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REPUBLIC OF KENYA

MINISTRY OF AGRICULTURE—NATIONAL AGRICULTURAL LABORATORIES

# KENYA SOIL SURVEY

## LIST OF PUBLICATIONS

APRIL, 1980.

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Kenya Soil Survey  
OPl/FAO/HMB - 16/4/1980

Kenya Soil Survey  
National Agricultural Laboratories  
Waiyaki Way  
P.O. Box 14733  
Tel. 48211  
NAIROBI

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LIST OF PUBLICATIONS OF THE KENYA SOIL SURVEY  
FROM 1972 ONWARDS

Note: For details on soil investigations prior to 1972 see:

Ableiter, J.K. and  
van Baren J.H.V.  
1971

\* Soil survey data and methods; Report  
to the Government of Kenya, FAO report  
TA 2914, Rome

Nyandat, N.N.  
1972

\* Bibliography of papers which may relate  
to soil formation and distribution in  
Kenya, Soil Survey Unit, N.A.L.

\* (photo) copies available on request at K.S.S.

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EXPLORATORY SOIL MAP OF KENYA

(scale 1:1,000,000; in preparation)

Four draft maps at scale 1:500,000 (whole of Kenya) available for reference at K.S.S.

Legend to exploratory soil map, second draft

May, 1980

by W.G. Sombroek and B.J.A. van der Pouw; see internal communication 22.

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LIST OF RECONNAISSANCE SOIL SURVEY REPORTS

(scale 1:100,000)

<u>Serial No.</u>	<u>Author(s)</u>	<u>Title</u>	<u>Date of issue</u>
R 1	R.F. van de Weg, and J.P. Mbuvi (eds.)	Soils of the <u>Kindaruma</u> area (quarter-degree sheet 136)	1975
	(mimeographed edition 1975; printed edition 1976 available at KSh. 30/= from KSS or Government Printer)		
R 2	H.F. Gelens, H.C. Kinyanjui and R.F. van de Weg (ed)	Soils of the <u>Kapenguria</u> area (quarter degree sheet 75)	1976
	(mimeographed edition 1976, printed version 1976 available at KSh. 40/= from KSS or Government Printer)		
R 3	D.O. Michieka, B.J. van der Pouw and J.J. Vleeshouwer (mimeographed edition 1978)	Soils of the <u>Kwale</u> area (quarter degree sheets 200, 201, 202)	1978
R 4	Training Project in Pedology/Kisii	Soils of the <u>Kisii</u> area (quarter degree sheet 130)	in prep.
R 5	F.N. Muchena et al.	Soils of the <u>Makueni</u> area (quarter degree sheet 163)	
R 8	D.O. Michieka et al.	Soils of the <u>Busia</u> area (sheet 101)	in prep.
R 9	F.N. Muchena et al.	Soils of the <u>Bura East</u> area (parts of sheets 141 and 155) and their suitability for irrigated agriculture	in prep.

LIST OF RECONNAISSANCE SOIL SURVEY REPORTS

(scale 1:250,000)

<u>Serial No.</u>	<u>Author(s)</u>	<u>Title</u>	<u>Date of issue</u>
R 6	L. Touber	Reconnaissance soil and vegetation survey of the <u>Amboseli-Kibwezi</u> area (in cooperation with FAO)	in prep.
R 7	W. van Wijngaarden	Reconnaissance soil and vegetation survey of the <u>Tsavo</u> area ( <u>Mtito Andei</u> and <u>Voi</u> sheets) (in cooperation with WOTRO, The Netherlands)	in prep.

LIST OF REPORTS OF RECONNAISSANCE SOIL SURVEYS NOT CARRIED  
OUT BY KSS

<u>Serial No.</u>	<u>Author(s)</u>	<u>Title</u>	<u>Date of issue</u>
Ra	Scott et al.	Soils of the <u>Nairobi/Thika/ Machakos area</u> , Dept. of Agriculture, Nairobi. (out of stock)	1963
Rb	I. Touber	Soil map of the <u>Athi-Kapiti</u> plains. (printed map with legend available only) in cooperation with FAO	1978
Rc	H.R. Sketchley J.P. Mbuvi F.M. Scilley	Reconnaissance soil survey of portions of the <u>Machakos- Kitui-Embu area</u> (survey carried out by USAID/GOK Marginal semi-arid lands pre- investment inventory team. Report no. 10-Soil Science, part I	1978
Rd	J.P. Mbuvi S.M. Wokabi F.M. Scilley H.R. Sketchley	Reconnaissance soil survey of <u>Baringo-Kerio Valley area</u> (survey carried out by USAID/ GOK Marginal semi-arid lands pre-investment inventory team. Report no. 10-Soil Science - part II	1978

