

References and Data Sources

Chapter 1

- Allan, J. A. 2002. *Water resources in semi-arid regions: Real deficits and economically invisible and politically silent solutions*, In: Turton, A. and Henwood, R. (eds.), *Hydropolitics in the developing world – A southern African perspective*, African Water Issues Research Unit, Pretoria, 23-36.
- Hirji, R., Johnson, P., Maro, P. and Matiza Chiuta, T. (eds.) 2002. *Defining and Mainstreaming Environmental Sustainability in Water Resources Management in Southern Africa*. SADC/IUCN/SARDC/World Bank: Maseru/Harare/Washington DC, 318 pp.
- Nepad website - www.nepad.org
- United Nations 1992. *Rio Declaration on Environment and Development*, United Nations Conference on Environment and Development, Rio de Janeiro, Brazil.
- United Nations 2000. *United Nations Millennium Declaration, Resolution adopted by the General Assembly of the United Nations, A/55/L.2*.
- United Nations 2002. *Johannesburg Declaration on Sustainable Development, World Summit on Sustainable Development, Johannesburg, South Africa*.

Chapter 2

- Ashton, P. 2000. *Integrated Catchment Management: Balancing Resource Utilisation and Conservation*, Course Notes: Aquatic Biomonitoring Course, Grahamstown, 21-23 February 2000.
- IPCC 2001. *Climate Change 2001: Impacts, Adaptation and Vulnerability*, Intergovernmental Panel on Climate Change, Cambridge University Press.
- Turton, A. and Henwood, R. (eds.) 2002. *Hydropolitics in the developing world: A Southern African perspective*, African Water Issues Research Unit, Pretoria.
- Turton, A. and Ohlsson, L. (eds.) 2000. *Water scarcity and social stability: Towards a deeper understanding of the key concepts needed to manage water scarcity in developing countries*. SOAS Water Issues Study Group, Occasion Paper 17. University of London, London.

Chapter 3

Transboundary Freshwater Dispute Database 2000.

Southern Africa

- Ashton, P. J. 2000. *Are southern African water conflicts inevitable or preventable?* In: (Solomon, H. & Turton, A. R. eds.), *Water Wars: An Enduring Myth or an Impending Reality?* ACCORD Publishers, Durban, 65-102.
- Ashton, P. J. 2002. *Avoiding Conflicts over Africa's Water Resources*, *Ambio*, Vol. 31, No. 3, 236-242.
- Ashton, P. J. and Ramasar, V. 2002. *Water and HIV/AIDS: Some strategic considerations in Southern Africa*. In: (Turton, A. R. & Henwood, R. eds.) *Hydropolitics in the Developing World: A Southern African Perspective*. Pretoria: African Water Issues Research Unit (AWIRU), 217-235.
- Beekman, H. E. and Xu, Y. 2003. *Review of groundwater recharge estimation in arid and semi-arid Southern Africa*. In 'Groundwater recharge estimation in Southern Africa', Xu, Y. and Beekman, H. E. (eds.), UNESCO IHP Series No. 64, 3-18.
- Cambula, F. 1999. *Impacts of climate change on water resources of Mozambique: Final report of the Mozambique/US Country Study*, NEC, Maputo.
- Cavé, L., Beekman, H. E. and Weaver, J. 2003. *Impact of climate change on groundwater recharge estimation*. In 'Groundwater recharge estimation in Southern Africa', Xu, Y. and Beekman, H. E. (eds.), UNESCO IHP Series No. 64, 189-197.
- Chenje, M. and Johnson, P. (eds.) 1996. *Water in Southern Africa*, SADC/IUCN/SARDC, Maseru/Harare, 238 pp.
- Chilton, J. and Foster, S. 1995. *Hydrogeological characterisation and water-supply potential of basement aquifers in tropical Africa*. *Hydrogeology Journal*, V. 3, No. 1, 36-49.
- Conley, A. and Van Niekerk, P. 1998. *Sustainable Management of International Waters: The Orange River Case*, in Savenije, H. and Van der Zaag, P., *The Management of Shared River Basins: Experiences from SADC and EU*. Delft, Netherlands: Ministry of Foreign Affairs.
- FAO-Aquastat: <http://www.fao.org/waicent/foainfo/agricult/agl/aglw/aquastat/main/index.stm>

