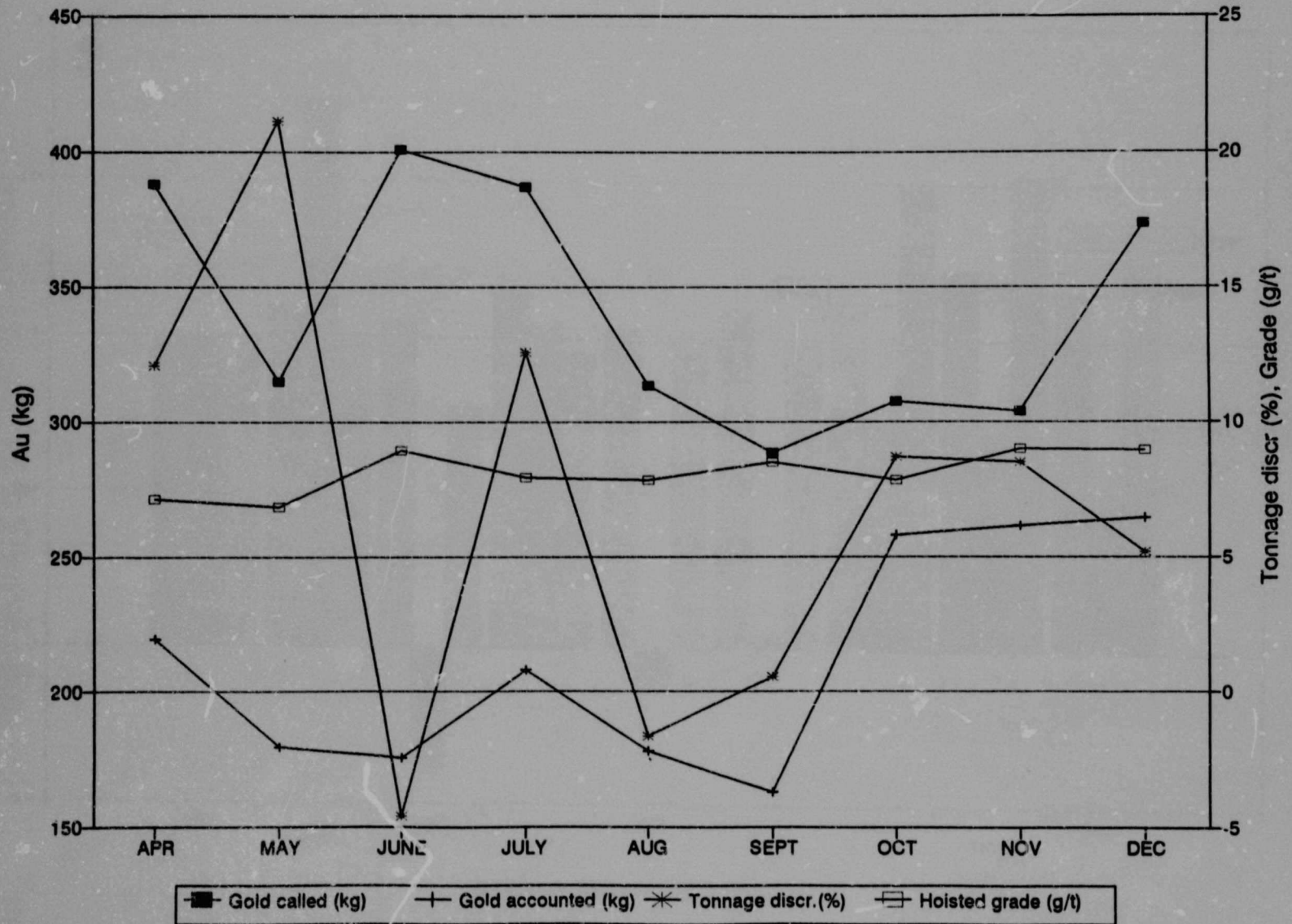
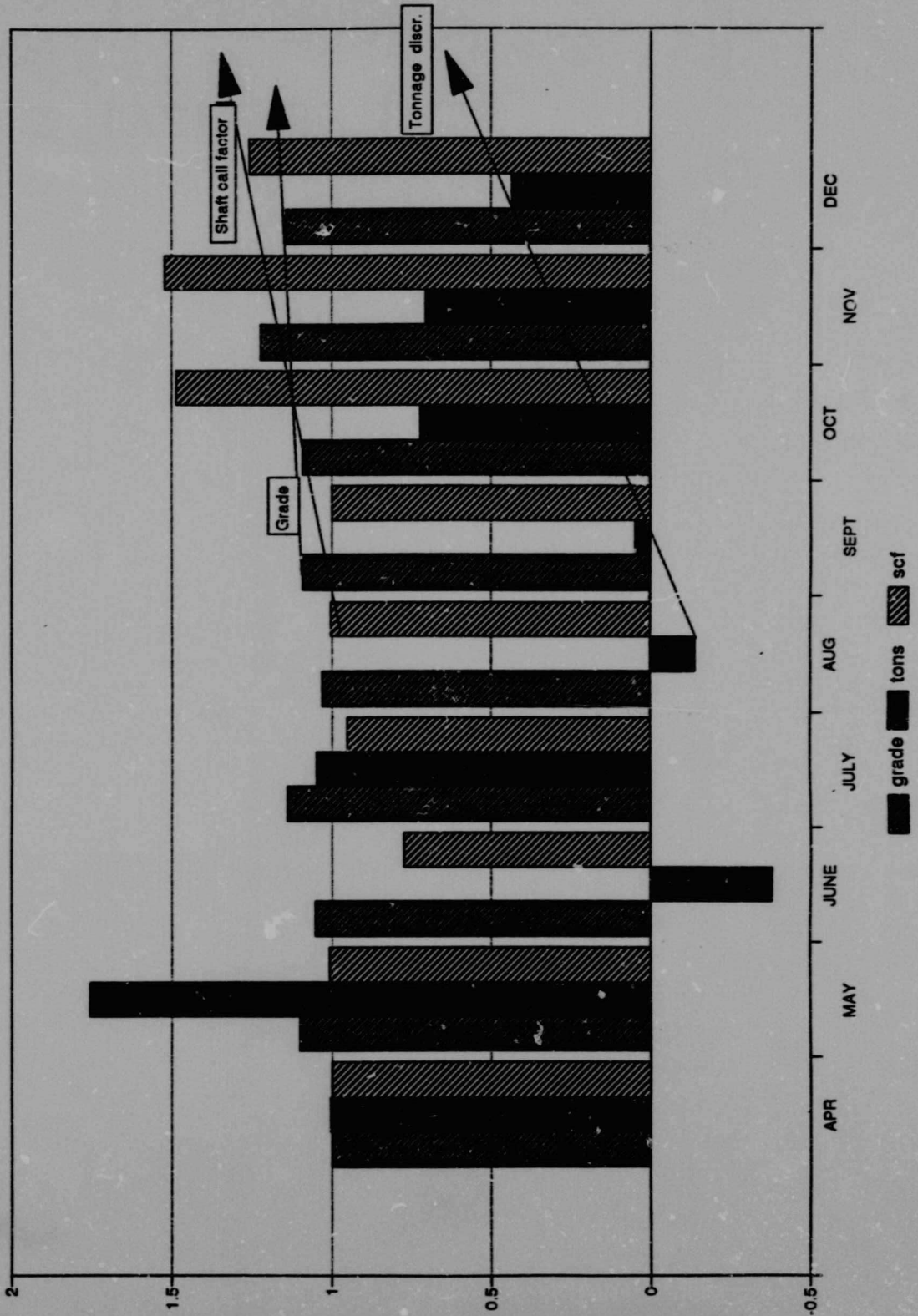


2 Shaft

Graph 101. 2 Shaft - President Brand carbon-in-pulp experiment. Result indicators.



