

# location matters

A *point of reference* for Tasmanian land information



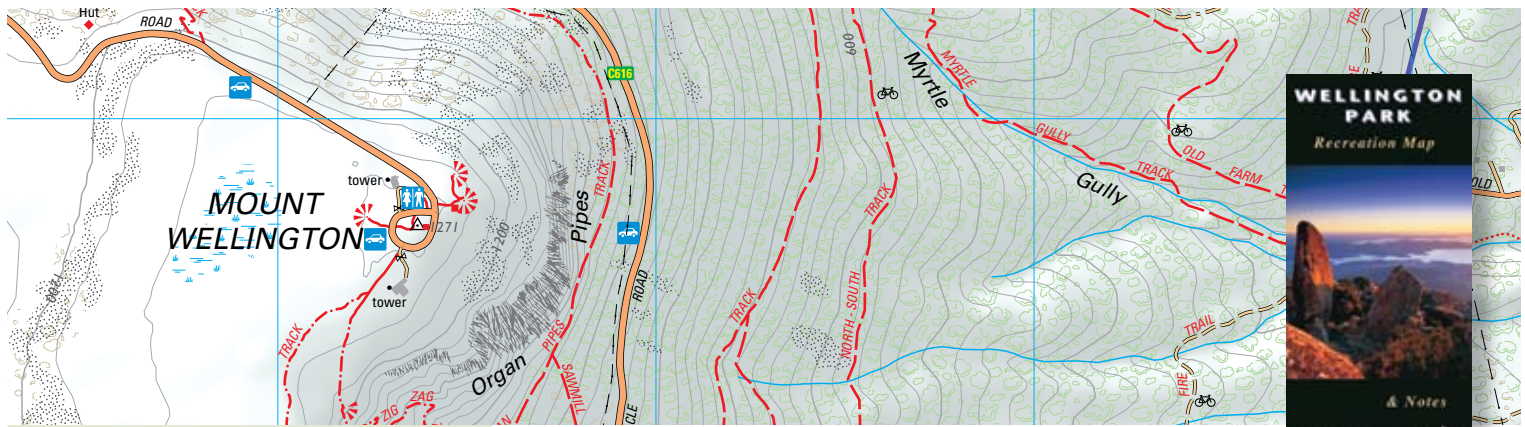
## THIS ISSUE

TASSIC - getting the fundamentals right

A glimpse back in time

Leading the way in valuation

CORS for celebration



Wellington Park Recreation Map is available for purchase from Service Tasmania shops, TASMAM resellers and agents and online at [www.tasmap.tas.gov.au](http://www.tasmap.tas.gov.au)

**locationmatters** is produced by the Information and Lands Services Division of the Tasmanian Department of Primary Industries, Parks, Water and Environment (DPIPWE).

This newsletter aims to provide professionals and the general public with interesting articles and news about land information in Tasmania.

We encourage you to provide feedback or ideas for future issues and hope you take advantage of this opportunity to keep in touch. Comments can be emailed to [geodata.clientservices@dPIPWE.tas.gov.au](mailto:geodata.clientservices@dPIPWE.tas.gov.au)

An electronic version of this publication can be found at:

[www.dPIPWE.tas.gov.au/locationmatters](http://www.dPIPWE.tas.gov.au/locationmatters)

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### Cover image

A grader equipped with a precision guidance system in use on the Kingston bypass roadworks. The complete article can be found on page 10.



# Message from Kate Kent...



## As General Manager

of the Information and Land Services Division (ILS), I am always excited about

the ideas that Tasmania is able to develop and implement.

## Collaborative government works well in Tasmania.

Exciting, multi-agency projects – such as the establishment of a state-wide CORS network featured in this issue – are testament to the way in which a small dedicated public sector is able to lead by example.

Over the last two years, we have worked with the spatial information community to establish the multi-sector Tasmanian Spatial Information Council (TASSIC) and the recent appointment of a new Chair, Hon Gary Nairn, illustrates the Tasmanian Government's recognition of the importance of spatial information infrastructure to the Tasmanian community.

There has always been a demand for strong, evidence-based information to underpin policy decisions. Spatial information is an important component of this. Policy and decision-makers in a range of areas, including social inclusion, planning and climate change, need better spatial data to assist with their work.

We are currently working with spatial industry and government colleagues to develop a robust business case for further investment in our already strong foundations and capabilities.

