

## DOUG LORD

**B.E., M.ENG.SC., MBA (TECH MGMT), M.I.E. AUST., CPENG (CIVIL), NER.**

### PRINCIPAL COASTAL ENGINEER

Doug has over 40 years' experience in coast and estuary management and is one of the most experienced coastal engineers in Australia. He has a keen interest in climate change and its potential impact on coastline evolution and coastal development. Doug has authored or co-authored over 70 technical papers on coastal zone management, climate change, and coastal and estuarine projects, including presentations to local and international conferences.

Doug is a corresponding member of the National Committee on Coastal and Ocean Engineering (NCCOE) of Engineers Australia, of which he was also a past chair (2008-2010). He has been a member of the NSW Coastal, Ocean and Port Engineering Panel (COPEP) since 2001. Doug is presently a substitute state member of the Sydney District and Regional Planning Panels for the NSW Department of Planning.

Doug has broad experience within Government and in the private sector. He has worked extensively in field data collection and laboratory modelling for coastal projects. His experience includes coastal process investigation, hazard assessment and design solutions.

### AREAS OF EXPERTISE

- Civil and Coastal Engineering
- Climate Change / Sea Level Rise
- Coastal Processes and Management

### RECENT CONSULTING EXPERIENCE

- Peer review coastal processes in Newcastle Bight for Bluecoast Pty Ltd. (2020)
- Community consultation and peer review for Pearl Beach Lagoon for Salients Pty Ltd. (2020)
- Peer review coastal processes in Newcastle Bight for Bluecoast Pty Ltd. (2020)
- Peer review protection options at MacMasters beach for Salients Pty Ltd (2019 – present)
- Advice on coastal hazard for beachfront redevelopment at Jimmys Beach for “your Home Designs” (2019)
- Expert coastal advisor NSW Sydney and Regional Planning Committees (2018 – present)
- Ongoing advice as required to NSW Crown Lands (Lake Illawarra, Currarong) (2018-2019)
- Assessment and recommendation on proposed ocean pool at Hallett Cove S.A. for Marion City Council (jointly with the Water Research Laboratory UNSW) (2018)
- Preparation of erosion options for Pelican within Swansea Beach for Lake Macquarie City Council (jointly with Salients Pty Ltd (2018 - 2022)

### RELEVANT EMPLOYMENT HISTORY

#### COASTAL ENGINEER

MAY 2023 – PRESENT

##### Salients Pty. Ltd.

Coastal, estuarine and port engineering consultancy specialising in coastal zone management and in particular the impacts of climate change as they affect coastal processes and coastal land use. Projects include preparation of coastal and estuarine studies, project management, detailed investigations and reporting, peer review and expert witness.

#### DIRECTOR AND PRINCIPAL

FEBRUARY 2010 – MAY 2023

##### Coastal Environment Pty. Ltd.

Coastal, estuarine and port engineering consultancy specialising in coastal zone management and in particular the impacts of climate change as they affect coastal processes and coastal land use. Projects include preparation of coastal and estuarine studies, project management, detailed investigations and reporting, peer review and expert witness.

#### MANAGER COASTAL, COASTS AND FLOOD PROGRAMS BRANCH

2004 – 2010

##### NSW Department of Environment Climate Change and Water

Responsibility for state-wide coastal and estuaries management functions. Managing a team of up to 20 professional staff and contractors.

#### MANAGER COASTAL, ECOSYSTEMS BRANCH

2000 – 2004

##### NSW Department of Infrastructure, Planning and Natural Resources

Responsibility for state-wide coastal and estuaries management functions. Managing a team of up to 20 professional staff and contractors.

#### DIRECTOR AND SENIOR ENGINEERING CONSULTANT

1996 – 2001

CV – DOUG LORD

**Coastal Environment Pty. Ltd.**

Responsible as principal of the company for project management; coastal and estuary investigations and management studies; provision of expert evidence; community consultation; and reporting.

**SENIOR ENGINEERING CONSULTANT**

**1996 – 2000**

**Manly Hydraulics Laboratory**

Responsibilities include preparation of proposals for coastal and estuarine studies, supervision and training of junior staff, project management, detailed investigations and reporting, quality assurance.

**PART TIME LECTURER, COASTAL ENGINEERING AND COASTAL RESOURCE MANAGEMENT**

**1996 – 2000**

**University of Technology, Sydney**

Lecturer for subject Coastal Engineering in Civil Engineering undergraduate course, Lecturer in Master of Engineering Science Course, Lecturer for subject Hydraulics for post graduate Coastal Resource Management course (1996-2000). Guest lecturer in post graduate Stormwater Runoff Regulation course (1998).

**SENIOR ENGINEER AND ASSOCIATE**

**1994 – 1996**

**Willing and Partners**

Responsibilities include preparation of proposals for all coastal and estuarine studies, marketing, supervision and training of junior staff, estimating and cost control, briefing and engagement of specialist sub-consultants, project management, detailed investigations and reporting, quality assurance.

**DIRECTOR AND PRINCIPAL**

**1987 – 1994**

**Geomarine Pty. Ltd.**

Responsible as the Principal for the establishment and day to day management of an engineering consultancy. Involved as a Senior Engineer and Project Manager on project work undertaken by the company.

**PROFESSIONAL ENGINEER**

**1975 – 1987**

**NSW Department of Public Works**

- 1978 – 1987: Coastal Engineering Branch, PWD Head Office. Initially involved in investigation teams and ultimately as Supervising Engineer (North Coast) Grade 3 with responsibility for implementation of the Department's programs from Newcastle to the Queensland border. Administered the Department's Beach Improvement Program. Represented the Department at hearings of the Land and Environment Court, Commissions of Inquiry and compulsory mediation hearings. Responsible for all aspects of multi-disciplinary coastal process investigations along the NSW coast.
- 1976 – 1978: Manly Hydraulics Laboratory. Project engineer responsible for major coastal investigation team. Responsibilities included field data collection, numerical modelling, physical modelling and reporting.
- 1976: Sewerage investigation Branch. Undertook sewerage feasibility study for sewerage system at Urunga on the NSW north coast.
- 1975: Employed in the Metropolitan District office engaged on minor design, investigation and construction projects.

**ENGINEERING TRAINEE**

**1971 - 1974**

**NSW Department of Public Works**

Engineering Trainee at NSW Public Works during completion of Civil Engineering Degree.

**EDUCATION HISTORY**

**MBA (TECH MANAGEMENT)**

**2005**

**LaTrobe University**

**FRONTLINE MANAGEMENT CERTIFICATE IV**

**2001**

**M. ENG. SC. (COASTAL)**

**1984**

**University of New South Wales**

**BACHELOR OF ENGINEERING (CIVIL)**

**1974**

**University of New South Wales**