2 Shaft
Indices normalised to 1 (April 95)



Graph 102. 2 Shaft - President Brand carbon-in-pulp experiment. Normalised indices.

2. TABLE SECTION.

FREDDIES MINE		
	Mine Call Factor	STOPE VALUE(g/t)
Apr-92	80.51	8.6
May-92	83.23	8.52
Jun-92	86.41	9.35
Jul-92	75.94	9.86
Aug-92	87.81	9.25
Sep-92	86.76	9.5
Oct-92	82.64	10.01
Nov-92	81.41	9.5
Dec-92	83.31	9.48
Jan-93	79.58	9.36
Feb-93	77.29	9.55
Mar-93	81.63	10.05
Apr-93	77.62	10.15
May-93	79.96	9.68
Jun-93	70.25	10.06
Jul-93	75.2	9.29
Aug-93	77.9	9.1
Sep-93	75.52	9.34
Oct-93	74.33	9.18
Nov-93	74.36	9.66
Dec-93	78.84	9.06
Jan-94	84.88	8.79
Feb-94	83.92	9.02
Mar-94	85.06	8.75
Apr-94	77.45	8.99
May-94	81.58	8.78
Jun-94	71.65	8.9
Jul-94	78.8	9.27
Aug-94	83.01	8.93
Sep-94	78.05	9.16
Oct-94	78.15	9.34
Nov-94	83.37	9.89
Dec-94	81.76	9.35
Jan-95	79.78	9.65
Feb-95	86.25	10.03
Mar-95	72.62	10.22
Apr-95	82.34	11.61
May-95	69.43	12.11
Jun-95	72.56	11.39
Jul-95	71.17	12.09
Aug-95	65.16	12.75
Sep-95	72.91	12.42

MINE CALL FACTOR VS STOPE GRADE (g/t)	
Regression Output:	
Constant	114.06463
Std Err of Y Est	4.442206
R Squared	0.4361714
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	-3.659393
Std Err of Coef.	0.6578456

Table 1. Freddie mine. Statistical relationship between Mine Call Factor and stope value.

FREDDIES MINE		
	Mine Call Factor	HOISTED GRADE (g/t)
Apr-92	80.51	7.11
May-92	83.23	6.57
Jun-92	86.41	6.64
Jul-92	75.94	7.92
Aug-92	87.81	6.51
Sep-92	86.76	6.9
Oct-92	82.64	7.03
Nov-92	81.41	6.75
Dec-92	83.31	7.13
Jan-93	79.58	7.2
Feb-93	77.29	7.61
Mar-93	81.63	7.19
Apr-93	77.62	7.3
May-93	79.96	6.83
Jun-93	70.25	7.62
Jul-93	75.2	6.98
Aug-93	77.9	6.87
Sep-93	75.52	6.66
Oct-93	74.33	7.29
Nov-93	74.36	7.54
Dec-93	78.84	6.82
Jan-94	84.88	6.2
Feb-94	83.92	6.87
Mar-94	85.06	6.46
Apr-94	77.45	7.21
May-94	81.58	6.04
Jun-94	71.65	7.2
Jul-94	78.3	6.87
Aug-94	83.01	6.25
Sep-94	78.05	6.75
Oct-94	78.15	6.86
Nov-94	83.37	6.98
Dec-94	81.76	6.86
Jan-95	79.78	6.66
Feb-95	86.25	6.84
Mar-95	72.62	8.14
Apr-95	62.34	9.32
May-95	69.43	8.82
Jun-95	72.56	8.09
Jul-95	71.17	8.09
Aug-95	65.16	9.59
Sep-95	72.91	8.59

MINE CALL FACTOR VS HOISTED GRADE (g/t)	
Regression Output:	
Constant	122.9444
Std Err of Y Est	3.281855
R Squared	0.692257
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	-6.17913
Std Err of Coef.	0.651415

Table 2. Freddie's mine. Statistical relationship between Mine Call Factor and hoisted grade.

FREDDIES MINE		
	Mine Call Factor	GOLD CALLED FOR STOPES
Apr-92	80.51	1973.83
May-92	83.23	1858.5
Jun-92	86.41	2010.05
Jul-92	75.94	2227.76
Aug-92	87.81	1944.18
Sep-92	86.76	2059.33
Oct-92	82.64	2107.63
Nov-92	81.41	1980.75
Dec-92	83.31	2056.69
Jan-93	79.58	1965.85
Feb-93	77.29	2137.88
Mar-93	81.63	2173.49
Apr-93	77.62	1947.56
May-93	79.96	2035.86
Jun-93	70.25	2156.49
Jul-93	75.2	1998.01
Aug-93	77.9	2137.26
Sep-93	75.52	2023.37
Oct-93	74.33	1971.65
Nov-93	74.36	2086.22
Dec-93	78.84	1993.07
Jan-94	84.88	1891.04
Feb-94	83.92	2005.45
Mar-94	85.06	1868.84
Apr-94	77.45	1916.61
May-94	81.58	1849.75
Jun-94	71.65	1989.31
Jul-94	78.8	2035.65
Aug-94	83.01	1911.33
Sep-94	78.05	2052.4
Oct-94	78.15	2074.22
Nov-94	83.37	2153.75
Dec-94	81.76	1981.34
Jan-95	79.78	1811
Feb-95	86.25	2033.15
Mar-95	72.62	2243.2
Apr-95	82.34	2483.94
May-95	68.43	2172.04
Jun-95	72.56	2156.26
Jul-95	71.17	2340.68
Aug-95	65.18	2633.04
Sep-95	72.91	2256.48

MINE CALL FACTOR VS GOLD CALLED FOR STOPES (kg)	
Regression Output:	
Constant	123.0738
Std Err of Y Est	4.382537
R Squared	0.451217
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	-0.02178
Std Err of Coef.	0.003797

Table 3. Freddies mine. Statistical relationship between Mine Call Factor and gold called for (stopes).

FREDDIES MINE		
	Mine Call Factor	TOTAL TONS HOISTED
Apr-92	80.51	372024
May-92	83.23	375044
Jun-92	86.41	380454
Jul-92	75.94	353054
Aug-92	87.81	381187
Sep-92	86.76	389055
Oct-92	82.64	393248
Nov-92	81.41	386935
Dec-92	83.31	374506
Jan-93	79.58	360379
Feb-93	77.29	379387
Mar-93	81.63	390325
Apr-93	77.62	342731
May-93	79.96	408382
Jun-93	70.25	387916
Jul-93	75.2	392324
Aug-93	77.9	424151
Sep-93	75.52	412209
Oct-93	74.33	378452
Nov-93	74.36	381706
Dec-93	78.84	380347
Jan-94	84.88	367427
Feb-94	83.92	373627
Mar-94	85.06	376518
Apr-94	77.45	345248
May-94	81.58	365725
Jun-94	71.85	347598
Jul-94	78.8	407923
Aug-94	83.01	415771
Sep-94	78.05	413359
Oct-94	78.15	415783
Nov-94	83.37	423336
Dec-94	81.76	394953
Jan-95	79.78	370774
Feb-95	86.25	412737
Mar-95	72.62	388692
Apr-95	62.34	349283
May-95	69.43	336935
Jun-95	72.56	375990
Jul-95	71.17	371534
Aug-95	65.16	354625
Sep-95	72.91	347208

MINE CALL FACTOR VS TOTAL TONS HOISTED		
Regression Output:		
Constant		40.39735
Std Err of Y Est		5.432985
R Squared		0.156613
No. of Observations		42
Degrees of Freedom		40
X Coefficient(s)	9.96E-05	
Std Err of Coef.	3.65E-05	

Table 4. Freddie's mine. Statistical relationship between Mine Call Factor and total tons hoisted.

