

BIBLIOGRAPHY

- ACOCKS, J.P.H. 1975. Veld types of South Africa Memoirs of the Botanical Survey of South Africa No. 40. Pretoria. Botanical Research Institute.
- ADAMS, W.M. AND M.J. MORTIMORE. 1997. Agricultural intensification and flexibility in the Nigerian Sahel. *The Geographical Journal* 167, 150 - 160.
- AGRIFUTURA. 1995. *Agrifutura, 1994/95*. University of Stellenbosch. Stellenbosch.
- AINSLIE, A. 1997. Rural livelihoods and local level natural resource management in Peddie district. Grahamstown: ISER, Rhodes University.
- ANDERSON, J. R. AND J. THAMPAPILLAI. 1990. Soil Conservation in Developing countries: Project and Policy intervention. Policy and Research Series No.8 Policy Research and External Affairs. World Bank. Washington DC.
- ANONYMOUS. 1923. Final Report of the Drought Investigation Commission. Government Printer. Cape Town. U.G. 49-'23.
- ANONYMOUS. 1951. Report of the Desert Encroachment Committee. Government Printer. Pretoria. U.G. 59/1951.
- ANONYMOUS. 1986a. Agricultural Development Programme of the Highveld Region. Government Printer. Pretoria.
- AUERBACH, R. 1997. People and South African Integrated Catchment Management. Water Research Commission Report No.684/1/97.
- BEINART, W. 1984. Soil erosion, conservationism and ideas about development: a southern African exploration, 1900 - 1960. *Journal of Southern African Studies* 11: 52 - 83.
- BEINART, W. 1996. Soil erosion animal and pasture over the longer term: environmental destruction in South Africa. In Leach, M and R. Mears (eds): *The lie of the land*. The International African Institute, London.
- COOPER A. 1966. Soil conservation policy in South Africa, 1910- 1992: The Human Dimension'. Unpublished Ph.D. thesis, University of Natal, Durban.

- BINSWANGER H.P. 1989. "Brazilian Policies that Encourage Deforestation the Amazon". World Bank Environment Department Paper No. 16. Washington DC.
- BLAIKE, P.1985. The political economy of soil erosion in developing countries. Longman Group; Harlow.
- BLAIKE, P. AND H. BROOKFIELD. 1987. "Land Degradation and Society". Methuen & Co., London.
- BOND, P. 1998a. Uneven development, in P O'Hara (ed.), "The encyclopedia of political economy". London: Routledge.
- BOSERUP, E. 1965. The condition of agricultural growth. London: Allen and Unwin.
- BOSERUP, E. 1981. Population and technological change. Chicago: University of Chicago Press.
- BOUCHER, K.1991. *The effect of pineapple cultivation on factors influencing soil erodibility in the eastern Cape, South Africa*. Unpublished MSc thesis. Rhodes University, Grahamstown.
- CARTER, M. AND J. MAY. 1997. Poverty, livelihood and class in rural South Africa. Paper delivered at the Land and Agriculture Policy Centre conference on Rural Poverty and Sustainable Livelihoods. Johannesburg.
- CENTRAL STATISTICAL SERVICE, 1991. Agricultural survey. Pretoria: CSS.
- CENTRAL STATISTICAL SERVICE, 1994. Gross Geographic Product at factor incomes by kind of economic activity and magisterial district, 1991 Statistical Release P0401. Pretoria: CSS.
- CHATURVEDI, S.1996. "Rural enterprise development: the Stutterheim experience in South Africa". Manual prepared for the Stutterheim Development Foundation. Stutterheim:
- CHUTTER, F. AND J. ROUSSOW. 1992. The management of phosphate concentrations and algae in Hartebeesport Dam. Water Research Commission Report No. 289/1/92
- COOPER A. 1996. Soil conservation policy in South Africa, 1910- 1992: The 'Human Dimension'. Unpublished Ph.D. thesis, University of Natal, Durban.

