

Stephen YEO



QUALIFICATIONS

Bachelor of Science (First Class Honours), University of Sydney, 1989-92
Doctor of Philosophy (Geography), Macquarie University, 1994-98

FIELDS OF SPECIAL COMPETENCE

Stephen has fifteen years' experience in flood risk assessment and management in Australia and the South Pacific. He has particular expertise in assessing flood damages, evaluating the range of structural and non-structural floodplain management options, and reviewing policy. Stephen has designed and implemented a flood education project. He is a skilled user of GIS (MapInfo and Vertical Mapper) and has highly developed presentation, writing and project management skills.

EXPERIENCE

2003 to date | Bewsher Consulting Pty Ltd, NSW, Australia, Floodplain Management Specialist

Flood Intelligence Collection and Review for the Peel and Namoi Rivers (NSW SES)

Flood Intelligence Collection and Review for the Tweed and Richmond Rivers (NSW SES)

Georges River GIS Flood Warning/Flood Intelligence Tool (NSW SES)

Camden Haven Voluntary House Raising Scoping Study (Port Macquarie–Hastings Council)

Shoalhaven Caravan Parks Flood Safety Study (Shoalhaven Council)

Victoria Caravan Parks Flood Risk Survey (Victorian Dept of Sustainability and Environment)

Victoria Caravan Parks Flood Emergency Management Plan Guidelines and Template (DSE)

Fairy and Cabbage Tree Creeks Floodplain Risk Management Study & Plan (Wollongong Council)

Mullet and Brooks Creeks Floodplain Risk Management Study & Plan (Wollongong Council)

Bowral Floodplain Risk Management Study & Plan (Wingecarribee Council)

Nundle and Woolomin Floodplain Risk Management Study & Plan (Tamworth Council)

Assessment of Flood Risk in Various Towns and Villages (Tamworth Council)

Grafton and Lower Clarence Floodplain Risk Management Plan Review (Clarence Valley Council)

Brickfield Creek Floodplain Risk Management Study & Plan (Upper Parramatta Catchment River Trust)

Initial Subjective Assessment of Major Flooding (Sutherland Council)

Land Surface Diversions Status Report (Murray Darling Basin Commission)

1994 to 2003 | Risk Frontiers (Natural Hazards Research Centre), Macquarie University, Sydney, Researcher

Assessment of flood risk management strategies for caravan parks in NSW

Review of effects of disclosure on residential property values

Evaluation of lessons learned from severe flooding in Fiji and Samoa

Flood damage surveys after 1998 East Gippsland, Namoi Valley, Bathurst and Wollongong floods

Doctoral study of flood risk management for Ba River, Fiji

Lectured in natural hazards, climatic change, fluvial geomorphology, environmental management

Design of teaching materials including practical class on flood risk management

1999 to 2000 | Disaster Management Unit, South Pacific Applied Geoscience Commission, Suva, Flood Specialist

Design of flood damage survey

Proposal for flood warning systems

Design of flood education materials

Organisation of successful community workshop

Preparation of flood operational plans

PAPERS

Yeo, S.W. & Blong, R.J. 2010 (in press). 'Fiji's worst natural disaster: the 1931 hurricane and flood', *Disasters*.

Yeo, S.W. et al. 2008. 'What are acceptable flood risks in caravan parks?', presented to 48th NSW Floodplain Management Authorities Conference, 27-29 February 2008, Wollongong.

Yeo, S.W. & Bewsher, A. 2007. 'Flood risk management for caravan parks in Victoria', presented to 5th Victorian Flood Management Conference, 9-12 October 2007, Warrnambool.

Yeo, S.W., Blong, R.J. & McAneney, K.J. 2007. 'Flooding in Fiji: findings from a 100-year historical series', *Hydrological Sciences Journal*, 52(5), 1004-1015.

Yeo, S.W. 2007. 'Navigating hazardous waters', *Fiji Times*, Tues 20 March.

Yeo, S.W. & Grech, P. 2006. 'Flood-prone caravan parks in NSW – is the system failing?', *Australian Journal of Emergency Management*, 21(3), 12-21.

Yeo, S. 2004. 'Are residential property values adversely affected by disclosure of flood risk?', presented to 44th NSW Floodplain Management Authorities Conference, 11-14 May 2004, Coffs Harbour.

Chen, K., Hunter, L., Leigh, R., Blong, R. & Yeo, S. 2003. 'Are the poor more at risk in flood-prone communities?', in *2003 Australian Disaster Conference*, Emergency Management Australia, Dickson.

- Yeo, S.W. 2003. 'Flood risk management for caravan parks in NSW', *Australian Geographer*, 34(2), 195-209.
- Yeo, S.W. 2003. 'Effects of disclosure of flood-liability on residential property values', *Australian Journal of Emergency Management*, 18(1), 35-44.
- Yeo, S.W. 2002. 'Flooding in Australia: a review of events in 1998', *Natural Hazards*, 25(2): 177-191.
- Yeo, S.W. 2001. *A Review of Flooding in Apia, Samoa: April 2001*, SOPAC Technical Report 338, SOPAC, Suva.
- Yeo, S.W. 2001. *A Review of Flooding in Macuata Province, Fiji Islands: April 2000*, SOPAC Technical Report 328, SOPAC, Suva.
- Yeo, S.W. 2000. *The Ba Community Flood Preparedness Project*, SOPAC Technical Report 309, SOPAC, Suva.
- Yeo, S.W., Leigh, R. and Kuhnel, I. 1999/2000. 'The April 1999 Sydney hailstorm', *Australian Journal of Emergency Management*, 14(4): 23-25.
- Yeo, S.W. 1999. 'From Government prevention to community preparedness: shifting the culture for flood damage reduction, Ba, Fiji', in Crook, K.A.W. and Rodda, P. (eds.) *Abstracts of Papers Presented at the STAR Session*, SOPAC Miscellaneous Report 355, SOPAC, Suva, pp.74-75.
- Blong, R.J., Hunter, L. and Yeo, S.W. 1999. *Flood Inundation Risk Model (FIRM 1): Report for NRMA*, NHRC, Macquarie University.
- Yeo, S.W., Jacobson, C. and Blong, R.J. 1999. *Assessment of Flash Flood Risk Using Geographical Information Systems: Report to NRMA*, NHRC, Macquarie University.
- Yeo, S.W. 1997. 'Disasters, dredging and development: approaches to flood management in the Ba River Valley, Fiji', in Planitz, A. and Chung, J. (eds.) *Proceedings of the Disasters and Development Session, VIII Pacific Science Inter-Congress, 13-19 July 1997, The University of the South Pacific, Suva*, UNDHA – SPPO, Suva, pp.84-103.
- Yeo, S.W. 1996. 'Living (and dying) with floods, Rarawai Sugar Mill, Ba, Fiji', in *Flood Management Workshop Proceedings, 4-6 November 1996*, Centre for Disaster Studies, James Cook University of North Queensland, Cairns.
- Yeo, S.W. 1996. 'A tale of two floods: 1931 and 1993, Ba River, Fiji', in Heathcote, R.L., Cuttler, C. and Koetz, J. (eds.) *Proceedings of Conference on Natural Disaster Reduction, Gold Coast, Australia, 29 September - 2 October, 1996*, The Institution of Engineers Australia, Barton, pp.287-292.
- Thoms, M.C. & Yeo, S.W. 1995. *Channel Changes in the Bell River: Report to NSW Department of Land and Water Conservation*, University of Sydney, Sydney.