FREDDIES MINE		
	Mine Call Factor	ORE HOISTED DISCREP
Apr-92	83.23	21117
May-92	83.23	36970
Jun-92	86.41	60783
Jul-92	75.94	20646
Aug-92	87.81	58524
Sep-92	86.76	50910
Oct-92	82.64	59401
Nov-92	81.41	55392
Dec-92	83.31	43870
Jan-93	79.58	35453
Feb-93	77.29	25914
Mar-93	81.63	55214
Apr-93	77.62	48782
May-93	79.96	61124
Jun-93	70.25	37837
Jul-93	75.2	43068
Aug-93	77.9	50200
Sep-93	75.52	62883
Oct-93	74.33	27029
Nov-93	74.36	34314
Dec-93	78.84	40315
Jan-94	84.88	54016
Feb-94	83.92	34931
Mar-94	85.06	44313
Apr-94	77.45	24145
May-94	81.58	58538
Jun-94	71.65	19041
Jul-94	78.8	44740
Aug-94	83.01	60197
Sep-94	78.05	48446
Oct-94	78.15	48254
Nov-94	83.37	58360
Dec-94	81.76	46236
Jan-95	79.78	58411
Feb-95	86.25	64400
Mar-95	72.62	27518
Apr-95	62.34	26722
May-95	69.43	38886
Jun-95	72.56	50642
Jul-95	71.17	67105
Aug-95	65.16	20519
Sep-95	72.91	49909

MINE CALL FACTOR VS ORE HOISTED DISCREPANCY (t)	
Regression Output:	
Constant	69.12535
Std Err of Y Est	5.146528
R Squared	0.243205
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.000000
Std Err of Coef.	5.765-05

Table 5. Freddies mine. Statistical relationship between Mine Call Factor and ore hoisted discrepancy.

FREDDIES MINE		
	Mine Call Factor	REEF TONS HOISTED
Apr-92	80.51	291803
May-92	83.23	285713
Jun-92	86.41	307868
Jul-92	75.94	286120
Aug-92	87.81	303898
Sep-92	86.76	301416
Oct-92	82.64	301608
Nov-92	81.41	293463
Dec-92	83.31	290260
Jan-93	79.58	276064
Feb-93	77.29	287142
Mar-93	81.83	301672
Apr-93	77.62	268805
May-93	79.96	302173
Jun-93	70.25	288001
Jul-93	75.2	287862
Aug-93	77.9	316676
Sep-93	75.52	311480
Oct-93	74.33	279197
Nov-93	74.38	284080
Dec-93	78.04	298020
Jan-94	84.88	278002
Feb-94	83.92	295556
Mar-94	85.06	295219
Apr-94	77.45	272230
May-94	81.58	280346
Jun-94	71.65	278864
Jul-94	78.8	300981
Aug-94	83.01	313239
Sep-94	78.05	310195
Oct-94	78.15	306997
Nov-94	83.37	313907
Dec-94	81.76	293905
Jan-95	79.78	276411
Feb-95	86.25	302694
Mar-95	72.62	279930
Apr-95	62.34	270112
May-95	69.43	250594
Jun-95	72.56	272819
Jul-95	71.17	293657
Aug-95	65.16	258580
Sep-95	72.91	275217

MINE CALL FACTOR VS REEF TONS HOISTED		
Regression Output:		
Constant		13.52194
Std Err of Y Est		4.783073
R Squared		0.346322
No. of Observations		42
Degrees of Freedom		40
X Coefficient(s)	0.000223	
Std Err of Coef.	4.85E-05	

Table 6. Freddie's mine. Statistical relationship between Mine Call Factor and reef tons hoisted.

FREDDIES MINE		
	Mine Call Factor	SWEEPINGS %
Apr-92	80.51	98.5
May-92	83.23	103.9
Jun-92	86.41	101.5
Jul-92	75.94	98.2
Aug-92	87.81	103.2
Sep-92	86.76	96.6
Oct-92	82.64	95.2
Nov-92	81.41	103.1
Dec-92	83.31	107.1
Jan-93	79.58	99.0
Feb-93	77.29	93.5
Mar-93	81.63	110.9
Apr-93	77.62	103.3
May-93	79.96	92.1
Jun-93	70.25	101.7
Jul-93	75.2	92.6
Aug-93	77.9	87.8
Sep-93	75.52	115.3
Oct-93	74.33	100.3
Nov-93	74.36	90.6
Dec-93	78.84	98.6
Jan-94	84.88	107.1
Feb-94	83.92	86.6
Mar-94	85.06	99.2
Apr-94	77.45	86.5
May-94	81.58	98.4
Jun-94	71.65	95.8
Jul-94	78.8	89.8
Aug-94	83.01	106.2
Sep-94	78.05	98.1
Oct-94	78.15	89.6
Nov-94	83.37	106.0
Dec-94	81.76	99.5
Jan-95	79.78	108.5
Feb-95	86.25	91.0
Mar-95	72.62	96.5
Apr-95	62.34	89.6
May-95	69.43	104.6
Jun-95	72.56	101.9
Jul-95	71.17	103.1
Aug-95	65.16	96.8
Sep-95	72.91	94.4

MINE CALL FACTOR VS SWEEPINGS %	
Regression Output:	
Constant	64.01294
Std Err of Y Est	5.831096
R Squared	0.028484
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.145294
Std Err of Coef.	0.134167

Table 7. Freddies mine. Statistical relationship between Mine Call Factor and sweepings.

FREDDIES MINE			
	Mine Call Factor	TRAM WIDTH (cm)	STOPE WIDTH (cm)
Apr-92	80.51	136.6	111.7
May-92	83.23	139.7	110.5
Jun-92	86.41	152.7	110
Jul-92	75.94	131.5	107.7
Aug-92	87.81	147.1	105.6
Sep-92	86.75	141.3	105.7
Oct-92	82.64	147.3	106.3
Nov-92	81.41	145.2	105.6
Dec-92	83.31	139.9	107.3
Jan-93	79.58	140.5	110.7
Feb-93	77.29	135.6	110.3
Mar-93	81.63	151.2	112.4
Apr-93	77.62	153.5	113.4
May-93	79.96	152.6	110.1
Jun-93	70.25	141.2	109.4
Jul-93	75.2	146.3	113.1
Aug-93	77.9	148.7	113.9
Sep-93	75.52	151.3	109.1
Oct-93	74.33	139.3	111.6
Nov-93	74.36	139.9	111.6
Dec-93	78.84	141.2	106
Jan-94	84.88	148.3	106.9
Feb-94	83.92	133.4	106.2
Mar-94	85.06	142.5	108.6
Apr-94	77.45	131.4	107.4
May-94	81.58	151	106.4
Jun-94	71.65	128.3	107.6
Jul-94	78.8	139.8	107.2
Aug-94	83.01	148.3	107.3
Sep-94	78.05	140	106
Oct-94	78.15	137	104.4
Nov-94	83.37	138.7	101.6
Dec-94	81.76	134.5	102.2
Jan-95	79.78	141.4	100.3
Feb-95	86.25	142.4	100.2
Mar-95	72.62	126.9	104.6
Apr-95	62.34	126.3	104.3
May-95	69.43	136.5	103.6
Jun-95	72.56	138.1	100.6
Jul-95	71.17	143.3	99.1
Aug-95	65.16	121.7	105
Sep-95	72.91	138	99.1