**One of the most telling challenges we face is to look at spatial issues not just from the perspective of the provider of the technical solution, but also from the perspective of 'the user'.**

In this edition, we describe how a unique user perspective has been carefully considered and this challenge has been met through the introduction of VGMaps – leading edge software developed in-house by the Office of the Valuer-General.

In closing, I would like to take this opportunity to thank the staff in ILS for their efforts in the production of this newsletter and for their enthusiasm and professionalism throughout the year.

I wish you all a safe and happy festive season.

Kate Kent  
General Manager

Information and Land Services Division  
Department of Primary Industries, Parks,  
Water and Environment

# Simple, smart and mainstream

*getting the fundamentals right*

**The new Chair** of the Tasmanian Spatial Information Council (TASSIC), Gary Nairn, is not just an inspiring and highly respected champion of the value of spatial information, he also believes that Tasmania has potential to lead the nation in more ways than one.

Gary was appointed in July by the Minister for Primary Industries and Water, Bryan Green, following a public call for expressions of interest. His appointment adds an important national and international perspective to the Council's already strong representation from private enterprise, academia and government.

With around 40 years experience in an impressive range of positions and areas of responsibility in the spatial information industry, Gary has worked in both private enterprise and government roles and is highly regarded for his work within the Australian spatial information community.

**LOCATION is the common element in major issues confronted by all governments, every day, right around the world. Every activity or its impact occurs somewhere.**

Gary is encouraged by the Tasmanian Government's understanding of the importance of evidence-based decision-making. He applied for the role of TASSIC Chair because he believes Tasmania is well placed to take advantage of the community's increasing awareness of the power of spatially enabled information.

"Having initiated a number of spatial projects related to standards and interoperability during my time as Special Minister of State in the Federal Government, I am very keen to see further progress and TASSIC is well placed to achieve on a State basis what I believe is ultimately required nationally," Gary said.

"Being a small jurisdiction, Tasmania has been able to structure its spatial



*Minister Bryan Green (left) at a recent meeting with TASSIC Chair, Gary Nairn.*

information in such a way that has resulted in quite extensive use across a broad cross-section of applications. The early development of LIST made that more achievable."

"But it's now time to take LIST to a new level. The efficient implementation of TASSIC's strategic plan will make that happen and gradually we will see spatial information becoming part of mainstream infrastructures in Tasmania and therefore forming a ubiquitous layer of data fundamental in decision-making by government, private and community sectors."

Gary's interest in all things spatial was founded in his early career as a surveyor in Australia, the UK and Europe, including 13 years running his own surveying and mapping business. He served as the member for Eden-Monaro in the Australian Parliament from 1996-2007, a time when the importance of spatial information was highlighted by the devastating 2003 bushfires.

"Let's gather the data only once, share what we have and get governments working together. Let's make the data available, easy to find and make it easy for users to know what they can do with it," Gary said.

In promoting the value of spatial information, Gary emphasised the importance of using the best examples of how to meet everyday challenges and solve problems that can't be solved without the further development of spatial data infrastructures.

**"We need to promote the solutions, not the technology."**

*Caroline Palfreyman  
Information Coordinator - ILS Directorate*

# Inveresk railway workshops

*a glimpse back in time*

## The Inveresk railway workshops

were established around 1870 to assist in the construction of the railway between Launceston and Deloraine, service locomotives and build rolling stock. Over time, the workshops expanded to service the entire Tasmanian railway network, with a blacksmith's shop and engineering services, as well as facilities for the manufacture and maintenance of the railway and its rolling stock.

## The largest industrial site in Tasmania in its heyday ...

In the 1990s, funding for redevelopment of the site was provided through the Australian Government's 'Building Better Cities Program'. This redevelopment has provided a wide range of facilities. The site is now Launceston's major cultural centre, housing the School of Visual and Performing Arts, the Queen Victoria Museum and Art Gallery, and Aurora Stadium.

Over the years, aerial images of the site have been captured as part of the TASMAR aerial photography program. These images are updated every few years and provide a fascinating contrast between the industrial site in 1946 and the completed redevelopment in 2009.

While aerial photography is an important element in the accuracy of mapping products and other spatial data, it also provides a permanent historical record of development in Tasmania.



