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POPULATION DISTRIBUTION, TRENDS  
AND PROJECTIONS FOR WITWATERSRAND  
MUNICIPALITIES AND MAGISTERIAL DISTRICTS.

F.P. 57.58

(supersedes FP 47 which  
is to be withdrawn from  
circulation)

March 1973

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## EXPLANATORY NOTES

### Introduction

While every attempt has been made to present as accurate a picture as possible in regard to the projected populations of the Reef municipalities and magisterial areas, there are certain circumscribing factors which limit the degree of accuracy. These are:-

- (a) the short projection base of 1960 - 1970;
- (b) the fact that immigration during this decade exceeded all others in the post-war period.  
Linked with this is the decline so far in the present decade of the number of immigrants entering the country.
- (c) the slowing down of the expansion of work opportunities;
- (d) the changes that occurred in the 1960 and 1970 census in respect of the creation of new municipalities and of boundaries of existing municipal and magisterial boundaries.

In regard to this last issue, adjustments have been made to the data to bring the figures relating to the intercensal population to a comparable basis.

The tabulations that are attached provide the distribution of population of the municipalities and magisterial districts of the Witwatersrand for the years 1960 and 1970, the rate of growth or decline and projections thereafter to the years 2000 and 2020.

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POPULATION DISTRIBUTION, TRENDS AND PROJECTIONS  
FOR WITWATERSRAND MUNICIPALITIES AND MAGISTERIAL  
DISTRICTS.

Procedure Adopted

1. The magisterial district projections contained in this report were calculated first. When difficulties were encountered afterwards in projecting municipal figures, or if annual growth rates seemed too high, the magisterial projections were used to provide alternative growth rates.
  
2. The general procedure for deriving the projections was as follows:
  - (a) To establish accurately the 1960 and 1970 census figures and local authority figures for the population of the municipalities and magisterial districts.
  - (b) The annual growth rate was calculated for the period 1960 to 1970.
  - (c) This historical growth rate was then projected from 1970 to 2000 to arrive at preliminary population figures for the year 2000.
  - (d) The projected total population of the Witwatersrand in 2000 was accepted as the most accurate projection, and the totals for each race group were then adjusted to sum up to the regional total. Adjustments were kept to a minimum with the magisterial figures being used as a guide for the municipal projections.
  - (e) The same procedure as in (d) was repeated. The sub-regional totals and their breakdown by race were adjusted to add up to the regional total and its racial breakdown, then totals for the individual towns or districts were adjusted using the sub-regional totals as constants.

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- (f) Certain modifications were necessary in individual cases to take account of : (i) Group Areas - in some towns the Asian and Coloured populations decline to 0, as they are moved out to group areas in other towns whose population, as a consequence, grows enormously over the period of reception, tailing off as the towns of origin are emptied of their Asian and Coloured population.

It is artificial movement of this nature, for example, that accounts for the change of direction in the growth of the Coloured population of Brakpan municipality after 1970.

(ii) Certain townships included by Census in a municipal area, are actually situated in other municipal areas. For the 1970 municipal figures, township transfers have been made as listed under Data Source at the end of this report. In some cases the municipalities' own figures were accepted in place of the census figures.

- (g) The procedure outlined above was repeated for the projections to 2020.
- (h) A final comparison of magisterial and municipal projections was made resulting in further slight adjustments to both sets of data.

It is to be noted also that overlapping occurs between municipal and magisterial district boundaries. Where this happens, the municipal population may bear little relation to the corresponding magisterial district population. Particular examples are the overlap of Johannesburg municipality into surrounding magisterial districts, the inclusion of the Germiston controlled Tembisa Bantu township in Kempton Park magisterial district, and the inclusion of part of the Springs controlled Kwa-Thema Bantu township in Brakpan district.

In following the above procedure, projections in general tended towards the mean of the sub-region or region; the figure for which most validity may be expected.

