

HARMONY MINERAL RESOURCES AS @ JUNE 2017

GOLD

OPERATIONS	
Tshepong Operations	
Bambanani	
Unisel	
Doomkop SR	
Doomkop MR	
TOTAL (Doomkop)	
Kusasaletu	
Target 1	
Target 3	
Masimong	
Joel	
TOTAL SA U/G OPS	

Measured				Indicated				Inferred				Total Mineral Resource			
tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)
24 590 418	11.21	275 734	8 865	11 874 577	10.27	121 896	3 919	34 347 831	9.25	317 733	10 215	70 812 827	10.10	715 362	22 999
936 772	15.15	14 196	456	-	-	-	-	-	-	-	-	936 772	15.15	14 196	456
1 338 977	7.02	9 400	302	1 214 794	6.93	8 420	271	64 437	6.54	422	14	2 618 208	6.97	18 241	586
2 762 137	8.04	22 208	714	3 593 969	8.07	28 990	932	10 585 187	7.78	82 361	2 648	16 941 292	7.88	133 559	4 294
80 896	5.38	435	14	45 963	5.51	253	8	16 953	5.32	90	3	143 812	5.41	778	25
2 843 032	7.96	22 643	728	3 639 932	8.03	29 243	940	10 602 140	7.78	82 451	2 651	17 085 104	7.86	134 337	4 319
3 138 277	12.08	37 924	1 219	20 041 654	8.70	174 295	5 604	1 926 431	8.77	16 903	543	25 106 362	9.13	229 123	7 366
7 849 319	8.27	64 887	2 086	7 036 100	7.78	54 763	1 761	4 181 882	5.79	24 226	779	19 067 302	7.55	143 876	4 626
7 027 210	9.10	63 965	2 057	4 655 267	7.10	33 059	1 063	-	-	-	-	11 682 476	8.31	97 025	3 119
3 528 916	6.80	24 001	772	976 579	5.29	5 166	166	273 615	3.18	870	28	4 779 109	6.28	30 037	966
2 628 347	8.40	22 066	709	5 194 228	8.51	44 207	1 421	180 948	8.06	1 458	47	8 003 523	8.46	67 731	2 178
53 881 268	9.93	534 817	17 195	54 633 131	8.62	471 049	15 145	51 577 285	8.61	444 063	14 277	160 091 684	9.06	1 449 929	46 616

SA SURFACE SOURCES

Kalgold	
Phoenix	
St Helena	
Central	
Other :	
WRD	
Tailings	
TOTAL	
Kalgold Tailings Dam	
TOTAL SA S/SOURCES(Incl Kalgold)	

5 447 558	0.84	4 587	147	29 941 456	0.96	28 821	927	6 245 125	0.99	6 171	198	41 634 138	0.95	39 580	1 273
73 007 422	0.28	20 108	646	-	-	-	-	-	-	-	-	73 007 422	0.28	20 108	646
191 348 359	0.27	51 517	1 656	-	-	-	-	-	-	-	-	191 348 359	0.27	51 517	1 656
-	-	-	-	67 334 859	0.27	17 852	574	-	-	-	-	67 334 859	0.27	17 852	574
-	-	-	-	3 911 476	0.51	1 996	64	19 793 299	0.42	8 391	270	23 704 775	0.44	10 387	334
-	-	-	-	548 325 196	0.23	125 271	4 028	15 459 021	0.19	2 937	94	563 784 218	0.23	128 208	4 122
-	-	-	-	552 236 672	0.23	127 267	4 092	35 252 320	0.32	11 328	364	587 488 992	0.24	138 595	4 456
-	-	-	-	-	-	-	-	23 802 213	0.26	6 263	201	23 802 213	0.26	6 263	201
269 803 339	0.28	76 212	2 450	649 512 987	0.27	173 940	5 592	65 299 659	0.36	23 762	764	984 615 984	0.28	273 914	8 807

TOTAL SA S/SOURCES (Excl Kalgold)

264 355 781	0.27	71 625	2 303	619 571 531	0.23	145 119	4 666	35 252 320	0.32	11 328	364	919 179 633	0.25	228 072	7 333
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TOTAL SA OPS (U/g & Surface) Incl Kalgold

323 684 607		611 029	19 645	704 146 118		644 989	20 737	116 876 943		467 825	15 041	1 144 707 668		1 723 843	55 423
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HARMONY MINERAL RESERVES AS @ JUNE 2017

GOLD

OPERATIONS

Tshepong Operations
Bambanani
Unisel
Doornkop SR
Kusasaletu
Target 1
Masimong
Joel
TOTAL SA U/G OPS

Proved				Probable				Total Mineral Reserves			
tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)
21 044 490	5.91	124 467	4 002	4 553 374	5.36	24 428	785	25 597 864	5.82	148 895	4 787
1 080 022	11.54	12 468	401	-	-	-	-	1 080 022	11.54	12 468	401
1 161 921	4.56	5 300	170	887 557	4.60	4 081	131	2 049 478	4.58	9 381	302
2 149 374	4.97	10 673	343	2 459 448	4.96	12 189	392	4 608 822	4.96	22 862	735
4 292 445	6.95	29 832	959	647 753	6.18	4 004	129	4 940 198	6.85	33 835	1 088
3 204 704	4.18	13 387	430	1 988 238	4.29	8 529	274	5 192 942	4.22	21 916	705
2 082 946	4.19	8 734	281	298 659	3.23	965	31	2 381 605	4.07	9 699	312
2 086 418	5.00	10 422	335	2 441 403	5.35	13 071	420	4 527 821	5.19	23 493	755
37 102 321	5.80	215 281	6 921	13 276 431	5.07	67 268	2 163	50 378 753	5.61	282 549	9 084

