

Mpumalanga Provincial Government



Department of Agriculture and Land Administration

Integrated Resource Information Report

Delmas

06 May 2005

RESOURCE MANAGEMENT AND LAND USE PLANNING
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Delmas

Summary

Delmas is situated in the western part of the Mpumalanga highveld. Delmas is the major town in the area. Moderate summers and cold winters characterize the climate of the area. The annual rainfall varies between 500 and 750 mm and falls mainly during summer. The area of 1 570 km² is covered by grassland. Mixed farming are practiced in the area. Cattle, sheep, maize, grain sorghum, sunflower seed, wheat, drybeans and soybeans. Vegetables are produced under irrigation. Several smallholdings are found to the west of the town of Delmas. Coal and silica is mined near Delmas.

GENERAL INFORMATION

Common Name(s)	Delmas
Area	156,739.0 ha
Coordinates	28°27'36"E 25°51'36"S 29°01'48"E 26°21'36"S
District Municipality	Nkangala District Municipality
Region	Nkangala Region

Towns

Name

Delmas

Neighbouring Municipalities

Name

Emalahleni
Govan Mbeki

Natural Resources

Climate

Rainfall

Rainfall Range 500 to 750 mm per year

Temperature

Temperature Zone 57/14

	DJF	Mar	Apr	May	JJA	Sep	Oct	Nov
T	20	17.5	13.8	10	7.4	13.9	17.6	18.9
Tn	17.6	14.8	10.1	5.6	2.7	10.2	14.9	16.2
Td	22.4	20.2	17.5	14.4	12.1	17.6	20.3	21.6
Tmax	23.8	21.7	19.6	16.9	14.8	19.7	21.8	23.2
Tmin	16.2	13.3	8	3.1	0	8.1	13.7	14.7

T - Average Temperature

Tn - Average Night Temperature

Td - Average Daily Temperature

Tmax - Average Maximum Temperature

Tmin - Average Minimum Temperature

Soils

Land Types

Land Type	Area (ha)	%
Dystrophic and/or mesotrophic; red soils not widespread (Bb)	62,595.4	39.9
Dystrophic and/or mesotrophic; red soils widespread (Ba)	67,076.7	42.8
Red, dystrophic and/or mesotrophic (Ab)	12,021.0	7.7
Vertic, melanic, and/or red structured diagnostic horizons (Ea)	12,264.7	7.8

Soil Clay Contents

ClayClass	Area (ha)	%
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Clay	3,981.8	2.5
Clayey	14,394.5	9.2
Loam	34,314.4	21.9
Loam & Clay	24,363.8	15.5
Loamy Sand	6,393.4	4.1
Non-perennial pans	629.6	0.4
Sandy	45.6	0.0
Sandy Loam	63,985.7	40.8
Very Clayey	7,912.8	5.0
Very Sandy	0.0	0.0
Waterbodies	717.2	0.5

Soil Depth

Soil Depth Class	Area (ha)	%
Deep	35,052.3	22.4
Medium Deep	23,649.6	15.1
Medium Shallow	5,139.1	3.3
Non-perennial pans	629.6	0.4
Shallow	22,768.5	14.5
Steep Slopes	15.0	0.0
Very Deep	62,959.3	40.2
Very Shallow	5,808.1	3.7
Waterbodies	717.2	0.5

Soil Form Association

Soil Form Association Class	Area (ha)	%
Ar, My, Va	3,192.2	2.0
Ar-dominant	8,725.4	5.6

Av, Gc, We, Cv	26,976.9	17.2
Hu (30%), Sd (30%)	2,238.9	1.4
Hu, Av, Cv, Gc	50,179.6	32.0
Hu, Sd, Sw, Gs	7,989.9	5.1
Hu-dominant	14,101.8	9.0
Lithosols, Cv, Va	10,491.8	6.7
Lithosols, Hu, Cv, Gc	5,434.2	3.5
Lithosols, Hu, Cv, Sd, Sw	8,160.2	5.2
Non-perennial pans	629.6	0.4
Rg, Ar	17,631.2	11.2
Sd, Bo, My, Ar, Hu	269.8	0.2
Waterbodies	717.2	0.5

Topography

Elevation

Range (m)	Area (ha)	%
1401 - 1500	3,509	2.2
1501 - 1600	134,515	85.8
1601 - 1700	18,715	11.9

Slope

Class	Area (ha)	%
Level (0 - 3%)	118,944	75.9
Moderate (4 - 15%)	37,795	24.1

Vegetation

Acocks Veld Type (1975)