- CROSSON P. R. AND J. R. ANDERSON. 1992. "Resources and Global Food Prospects: Supply and Demand for Cereals to 2030". World Bank Technical Paper No. 184, World Bank. Washington DC.
- CROSSON, P. R. AND J. R. ANDERSON. 1993. "Concern for sustainability: Integration of Natural Resources and Environmental Issues in the Research Agendas of NARS". ISNAR Research Report No.4. The Hague.
- DAY, J.A. AND J.M. KING. 1995. Geographical patterns, and their origins, in the dominance of major ions in South African rivers. *South African Journal of Science* 91: 299-306.
- DBSA, n.d. Land use, agricultural productivity and farming systems in southern Africa. Midrand: DBSA: unpublished paper.
- DE VILLIERS, JM. 1962. *A study of soil formation in Natal*. Unpublished Ph.D. Thesis. University of Natal.
- DE WET, C. J.1990. The socio-ecological impact of development schemes in the 'homelands' of South Africa. *South African Journal of Science* 86: 440 – 447.
- DE WIT, C. T. 1990. "Understanding and Managing changes in Agriculture" in J.W.G. Jones (ed.) *System Theory Applied in Agriculture and the Food Chain*, Elsevier.
- DEPARTMENT OF AGRICULTURE (NATAL REGION). 1991. Erosion studies using natural runoff plots. Facet progress report for 09/91. Unpublished report.
- DURAIAPPAH, A. 1996. "Poverty and Environmental Degradation: A Literature Review and Analysis". CREED Working Paper Series No. 8, IIED. Amsterdam.
- EDWARDS, P.J.AND D.M. SCOTNEY. 1978. Site assessment for pasture production, *Proceedings of the Grassland Society of South Africa*, 13: 65-70.
- EASTERN CAPE SOCIO-ECONOMIC CONSULTATIVE COUNCIL (Ecsecc). 1998. *Local economic development in the Eastern Cape: a people-driven option*. Unpublished discussion document.

- FAN, S. AND P. HAZELL. 1997. "Should India Invest More in Less Favored Areas?" IFPRI, EPTD Discussion Paper No 25, April 1997. Washington DC.
- FAO. 1989. "Soil Conservation for Small Framers in the Humid Tropics" FAO Soil Bulletin 60, Rome.
- FAO. 1995. "Special Programme on Food Production in Support of Food Security in LIFDCS: Advisory Note on participatory Analysis of Constraints and Opportunities".
- FAO. 1996. "Lessons from the Green Revolution – Towards a New Green Revolution" FAO Technical Background Doc. 6, World Food Summit, 13 – 17 November 1996, FAO, Rome.
- FAO. 1996. "Women Feed the World", FAO Fact Sheet, World Food Summit, 13-17 November 1996, FAO, Rome.
- FAO. 1996. "World Agriculture: Towards 2010". N. Alexander, (ed.), John Wiley and Sons.
- FITZPATRICK, RW. 1978. Occurrence and properties of iron and titanium oxides in soils along the astern seaboard of South Africa. University of Natal, Pietermaritzburg. Department of Soil Science and Agrometeorology. Unpublished Ph.D. Thesis.
- FOSTER, J., GREER J., AND E. THORBECKE. 1984. "A Class of Decomposable Poverty Measures". *Econometrica* 52: 761-766
- FRD, 1992. "Rural Poverty Alert: challenging science and technology". *FRD Report Series*.
- FREEBAIRN, D.K. 1995, "Did the Green Revolution Concentrate Incomes? A Quantitative Study of Research Reports". *World Development*. Vol.23, pp 265-279.
- FUGGLE, .RF AND M. A. RABIE. 1992. *Environmental Management in South Africa*. Cape Town: Juta & Co.
- GARLAND, G.G. 1988. "Experimental footpath soil losses and path erosion risk assessment in the Natal Drakensberg". Unpublished Ph.D. thesis, University of Natal, Pietermaritzburg.

