.56	
	124.0	11.485 ~~2.327~~ ~~2.24~~	288.56						4573.79 ~~4.02~~	15.8~~7~~5 gm/tonne

15.8~~7~~5 × .0291667 = .46~~3~~2 oz/ton

Comparison of DDH grade & drifting grade & widths & Tons/VF

Drifting grade is $\frac{1.3\cancel{4}0}{0.46\cancel{3}2}$ = 2.8~~9~~1 × D.D.H. GRADE

or $\frac{1.3\cancel{4}0 - 0.46\cancel{3}2}{0.46\cancel{3}2} \times 100$ = 189.42% (181.39) upgrading of D.D. Grade.

D.D.H Wt. Av. WIDTH is ~~2.29~~ 2.33 m or ~~7.5~~ 7.63 ft

Drifting " " " " 1.866 (2.8) or ~~6.12~~ 6 ft

Tons VF⁻¹ based on D.D.H's ~~7.5~~ 7.63 ft × (124.0 m × 3.2808 ft/m) × 1 / 12.31 ft³ = ~~247.86~~ 252.16 tons/vert ft

Tonnage: (1) ABOVE DRIFT WITH AVERAGE BACK OF 30 m

~~247.86~~ 252.16 × (30 × 3.28) = ~~24389.424~~ 24,812 TONS

(2) BELOW DRIFT

~~247.86~~ 252.16 × (16 × 3.28) = ~~13007.69~~ 13,233.39 TONS

(3) TOTAL ~~37396.9~~ 38,045 TONS

Add 10% to tonnage to adj for dip length

MINERAL RESERVE ALONG H.G. ZONE IN DRIFT

BASED ON D.D.H. INTERSECTIONS

DATE :
CALCULATION BY:
REVISED:

DEPOSIT

ZONE SEGMENT	Length	Thick-ness										
Dilution			30% Dilution, material grading 3 gms/tonne or 0.0875 oz/ton									
			① Above Drift Back Tonnage			=	24389 × 1.3	=	31706 (3,256 TONS)			
			DILUTED GRADE				24389 × .463	=	11292 (11,463 TONS × oz)			
							7317 × 0.0875	=	640			
									11932 (12,114)	÷	31,706 (32,256)	= .38 oz/T (0.376 oz/T)
			② Below Drift Back Tonnage			=	13008 × 1.3	=	16910 (17,203 T)			
							13008 × .463	=	6023 (6,114 TONS × oz)			
							3902 × .0875	=	341 (347)			
									6364 (6,461)	÷	16,910 (17,203)	= .38 oz/T (0.376 oz/T)
			③ Total Above & Below Drift						48616 tons (49,459)			

Add 10% to tonnages to adj for dip length

102,131 / 3.01

75.1

97.31

MINERAL RESERVE

NORTH END OF DRIFT FROM 51.85 m N TO 145.5 m N

DATE: 8/XII/81
CALCULATION BY: P. Haillet
REVISED: F. Chow

DEPOSIT BLACK DOME

ZONE SEGMENT	Length	Thick-ness	AREA m²		WT. AV. gm/Tonne GRADE				L x W x G	Tonne/VERT. Mtre			
51.85 m N – 145.5 N	93.65	1.74	163.34		5.75	TOTAL INCL.	LENGTH GRADES	OF DR. < 5 g/t	939.576	467.47			93.65 x 1.74 x 2.6 / 0.9063 = 467.47
													Dip = 65°, sine of Dip = 0.9063
													S.G. = 2.6
			TONNAGE — UNCUT,			total	drift length	incl. grades < 5 g/t					
					①	ABOVE	DRIFT	WITH	AVERAGE	BACKS OF	18.8 M.		
						Tonne/V.M.	BACKS						
						467.47	x 18.8	= 8788	tonnes				
					②	BELOW	DRIFT						
						467.47	x 19	= 8882	tonnes				
					③	TOTAL	OF ABOVE	AND BELOW	DRIFT				
								17,670	tonnes		5.75 gm/t		OR 0.17 oz/T
TOTAL DRIFT LENGTH & INCL. GRADES OF < 5 gm/t.			TONNAGE	WITH	30%	DILUTION	WITH	MATERIAL	GRADING	3.0 gm/Tonne.			
					①	ABOVE	DRIFT						
						8788	x 5.75	=	50,531				
					⅓ x 8788 =	2637.4	x 3.0 gm	=	7,912.2				
						11,425.4			58,443.2	tonnes	5.12 gm/t		
					②	BELOW	DRIFT						
						8882	x 5.75	=	51,071.5				
					⅓ 8882 =	2664.6	x 3.0	=	7,994		5.12 gm/t		
						11,546.6			59,065.5	tonnes			
						TOTAL	ABOVE	AND	BELOW	DRIFT			
									22,972	tonnes	5.12 gm/t		OR 0.15 oz/T
			MINEABLE RESERVES			OF	NORTH	END	OF NORTH	DRIFT –	grades > 5 g/t	Au + Ag/45	
FROM - TO	m LENGTH	m THICKNESS	m² AREA		g/t GRADE				L x W x G				
Ⓐ 62.9 N - 86.5 N	23.6	2.36	55.78		6.45				359.58				
Ⓑ 133.1 N - 142.9 N	9.80	1.54	15.10		8.22				124.14				
			TONNAGE -		UNCUT	Ⓐ							
					①	ABOVE	DRIFT						
			Tonne/V.M		BACKS (m)	Tonne	gm/tonne GRADE						
			160.02	x	20.0 =	3200.4	6.45						

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness					
						(A)	
					(2)	BELOW DRIFT	
			tonne/V.M		BACK	tonne	gm/tonne GRADE
			160.02	×	21.5 =	3440.4	6.45
						TOTAL OF ABOVE AND BELOW DRIFT OF (A)	
						tonne	GRADE
						6640.83	6.45
						ABOVE DRIFT OF (B)	
			tonne/V.M		BACK	tonne	GRADE
			35.58	×	15	534	8.22
						BELOW DRIFT OF (B)	
			35.58	×	22	782.76	8.22
						TOTAL OF ABOVE AND BELOW DRIFT OF (B)	
						1316.76 t	8.22 gm/t
						TOTAL OF ABOVE DRIFT OF (A) + (B)	
						3734.4	6.70
						TOTAL OF BELOW DRIFT OF (A) + (B)	
						4223.16	6.70
						TOTAL OF ABOVE AND BELOW OF (A) + (B)	
						7956.56	6.70
			TONNAGE WITH 30%			DILUTION WITH MATERIAL GRADING 3.0 gm/tonne.	
						ABOVE DRIFT OF (A) AND (B)	
					(A) 1/3 3200.4	3200.4 × 6.45 = 20,642.6	
						960.12 × 3.00 = 2,880.4	
						23,523	4160.5 tonnes 5.65 gm/t
					(B) 1/3 534.0	534.0 × 8.22 = 4389.5	
						160.2 × 3.00 = 480.6	
						4870.1	694.2 tonnes 7.01 gm/t
						BELOW DRIFT OF (A) AND (B)	
					(A) 1/3 3440.4	3440.4 × 6.45 = 22,190.6	
						1032.1 × 3.0 = 3096.3	
						25,286.9	4472.2 tonnes 5.65 gm/t
					(B) 1/3 782.8	782.8 × 8.22 = 6434.6	
						234.8 × 3.0 = 704.4	
						7139.0	1017.6 tonnes 7.01 gm/t
						TOTAL OF ABOVE DRIFT OF (A) + (B)	
						28,393.1	4854.7 t 5.85 gm/t
						TOTAL OF BELOW DRIFT OF (A) + (B)	
						32,425.9	5489.8 t 5.91 gm/t
						TOTAL OF ABOVE AND BELOW DRIFT OF (A) + (B)	
						60,819	10,344.5 t 5.9 gm/t OR 0.17 oz/T

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness											
			TONNAGE	OF	ABOVE	AND BELOW		NORTH	END DRIFT	LESS	MINEABLE	RESERVES	
			m² AREA		m² gm/t L x W x G								
LESS 52 - 59 N	(A)		55.78		359.58								
LESS 88 - 93 N	(B)		15.10		124.14								
			92.46		455.9	—	4.93 g/tonnes						

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE FACE SEGMENT	m Length	m Thick-ness	m² AREA		m×m×gm/tonne L×W×G.	WT. AV. GRADE gm/tonne Au + Ag/45				
Δ11 +51.8m N 33	2.65	1.5	3.98		10.57	2.66				
34	2.60	1.5	3.90		11.54	2.96				
36	1.45	1.5	2.17		5.74	2.64				
37	1.05	1.5	1.575		6.50	4.13				
38	1.40	1.5	2.10		7.056	3.36				
39	1.55	1.5	2.325		5.42	2.33				
40	1.45	1.5	2.175		6.21	2.67				
41	1.55	1.7	2.635		7.90	3.00				
42	1.45	1.5	2.175		18.75	8.62				
43	1.60	1.5	2.40		9.53	3.97				
44	1.65	1.5	2.475		28.04	11.33				
45	1.80	1.5	2.70		8.721	3.23		— NOT USED IN CALCULATIONS.		
46	1.35	1.5	2.025		4.005	2.67		FROM 40 to 51 –	LENGTH	
47	1.45	2.8	4.06		12.59	3.10			18.25	
48	1.75	1.5	2.625		6.825	2.60				
49	1.60	2.5	4.00		10.00	2.5				
50	1.80	2.0	3.60		12.6	3.5			LENGTH	
51	0.80	1.5	1.20		3.07	2.56			18.25	
52 - 59	23.6	2.36	55.78		359.58	6.45				
60	2.10	1.5	3.15		12.85	4.08				
61	1.8	1.5	2.70		8.91	3.30				
62	1.5	1.5	2.25		8.37	3.72				
63	1.45	1.5	2.175		5.33	2.45				
64	1.55	1.5	2.325		10.07	4.33				
65	1.75	1.7	2.975		11.60	3.90				
66	1.65	2.0	3.30		23.76	7.20				
67	1.65	1.5	2.475		10.15	4.10				
68	2.00	1.5	3.00		12.30	4.10				
69	1.55	1.5	2.325		8.67	3.73				
70	1.30	1.5	1.95		12.99	6.66				
71	1.35	1.5	2.025		7.99	3.95				
72	1.30	1.5	1.95		6.83	3.5				
73	1.65	1.5	2.475		8.91	3.60				
74	2.0	1.7	3.4		13.60	4.00				
75	1.7	1.5	2.55		10.28	4.03				
33 to 39 + 52 to 75	60.6		112.855		579.016					

