

No.



MINISTRY OF ROADS AND PUBLIC WORKS(MORPW)  
REPUBLIC OF KENYA



JAPAN INTERNATIONAL  
COOPERATION AGENCY(JICA)

**THE STUDY  
ON ROAD MAINTENANCE SYSTEM  
UNDER THE FRAMEWORK  
OF THE KENYA ROADS BOARD**



**FINAL REPORT**

**VOLUME 3 OF 3**



**APPENDICES & ANNEXES**

**FEBRUARY 2003**



 **Oriental Consultants Company Limited**  
in association with  
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# **APPENDICES**

**APPENDIX 2.2.1 LAND AREA FOR PROVINCES AND DISTRICTS OF KENYA**

<b>Provinces/Districts</b>	<b>Total Land Area*</b>	<b>Provinces/Districts</b>	<b>Total Land Area*</b>
<b><u>Nairobi Province</u></b>		<b><u>North Eastern Province</u></b>	
1. Nairobi	696	40. Garissa	44952
<b>Total</b>	<b>696</b>	41. Mandera	26474
<b><u>Central Province</u></b>		42. Wajir	56698
2. Kiambu	1324	43. Ijara	2348
3. Thika	1960	<b>Total</b>	<b>130472</b>
4. Murang'a	930	<b><u>Nyanza Province</u></b>	
5. Maragua	868	44. Gucha	661
6. Kirinyaga	1478	45. Homa Bay	1160
7. Nyeri	3356	46. Kisii Central	649
8. Nyandarua	3304	47. Kisumu	919
<b>Total</b>	<b>13220</b>	48. Migori	2005
<b><u>Rift Valley Province</u></b>		49. Nyamira	896
9. Baringo	8646	50. Rachuonyo	945
10. Bomet	1882	51. Siaya	1520
11. Laikipia	9229	52. Kuria	581
12. Kericho	2111	53. Nyando	1168
13. Koibatek	2306	54. Bondo	987
14. Nandi	2899	55. Suba	1055
15. Marakwet	1588	<b>Total</b>	<b>12546</b>
16. Nakuru	7242	<b><u>Western Province</u></b>	
17. Trans Nzoia	2487	56. Bungoma	2069
18. Keiyo	1439	57. Busia	1124
19. Kajiado	21903	58. Mt. Elgon	944
20. Narok	15098	59. Kakamega	1395
21. Samburu	21127	60. Lugari	670
22. Turkana	68388	61. Teso	559
23. Uasin Gishu	3328	62. Vihiga	563
24. Trans Mara	2846	63. Butere/Mumias	939
25. West Pokot	9064	<b>Total</b>	<b>8263</b>
26. Buret	955	<b><u>Coast Province</u></b>	
<b>Total</b>	<b>182538</b>	64. Kilifi	4779
<b><u>Eastern Province</u></b>		65. Kwale	8295
27. Embu	729	66. Lamu	6167
28. Isiolo	25698	67. Tana River	38466
29. Kitui	20402	68. Taita Taveta	17128
30. Mbeere	2093	69. Mombassa	230
31. Makueni	7966	70. Malindi	7751
32. Machakos	6281	<b>Total</b>	<b>82816</b>
33. Marsabit	61296	<b><u>Grand Total for Kenya</u></b>	
34. Meru Central	2982	<b>584023</b>	
35. Meru North	3942	Source: Based in part on the Statistical Abstract, Central	
36. Tharaka	1570	Bureau of Statistics, Ministry of Finance & Planning,	
37. Nithi	1093	1999.	
38. Mwingi	10030	*: Includes water surface area.	
39. Moyale	9390		
<b>Total</b>	<b>153472</b>		