LIST OF SEMI-DETAILED SOIL SURVEY REPORTS

<u>Serial No.</u>	<u>Author(s)</u>		<u>Date of issue</u>
S 1 *	J. Thorp et al.	Soil survey of the <u>Songhor</u> area	1960
S 2 *	F.T. Miller et al.	Soil survey of the <u>East</u> <u>Konyango</u> area	1961
S 3	D.O. Michieka B.J.A. van der Pouw	Soils and vegetation of the <u>Kiboko Range Research</u> Station	1977
	(mimeographed ed. 1977).		
S 4	J.M. Kibe O.O. Oswago K.L. Sogomo	Semi detailed soil survey of a part of <u>Muhoroni</u> area (Mgomwet, Kaplelach, Muyongo, Nyaberi and Simbi; Kericho District)	in prep.

\* carried out by NAL/USAID personnel prior to the existence of the Kenya Soil Survey as such.

LIST OF DETAILED SURVEY REPORTS

<u>Serial No.</u>	<u>Author(s)</u>	<u>Title</u>	<u>Date of issue</u>
D 1	F.N. Muchena	Soils of the <u>Kampi ya Mawe</u> Agricultural Experimental Station	1975
D 2	F.N. Muchena and G. Ngari	Soils of the proposed <u>Wamumu</u> Extension of Mwea Irrigation Settlement Scheme	1975
D 3	E.N.K. Mugai H. Bonarius and P.N. Njoroge	Detailed soil survey of the proposed extension of <u>Kimala</u> Irrigation Scheme (Taita-Taveta District)	1976
D 4	H. Bonarius and E.N.K. Mugai	Detailed soil survey of the <u>Jara-Jara</u> Irrigation Scheme (Mbalambala)	1977
D 5	E.N.K. Mugai and H. Bonarius	Detailed soil survey of the <u>Kainuk I</u> Irrigation Scheme (Turkwel river)	1977
D 6	P.J.K. Kanake and E.N.K. Mugai	Detailed soil survey of the <u>Mnazini</u> Irrigation Scheme (lower Tana area)	1977
D 7	W. Siderius and R.M. Muriuki	Detailed soil survey of the Seeds Testing Station <u>Lanet</u> (Nakuru)	1977
D 8	P.J.K. Kanake and E.N.K. Mugai	Detailed soil survey of the <u>Wema</u> and <u>Hewani</u> Irrigation Schemes (Lower Tana)	1977
D 8a	E.N.K. Mugai	Detailed soil survey of the proposed extensions of <u>Hewani</u> Irrigation Scheme	1979
D 9	E.N.K. Mugai	Detailed soil survey of the <u>Malka Daka</u> Irrigation Scheme (Ewaso Nyiro)	1977
D 10	O.O. Oswago	Detailed soil survey of <u>Kibirigwi</u> Irrigation Scheme	1979
D 11	E.N.K. Mugai and P.J.K. Kanake	Detailed soil survey of <u>Kimana</u> Irrigation Scheme (Kajiado District)	1978
D 12	E.N.K. Mugai and B.J.A. van der Pouw	Detailed soil survey of an experimental site for the <u>Bura</u> Irrigation Settlement Project	1978

D 13	F.N. Muchena C.R.K. Njoroge	Detailed soil survey of the <u>Jomo Kenyatta College</u> of Agriculture and Tech- nology, Juja (Kiambu District)	1978
D 14	H.C. Kinyanjui	Detailed soil survey of <u>Tatton Farm</u> - Egerton College (Njoro)	1980
D 15	W.N. Wamicha D.N. Mungai and M.M. Gatahi	Detailed soil survey of the Beef Research Station, <u>Lanet</u> (Nakuru)	1980
D 16	K.L. Sogomo et al.	Detailed soil survey of the <u>Garissa</u> ADC Horticul- tural Farm	in prep.
D 17	P.J.K. Kanake	Detailed soil survey of the <u>Oda</u> Irrigation Scheme	in prep.
D 18	P.J.K. Kanake	Detailed soil survey of the <u>Ngao</u> Irrigation Scheme	in prep.
D 19	P.J.K. Kanake	Detailed survey of the <u>Kainuk I</u> extension	in prep.
D 20	E.N.B. Njeru	Detailed survey of the <u>Tikondo</u> Irrigation Scheme	in prep.
D 21	J.R. Rachilo	Detailed soil survey of the ICIFE Experimental Farm, <u>Mbita Point</u>	in prep.