MINE CALL FACTOR VS TRAM WIDTH₁ (cm)

Regression Output:	
Constant	20.08452
Std Err of Y Est	4.979534
R Squared	0.231521
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.413991
Std Err of Coef.	0.102044

MINE CALL FACTOR VS STOPE WIDTH (cm)

Regression Output:	
Constant	61.84807
Std Err of Y Est	5.883648
R Squared	0.010893
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.154168
Std Err of Coef.	0.23232

Table 8. Freddies mine. Statistical relationship between Mine Call Factor and tramming / stoping width.

Table 9. Freddie's mine. Statistical relationship between Mine Call Factor and various variables.

FREDDIE'S MINE										
	Mine Call Factor	STP WIDTH	GCF O/AREAS	AREA MINED	AREA SWEPT	CMQ/T	ORE HST DISC	TOTAL TONS	GRADE HST	REEF MTRS
Apr-92	80.51	111.7	2.34	73893	67596	961	21117	372024	7.11	473.2
May-92	83.23	110.5	10.6	71019	67287	941	36970	375044	6.57	357.5
Jun-92	86.41	110	27.55	70289	65155	1029	60783	380454	6.84	313
Jul-92	75.94	107.7	9.79	75464	68173	1062	20646	353054	7.92	427.3
Aug-92	87.81	105.6	11.93	71806	67785	977	58524	381187	6.51	469
Sep-92	87.76	105.7	16.94	73819	66123	1003	50910	389055	6.9	374.4
Oct-92	82.64	106.3	3.84	71285	62692	1084	59401	393248	7.03	429.3
Nov-92	81.41	105.6	6.14	70296	67337	1003	53392	388935	6.75	495
Dec-92	83.31	107.3	3.96	72692	71151	1018	43870	374506	7.13	402.8
Jan-93	79.58	110.7	12.73	68252	62464	1036	35453	360379	7.2	480.8
Feb-93	77.29	110.3	42.03	73002	63148	1053	25914	379587	7.81	419.2
Mar-93	81.83	112.4	0	69207	69982	1130	55214	390325	7.19	474.4
Apr-93	77.82	113.4	0	60638	56193	1152	48782	342731	7.3	393.2
May-93	79.96	110.1	0	68740	58045	1065	61124	408362	6.83	399.6
Jun-93	70.25	109.4	0	70503	65371	1100	37837	387916	7.62	403.4
Jul-93	75.2	113.1	0	68387	57231	1051	43068	392324	6.98	443
Aug-93	77.9	113.9	0	74220	58675	1036	50200	424151	6.87	526.8
Sep-93	75.52	109.1	0	71432	75065	1019	62883	412209	6.66	535.9
Oct-93	74.33	111.6	0	69232	63760	1024	27029	378452	7.29	596.1
Nov-93	74.36	111.6	0	69684	57992	1077	34314	381706	7.54	682.6
Dec-93	78.84	106	0	73299	65276	978	40315	380347	6.82	426.2
Jan-94	84.88	106.9	0	64765	62871	939	54016	367427	6.2	499.3
Feb-94	83.92	106.2	0	75348	57110	957	34931	373627	6.87	617.8
Mar-94	85.06	106.6	0	70770	63435	950	44313	376518	6.46	537.8
Apr-94	77.45	107.4	0	71460	58495	985	24145	345248	7.21	594.7
May-94	81.58	106.4	5.1	63522	56228	934	58538	365725	6.04	571.7
Jun-94	71.65	107.6	0.62	73960	64995	958	19041	347596	7.2	728.7
Jul-94	76.8	107.2	1.96	73706	60730	993	44740	407923	6.87	689.8
Aug-94	83.01	107.3	7	71752	70144	986	60197	418771	6.25	929.9
Sep-94	78.05	106	2.72	75991	69197	972	48448	413359	6.75	780.6
Oct-94	78.15	104.4	0	76503	63350	975	43254	415783	6.86	792.4
Nov-94	83.37	101.6	1.74	77055	75812	1005	58360	423336	6.98	778.6
Dec-94	81.76	102.2	1.46	74600	69435	955	48236	394953	6.86	691.3
Jan-95	79.78	100.3	1.94	67301	67193	968	58411	370774	6.88	514.5
Feb-95	86.25	100.2	2.87	72789	60278	1005	64400	412737	6.54	617.5
Mar-95	72.82	104.8	3.43	75336	66949	1071	27518	388692	6.14	635.1
Apr-95	62.34	104.3	0	73775	60469	1211	26722	349283	9.32	603
May-95	69.43	103.6	15.49	62270	60349	1255	38886	336936	8.92	450.7
Jun-95	72.56	100.5	27.53	67674	63256	1146	50842	375590	8.09	435.1
Jul-95	71.17	99.1	9.45	70247	68656	1199	67105	371534	8.09	449.2
Aug-95	85.16	105	8.09	70733	63364	1339	20519	354625	9.59	557.9
Sep-95	72.91	99.1	3.05	65940	56745	1231	49909	347208	8.59	505.5

Table 10. Freddie mine. Statistical relationship between Mine Call Factor and various variables, results.

FREDDIE MINE									
Regression Output:									
Constant	159.46653466								
Std Err of Y Est	2.9212236103								
R Squared	0.8049355268								
No. of Observations	42								
Degrees of Freedom	32								
X Coefficient(s)	-0.465279046	0.0653088777	0.000648	-4.2E-05	0.059417	-9.3E-05	-5.6E-05	-14.9618	-0.00644
Std Err of Coef.	0.2963860536	0.0573556877	0.000264	0.000111	0.034471	0.000139	4.5E-05	5.048927	0.004744

FREE STATE GEDULD MINE

	MINE CALL FACTOR	STOPE GRADE (g/t)
Apr-92	83.65	12.51
May-92	83.2	12.62
Jun-92	82.36	13.43
Jul-92	76.24	13.27
Aug-92	86.22	12.13
Sep-92	84.64	12.64
Oct-92	82.47	14.35
Nov-92	82.33	13.18
Dec-92	83.71	13.14
Jan-93	78.02	13.59
Feb-93	80.15	12.4
Mar-93	83.94	13.02
Apr-93	76.53	11.89
May-93	76.68	13.96
Jun-93	71.1	13.55
Jul-93	74.46	14.54
Aug-93	80.71	12.7
Sep-93	75.37	13.24
Oct-93	76.86	13.9
Nov-93	73.02	16.3
Dec-93	75.25	14.74
Jan-94	77.83	14.03
Feb-94	81.52	12.46
Mar-94	81.74	11.64
Apr-94	77.14	11
May-94	80.72	10.31
Jun-94	71.31	11.33
Jul-94	76.65	12.03
Aug-94	76.64	11.72
Sep-94	79	12.45
Oct-94	72.74	13.42
Nov-94	77.12	13.01
Dec-94	80.8	11.76
Jan-95	80.82	11.76
Feb-95	80.78	11.58
Mar-95	80.86	11.71

