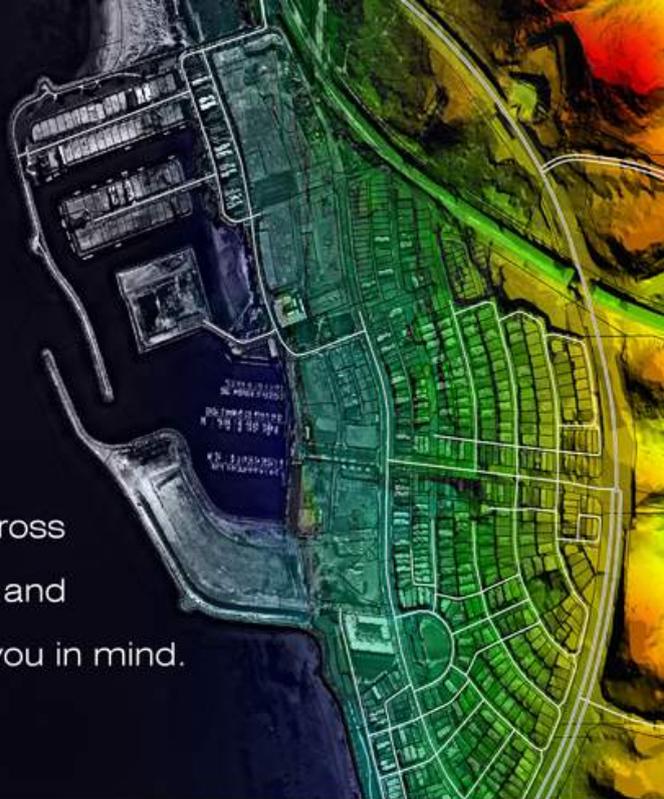


ENVIRONMAPS

Environmental Mapping Solutions



Welcome to ENVIRONMAPS.

We are GIS/Cartographic professionals that serve a diverse range of Environmental Consultancies across Australia. We specialise in Environmental Mapping and Analysis, producing quality GIS products with only you in mind.

Simon Crofts, director

Objective

Organised, adaptable, professional, with over twenty years experience in the geographical information systems / cartographic industry. Previously employed as the Team Leader / Manager of the RPS Environment Geomatics division for thirteen years.

Skills & Ability

Simon has over twenty years of experience in the cartographic / geographical information system profession. Simon was the Team Leader / Manager of the Geographical Information Systems division for RPS Environment working closely with environmental scientists. Simon has worked for a range of clients including state government agencies, local councils, land developers, the mining industry and the energy sector.

Simon was responsible for leading a team of GIS professionals to design and develop enterprise-scale GIS applications and services in accordance with agreed standards, procedures and OHS. Simon was responsible for the day to day support and maintenance of the developed applications and services in line with predefined service levels.

Simon championed and maintained a geographic information systems database for RPS Environment in Perth which included the creation, introduction, manipulation, documentation, management and presentation of all types of data from the public and private sectors. These datasets were introduced and formatted into the RPS database using best practice methods which Simon introduced to his team.

Software frequently used: ESRI ArcGIS Suite and ArcPad, Microstation V8, Global Mapper, Microsoft Office and the Adobe Photoshop Suite.



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Simon Crofts, director

Experience

GEOGRAPHICAL INFORMATION SYSTEMS – SPATIAL ANALYSIS
AND RESEARCH – TEAM LEADER / MANAGER – BOWMAN BISHAW
GORHAM / RPS ENVIRONMENT August 2000 – April 2013

Exclusively for RPS' Environment business unit, Simon has undertaken the following responsibilities: Championed and maintained a geographic information systems database for RPS in Perth. This included the creation, introduction, manipulation, documentation, management and presentation of all types of data from the public and private sectors. These datasets were introduced and formatted into the RPS database using best practice methods which Simon introduced to his team.

Simon created and introduced a Geomatics Procedure Manual for the RPS Environment business unit. Incorporated in the manual were Geomatic purposes, scope, conventions and production procedures. The Geomatics Procedure Manual is still in use today.