## DATA SOURCE

### Municipal Populations

#### Central Area

Johannesburg	1960	Census figures for Johannesburg and Soweto
	1970	Census figures plus newer incorporated townships
Randburg		Census figures
Sandton	1960	Figures for Coloureds, Asians and Bantu were obtained by apportioning a non-White census figure for 1960, in the same ratios as they occur in 1970. Whites from census.
	1970	Census figures

#### West Rand

Krugersdorp		Census figures
Randfontein	1960	Census figures
	1970	Municipality figures for Coloureds, Asians and Bantu; Magisterial Figure For Whites.
Roodepoort	1960	Census figures
	1970	Municipality figures

#### East Rand

Alberton	1960	Census figures
	1970	Census + Tokoza township - Dinwiddie township
Benoni		Census figures
Boksburg	1960	Census figures
	1970	Census + Impala Park township - Witfield township
Brakpan	1960	Census Urban Areas Figure
	1970	Census Figures - Kwa-Thema township
Germiston	1960	Municipal Figures
	1970	Municipal Figures + Tembisa township
Kempton Park	1960	Census figures
	1970	Census - Impala Park township
Nigel	1960	Census figures
	1970	Census & Dunottar township
Springs	1960	Census figures
	1970	Census + Kwa-Thema township
Bedford View		Census figures
Edenvale	1960	Figures for Coloureds, Asians and Bantu were obtained by apportioning a non-White census figure for 1960, in the same ratio as they occur in 1970. Whites from census.
	1970	Census figures
Elsburg	1970	Census figures

POPULATION TRENDS IN WITWATERSRAND MUNICIPALITIES

1960 TO 1970 WITH PROJECTIONS TO 2000 AND 2020.

<u>EAST RAND</u>	<u>Year</u> 1960	<u>Growth</u> Rate %	<u>Year</u> 1970	<u>Growth</u> Rate %	<u>Year</u> 2000	<u>Growth</u> Rate %	<u>Year</u> 2020
<u>Alberton</u>							
Total	25 160	6,88	48 934	4,1	162 000	2,7	276 000
Whites	11 539	6,11	20 887	5,4	100 000	2,9	176 000
Coloureds	366	7,89	782	3,2	2 000	3,5	4 000
Asians	120	0,17	122	-	-	-	-
Bantu	13 135	7,53	27 143	2,7	60 000	2,4	96 000
<u>Benoni</u>							
Total	122 502	2,02	149 563	2,3	293 000	2,3	466 000
Whites	33 386	2,78	43 928	2,8	100 000	2,8	173 000
Coloureds	4 900	- 29,07	389	- 22,0	-	-	-
Asians	2 700	10,09	7 063	3,7	21 000	3,6	43 000
Bantu	81 426	1,89	98 183	1,9	172 000	1,9	250 000
<u>Bedford View</u>							
Total	5 288	4,90	8 530	5,0	36 000	2,7	61 000
Whites	3 264	6,20	5 957	4,9	25 000	2,6	42 000
Coloureds	28	- 3,95	19	-	-	-	-
Asians	1	-	1	-	-	-	-
Bantu	1 995	2,50	2 553	5,0	11 000	2,8	19 000
<u>Boksburg</u>							
Total	71 029	3,50	100 211	2,2	190 000	2,3	297 000
Whites	27 596	1,87	33 204	1,9	58 000	1,9	84 000
Coloureds	1 478	22,06	10 854	3,8	33 000	3,8	69 000
Asians	1 471	-16,16	329	- 21,3	-	-	-
Bantu	40 484	3,26	55 824	1,9	99 000	1,9	144 000
<u>Brakpan</u>							
Total	18 625	- 0,81	72 516	2,2	140 000	2,3	219 000
Whites	29 340	0,35	30 374	2,8	70 000	2,8	122 000
Coloureds	461	- 9,98	178	10,9	4 000	3,5	8 000
Asians	28	-25,03	3	-	-	-	-
Bantu	48 796	- 1,52	41 961	1,5	66 000	1,5	89 000