LIST OF SITE EVALUATION REPORTS

<u>Serial No.</u>	<u>Author(s)</u>	<u>Title</u>	<u>Date of issue</u>
P 1	R.F. van de Weg and W.G. Sombroek	Report of a site evaluation of cat clay hazards in the <u>Yala Swamp</u> (Western Kenya)	June 1972
P 2	R.F. van de Weg	Report of a site evaluation trip to <u>Lake Kenyatta</u> Cotton Scheme (Lamu District)	June 1972
P 3	H.M.H. Braun and S.M. Wokabi	Irrigation suitability of the <u>Olkeramatian</u> Experimental area	Dec. 1972
P 4	H.F. Gelens and G. Ngari	Report of a site evaluation of the proposed location of <u>Alupe</u> substation	Jan. 1973
P 5	N.N. Nyandat	A reconnaissance survey of arable land in the area <u>East of Meru town</u>	April 1973
P 6	H.M.H. Braun and N.N. Nyandat	Report of a visit to the experiment area of the <u>Ishiara</u> Irrigation Scheme	Dec. 1972
P 7	W.G. Sombroek J.J. Vleeshouwer and S.M. Wpkabi	Report of a site evaluation of irrigation suitability of the soils and waters of the <u>Merti</u> area (Isiolo District)	Jan. 1973
P 8	H.F. Gelens and G. Ngari	Report of a site evaluation for a proposed irrigation project at <u>Kunati</u> (Meru District)	March 1973
P 9	N.N. Nyandat and R.A. Leyder	A preliminary survey of the utilization of <u>Nairobi-</u> <u>sewage</u> effluent for irriga- tion	Aug. 1973
P 10	W.G. Sombroek H.M.H. Braun and J.M. Kibe	A preliminary evaluation of the irrigation suitability of the soils in the <u>Mandera-</u> <u>Ramu</u> area (North Eastern Province)	Sept. 1973
P 11	H.M.H. Braun and H.W. Okwaro	Drainage problems of soils in the <u>Bomet</u> area	April 1974

P 12	J.J. Vleeshouwer and J.P. Mbuvi	A preliminary evaluation of the irrigation suitability of the soils and the waters of <u>Katilo</u> Irrigation Scheme (Turkana District)	Sept. 1974
P 13	J.J. Vleeshouwer	Suitability as sports grounds of some sites on the terrains of the <u>Kiambu</u> Institute of Science and Technology	August 1973
P 14	W.G. Sombroek J.P. Mbuvi J.M. Kibe and H.W. Okwaro	A preliminary evaluation of the irrigation suitability of the lands in the <u>middle-lower Tana Valley</u>	March 1974
P 15	W.G. Sombroek J.P. Mbuvi and H.W. Okwaro	A preliminary evaluation of the irrigation suitability of the lands in the <u>pre-delta Tana flood plain</u>	Dec. 1973
P 16	J.P. Mbuvi R.F. van de Weg and H.M.H. Braun	A preliminary evaluation of the soils of NW. <u>Machakos</u> District	July 1974
P 17	J.J. Vleeshouwer D.O. Michieka	Irrigation suitability of the soils and waters of the flood plain of the <u>Kerio</u> river NE of <u>Lokori</u> (Turkana District)	Oct. 1975
P 18	J.P. Mbuvi	A preliminary evaluation on the suitability of the area of <u>Busia</u> District for sugar cane development	Oct. 1975
P 19	J.P. Mbuvi and R.F. van de Weg	A preliminary evaluation of the soils around <u>Nyangoma</u> Mission (Bondo Division)	Dec. 1974
P 20	H. Bonarius and P.N. Njoroge	A preliminary evaluation of the irrigation suitability of lands in the <u>Kanjoo</u> area (Meru District)	Oct. 1974
P 21	W.G. Sombroek J.P. Mbuvi and R.A. Leyder	Preliminary evaluation of soil conditions on the East bank of the <u>lower Tana</u> ( <u>Bura East</u> area) for large scale irrigation development (with addendum by B.J.A. van der Pouw)	June 1975

