

Director of 3D Environmental Principal

of AUSGIS Pty. Ltd.

ACADEMIC QUALIFICATIONS

- Associate Diploma in Cartography from the University of Technology, Brisbane, Queensland, and
- Bachelor of Arts majoring GIS and Remote Sensing from the Queensland University, St Lucia, Qld.

PROFESSIONAL AWARDS

Planning Institute of Australia, Queensland Division (2005) '**Award of Excellence**' for the Caboolture Shire Councils Bushfire and Hazard Assessment Study. The award was given in the categories of Disaster Mitigation and Biodiversity Conservation and Planning in recognition of work completed in the Caboolture Shire Vegetation Mapping Project, 2004.

Planning Institute of Australia, National Division (2006) '**National Award of Excellence**' for the Caboolture Shire Councils Vegetation Mapping Project. National winner in the category of 'Biodiversity and Conservation Planning'

PROFESSIONAL SUMMARY

David Gooding is a Director of 3D Environmental where he specialises in analysis and representation of ecological data. David is also a director of Australian Geographical Information Solutions (AUSGIS) which undertakes GIS analysis for a range of sectors. AUSGIS has been operating over the last 16 years in environmental, resource, demographic and business-based GIS. AUSGIS operates with ESRI software products from ArcMap, ArcView and ARC/INFO along with other GIS packages like MapInfo. Consultancy roles in a wide range of Government Agencies, the Mining Industry and private companies have provided experience and knowledge in the versatility of GIS applications. Practical experience developing and implementing systems with a background in Survey and Cartography, provides a unique blend that affords the best possibilities for geographical / spatial representation. AUSGIS has worked on many and varied projects providing a complete GIS service to clients, either in a project management basis or sub-consulting as part of a larger and more varied team of professionals.

AUSGIS offers a unique blend of 20 years of Cartography and Geographic Information Systems. This blend of disciplines allows the utilisation of the tools and analysis of GIS in combination with the presentation of Cartography to demonstrate the potential of GIS to its best advantage.

PROJECT SUMMARY

- Numerous large scale vegetation mapping projects undertaken as director of 3D Environmental including Torres Strait Island vegetation mapping project, Arrow Energy Surat Gas tenement mapping and Arrow Energy Bowen gas field tenement mapping.
- GIS Implementation over NASA's Deep Space Communication Complex at Tidbinbilla facility in the ACT. Installing GIS software and migrating CAD data into GIS, training and on-going biannual
- Maintenance (Bruce Wiley, Manager Antenna and Site Facilities, Raytheon Australia/NASA)
- Fire Ant Control Centre – Managing Spatial Services, QA of statistics, data formats (SDE vs. shapefiles) and map production. Standardising map products, data storage and structure and cartographic practices. Design and implementing service delivery and client support strategies, training, and staff development (Keith McCubbin, Director of Fire Ant Control Centre, Dept of Primary Industries and Fisheries).
- Northwest Mineral Province – capture, mapping geology and data maintenance over
- a large portion of North West Queensland (John Tuttle. Geoscience Manager, Geological Survey of Queensland Dept of Mines.)
- Rob Friend & Associates – Vegetation, Weed and Firebreak mapping. Bushfire hazard, Land Slip assessment. Various Local Authorities – Logan City Council, Noosa Shire Council, Ipswich City Council Caboolture Shire Council.
- Hydrobiology Pty Ltd – River catchment studies for Brisbane, Stanley, Bremer, Albert, Logan, Dee and Mitchell Rivers. Weipa Sediment Study mapping, Macro-invertebrate Sampling mapping – Port of Hay Point, Sediment Sample Mapping – Townsville Inner Harbour, Sediment Sampling, Analysis mapping – Brisbane River & Outer Bar, Mapping for Cairns Port Authority (Hydrobiology Pty Ltd – Tasman Graham, Dr Andy Markham, Dr Ross Smith, & Dr Veronique Levy).
- Water Quality Mapping and Mine layout mapping – Highlands Kainantu Limited Kainantu Gold Project PNG (Hydrobiology Pty Ltd).
- Department of Fisheries, NSW – User needs analysis, recommending the software, training, implementation, customisation, database design, and policy on data capture, database input, meta data Develop an Aquaculture Oyster Lease Management system using GIS (Troy Workman, Aquaculture Manager – Dept Fisheries NSW).
- Coppabella Mine – Exploration and mine mapping. Tenement mapping (Energy Minerals Pty Ltd).
- Caloundra City Council A4 and A3 Street Index mapping. Storm Surge Analysis (Ben Pow – Caloundra City Council).
- Exploration, Geological Mapping and Report mapping (Burnett Coal Pty Ltd). Mine Site Mapping Tolukuma Gold Mine Limited.
- Caboolture Shire Council - Sub consultant to generate Open Space data sets identifying Hierarchy and mapping Open Space, Precinct and Strategic Plans (Allan Reid-ARC Environmental Planning).
- Quantum Food Services – Spatial business mapping, customer location, profit mapping, delivery route optimisation and mapping market opportunities (Matt Loveday, General

Manager, Quantum Food Services).

- Identification and classification of slope, identification of high risk (steep) areas incorporated into planning appraisal - Livingstone Shire Council (Richard Doughty. Livingstone Shire Council).
- Sylvatec Pty Ltd – Tree Plantation Analysis and Sieve Mapping Hervey Bay to Rockhampton and Cape York Peninsular. Fibre Farming Analysis and Sieve Mapping – Northern Territory (David Boden – Sylvatec Pty Ltd).
- Environmental Protection Agency – Catchment management and Land Systems Analysis in the Desert Uplands (Steve Jones – Environmental Protection Agency).

In addition to these qualifications David has worked in Cartography and GIS for the past 20+ years. Please find below a brief outline of his work history.

1994 – Date GIS Consultancy

Position: Director – 3DEnvironmental
 Director - Australian Geographical Information Solutions

Feb 1998 - September 1998 LandInfo Pty. Ltd. Position: GIS ProjectsManager

- Marketing and building the GIS capacity of the Brisbane office throughout Queensland and the Northern Territory involving generation and execution of
- GIS projects, identification of new market areas for GIS, and managing an emerging and developing GIS section.

1989 – 1994 Queensland Department of Primary Industries

Duties:

- System administration of Unix system, Monitor software (ARC/INFO) associated with GIS applications and report on the results to the GIS manager together with any recommendations for improvement or implementation.
- Major role in the development of an automated soils mapping application using ARC/INFO software.
- Training branch and regional staff in the use of ARC/INFO software.
- Assist in the coordination and implementation of Standards for Cartographic - GIS staff.
- Contribute to the technical and professional standards of performance for Cartographic - GIS staff.

1987 – 1989 Pan Australian Mining.

Duties:

- Management of drafting computer section.
- Assist with the preparation of Annual Reports. Supervise geological/cartographic drafting activities.