

Table 1: Results of the Analysis of Gold Mining Resource Rents for South Africa. 1910 - 2000

Year	Per Unit	Total	Income	Capital Allowance	Income Tax	Government
	Resource rent	Resource rent			collections	Formula Tax
	RAND/ kg	RAND		RAND/Kg	(R '000)	(R '000)
1910	-54.8931161	-12341377.76	-53.21537336	-1.677742746	923000	40000
1911	-33.6173428	-8257024.504	-32.55904452	-1.058298285	1212000	60078
1912	-24.31572438	-6620354.74	-23.52728348	-0.788440902	1501000	252566
1913	65.14477348	17083135.44	62.96907486	2.175698625	2326000	304618
1914	62.99082569	15739643.6	60.82395156	2.166874131	2450000	351736
1915	59.97285782	16364691.76	57.8479096	2.124948224	2336000	386080
1916	56.98501471	15901127	54.90535874	2.079655973	2880000	374016
1917	48.26505565	13082586.02	46.45079004	1.814265612	3284000	383046
1918	28.49478587	7265805.665	27.39154415	1.103241729	3308000	725574
1919	21.54172166	5434735.107	20.68266281	0.859058852	2728000	1194388
1920	83.38149041	20616890.64	79.95657866	3.42491175	3558000	1671610
1921	64.46259264	15888778.51	61.73534406	2.727248585	4596000	2217022
1922	48.00272144	10172419.91	45.91092201	2.091799433	4346000	2117632
1923	78.35259499	21700370.17	74.83581832	3.516776677	3398000	1869354
1924	90.40899401	26299262.13	86.22934062	4.179653384	5036000	2687662
1925	69.94107845	20332906.63	66.61066478	3.330413666	6404000	3622132
1926	73.71576726	21993489.85	70.10030801	3.615459244	5822000	3819854
1927	74.47774158	22335189.5	70.71532566	3.762415922	6738000	4656980
1928	73.55264656	22512994.06	69.72549348	3.827153079	6402000	4310122
1929	75.25445303	23165089.12	71.22127904	4.033173989	6382000	4278312
1930	79.15185575	24956611.78	74.78254352	4.36931223	6394000	4252436
1931	78.7725548	25200553.38	74.29372937	4.478825422	6636000	4457510
1932	82.72783846	28098758.52	77.88301334	4.844825121	6932000	4666682
1933	193.8722295	62363170.87	182.1777941	11.69443536	8530000	5029266
1934	202.6730891	61634568.6	190.0810239	12.59206523	29090000	9777176
1935	183.8047582	59793599.4	172.0423877	11.76237042	26410000	10112530
1936	166.4418635	57027809.24	155.4710736	10.97078986	28600000	9422172
1937	159.2543844	56118649.22	148.4424364	10.81194803	27294000	8789846
1938	155.5477682	56640588.79	144.6706572	10.87711101	27182000	8418138
1939	186.8382457	71782002.18	173.3811053	13.45714036	25184000	6933102
1940	214.0613623	90120111.79	198.180923	15.88043925	33274000	7151546
1941	201.7315139	87073675.93	186.3168096	15.41470431	52698000	8075378
1942	196.9721815	83151215.5	181.4696162	15.50256533	53842000	6998244
1943	186.995569	71433878.1	171.8366854	15.15888351	54562000	5874180
1944	165.3699096	60771473.88	151.5619466	13.80796297	46618000	4487984
1945	153.1770056	56075804.1	140.0034222	13.17358339	40282000	2876112
1946	117.839398	42011725.1	107.4008982	10.43849985	36032000	2791200
1947	73.54398335	24477364.51	66.83383769	6.710145659	22732000	2035632
1948	80.52575348	27776432.62	72.95817697	7.567576516	12641000	1544382
1949	129.077613	45020799.94	116.5833635	12.49424949	14813000	1774704
1950	229.2919104	79771205.93	206.4314377	22.86047267	23749000	2364292
1951	187.5927049	64293760.29	168.3285641	19.26414077	45359000	4781372
1952	152.3537495	53547604.74	136.238981	16.11476844	45829000	4661940
1953	119.9833272	42696018.98	106.9117182	13.07160898	32438000	3674380
1954	120.7763554	47641984.65	107.2236096	13.55274578	24836000	2795080