- GARLAND, G.G. 1995. Soil erosion in South Africa: technical review. National Department of Agriculture. Pretoria.
- GREY D. AND O. JACOBS (n.d). The impact of harvesting on forest site quality. Unpublished Report.
- GREPPERUD, S. 1997. "Poverty, Land Degradation and Climate Uncertainty". *Oxford Economic Papers*. October 49 (4) 586-608.
- HELLAWELL, J.M. 1986. Biological indicators of freshwater pollution and environment management. Elsevier Applied Science; London.
- HILL, KAPLAN, SCOTT INCORPORATED, 1987. Ciskei National Development Plan. Johannesburg: Hill, Kaplan, and Scott Incorporated.
- HUMAN SCIENTIFIC RESEARCH COUNCIL (HSRC). 1991. Education Foundation. Reference in Posel, D and J, May. A sub-regional study for KZN: a poverty profile of the JSB regions.
- IFAD. 1992. "The State of World Rural Poverty; An Inquiry into Its Causes and Consequences" by Jazairy, I., M. Alamgir and T. Panuccio. New York University Press New York.
- INTERGRATED PLANNING SERVICE (IPS). 1997. Local economic development in the Bergville District, November 1997.
- JODHA, N.S. 1991. "Rural Common Property Resources and Rural Poor in Dry Regions in India". *Economic and Political Weekly*, 21: 1169-1181.
- JODHA, N.S. 1991. "Sustainable Agriculture in Fragile Resource Zones: Technological Imperatives". *Economic and Political Weekly*. Vol. 26 (13).
- JOUBERT, A.M. AND B.C.HEWITSON. 1997. Simulating present and future climates of southern Africa using General Circulation Models. *Progress in Physical Geography* 21: 51- 78.
- KANBUR R. 1987. "Measurement and Alleviation of Poverty". IMF Papers. Washington DC.

- KANBUR R. 1990. "Poverty and the Social Dimensions of structural adjustment in Cote d'Ivoire". Social Dimensions of Structural Adjustment in Sub-Saharan Africa: policy Analysis. The World Bank. Washington DC.
- KASSIER, W.E, 1988. Marketing potential of irrigation crops in Region D. Stellenbosch: University of Stellenbosch.
- KOKOT, D.F. 1948. An investigation into the evidence bears on recent climatic changes over southern Africa. Irrigation Department Memoir. Government Printer, Pretoria.
- KUMAR, S. AND D HOTCHKISS. 1988. Consequences of Deforestation for Women's time allocation Agricultural Production and Nutrition in Hill Areas of Nepal. IFPRI Research Report No. 69, October.
- LAKER, M. C. 1993. Human-induced soil degradation in Africa. Proceedings of the Veld Trust Jubilee Conference, Pretoria, November 2-4, pp.76-86.
- LE MAITRE, D., BOSCH, J AND W. LESCH. 1993. Management of riparian zones for water yield and quality. In: Boucher, C. and C. Marais (eds.), Managing Fynbos Catchments for Water. Proceedings of a workshop held on 30 November 1993 at Stellenbosch, SA. FRD Programme Report Series 24. pp 88-98.
- LIGGIT, B.1988. . An investigation into soil erosion in the Umfolozi catchment. Unpublished MSc thesis. University of Natal, Pietermaritzburg.
- LINIGER, H AND G VAN LYDEN. 1998. WOCAT: A framework for the evaluation of soil and water conservation. Questionnaire on the SWC map. World Overview of Conservation Approaches and Technologies, Bern Switzerland.
- LIPTON M. 1997A. "Accelerated Resource Degradation by Agriculture in Developing Countries? The Role of Population Change and Response to it". In S.A. Vosti and T. Reardon (eds.) "Sustainability, Growth and Poverty Alleviation". Johns Hopkins University press, Baltimore.