MINE CALL FACTOR vs STOPE GRADE (g/t)

Regression Output:	
Constant	91.48431
Std Err of Y Est	3.7551792
R Squared	0.0899509
No. of Observations	36
Degrees of Freedom	34
X Coefficient(s)	-0.977337
Std Err of Coef.	0.5331315

Table 11. Free State Geduld mine. Statistical relationship between Mine Call Factor and stope grade.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	HOISTED GRADE (g/t)
Apr-92	83.65	10.2
May-92	83.2	9.59
Jun-92	82.36	10.62
Jul-92	76.24	9.52
Aug-92	86.22	8.59
Sep-92	84.64	9.26
Oct-92	82.47	9.95
Nov-92	82.33	9.97
Dec-92	83.71	10.73
Jan-93	78.02	10.37
Feb-93	80.15	9.31
Mar-93	83.94	9.23
Apr-93	76.53	9.78
May-93	76.68	10.12
Jun-93	71.1	11.29
Jul-93	74.46	10.42
Aug-93	80.71	8.75
Sep-93	75.37	9.1
Oct-93	76.86	10.63
Nov-93	73.02	12.3
Dec-93	75.25	11.41
Jan-94	77.83	10.71
Feb-94	81.52	8.75
Mar-94	81.74	8.68
Apr-94	77.14	8.28
May-94	80.72	8.4
Jun-94	71.31	9.45
Jul-94	76.65	9.23
Aug-94	76.64	8.61
Sep-94	79	9.32
Oct-94	72.74	11.39
Nov-94	77.12	10.06

MINE CALL FACTOR vs HOISTED GRADE (g/t)

Regression Output:	
Constant	96.152121
Std Err of Y Est	3.7272121
R Squared	0.1849859
No. of Observations	32
Degrees of Freedom	30
X Coefficient(s)	-1.774387
Std Err of Coef.	0.6799876

Table 12. Free State Geduld mine. Statistical relationship between Mine Call Factor and hoisted grade.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	GOLD CALLED FOR STOPE
Apr-92	83.65	1996.52
May-92	83.2	1810.75
Jun-92	82.36	2206.23
Jul-92	78.24	2105.91
Aug-92	86.22	1801.55
Sep-92	84.64	1957.48
Oct-92	82.47	2043.7
Nov-92	82.33	1893.75
Dec-92	83.71	2177.09
Jan-93	78.02	1956.09
Feb-93	80.15	1754.83
Mar-93	83.94	1834.22
Apr-93	76.53	1796.19
May-93	76.68	2115.54
Jun-93	71.1	2200.1
Jul-93	74.46	2025.95
Aug-93	80.71	1873.87
Sep-93	75.37	1911.11
Oct-93	76.86	1974.3
Nov-93	73.02	2278.17
Dec-93	75.25	2288.91
Jan-94	77.63	1939.36
Feb-94	81.52	1719.78
Mar-94	81.74	1549.65
Apr-94	77.14	1505.84
May-94	80.72	1367.49
Jun-94	71.31	1650.28
Jul-94	76.65	1595.43
Aug-94	76.84	1504.12
Sep-94	79	1676.77
Oct-94	72.74	1988.25
Nov-94	77.12	1720.86
Dec-94	80.8	1817.8
Jan-95	80.82	1757.5
Feb-95	80.78	1736.4
Mar-95	80.86	1806.9

MINE CALL FACTOR vs GOLD CALLED FOR STOPE (kg)

Regression Output:

Constant	84.16264
Std Err of Y Est	3.884476
R Squared	0.026203
No. of Observations	36
Degrees of Freedom	34
X Coefficient(s)	-0.00278
Std Err of Coef.	0.002908

Table 13. Free State Geduld mine. Statistical relationship between Mine Call Factor and gold called for (stopes).

FREE STATE GEDULD MINE

	MINE CALL FACTOR	TOTAL TONS HOISTED
Apr-92	83.85	209007
May-92	83.2	201522
Jun-92	82.36	219482
Jul-92	76.24	233096
Aug-92	86.22	223705
Sep-92	84.64	222661
Oct-92	82.47	219518
Nov-92	82.33	198677
Dec-92	83.71	213955
Jan-93	78.02	200084
Feb-93	80.15	208355
Mar-93	83.94	211613
Apr-93	76.53	194424
May-93	76.68	221913
Jun-93	71.1	208774
Jul-93	74.46	210269
Aug-93	80.71	228751
Sep-93	75.37	225326
Oct-93	76.86	197156
Nov-93	73.02	196396
Dec-93	75.25	215105
Jan-94	77.83	191621
Feb-94	81.52	206814
Mar-94	81.74	191302
Apr-94	77.14	189362
May-94	80.72	188927
Jun-94	71.31	195534
Jul-94	76.65	208608
Aug-94	76.64	207227
Sep-94	79	222454
Oct-94	72.74	225184
Nov-94	77.12	218207

MINE CALL FACTOR VS TOTAL TONS HOISTED

Regression Output:

Constant	70.97355
Std Err of Y Est	4.101039
R Squared	0.013301
No. of Observations	32
Degrees of Freedom	30
X Coefficient(s)	3.7E-05
Std Err of Coef.	5.82E-05

Table 14. Free State Geduld mine. Statistical relationship between Mine Call Factor and total tons hoisted.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	ORE HOISTED DISCREP
Apr-92	83.65	1820
May-92	83.2	14947
Jun-92	82.36	16835
Jul-92	76.24	30367
Aug-92	86.22	30132
Sep-92	84.64	20070
Oct-92	82.47	35896
Nov-92	82.33	22154
Dec-92	83.71	8806
Jan-93	78.02	22019
Feb-93	80.15	27192
Mar-93	83.94	34867
Apr-93	76.53	4094
May-93	76.68	33482
Jun-93	71.1	9273
Jul-93	74.46	33984
Aug-93	80.71	45810
Sep-93	75.37	46505
Oct-93	76.86	17275
Nov-93	73.02	24154
Dec-93	75.25	19882
Jan-94	77.83	23899
Feb-94	81.52	35987
Mar-94	81.74	21605
Apr-94	77.14	21758
May-94	80.72	13045
Jun-94	71.31	9992
Jul-94	76.65	24394
Aug-94	76.64	27644
Sep-94	79	29786
Oct-94	72.74	6716
Nov-94	77.12	29076

MINE CALL FACTOR VS ORE HOISTED DISCREPANCY (1)

Regression Output:

Constant	77.83938
Std Err of Y Est	4.105448
R Squared	0.011178
No. of Observations	32
Degrees of Freedom	30
X Coefficient(s)	3.84E-05
Std Err of Coef.	6.6E-05