Table 1 Continued: Results of the Analysis of Gold Mining Resource Rents for South Africa. 19 - 2000

Year	Per Unit	Total	Income	Capital Allowance	Income Tax	Government
	Resource rent	Resource rent			collections	Formula Tax
	RAND/ kg	RAND		RAND/Kg	(R '000)	(R '000)
1955	125.9995434	55233424.42	111.4365193	14.56302408	29442000	3096670
1956	129.8644134	62097902.88	114.4043959	15.46001743	33965000	3763650
1957	156.8521783	80696838.12	137.6191531	19.23302518	33064000	4033018
1958	161.3577478	86092313.37	140.9786903	20.37905747	35141000	4517052
1959	210.8661157	128747701.9	183.4353271	27.43078862	37152000	4841096
1960	233.5350774	151972110.9	202.2439766	31.29110081	53826000	6626630
1961	265.4645772	181266991.4	228.8281999	36.63637731	72557000	1703159
1962	282.8598522	214699707.6	242.6516663	40.20818594	84785000	1693273
1963	290.5386441	238179222.3	247.9999357	42.53870842	107501000	2328914
1964	304.7906589	265623809.6	258.8265049	45.96415407	117312000	3021652
1965	301.6284559	277008063.3	254.7765616	46.85189426	120699000	3164480
1966	291.7024175	271366529.3	245.0330305	46.66938701	128489000	3581804
1967	271.3505436	250163059	226.6348482	44.71569538	127978000	3522724
1968	257.9095494	244589759.1	214.1337646	43.77578476	122238000	3264581
1969	288.396952	274958576.9	237.977931	50.41902099	117473000	3257284
1970	235.185863	232583131.6	192.8359834	42.34987959	127209000	3331196
1971	273.4539218	263842344.5	222.735895	50.7180267	117213000	3194270
1972	520.3049534	467859723	420.9079305	99.39702295	130929000	3287140
1973	1113.728286	940225679.4	894.583122	219.1451639	215037000	5330271
1974	2086.587799	1567926756	1663.698662	422.8891371	456386000	1043198
1975	1729.251352	1212557273	1368.269628	360.9817239	756804000	1817642
1976	1166.36048	819339661.5	915.5780472	250.7824329	641556000	1754745
1977	1570.909053	1080428361	1223.010532	347.8985211	408029000	1119354
1978	2661.021986	1839927196	2054.024032	606.9975945	445126000	9750275
1979	4948.286717	3387047332	3785.685307	1162.60141	861913000	1958621
1980	11102.08596	7270312013	8415.394471	2686.691491	1501585000	3342700
1981	7427.589572	4723208666	5576.197769	1851.391804	3632951000	8381950
1982	6636.153752	4263845582	4932.410679	1703.743073	2131283000	5891576
1983	7711.414665	5049363378	5672.218784	2039.195881	1645998000	3678267
1984	8360.413748	5445210209	6083.272953	2277.140795	2221594000	5206283
1985	12349.54077	7866635239	8884.964342	3464.576424	1973794000	3748711
1986	13854.55455	8395145163	9851.153219	4003.401332	3052810000	5993135
1987	12641.64593	7189754082	8879.138124	3762.507804	3178891000	6554091
1988	12953.38309	7533822323	8982.434895	3970.948199	2625154000	5505221
1989	8648.493597	4928632936	5917.701076	2730.792521	2176537000	4818669
1990	6093.409357	3446759549	4111.673277	1981.73608	1343100000	3270278
1991	5568.056086	3129375586	3702.852305	1865.203781	827487000	1831199
1992	4876.372784	2800592078	3193.866057	1682.506727	674611000	1509015
1993	9760.734958	5641810222	6291.931804	3468.803154	488814000	6731156
1994	11451.53624	6151153758	7259.759807	4191.776436	818579000	1960867
1995	6110.684968	2951526224	3806.796349	2303.888618	1348097000	1754222
1996	10617.73694	4892288994	6494.476468	4123.260473	991639000	9795867
1997	1903.169045	877111614.6	1141.925892	761.2431531	507695000	21116
1998	6317.07753	2663608375	3714.525229	2602.552301	332499000	0
1999	5958.670619	2380426942	3430.130417	184356000	-4291000	
2000	15512.80166	4313663373	8732.516678	6780.284983	0	

