

VI. ACKNOWLEDGEMENTS

Grateful acknowledgment is made to all who assisted with this project in many ways. It is possible to mention here only those more directly involved.

The Soil Conservation Authority supported the project with great interest and the Chairman, Mr. R. G. Downes, gave guidance from time to time.

The Wheat Industry Research Committee of Victoria gave financial assistance.

Mr. T. I. Leslie directed the laboratory analyses, prepared Appendix IV and gave freely of technical advice. Mr. F. R. Gibbons criticised the manuscript. Mr. J. Las Gourgues draughted the map and diagrams. Messrs. M. R. Swann and J. T. McPhee edited and produced the bulletin. Messrs. A. A. Thornley and D. M. Kehoe provided stereoscopic interpretations of the arrangement of land forms.

Among the several landholders who cheerfully allowed entry to their farms, Mr. A. Buckland of Hopetoun suffered most from the inconvenience of wells left in his paddocks.

VII. REFERENCES

- ANON. (1952):
Resources survey, Mallee Region. (Chapter on climate). Central Planning Authority, Melbourne.
- ANON. (1954):
"Diagnosis and Improvement of Saline and Alkali Soils". Agriculture Handbook No. 60 (U.S.D.A. : Washington).
- BLACKBURN, G, BOND, R. D, and CLARKE, A. R. P (1967):
Soil development in relation to stranded beach ridges of County Lowan, Victoria. C.S.I.R.O. Aust. Soil Publ. No. 24.
- BOND, R. D (1955):
Determination of low concentrations of sulphate using barium chloride and ethylenediamine tetra-acetic acid (E.D.T.A). *Chem. and Ind.* **41.** 941-2.
- BUTLER, B. E. (1956):
Parna, an aeolian clay. *Aust. J. Sci.* **18.** 145-151.
- BUTLER, B. E. and HUTTON, J. T. (1956):
Parna in the Riverine Plain of south-eastern Australia and the soils thereon. *Aust. J. Agric. Res.* **7.** 536-53.
- CANE, R. F. (1962):
Salt lakes of Linga. *Proc. Roy. Soc. Vic.* **75.** 75-88.
- CHURCHWARD, H. M. (1960):
Soils of the Woorinen Settlement, Victoria C.S.I.R.O. Aust. Soils and Land Use Ser. No. 36.
- CHURCHWARD, H. M. (1961):
Soil studies at Swan Hill, Victoria, Australia. I. Soil layering. *J. Soil Sci.* **12.** 73-86.
- CHURCHWARD, H. M. (1963 a):
II. Dune moulding and parna formation. *Aust. J. Soil Res.* **I.** 103-116.
- CHURCHWARD, H. M. (1963 b):
III. Some aspects of soil development on aeolian materials. *Aust. J. Soil Res.* **I.** 117-128.

- CHURCHWARD, H. M. (1963 c):
IV. Ground surface history and its expression in the array of soils. *Aust. J. Soil Res.* **1**. 242-55.
- COPE, F. (1958):
Catchment salting in Victoria. Soil Cons. Atty. Vic. Publ. No. T.S. 1.
- FIRMAN, J. B. (1965):
Geological Atlas of South Australia, Special Series, Surface Geology, Pinnaroo-Karoonda sheet.
- FOLEY, J. C. (1947):
Droughts in Australia. Comm. Bureau of Meteorology. Bull. No. 43.
- GLOE, C. S. (1947):
The underground water resources of Victoria. State Rivers and Water Supply Commission of Vic. Report.
- HOLT, A. J. (1946):
"Wheat Farms of Victoria". (School of Agriculture: University of Melbourne).
- HUBBLE, G. D and CROCKER, R. L (1941):
A Soil Survey of the Red Cliffs Irrigation District, Vic. C.S.I.R. Bull. No. 137.
- HUTTON, J. T. and LESLIE, T. I (1958):
Accession of non-nitrogenous ions dissolved in rainwater to soil in Victoria. *Aust. J. Ag. Res.* **9**. 492-507.
- JACKSON, E. A, BLACKBURN, G and CLARKE, A. R. P (1956):
Seasonal changes in soil salinity at Tintinara, South Australia. *Aust. J. Ag. Res.* **7**. 20-44.
- KELLEY, W. P. (1951):
"Alkali Soils" (Reinhold : New York)
- LAWRENCE, C. R. (1966):
Cainozoic stratigraphy and structure of the Mallee Region, Victoria. *Proc. Roy. Soc. Vic.* **79**. 517-53.
- MACUMBER, P. G. (1968):
Interrelationships between physiography, hydrology, sedimentation and salinisation of the Loddon River Plains. Australia. *J. Hydrology* **7**. 39-57.
- MACUMBER, P. G. (1969):
The inland limits of the Murrayvian Marine Transgression in Victoria. *Aust. J. Sci.* **32**. No. 4.
- MITCHELL, A and FARRINGTON, P. (1966):
Scalded land in the Victorian Mallee. Report. Soil Cons. Authority Vic.
- NEWELL, J. W (1961):
Soils of the Mallee Research Station, Walpeup, Victoria. Dept. of Ag. Vic. Tech. Bull. No. 13.
- NORTHCOTE, K. H. (1960):
Atlas of Aust. Soils. With explanatory data for sheet 1. C.S.I.R.O. Aust
- PENMAN, F, TAYLOR, J. K, HOPPER, P. D. and MARSHALL, T. J (1939):
A soil survey of the Merbein Irrigation District, Victoria. C.S.I.R. Bull. No. 123.
- PENMAN, F, HUBBLE, G.D, TAYLOR, J.K. and HOPPER, P.D. (1940):
A soil survey of the Mildura Irrigation Settlement, Victoria. C.S.I.R. Bull. No. 123.

- PIPER, C. S. (1942):
“Soil and Plant Analysis” (Univ. of Adelaide: Adelaide)
- ROWAN, J. N. and DOWNES, R. G. (1963):
A study of the land in north-western Victoria. Soil Cons. Auth. Vic. Publ. No. TC2.
- SIMS, H. J. and ROONEY, D. R (1965):
Gypsum for difficult clay wheatgrowing soils. *J. Dept. Agric. Vic.* **63**. 401-409.
- SKENE, J. K. M (1951):
Soil survey of the Robinvale Irrigation Area. Dept. of Agric. Vic. Tech. Bull. No. 10.
- SKENE, J. K. M. and SARGEANT, I. J (1966):
Soils and land use near Swan Hill, Victoria. Dept. of Ag. Vic. Tech. Bull. No. 20.
- STEPHENS, C. G. (1962):
“A Manual of Australian Soils”. (C.S.I.R.O: Melbourne)
- TAYLOR, J. K and PENMAN, F. (1930):
A soil survey of the Woorinen Settlement, Swan Hill Irrigation District, Victoria C.S.I.R. Bull. No. 45.
- TAYLOR, J. K, PENMAN, F, MARSHALL, T. J. and LEEPER, G. W (1933):
A soil survey of the Nyah, Tresco, Tresco West, Kangaroo Lake (Vic.) and Goodnight (N.S.W) Settlements. C.S.I.R. Bull. No. 73.
- THOMAS, J. E. (1939):
An investigation of the problems of salt concentration on a mallee soil in the Murray Valley Irrigation Area. C.S.I.R. Bull. No. 128.