MINERAL RESERVE

DATE :
CALCULATION BY:
REVISED:

DEPOSIT

ZONE FACE SEGMENT	m Length	m Thick-ness	m² AREA		m x m x gm/tonne L x W x G		WT. AV. GRADE gm/tonne Au + Ag/45	
76	1.7	1.5	2.55		12.49		4.90	
77	1.7	1.6	2.72		79.42		29.20	
78	1.7	1.5	2.55		50.82		19.93	
79	1.6	1.5	2.40		11.33		4.72	
80	1.35	1.5	2.025		5.87		2.90	
81	1.65	1.5	2.475		8.811		3.56	
82	1.95	1.5	2.925		9.42		3.22	
83	1.85	1.5	2.775		8.32		3.00	
84	2.00	1.5	3.00		9.84		3.28	
85	1.80	1.5	2.70		9.07		3.36	
86	1.60	1.5	2.40		6.86		2.86	
87	1.65	1.5	2.475		11.19		4.52	
88 - 93	9.80	1.54	15.10		124.14		8.22	
94	1.85	1.5	2.775		7.49		2.70	
Δ11 + 145.5 m N 95	0.85	1.9	1.615		5.49		3.40	
76 to 95	33.05		50.485		360.56			
33 to 95	93.65	1.74	163.34		939.576		5.75	

MINERAL RESERVE

NORTH END OF DRIFT FROM 51.85 M TO 145.5 M

DATE :
CALCULATION BY:
REVISED:

DEPOSIT

ZONE SEGMENT	Length	Thick-ness	m² AREA		WT. AV. gm/Tonne GRADE				m² gm/t L x W + G	÷ by 0.9063 for dip length TON/VERT. FT.	Av. Dip = 65° 5.6:2.6 tonne/V. Meter			GRADE gm/Tonne x .0291667 = oz/TON
51.85 m To 145.5 m	93.65 m	1.74 m	163.34		5.75				939.576	157.64 ~~142.53~~	467.47			0.17 oz/TON
														UNCUT
			TONNAGE		①	ABOVE DRIFT WITH AVERAGE BACKS OF 18.8 M								
						157.64 ~~142.53~~	(18.8	x 3.28)	= 9720.53 ~~8788.97~~	TONS (9720.53 x 0.907184		= 8818	tonnes)	
					OR	467.47	x 18.8		= (8788	tonne				
					②	BELOW DRIFT								
						157.64 ~~142.53~~	(19.0 x	3.28)	= 9824 ~~8882.47~~	TONS				
					OR	467.47	x 19		= 8882	tonnes				
					③	TOTAL								
									19,544 17,671.44	TONS	.17 oz/TON			
								OR	17,670.	tonnes				
			TONNAGE WITH DILUTION											
						30 % DILUTION WITH MATERIAL GRADING						3.0	gm/tonne	
												OR	.0875 oz/tonne	
					①	ABOVE DRIFT								
						9720.5 x	.17	=	1652.5					
						2916 x	.0875	=	255.2					
					(1.1 x				x1.1 →	0.15 oz/	TON			
					②	BELOW DRIFT								
						8883 x	.17	=	1510.11					
						2665 x	.0875	=	233.2					
					1.1 x	11,548			1743.3 gm	x1.1 →	0.15 oz/	TON		
					③	TOTAL								
								(1.1 x	22,974)	TONS —	.15 oz/TON			
			MINEABLE RESERVES OF NORTH END OF NORTH DRIFT											
FROM - TO	LENGTH	THICKNESS	M² AREA		GRADE									
62.9 N - 86.50 N	23.6 m	2.36 m	(55.78) m²		6.45 gm/tonne						160.02			0.19 oz/TON
OR	77.41 ft	7.74 ft	599.75 ft²							~~48.71~~ 53.25				
133.1 N - 142.9 N	9.80 m	1.54 m	(15.10) m²		8.22						35.58			0.24 oz/TON
OR	32.14 ft	5.05 ft	162.31 ft²							13.20 14.56				
ABOVE DRIFT BACK			TONS/V.FT		AV. BACKS		TONS		GRADE oz/TON					
62.9 N - 86.5 N			48.71 x 1.1		20 x 3.28		3195 x 1.1		0.19					
133.1 - 142.9 N			13.20 x 1.1		15 x 3.28		649 x 1.1		0.24					
62.9 N - 86.5 N			160.02 g/V.M		20 m		3200 t		6.45 gm/tonne					
133.1 N - 142.9 N			35.58 g/V.M.		15 m		534 t.		8.22 gm/t.		Av. 6.70 gm/t			
BELOW DRIFT FLOOR			TONS/V.FT		AV. BACKS		TONS		GRADE oz/TON					
62.9 N - 86.5 N			48.71 x 1.1		21.5 x 3.28		(3435.03 x 1.1)		0.19					
133.1 - 142.9 N			13.20 x 1.1		22 x 3.28		(952.51 x 1.1)		0.24					
					T =		6630.4 x 1.1							
					T =		1601.9 x 1.1							
						TOTAL								
62.9 N - 86.50 N						ABOVE + BELOW		1.1 x	6630.41	TONS @ 0.19 oz/T		(6636	tonnes)	
133.1 N - 142.9 N								1.1 x	1601.95	TONS @ 0.24 oz/T		(1603	tonnes)	
			TONNAGE WITH 30% DILUTION											
62.9 N - 86.5 N					①	ABOVE DRIFT								
						3195.4 x	0.19	=	607.13					
						957 x	.0875	=	83.74					
						4152.4			690.87	→	0.16			
					②	BELOW DRIFT								
						3435.0	x 0.19	=	652.65					
						1030.5	x .0875	=	50.17	→	0.16			
						4465.5			702.82					
					③	TOTAL								
62.9 N - 86.5 N						8617.9	TONS		1393.69	TONS	0.16 oz/TON			

to be adjusted

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness	m² AREA		WT. Av. gm/Tonne GRADE				L x W + G	TON/VERT. FT		
FROM - TO												
			TONNAGE WITH 30% DILUTION									
					①	ABOVE DRIFT						
133.1M - 142.9M						649.44	x .24 =		155.86			
						194.8	x .0875 =		17.04	→	0.20 oz/TON	
						844.24			172.91			
					②	BELOW DRIFT						
						952.51	x .24 =		228.6			
						285.7	x .0875 =		24.99	→	0.20 oz/TON	
						1238.2			253.60			
					③	TOTAL						
						2082.44			426.51		0.20 oz/TON	
			TONNAGE - TOTAL OF TWO MINEABLE RESERVES									
62.9 - 86.5N			6630.4									
133.1 - 142.9N			1601.9									
			8232.3		→	0.21 oz/T						
			TONNAGE WITH 30% DILUTION - TOTAL									
			TONS		L x W x G							
62.9 - 86.5N			8617.9		1393.69							
133.1 - 142.9N			2082.4		426.51							
			10,700.3		1820.2	→	0.17 oz/T					

REMAINING DRIFT TONNAGE & ASSAY

To be adjusted for stope dilution

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED :

ZONE FACE SEGMENT	m Length	m Thick-ness	m² AREA		m×m×g/tons L×W×G		WT. AV. GRADE g/tonne Au + Ag / 45	
76	1.7	1.5	2.55		12.49		4.90	
77	1.7	1.6	2.72		79.42		29.20	
78	1.7	1.5	2.55		50.82		19.93	
79	1.6	1.5	2.40		11.33		4.72	
80	1.35	1.5	2.025		5.87		2.90	
81	1.65	1.5	2.475		8.811		3.56	
82	1.95	1.5	2.925		9.42		3.22	
83	1.85	1.5	2.775		8.32		3.00	
84	2.00	1.5	3.00		9.84		3.28	
85	1.80	1.5	2.70		9.07		3.36	
86	1.60	1.5	2.40		6.86		2.86	
87	1.65	1.5	2.475		11.19		4.52	
88 - 93	9.80	1.54	15.10		124.14		8.22	
94	1.85	1.5	2.775		7.49		2.70	
95	0.85	1.9	1.615		5.49		3.40	
76 to 95	33.05		50.485		360.56			
33 to 95	93.65	1.74	163.34		939.576		5.75	
					455.86			
Less 52-59			55.78		359.58			
Less 88-93			15.10		124.14			
Balance of 33 to 95			92.46		455.855		4.93 gm/tonnes	
								483.72

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE FALE SEGMENT	m Length	m Thick-ness	m^2 AREA		m×m×gr/tonne L×W×G.		WT AV. GRADE gm/tonne Au + Ag/45				
33	2.65	1.5	3.98		10.57		2.66				
34	2.60	1.5	3.90		11.54		2.96				
36	1.45	1.5	2.17		5.74		2.64				
37	1.05	1.5	1.575		6.50		4.13				
38	1.40	1.5	2.10		7.056		3.36				
39	1.55	1.5	2.325		5.42		2.33				
40	1.45	1.5	2.175		6.21		2.67				
41	1.55	1.7	2.635		7.90		3.00				
42	1.45	1.5	2.175		18.75		8.62				
43	1.60	1.5	2.40		9.53		3.97				
44	1.65	1.5	2.475		28.04		11.33				
45	1.80	1.5	2.70		8.721		3.23		— NOT USED IN CALCULATIONS.		
46	1.35	1.5	2.025		4.005		2.67		FROM 40	to 51 –	LENGTH
47	1.45	2.8	4.06		12.59		3.10				18.25
48	1.75	1.5	2.625		6.825		2.60				
49	1.60	2.5	4.00		10.00		2.5				
50	1.80	2.0	3.60		12.6		3.5			LENGTH	
51	0.80	1.5	1.20		3.07		2.56			18.25	
52 - 59	23.6	2.36	55.78		359.58		6.45				
60	2.10	1.5	3.15		12.85		4.08				
61	1.8	1.5	2.70		8.91		3.30				
62	1.5	1.5	2.25		8.37		3.72				
63	1.45	1.5	2.175		5.33		2.45				
64	1.55	1.5	2.325		10.07		4.33				
65	1.75	1.7	2.975		11.60		3.90				
66	1.65	2.0	3.30		23.76		7.20				
67	1.65	1.5	2.475		10.15		4.10				
68	2.00	1.5	3.00		12.30		4.10				
69	1.55	1.5	2.325		8.67		3.73				
70	1.30	1.5	1.95		12.99		6.66				
71	1.35	1.5	2.025		7.99		3.95				
72	1.30	1.5	1.95		6.83		3.5				
73	1.65	1.5	2.475		8.91		3.60				
74	2.0	1.7	3.4		13.60		4.00				
75	1.7	1.5	2.55		10.28		4.03				
33 to 39 + 52 to 75	60.6		112.855		574.016						