P 22	H. Bonarius	Preliminary assessment of irrigation development in the <u>Marsabit</u> area	April 1975
P 23	S.M. Wokabi W.G. Sombroek and J.P. Mbuvi	Evaluation of <u>Tana delta</u> soils for large scale irrigation development	Nov. 1975
P 24	W. Siderius	Soils resources of the <u>Upper Kerio Valley</u> - a preliminary investigation	Sept. 1975
		Revised edition	Aug. 1978
P 25	J.P. Mbuvi and R.F. van de Weg	Some preliminary notes on the soils of <u>Katumani</u> , <u>Kampi ya Mawe</u> , <u>Embu</u> and <u>Murinduko</u> Agricultural Research Stations	June 1975
P 26	W. Siderius and E.B. Njeru	Soil conditions in the <u>Muthangene</u> Location (Meru District)	March 1976
P 27	F.N. Muchena	Soil resources of <u>Maseno</u> Division (Kisumu District); a preliminary investigation	May 1976
P 28	W. Siderius and E.B. Njeru	Soils of <u>Trans-Nzoia</u> District	June 1976
P 29	J.P. Mbuvi and E.B. Njeru	Soil resources of the <u>Melili</u> area (Narok District); a preliminary assessment	March 1977
P 30	R.F. van de Weg and W.G. Sombroek	Soil conditions of the <u>Marafa-Magarini</u> area (Kilifi District); a preliminary assessment	July 1976
P 31	B.J.A. van der Pouw, J.M. Kibe and C.R.K. Njoroge	Soil conditions of the <u>Mitunguu-Materi</u> area (Meru District)	Jan. 1977
P 32	R.F. van de Weg R. Muriuki and E. Kinyanjui	Soil conditions at three proposed sites for the Kenya <u>Inspection Service for Seeds</u> , Lanet (Nakuru)	Nov. 1976
P 33	W. Siderius	Soil conditions in the <u>Kimalewa</u> area (Bungoma District)	July 1977
P 34	J.R. Rachilo	Soil conditions of the <u>Kinangop</u> Plateau	Jan. 1978
P 35	F.N. Muchena and C.R.K. Njoroge	The soil resources of <u>Kiteta</u> Location (Machakos District); a preliminary investigation	Dec. 1977

P 36	D.O. Michieka	Soils of the valley bottoms of the <u>Kabete</u> Veterinary labs. Nairobi, a preliminary assessment for irrigation suitability	Dec. 1977
P 37	D.O. Michieka and W. Siderius	The soil and land suitability for irrigation of three sites in the upper-Tana catchment area ( <u>Kunati</u> , <u>Ishiara</u> and <u>Rupingazi</u> - Eastern Province)	June 1978
P 38	B.J.A. van der Pouw (ed.)	Soil conditions of the <u>Kinna-Rapsu</u> area (Isiolo/Meru Districts)	in prep.
P 39	E.N.K. Mugai	A preliminary evaluation of the soils of the Ukambani Agricultural Institute ( <u>UKAI</u> ) site (Kitui District)	July 1978
P 40	F.N. Muchena and E.N.K. Mugai	A preliminary investigation of the soils of part of the Kenya Meat Training Centre, <u>Athi River</u> (Machakos District)	Oct. 1978
P 41	E.B. Njeru and B Ita	A preliminary investigation of the soil conditions of the Animal Husbandry Research Station, <u>Mariakani</u> (Kwale-Kilifi Districts)	Sept. 1979
P 42	O.O. Oswago	A preliminary investigation of the soils of <u>Gakobu Farm</u> , Rongai (Nakuru District)	April 1980
P 43	W.N. Wamicha	A preliminary investigation of the soils of <u>Ithe-wa-Gathoni Farm</u> , Langata	April 1980
P 44	P.J.K. Kanake	A preliminary evaluation of the soils of <u>Nzube Farm</u> on the Mua Hills (Machakos District)	Nov. 1979
P 45	D. Legger	A soil investigation of part of the <u>Thika</u> Horticultural Research Station	Dec. 1979
P 46	O.O. Oswago	A preliminary evaluation of the soils near the <u>Nandi</u> (Nyando) escarpment and their suitability for sugarcane	in prep.
P 48	E.N.K. Mugai	A preliminary investigation of the soils in the <u>Lolgorien</u> area of Narok District	in prep.