- Gabaake, G. G. 1997. *GRES with respect to general water resources needs in Botswana*, Ministry of Minerals, Energy and Water Affairs, Gaborone, Botswana; paper presented at the Groundwater Recharge Evaluation Studies (GRES) Symposium, 3 November 1997.
- Government of the Republic of South Africa 1997. *Water Services Act*. Act no. 108 of 1997. *Government Gazette* Vol. 390, Cape Town, Republic of South Africa.
- Government of the Republic of South Africa 1998. *National Water Act (1998)*. Act no. 36 of 1998. *Government Gazette* Vol. 398, Cape Town, Republic of South Africa.
- Government of the Republic of Zambia, Ministry of Energy and Water Development, *Water Resources Action Programme (WRAP) 2003. Draft concept and component papers on (1) Institutional and legal framework; (2) Water resources information; (5) Economics and financing and (6) Water and the environment*, Lusaka, Zambia, January 2003.
- Government of the Republic of Zimbabwe 1998. *Water Act [Chapter 20: 24] No. 31/98*, Government Printer, Harare, 459-531.
- Government of Zimbabwe, Ministry of Rural Resources and Water Development 2001. *Towards Integrated Water Resources Management: Water Resources Management Strategy for Zimbabwe*, Harare, Zimbabwe, WRMS Secretariat, 132 pp.
- Hirji, R., Johnson, P., Maro, P. and Matiza Chiuta, T. (eds.) 2002. *Defining and Mainstreaming Environmental Sustainability in Water Resources Management in Southern Africa*, SADC/IUCN/SARDC/WB: Maseru/Harare/Washington DC, 318 pp.
- Hulme, M. (ed.) 1996. *Climate change and southern Africa: An explanation of some potential impacts and implications in the SADC region. A report commissioned by WWF International and co-ordinated by the Climatic Research Unit, UEA: Norwich*.
- Jubilee 2000 webpage - <http://www.jubilee2000uk.org>
- MacDonald, A. and Davies, J. 2000. *A brief review of groundwater for rural water supply in sub-Saharan Africa*, BGS Technical Report WC/00/33.
- Meigh, J. R., McKenzie, A. A., Austin, B. N., Bradford, R. B. and Reynard, N. S. 1998. *Assessment of global water resources – Phase II: Estimates for present and future water availability for eastern and southern Africa*, DFID Report No. 98/4, Institute of Hydrology, Wallingford, Oxon., UK.
- Midgley, D. C., Pitman, W. V. and Middleton, B. J. 1994. *Surface water resources of South Africa 1990, User's Manual, Volumes II and III: Drainage regions C, D, F – Appendices and books of maps; WRC 298/1;2.1; 2.2/94*.
- Ohlsson, L. 1995. *Water and security in southern Africa. A desktop study for SIDA*. Padrigu.
- Pallett, J. (ed.) 1997. *Sharing water in southern Africa*. Desert Research Foundation of Namibia, Windhoek, 121 pp.
- Ramsar sites: *List of Wetlands of International Importance*, <http://www.ramsar.org/>
- Revenga, C., Brunner, J., Henninger, N., Kassem, K. and Payne, R. 2000. *Pilot analysis of global ecosystems: Freshwater Systems*, WRI, ISBN: 1-56973-460-7.
- SADC 1995. *Protocol on Shared Watercourse Systems in the Southern African Development Community Region*, <http://www.thewaterpage.com/sadcWSCU.htm>
- Savenije, H. and Van der Zaag, P. 1998. *The Management of Shared River Basins: Experiences from SADC and EU*. Ministry of Foreign Affairs, The Netherlands.
- Schulze, R. E. 1997. *South African Atlas of agrohydrology and climatology*. Water Research Commission, Pretoria, Report TT82/96.
- Schulze, R. E. and Perks, L. A. 2000. *Assessment of the impact of climate change on hydrology and water resources in South Africa: Report to the South African Country Studies for Climate Change Programme*, ACRUcons Report 33, School of Bioresources Engineering and Environmental Hydrology, University of Natal, Pietermaritzburg.
- Schulze, R., Meigh, J. and Horan, M. 2001. *Present and potential future vulnerability of eastern and southern Africa's hydrology and water resources*, *South African Journal of Science*, 97, March/April 2001, 150-160.
- Shela, O. N. 1998. *Management of shared river basins – Zambezi River Case Study*. In Savenije H. and Van der Zaag, P., *The Management of Shared River Basins: Experiences from SADC and EU*. Delft, The Netherlands: Ministry of Foreign Affairs.
- Transboundary Freshwater Dispute Database, 2000; <http://www.transboundarywaters.orst.edu/publications/register/images/Africa.gif>
- UN FAO 1995. *Water resources of the African countries: A review*. FAO: Rome.
- United Nations Population Fund 1994. *World population prospects: the 1994 revision*.
- United Nations 2000. *United Nations Millennium Declaration, Resolution adopted by the General Assembly of the United Nations, A/55/L.2*.