- LIPTON M. 1997B. "Exogenous Interest Rates, Technology and Farm Prices versus Endogenous Conservation incentives and Policies" In S.A. Vosti and T. Reardon (eds.) "Sustainability, Growth and Poverty Alleviation". Johns Hopkins University Press, Baltimore.
- LIPTON, M. AND M. LIPTON. 1993. Creating rural livelihoods: some lessons for South Africa from experiences elsewhere. *World Development* 21: 1515-1548.
- MAHER, G.1990. Phase two of the small catchment project at La Mercy. *Proceedings of the South African Sugar Technologists Association*. June.
- MAKALIMA JOHNSTON ASSOCIATES. 1997. Stutterheim; draft structure plan. Unpublished document for the Stutterheim Transitional Local Council. East London.
- MAKHANYA. 1993. The use of SPOT images for mapping rural settlements and land degradation in the less developed areas of South Africa. *ITC Journal* 3: 276 – 281.
- MARQUETTE, C.1997a. Population and environment relationships in developing countries: a select review of approaches and methods. Bergen: Christian Michelsen Institute. *Working Paper* 1997: 15
- MARQUETTE, C.1997b. Turning but not toppling Malthus: Boserupian theory on population and environment relationships. Bergen: Christian Michelsen Institute. *Working Paper* 1997: 16
- MASON, S.J. 1996. Climatic change over the Lowveld of South Africa. *Climatic Change* 32: 35 - 54.
- MASON S.J. AND M.R. JURY. 1997. Climatic variability and change over southern Africa: a reflection on underlying processes. *Progress in Physical Geography* 21: 23-50.
- MATTHEE, J.F. 1984. A Primer of Soil Conservation. Government Printers: South Africa: pp 1-125.
- MAY, J. 1996. Assets, income and livelihoods in rural KwaZulu Natal, in Lipton, M and F Ellis (ed.) " Land labour and livelihoods in rural South Africa".

- MAY, J. 1996. Poverty, livelihoods and food security in South Africa. Proposal.
- MAY, J., CARTER, M AND D. POSEL. 1995. The Composition and Persistence of Poverty in Rural South Africa. Johannesburg: LAPC.
- McPHEE, P.J, SMITHEN, A. A., VENTER, C. J. HARTMANN, M. O. AND C. T. CROSBY. 1984. The South African rainfall simulator programme for assessing soil loss and runoff. Pro. National SA Hydrology Symposium. pp 352-363.
- MINK, S.D. 1993. "Poverty, Population and Environment". World Bank Discussion Paper No. 189. Washington DC.
- MORTIMORE, M.J. 1989. "Adapting to Drought: farmers, Famines, and Desertification in West Africa". Cambridge University Press, Cambridge.
- MORTIMORE, M.J. AND M. TIFFEN. 1995. Population in environment and time perspective: the Machankos story. In: Binns, T. (ed.) People and environment in Africa. John Wiley and Sons Chichester. pp 69-89.
- NELSON M. 1997. "Report of the Study on CGIAR Research Priorities for Marginal Lands". CGIAR TAC Secretariat, FAO, TAC Working Document.
- NICHOLSON, G. 1995. Environmental report of the KwaZulu Natal Priority Study. Development Bank of Southern Africa, Halfway House.
- NOORGARD.G. 1994. *Development Betrayed*. London: Routledge.
- OLDEMAN, L.R., VAN ENGELEN, V.W.P., AND J.H.M. PULLEN. 1991. The extent of human – induced soil degradation. In Oldeman L.R., Hakkeling R.T.A., and W.G. Sombroek (eds). *World map of the status of human-induced soil degradation: an explanatory note*. ISRIC, Wageningen: pp 27-33.
- PAGIOLA, S. AND J. DIXON. 1997. "Land Degradation Problems in El Salvador". Annex 7. El Salvador Rural Development Study Report, No 16253-ES. World Bank, Washington DC. August.

