

Sian Doherty

W: <https://www.siandoherty.com> | LinkedIn: <https://www.linkedin.com/in/siandoherty>

A: 2/49 Forest Road, West Hobart TAS 7000 | M: 0437963161 | E: sdoherty82@gmail.com

PROFILE

Reliable, hardworking, and organised professional recognised for extensive knowledge in spatial data creation, management, analysis, systems, Python scripting and general IT problem solving. Award-winning, detail-oriented team player committed to on time project completion with over 12 years of invaluable spatial industry experience. Proven innovative problem-solver dedicated to providing high quality geospatial products.

EDUCATION

Bachelor of Science (Resource and Environmental Management)

2003

Macquarie University, North Ryde, Australia

EXPERIENCE

City of Hobart, Hobart, TAS, Australia

Senior Spatial Visual Analytics and Integration Analyst

October 2019-Current

- Develop and provide GIS services within Council including, but not limited to, spatial data, satellite imagery, and aerial photography.
- Maintain web mapping services and related spatial data that form the basis of the corporate GIS; Geocortex.
- Supervise contractors and liaise with industry specialists to develop and monitor implementation plans.
- Develop customised innovative and sustainable solutions using Python and ArcGIS Pro Model Builder to support business needs and processes.
- Investigate and resolve any web mapping system issues that may occur including, but not limited to, slow map services.
- Coordinate and facilitate training in the use of GIS services throughout Council that could be easily understood by non-technical people, whilst maintaining and reviewing Council documentation on procedural and technical aspects.
- Research and develop other GIS solutions including mobile mapping and integration with nonspatial data and systems.
- Supervised projects at a unit and organisational level including, but not limited to, planning, coastal hazards, and heritage.

City of Hobart, Hobart, TAS, Australia

GIS Development Officer

November 2016-October 2019

- Developed high quality cartographic products (hard copy and ArcGIS online maps) and data outputs from GIS and related data using a range of spatial and non-spatial system integration techniques.
- Monitored security measures ensuring the integrity and validity of GIS data and versioning in spatial datasets.
- Independently provided advanced mapping and spatial solutions to achieve objectives against specified key performance indicators.
- Ensured consistent, standardised, and accurate recording of corporate asset infrastructure.
- Created GIS documentation used within the Council's content management system that was suitable to be used and understood across the organisation.

Sian Doherty

W: <https://www.siandoherty.com> | LinkedIn: <https://www.linkedin.com/in/siandoherty>

A: 2/49 Forest Road, West Hobart TAS 7000 | M: 0437963161 | E: sdoherty82@gmail.com

Crown Prosecutor's Office, Calgary, AB, CANADA

Data Entry Clerk

June 2014-May 2015 (contract)

- Handled highly sensitive and confidential personal client information when entering data into Calgary Microsoft Access database (BERT) ensuring extremely high accuracy.
- Itemised and assembled disclosure packages within strict timelines.
- Identified errors in documents and updated accordingly.
- Provided general technical assistance, maintained supplies and resolved problems with general office machines e.g. multi-function machines, and printers etc. for 9 people when required.

City of Calgary, Calgary, AB, CANADA

Census taker

April 2014/May 2015 (census contract)

- Collected and compiled census data for the City of Calgary.
- Submitted census data using City of Calgary issued iPad and online system.

Queensland Department of Natural Resources and Mines, Brisbane, AUSTRALIA

Senior Spatial Information Officer

March 2013–September 2013

- Performed complex spatial analysis, modelling, data manipulation and reporting services supporting the Vegetation Management Reform team decision making.
- Provided technical support and expertise for 10-20 people regarding a wide range of GIS software, spatial systems, data manipulation and operating system upgrades.
- Prepared statistics and reports for ministerial briefs.
- Provided weekly project progress reports to supervisor.
- Presented results of spatial analysis to policy team/management and provided recommendations for future policy creation.
- Prepared documentation for methods and work procedures in line with GIS team protocol.
- Performed monthly data extractions and metadata updates supporting critical business initiatives and distributed to remote departmental offices adhering to ISO and business unit standards.
- Merged spatial data from 2 different databases ensuring duplicates were deleted and data integrity and accuracy was maintained.
- Tested ArcGIS 10/10.1 for compatibility with existing procedures before performing upgrade
- Coordinated acquisition of new computers and managed removal of out-of-date computers and other hardware and updated the Asset Management Database.

Sian Doherty

W: <https://www.siandoherty.com> | LinkedIn: <https://www.linkedin.com/in/siandoherty>

A: 2/49 Forest Road, West Hobart TAS 7000 | M: 0437963161 | E: sdoherty82@gmail.com

Queensland Department of Environment and Heritage Protection, Brisbane, AUSTRALIA Senior GIS Analyst (Secondment) January 2011–March 2013

- Produced high quality cartographic hard copy maps and online products using knowledge of GIS and cartographic principle.
- Presented GIS results at south-west QLD community consultations in collaboration with Project Officer.
- Created, maintained, and distributed draft legislative GIS datasets to project partners ensuring correct projection and datum including metadata ensuring topological and spatial accuracy.
- Researched, prepared, and analysed data supporting environmental planning, policy, and legislative amendments.
- Critiqued environmental policy documents for environmental planners.
- Prioritised tasks in daily workflow to ensure deadlines were met whilst adhering to policy standards and templates when preparing maps, results, and reports.
- Provided technical support to 6+ people relating to a wide range of software, spatial systems, and data manipulation including preparing map products for Business Unit website.
- Documented work procedures supporting strategic and delivery program objectives.
- Maintained an appropriate level of knowledge of relevant legislation, policies and procedures facilitating the development of geospatial products.