CENTRAL HIGH GRADE ZONE **MINERAL RESERVE** - BASED ON DRIFT ASSAYS

ELIMINATING LOW GRADE SECTIONS > 3m LONG

BLACKDOME **DEPOSIT**

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	m Length	m Thick-ness	AREA m2	S.G.	TONNE ~~m³~~ T/FT	GRADE Au+ 110/75	GRADE gm/m³	6xLxW gm.m³/m.t.	m.t.	gm m.t.	+		REMARKS
51.8N → 38.15N	13.65	1.75	23.865				30.71	732.91					
38.15N → 32.95N	5.20						3.74						
32.95N → 24.3N	8.65	1.78	15.421				5.82	89.82					
24.3N → 13.75N	10.55	2.36	24.90				68.71	1710.82					
13.75N → 12.65N	1.10	1.50	1.65				3.1	5.12					
12.65N → 2.85N	9.80	1.50	14.7				7.24	106.45					
2.85N → 2.85S	5.70	2.15	12.255				164.32	2013.73					
2.85S → 4.9S	2.05	1.5	3.075				1.17	3.59					
4.9S → 12.20S	7.30	1.52	11.095				6.35	70.48					
12.20S → 21.10S	8.90						4.22						
21.10S → 33.90S	12.80	1.88	24.08				25.74	619.70					
33.90S → 40.25S	6.35						3.1						
40.25S → 47.80S	7.55	1.84	13.86				12.54	173.80					
47.80S → 56.25S	8.45	2.41	20.325				170.85	3472.59					
56.25S → 72.35S	16.10	1.93	31.105				31.94	993.37					
51.8N → 72.35S	103.70	1.89	196.33	2.6			50.9	9992.38					
			(2112.197 ft²)	12.3 ft³/ft	171.72 T/V.F.		(1.4846 g/ton)						

TONNAGE & GRADE : UNCUT ASSAYS & UNDILUTED RESERVES

①	ABOVE	DRIFT, BACKS	Av. (30 x 3.28) ft :	171.72 x 98.4 =	18,587 (16,897)T	@	1.48 g/T
②	BELOW	" , FLOOR	Av. (16 x 3.28) ft :	171.72 x 52.48 =	9,902 (9,002)T	@	1.48 g/T
① + ②	TOTAL	ABOVE & BELOW	DRIFT :		28,489 (25,899)T	@	1.48 g/T

TONNAGE & GRADE : UNCUT ASSAYS & DILUTED RESERVES (30% dilution @ 39 mm Frame or 0.0875 g/ton)

①	ABOVE	DRIFT ;	16,897T	@ 1.48 =	25,007.56 g
			5,069T	@ 0.0875 =	443.54 g
			(21,966)T	@ 1.1587 g/T	(25,451.10) g
			24,163		27,996.21
②	BELOW	DRIFT ;	9,002T	@ 1.48 g/T =	13,322.96 g
			2,701T	@ 0.0875 g/T =	236.30
			(11,703)T	@ 1.1587 g/T	(13,559.26) g
			12,873		14,915.19
① + ②	TOTAL	ABOVE & BELOW DRIFT	(33,669)T	@ 1.1586 g/T	(39,010.36) g
			37,036		42,911.4

Add 10% to tonnages to adj. for dip length. (figures in brackets are not adj. tons.)

UNCUT, DILUTED

MINERAL RESERVE

& BELOW THE 1960 m DRIFT FLOOR
ABOVE THE 1960 DRIFT BACK
BASED ON DRIFT ASSAYS

EXCLUDING < 5 gm/tonne Au + Ag/45, and > 3 m in length.

DATE :
CALCULATION BY:
REVISED:

BLACKDOME DEPOSIT, No. 1 VEIN

ZONE SEGMENT	m Length	m Thick-ness	Horiz. AREA m2	S.G. DIP	TONNE			Au + Ag/45 gm/m.t.	G x L x W m.t.	m.t.	gm m.t.	+		REMARKS
CENTRAL H.G.	103.7	1.89	196.33	2.6/65°	24,163			39.727 *	9992.38					1.1587 oz/TON
NORTH DR. N.	33.4	2.12	70.88	2.6/65°	3734			6.70	474.9					0.19 oz/TON
ABOVE DRIFT BACKS:			267.21		27,897		WT. AV.	39.17	10,467.28					
CENTRAL H.G.	103.7	1.89	196.33	2.6/65°	12,873			39.727	9992.38					

MINERAL RESERVE

SUMMARY - BASED ON DRIFT ASSAYS & KERR'S MINING WIDTHS

N TH END IN DRIFT - ENTIRE LENGTH of N. END

DATE :
CALCULATION BY:
REVISED: GRADE

DEPOSIT

ZONE SEGMENT	Length (m)	Thick-ness (m)	AREA (m^2)	TON/Vert ft (12')	wt AV GRADE (gm/tonne)	LxWxGr	gm/tonne x .029167 = oz/ton
145.6 N 51.8 N	93.8	2.03	190.60	166.5	6.15	1172.89	.180 oz/ton UNCUT
		6.66 ft					

TONNAGE

① ABOVE DRIFT WITH AVERAGE BACKS OF 18.8 m

166.5 (18.8 x 3.28) = 10270 TONS

② BELOW DRIFT

166.5 (19 x 3.28) = 10376 TONS

③ TOTAL 20646 TONS

With DILUTION

30% DILUTION / MATERIAL GRADING 3.0 gm/tonne or .0875 oz/ton

① ABOVE DRIFT = 10270 x 1.3 = 13351 TONS

10270 x .18 = 1848.6

3081 x .0875 = 269.59

13,351 2118.19 ÷ 13351 = .16 oz/ton

② BELOW DRIFT = 10376 x 1.3 = 13489 TONS

10376 x .18 1867.7

~~3219~~ 3113 x .0875 ~~281.6~~

~~2149.3~~ ÷ 13489 = .16 oz/ton

③ TOTAL DILUTED TONNAGE 26840 TONS .16 oz/ton

MINABLE RESERVES SUMMARY - based on Drift Assays.

	L					
m	~~33.95~~	~~3.00~~	~~102.31~~	~~101.85~~ BorneVM	~~7.04~~ gm/tonne	~~720.40~~ m^2 x gm/tonne
ft	~~111.28'~~	~~9.84'~~	~~1101.5~~	~~89.49~~ TVF	~~.205~~ oz/ton	~~225.8~~ ft^2 x oz/ton

TONNAGE

① ABOVE DRIFT WITH AVERAGE BACKS OF

~~89.5~~ (17.2 x 3.28) = ~~5049.23~~ TONS
Ton/ft

② BELOW DRIFT

~~89.5~~ (22 x 3.28) = ~~6458.8~~ TONS

③ TOTAL ~~11507.6~~ TONS

Add 10% to tonnage to adj. for dip length

OVER

MINABLE RESERVES WITH DILUTION

30% DILUTION / MATERIAL GRADING .3 gm/tonne

or .0875 oz/ton

(1) ABOVE DRIFT

5049 x 1.3 = 6564 TONS

5049 x .205 1035

1515 x .0875 132.6

1167.6 ÷ 6564 = .178 oz/ton

(2) BELOW DRIFT

6458 x 1.3 = 8395 TONS @ .178 oz/ton

(3) TOTAL WITH DILUTION

14959 TONS @ .178 oz/ton

MINERAL RESERVE SUMMARY - BASED ON DRIFT ASSAYS AND KERRS MINING WIDTHS (6)

H.G. ZONE IN DRIFT. - UNCUT ASSAYS

DATE :
CALCULATION BY:
REVISED:

DEPOSIT

ZONE / SEGMENT	Length m	Thick-ness m	TOTAL AREA m2	S.G.	TONNE m³ ft³	WT AV GRADE - gm/m.t.	L x W x Gr m.t.	m.t.	gm m.t.	+		REMARKS gm/tonne x .0291667
51.8 N → 72.2 S. 72.35	124.15 ~~124.0~~	1.828 ~~1.866~~	226,996 ~~231.341~~		(~~202.34~~ T/ft.) 198.546 502	44.526 ~~45.99~~	10,107.304 ~~10639.655~~					1.3 ~~1.34~~ g/ton UNCUT GRADE

(1)

TONNAGE : ABOVE DRIFT WITH AVERAGE BACKS OF 30 m

ALONG H.G. ZONE 198.50 T/ft. ~~202.34~~ × (30 m back × 3.28 ft) = 19,532 ~~19,910~~ TONS TOTAL

(2) BELOW DRIFT WITH AV. FLOOR OF 16 m

198.50 ~~202.34~~ × (16 × 3.28) = 10,417 ~~10,621~~ TONS TOTAL

(1+2) TOTAL TONS ABOVE & BELOW DRIFT ALONG H.G. ZONE = 29,949 ~~30,530~~ TONS

Adj

TONNAGE & GRADE WITH DILUTION :

30% DILUTION, MATERIAL GRADING 3 gm/tonne or 0.0875 oz/TON

Therefore (1) ABOVE DRIFTBACK, DILUTE TONNAGE = 19,532 ~~19,910~~ × 1.3 = 25,392 ~~25,883~~ TONS above drift back

DILUTED GRADE : = { 19,532 ~~19,910~~ × 1.3 ~~1.34~~ = 25,392 ~~26,677~~ T × .03 ; plus 5859.6 ~~5973~~ × 0.0875 = 512.72 ~~522.6~~ } 25,904.72 ~~27,201.6~~ ÷ 25,392 ~~25,883~~ = 1.02 oz/T

(2) BELOW DRIFT FLOOR, DILUTED TONNAGE = 10,417 ~~10,621~~ × 1.3 = 13,542 T ~~13,807~~

DILUTED GRAD : = 10,417 × 1.3 = 13,542. ; 3,125.1 × 0.0875 = 273.446 ; 13,815.446 ÷ 13,542. = 1.02 oz/TON of 1.02 oz/T

(3) TOTAL TONNAGE ABOVE + BELOW DRIFT, DILUTED 15 ~~39,690~~ TONS 38,934 TONS

Add 10% to tonnages to adj. for dip length.

