

Project Closure SP 2015-002

South-west wetlands monitoring program

Ecosystem Science

Project Core Team

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| Supervising Scientist | Jim Lane |
| Data Custodian | Jim Lane |
| Site Custodian | Jim Lane |

Project status as of May 25, 2021, 3:30 p.m.

Closure pending final update

Document endorsements and approvals as of May 25, 2021, 3:30 p.m.

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| Project Team | granted |
| Program Leader | granted |
| Directorate | granted |

South-west wetlands monitoring program

Closure goal

completed

Closure reason

Project complete

Key publications and documents

APPENDIX 1. Reports, publications and databases in which use is made of SWWMP data.

Brock, M.A. & Lane, J.A.K. (1983). *The aquatic macrophyte flora of saline wetlands in Western Australia in relation to salinity and permanence*. Hydrobiologia 105:63-76.

Clarke, A.G. & Lane, J.A.K. (2003). *A waterbird census of selected wetlands along the coastal margins of the Esperance District, Feb.-Mar. 2003: report*. Department of Conservation & Land Management, Kensington, WA. 38 p.

CALM (2000). *Wetlands nominated by the Government of Western Australia for inclusion on the List of Wetlands of International Importance*. Nominating document prepared by WA Department of Conservation & Land Management, November 2000.

CALM (2003). *Information Sheet on Ramsar Wetlands (RIS): Updated RIS's for the 'Forrestdale & Thomsons Lakes', 'Lake Gore', 'Muir-Byenup System', 'Peel-Yalgorup System', 'Toolibin Lake' and 'Lake Warden System' Ramsar Sites*. http://www.naturebase.net/pdf/national_parks/wetlands/fact_sheets/lake_gore1.doc

Clarke, A., Lane, J. & Jaensch, R. (2011). *Surveys of waterbirds in selected wetlands of south-western Australia in spring-summer 2009-10, with further assessment of changes in habitat and waterbird usage over 2-3 decades*. WA Department of Environment & Conservation report. 101pp.

Davis, J.A., McGuire, M., Halse, S.A., Hamilton, D., Horwitz, P., McComb, A.J., Froend, R.H., Lyons, M. & Sim, L. (2003). *What happens when you add salt?: predicting impacts of secondary salinisation on shallow aquatic ecosystems using an alternative states model*. Australian Journal of Botany 51:715-724.

Elsco, S.V., Lane, J.A.K., Clarke, A.G. & Muir, W.P. (2009). *Nomination and improved documentation of nationally important wetlands in under-represented IBRA regions in Western Australia*. WA Department of Conservation & Land Management. 77pp.

Gibson, N., Keighery, G.J. & Lane, J.A.K. (2004). *Five years monitoring of the wetlands in the Lake Muir-Unicup system, south-western Australia*. J. Roy. Soc. West. Aust. 87:29-33.

Jaensch, R.P., Clarke, A.G. & Lane, J.A.K. (2009). *Surveys of waterbirds in selected wetlands of south-western Australia in spring-summer 2008-9, with an assessment of changes to habitat and waterbird usage over 2-3 decades*. Report by Wetlands International - Oceania, Brisbane, to WA Department of Environment & Conservation.

Jaensch, R.P., Vervest, R.M. & Hewish, M.J. (1988). *Waterbirds in nature reserves of south-western Australia 1981-1985: Reserve accounts*. Royal Australasian Ornithologists Union Report 30. 290pp.

Knott, B., Bruce, L., Lane, J., Konishi, Y. & Burke, C. (2003). *Is the salinity of Lake Clifton (Yalgorup National Park) increasing?* J. Roy. Soc. West. Aust. 86:119-122.

Lane, J.A.K. (1994). *The Yenyenning Lakes system: a report on experimental management of outflows at Qualandary crossing from 1985-1990 and recommendations for future management*. Report for WA Department of Conservation & Land Management. 36pp.

Lane, J., Clarke, A. & Jaensch, R. (2016). *Surveys of waterbirds in selected wetlands of south-western Australia in spring-summer 2010-11, with further assessment of changes in habitat and waterbird usage over 2-3 decades*. WA Department of Parks & Wildlife report. 103pp.