	<u>Year</u>	<u>Growth</u>	<u>Year</u>	<u>Growth</u>	<u>Year</u>	<u>Growth</u>	<u>Year</u>
	<u>1960</u>	<u>Rate %</u>	<u>1970</u>	<u>Rate %</u>	<u>2000</u>	<u>Rate %</u>	<u>2020</u>
<u>Edenvale</u>							
Total	30 534	- 2,04	24 843	5,8	134 000	2,6	226 000
Whites	10 865	6,36	20 122	6,3	127 000	2,6	214 000
Coloureds	5 503	- 13,3	1 321	-	-	-	-
Asians	396	- 13,30	95	-	-	-	-
Bantu	13 770	- 13,30	3 305	2,5	7 000	2,7	12 000
<u>Elsburg</u>							
Total	-	-	7 501	2,8	17 000	2,7	29 000
Whites	-	-	6 919	2,8	16 000	2,7	27 000
Coloureds	-	-	10	-	-	-	-
Asians	-	-	31	-	-	-	-
Bantu	-	-	541	2,1	1 000	3,5	2 000
<u>Germiston</u>							
Total	148 102	5,52	253 357	2,4	503 000	2,4	806 000
Whites	56 954	2,31	71 600	2,3	142 000	2,3	224 000
Coloureds	3 283	0,17	3 339	-28,1	-	-	-
Asians	2 135	0,26	2 192	- 26,3	-	3,0	-
Bantu	85 730	7,47	176 226	2,4	361 000	2,4	582 000
<u>Kempton Park</u>							
Total	17 763	6,44	33 156	5,5	103 000	3,9	221 000
Whites	10 698	10,79	29 818	4,0	96 000	4,0	209 000
Coloureds	167	- 3,19	122	-	-	-	-
Asians	101	- 9,43	41	-	-	-	-
Bantu	6 797	- 7,91	3 175	2,7	7 000	2,7	12 000
<u>Nigel</u>							
Total	34 008	0,75	36 633	1,4	55 300	2,6	92 000
Whites	7 824	1,42	9 014	1,5	14 000	2,7	24 000
Coloureds	99	25,21	938	4,0	3 000	4,3	7 000
Asians	554	2,61	717	2,0	1 300	1,8	2 000
Bantu	25 531	0,17	25 964	1,2	37 000	2,4	59 000



<u>Springs</u>	<u>Year</u> <u>1960</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>1970</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2000</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2020</u>
Total	137 253	0,17	139 646	1,5	218 000	1,6	298 000
Whites	36 935	1,70	43 721	1,7	73 000	1,7	103 000
Coloureds	1 537	3,73	2 217	-20,0	-	-	-
Asians	1 375	- 0,33	1 331	- 1,0	1 000	-	1 000
Bantu	97 406	0,53	92 377	1,5	144 000	1,5	194 000
<u>TOTAL EAST RAND</u>							
Total	670 264	2,70	874 890	2,6	1 851 300	2,4	2 991 000
Whites	228 401	3,28	315 544	3,2	821 000	2,7	1 398 000
Coloureds	17 912	1,19	20 169	2,5	42 000	3,8	88 000
Asians	8 881	2,99	11 925	2,3	23 300	3,5	46 000
Bantu	415 070	2,42	527 252	2,0	965 000	2,1	1 459 000
<u>WEST RAND</u>							
<u>Krugersdorp</u>							
Total	89 947	0,14	91 202	1,2	132 000	1,2	169 000
Whites	30 515	1,34	34 844	1,3	52 000	1,4	68 000
Coloureds	2 090	3,84	3 047	3,7	9 000	2,6	15 000
Asians	682	0,42	711	1,1	1 000	-	1 000
Bantu	56 660	-0,75	52 600	1,0	70 000	1,0	85 000
<u>Randfontein</u>							
Total	41 499	2,17	50 258	1,6	80 700	1,8	115 000
Whites	13 647	1,49	15 817	1,5	25 000	1,5	34 000
Coloureds	1 043	8,48	2 354	5,3	11 000	5,0	29 000
Asians	57	7,46	117	6,1	700	5,4	2 000
Bantu	26 752	1,80	31 970	1,1	44 000	0,7	50 000
<u>Roodepoort</u>							
Total	95 211	3,28	122 115	3,3	320 000	2,8	560 000
Whites	40 908	4,93	57 358	4,3	200 000	2,7	372 000
Coloureds	1 718	-24,63	190	-	-	-	-
Asians	1 187	- 1,06	1 067	- 26,2	-	-	-
Bantu	51 398	2,14	63 500	2,1	120 000	2,1	183 000

TOTAL WEST RAND

	<u>Year</u> <u>1960</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>1970</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2000</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2020</u>
Total	226 657	1,92	263 575	2,4	532 700	2,3	839 000
Whites	85 070	3,33	108 019	3,2	277 000	2,7	474 000
Coloureds	4 851	1,43	5 591	4,3	20 000	4,0	44 000
Asians	1 926	- 0,16	1 895	- 0,4	1 700	2,9	3 000
Bantu	134 810	0,94	148 070	1,5	234 000	1,5	318 000

CENTRAL AREAJohannesburg

Total	1 035 604	2,09	1 272 984	2,0	2 311 000	2,1	3 491 000
Whites	368 987	1,58	431 629	1,4	650 000	1,4	854 000
Coloureds	35 084	8,47	79 083	3,3	212 000	3,3	408 000
Asians	23 639	4,97	38 399	3,1	97 000	3,1	179 000
Bantu	607 894	1,76	723 873	2,1	1 352 000	2,1	2 050 000