Table 15. Free State Geduld mine. Statistical relationship between Mine Call Factor and ore hoisted discrepancy.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	REEF TONS HOISTED
Apr-92	83.65	198806
May-92	83.2	194561
Jun-92	82.36	213563
Jul-92	78.24	225178
Aug-92	86.22	214325
Sep-92	84.64	216031
Oct-92	82.47	212998
Nov-92	82.33	195243
Dec-92	83.71	206628
Jan-93	78.02	193374
Feb-93	80.15	200156
Mar-93	83.94	205189
Apr-93	76.53	185889
May-93	76.68	212282
Jun-93	71.1	198516
Jul-93	74.46	196458
Aug-93	80.71	216344
Sep-93	75.37	214122
Oct-93	76.86	188681
Nov-93	73.02	187849
Dec-93	75.25	205856
Jan-94	77.83	183287
Feb-94	81.52	199904
Mar-94	81.74	181647
Apr-94	77.14	185069
May-94	80.72	167547
Jun-94	71.31	177491
Jul-94	76.65	179285
Aug-94	76.64	176116
Sep-94	79	185683
Oct-94	72.74	177572
Nov-94	77.12	175271

MINE CALL FACTOR VS REEF TONS HOISTED

Regression Output:

Constant	59.32298
Std Err of Y Est	3.843536
R Squared	0.13332
No. of Observations	32
Degree of Freedom	30
X Coefficient(s)	9.9E-05
Std Err of Coef.	4.61E-05

Table 16. Free State Geduld mine. Statistical relationship between Mine Call Factor and reef tons hoisted.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	SWEEPINGS %
Apr-92	83.65	105.1
May-92	83.2	100.9
Jun-92	82.36	94.3
Jul-92	76.24	103.7
Aug-92	86.22	102.6
Sep-92	84.64	110.1
Oct-92	82.47	106.7
Nov-92	82.33	106.2
Dec-92	83.71	112.9
Jan-93	78.02	95.5
Feb-93	80.15	116.7
Mar-93	83.94	103.5
Apr-93	76.53	100.9
May-93	76.68	102.9
Jun-93	71.1	110.6
Jul-93	74.46	101.3
Aug-93	80.71	106.3
Sep-93	75.37	116.6
Oct-93	76.86	92.4
Nov-93	73.02	90.7
Dec-93	75.25	103.3
Jan-94	77.83	95.6
Feb-94	81.52	105.0
Mar-94	81.74	112.8
Apr-94	77.14	56.4
May-94	80.72	98.8
Jun-94	71.31	86.3
Jul-94	76.65	117.3
Aug-94	76.64	102.0
Sep-94	79	115.3
Oct-94	72.74	92.4
Nov-94	77.12	99.3

MINE CALL FACTOR VS SWEEPINGS %
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Regression Output:	
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Constant	69.05292
Std Err of Y Est	3.976787
R Squared	0.07185
No. of Observations	32
Degrees of Freedom	30
X Coefficient(s)	0.094857
Std Err of Coef.	0.062089

Table 17. Free State Geduld mine. Statistical relationship between Mine Call Factor and sweepings.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	TRAM WIDTH (cm)	STOPE WIDTH (cm)
Apr-92	83.85	134.6	122.4
May-92	83.2	147	122
Jun-92	82.36	148.7	122.9
Jul-92	76.24	157.1	120.7
Aug-92	86.22	158.1	122.1
Sep-92	84.64	146.4	118.3
Oct-92	82.47	156.6	115.1
Nov-92	82.33	149.4	119.1
Dec-92	83.71	138.2	119.1
Jan-93	78.02	147.2	116.7
Feb-93	80.15	153.4	118.4
Mar-93	83.94	160.2	118.5
Apr-93	76.53	136.5	120.6
May-93	76.68	150.1	122.7
Jun-93	71.1	137.3	119.8
Jul-93	74.46	158	118.8
Aug-93	80.71	160.3	114.7
Sep-93	75.37	164.9	116.7
Oct-93	76.86	147.1	118.3
Nov-93	73.02	147.2	117.4
Dec-93	75.25	146.2	119
Jan-94	77.83	150.1	119.5
Feb-94	81.52	157.7	117.6
Mar-94	81.74	148.6	117
Apr-94	77.14	149.3	119.1
May-94	80.72	149	125.3
Jun-94	71.31	140.6	122.7
Jul-94	76.65	150.8	117.9
Aug-94	76.64	158.8	122.1
Sep-94	79	160.3	121.6
Oct-94	72.74	138.3	122.1
Nov-94	77.12	149.5	116.8

MINE CALL FACTOR VS TRAM WIDTH (cm)

Regression Output:

Constant	65.29593
Std Err of Y Est	4.063224
R Squared	0.031413
No. of Observations	32
Degrees of Freedom	30
X Coefficient(s)	0.089375
Std Err of Coef.	0.090608

MINE CALL FACTOR VS STOPE WIDTH (cm)

Regression Output:

Constant	84.09293
Std Err of Y Est	4.127054
R Squared	0.000743
No. of Observations	32
Degrees of Freedom	30
X Coefficient(s)	-0.01165
Std Err of Coef.	0.300359

Table 18. Free State Geduld mine. Statistical relationship between Mine Call Factor and tram / stope width.

Table 19. Free State Geduld mine. Statistical relationship between Mine Call Factor and various variables.

FREE STATE GEDULD MINE

	MINE CALL FACTOR	STP WIDTH	GCF O/AREAS	AREA MINED	AREA SWEPT	CMG/T	C'RE HST DIS	TOTAL TONS	GRADE HST	REEF MTRS
Apr-92	83.65	122.4	21.07	46895	42533	1531	1820	209007	10.2	313.6
May-92	83.2	122	43.59	42333	37257	1539	14947	201522	9.59	199.9
Jun-92	82.36	122.9	42.43	48100	40164	1650	16835	219482	10.62	271
Jul-92	76.24	120.7	24.78	47304	42827	1601	30367	233096	9.52	267.7
Aug-92	86.22	122.1	32.09	43754	40255	1481	30132	223705	6.59	262.3
Sep-92	84.64	118.3	32.44	47080	46283	1496	20070	222661	9.26	303.2
Oct-92	82.47	115.1	64.71	44506	43085	1652	35896	219518	9.95	226.8
Nov-92	82.33	119.1	42.57	43389	41669	1570	22154	198677	9.97	205.8
Dec-92	83.71	119.1	33.32	50034	49796	1566	8806	213955	10.73	124.7
Jan-93	78.02	118.7	41.6	43614	36815	1613	22019	200084	10.37	142.7
Feb-93	80.15	118.4	90.42	42979	44846	1469	27192	208355	9.31	194.3
Mar-93	83.94	118.5	47.27	42751	38938	1543	34867	211613	9.23	234.7
Apr-93	76.53	120.6	12.39	45064	40276	1434	4094	194424	9.78	219
May-93	76.68	122.7	20.63	44425	39622	1713	33482	221913	10.12	218
Jun-93	71.1	119.8	21.07	46733	47327	1624	9273	208774	11.29	153.3
Jul-93	74.46	118.8	17.52	42184	38132	1728	33984	210269	10.42	136.1
Aug-93	80.71	114.7	15.05	46263	43000	1457	45810	228751	8.75	95
Sep-93	75.37	116.7	18.63	44499	45559	1545	46505	225326	9.1	118.4
Oct-93	76.66	118.3	25.84	43189	35300	1644	17275	197156	10.63	172.9
Nov-93	73.02	117.4	21.69	42833	34509	1913	24154	196396	12.3	191.5
Dec-93	75.25	119	47.26	46866	42622	1755	19882	215105	11.41	132.3
Jan-94	77.83	119.5	16.32	41600	35158	1677	23899	191621	10.71	112.5
Feb-94	81.52	117.6	16.85	42146	38706	1465	35887	206614	8.75	84.5
Mar-94	81.74	117	20.91	40900	40296	1363	21605	191302	8.68	136.6
Apr-94	77.14	119.1	14.28	41359	20754	1310	21758	189362	8.28	149.1
May-94	80.72	125.3	32.18	38071	32714	1292	13045	188927	8.4	129.9
Jun-94	71.31	122.7	19.81	42684	32534	1391	9992	195534	9.45	207
Jul-94	76.65	117.9	52.79	40459	42449	1418	24394	208608	9.23	148.6
Aug-94	76.64	122.1	39.4	37837	33391	1430	27644	207227	8.81	110.1
Sep-94	79	121.6	49.51	39831	39961	1514	29786	222454	9.32	110.2
Oct-94	72.74	122.1	26.39	43649	35578	1639	6716	225184	11.39	164.1
Nov-94	77.12	116.8	34.88	40727	35652	1520	26076	218207	10.06	99.5

Table 20. Free State Geduld mine. Statistical relationship between Mine Call Factor and various variables, results.