**APPENDIX 2.2.2 POPULATION AND POPULATION DENSITY BY PROVINCE AND DISTRICT FOR 1999**

<b>Province/District</b>	<b>Population</b>	<b>Population Density (persons/km<sup>2</sup>)</b>
<b><u>Nairobi Province</u></b>		
1. Nairobi	2,137,000	3,079
<b><u>Central Province</u></b>		
2. Kiambu	744,010	562
3. Thika	645,719	329
4. Murang'a	348,304	375
5. Maragua	387,969	447
6. Kirinyaga	457,105	309
7. Nyeri	661,156	197
8. Nyandarua	479,902	145
<b>Total</b>	<b>3,724,159</b>	<b>282</b>
<b><u>Rift Valley Province</u></b>		
9. Baringo	264,978	31
10. Bomet	382,794	203
11. Laikipia	322,187	35
12. Kericho	468,493	222
13. Koibatek	138,163	60
14. Nandi	578,751	200
15. Marakwet	140,629	89
16. Nakuru	1,187,039	164
17. Trans Nzoia	575,662	231
18. Keiyo	143,865	100
19. Kajiado	406,054	19
20. Narok	365,750	24
21. Samburu	143,547	7
22. Turkana	450,860	7
23. Uasin Gishu	622,705	187
24. Trans Mara	170,591	60
25. West Pokot	308,086	34
26. Buret	316,882	332
<b>Total</b>	<b>6,987,036</b>	<b>38</b>
<b><u>Eastern Province</u></b>		
27. Embu	278,196	381
28. Isiolo	100,861	4
29. Kitui	515,422	25
30. Mbeere	170,953	82
31. Makueni	771,545	97
32. Machakos	906,644	144
33. Marsabit	121,478	2
34. Meru Central	498,880	167
35. Meru North	604,050	153
36. Tharaka	100,992	64
37. Nithi	205,451	188
38. Mwingi	303,828	30
39. Moyale	53,479	6
<b>Total</b>	<b>4,631,779</b>	<b>30</b>

(cont'd)

Province/District	Population	Population Density (persons/km <sup>2</sup> )
<b>North Eastern Province</b>		
40. Garissa	392,510	9
41. Mandera	250,372	9
42. Wajir	319,260	6
43. Ijara	17,236	7
<b>Total</b>	<b>962,143</b>	<b>8</b>
<b>Nyanza Province</b>		
44. Gucha	460,939	698
45. Homa Bay	288,540	249
46. Kisii Central	491,786	758
47. Kisumu	504,359	549
48. Migori	514,897	257
49. Nyamira	498,102	556
50. Rachuonyo	307,126	325
51. Siaya	480,184	316
52. Kuria	151,887	147
53. Nyando	299,930	257
54. Bondo	238,780	242
55. Suba	155,666	-
<b>Total</b>	<b>4,397,000</b>	<b>350</b>
<b>Western Province</b>		
56. Bungoma	876,491	424
57. Busia	370,608	330
58. Mt. Elgon	135,033	143
59. Kakamega	603,422	433
60. Lugari	215,920	322
61. Teso	181,499	325
62. Vihiga	498,883	886
63. Butere/Mumias	476,923	508
<b>Total</b>	<b>3,358,776</b>	<b>406</b>
<b>Coast Province</b>		
64. Kilifi	544,303	114
65. Kwale	496,133	60
66. Lamu	72,686	12
67. Tana River	180,901	5
68. Taita Taveta	246,670	14
69. Mombasa	665,018	2,896
70. Malindi	281,552	36
<b>Total</b>	<b>2,487,264</b>	<b>30</b>
<b>Grand Total for Kenya</b>	<b>28,686,607</b>	<b>50</b>

Sources: Economic Survey 2000, Bureau of Central Statistics, Kenya Ministry of Finance & Planning, 2000.

Statistical Abstract, Bureau of Central Statistics, Kenya, Ministry of Finance & Planning, 1998 and 1994.

Population and Housing Census, Vol. II. Bureau of Central Statistics, Kenya, Ministry of Finance & Planning, 1999

Notes:

- 1) The land area for each province and district refers to the land area (excluding water) as of 31 December 1997. Each census year shows a different land area for nearly each province and district.
- 2) Population data for the new districts during the censuses of 1979 and 1989 are included in the population of the old districts.