Table 2: Data used in the analysis of resource rent and its components

Year	Tonnes milled ('000)	Total gold output Kg	Value of Production RAND	Total Working Costs RAND	Depreciation 1886 to 2000 RAND	Opportunity Cost of Capital RAND	Resource rent RAND
910	19443	224825.6	63983000	65630312	6973296.933	3720768.83	-12341377.76
911	21671	245618	70098000	67792712.7	7013576.2	3548735.604	-8257024.504
912	23121	272266.4	77383000	73498840	7094050.8	3410463.94	-6620354.74
913	23250	262233.4	74749000	47256014	7156101.4	3253749.158	17083135.44
914	23316	249872	71328000	45309690	7199618.067	3079048.336	15739643.6
915	25687	272868.3	77276000	50810570	7218836.067	2881902.174	16364691.76
916	25878	279040.5	78982000	53101636	7263858.133	2715378.87	15901127
917	24723	271057.1	76615000	53715674	7253021.067	2563718.918	13082586.02
918	22610	254987.2	71500000	54637200	7131640.533	2465353.802	7265805.665
919	21812	252288.8	70781000	56072158	6877923.867	2396183.026	5434735.107
920	21860	247259.8	91212000	61629722	6762291.6	2203095.758	20616890.64
921	21229	246480.6	86164000	61446678	6766499.133	2062044.354	15888778.51
922	17702	211913.4	64687000	45840832	6742983.667	10172419.91	10172419.91
923	24076	276957.9	83150000	53106188	6580321.533	1763120.298	21700370.17
924	25591	290892.1	89479000	55216312	6336068.8	1627357.074	26299262.13
925	25676	290714.8	81536000	54164020	5534042.2	1505031.168	20332906.63
926	26749	298355.3	84570000	55887780	5261576.533	1427153.612	21993489.85
927	26430	299890.8	85995000	56986254	5240909.2	1432647.296	22335189.5
928	27256	306080	87946000	59196302	4946830.933	1289873.008	22512994.06
929	27272	307823.5	88457000	59639072	4411607.867	1241231.012	23165089.12
930	28231	315300.4	91040000	60446536	4422175.267	1214676.954	24956611.78
931	29044	319915.4	92412000	61786318	4286660.133	1138468.49	25200553.38
932	31268	339653	98195000	65510314	3457931.067	1127996.418	28098758.52
933	33007	321671.5	137373000	69892288	3655847.867	1461693.262	62363170.87
934	35507	304108.3	144622000	75222246	4912801.9	2852383.504	61634568.6
935	40129	325310.4	153066000	83547312	6349990.8	3375097.804	59793599.4
936	43745	342629	158990000	90635822	7562472.6	3763896.156	57027809.24
937	46018	352383.7	165113000	96016482	8817259.933	4160608.848	56118649.22
938	48838	364136.3	173339000	103449800	9102491.467	4146119.74	56640588.79
939	52925	384193.3	197886000	113218824	8821249.733	4063924.085	71782002.18
940	58527	421001.3	235981000	133364732	8612185.067	3883971.14	90120111.79
941	61013	431631.5	242049000	142266912	8805905.8	3902506.273	87073675.93
942	60763	422147	237331000	141600136	8801025.667	3778622.83	83151215.5
943	54388	382008.4	215114000	131352560	8738986.267	3588575.629	71433878.1
944	53074	367488.1	206298000	133363884	8731484.933	3431157.188	60771473.88
945	53431	366085	210569000	139882122	10120337.4	4490736.491	56075804.11
946	51644	356516.8	205744000	145841762	11984670	5905842.898	42011725.1
947	48727	332826.2	193205000	142618272	16499360.07	9610003.423	24477364.51
948	50154	344938.5	199839000	144767876	17298683.6	9996007.782	27776432.62
949	51602	348788.6	229730000	153335286	19646826.2	11727087.86	45020799.94
950	53991	347902.4	289552000	175913286	21252830.33	79771205.93	199598815
951	53205	342730.6	285896000	186675612	22089098.6	12837529.11	64293760.29
952	54432	351468.9	294261000	205050006	22760923.53	12902465.73	53547604.74
953	53317	355849.6	295130000	214613912	24224896.6	13595172.42	42696018.98
954	56567	394464.5	329351000	240870002	26160329.8	14678683.55	47641984.65