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C.R.K. Njoroge  
and F.N. Muchena

An advisory report on soils  
and conservation measures to  
be carried out in Kariuki's  
Farm, Limuru

March 1980

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MISCELLANEOUS SOIL PAPERS

Serial No.

- M 1 H.A. Luning 1973  
Land suitability on the basis of reconnaissance soil survey: Land utilization types of the medium-potential areas of Eastern Province, Kenya.
- M 2 W.G. Sombroek, J.P. Mbuvi and H.W. Okwaro 1975  
Soils of the semi-arid savanna zone of North-Eastern Kenya (revised version of a paper for the ISS-Gvnt. of Ghana conference on African savanna soils, Accra, Nov. 1975).
- M 3 C. de Jong 1976  
Land use alternatives in high-potential areas of medium to high altitude: the Kitale-Kapenguria area.
- M 4 C. de Jong 1977  
Land use alternatives for the medium-potential areas of low altitude: the Kwale area.
- M 5 W. Siderius and F.N. Muchena 1977  
Soils and environmental conditions of Agricultural Research Stations in Kenya.
- M 6 W. Siderius, J.P. Karanja and B. Kitonyo 1976  
Guidelines for the storage of maps, original field and laboratory data and aerial photographs.  
(includes map catalogue)
- M 7 Staff of Kenya Soil Survey 1977  
Guide to the Standard Soil Excursion in the Nairobi-Thika-Kindaruma area.
- M 8 N.N. Nyandat 1976  
Use of Soil Survey Data. I) Soil survey for land use planning in Kenya. II) Soil survey data to test the wide applicability of the experimental results of Kenya Research Stations. (papers presented at an ICRISAT Seminar on the uses of soil survey and classification in planning and implementing agricultural development in the tropics, Hyderabad, January 1975).  
(available as photocopy only)

- M 9 N.N. Nyandat 1976
- Nitosols and rhodic Ferralsols in Kenya, their characteristics, properties and management. (paper presented at the second FAO Eastern African Soil Correlation meeting, Addis Ababa, Nov. 1976)  
(available as photocopy only). Also in: World Soil Resources Report No. 47. FAO- Rome.
- M 10 W. Siderius 1976
- Environment and characteristics of the Nitosol at NAL  
(Kabete, Nairobi).
- 
- M 11 H.O. Wamukoya (ed.) 1977
- Proceedings of a seminar on Land Evaluation for rangeland use (seminar held in Jan. 1977)
- M 12 H.M.H. Braun 1977
- The reliability of the rainy seasons in Machakos and Kitui Districts.
- M 13 H.M.H. Braun 1977
- Seasonal and monthly rainfall probability tables for the East Central, Northwestern and Coast region of Kenya.
- M 14 H.M.H. Braun 1977
- Average monthly rainfall as a percentage of the annual rainfall in Kenya and Tanzania, with particular reference to the Kenya Coast.
- M 15 W. Siderius and B.J.A. van der Pouw (eds.) 1980
- The application of the FAO/Unesco terminology for soil classification in Kenya.
- M 16 D.N. Mungai and H.M.H. Braun (in prep.)
- Average monthly and annual rainfall of Kenya stations.
- M 17 D. Legger 1978
- Physical and chemical methods of soil analysis.
- M 18 H.M.H. Braun (in prep.)
- Temperatures in Kenya (relationships with altitude; monthly and daily ranges)
- M 19 W. Siderius 1979
- Simplified soil maps of some districts in Kenya

M 20 N.J. Achieng' and F.N. Muchena 1979  
Land utilization types of the Makueni area

M 21 W. Siderius 1979  
Inventory of soil surveys in Kenya

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M 22 W. Siderius May 1980  
Standards for soil survey in Kenya

