

1 : 2 000 000

WATER MANAGEMENT AREAS

of the
Republic of South-Africa

2012
First Edition

The National Water Act (Act 36 of 1998) requires the progressive development of a National Water Resource Strategy (NWRS), which provides the framework for the protection, use, development, conservation, management and control of water resources for the country as a whole. Further, the NWRS provides the framework within which water will be managed at regional or catchment level, within defined Water Management Areas.

The purpose of this map is to give a representation of the amended Water Management Areas (WMA's) of the Republic of South Africa (See Government Gazette No 35517 (20 July 2012)), in relation to the drainage region boundaries. Details of these amendments are given in the above mentioned Gazette. Main rivers, dams and towns are also represented in the map.

This map was initiated by the Directorate Institutional Oversight, Department of Water & Sanitation (DWS).

LEGEND

- City/Town
 - Dams
 - International Boundary
 - Provincial Boundary
 - Rivers
 - 2012 Water Management Area boundaries
- Catchments:**
- Primary Drainage Region Boundary
 - Secondary Drainage Region Boundary
 - Tertiary Drainage Region Boundary
 - Quaternary Drainage Region Boundary

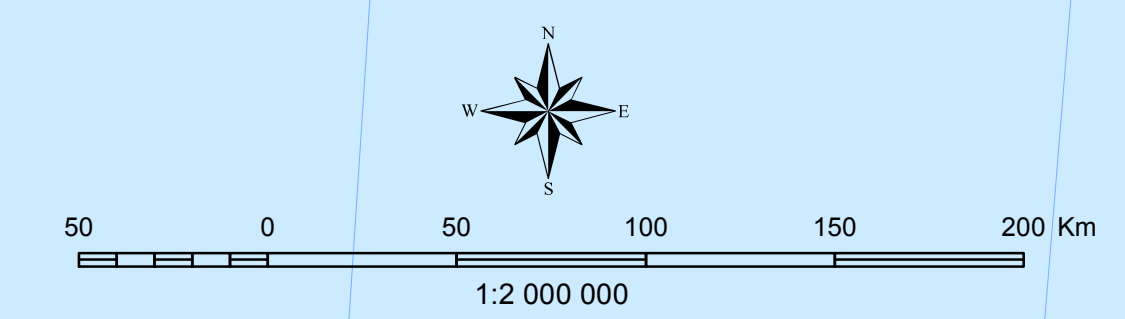
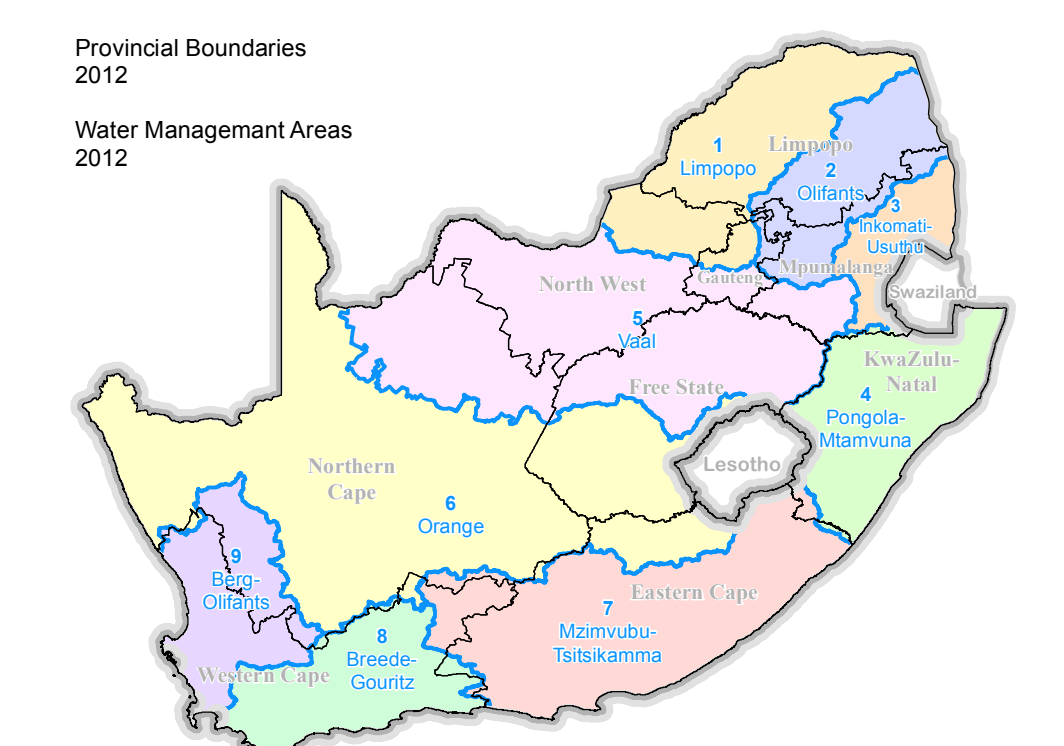
Data Acknowledgements:

The towns, cities, dams, 500 rivers, 50 national & international boundaries and the coastline: Chief Directorate National Geospatial Information (DGNIG), Department of Rural Development and Land Reform (DRDLR).

Catchment boundaries & Water Management Area 2012 boundaries: Department of Water & Sanitation (DWS).