MINERAL RESERVE CALCULATIONS

ASSAYS BASED ON ATOMIC ABSORPTION RESULTS AND FIRE ASSAY RESULTS USED WHEN A.A. NOT AVAILABLE.

Red corrections have not been carried forward, yet

SECTION

DATE :
CALCULATION BY:
REVISED:

BLACK DOME DEPOSIT

ZONE SEGMENT	STRIKE ~~DIP~~ Length	Thick-ness	AREA m2	S.G.	TONNE / m	GRADE Au gm/mt	WIDTH X GRADE mgm/mt	FACE WEIGHTED AV. GRADE Au+Ag gm/mt	TONNE ~~X~~ m.t.	LXWXS m.t.	BLOCK WEIGHTED AV. GRADE (Au+Ag) Ag gm m.t.	+ AV	GRADE / TO THE STRIKE	REMARKS
Δ11 4 51.8N → 50.25	1.55	0.4				4.8	1.92							
		0.9				8.7	7.83							~~6.81 / 1.55 W / 1.55 m~~
		0.2				2.3	0.46							
51.8N → 50.25N	1.55	1.50	2.325				10.21	6.81		15.83	6.81			
50.25N → 48.2N	2.05	1.0				102.9	102.9							
		0.5				2.6	1.3							
	2.05	1.5	3.075				104.2	69.47		213.62				~~62.89~~ / 4.75 L
48.2 → 45.5	2.7	1.1				109.8	120.78							
		1.1				6.0	6.60							
	2.7	2.2	5.94				127.38	57.9		343.93				
50.25N → 45.50N	4.75	1.9	9.015							557.55	61.85 ~~62.84~~			
45.5 → 43.3	2.2	1.0				4.0	4.0							
		0.6				5.1	3.06							
	2.2	1.6	3.52				7.06	4.41		15.52				
43.3 → 41.5	1.8	0.7				4.7	3.29							
		0.8				3.9	3.12							
	1.8	1.50	2.7				6.41	4.27		11.53				
45.5 → 41.5	4.0	1.555 Av.	6.22							27.05	4.35			
41.5 → 39.75	1.75	1.4 ~~.4~~				39.3	55.02 ~~15.72~~							
		~~0.1~~				3.5	0.35 ~~3.35~~	36.91						
	1.75	1.5	2.625				19.57 55.37	~~13.05~~		96.89 ~~34.26~~	36.91 ~~13.05~~			13.05
39.75 → 38.15	1.6	1				13.4	13.4							
		1.3				6.8	8.84							
	1.6	2.3	3.68				22.24	9.67		35.59				
51.8 → 38.15	13.65	1.75	23.865							732.91	30.71			
41.5 → 38.15	3.35										11.43			
45.5 → 38.15	7.35										7.57			
38.15 → 36.40	1.75	0.8 ~~1.5~~	~~2.625~~			2.4	1.92 ~~3.6~~	~~2.4~~						
		0.7				2.6	1.82							
		1.5	2.625				3.74	2.49		6.536				
36.40 → 34.55	1.85	1.3				5.6	7.28							
	1.75	0.2	~~2.775~~			2.3	0.46							
	1.85	1.5	2.775				7.74	5.16		14.32				
34.55 → 32.95	1.60	1				4.0	4.0							
		.5				2.3	1.15							
		1.5	2.4				5.15	3.433		8.24				
38.15 → 32.95	5.2	1.5 Av	7.790							29.096	3.735			
		1.4				7.76	10.86							
32.95 → 31.45	1.5	.1				3.3	.33	7.46						
	1.5	1.5	2.25				11.19	~~7.44~~	11.19 ~~10.864~~	16.785 ~~16.29~~			~~5.72~~	
31.45N → 29.7N	1.75	1.2				6.8	8.16							
		.3				4.1	1.23							
	1.75	1.5	2.625				9.39	6.26	10.955	16.43	~~731.86~~ from Δ+51.8N			

Sub grade

MINERAL RESERVE CALCULATIONS

SECTION

BLACKDOME DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	DIP Length	Thick-ness	AREA m2	S.G.	TONNE/m	GRADE gm/tonne	THICKNESS x GRADE gm/tonne x m	Ag gm/m2	TONNE x GRADE m.t.	L x W x GR m.t.	Ag gm m.t.	+ AV	GRADE/TOTAL STRIKE	REMARKS
29.7 → 28.05	1.65	2.4	3.96			6.7	16.08	6.7	11.055	26.53				
28.05 26.45	1.60	2.1	3.36			5.4	11.34	5.4	18.64	18.14			5.72	CONT'D
26.45 → 24.3	2.15	1.5	3.226			3.7		3.7	7.955	11.93				
32.95 → 24.3	8.65	1.78	15.421							89.018 ~~84.54~~	5.792			
24.30 → 22.55	1.75 ~~1.65~~	1.6	2.64			9.04		9.04	14.916	23.87				
22.55 → 21.35	1.20	1.4				353.22	494.5							
		.7				28.13	19.69							
		~~.5~~				~~156~~	~~78.0~~							
	1.20	~~2.6~~ 2.1	~~4.32~~ 2.52				~~592.19~~ 514.19	~~164.50~~ ~~164.50~~ 244.85		~~710.64~~ 617.02				
21.35 → 19.80	1.55	1.4				6.2	8.68							
		.8				25.9	20.72							~~67.55~~
"	1.55	~~3.2~~ 2.2	~~4.96~~ 3.41				~~3940~~ 28.40	~~12.31~~ 13.36	~~19.08~~	~~61.06~~ 45.56				
19.80 → 17.75	2.05	2.4				45.0	108.0							
		0.2				20.2	4.04							
"	2.05	2.6	5.33				112.04	43.09	88.34	229.67				
17.75 → 16.25	1.5	1.2				21.5	25.8							
		2.5				104.6	261.5							
		0.3				29.1	8.73							
	1.5	4.0	6.0				296.03	74.01	111.012	444.06				
16.25 → 15.05"	1.2	2.0	2.4			23.9	47.8	23.9		57.36				
15.05 → 13.75"	1.3	2.0	2.6			112.8	225.6	112.8		293.28				
~~16.25 → 13.75~~	~~2.5~~	~~2.0~~	~~5.0~~			~~112.8~~	~~225.6~~	~~112.8~~		~~567.00~~				
24.3" → 13.75"	10.55	2.36	24.9							1710.82	68.708			
										~~712.746~~				
13.75 → 12.65	1.10	.5				3.9	1.95							
		1.0				2.7	2.70							
	1.10	1.5	1.65				4.65	3.1	3.41	5.12	SUB 3.1	GRADE		
12.65" → 11.4"	1.25	1.5	1.875			8.7	13.05			16.31				
								18.7	10.88	~~20.4~~				
11.4 → 9.6	1.8	1.2				5.5	6.60							
		.3				3.4	1.02							
	1.8	1.5	2.70				7.62	5.08	9.14	13.72				
9.6 → 7.8	1.8	0.6				7.8	4.68							7.24
		0.9				2.6	2.34							
	1.8	1.5	2.70				7.02	4.68	9.43	12.636 ~~22.72~~				
7.80" → 5.55"	2.25	1.2				12.9	15.48							
		0.3				2.7	.81							
	2.25	1.5	3.375				16.29	10.86	24.44	36.65				
		~~3.5~~	~~81.096~~ ~~91.231~~							~~2188.51~~				

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	STRIKE Length	Thick-ness	AREA m2	S.G.	TONNE/m	GRADE	THICKNESS X GRADE	WEIGHTED AV. GRADE gm/m2	m.t.	LxW+G m²gm/m.t.	WT. AV. GRADE gm/m.t.	+	2U GRADE	REMARKS HOTAG STRIKE
5.55 → 2.85	2.70	1.0				8.6	8.60							
		.5				2.9	1.45							? 7.24 cont'd.
	2.70	1.5	4.05				10.05	6.7		27.135				
9.80 12.65N → 2.85N	9.80	1.5	14.7							106.451 ~~120.605~~	7.24			
2.85N → 0	2.85	.8				40.9	32.72							
		1.0				614.5	614.5							
		1.0				28.6	28.6							
	2.85	2.8	7.98				675.82	241.36		1926.05				? ~~129.266~~
0 → 2.85S	2.85	1.0				24.3	24.30							
		.5				2.9	1.45			87.64				
	2.85	1.5	4.275				25.75	20.5 ~~17.157~~		73.39				
2.85N → 2.85S	5.7	2.15	12.255							2013.73	164.32			
12.65N → 2.85S	15.50													
2.85S 4.9S →	2.05	1.0				1.7	1.70							
		.5				.1	.05				SUB	GRADE		
	2.05	1.5	3.075				1.75	1.167		3.58	1.17			
4.9S → 6.5S	1.6	.7				22.4	15.68							
		.8				0.4	0.32			25.61 ~~40.96~~				
	1.6	1.5	2.4				16.00	10.67						
6.5 → 7.8	1.3	.7				4.2	2.94							
		.8				2.5	2.00							
	1.3	1.5	1.95				4.94	3.293		6.42				? 6.396
7.80 → 9.25	1.45	1.6	2.32			6.8		6.8		15.776				
9.25 → 10.75	1.5	1.3				3.1	4.03							
		.2				2.5	.50							
	1.5	1.5	2.25				4.53	3.02		6.795				
10.75S → 12.20S	1.45	1.5	2.175			7.3		7.3		15.8775				
4.9S → 12.20S	7.3	1.52	11.095							70.479	6.35			
32.95N → 12.20S	45.15	1.84	65.30							4000.008				
12.20S → 13.9S	1.70	1.5	2.55			3.1		3.1		7.905				
13.9S → 15.25	1.35	.7				7.8	5.46							
		.8				4.9	3.92							
	1.35	1.5	2.025				9.38	6.25		12.66				
15.25 → 16.80	1.55	.4				5.7	2.28							
		.3				2.1	0.63							
		.8				1.9	1.52							
	1.55	1.5	2.325				4.43	2.95		6.887				
			~~35.425~~											
			~~1.95~~							~~2143.35~~				
			~~35620~~											
		19.4												

