

## CAREER OVERVIEW

- Hydrologist | Hydraulics Engineer in Australia and the UK
- Extensive flood mitigation & planning in & around wetlands
- Assessment of areas for catchments / bridges / vehicle bypasses / rebuilds post flooding etc.
- Planning, cost estimates, economic assessment of highway and bridge options etc.
- Resourcing, tender submissions and project budget management.
- Repeatedly commended for work on flood affected bridge & road remediation
- Emphasis on safety during assessment, construction and future usage

## QUALIFICATIONS | PROFESSIONAL DEVELOPMENT &amp; PROFESSIONAL INVOLVEMENT

- Master of Engineering Science University of New South Wales, Sydney,
- Bachelor of Business James Cook University, Townsville, Australia 2002 – 2005
- Bachelor of Engineering, University of Queensland, Brisbane, Australia 1998 – 2002
- Chartered Member Institution of Civil Engineers CEng MICE #65580633 2009
- Chartered Professional Engineer Australia CPEng #2328510 2007
- Registered Professional Engineer Queensland RPEQ #8795 2007
- Department of Main Roads Undergraduate Engineering Scholarship 2001
- Australian Defence Force Academy Aeronautical Engineering 1998
- Modelling: MIKE Flood 21 and 11 MIKE FM, HEC RAS, TufLOW, TufLOW FV, WaterRIDE, CatchmentSIM, XP-RAPTS, RORB, MUSIC, ISIS, InfoWorks RS, IQQM, HydroWorks,
- Design: Autodesk CAD, MapInfo 12.5 Vertical Mapper, 12D v10
- Programming: FEWS, XML, Python, Pandas, Anaconda, Matplotlib, VBA, Javascript

## CAREER TO DATE

- |  |                  |
|--|------------------|
| • Hydrologist Engineer   Seqwater  | • 2014 – Current |
| • Senior Engineer (Hydraulics)   Transport and Main Roads                    | • 2011 – 2014    |
| • Bridge hydraulic design, floodplain modelling and guidance notes           |                  |
| • Bridge Scour Manual Authorship   |                  |
| • Dawson and Carnarvon Highways - Rolleston Options Evaluation               |                  |
| • Emerald Flood Mitigation Project & Heavy Vehicle Bypass                    |                  |
| • Granville Bridge Options Assessment  |                  |
| • Neerkol and Double Creek Flood Response 2013                               |                  |
| • Senior Water Resource Engineer   AECOM   Multiple Projects                 | • 2005 – 2011    |
| • Cell 1 Wallasea Island, Crossrail, Essex UK                                |                  |
| • Smeeth Lode Drainage Strategy, Kings Lynn IDB, Cambridgeshire/Norfolk UK   |                  |
| • Surface Water Management Plans UK  |                  |
| • Wallasea Island Wild Coast Project, RSPB, Essex UK                         |                  |
| • Townsville   Kalynda Chase Development Flood Modelling,                    |                  |
| • Keelbottom Creek Bridges Hydraulic Analysis                                |                  |
| • Duplication Flood Assessment, Townsville                                   |                  |
| • Southern Access Corridor Planning Study Flood Assessment, Townsville       |                  |
| • Balgal Beach Infrastructure Master Planning – Inundation Model, Thuringowa |                  |
| • Engineer   Queensland Department of Main Roads, Australia                  | 2001 – 2005      |

Senior referees available on request. Please do not distribute this resume without checking with me.

Thank you for your consideration. I am available for an interview at your convenience.