SA SURFACE SOURCES

Kalgold
Phoenix
St Helena
Central
Other : WRD
Tailings
TOTAL
TOTAL SA S/SOURCES(Incl Kalgold)

4 474 522	0.96	4 277	138	22 138 107	1.12	24 758	796	26 612 629	1.09	29 035	934
73 007 422	0.28	20 108	646	-	-	-	-	73 007 422	0.28	20 108	646
108 560 756	0.27	29 029	933	-	-	-	-	108 560 756	0.27	29 029	933
-	-	-	-	67 334 859	0.27	17 852	574	67 334 859	0.27	17 852	574
-	-	-	-	3 911 476	0.51	1 996	64	3 911 476	0.51	1 996	64
-	-	-	-	548 325 196	0.23	125 271	4 028	548 325 196	0.23	125 271	4 028
-	-	-	-	552 236 672	0.23	127 267	4 092	552 236 672	0.23	127 267	4 092
186 042 700	0.29	53 415	1 717	641 709 638	0.26	169 877	5 462	827 752 338	0.27	223 291	7 179

TOTAL SA S/SOURCES (Excl Kalgold)

181 568 178	0.27	49 137	1 580	619 571 531	0.23	145 119	4 666	801 139 709	0.24	194 256	6 245
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TOTAL SA OPS (U/g & Surface) Incl Kalgold

223 145 021		268 696	8 639	654 986 069		237 144	7 624	878 131 091		505 841	16 263
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PAPUA NEW GUINEA

Hidden Valley/Kaveroi	429 678	1.04	446	14	24 383 940	1.63	39 707	1 277	24 813 618	1.62	40 153	1 291
Hamata	64 516	1.09	70	2	1 338 375	2.17	2 903	93	1 402 891	2.12	2 974	96
Golpu ¹	-	-	-	-	189 567 063	0.91	171 744	5 522	189 567 063	0.91	171 744	5 522
TOTAL PAPUA NEW GUINEA	494 194	1.04	516	17	215 289 378	1.00	214 355	6 892	215 783 572	1.00	214 870	6 908

TOTAL HARMONY MINERAL RESERVES

223 639 215	269 212	8 655	870 275 447	451 499	14 516	1 093 914 663	720 711	23 171
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OTHER METALS

PAPUA NEW GUINEA

SILVER	tonnes	g/t	silver (kg)	silver (000oz)	tonnes	g/t	silver (kg)	silver (000oz)	tonnes	g/t	silver (kg)	silver (000oz)
Hidden Valley	429 678	19.73	8 475	272	24 383 940	34.23	834 650	26 835	24 813 618	33.98	843 125	27 107
TOTAL	429 678	19.73	8 475	272	24 383 940	34.23	834 650	26 835	24 813 618	33.98	843 125	27 107

COPPER

	tonnes	%	Cu (000t)	Cu (Mlb)	tonnes	%	Cu (000t)	Cu (Mlb)	tonnes	%	Cu (000t)	Cu (Mlb)
Golpu ¹	-	-	-	-	189 567 063	1.26	2 390	5 269	189 567 063	1.26	2 390	5 269
TOTAL	-	-	-	-	189 567 063	1.26	2 390	5 269	189 567 063	1.26	2 390	5 269

GOLD EQUIVALENTS

SILVER: as gold equivalents

	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)
Hidden Valley	429 678		127	4	24 383 940		12 520	403	24 813 618		12 647	407
TOTAL	429 678		127	4	24 383 940		12 520	403	24 813 618		12 647	407

COPPER: as gold equivalents

	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)	tonnes	g/t	gold (kg)	gold (000oz)
Golpu ¹	-		-	-	189 567 063		409 581	13 168	189 567 063		409 581	13 168
TOTAL	-		-	-	189 567 063		409 581	13 168	189 567 063		409 581	13 168

Total silver and copper as gold equivalents

429 678	127	4	213 951 003	422 100	13 571	214 380 681	422 228	13 575
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Total PNG (including gold equivalents)

494 194	643	21	215 289 378	636 455	20 462	215 783 572	637 098	20 483
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TOTAL HARMONY MINERAL RESERVES (incl gold equivalents)

	tonnes	gold equivalents (kg)	gold equivalents (000oz)	tonnes	gold equivalents (kg)	gold equivalents (000oz)	tonnes	gold equivalents (kg)	gold equivalents (000oz)
TOTAL HARMONY MINERAL RESERVES (incl gold equivalents)	223 639 215	269 339	8 659	870 275 447	873 599	28 087	1 093 914 663	1 142 938	36 746

¹ Represent Harmony's equity portion of 50%