INTERNAL COMMUNICATIONS

- IC 1 R.A. Leijder February 1977  
The Electrometrical Determination of pH and Electrical Conductivity.
- IC 2 D. Legger May 1977  
A CEC-carbon correlation of several profiles of the Kindaruma, Kapenguria and Makueni area.
- 
- IC 3 H.M.H. Braun May 1976  
Rainfall stations in Kenya with 20 or more Years of Records.
- IC 4 R.A. Leyder October 1976  
Chemical and physical laboratory methods employed at the KSS.
- IC 5 W.G. Sombroek June 1977  
Comparison of data from four soil laboratories on three Haplustox/rhodic Ferralsol profiles of the Kindaruma area (Kenya)
- IC 6 W.G. Sombroek July 1977  
Report on the International Soil Classification Workshop, held in Brazil, June/July 1977.
- IC 7 H.M.H. Braun and R.F. van de Weg Nov. 1977  
Proposals for rating of land qualities (2nd appr.)
- IC 8 H.M.H. Braun Nov. 1977  
Ecological zones: a critical evaluation of the systems in use in Kenya.
- IC 9 H.M.H. Braun Nov. 1977  
Proposals for an agro-climatological classification.
- IC 10 W.G. Sombroek and O.K.H. Wamukoya Jan. 1978  
Remote sensing in the service of Agriculture.
- IC 11 R.F. van de Weg April 1978  
Conversion tables for land suitability rating.
- IC 12 O.K.H. Wamukoya July 1978  
Plants of base-rich and related soils in arid and semi-arid Kenya.

- IC 19      W. Siderius Jan. 1979
- The sand mineralogy of some soils of the Amboseli-Kibwezi area (with special reference to the influence of volcanic ash).
- IC 20      W. Siderius Dec. 1979
- The sand mineralogy of some soils of the Kisii area.
- 
- IC 21      B.J.A. van der Pouw Jan. 1980
- A summary of the soil conditions in the Athi river basin (and the areas south of it up to the Tanzanian border)
- IC 22      W.G. Sombroek and B.J.A. van der Pouw Mar. 1980
- Legend of the Exploratory soil map of Kenya scale 1:1,000,000.
- IC 13      R.F. van de Weg Sept. 1978
- I. Guidelines for subdivision of geology (based mainly on lithology) in relation to soil mapping and map legend construction
- II Definitions of land forms in relation to soil mapping and map legend construction.
- IC 14      H.M.H. Braun and D.N. Mungai (in prep.)
- Mean annual rainfall and mean monthly rainfall of the wettest month with standard deviation and coefficient of variation of 86 Kenya gauging stations
- IC 15      H.M.H. Braun (in prep.)
- Checking the normality of annual rainfall data of stations in the Lake Region, Kenya.
- IC 16      W. Siderius and W.N. Wamicha Nov. 1978
- Sand mineralogy of some Tsavo soils
- IC 17      Kenya Soil Survey Staff (ed. by R.F. van de Weg), Oct. 1978
- Field Guidelines for the annotation of the Soil Profile Description Form (Green Form)
- IC 18      W.N. Wamicha (January 1979)
- The application of the "common measure" concept on sand mineralogy of some Tsavo soils.