MINERAL RESERVE

(4)

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

wt Av thickness

ZONE SEGMENT	STRIKE Length	Thick-ness	AREA m2	S.G.	TONNE/m	GRADE	GRADE x THICKNESS	WEIGHTED AV GRADE gm/m.t.	GRADE x STRIKE LENGTH m.t.	W×L×G m.t.	WT. AV. G. gm/m.t.	+ Av. grade	REMARKS /TO THE STRIKE
16.80 → 18.90	2.10	1.0				8.9	8.90						
		.5				1.9	.95			20.68			
	2.1	1.5	3.15				9.85	6.567					
18.90 → 21.10	2.20	.7				2.7	1.89						
		.8				2.3	1.84						
	2.20	1.5	3.3				3.73	2.49 ~~1.87~~		8.206 ~~6.006~~			
12.26 S → 21.10 S	8.9	1.5	13.35							56.321	4.22		
21.10 S → 23.10 S	2.00	.9				30.2	27.18						
		.6				3.4	2.04						
	2.00	1.5	3.00				29.22	19.48		58.44			
23.10 → 25.60	2.50	1.5	3.750			2.7	4.05	2.7		10.125			~~8.85~~ ?
25.60 → 27.95	2.35	0.9				8.9	8.01						
		~~.8~~ 1.0				5.4	5.40 ~~3.24~~						
	2.35	1.9 ~~1.5~~	4.465 ~~3.375~~				13.41 ~~11.25~~	7.06 ~~7.5~~		31.51 ~~26.44~~			
21.10 S → 27.95 S	6.85	1.637	11.215					8.85		100.08	8.92		
27.95 → 29.15	1.20	2.8				48.3	135.24						
		.9				11.1	9.99						
	1.20	3.7	4.44				145.23	39.25		174.24			
29.15 → 30.45	1.30	2.5	3.25			76.1		76.1		247.325			
													~~35.52~~ ?
30.45 → 32.15	1.70	.9				30.1	27.09						
		.6				4.1	2.46			50.24 ~~47.28~~			
	1.70	1.5	2.55 ~~2.4~~				29.55	19.7					
32.15 S → 33.90 S	1.75	1.1				23.8	26.18						
		.4				2.8	1.12						
	1.75	1.5	2.625				27.30	18.2		47.775			
27.95 - 33.90 S	5.95	2.16	12.866							519.62	40.390		
21.10 → 33.90	12.8	1.88	24.08							619.70	25.735		
33.90 → 35.65	1.75	1.5	2.625			3.2		3.2		8.4			
35.65 → 37.35	1.70	1.5	2.55			3.5		3.5		8.925 ~~15.173~~			
37.35 → 40.25	2.90	1.0				3.2	3.2						
		.5				2.0	1.0						
	2.90	1.5	4.35				4.2	2.8		12.18			
33.90 S → 40.25	6.35	1.5	9.525							29.505	3.098		
40.25 → 42.85	2.60	1.8	4.68			7.7		7.7		36.036			5.33 ?
42.85 → 44.80	1.95	2.4	4.68			11.6		11.6		54.288			14.60 ?
		~~254~~											

MINERAL RESERVE

(5)

DATE :
CALCULATION BY:
REVISED:

DEPOSIT

ZONE SEGMENT	STR. Length	Thick-ness	AREA m2	S.G.	TONNE m	GRADE g/tonne	W x G m x g/tonne	WT. AV. G gm/m2	m.t.	L x W x G m.t.	WT. AV. Gr. gm m.t.	+ AU GRADE	HOTAL STRIKE	REMARKS
44.80 → 47.80	3.0	1.3				20.9	27.17							~~44.6~~ 1.0 ?
		.2				3.3	.66							
		1.5	4.5				27.83	18.55		83.475				
42.85 – 47.80	4.95	1.85	9.18							137.765	15.007			
40.25 – 47.80	7.55	1.836	13.86							173.801	12.54			
47.80 → 50.50	2.70	2.5	6.75			153.6	384.0	153.6		1036.8				
50.50 → 52.35	1.85	2.1 ~~2.7~~	3.885 ~~4.995~~			147.5	309.75 ~~398.25~~	147.5		573.04 ~~736.76~~				
52.35 → 54.75	2.40	1.2				20.1	24.12							
		1.2				37.9	45.48							203.67
		.7				155.4	108.78							?
	2.40	3.1	7.44				178.38	57.54		428.11				
54.75 → 56.25	1.50	0.6	0.9			1588.2	952.92							
		.9				3.9	3.51							
	1.5	1.5	2.25				956.43	637.62		1434.65				
47.80 → 56.25	~~8.45~~ 8.45	2.405	20.325				1020.36			3472.525	170.85			
56.25 58.25	2.00	.6				105.1	63.06							
		.9				2.8	2.52							
	2.00	1.5	3.00				65.58	43.72		131.16				
58.25 60.3	2.05	1.7				11.6	19.72							
		0.6				5.5	3.30							
	2.05	2.3	4.715				23.02	10.00		47.15				
60.30 61.75	1.45	.4				16.8	6.72							
		.8				18.7	14.96							47.953
		.3				2.6	0.78							
	1.45	1.5	2.175				22.46	14.973		32.57				
61.75 64.95	3.20	1.7	5.44			60.5	102.85	60.5		329.12				
64.95 67.15	2.20	1.5	3.3			28.3		28.3		93.39				
67.15 69.60	2.45	1.4				3.9	5.46							
		.1				2.6	.26							
	2.45	1.50	3.675				5.72	3.81		14.01				
69.60 → ~~73.20~~ 72.35	2.75 ~~3.60~~	1.8				65.8	118.44							
	2.75	1.4				5.24	7.34							
	~~3.60~~	3.2	8.8 ~~11.52~~				125.78	39.31		345.928 ~~456.74~~				
56.25 → 73.20	16.10 ~~16.95~~	1.93	31.105							993.368	31.936			
			59.76	Sub-T.						~~4819.905~~ Sub-T			SUB	
		1.1				2.2	2.42						GRADE	
	2.6	1.5	3.90				3.78	2.52	6.55	9.83				
		26	52.92							~~4829.753~~				
Total	236.4		63.66											

MINERAL RESERVE

RAISE ①A

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness		Thickness used for calculation		Au								
R 2	1.7	1.0		0.3	1.5	1.9		3.18						
		1.2		1.2		3.5								
R 3	2.6	0.5		0.5		6.3								387.4315
		0.5		0.5	1.5	12.0		7.13						
		0.8		0.5		3.1								
R 4	3.6	0.7		0.7		165.8		74.68						
		1.0		1.0	1.7	10.9								
R 5	2.35	0.7		0.5	1.5	1.1		3.03						
		1.0		1.0		4.0								
R6	1.5	0.6		0.6	1.2	28.6		61.95						17.9
		0.6		0.6		95.3								
R7	2.15	1.1		1.1	1.5	21.6		16.43		57.3 Au	17.9 M.			
		0.5		0.4		2.2								
R8	2.05	0.9		0.9	1.8	145.6		93.2						
		0.9		0.9		40.8								
R9	1.55	0.3		0.3		0.9								
		0.3		0.3	1.3	371.5		92.67		105.70 Au	5.7 M			
		0.7		0.7		12.5								
R10	2.10	0.3				0.7								
		0.7		0.4		1.1								
		0.3		0.3	1.5	271.9		127.53						
		0.8		0.8		136.6								
R11	2.55	0.4				0.8								
		0.8				1.5								
R12	2.2(?)	0.6				1.0								
		0.2				1.3								
		1.1				1.2								
S1	3.6(?)	0.7		0.7		3.2		46.1						
		0.7		0.7	1.4	89.0								
S2	5.3	1.0		0.3		1.9								
		0.3		0.3		30.5		58.10						
		0.4		0.4	1.5	186.9				68.94	10.9			
		0.5		0.5		5.3								
	5.6	1.9			1.9	79.2		79.2						
	1.9	2.1			2.1	4.56		4.56						
R 21	2.2	0.6		0.4		0.9				78.01 Au	21.95 M			21.95
		0.1		0.1	1.5	13.5		71.74						
		1.0		1.0		105.9								
R 22	1.85	0.5		0.5		493.1				114.23	4.05			
		0.7		0.7	1.5	0.7		164.75						
		0.1		0.1		0.9								
R 23	1.5	0.4		0.4	1.5	184.5		49.2						
R 24	1.5	0.5		0.5	1.2	5.4								
		0.6		0.6		0.3								

MINERAL RESERVE

RAISE ① B

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness												
?	5.6	0.2				298.6								
		0.3			0.9	11.0								
		0.4				2.5	79.2/1.9							
	5.6	0.3				63.0								
		0.3			1.0	83.0								
		0.4				68.5								
R 20 A	1.9	0.1				6.2								
		1.0				1.3								
B	1.9	0.2			2.1	5.3	4.56/2.1							
		0.3				17.0								
		0.5				3.0								

MINERAL RESERVE

RAISE (2)
60 - 1237 - (NOTE: LENGTH APPROX. GRAPHED)