Lane, J.A.K., Clarke, A.G., Winchcombe, Y.C., Pearson, G.B., Muir, W.P., Johnson, B.W. & Elscot, S.V. (2009a). *South West Wetlands Monitoring Program Report 1977-2007*. WA Department of Environment & Conservation, Busselton. 331pp.

Lane, J.A.K., Clarke, A.G., Winchcombe, Y.C., Pearson, G.B., Muir, W.P., Johnson, B.W. & Elscot, S.V. (2009b). *South West Wetlands Monitoring Program Report 1977-2008*. WA Department of Environment & Conservation, Busselton. 142pp.

- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2010). *South West Wetlands Monitoring Program Report 1977-2009*. WA Department of Environment & Conservation, Busselton. 148pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2011). *South West Wetlands Monitoring Program Report 1977-2010*. WA Department of Environment & Conservation, Busselton. 156pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2013a). *South West Wetlands Monitoring Program Report 1977-2011*. WA Department of Environment & Conservation, Busselton. 158pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2013b). *South West Wetlands Monitoring Program Report 1977-2012*. WA Department of Parks & Wildlife, Busselton. 168pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2015a). *South West Wetlands Monitoring Program Report 1977-2013*. WA Department of Parks & Wildlife, Busselton. 174pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2015b). *South West Wetlands Monitoring Program Report 1977-2014*. WA Department of Parks & Wildlife, Busselton. 181pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2016a). *Water levels and rainfalls of 14 south-western Australian wetlands: Continuous recordings from 2009-2015*. WA Department of Parks & Wildlife, Busselton. 46pp.
- Lane, J.A.K., Clarke, A.G. & Winchcombe, Y.C. (2016b). *South West Wetlands Monitoring Program Report 1977-2015*. WA Department of Parks & Wildlife, Busselton. 181pp.
- Lane, J.A.K. & Munro, D.R. (1981). *1980 review of rainfall and wetlands in the south-west of Western Australia*. WA Department of Fisheries & Wildlife, Report 47. 23pp.
- Lane, J.A.K. & Munro, D.R. (1982). *1981 review of rainfall and wetlands in the south-west of Western Australia*. WA Department of Fisheries & Wildlife, Report 56. 38pp.
- Lane, J.A.K. & Munro, D.R. (1983). *1982 review of rainfall and wetlands in the south-west of Western Australia*. WA Department of Fisheries & Wildlife, Report 58. 41pp.
- Lane, J.A.K. & Munro, D.R. (1983). *1983 review of rainfall and wetlands in the south-west of Western Australia*. Report for WA Department of Fisheries & Wildlife. 20pp.
- Lane, J.A.K. & Munro, D.R. (1984). *1984 review of rainfall and wetlands in the south-west of Western Australia*. Report for WA Department of Conservation & Land Management. 23pp.
- Lane, J.A.K. & Munro, D.R. (1985). *1985 review of rainfall and wetlands in the south-west of Western Australia*. Report for WA Department of Conservation & Land Management. 19pp.
- Lane, J.A.K., Pearson, G.B., Clarke, A.G., Winchcombe, Y.C. & Munro, D.R. (2004). *Depths and salinities of wetlands in south-western Australia: 1977-2000*. WA Department of Conservation & Land Management, Busselton. 129pp.
- Lane, J.A.K., Winchcombe, Y.C. & Clarke, A.G. (2015c). *Thirty year (1981-2010) trends in depths and rainfalls of south-western Australian wetlands*. WA Department of Parks & Wildlife, Busselton. 108pp.
- Lane, J.A.K., Winchcombe, Y.C. & Clarke, A.G. (2016c). *Salinity profiling of Lake Jasper, south-western Australia, in November 2015*. WA Department of Parks & Wildlife, Busselton. 26pp.

Plus a large number of publications that made use of SWWMP data by other authors.

Knowledge Transfer

Several presentations during life of the project, plus provision of data to DBCA officers, researchers and government agencies for a wide variety of purposes. Other than the publications above, SWWMP data was used for at least 99 publications.

Dataset links

All data, metadata and standard operating procedures, together with access maps and depth gauge maintenance records all now on Data Catalogue.

<https://data.dbca.wa.gov.au/dataset/south>

Hardcopy location

Most data (to 2016) in hardcopy reports in DBCA library.