Acocks Veld Type	Area (ha)	%
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Bankenveld (61)	96,646	61.7
Bankenveld to Turf Highveld Transition (5)	4,203	2.7
Cymbopogon - Themeda Veld (48)	7,241	4.6
Themeda Veld or Turf Highveld (52)	48,649	31.0

Water Resources

Dams

Drainage Regions

Drainage Region / Catchment				
Primary	Secondary	Tertiary	Area	%
Olifants	Olifants	Upper Olifants River	1,550.7	1.0
Wilge	Wilge	Wilge River	147,642.4	94.2
Suikerbosrand	Suikerbosrand	Suikerbosrand River	7,545.5	4.8

Land Utilisation

Land Cover (1995)

Class	Area (ha)	%
Cultivated: temporary - commercial dryland	90,279.6	57.6
Cultivated: temporary - commercial irrigated	731.3	0.5
Forest plantations	1,253.0	0.8
Improved grassland	80.4	0.1
Mines & quarries	669.8	0.4
Thicket & bushland (etc)	463.7	0.3
Unimproved grassland	58,183.2	37.1
Urban / built-up land: commercial	43.6	0.0
Urban / built-up land: industrial / transport	156.5	0.1
Urban / built-up land: residential	396.6	0.3
Urban / built-up land: residential (small holdings: grassland)	2,815.6	1.8
Waterbodies	474.2	0.3
Wetlands	1,191.1	0.8

Silos

Silo	Owner	Commodities	Capacity (Ton)
Argent	OTK	Maize (White & Yellow)	33,923
Dryden	OTK	Maize (White & Yellow), Sunflower, Wheat	57,077
Eloff	OTK	Maize (White & Yellow), Soya beans, Sorghum, Sunflower, Wheat	51,923
Hawerklip	OTK	Maize (White & Yellow)	68,077

Co-operatives

Location	Co-operative
Delmas	OTK

Conservation Areas

Name	Authority	Area (ha)
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No Records

Demographic Information

Population Distribution and Dynamics

Population Group (Dominant)

	2001	1996
African	49,644	43,069
Coloured	257	243
Indian	101	91
White	6,206	8,940
Total	56,208	52,579

Home Language (Dominant)

	2001	1996
Afrikaans	6,019	8,422
English	802	923
IsiNdebele	18,851	13,783
IsiXhosa	2,889	2,174
IsiZulu	18,249	19,327
Sepedi	2,329	1,699
Sesotho	2,311	2,455
Setswana	1,534	1,344
SiSwati	1,680	1,432
Tshivenda	279	88
Xitsonga	1,094	430
Other	172	250

Place of Birth

	2001	1996
RSA	55,511	

SADC (Excluding RSA)	552
RestAfrica	36
Europe	80
Asia	24
North America	0
Central/South America	4
Australia/New Zealand	1

Citizenship

	2001	1996
RSA	55,886	52,205
SADC (Excluding RSA)	237	132
Rest of Africa	16	1
Europe	45	55
Asia	24	1
North America	2	0
Central/South America	3	3
Australia/New Zealand	0	2

Demographic Characteristics

Age

	2001	1996
Age 0 - 4	6,236	4,821
Age 5 - 14	11,732	10,849
Age 15 - 34	20,778	20,149
Age 35 - 64	15,105	13,323
Age 65+	2,357	2,228

Gender

	Males		Females	
	2001	1996	2001	
0 to 4	3,140	2,360	0 to 4	3,096
5 to 14	5,860	5,376	5 to 14	5,872
15 to 34	10,297	9,824	15 to 34	10,481
35 to 64	7,389	6,870	35 to 64	7,716
Over 65	980	1,002	Over 65	1,377
Total	27,666	25,432	Total	28,542

Persons with Disabilities

	2001	1996
Sight	626	1,694
Hearing	412	572
Communication	115	
Physical	1,041	624
Intellectual	194	156
Emotional	366	
Multiple	712	101

Socio-Economic

Highest Level of Education

	2001	1996
None	8,378	8,340
Some Primary	6,878	5,021
Complete Primary	2,285	2,019
Secondary	8,786	8,404
Grade12	4,524	4,197
Higher	1,538	1,437

Persons Attending Education Institutions

Institution	2001	1996
None	7,918	
Pre-school	404	
School	14,264	
College	85	
Technikon	35	
University	66	
Adult Education Centre	20	
Other	23	

Economic Active Population

	2001	1996
Employed	13,232	13,823
Unemployed	9,785	7,277
No Economical Active	13,094	
Total Labour Force	23,017	