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness												
R1	2.2	0.5				5.4								
		0.7				4.8								
		0.5		0.5		73.2								
		0.9		0.9	2.1	76.1		54.91						
		0.7		0.7		14.6			145.23	4.65M				
R2	2.45	1.0				389.5								
		1.0			3.4	109.8		226.34						
		0.7				6.7								
		0.7				379.4								
R3	2.6	1.6				3.0								
		0.8				3.9			23.05	2.6 M				
		1.2			2.4	11.5		23.05						
		1.2				34.6								
R4		0.3				1.9								
		1.4				2.9								
R5		0.3				1.2								
		0.9				1.5								
R6		1.2				2.6								
		0.8				2.5								
R7		0.8				2.1								
		0.9				3.2								
		3.0				2.2								
R8		1.4				2.2								
		0.6				2.9								
R9	2.05	0.7				2.5								
		1.0				2.8								
R10		1.0				1.4								
		0.5				3.5								
R11		1.8				1.4								
R12		0.6				1.7								
		0.4				2.1								
R13		0.6				1.2								
		1.2				2.9								
R14		0.6				3.8								
		1.0				2.7								
R15		0.8				1.9								
		1.1				2.6								

166-14

MINERAL RESERVE DILUTION GRADE + TONS

H.G. DRIFT SECTION + N. END IN DRIFT

DATE :
CALCULATION BY:
REVISED:

DEPOSIT

ZONE SEGMENT	Length	Thick-ness	AREA m2	S.G.	TONNE/m	GRADE OF WALLS		gm/m.t.	m.t.	m.t.	gm m.t.	+		REMARKS
					H.G.	2.3			18	4.1				3.2
						2.6				2.8				3.2
						3.3				3.1				3.2
						4.7				3.5				3.2
						3.9				2				3.7
						3.1				2.1				2.3
						4.9				4.2				2.6
						2.4				2.6				3.9
						2.3				4.8				4.2
						2.2				2.1				2.6
						3.3				4.9				3.4
						3.9				3.9				2.6
						4.3				2.8				2.7
						4.0				1.7				3.1
						3.7				2.1				3.1
						3.2				2.9				2.8
						1.6				2.9				4.4
						3.1				0.3				4.8
						2.8			2.73					3.0
						3.7								0.8
						2.5				QV. 2.97				3.1
						3.5								1.0
						2.7			N END	1.9				1.6
						3.0				2.7				3.4
						3.0				2.3				65.9
						2.7				2.9				
						4.0				3				138.9
						2.0				3				47
						4.6				3.8		QV		2.95
					29	2.9				3.3				
						1.0				2.9				
						1.1				3.3				
						2.5				2.4				
						3.0				3.6				
						2.5				3.47				
						2.4				2.9				
						1.8				4.1				
						2				3.4				
						1.9				3.6				
						2.3				3.6				
						3				3.0				
						2.35				3.5				
						3.6				3.6				
						3.8				3.53				
						4				3.2				
					16	4.1				73.00				
						2.8								

MINERAL RESERVE

(1)

BLACK DOME PROJECT

DEPOSIT

DATE: NOVEMBER, 1981
CALCULATION BY: P. HAILES
REVISED:

ZONE SEGMENT	Length	Thick-ness	DISTANCE FROM 0+00 POINT	W		GRADE	G×W	WT. AV. GRADE						
1S	2.85	1.0	0.00	0.5		2.9	1.45							
	?	1.0		1.0	1.5	29.3	29.30 ~~30.75~~	20.5						20.5/2.85?
		0.7				2.1								
		1.0				1.7								
1N	2.85	1.0	2.85			40.9								
		1.0			4.0	614.5		142.15						142.15/2.85
		1.0				22.6								
		1.0				4.6								
2	2.1 ✓	1.0	4.95	0.5		2.9								6.70/2.1
		1.0		1.0	1.5	8.6		6.7						
		0.5				0.1								
3	1.6 ✓	1.1	6.55			3.6								
		0.7		0.7	1.8	8.7		11.69						
		1.1		1.1		13.6								
4	1.25 ✓	0.8	7.80			5.6			11.32					
		0.5		0.3	1.5	2.7		10.86						11.32/2.85
		1.2		1.2		12.9								
		0.6				2.7								
5	1.80 ✓	0.6	9.60	0.6		7.8								
		2.6		2.6	7.9	2.6		4.24						4.24/1.80
		4.7		4.7		4.7								
		3.0				3.0								
6	1.80 ✓	1.2	11.40	1.2		5.5								
		0.5		0.3	1.5	3.4								5.53/1.80
		0.5				3.6		5.53						
		1.3				2.7								
		0.5				4.3								
7	1.25 ✓	—	12.65			~~112.8~~								
8	1.10 ✓	0.5	13.75			3.9								
		1.0				2.7								3.1/1.10
		1.0				2.7		3.1						
		0.5				2.8								
9	1.30	—	15.05			—								
11	1.55	2.0	16.25	2.0		23.9								23.9/1.55
		0.5			2.0	2.3		23.9						
		2.2				2.5								
		0.3				2.4								
12	1.50	1.2	17.75	1.2		21.5								41.55/1.85
		2.2		2.2	3.7	104.6		41.55						
		0.3		0.3		29.1								
		0.5				3.7								
13	2.05	2.4	20.50	2.4		45.0								31.73/3.6
		0.2		0.2	2.6	20.2		43.09						
		0.6				2.8			29.46	4.8				
14	1.55	1.4	22.05	1.4		6.2								
		0.8		0.8	2.2	25.9		13.36						
		0.6				3.1								

MINERAL RESERVE

(2)

DEPOSIT

DATE :
CALCULATION BY:
REVISED: GRADE / LENGTH

ZONE SEGMENT	Length	Thick-ness											
15	1.20	1.4	23.25	1.4	2.1	353.22							
		0.4		0.7		28.13	244.86						244.86/1.20
		0.5				1.56							
16	1.75	1.6	25.0			9.04							
		0.8			1.6	3.16	9.04						9.04/1.75
		0.4				3.57							
18	2.15 ✓	1.9	27.15			3.7							
		0.7			1.9	2.5	3.7						3.7/2.15
		0.7				3.1							
19	1.60 ✓	0.6	28.75			4.6							
		2.1			2.1	5.4	5.4						
		0.7				3.3							
20	1.65 ✓	0.3	30.4			4.2							
		2.4			2.4	6.7	6.7						
		0.9				4.4		6.44	6.50				6.44/6.50
21	1.75 ✓	1.0	32.15	0.3		4.1							
		1.2		1.2	1.5	6.8	6.26						
		0.9				3.7							
22	1.50 ✓	1.7	33.65	0.1	1.5	3.30	7.46						
		1.4		1.4		7.76							
23	1.60	0.9	35.25			2.4							
		1.1			1.5	2.1	3.43		SUB GRADE				3.43/
		1.0		1.0		4.0							
		0.7		0.5		2.3							
24	1.85	1.0	37.10			5.4							
		1.3		0.2	1.5	2.3	5.16						5.16/
		1.3		1.3		5.6							
25	1.75	0.7	38.85			2.3							
		2.1			3.5	2.4	2.42						
		0.7				2.6							
26 ✓	1.60	1.0	40.45	1.0		13.4							
		1.3		1.3	2.3	6.8	11.2	(9.67)					11.2/1.60
		1.0				4.9							
27	1.4	1.0	40.45			3.1							
		1.4		1.4	1.5	39.3	36.91						36.91/1.40
		1.1	41.85	0.1		3.5							
28	1.8 ✓	0.7		0.7	1.5	4.7	4.27						4.27/
		2.7	43.65	0.8		3.9							
29	2.2 ✓	0.9	43.65	0.9		4.7							
		1.0		1.0	1.6	4.0		4.34					
		0.6		0.6		5.1	4.41						4.34/4.0
		1.2				2.3							
		0.6	45.5			3.4							

Note: From #30 to #74 → AA.

MINERAL RESERVE

13.7

3

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Width Thick-ness	FROM-TO	THICKNESS USED	TOTAL THICK.	Au/gm/t	Weighted Ave.	Au gm/m²	L x W m.t.	L x W x Au m.t.	Au/gm/m.t.	+		REMARKS TOTAL LENGTH
30	2.7 ✓	0.3	45.5 m			3.9								
"		1.1			2.2	109.8		57.9						
"		1.1	48.2			6.0					62.89			4.75 M
31	2.05 ✓	1.0	48.2	1.0	1.5	102.9		69.47						(45.5 to 50.25)
"		1.3		0.5		2.6								
"		0.7	50.25			5.2		3.64						
32	1.6	0.4	50.25	0.4		4.8								
"	1.55	0.9		0.9	1.5	8.7					6.81			1.60
"		1.5	51.85	0.2		2.3								(50.25 to 51.85)
33 (33)	2.65	0.3	51.85	0.3		3.5	1.05							
"		1.1		1.1	1.5	2.5	.75	2.66	3.98	~~11.17~~ 10.57				
"		1.0		0.1		1.9	.43							
"		0.6	54.5			3.1	1.86 / 4.09							
34	2.6	0.9		0.4		2.7	1.08							
"		0.7		0.7	1.5	3.2	224	2.96 ✓	3.90	11.55				
"		0.4	57.1	0.4		2.8	1.12 / 4.44							
36	1.45	0.4		0.4		3.6	1.44							
"		1.4		1.1	1.5	2.3	2.53	2.64 ✓	2.175	5.74				
"		1.0	58.55	0.5		2.1	3.97							
37	1.05	0.5		0.5		6.6	3.3							
"		3.0		1.0	1.5	2.9	2.9 / 6.2	4.01 / 4.13 ✓	1.575	6.50	2.88			13.7 M
"		1.0	59.6			2.3								(51.85 to 65.55)
38	1.40	0.5		0.5		4.1	2.05							
"		1.9		~~0.5~~ 1.0	1.5	3.0	3.00 / 5.05	3.36	2.10	7.07				
"		0.5	61.0	~~0.7~~		3.3								
39	~~1.55~~	2.1		0.5	~~1.5~~	1.8		2.33	2.85	6.64				
"	1.9	1.0	62.9	1.0		2.6			16.58	48.7				
40	1.45	0.9				2.1								
"		1.0		0.2	1.5	1.8	.36	2.67	2.175	5.81				
"		1.3	64.0	1.3		2.8	3.64 / 4.00							
41	1.55	1.7		1.5		3.0	4.5		2.635					
					1.7			3.00	~~2.325~~	7.90 ~~6.98~~				
"		1.4	65.55	1.4		2.7								
42	1.45	0.6		.6	1.5	17.5	10.5	8.62	2.175	18.75				(65.55 to 67.0)
"		1.7		.9	→	2.7	2.43 / 12.93				8.62 A			1.45
"		1.0	67.0			3.0								
43	1.60	1.0		1.0	~~1.5~~	4.9		~~2.97~~ 3.97	2.40	7.13				
"		2.2		0.5		2.1					2.97			1.60
			68.6											(67.0 to 68.6)
44	1.65	1.0		1.0	1.5	15.9		~~1.475~~ 11.33	18.69	28.04				
"		2.2		0.5		2.2					11.33			1.65
			70.25											(68.6 to 70.25)
45	1.80	0.7		0.7		4.4		3.23	5.81	8.72				
"		2.3		0.8	1.5	2.2		~~2.7~~			3.23			1.80
			72.05											(70.25 to 72.05)
46	1.35	0.4		0.4	1.5	5.9		2.025	3.60	5.40				
"		2.8	73.4	1.1		1.5					2.67			1.35
									53.23	128.31				(72.05 to 73.4)