Queensland Department of Natural Resources and Mines, Brisbane, AUSTRALIA Spatial Information Officer March 2006–January 2011

- Performed complex data extractions and manipulations to report and rectify data integrity issues using MapInfo Professional.
- Project managed validation, acquisition, and attribution of hydrological data in Brisbane River drainage basin using Microstation for supply to Geoscience Australia (GA).
- Validated Light Detection and Ranging (LiDAR) data supplied by contractors using ArcGIS, Quick Terrain Modeller and Fugro Viewer compared with Departmental Permanent Survey Marks (PSMs) and provided report on Root Mean Square Error (RMSE) of LiDAR.
- Compared contractual supplied Digital Elevation Model (DEM) data with LiDAR ground points to ensure consistency and accuracy.
- Developed workflow for batch conversion of legacy data to new format maintaining structure and integrity using ETL tools such as FME workbenches.
- Streamlined existing solution and documented process for the simplification of LiDAR data to reduce necessary storage capacity by 25%.
- Suggested system enhancements for Topographic Database known as RIME (Resource Information Management Environment).
- Trained/supervised 3 staff and provided guidance on standards, protocols and best practice for data capture, geoprocessing, geocoding and data validation processes
- Coordinated acquisition of new computers and other hardware for the unit.
- Managed removal of out-of-date computers and other hardware and updated the Asset Management Database.

Sian Doherty

W: <https://www.siandoherty.com> | LinkedIn: <https://www.linkedin.com/in/siandoherty>

A: 2/49 Forest Road, West Hobart TAS 7000 | M: 0437963161 | E: sdoherty82@gmail.com

SUMMARY OF SOFTWARE SKILLS

- GIS software: ArcGIS Pro 2.2-2.7, ESRI ArcGIS Desktop 9.2, 9.3, 10.0-10.7, Geocortex, MapInfo, Microstation, QGIS, Quick Terrain Modeller, ERDAS Imagine, Fugro Viewer
- ETL software: Safe FME (Feature Manipulation Engine)
- Programming and Database Querying: Python scripting, Mapbasic, HTML, XML, CSS, SQL
- Microsoft Office 365 including Teams, Word, Excel, Powerpoint and Outlook
- IIS, Remote Desktop, Google Earth, Google Maps, Adobe Photoshop, Adobe LiveCycle Designer

PROFESSIONAL DEVELOPMENT/TRAINING

- | | |
|---|------|
| • ESRI MOOC: Spatial Data Science | 2020 |
| • Getting started with Geocortex Reporting | 2020 |
| • Developing Client-side Workflows with Geocortex Workflow 5 | 2020 |
| • Introduction to ArcGIS Pro | 2019 |
| • Geocortex Essentials and Introduction to Developing Workflows | 2017 |
| • What's New in ArcGIS 10 / Python Scripting | 2011 |
| • Recruitment and Selection training for panel members | 2009 |
| • Introduction to Prince2 Project Management | 2008 |
| • ESRI Introduction to Cartography | 2007 |
| • Intermediate MapInfo training | 2007 |
| • Introduction to MapInfo | 2006 |

AWARDS

City of Hobart
GOVHACK Best Government
Participation/Best Local Government
August 2020

Healthy Waters Policy Team – Department of
Environment and Heritage Protection
CERTIFICATE OF ACHIEVEMENT –
“Outstanding Performance In The Workplace”
August 2011

Vegetation Management Reform Team –
Department of Natural Resources and Mines
AUSTRALIA DAY ACHIEVEMENT AWARD –
“Renewal”
January 2014

Sian Doherty - Lake Louise Resorts of the
Canadian Rockies (RCR)
EMPLOYEE OF THE MONTH
February 2005

Sian Doherty

W: <https://www.siandoherty.com> | LinkedIn: <https://www.linkedin.com/in/siandoherty>

A: 2/49 Forest Road, West Hobart TAS 7000 | M: 0437963161 | E: sdoherty82@gmail.com

VOLUNTEER EXPERIENCE

Calgary Sports and Social Club

April 2014-June 2015

Coordinated Flag football and slo-pitch games weekly including field setup and liaison between players and organisers

Central West Catchment Management

Authority (CMA)

September-December 2005

Analysed stakeholder requests for funding from CMA for use in Natural Resource Management projects

Brisbane Metropolitan Touch Association &

University of Queensland Sport

December 2007-September 2013

Organised and led social Netball and Touch Football teams for almost 6 years

New South Wales Parks and Wildlife Service

December 2003

Researched and developed method for surveys of pine tree saplings to assist in pest management strategy

New South Wales Parks and Wildlife Service

February 2006

Assisted in development of report and cartographic products for extension of conservation reserve area proposal

Australian Bureau of Meteorology

July 1998

Assisted in analysis of hydrographical data for use in flood warning report