United Nations - World Water Development Report 2003. *Water for People, Water for Life (WWAP), Executive Summary*: <http://www.unesco.org/water/wwap/wwdr>

USGS MODIS cover of Africa, *Africa Mosaic from MOD09A1, MODIS Rapid Response Web Fire Maps Land Use Change Initiative*, Samuel Alleaume, Dept. of Geography, Univ. of Maryland, February 2002: <http://rapidfire.sci.gsfc.nasa.gov/>, - Data captured 20011016, MODIS Image Mosaic of Africa.

USGS WEResources page: <http://energy.cr.usgs.gov/oilgas/wep/products/geology/africa.htm>, OFR 97-470A, reclassified.

Vegter, J. R. 1995. *Groundwater Resources of South Africa: An explanation of a set of national groundwater maps*, Report No. TT74/95, Water Research Commission, Pretoria.

Vegter, J. R., Seymour, A. J. and Simonic, M. 1995. *Groundwater resources of the Republic of South Africa. A set of 7 maps*, WRC and the Department of Water Affairs and Forestry.

Vegter, J. R. 2001. *Groundwater Development in South Africa and an introduction of the hydrogeology of groundwater regions*, Report No. TT134/00, WRC, Pretoria.

WRI 1998. *Watersheds of the World CD*, <http://www.iucn.org/themes/wani/eatlas>.

Eastern Africa

Arnell, N. W. 1999. *Climate Change and global water resources*, *Global Environmental Change*, 9, 31-49.

Bwathondi, P. O. J., Ogutu, -Ohwayo, R. and Ogari, J. 2001. *Lake Victoria Fisheries Management Plan*. In: Cowx, I. G. and Crean, K. (eds.), LVFRP/TECH/01/16, Technical Document No. 16.

FAO 1997. *Digital Soil Map of the World (1:5,000,000)*.

FAOSTAT 2000: AQUASTAT Database: FAO, Rome.

GOT 2000. *The Usangu Catchment Baseline 2000. Sustainable Management of the Usangu Wetland and its Catchment (SMUWC) project*.

Hoekstra, T. M. and Corbett, J. 1995. *Sustainable agricultural growth for the highlands of East and Central Africa: Prospects to 2020. Paper presented at the Ecoregions of the developing world: A lens for assessing food, agriculture and the environment to 2020, held at Washington DC, USA. Organised by the International Food Policy Research Institute*.

Johnson, T. C., Kelts, K. and Odada, E. 2000. *The Holocene history of Lake Victoria*. *Ambio*, 29: 2-14.