FREE STATE GEDULD - MULTIPLE VARIABLE REGRESSION OUTPUT										
Regression Output:										
Constant	164.99456241									
Std Err of Y Est	3.0537929002									
R Squared	0.5987846778									
No. of Observations	32									
Degrees of Freedom	22									
X Coefficient(s)	-0.64456752	0.0726637471	0.000249	0.000102	0.067117	-0.00052	1.41E-05	-12.1509	-0.01052	
Std Err of Coef.	0.3887110174	0.0389451062	0.000365	0.000161	0.024408	0.000216	7.51E-05	3.675788	0.015541	

WESTERN HOLDINGS MINE

	MINE CALL FACTOR	STOPE GRADE (g/t)
Apr-92	81.11	10.84
May-92	81.5	10.82
Jun-92	83.09	11.05
Jul-92	79.98	10.78
Aug-92	83.2	11.26
Sep-92	82.71	11.7
Oct-92	82.13	11.76
Nov-92	83.09	11.54
Dec-92	83.97	12.1
Jan-93	75.79	12.2
Feb-93	78.2	11.7
Mar-93	87.69	11.72
Apr-93	79.16	11.3
May-93	77.46	12.34
Jun-93	75.59	11.62
Jul-93	78.5	12.04
Aug-93	82.52	11.49
Sep-93	80.83	12.42
Oct-93	80.36	12.14
Nov-93	77.77	12.37
Dec-93	71.14	12.62
Jan-94	73.47	12.09
Feb-94	78.31	11.33
Mar-94	77.07	11.43
Apr-94	76.18	10.51
May-94	76.97	10.46
Jun-94	66.74	11.03
Jul-94	69.66	10.88
Aug-94	70.67	10.86
Sep-94	78.95	11.17
Oct-94	66.39	11.82
Nov-94	74.62	10.86
Dec-94	71.53	11.42
Jan-95	71.34	11.42
Feb-95	71.46	11.38
Mar-95	67.53	11.27
Apr-95	59.2	11.22
May-95	68.75	11.47
Jun-95	65.29	11.19
Jul-95	68.33	11.8
Aug-95	66.53	12.52
Sep-95	69.78	13.32

MINE CALL FACTOR vs STOPE GRADE (g/t)

Regression Output:	
Constant	78.79782
Std Err of Y Est	6.472715
R Squared	0.000724
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	-0.27809
Std Err of Coef.	1.633608

Table 21. Western Holdings Mine. Statistical relationship between Mine Call Factor and stope grade.

WESTERN HOLDINGS MINE

	MINE CALL FACTOR	HOISTED GRADE (g/t)
Apr-92	81.11	9.06
May-92	81.5	8.76
Jun-92	83.09	8.63
Jul-92	79.98	8.63
Aug-92	83.2	8.5
Sep-92	82.71	8.88
Oct-92	82.13	9.47
Nov-92	83.09	9.71
Dec-92	83.97	10.28
Jan-93	75.79	10.1
Feb-93	78.2	9.44
Mar-93	87.68	9.03
Apr-93	79.16	9.89
May-93	77.46	9.63
Jun-93	75.59	10
Jul-93	78.5	9.25
Aug-93	82.52	8.97
Sep-93	80.83	9.55
Oct-93	80.36	10.05
Nov-93	77.77	9.87
Dec-93	71.14	10.26
Jan-94	73.47	9.43
Feb-94	78.31	8.81
Mar-94	77.07	9
Apr-94	76.18	7.6
May-94	76.97	8.48
Jun-94	66.74	9.33
Jul-94	69.68	8.94
Aug-94	70.67	8.34
Sep-94	78.95	8.34
Oct-94	66.39	10.23
Nov-94	74.62	8.84
Dec-94	71.53	9.78
Jan-95	71.34	9.03
Feb-95	71.46	9.3
Mar-95	67.53	9.25
Apr-95	59.2	9.93
May-95	68.75	9.39
Jun-95	65.29	9.46
Jul-95	68.33	9.01
Aug-95	66.53	9.31
Sep-95	69.78	9.13

MINE CALL FACTOR vs HOISTED GRADE (g/t)
Regression Output:

Constant	94.09295
Std Err of Y Est	6.360681
R Squared	0.035017
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	-1.99939
Std Err of Coef.	1.659542

Table 22. Western Holdings Mine. Statistical relationship between Mine Call Factor and hoisted grade.

WESTERN HOLDINGS MINE

	MINE CALL FACTOR	GOLD CALLED FOR STOPES
Apr-92	81.11	3454.06
May-92	81.5	3340.79
Jun-92	83.09	3680.01
Jul-92	79.98	3656.72
Aug-92	83.2	3594.81
Sep-92	82.71	3800.41
Oct-92	82.13	3669.58
Nov-92	83.09	3798.1
Dec-92	83.97	4078.53
Jan-93	75.79	3911.43
Feb-93	78.2	3641.49
Mar-93	87.89	3541.17
Apr-93	79.16	3579.52
May-93	77.46	4033.55
Jun-93	75.59	3986.1
Jul-93	78.5	3765.09
Aug-93	82.52	3665.04
Sep-93	80.83	3912.82
Oct-93	80.36	3788.68
Nov-93	77.77	3674.06
Dec-93	71.14	4075.04
Jan-94	73.47	3580.4
Feb-94	78.31	3414.37
Mar-94	77.07	3270.11
Apr-94	76.18	2822.19
May-94	70.97	2823.36
Jun-94	66.74	3304.91
Jul-94	69.66	3215.88
Aug-94	70.67	3180.72
Sep-94	78.95	3155.14
Oct-94	66.39	3746.89
Nov-94	74.62	3266.56
Dec-94	71.53	3434.39
Jan-95	71.34	2962.7
Feb-95	71.46	3225.84
Mar-95	67.53	3021.07
Apr-95	69.2	2966.97
May-95	68.75	2940.13
Jun-95	65.29	2870.35
Jul-95	68.33	2760.16
Aug-95	66.53	2986.89
Sep-95	69.78	2884.47

MINE CALL FACTOR vs GOLD CALLED FOR STOPES (kg)

Regression Output:	
Constant	43.88189
Std Err of Y Est	5.307225
R Squared	0.328189
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.009195
Std Err of Coef.	0.00208

Table 23. Western Holdings Mine. Statistical relationship between Mine Call Factor and gold called for (stopes).