GENERAL TASKS PERFORMED AT RPS:

- ✦ Creating and maintaining the structures necessary for GIS data storage.
- ✦ Developing the tools for loading/transferring GIS data between different systems.
- ✦ Manipulation, analysis and presentation of geographical information by creating programs to convert GIS information from one format to another.
- ✦ Researching internet applications to present GIS data and tools on corporate websites.
- ✦ Using tools to join together different GIS datasets and create new information or investigate patterns, e.g. estimating the number of people potentially affected by flooding, using population growth figures and planning information to estimate increasing/decreasing demand for school capacity, or calculating the number of potential customers for a new supermarket and predicting buying patterns based on socio-economic factors.

Many of the activities are project based and involve working and liaising with clients to educate and clarify the nature and purpose of the information they require.



Simon Crofts, director

Experience cont.

GEOSPATIAL TASKS COMMONLY PERFORMED:

- ✦ Opportunity and constraints production and analysis mapping.
- ✦ Geographical Information Systems for environmental waste management.
- ✦ Environmentally sustainable analysis and production.
- ✦ Acid sulfate soil examination and presentation.
- ✦ Geomorphic wetland management category production and examination.
- ✦ Geological soil type analysis and presentation.
- ✦ Asbestos monitoring production and mapping.
- ✦ Soil and validation sample location analysis and presentation.
- ✦ Trace metal exceedance mapping and analysis.
- ✦ Waste management analysis and mapping.
- ✦ Drainage analysis and investigation for urban and rural design.
- ✦ Intertidal and subtidal habitat creation, investigation and mapping.
- ✦ Social impact production, investigation and presentation.
- ✦ Flood plain and floodway production and analysis.
- ✦ Aboriginal heritage site study and presentation.
- ✦ Hydrographical and hydrology investigation mapping.
- ✦ Land capability and quality production and analysis.
- ✦ Cross-section and conceptual model creation.
- ✦ Fauna habitat and movement survey analysis and mapping.
- ✦ Graceful Sun Moth data analysis, production and mapping.
- ✦ Vegetation Unit production, investigation and presentation.
- ✦ Vegetation Condition production, analysis and mapping.
- ✦ Dieback and rehabilitation investigation presentation.
- ✦ Statistical and spatial-based querying.
- ✦ Core components of geospatial analysis, including distance and directional analysis.
- ✦ Creation and presentation of field survey plans.
- ✦ Data capture in the field using GPS and DGPS.
- ✦ Customising ArcPad dropdown menus for data capture in the field with the aim of eliminating human error and saving time and costs.
- ✦ GIS data capture training to scientific field hands using ArcPad, GPS and a tablet.
- ✦ GIS analysis and data manipulation/presentation training to environmental consultants.
- ✦ The creation of the geographical information systems procedures and processes manual for auditing and quality assurance purposes.
- ✦ Team leadership / management responsibilities such as mentoring staff within his team, holding staff evaluation and annual reviews including remuneration, interviewing and hiring of potential staff members.
- ✦ Project management and tendering processes.
- ✦ Exercising duty of care in line with RPS' Occupational Safety and Health policies.



Simon Crofts, director

Selected Project Experience

Barrow and Thevenard Islands - Chevron

GIS assistance with the Annual Environmental Report, Groundwater Monitoring Report, Environment Management Plan, Site Management Plan, Waste Assessment, Discharge Water Monitoring, Sampling and Analysis Plan, Drilling and Soil Analysis Plan, Annual Marine Environmental Managing Plan, Waste Water Assessment Plan, Weed and Vegetation Management Inspections, Native Fauna and Flora Rehabilitation Plan and a Pipeline Vegetation Survey.

Maret Islands - INPEX

Provided geographic information system skills on the Inpex job with regards to Flora Surveys, Vegetation Surveys, Intertidal Surveys, Water Quality Analysis Plans, Noise and Vibration Assessments and Turtle Monitoring.