Kenyan Water Act (Cap.372) 2002. Kenya Gazette Supplement ACTS.

Ministry of Natural Resources, Uganda 1995. *State of Environment Report for Uganda*.

Ministry of Water Development, Kenya 1992. *Water Master Plan: The Study on the National Water Master Plan, Sectorial Report (B) Hydrology*.

NEMA 1999. *State of Environment Report for Uganda 1998*. National Environment Management Authority, Kampala.

Odada, E., Olago, D., Kulindwa, K., Bugenyi, F., Ntiba, M., West, K., Aloo-Obudho, P., Ochola, P., Wandiga, S. and Karimurumyango, J. 2002. *Scaling and Scoping Report: Sub-region 47 (a,b,c,d)- East African Valley Lakes*. *Global International Waters Assessment (GIWA), Pan-African Start Secretariat (PASS), Nairobi, Kenya*.

Shapiro, R. L., Otieno, M. R., Adcock, P. M., Phillips-Howard, P. A., Hawley, W. A. and Shuttleworth J. 1992. *Evaporation*. Chapter 4 of the *Handbook of Hydrology*, Maidment, D. (ed.). McGraw-Hill: New York; 4.1-4.53.

Sharma, N. P., Damhaug, T., Gilgan-Hunt, E., Grey, D., Okaru, V. and Rothberg, D. 1996. *African Water Resources: Challenges and opportunities for sustainable development*, World Bank, Washington, D.C., WB T.P. No.331.

SMUWC 2001. *Main report-Annex 1: The Usangu Catchment-Baseline 2001*. Available online at <http://www.usangu.org/>

UNDP 2000. *Human Development Report 2000*. United Nations Development Programme. Oxford University Press, New York.

UNDP, UNEP, World Bank and WRI 2000. *World Resources 2000-2001: People and Ecosystems: The Fraying Web of Life*. World Resources Institute, Washington D.C.

UNEP 2002. *Africa Environment Outlook (AEO)*.

URT 1995. *Rapid Water Resources Assessment. Vol I; Main Report*. Ministry of Water Energy and Minerals, Dar es Salaam, Tanzania.

URT 1995. *Rapid Water Resources Assessment. Vol II; Basin Report*. Ministry of Water Energy and Minerals, Dar es Salaam, Tanzania.

URT 2002. *The Economic Survey 2001. The President's Office-Planning and Privatisation*. Dar es Salaam, Tanzania.

WHO/UNICEF 2000. *Global Water Supply and Sanitation Assessment 2000 Report*. World Health Organization, Geneva.

Witte, F., Goldschmidt, T., Wanink, J. M., Oijen, M. J. P., Van Witte-Mass, E. L. M. and Bouton, N. 1992. The destruction of endemic species flock; quantitative data on decline of haplochromine cichlids of Lake Victoria. *Environmental Biology of Fishes*, 29: 1-28.

WRI 1998. *Watersheds of the World CD*, <http://www.iucn.org/themes/wani/earthatlas>.

Western Africa

Ayibotele N. B. 1993. *Regional Hydrology and Water Resources in the African Humid Tropics*. In Bonell, M., Hufschmidt, M. M. and Gladwell, J. S. (eds.): *Hydrology and Water Management in the Humid Tropics*, Cambridge University Press, 590 pp.

Ecossen Project 2000.

Gibb, A. and Partners 1987. *Etude de la gestion des ouvrages communs de l'OMVS. Final Report. Electricité de France Euroconsult Rapports phase 1 Volume IB Optimisation*.

Gibb, A. and Partners 1987. *Etude de la gestion des ouvrages communs de l'OMVS. Rapports phase 1, Volume 1B, Optimisation de la crue artificielle. Electricité de France Euroconsult*.

GWP/WATAC 2000. *La gestion intégrée des ressources en eau. GWP/Technical Advisory Committee (TAC). Background Papers No. 4, Stockholm*.

GWP/WATAC 2000. *West African Water Vision. GWP/Technical Advisory Committee (TAC). Water Forum Papers*.