WESTERN HOLDINGS MINE

	MINE CALL FACTOR	TOTAL TONS HOISTED
Apr-92	81.11	426004
May-92	81.5	423097
Jun-92	83.09	463027
Jul-92	79.98	462935
Aug-92	83.2	464404
Sep-92	82.71	470408
Oct-92	82.13	451039
Nov-92	83.09	427538
Dec-92	83.97	436955
Jan-93	75.79	424352
Feb-93	78.2	429001
Mar-93	87.69	431245
Apr-93	79.16	398002
May-93	77.46	452485
Jun-93	75.59	436012
Jul-93	78.5	447525
Aug-93	82.52	454552
Sep-93	80.83	445168
Oct-93	80.36	411161
Nov-93	77.77	433602
Dec-93	71.14	437335
Jan-94	73.47	411555
Feb-94	78.31	415728
Mar-94	77.07	393566
Apr-94	76.18	384559
May-94	78.07	351036
Jun-94	86.74	370858
Jul-94	89.86	377555
Aug-94	70.87	399477
Sep-94	78.95	398606
Oct-94	86.39	384493
Nov-94	74.62	388489
Dec-94	71.53	373865
Jan-95	71.34	352892
Feb-95	71.46	377782
Mar-95	67.53	350363
Apr-95	59.2	328734
May-95	68.75	340438
Jun-95	65.29	331834
Jul-95	68.33	330008
Aug-95	66.53	326134
Sep-95	69.78	335420

MINE CALL FACTOR VS TOTAL TONS HOISTED

Regression Output:

Constant	27.38071
Std Err of Y Est	3.784046
R Squared	0.658473
No. of Observations	42
Degree of Freedom	40
X Coefficient(s)	0.000119
Std Err of Coef.	1.36E-05

Table 24. Western Holdings Mine. Statistical relationship between Mine Call Factor and total tons hoisted.

WESTERN HOLDINGS MINE

	MINE CALL FACTOR	ORE HOISTED DISCREP
Apr-92	81.11	9351
May-92	81.5	23667
Jun-92	83.09	49491
Jul-92	79.98	32120
Aug-92	83.2	57565
Sep-92	82.71	50249
Oct-92	82.13	38007
Nov-92	83.09	24062
Dec-92	83.97	10749
Jan-93	75.79	19736
Feb-93	78.2	35405
Mar-93	87.69	45723
Apr-93	79.16	-7496
May-93	77.46	41234
Jun-93	75.59	5060
Jul-93	78.5	47859
Aug-93	82.52	44825
Sep-93	80.83	48118
Oct-93	80.36	10995
Nov-93	77.77	34695
Dec-93	71.14	26336
Jan-94	73.47	30318
Feb-94	78.31	34074
Mar-94	77.07	21354
Apr-94	76.18	53035
May-94	76.97	14867
Jun-94	66.74	1619
Jul-94	69.86	14645
Aug-94	70.67	37091
Sep-94	78.95	44853
Oct-94	66.39	-8554
Nov-94	74.82	20167
Dec-94	71.53	-3819
Jan-95	71.34	29396
Feb-95	71.48	16105
Mar-95	67.53	4275
Apr-95	59.2	-9849
May-95	68.75	18436
Jun-95	65.29	5912
Jul-95	68.33	35259
Aug-95	66.53	29326
Sep-95	69.76	52299

MINE CALL FACTOR VS ORE HOISTED DISCREPANCY (1)

Regression Output:	
Constant	71.16691
Std Err of Y Est	5.625047
R Squared	0.245317
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.00017
Std Err of Coef.	4.73E-05

Table 25. Western Holdings Mine. Statistical relationship between Mine Call Factor and ore hoisted discrepancy.

WESTERN HOLDINGS MINE

	MINE CALL FACTOR	REEF TONS HOISTED
Apr-92	81.11	404339
May-92	81.5	406609
Jun-92	83.09	449107
Jul-92	79.98	447623
Aug-92	83.2	445375
Sep-92	82.71	451087
Oct-92	82.13	434295
Nov-92	83.09	413379
Dec-92	83.97	416824
Jan-93	75.79	407232
Feb-93	78.2	408958
Mar-93	87.89	414106
Apr-93	79.18	379851
May-93	77.46	434804
Jun-93	75.59	416625
Jul-93	78.5	424450
Aug-93	82.52	434420
Sep-93	80.83	427332
Oct-93	80.38	393801
Nov-93	77.77	412376
Dec-93	71.14	416188
Jan-94	73.47	393740
Feb-94	78.31	401217
Mar-94	77.07	379431
Apr-94	76.18	375454
May-94	78.87	345921
Jun-94	68.74	364100
Jul-94	69.86	372323
Aug-94	70.87	395428
Sep-94	78.95	392947
Oct-94	66.39	378525
Nov-94	74.62	383045
Dec-94	71.53	365246
Jan-95	71.34	345358
Feb-95	71.46	363622
Mar-95	67.53	341937
Apr-95	59.2	318198
May-95	66.75	329823
Jun-95	65.29	320777
Jul-95	68.33	322947
Aug-95	66.53	319349
Sep-95	69.78	328232

MINE CALL FACTOR VS REEF TONS HOISTED

Regression Output:

Constant	24.40517
Std Err of Y Est	3.830768
R Squared	0.649987
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.000131
Std Err of Coef.	1.52E-05

Table 26. Western Holdings Mine. Statistical relationship between Mine Call Factor and reef tons hoisted.

WESTERN HOLDINGS MINE

MINE CALL FACTOR VS SWEEPINGS %

	MINE CALL FACTOR	SWEEPINGS %
Apr-92	81.11	98.3
May-92	81.5	102.9
Jun-92	83.09	98.4
Jul-92	79.98	108.4
Aug-92	83.2	94.9
Sep-92	82.71	110.9
Oct-92	82.13	110.6
Nov-92	83.09	102.4
Dec-92	83.97	107.9
Jan-93	75.79	97.9
Feb-93	78.2	105.9
Mar-93	87.49	116.4
Apr-93	79.16	94.5
May-93	77.46	104.2
Jun-93	75.59	101.1
Jul-93	78.5	108.7
Aug-93	82.52	106.0
Sep-93	80.83	107.6
Oct-93	80.36	100.5
Nov-93	77.77	100.2
Dec-93	71.14	103.8
Jan-94	73.47	98.5
Feb-94	78.31	107.2
Mar-94	77.07	105.0
Apr-94	76.18	43.1
May-94	76.97	96.5
Jun-94	66.74	92.2
Jul-94	69.66	122.9
Aug-94	70.67	105.8
Sep-94	78.95	115.1
Oct-94	66.39	92.6
Nov-94	74.62	123.3
Dec-94	71.53	108.9
Jan-95	71.34	101.6
Feb-95	71.46	107.3
Mar-95	67.53	93.2
Apr-95	59.2	102.9
May-95	68.75	104.2
Jun-95	65.29	85.6
Jul-95	68.33	94.7
Aug-95	66.53	94.2
Sep-95	69.78	82.3

Regression Output:

Constant	93.61374
Std Err of Y Est	6.299788
R Squared	0.053405
No. of Observations	42
Degrees of Freedom	40
X Coefficient(s)	0.118066
Std Err of Coef.	0.078593

Table 27. Western Holdings Mine. Statistical relationship between Mine Call Factor and sweepings.

Author De Jager E J

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