



Don STILL

QUALIFICATIONS

Bachelor of Engineering (Hons), University of New South Wales, 1973
Master of Engineering Science, University of New South Wales, 1984

AFFILIATIONS

Corporate Member, Institution of Engineers, Australia
Chartered (NPER) Professional Civil Engineer, IE Aust

FIELDS OF SPECIAL COMPETENCE

Thirty-three years experience in Australia and Malaysia in hydrology, floodplain management, computer modelling of floodplain flows, urban drainage investigation and design, catchment studies and water resources planning.

EXPERIENCE

1987 to date | Bewsher Consulting Pty Ltd, NSW, Australia, Director

Assessment of flood impacts associated with infrastructure projects such as the Liverpool-Parramatta Transitway (Sydney region), Yelgun to Chinderah Pacific Highway upgrade (NSW North Coast) and the Hawkesbury-Nepean flood evacuation route strategy (Sydney region).

Floodplain Management Studies for Towradgi Creek, Haslams Creek, North Wentworthville, Cabramatta Creek, Bowral, Terrys Creek and Macquarie Park.

Local government On-site Stormwater Detention (OSD) research including policy statements, costings and performance audits.

Analysis of historical flooding, calculation of design flood regimes and associated hazard zones, and assessment of flood mitigation options for a number of floodplains including Towradgi Creek, Haslams Creek, Coopers Creek, Clear Paddock Creek, Eastern Creek and tributaries, A'Becketts Creek catchments (Western Sydney); Terrys Creek and Macquarie Park (North-western Sydney); Double Bay and Rushcutters Bay (Inner Sydney). Use of RAFTS, ILSAX, HEC-2, HEC-RAS and MIKE-11 models and reviews of DRAINS and TUFLOW models.

Analysis of 100 year flood regimes for the townships of Berrima and Bowral and North Coast catchments (Jordans Creek, Bonville, Woolgoolga, North Boambee Valley in the Coffs Harbour area). Use of WBNM, RORB, MIKE 11, EXTRAN, HEC-2 and HEC-RAS models and review of TUFLOW models.

Analysis of trunk drainage requirements for south western Sydney release area (Narellan).

Mapping of flood prone lands and related flood hazard assessment for an 1800ha land holding at Riverstone, NSW.

Trunk drainage strategy investigations for Holroyd City Council, Hornsby Shire Council, Baulkham Hills Shire Council and Leeton Shire Council.

Reports on urban flooding in Baulkham Hills, Hornsby, Strathfield, South Sydney and Holroyd Council areas including a review of strategies to alleviate future

potential flooding. Subsequent detailed design of trunk drainage works such as detention basins and large pipelines.

Hydrological advice, daily and monthly water balance analysis and dam design of on-site storages to supply golf courses (Tamworth, Cessnock and Guildford, NSW).

Analysis of rail and highway bridge waterway requirements (Elong Elong, Wollombi, Wyong and Rydalmere, NSW).

Site specific flood studies, trunk drainage designs and sediment & erosion control plans for development/redevelopment of industrial, commercial and residential sites in western and northern Sydney.

Analysis of potential impact of proposed major arterial roads on local flood regimes.

Assessment of effluent disposal options/technologies for non-sewered rural areas.

Stormwater investigations and designs for various residential and industrial subdivisions in western Sydney (including on-site detention investigations and designs).

Gross pollutant trap designs for residential subdivisions and developments.

Dambreak modelling in upper Parramatta River catchment.

1979 to 1987 | Sinclair Knight and Partners Pty Ltd, NSW, Australia. Senior Engineer

Urban drainage assessment and advice, flood investigations, flood mitigation detention basin and levee designs, design of creek bank protection works, bridge waterway investigations, floodplain mapping, design of water supply system for major coal mine project.

1976 to 1978 | Department of Irrigation & Drainage (DID), Malaysia, Hydrologist

Hydrologist, Hydrology Branch, Kuala Lumpur. Involved in a range of field work and hydrologic data analysis for a Water Resources Inventory.

1973 to 1975 | Department of Public Works, NSW, Australia, Graduate Engineer

Harbour and River Dredging, Newcastle District Office

Contract supervision, Blaxland Glenbrook Sewerage Scheme.

Newcastle Graving Dock Project

PAPERS

"The Importance of Public Participation in Drainage Studies" 33rd Annual Flood Mitigation Authorities of NSW Conference, Taree, May 1993

"The Integration of Flood Mitigation Basins within a Golf Course" 34th Annual Flood Mitigation Authorities of NSW Conference, Inverell, May 1994.

"On-Site Stormwater Detention in NSW - Past, Present and Future" - Second International Symposium on Urban Stormwater Management. Melbourne July 1995 (Co-author).

"On-site Stormwater Detention - Is it Working?" 39th Annual Flood Mitigation Authorities of NSW Conference, Tamworth, May 1999.