Randburg

Total	11 860	14,62	46 400	6,0	209 000	3,1	384 000
Whites	8 707	15,77	37 661	4,5	140 000	2,6	234 000
Coloureds	130	5,50	222	5,1	1 000	5,6	3 000
Asians	14	5,97	25	-	-	-	-
Bantu	3 009	10,93	8 492	7,2	68 000	3,9	147 000

Sandton

Total	32 193	3,23	44 252	3,2	98 000	2,4	159 000
Whites	18 992	4,70	30 072	3,3	80 000	2,5	130 000
Coloureds	388	0,72	417	3,0	1 000	3,5	2 000
Asians	760	0,71	816	0,7	1 000	-	1 000
Bantu	12 053	0,72	12 947	0,7	16 000	2,5	26 000

TOTAL CENTRAL AREA

Total	1 079 657	2,36	1 363 636	2,2	2 618 000	2,2	4 034 000
Whites	396 686	2,33	499 362	1,9	870 000	1,7	1 218 000
Coloureds	35 602	8,40	79 722	3,3	214 000	3,3	413 000
Asians	24 413	4,86	39 240	3,1	98 000	3,1	180 000
Bantu	622 956	1,81	745 312	2,2	1 436 000	2,2	2 223 000

WITWATERSRAND

	<u>Year</u> <u>1960</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>1970</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2000</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2020</u>
Total	1 976 578	2,43	2 502 101	2,3	5 002 000	2,3	7 864 000
Whites	710 157	2,77	922 925	2,6	1 968 000	2,3	3 090 000
Coloureds	58 365	6,10	105 482	3,3	276 000	3,5	545 000
Asians	35 220	4,28	53 060	2,8	123 000	3,2	229 000
Bantu	1 172 336	1,94	1 420 634	2,1	2 635 000	2,1	4 000 000

POPULATION TRENDS IN WITWATERSRAND MAGISTERIAL  
DISTRICTS 1960 TO 1970 WITH PROJECTIONS TO 2000 AND 2020

<u>EAST RAND</u>	<u>Year</u> <u>1960</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>1970</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2000</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2020</u>
<u>Alberton</u>							
Total	74 159	7,28	149 795	3,1	376 000	2,7	635 000
White	13 052	7,47	26 829	5,1	120 000	3,2	223 000
Coloured	402	7,02	793	7,0	6 000	3,6	12 000
Asians	145	0,99	160	1,0	-	-	-
Bantu	60 560	7,25	122 013	2,4	250 000	2,4	400 000
<u>Benoni</u>							
Total	136 683	1,76	162 794	2,2	312 000	2,8	542 000
White	38 981	2,76	51 210	2,8	100 000	2,8	200 000
Coloured	5 545	-20,80	538	-23,3	-	-	-
Asians	2 996	9,21	7 276	4,9	30 000	4,9	77 000
Bantu	89 161	1,52	103 770	1,9	182 000	1,9	265 000
<u>Boksburg</u>							
Total	75 049	3,33	104 101	2,2	200 000	2,3	313 000
White	29 286	2,21	36 448	2,2	70 000	2,2	108 000
Coloured	1 512	21,80	10 864	3,4	30 000	3,4	59 000
Asians:	1 479	-17,02	229	-19,9	-	-	-
Bantu	42 772	2,83	56 560	1,9	100 000	1,92	146 000
<u>Brakpan</u>							
Total	78 625	3,70	113 115	2,0	203 000	2,0	304 000
White	29 340	0,35	30 374	2,8	70 000	2,8	122 000
Coloured	461	-9,09	178	10,9	4 000	3,5	8 000
Asians	28	-20,02	3	-20,0	-	-	-
Bantu	48 796	5,40	82 560	1,5	129 000	1,5	174 000
<u>Germiston</u>							
Total	143 769	-0,31	139 471	2,6	301 000	2,6	502 000
White	75 219	3,00	101 210	2,7	228 000	2,7	391 000
Coloured	3 851	1,50	4 471	1,5	7 000	1,5	9 000
Asians	2 249	-0,42	2 158	-0,3	2 000	-0,3	2 000
Bantu	62 450	-6,59	31 632	2,4	64 000	2,3	100 000