- PHILLIPS, P.J. 1973. The Agricultural and related development of the Tugela basin and its influent surrounds. Pietermaritzburg: The Town and Regional Planning Commission, Natal.
- PIERI, C. 1995. "Land Quality Indicators". Washington, DC: World Bank Discussion Paper No.315.
- PLATFORD, G. 1982. The determination of some soil erodibility factors using a rainfall simulator. Proceedings of the South African Sugar Technologists Association, June.
- POSEL, D. AND J, MAY. 1995. A sub-regional prioritisation study for KwaZulu Natal: a poverty profile of the Joint Services Boards regions.
- PRESIDENT'S COUNCIL, 1991. Report of the three committees of the President 's council on national environmental management system. Government Printer, Cape Town.
- RECONSTRUCTION AND DEVELOPEMNT OFFICE. 1995. Key indicators of poverty in South Africa. Pretoria: Government printers.
- REDFORD, K., R. GODSHALK AND K. ASHER. 1995, "What about Wild Animals? Wild Animal Species in Community Forestry in the Tropics". FAO Community Forestry Note 13. FAO. Rome, Italy. 96pp.
- REPETTO, R., W. MAGRATH, M. WELK, C. BEER AND F ROSSINI. 1989. *Wasting Assets*. World Resources Institute, Washington DC.
- REPUBLIC OF SOUTH AFRICA. 1966. *Constitution of the Republic of South Africa 1966*. Government Printer, Pretoria, South Africa.
- ROWNTREE, K.1991. An Assessment of the potential impact of alien invasive vegetation on the geomorphology of river channels in South Africa. *Southern African Journal of Aquatic Sciences* 17: 28-43.
- ROUX P.W. 1990. The general condition of the veld in the Republic of South Africa. In: "Save our Soil". Proceedings of the Veld Trust Conference on the conservation status of agricultural resources in the Republic of South Africa.

- SCHERR, S.J. n.d. "Is Soil Degradation a Threat to Developing Country's Food Security?" Food Agriculture, and the Environment Discussion Paper. IFPRI. Washington DC.
- SCHERR, S., L. A. JACKSON AND P. TEMPLETON. 1995. "Living on the edge: Crafting land use policies for the tropical hillsides in 2020". Paper presented at the workshop on Land Degradation in the Developing World: Implications for Food, Agriculture, and the Environment to the year 2020". IFPRI. Annapolis, MD, USA. April 4-6.
- SCHERR, S.J. AND S. YADAV. 1996 "Land Degradation in the Developing World: Implications for Food, Agriculture, and the Environments to the year 2020". IFPRI. Annapolis, MD, USA.
- SCHOEMAN, J.L., AND D.M. SCOTNEY. 1987. Agricultural potential as determined by soil, terrain and climate. *South African Journal of Science* 83: 260-268.
- SCHULZE, RE. 1982. *Agrohydrology and climatology of Natal*. Pretoria: Water Research Commission.
- SCHULZE, R. E., MAHARAJ M., LYNCH, S.D., HOWE, B.J., AND B. MELVIL-THOMSON. 1997. *South African Atlas of Agrohydrology and Climatology*. Water Research Commission: Pretoria. pp 1- 276.
- SCOTT, D.F., LE MAITRE, D.C. AND D.H.K. FAIRBANKS. 1998. Forestry and streamflow reductions in South Africa: A reference system for assessing extent and distribution. *Water SA* 24 (3): 187-1999.
- SIMPSON, D. E. 1991. Quantification of the effect of land-use on runoff water quality in selected catchments in Natal. Unpublished report No. 237/1/91. CSIR, Pretoria.
- SMITHEN, A.A AND R. E. SCHULZE. 1982. The spatial distribution in Southern Africa of rainfall erosivity for use in the universal soil loss equation. *Water SA* 8: 74-78.
- SOUTH AFRICAN BROADCASTING CORPORATION. 1993. "The Stutterheim Forum". Video documentary. Johannesburg: SABC.