Tidal Energy - Atlantis

Providing GIS assistance with the sourcing of database information such as Geology, Bathymetry, Topography, Commonwealth Fishery Boundaries, DEC Marine Protected Areas, Aboriginal Heritage Sites, Marine Benthic Substrate Information, Tidal Information and Shipping Route Density.

Perth Waterfront Project

GIS support was provided in the follow areas: Annual Environmental Review, Environmental Assessment Report, Perth Waterfront Master Plan, Acid Sulfate Soils and Contamination Report and Preliminary Site Investigation.

The New Perth Stadium

Environmental GIS planning and assistance in the subsequent areas: Geotechnical Investigations, Soil and Water Quality and Environmental Studies.

Paganoni Quarry, Gaskell Avenue Quarry, Gingin Quarry - ROCLA

Provided geographic information system skills on various jobs concerning Flora and Vegetation Surveys, Conservation Investment and Management Plan, Annual Reports, Works Approvals, Clearing Permit Applications and Remnant Vegetation Analysis and Dieback Rehabilitation Investigations.



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Simon Crofts, director

Selected Project Experience cont.

Champion Lakes, Seville Grove, Aubin Grove / Harvest Lakes - Landcorp
Environmental GIS support was provided in the subsequent areas: Water Management Plan, Commercial Development Report, Environmental Drainage Nutrient and Irrigation Management Plan, Groundwater Monitoring Plan, Urban Water Management Plan, Urban Water Management Plan and Graceful Sun Moth Report.

Austin Cove, Preston Beach - Satterley

Providing Environmental GIS design and support with the Graceful Sun Moth Report, Mosquito Monitoring Program, Wetland Monitoring Program, Wetland Buffer Study, Wetland Boundary Assessment, Townsite Strategy Environmental Report and Groundwater Monitoring Plan.

Port Coogee Development - Australand

Environmental GIS planning and assistance in the subsequent areas: Groundwater Monitoring and Management Report, Drain Monitoring Report, Risk Assessment Report, Dust Monitoring Interim Report, Investigation and Remediation Report, Recycled Water Quality Management Plan, Environment and Health Risk Assessment, Remediation Groundwater Management Plan, Remediation and Validation Report, Groundwater Remediation Report, Environmental Management Plan and a Soil Investigation Report.

Point Grey Marina and Residential Development - Point Grey Development

Providing GIS support and planning for the Point Grey Marina and the 260 hectare residential development which was successfully negotiated with the State Government agencies, the OEPA and the Commonwealth to secure approvals for the marina and residential development.

Preston Beach Townsite Strategy - Shire of Waroona

Environmental GIS support was provided in planning and assisting with the Hydrology, Ecology and Environmental Approval reports.



Simon Crofts, director

Leadership

Simon was targeted within RPS as a future leader and selected to complete the Acuity Leadership program which draws critical distinctions between Leadership & Management while incorporating Vision & Strategy. The program is specifically aimed at the emerging and middle leadership level in a company - Managers / Team Leaders / Technical Directors.

In the Acuity Leadership Program Simon learnt how to:

- ✦ Differentiate between management and leadership
- ✦ Identify your personality and leadership style
- ✦ Lead through principles and values
- ✦ Become a CLEVER leader
- ✦ Communicate using RAPPORT
- ✦ Coach, train and mentor, and the difference between these three
- ✦ Present effectively in public
- ✦ Negotiate and resolve conflicts

References

STUART SMITH: Director of the once Bowman Bishaw Gorham, Environmental Management Consultants
0407 448 011

RICHARD GORHAM: Director of the once Bowman Bishaw Gorham, Environmental Management Consultants
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MARTIN BOWMAN: Director of the once Bowman Bishaw Gorham, Environmental Management Consultants
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REBECCA EPWORTH: Director of Coterra Environment
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STACEY HARLEY: Director of Coterra Environment
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KRISTEN BENNETTS: Director of Coterra Environment
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