Table 2 Continued: Data used in the analysis of resource rent and its components

Year	Tonnes milled ('000)	Total gold output Kg	Value of Production RAND	Total Working Costs RAND	Depreciation 1886 to 2000 RAND	Opportunity Cost of Capital RAND	Resource rent RAND
1955	59829	438362.1	365491000	266322208	28173889.4	15761478.18	5
1956	61257	478174.9	396999000	289527646	29313578.27	16059872.86	6
1957	59978	514477	425170000	299743944	29313760.53	15415457.35	8
1958	59459	533549.3	440049000	307653442	30584186.53	15719058.1	8
1959	63932	610566.1	500272000	320092966	33733809.27	17697522.83	1
1960	64645	650746.4	536019000	331704600	34666829.47	17675459.63	1
1961	61113	682829.3	574900000	340148418	35767258.73	17717331.86	1
1962	64234	759032.1	636582000	367391625	36790636.47	17700030.89	2
1963	66813	819785	686312000	392975555	37461647.07	17695575.6	2
1964	67927	871495.9	730490000	411335684	36330122.13	17200384.25	2
1965	68940	918375.1	766549000	436045675	36129661.87	17365599.79	2
1966	67962	930285.5	776197000	450614725	36465112.13	17750633.59	2
1967	68094	921918.4	768098000	462566533	37020369.47	18348038.52	2
1968	69564	948354.8	784859000	482372214	38761145.07	19135881.82	2
1969	71333	953403.2	840504000	504486252	40955968.33	20103202.77	2
1970	74467	988933.3	831223000	533736000	43665634.67	21238233.73	2
1971	73615	964851.2	899006000	566237000	46387170.77	22539484.69	2
1972	72046	899202.9	1159916000	618443000	49619373.53	23993903.48	4
1973	75154	844214.6	1789290000	770326000	53147688	25590632.61	9
1974	74884	751431	2619813000	962538000	59665413.67	29682830.2	1
1975	74409	701203.6	2560395000	1243584000	67902604.47	36351122.07	1
1976	76242	702475.5	2380170000	1437104000	78494666.47	45231672.07	8
1977	74540	687772.7	2814991000	1590818000	88251945.33	55492693.71	1
1978	78157	691436.3	3900033000	1891965000	102268453.6	65872350.11	1
1979	83529	684488.9	5842003000	2251438000	121624895.2	81892773.25	3
1980	89915	654860	10374745000	2848658000	150744148	105030838.8	7
1981	91860	635900.6	8488231000	3438481000	190570490.2	135970844.1	4
1982	94996	642517.6	8785949000	4123711000	231689499.1	166702919.1	4
1983	99910	654790.8	10307362000	4780268000	277112786.5	200617835.5	5
1984	101128	651308.7	11486707000	5471480000	329948799.1	240067991.6	5
1985	104562	636998.2	15139683000	6595785000	391600422.4	285662338.9	7
1986	107674	605948.4	17175698000	7965611000	470916678.3	344025158.5	7
1987	107634	568735.6	17500142000	9354660000	553671061.6	402056856.7	8
1988	112673	581610.4	19675593000	11035179000	642614846	463976831.3	7
1989	113690	569883.4	19387825000	13211117000	727023116.3	521051947.8	4
1990	111175	565653.7	19239332000	14413043000	808477261.5	571052190	3
1991	107352	562023	19224462000	14612761000	875860952.9	606464461.4	3
1992	106400	574318.7	19468321000	15077350000	947152413.1	643226509	2
1993	103297	578010.8	23182634000	15837673000	1022093133	681057645	5
1994	98852	537146.6	25081290000	17094892000	1108849100	726395142	6
1995	98815	483010.7	23218642000	18301764000	1195572633	769779143	2
1996	93724	460765.7	26373389000	19387812000	1287825567	805462439.7	4
1997	93270	460869	24222178000	21108914000	1383882767	852269618.7	8
1998	82874	421652	24353164000	19367220000	1451037067	871298558.7	2
1999	86552	399489.6	24679043000	19875083000	1527164533	896368524.7	2
2000	83956	278071.2	25272140833	18431782000	1606136300	920559159.7	4