Revised (2012) Water Management Area boundary descriptions

WATER MANAGEMENT AREA	MAJOR RIVERS	BOUNDARY DESCRIPTION
1 LIMPOPO	Limpopo, Matlaba, Mokoto, Lephalala, Mogalakwena, Sand, Nohle, Matlaba and Luuvhu	Primary drainage region A
2 OLIFANTS	Elands, Wilge, Steelpoort, Olifants and Letaba	Primary drainage region B
3 INKOMATI - USUTHU	Nearedi, Sabie, Crocodile (East), Komati and Usuthu	Primary drainage region X and the portions of tertiary drainage regions W51 to W56 falling within the boundary of the RSA
4 PONGOLA - MTAMVUNA	Pongola, Mhlaluzi, Mlolozi, Muzze, Thukela, Mvoti, Umgeni, Umkomazi, Umzimvubu and Mzimvubu	Tertiary drainage regions W11 to W13, W31 to W32, W41, W45, and the portions of W42, W43, W44 and W57 falling within the boundary of the RSA; Primary drainage regions V and U; Tertiary drainage Regions T45, T51 and T52
5 VAAL	Wilge, Lebengbergvlei, Mool, Renoster, Vaa, Sand, Vee, Hart, Molopo and Vaal	Tertiary drainage regions C11 to C13, C21 to C25, C31 to C33, C41 to C43, C50, C70 and C81 to C83, C91, C92 (excluding the Lower portions of quaternary catchments C928 and C930), D41 and portions of quaternary catchments D42C, D42D, D73A, D73B, D73C, D73D and D73E. The western boundary runs from the border between South Africa and Botswana, along the boundary of the Kalamien East Water User Association (WUA). It follows the boundary of the mentioned WUA in a westerly direction to a point west of the Langridge, 19 kilometres west of Beelohok, near Postmasburg. The Water Management Area boundary then runs South East to meet the watershed between quaternary catchment D73A and D73B. The boundary then follows this watershed and that between D73A and D71B, until it meets the boundary of the Hay district. It follows this boundary until it meets the watershed between D71B and C92C. The Water Management Area boundary continues along this watershed until it meets the boundary of the Orange Vaal Water User Association. It continues south-easterly on this boundary until it meets the watershed between C92B and C91M where it follows this watershed and that between C92B and C91L. Thereafter it follows the watershed between C91L and C91E. It continues on this watershed until it reaches the farm boundary of Wolwe Dam 87. The Water Management Area boundary then follows the mentioned farm boundary up to the farm boundary of Vaalboschoek 85. If then follows successive farm boundaries as they meet, progressively moving in a westerly direction, namely: Weltevrede 117, Vaalpan 116, Koppiesdam 118, Spij Fontein 122, Karetsoek 130, Colforten 121, Benashelefontein 442, Orlanfontein 168, Sossana 197, and Orlanfontein 170. The Water Management Area boundary then follows the eastern boundary of Orlanfontein 170 in a northerly direction to include the farm Orlanfontein 293 until it meets the watershed between C91E and C92L. Hereafter, the Water Management Area boundary follows the boundaries of the drainage regions as mentioned initially in this description.
6 ORANGE	Molde, Riet, Caledon, Kraai, Oringers, Hartbees and Orange	Tertiary drainage regions C51 (excluding a portion of quaternary catchment C51L), C52 (excluding a small portion of quaternary catchment C52L), D12 to D14, the portions of D15 and D16 that falls within the boundary of the RSA, D21, the portion of D23 that falls within the boundary of the RSA, D24 (excluding the portion of quaternary catchment D24A that falls in Lesotho), D31 to D35. Tertiary drainage region D42 (excluding portions of quaternary catchments D42C and D42D), D51 to D55, D61, D62, D71 to D73 (excluding portions of quaternary catchments D73A, D73B, D73C, D73D and D73E), D81, D82. In the area of the confluence of the Vaal and Orange River the Water Management Area boundary follows the boundary of the Orange Vaal Water User Association until it meets the boundary of Water Management Area 5. Hence, the lower portions of quaternary catchments C92B and C92C are included in this Water Management Area. Primary drainage region F (excluding quaternary catchments F50D, F50B, F50C, F50E and F50F).
7 MZIMVUBU - TSITSIKAMMA	Mzimvubu, Mvoti, Mbashe, Buffalo, Nalson, Groot Koi, Kosiakamma, Fish, Kowie, Boemans, Sundays, Gammas, Kromme, Groot and Tsitsikamma	Primary drainage regions P, Q, R, S, L, M and N; Tertiary drainage regions T11 to T13, T20, T31 to T36, T60, T70, T80, T90, K89 and K90
8 BREEDE - GOURITZ	Breede, Sonderend, Oos, Bot, Pannet, Gouritz, Olifants, Kammanassie, Gama, Buffels, Touws, Gooikoo and Duvenstadska	Primary drainage region 11 and 2; Tertiary drainage G40 (excluding quaternary catchment G40A) and G50; Tertiary drainage regions K10 to K70
9 BERG - OLIFANTS	Berg, Diep, Swartbos, Olifants, Doorn, Koon, Sand and Scot	Tertiary drainage regions G10 to G30 and quaternary catchment G40A; Primary drainage region E and tertiary drainage regions F80 (excluding quaternary catchment F60A) and including quaternary catchment F50D



Projection: Albers Equal Area Conical
Central Meridian: 24°E, Standard Parallels: 24°S and 32°S
Spheroid: WGS84

Map compiled by:
Directorate: Geographical Information & Imaging (DGI),
Cartographic Services Section
Date: 04/04/12, 10:25:00 AM, R_20120404