MINERAL RESERVE

(4)

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	STRIKE Length	Thick-ness	AREA m2	S.G. W.	TONNE	Au 93/95 gm/tonne		FACE WT. AV. G gm/m2	L X W m.t.	L X G X W m.t.	SECTION WT. AV. G gm m.t.	+		REMARKS STRIKE L.
47	1.45				RIB GRAB	7.5								
"		2.8			1.5	3.1		3.16	2.175	6.75	3.1			1.45
"			74.85											
48	1.75													
"		2.5		1.0	1.5	2.3		2.6	2.625	6.83				
"		0.5	76.60	0.5		3.2								
49	1.60													
"		1.3		0.7	2.5	2.6		2.5	2.40	6.00				
"		1.2	78.20	0.7		2.4					2.80			7.20 m.
50	1.80													
"		2.0			2.0	3.5		3.5	2.70	9.45				
"		0.9	80.0			2.6								
51	~~2.05~~													
"	0.80	2.1		0.9	1.5	2.2		2.56	3.075	7.88				
"		0.6	82.05	0.6		3.1								
58	2.25	0.9	82.05	✓		5.7								
"		0.4		✓	3.1	5.0		5.84	6.975	40.73 ✓				
"		1.8	84.3	✓		6.1					5.61 ✓	PROPOSED STOPE		~~4.45~~ m
59	2.20	0.4	84.3			3.8								23.7
"		1.9		✓	3.0	5.6		5.38	6.6 ~~6.9~~	35.51 ✓ ~~37.11~~	~~6.67~~ Sections 52-59			
"		1.1	86.5	✓		5.0								
60	2.10	0.6		✓		4.3								
"		1.5		6	1.5	3.3	1.98	4.08	3.15	12.86				
"		0.9		9		4.6	4.14 / 6.12							
"		0.5	88.6			3.1								
61	1.8	1.5		0.3	1.5	2.9		3.3	2.70	8.91	3.65			5.4 m
"		1.2	90.4	1.2		3.4								
62	1.5	0.9		0.9		4.0		3.42	2.25	8.37				
"		1.4		0.6	1.5	3.3								
"		1.0	91.9			3.1								
63	1.45	0.5				1.2								
"		0.7		0.7		2.3		~~2.49~~	2.175 ✓	~~5.42~~	2.23			1.45
"		0.7		0.7	1.5	2.6	1.82	2.45		5.33				
"		1.2	93.35	0.1		2.4	1.92 / 3.74							
64	1.55	0.5				1.1								
"		0.5				2.2								
"		0.5		0.5	1.5	6.0		4.33	2.325	10.06	4.33			1.55
"		1.1		1.0		3.5								
"		0.5	94.90			3.6								
65	1.75	0.8				2.5								
"		1.7		1.7	1.7	3.9		3.9	~~2.625~~ 2.975	~~10.24~~ 11.60	3.90			1.75
"		0.9	96.65			2.6								
66	1.65	2.0		2.0		7.2		7.2	3.30	23.76	7.20			1.65
"		0.9	98.3			2.9								
								~~32.40~~	32.40	157.46				

MINERAL RESERVE

5

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness	FROM TO					w/ Au gr. gm/m²	AREA m² L×W m.t.	Gr×L×W m.t.	gm m.t.	+		REMARKS
67	1.65	2.7		2.7	1.5	4.1		4.1	2.475	10.15				
"		0.4	99.95			3.9								
68	2.0	1.5		✓	1.5	4.1		4.1	3	12.3	4.1			3.65
"		0.8				3.4								
"		0.4	101.95			3.0								
69	1.55	1.2		1.0		3.8	4.56							
"		1.7		0.5	1.5	3.6	1.08 / 5.64	3.73	2.325	8.74	3.64			1.55
"		0.4	103.50			3.3								
70	1.30	1.8		0.4		3.6								
"		0.4		0.4	1.5	5.8		6.66	1.95	12.99	6.66			1.30
"		0.7	104.80	0.7		8.9								
71	1.35	1.5		0.2		3.0								
"		0.4		0.4	1.5	3.2		3.95	2.025	8.00				
"		0.9	106.15	0.9		4.5								
72	1.30	2.3		✓	1.5	3.5		3.50	1.95	6.83				
"		0.1				2.2					3.68			4.30
"		0.8	107.45			5.2								
73	1.65	2.8		✓	1.5	3.6		3.60	2.475	8.91				
"		0.3	109.10			2.8								
74	2.0	0.3				2.6								
"		1.7		✓	~~1.5~~	4.0		4.0	3	12.60				
"		0.3			1.7	2.1					4.0			2.0
"		0.3	110.85			3.6								
52	2.70	1.7	62.9		1.7	6.7		6.7 g/t	4.59 m²	30.75				
			65.60											
53	3.85	0.4	65.60			5.1								
"		0.6			1.0	7.1		6.3	3.85	24.255				
"		1.0	69.45											
	4.05		69.45											
54		2.7			2.7	6.8		6.8	11.475	78.03				
			73.70											
	3.3		73.70											~~19.6~~
55		0.4				5.8		8.44	8.91	75.20				
		2.3			2.7	8.9					~~6.67~~			~~23.7~~
			77.0								Sections 52-59			
	2.5		77.0											
56		0.4				5.6								
		2.0			2.7	5.6		5.94	6.75	40.095				
		0.3	79.5			8.7								
	2.55		79.5											
57		0.3				5.0								
		0.4			2.6	4.9		5.28	6.63	35.01				
		1.9	82.05			5.4								
	19.15		62.9 N / 82.05 N						42.205	283.34				

PROPOSED STOPE CONTINUED

MINERAL RESERVE

(6)

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness												
75	1.7	0.4	112.55			0.9								
		0.7		0.7	1.5	4.4		4.03	255	10.28				
		1.1		0.8		3.7								4.26 /5.4
		0.3				2.3					→SEE PAGE.			(H)
		0.4				4.7					(+74)			
76	1.7	0.3	114.25			1.1								
		0.8		.8		7.2	5.76							
		1.2		0.7	1.5	2.3	1.61	4.9	2.55	~~12.53~~ 12.49				
		1.1				5.7								
77	1.7	0.2	115.95			9.4								
		0.5				3.0								
		0.5				2.6								
		0.9			1.6	7.8		29.20	2.72	79.42				
		0.7				56.7								
78	1.7	0.5	117.65			2.7								
		0.6				2.2								
		1.3			1.5	15.5		16.93	2.55	43.17				
		0.2				26.2								
		0.6				3.9								
79	1.6	1.5	119.25	.2		4.2	.84							
		1.3		1.3	~~1.5~~	4.8	6.24	4.72						
		0.4				4.0	1.08		2.40	11.33				
80	1.35	0.5	120.6	.5		3.5	1.75							
		1.4		1.0		2.6	2.6 / 4.35							
		0.7			~~1.5~~	2.8		2.90	2.025	5.87				
		0.2				2.5								
		0.4				2.7								
81	1.65	1.0	122.25	.7		3.4	2.38							
		0.8		.8	1.5	3.7	2.96 / 5.34	3.56	2.475	8.81				
		1.3				3.0								
82	1.95	0.3	124.2	.3		3.3								
		0.8		.8	1.5	3.5		3.22	~~2.295~~ 2.925	~~8.81~~ 9.42				
		1.4		0.4		2.6								
		0.3				3.1								
83	1.85	0.8	126.05			3.1								
		1.0				2.7								
		1.1		1.1	1.5	3.0		3.0	2.775	~~8.91~~ 8.32				
		0.4		0.4		3.0								
84	2.00	0.4	128.05			2.6								
		0.9		.9	1.5	3.4	3.06	3.28	3	9.84				
		1.1		.6		3.1	1.86 / 4.92							
		1.1				2.6								
		0.8				3.1								
85	1.80	0.9	129.85			2.6								
		0.9				2.5								
		1.3		1.3	~~1.5~~	3.4	4.42	3.36	2.7	9.07				
		0.8		.2		3.1	1.62							
							5.04		25.05	208.04				

MINERAL RESERVE

(7)