- SOUTH AFRICAN GOVERNMENT. 1997. *White Paper on Environmental Management Policy for South Africa*. Department of Environmental Affairs and Tourism. Pretoria, South Africa.
- SOUTHERN AFRICAN LABOUR AND DEVELOPMENT RESEARCH UNIT (SALDRU), 1995 Statistics on living standards and development. Cape Town SALDRU
- SOUTHGATE, D. 1988. "The Economics of Land Degradation in the Third World". World Bank Environment Department Working Paper No. 2. Washington DC.
- STATISTICS SOUTH AFRICA. 1998. The People of South Africa Population Census, 1996. *Census in Brief, Report No1: 03-01-11(1996)*, Statistics South Africa, Pretoria.
- SNYMAN .H.A. 1998. Dynamics and sustainable utilisation of rangeland ecosystems in arid and semi-arid climates of southern Africa. *Journal of Arid Environment* 39:645-666.
- TECHNICAL ADVISORY COMMITTEE OF THE CGIAR (TAC). 1997. "Priorities and Strategies for Soil and Water Aspects of Natural Resources Management in the CGIAR". FAO. Rome
- TIFFEN, M., MORTIMORE, M.J. AND F GICHUKI. 1994. More people, less erosion: environmental recovery in Kenya. John Wiley and Sons, Chichester.
- THOMPSON, M.1996. A standard land-cover classification scheme for remote – sensing applications in South Africa. *South African Journal of Science* 92: 34-42
- VAN DE WALLE, D. 1996. "Infrastructure and Poverty in Vietnam". LSMS Working Paper No. 121, World Bank. Washington DC.
- VAN RIET, W., CLASSEN, P., VAN RENSBURG, J., VAN VIEGEN, T. AND L. DU PLESSIS. 1997. Environmental Potential Atlas for South Africa. Van Schaik, Pretoria.
- VAN RENSBURG, H. 1992. Soil is life. *South African Panorama*. 80 - 83.
- VELOZ, A., SOUTHGATE, D., HITHUSEN F, AND R. MACGREGOR. 1985. "The Economics of Erosion Control in a Subtropical Watershed: A Dominican Case." *Land Economics* 61 (2): 145-55

ANNEX 1

- VERVELD, D.B., LE MAITRE, D.C. AND R.A. CHAPMAN. 1998. *Alien invading plants and water resources in South Africa: a preliminary assessment*. Water Research Commission. Pretoria. TT99/98
- VERSTER, E., DU PLESSIS, W., SCHLOMS, B.H. A. AND R.F. FUGGLE. 1992. Soil. In: In Fuggle & M. A. Rabie. (eds.) *Environmental management in South Africa*. Juta & Co., Cape Town.
- VOGEL, C.H. 1989. A documentary-derived climatic chronology for South Africa, 1820 - 1900. *Climatic Change* 14: 291 - 307.
- VON BRAUN, J. 1997. "The Links between Agricultural Growth, Environmental Degradation and Nutrition and Health: Implications for Policy and Research". In S. Vosti and T. Reardon. 1997. "Sustainability, Growth, and Poverty Alleviation: A policy and Agroecological Perspective". The Johns Hopkins University Press, Baltimore. pp 66-78.
- VOSTI, S AND T. REARDON. 1997. "Sustainability, Growth, and Poverty Alleviation: A policy and Agroecological Perspective". The John Hopkins University Press, Baltimore.
- WALTON, M. 1997. "A note from the Poverty Sector Board". Mimeo to all Bank Staff. August. World Bank Washington DC.
- WASSON, R. 1987. "Detection and measurement of land degradation process" in Chisholm and Dumsday (eds.) *Land degradation: Problems and policies*. Cambridge University Press. London.
- WEAVER, A. 1989. Rainfall erosivity in the Ciskei: its estimation and relationship with observed soil erosion. *The SA Geographer* 17: 13 – 23.
- WILCOCKS, J.R.N. 1977. *Desert encroachment in South Africa*. Unpublished MA thesis. University of the Witwatersrand, Johannesburg.