



# RUTH MCKEOWN

## GIS Specialist

Ruth is a GIS Specialist with over 30 years of industry experience. She has been a contributing member of the Southern Regional Water Pipeline Alliance (SRWPA) which was acknowledged by a raft of state, national and international awards that recognised SRWPA's achievements in safety, training, innovation and project management. She was also a contributing member of a team to win the Santos 2012 CEO Technical Excellence, Innovation and Integration Award. Ruth was also a contributing member of a team to win the KBR 2012 Innovation Award.

## SKILLSETS

ESRI ArcGIS Suite



MapInfo



QGIS



CAD



GPS



## CONTACT

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## MAJOR PROJECTS

- Oresome Resources - Urquhart Point Bauxite Project
- Multicom Resources - Saint Elmo Vanadium Project EIS
- Fyfe – CPB Origin Expansion
- Santos GLNG Roma Sector 3 Phase 1 Concept
- Spatial Systems Lead, Southern Regional Water Pipeline Alliance (SRWPA)

# EXPERIENCE

## GIS

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- **Santos GLNG Roma Sector 3 Phase 1 Concept.** As part of the GIS Team Ruth contributed to the development and implementation of Integrated Infrastructure Planning and Land Access process during the Concept Phase. She provided expertise in, the development of GIS based tools using Proprietary software which created “heat maps” and “no go zones” to allow consolidated constraints mapping at a desktop level for more accurate placement of infrastructure early in the Concept phase, reducing recycle in subsequent desktop and field scouting processes. She also started integrated desktop workshops which brought together key internal stakeholders and continuous improvement technology solutions to develop accurate early infrastructure plans on a property-by-property basis;
- **DTMR Gateway Upgrade North Project.** Ruth provided mapping expertise and report figures to show that approval requirements were identified (e.g. marine park permits, coastal processes, waterway barrier works, marine plants removal, and overlays of bushfire management, acid sulphate soils etc.) and obtained in accordance with State legislation.
- **Newlands Coal Extension Project Environmental Impact Statement (EIS), Queensland.** Ruth was responsible for providing the mapping and analysis required to obtain environmental approvals, including offsets strategy, mine water balance, groundwater and terrestrial ecology, and stakeholder engagement activities.
- **Tiplers Passage Marine Plant Assessment, Queensland.** The Gold Coast Waterway Authority (GCWA) undertook a beach nourishment program along a section of Tiplers Passage. Ruth’s responsibilities for this project were setting up GPS applications for field data capture of marine plants, download, validation and analysis of the field data. Deliverables were providing mapping for the marine plant assessment report which outlined the impacts on marine plants and likely offset requirements.
- **Infrastructure Options delivering Coal Seam Gas water to Central Condamine Alluvium.** Ruth undertook GIS analysis and mapping to complete the CSG (Coal Seam Gas) project to client satisfaction on time and received excellent stakeholder and Customer feedback from community meetings
- **Spatial Systems Team Leader, Northern Network Alliance, Brisbane.** Ruth was leader of a team of three GIS specialists in the application and delivery of spatial systems, including desktop, web and mobile solutions to meet the needs of the wider project team. Innovative use of spatial systems was a key strength in achieving the spatial system scope for this project, which was to provide ‘live’ spatial data to the desktops of the entire project team, whether based in the main office in Brisbane or the construction site office.
- **Spatial Systems Lead, Southern Regional Water Pipeline Alliance (SRWPA), Brisbane.** Ruth was responsible for a group of GIS specialists, managing the day-to-day desktop and report mapping and analysis requirements, Intranet web site maintenance and mobile mapping requirements of the larger diverse project team, which includes Engineering/Design, Environmental and Construction teams spread across a number of offices.

## POSITION SUMMARY

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● 2016 - Present	GIS Specialist	<b>Epic Environmental Pty Ltd</b>
● 2016 - 2018	Member Services Coordinator	<b>Spatial Industries Business Association (SIBA)</b>
● 2015 - 2015	GIS Specialist (Casual)	<b>SMEC</b>
● 1984 - 2014	Spatial Systems (GIS) Specialist	<b>KBR</b>