<u>Kempton Park</u>	<u>Year</u> <u>1960</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>1970</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2000</u>	<u>Growth</u> <u>Rate %</u>	<u>Year</u> <u>2020</u>
Total	51 020	10,71	141 218	3,0	338 000	3,1	623 000
White	19 759	8,21	43 521	4,0	140 000	4,0	305 000
Coloured	238	0,84	259	0,8	-	-	-
Asians	117	- 3,98	78	- 4,0	-	-	-
Bantu	30 906	12,15	97 360	2,4	198 000	2,4	318 000
<u>Nigel</u>							
Total	49 574	1,81	59 365	2,0	108 000	2,2	166 000
White	10 779	2,53	13 839	3,1	35 000	3,1	65 000
Coloured	539	7,50	1 111	4,1	3 700	3,9	8 000
Asians	657	1,58	769	1,8	1 300	1,8	2 000
Bantu	37 399	1,50	43 646	1,5	68 000	1,5	91 000
<u>Springs</u>							
Total	141 943	- 3,06	133 198	1,9	224 000	1,9	323 000
White	38 217	1,56	44 627	2,4	90 000	2,4	143 000
Coloured	1 545	3,75	2 234	- 20,0	-	-	-
Asians	1 384	,35	1 337	- 1,0	1 000	- 1,0	1 000
Bantu	100 797	- 5,73	85 000	1,5	133 000	1,5	179 000
<u>TOTAL EAST RAND</u>							
Total	750 822	2,94	1 003 057	2,4	2 062 000	2,5	3 408 000
White	254 633	3,17	348 05	3,0	853 000	3,1	1 558 000
Coloured	14 093	3,79	20 448	3,1	50 700	3,2	96 000
Asians	9 055	2,86	12 010	3,6	34 300	3,6	82 000
Bantu	473 041	2,29	622 541	2,0	1 124 000	2,0	1 673 000
<u>WEST RAND</u>							
<u>Krugersdorp</u>							
Total	113 351	1,00	125 201	1,4	191 000	1,5	259 000
White	36 537	1,88	44 029	1,9	77 000	1,9	112 000
Coloured	2 322	3,80	3 373	3,7	10 000	3,7	21 000
Asians	800	0,20	817	,7	1 000	0,7	1 000
Bantu	73 692	0,43	76 982	1,0	103 000	1,0	125 000
<u>Randfontein</u>							
Total	51 298	1,32	54 555	1,4	81 700	1,8	116 000
White	16 091	- 0,17	15 817	1,5	25 000	1,5	34 000
Coloured	1 181	7,57	2 449	5,4	12 000	3,9	30 000
Asians	82	5,79	144	5,4	700	5,4	2 000
Bantu	33 944	,63	36 145	0,7	44 000	0,7	50 000

<u>Roodepoort</u>	<u>Year</u> 1960	<u>Growth</u> <u>Rate %</u>	<u>Year</u> 1970	<u>Growth</u> <u>Rate %</u>	<u>Year</u> 2000	<u>Growth</u> <u>Rate %</u>	<u>Year</u> 2020
Total	112 988	2,24	141 063	2,2	330 600	2,8	571 000
White	48 297	3,93	71 052	3,7	200 000	2,7	372 000
Coloured	1 879	2,27	2 352	2,1	4 000	2,1	6 000
Asians	1 193	- 1,11	1 067	- 1,9	600	- 3,8	0
Bantu	61 619	0,78	66 592	2,1	126 000	2,2	193 000
<u>TOTAL WEST RAND</u>							
Total	277 637	1,46	320 819	2,1	603 300	2,3	946 000
White	100 925	2,63	130 898	2,8	302 000	2,7	518 000
Coloured	5 382	5,27	8 174	3,9	26 000	3,9	57 000
Asians	2 075	0,23	2 028	0,4	2 300	0,4	3 000
Bantu	169 255	0,60	179 719	0,4	273 000	1,4	368 000
<u>Johannesburg</u>							
Total	1 137 806	2,15	1 407 963	2,2	2 687 000	2,2	4 177 000
White	404 143	1,78	482 589	1,8	819 000	1,8	1 171 000
Coloured	59 368	3,35	82 551	3,4	222 000	3,4	429 000
Asians	28 983	3,03	39 312	3,1	98 000	3,1	180 000
Bantu	645 312	2,21	803 511	2,2	1 548 000	2,2	2 397 000
<u>TOTAL</u>							
Total	2 166 265	2,35	2 731 810	2,3	5 352 300	2,4	8 531 000
White	759 701	2,38	961 565	2,4	1 974 000	2,5	3 246 000
Coloured	78 843	3,50	111 173	3,3	298 700	3,4	582 000
Asians	40 113	2,89	53 310	3,2	134 600	3,4	265 000
Bantu	1 287 608	2,23	1 605 762	2,0	2 945 000	2,1	4 438 000

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