PAPERS PRESENTED AT CONFERENCES, SEMINARS AND WORKSHOPS

- C 1 Braun H.M.H. 1974: Seasonal rainfall and its reliability in the medium potential areas of Eastern Province p 15: in Agroclimatology of the Highlands of Eastern Africa. Proc. of Techn. conf. Nairobi, 1973, WMO no. 389.
- C 2 Sombroek W.G. and Braun H.M.H. 1974: The soils of the area: Properties and water reserves (abstract only) p 96 in: Agroclimatology etc. see above.
- 
- C 3a R.F. van de Weg 1974: Reconnaissance soil surveys for multi-purpose land use planning and development; with special reference to the Kindaruma area, Eastern Provinces, Kenya paper presented at 13th Meeting East African Special committee for soil fertility and crop nutrition, September 1974 (S266).
- C 3b R.F. van de Weg 1974: Reconnaissance soil surveys for multi-purpose land use planning and development with special reference to the Kindaruma area (Eastern Province, Kenya), paper presented at first meeting of the Eastern Africa sub-committee for soil correlation and land evaluation, Nairobi, March 1974. Also in: World Soil Res. Report 49 FAO Rome.
- C 4 H.M.H. Braun and F.N. Muchena 1977. The Kenya Soil Survey and soil conservation. Paper presented at the soil and water conservation workshop, Faculty of Agriculture, Kabete, Sept. 1977 (S460). Also in soil and water conservation in Kenya. Occasional paper no. 17, 1978, IDS.
- C 5 F.N. Muchena and R.F. van de Weg 1977: Introduction to the system of land evaluation as developed by FAO and adapted by the Kenya Soil Survey. Paper presented on seminar: Land evaluation on rangeland use, Nairobi, January 1977. Also in: Proceedings of seminar on rangeland use. O.K.H. Wamukoya (ed.) 1977, Mis. soil paper no. 11, Kenya Soil Survey.
- C 6 D.O. Michieka and H.M.H. Braun 1977: Land evaluation for extensive range as carried out for the Kiboko Research Station. Paper presented on seminar: Land evaluation on rangeland use, Nairobi, June 1977. Also in: Proc. of seminar on rangeland use, O.K.H. Wamukoya (ed.) 1977 Misc. Soil Paper no. 11, Kenya Soil Survey (S398).
- C 7 N.N. Nyandat and F.N. Muchena 1978: Land evaluation in Kenya, with particular emphasis on the criteria used. Paper presented at the third meeting of the Eastern African sub-committee for soil correlation and land evaluation, Lusaka, April 1978 (S502).
- C 8 O.K.H. Wamukoya 1978: The vegetation of the Kwale area. Paper presented at the seminar on vegetation research in Tsavo National Park, April 1978 (S497).

- C 9 N.N. Nyandat 1978: The need for field inventory, as a base for intensifying the crop production and conserving the land, Paper presented at the seminar on Science and Technology for Development, Nairobi, March 1978 (S491).
- C 10 N.N. Nyandat 1978: Soil resources and management in the semi-arid region of Kenya. Paper presented at the AAASA third general conference, Ibadan, April 1978 (S495).
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- C 11 H.M.H. Braun and H. Ochung' 1979: Relations between vegetation and soil in the Bura East area; paper presented at 3rd A.G.M. of the Soil Science Society of East Africa; K.A.R.I. Muguga, July 25-27, 1979 (S581).
- C 12 W. Siderius and W.N. Wamicha 1979: The sand mineralogy of some soils in Kenya; paper presented at the 3rd AGM of the Soil Science Society of East Africa; KARI, Muguga, July 25-27, 1979 (S583).
- C 13 W. Siderius 1979: The application of the FAO/Unesco Terminology for soil classification in Kenya; paper presented at the 3rd AGM of the Soil Science of East Africa; KARI, Muguga, July 25-27, 1979 (S582).
- C 14 F.N. Muchena 1979: Use of soil physical characteristics for land evaluation.  
in: Lal R. and Greenland D.G. (eds.) 1979: Soil physical properties and crop production in the tropics, John Wiley and Sons.

SELECTED INTERNAL TECHNICAL DOCUMENTS

Stencil No.

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|------------------|---|
| S 123            | Guidelines for map references on non coloured base maps (JJV)                           |
| <del>S 167</del> | <del>Guidelines for legend sequence of the reconnaissance soil maps (RFW)</del>         |
| S 264            | A glossary of definitions of common world soils and their relation to Kenya soils (NNN) |
| S 457            | Proposals for standard legends of land use (OKHW)                                       |
| -                | Nitosols and their genesis (Sombroek/Siderius)  |
| S 553            | Infiltration measurement form   |
| S 568            | Vegetation description form   |

LECTURE NOTES

Stencil No.

S 139	Sombroek	Approaches to soil mapping
S 142	Sombroek	Summary of essential soil and land qualities
S 185	Sombroek	Definitions and diagnostic horizons
S 190	Sombroek	Key to soil units
S 285) S 287) S 292)	van de Weg	Land evaluation
S 364	Braun	Climate
S 365	Wamukoya	Vegetation
S 368	Sombroek	General soil science
S 442	van der Pouw/Rachilo	Some aspects of soil map preparation
S 443	Siderius	Soil micromorphology
S 451-452	Olulo	Base map reproduction and translucents
S 454	Rachilo	Soil correlation
-	Muchena	Soil survey and crop production