

Curriculum Vitae

Contact Details

David Gooding

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Employment History

2006 – Current : - Vegetation Analysis and Mapping Consultancy

Position: Director – 3D Environmental.

3D Environmental specialise in the survey and spatial representation of ecological information, dealing with broad scale botanical and geological spatial information as its core business. 3D Environmental specialises in the fields of; aerial photographic interpretation of vegetation communities and associated landform/geology; terrestrial flora field survey, and capture and management of spatial data in GIS format.

3D Environmental offers a comprehensive Geographical Information service, providing innovative spatial applications and delivering proactive strategies to business. We undertake user needs analysis to assess the need for a GIS system, and advised on software, training, implementation, customisation, database design, and policy on data capture, database input meta-data and accuracies. We provide the GIS spatial management, data capture and mapping for sustainable land use planning projects; integrating hardcopy data and incorporating digital data from many CAD and GIS systems and consolidating the information to usable spatial systems.

- Torres Strait Vegetation Mapping Project, Queensland: (Nov 2007 – 2013) Production of 1:25 000 scale vegetation mapping and detailed floristic survey of the Torres Strait Islands. The program included the survey of over 30 islands within the Torres Strait Islands local government area completed with a combination of intensive field survey and stereo-photo interpretation. The project, funded through the Torres Strait Regional Authority.
- Baseline Terrestrial Flora Survey for the proposed Traveston Dam EIS, South-East Queensland: (2007) Provision of a baseline terrestrial flora survey (including detailed botanical mapping) of the proposed Mary River Dam impact area. The study identifies significant flora habitats, the location and potential location of protected flora species within the immediate inundation area and the broader landscape, as well as detailed condition assessments of riparian vegetation along the Mary River.

1994 – Current: - GIS Consultancy (AUSGIS)

Position: Director – Australian Geographical Information Solutions.

I have extensive experience (25 years) in the application of ESRI software products (ArcMap, ArcView and ARC/INFO) along with other GIS packages like MapInfo in the areas of environmental, resource, demographic and business based GIS throughout Queensland and Australia. I provide consultancy roles in a wide range of Commonwealth, State and Local Government Agencies, Mining Industry, Consulting groups and the private sector. I have 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. As a GIS professionals I bring the spatial and cartographic tools to multi-disciplinary teams of Geologists, Botanists, Demographers, Foresters, Developers, Economist's, Lawyers and Marketing professionals

- 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.
- Northwest Mineral Province – capture, mapping geology and data maintenance over a large portion of North West Queensland..
- 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
- Published vegetation maps and Land System maps for the Department of Environment, Qld.

May 2003 - April 2004 Fire Ant Control Centre, Department of Primary Industries

Position: MANAGER SPATIAL SERVICES

Duties: Quality Assurance of statistics, assessing data formats (SDE vs. shapefiles) and redesigning map products. Standardising map products, data storage and structure and cartographic practices. Design and implementing service delivery and client support strategies, training and staff development.

Feb 1998 - September 1998 Landinfo Pty Ltd (SKM)

Position: GIS PROJECTS MANAGER

Duties: Marketing and building the GIS capacity of the Brisbane office throughout Queensland and the Northern Territory with the potential to both generate and execute GIS projects in the short term. In the long term identifying new market areas for GIS whilst managing the emerging and developing GIS section.

1989 – 1994 Queensland Department of Primary Industries

Position: Cartographer

Duties: System administration of Uinx 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.

Position: Geological Draftsperson.

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

1981- 1987 Survey Draftsman – R.K. Ferguson Pty Ltd, Surveyors Brisbane and later Ferguson and Jolly Pty Ltd

1976 – 1979 South Australian Dept. of Lands. Cadet cartographer

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'

Stanton, D.J., Fell, D.G., Gooding, D., and Friend, R.H. (2004). The vegetation of the Caboolture Shire. Unpublished report to the Caboolture Shire Council;

Education & Professional 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.

In addition to these qualifications David has worked in the area of Cartography and GIS for the past 20+ years.

In the past I have been a member of the Mapping Science Institute and in the inaugural years of SSSI. My membership has lapsed but there is no impediment to reapplying for membership.

Referees

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