Industry

	2001	1996
Agriculture/Forestry/Fishing	3,040	3,945
Community/Social/Personal	1,250	1,217
Construction	660	780
Electricity/Gas/Water	44	169
Financial/Insurance/Real Estate/Business	655	460
Manufacturing	1,500	770
Mining/Quarrying	960	980
Other	0	

Private Households	1,977	1,832
Transport/Storage/Communication	671	844
Undetermined	871	1,459
Wholesale/Retail	1,613	1,407

Occupation

	2001	1996
Clerks	956	747
Craft/Trade	1,725	1,728
Elementary	4,365	4,217
Legislators/Senior Officials	535	482
Unspecified/Not Economically Classified	0	
Plant/Machine Operators	2,376	1,793
Professionals	412	718
Service Workers	816	926
Agricultural/Fishery	967	
Technicians	541	498
Undetermined	538	

Individual Monthly Income

	2001	1996
None	39,061	32,929
R 1 to R 400	2,810	1,882
R 401 to R 800	6,730	8,547
R 801 to R 1,600	3,413	1,817
R 1,601 to R 3,200	2,175	1,261
R 3,201 to R 6,400	1,056	1,819
R 6,401 to R 12,800	590	497
R 12,801 to R 25,600	233	113

R 25,601 to R 51,200	71	65
R 51,201 to R 102,400	26	44
R 102,401 to R 204,800	23	
R 204,801+	19	

Travel to work

	2001	1996
Bicycle	814	
Bus	1,989	
Car Driver	2,190	
Car Passenger	3,091	
Minibus/Taxi	4,231	
Motorcycle	118	
Train	98	
NA	29,043	
Foot	14,409	
Other	221	

Households and Housing

Household Size (Average)

Household Size	2001	1996
1	2,366	
2	2,474	
3	2,031	
4	1,959	
5	1,498	
6	1,056	
7	638	
8	472	

9	316
10+	579

Dwelling Type (Dominant)

	2001	1996
Formal	8,306	7,965
Informal	3,884	2,591
Traditional	1,165	1,581
Other	34	114

Rooms per Household (Average)

Room(s)	2001	1996
1	1,202	1,299
2	1,936	1,708
3	2,897	1,948
4	3,435	3,120
5	1,359	1,472
6	1,054	1,174
7	602	558
8	419	505
9	201	236
10 +	284	290

Household Income

	2001	1996
None	2,952	1,648
R 1 to R 4,800	1,066	642
R 4,801 to R 9,600	2,947	2,548

R 9,601 to R 19,200	2,959	3,345
R 19,201 to R 38,400	2,027	1,446
R 38,401 to R 76,800	942	770
R 76,801 to R 153,600	542	653
R 153,601 to R 307,200	347	291
R 307,201 to R 614,400	106	49
R 614,401 to R 1,228,800	26	
R 1,228,801 to R 2,457,600	18	
R 2,457,600+	15	

Energy Source for Cooking (Dominant)

	2001	1996
Electricity	3,619	
Gas	202	
Paraffin	1,727	
Wood	919	
Coal	6,794	
Animal Dung	63	
Solar	35	
Other	31	

Energy Source for Lighting (Dominant)

	2001	1996
Electricity	8,683	7,743
Gas	25	264
Paraffin	180	354
Candles	4,435	3,920
Solar	13	
Other	53	0

Access to Piped Water (% Households)

	2001	1996
Dwelling	3,748	4,911
Inside Yard	5,726	3,505
Communal Stand	1,583	1,824
Communal Stand 200m+	1,465	
Borehole	243	1,506
Spring	50	253
Rain Tank	55	228
Dam/Pool/Stagnant Water	55	
River/Stream	35	
Water Vendor	132	
Other	298	94

Toilet Facilities (% Households)

	2001	1996
Flush Toilet	8,520	7,846
Flush Septic Tank	552	
Chemical Toilet	48	
VIP	190	
Pit Latrine	2,503	2,969
Bucket Latrine	995	1,200
None	581	315

Telephone Facilities (% Households)

	2001	1996
Telephone and Cellphone	1,174	
Telephone	660	3,087
Cellphone	2,953	

Neighbour	865	526
Public Telephone	6,978	5,468
Other Nearby	247	1,257
Other Not Nearby	278	399
No Access	235	1,472

Refuse Removal (% Households)

	2001	1996
Municipal Weekly	8,495	7,567
Municipal Other	96	406
Communal Dump	512	748
Own Dump	3,667	2,645
No Disposal	620	772

DISCLAIMER

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