IPCC 2001. *The Scientific Basis. Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)*. Houghton, J. T., Ding, Y., Griggs, D. J., Noguer, M., Van der Linden, P. J. and Xiaosu, D. (eds.) Cambridge University Press, UK, p. 944.

IPCC 2001. *Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)*. McCarthy, J. J., Canziani, O. F., Leary, N. A., Dokken, D. J. and White, K. S. (eds.) Cambridge University Press, UK, 1000 pp.

IPCC 2001. *Mitigation. Contribution of Working Group III to the Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)*. Metz, B., Davidson, O., Swart, R. and Pan, J. (eds.) Cambridge University Press, UK, 700 pp.

Le Barbe, L. and Lebel, T. 1997. *Rainfall Climatology of the HAPEX-SAHEL region during the years 1950-1990*. In: Goutorbe, J. P., Dolman, A. J., Gash, J. H. C., Kerr, Y., H., Lebel, T., Prince, S. D. and Strickler, J. N. M. (eds.): *HAPEX-SAHEL*; Elsevier, 1079 pp.

Moff MacDonalld 1992. *Sub-Saharan Africa Hydrological Assessment Project. Regional Report, West Africa*.

Nwilo, P. C. and Badejo, O. T. 2003. *Impact of oil spills along the Nigeria coast in: Strategies for the Management of Pollution and Sedimentation*, pp.53-63, in: *Nigeria Inland Waterways* (Ibe, A. C., Ukwe, C. N. and Nwilo, P. C. (eds.)). United Nations Industrial Development Organisation (UNIDO), Regional Industrial Development Centre, Lagos, Nigeria.

Rasmussen, K., Larsen, N., Planchon, F., Andersen, J., Sandholt, I. and Christiansen, S. 1999. *Agricultural systems and transnational water management in the Senegal River Basin. GeografikTidsskrift, Danish Journal of Geography*, 99, 59-68.

Sehmi, N. S. and Kunzewicz, S. W. 1997. *Water, Drought and Desertification in Africa*. In: *Sustainability of Water Resources under Increasing Uncertainty. Proceedings of Rabat Symposium SI, April 1997*.

Northern Africa

Abu-Zeid, K. 1996. *Proper Water Resources Assessment. World Water Congress. International Water Resources Association*.

Abu-Zeid, K. 2004. *Framework for the Implementation of the Regional Strategy for the Utilisation of the Nubian Sandstone Aquifer System. GEF/UNDP/IAEA Workshop*.

CEDARE 2001. *Regional Strategy for the Utilisation of the Nubian Sandstone Aquifer System*.

CEDARE/GWP-Med 2002. *Framework for Action for North Africa*.

Environmental Systems Research Institute (ESRI) 1992. *Digital Chart of the World (DCW)*.

ESRI 1998. *ArcAtlas*

Nile Water Sector 2003. *Vulnerability of Water Resources in the Nile River Basin. Ministry of Water Resources & Irrigation, Egypt*.

UNEP-GEF 1998. *Water and Climatic Changes in North Africa, a book published within the framework of Project RAB94G31*.

UNEP-GEF 2002. *Climate and Health in North Africa, a book published within the framework of the UNEP-GEF Project RAB94G31*.

UNESCO 2001. *Internationally Shared (Transboundary) Aquifer Resources Management. Vulnerability of Northern African Countries to Climatic Changes*.

http://www.cckn.net/compendium/north_africa.asp

*Water Resources eAtlas, 2003. Watersheds of the World: IUCN-IWMI-RAMSAR-WRI.
World Resources Institute (WRI) 2002.
World Bank 2001. Nile Basin Initiative.*

Chapter 4

*Ashton, P. J. 2002. Avoiding Conflicts over Africa's Water Resources, Ambio, Vol. 31, No. 3, 236-242.
UNEP 2003. Global Environment Outlook, GEO-3 (Report and Data Compendium). United Nations Environment Programme DEWA/GRID, Geneva.*