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness	Location from Δ11	W used	Total W used	Assay		wt Av Cut	Area m² L x W	L x W x Cu	gm/tonne			.0291667 x gm/tonne
86	1.60	1.4	129.85 N			1.1								
		0.5				1.4								
		1.2		.6	~~1.5~~	2.8	1.68	~~2.86~~	~~2.40~~	~~6.86~~				
		0.9	131.45 N	.9	2.1	2.9	2.61 / 4.29	2.84	3.36	9.54				
87	1.65	0.3	131.45	.3		5.0	1.5							
		2.1		1.2	1.5	4.4	5.28	4.52	2.475	11.19	4.52			
		1.0	133.1			3.2	6.78							
88	2.05	0.8	133.1			4.7								
		0.5		0.5	1.5	6.4		5.01	3.075	16.36	~~5.30~~			
		1.4		0.9		4.8			5.3	2.05				
		0.8				2.7								9.8
		0.6	135.15			3.0								
89	2.00													
90	2.00	1.5	135.15		1.5	16.1	—	16.1	3.00	48.3				
		1.0				3.0								
		1.3	137.15			3.0								9.85
91	1.85	1.0	137.15	1.0	1.5	6.5		4.6	2.78	12.77				
		0.8		0.5		0.8								
		1.3	139.0			1.3								
92	1.95	0.8	139.0		1.7	7.8		7.06	3.32	23.40				
		0.9				6.4								
		1.5	140.95			3.1								
93	1.95	0.1	140.95			2.1			2.925	23.37				
		0.8		.8	1.5	1.5		7.99						
		0.7		.7		15.4								
		1.3	142.9			0.5								
94	1.85	1.5	142.9			0.4								
		0.5		0.5	1.5	4.9	~~2.45~~	~~4.9~~	~~2.18~~	~~13.6~~				
		1.6	144.75	1.0 / ~~1.5~~		1.6	1.60 / ~~4.05~~	2.70	2.775	7.49				
95	0.85	1.5	144.75			0.5								
		0.6				2.6			1.615	5.49				
		1.9	145.5		1.5	3.4		3.4	~~1.28~~	~~4.34~~				
							Page	7	24.04	160.13				
								6	25.05	208.04				
								5	92.53	598.56				
								4	32.40	157.46				
								3	16.58	48.70				
									190.60	1172.89	6.15			0.180 oz/ton
					0.180	oz/ton		UNCUT GRADE						
	tons	VF⁻¹			6.66	x (93.8 x	3,280.8)	=	166.49	ton/VF				
						12.31								

7.9 gm/tonne

MINERAL RESERVE

BLACK DOME
SOUTH END OF DRIFT

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	m STRIKE Length	m Thick-ness	AREA m2	S.G.	TONNE / m	gm/tonne GRADE	GRADE x THICKNESS	wt AV GRADE gm/m2	GRADE wt AV. x STRIKE m.t.	m.t. LXWXG	gm m.t.	+		REMARKS
75.80 → 77.70	1.90	1.5	2.85			2.6		2.6	4.94	7.41				
77.70 → 79.85	2.15	.9				2.2	1.98							
		.6				1.9	1.14							
	2.15	1.5	3.225				3.12	2.08	4.472	6.69				
79.85 → 81.35	1.50	.9				3.7	3.33							
		.6				1.8	1.08							
	1.5	1.5	2.25				4.41	2.94	4.41	6.61				
81.35 → 83.65	2.30	.6				2.9	1.74							
		.9				2.6	2.34							
	2.30	1.5	3.45				4.08	2.72	6.26	9.40				
83.65 → 85.80	2.15	.8				2.9	2.32							
		.7				1.2	.84							
	2.15	1.5	3.23				3.16	2.11	4.54	6.81				
85.80 → 87.40	1.60	.9				4.7	4.23							
		.4				2.4	.96							
		.2				2.0	.4							
	1.6	1.5	2.4				5.59	3.73	5.97	8.95				
87.40 → 88.90	1.5	1.4				8.8	12.32							
		.1				2.6	.26							
	1.5	1.5	2.25				12.58	8.39	12.58	18.9				
88.90 → 90.90	2	1.5	3.0			2	3.0	2	4.00	6.0				
90.90 → 93.40	2.50	09				2.7	2.43							
		.6				1.6	.96							
	2.5	1.5	3.75				3.39	2.26	5.65	8.48				
93.40 → 95.75	2.35	0.6				2.6	1.56							
		.9				0.9	.81							
	2.35	1.5	3.53				2.37	1.58	3.71	5.58				
95.75 → 97.20	1.45	.4				2.5	1.00							
		1.1				1.2	1.32							
	1.45	1.5	217.5				2.32	1.55	3.36	3.36				
97.20 → 98.7	1.5	.4				1.9	.76							
		.5				1.7	.85							
	1.5	.6	2.25			.9	.54	1.43	2.15	3.22				
	1.5	1.5	2.25				2.15	1.43	2.15	3.22				

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	m STRIKE Length	m Thick-ness				gm/tonne GRADE	GR x T	Wt Au GRADE	Wt Au GRADE x STRIKE LENGTH	L x W x G
98.7 → 100.55	1.85	.9				2.9	2.61			
		.6				2.0	1.2			
	1.85	1.5					3.81	2.54	4.70	7.05
100.55 102.60	2.05	.3				3.7	1.11			
		.8				2.5	2.00			
		.4				1.6	.64			
	2.05	1.50					3.75	2.5	3.08	7.69
102.60 104.35	1.75	.5				1.6	.8			
		.5				1.5	.75			
		.5				1.5	.75			
	1.75	1.5					2.30	1.53	2.68	4.02
104.35 105.85	1.50	.6				2.1	1.22			
		.6				2.0	1.20			
		.3				1.6	.48			
	1.5	1.5	2.25				2.90	1.93	2.90	4.34
105.85 107.35	1.5	.7				3.5	2.45			
		.8				2.3	1.84			
	1.5	1.5	2.25				4.29	2.86	4.29	6.43
107.85 108.90	1.05	1.5				2.3		2.3	2.415	3.62
108.90 110.50	1.60	1.0				3.4	3.40			
		.4				3.0	1.20			
		.1				1.6	.16			
	1.6	1.5	2.40				4.76	3.17	5.07	7.608
110.5 112.05	1.55	2.3	3.565			6.2	14.26	6.2	9.61	22.103
112.05 113.35	1.30	1.5	1.95			2.9	4.35	2.9	3.77	5.66
113.35 → 114.45	1.1	1.5	1.65			1.5	2.25	1.5	1.65	2.47
114.45 115.55	1.1	.2				2	.4			
		1.3				1.6	2.08			
	1.1	1.5	1.65				2.48	1.65	1.82	2.72
115.55 116.7	1.15	.5				1.7	.85			
		1.0				1.1	1.1			
	1.15	1.5	1.725				1.95	1.3	1.50	2.24

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	STRIKE m Length	m Thick-ness	m² L x T			GRADE gm/tonne	GRADE x THICKNESS	WT AV GRADE	WT AV GRADE x STRIKE L.	L x W x G			
116.7 117.85	1.15	.5				2.3	.115						
		.8				1.9	1.52						
		.2				1.1	.22						
	1.15	1.5	1.725				1.855	1.24	1.43	2.13			
117.85 → 119.05	1.20	1				1.2	1.2						
		.5				1	.5						
	1.2	1.5	1.8				1.7	1.13	1.34	2.03			
119.05 120.6	1.55	.3				2	.6						
		.4				2.7	1.08						
		.5				1.6	.8						
		.3				1.0	.3						
	1.55	1.5	2.325				2.78	1.85	2.87	4.30			
120.6 121.85	1.25	1.1				2	2.2						
		.4				1.9	.76						
	1.25	1.5	1.875				2.96	1.97	2.46	3.68			
121.85 122.70	.85	.5				1.6	.8						
		.5				2.0	1.0						
		.5				1.4	.7						
	.85	1.5	1.275				2.5	3.75	3.19	4.76			
122.70 123.95	1.25	1.3				1.5	1.95						
		.2				1.	.2						
	1.25	1.5					2.15	1.43	1.79	2.68			
123.95 125.35	1.45	1				1.1	1.1						
		.5				1	.5						
	1.45	1.5	2.17x5				1.6	1.06	1.54	2.30			
125.35 126.45	1.10	1.2				1.6	1.92						
		.3				.9	.27						
	1.10	1.5	1.65				2.19	1.46	1.61	2.41			
126.45 128.10	1.65	1.5				1.9	2.85	1.9	3.14	4.70			
128.10 130.00	1.90	0.8				2.4	1.92						
		0.7				2.3	1.61						
	1.90	1.5	2.85				3.53	2.35	4.47	6.69			
130.00 131.4	1.4	.6				1.8	108						
		.9				1.2	108						
	1.4	1.5	2.10				216	144	2.02	3.02			

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	m STRIKE Length	m Thick-ness	m² L×T			Gr gm/tonne	Gr×T	Wt Av Gr	Wt Av Gr × ST. LENGTH	L×W×G			
131.4 → 132.9	1.5	1.3				1.5	1.95						
		.2				.9	.18						
	1.5	1.5	2.25				2.13	1.42	2.13	3.20			
132.9 → 134.3	1.4	.3				7.1	2.13						
		1.2				1.6	1.92						
	1.4	1.5	2.10				4.05	2.7	3.78	5.67			
134.3 135.95	1.65	1.4				1.8	2.52						
		.1				1.3	.13						
	1.65	1.5	2.475				2.65	1.77	2.92	4.37.			
135.95 137.90	1.95	.8				1.6	1.26						
		.6				1.1	.66						
		.1				1.1	.11						
	1.95	1.5	292.5				2.03	1.53	2.98	4.47			
137.90 139.4	1.5	1.5				1.4	2.10	1.4	2.10	3.15			
139.4 140.45	1.05	.9				.9	.81						
		.6				.4	.24						
	1.05	1.5	157.50				1.05	.75	.735	1.10			
140.45 → 141.90	1.45	1.4				1.3	1.82						
		.1				.5	.05						
	1.45	1.5	217.5				1.87	1.25	1.81	2.71			
141.9 143.7	1.8	.7				1	.7						
		.8				.8	.64						
	1.8	1.5	2.70				1.34	.89	1.60	2.40			
143.7 145.3	1.6	1.5	2.40			3.5	5.45	3.5	5.6	8.4			
145.3 146.95	1.65	1.5				1.7	2.55	1.7	2.81	4.21			
146.95 149.20	2.25	1.5				1	1.5	1	2.25	3.37			
149.20 151.35	2.15	1.5				.2	.3	.2	.43	0.64			
151.35 152.8	1.45	1.5				.4	.60	.4	.58	0.87			
152.8 154.4	1.6	1.5				.4	.60	.4	.64	0.96			
154.4 156.15	1.75	1.5				.4	.6	.4	.70	1.05			

MINERAL RESERVE

DEPOSIT

DATE :
CALCULATION BY:
REVISED:

ZONE SEGMENT	Length	Thick-ness								LxWxG				
156.15 158.05	1.90	1.5				.13	.45	.3	.57	0.86				
158.05	?	1.5				.4	60	.4		0.57				
	0.95													
			MISSING		W									
73.20m to 75.80m	2.60	1.5	3.9		2.2	2.2	2.42							
					0.4	3.4	1.36	2.52		9.83				