*Aerial photo of the Inveresk railway workshops in 1946 (left) compared with the redeveloped site in 2009.*

As well as an archive of aerial photography, the Tasmanian Government has an extensive array of historical photos that capture many significant events and developments spanning more than 60 years.

The photos below show scenes from inside the workshop in the 1960s, and during the early stages of redevelopment.

*Andrew Tomes  
Manager - Spatial Data, ILS*



# Find what you need!

Land Information  
**online**



the **LIST.**  
Land Information System Tasmania.

Providing **all** the information  
about **your property**

[www.thelist.tas.gov.au](http://www.thelist.tas.gov.au)



## Client Services Contact Details

Normal operating hours for all client enquiries are

**9.00am – 4:30pm Monday to Friday**

### LIST Helpdesk

E-mail [listhelp@dpiipwe.tas.gov.au](mailto:listhelp@dpiipwe.tas.gov.au)

Phone (03) 6233 2465

Fax (03) 6233 6568

Web via the client request form  
(subscribers only)

### TASMAP Distribution Centre

E-mail [tasmap@dpiipwe.tas.gov.au](mailto:tasmap@dpiipwe.tas.gov.au)

Phone (03) 6233 6039

Fax (03) 6233 6568

Order online at [www.tasmap.tas.gov.au](http://www.tasmap.tas.gov.au)

### Spatial Data / Agreements / Copyright

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Fax (03) 6233 6568

# What is the **LIST.**

Land Information System Tasmania.

## The Land Information System Tasmania (LIST)

is a whole-of-government infrastructure that facilitates the discovery and delivery of integrated services and information about land in Tasmania.

The LIST provides a secure platform from which a wide range of government land information and services can be managed, discovered and delivered. The LIST website [www.thelist.tas.gov.au](http://www.thelist.tas.gov.au) provides the means through which government and non-government users can find and use location-based information.

Through LIST, subscribers and the general public can access a wide range of property information, including titles, sales, valuations, and survey plans. LISTmap delivers an equally extensive range of information that can be overlaid and searched through a map viewer interface. Aerial photos, administrative, environmental and topographic data can all be found and visualised through LISTmap.

## Spatial (location-based) information is becoming increasingly vital to our daily lives.

In recent years, there has been a significant increase in overall use of the LIST, from 8.3 million page requests in 2006-2007 to over 16 million requests in 2009-2010. The LIST is now viewed as a critical system by both government and private business in Tasmania.

## “The location of anything is becoming everything!”

summarises the critical nature of spatial information and the growing awareness of its value in the global community.

Established in 1996, the LIST infrastructure is managed by the Information and Land Services Division (ILS) of DPIIPWE. In managing the LIST, DPIIPWE ensures that users from all industry sectors and the wider Tasmanian community have access to land information via the following key components:

- **Online Map Viewer - LISTmap**
- **Data Exchange – LISTdata**
- **Data Discovery – Tasmanian Spatial Data Directory (TSDD)**
- **Subscriber Services**
- **Web Services**

These components are supported by recognised standards, policy and security:

- a secure environment, with different levels of access managed by user logins and passwords
- compliant with all relevant legislation [including *Land Titles Act 1980*, *Personal Information and Protection Act 2004*, *Copyright Act 1968 (C'th)* *Privacy Act 1988 (C'th)*]
- consistent with national and international developments and trends in technological platforms and data delivery methods.

Our Client Services section provides help desk support and a single first point of contact for all LIST enquiries. Please contact us for more information.

*Todd Baker*  
Manager - Client Services, ILS

<sup>1</sup> Source: *Geospatial Revolution*, Penn State Public Broadcasting <http://geospatialrevolution.psu.edu/project/index.html>

## How DPIPWE, data custodians and clients contribute to the successful operation of the LIST.

The Land Information System Tasmania (LIST) is a whole of government infrastructure that facilitates the discovery and delivery of integrated services and information about land in Tasmania.

### Geospatial Data

With the assistance of data custodians, ILS maintains and delivers the State's core – or 'framework' – datasets, which include roads, cadastre (property boundaries), topography, relief, administrative boundaries, geodetic control, nomenclature and imagery. These datasets provide the context for other datasets. Key identifiers within the cadastre provide links to title and valuation information. Other major datasets available through the LIST include natural values and vegetation (TASVEG), as well as increasingly more information on climate change, soils and coastal values. ILS also obtains, stores and delivers a comprehensive range of critical infrastructure data to emergency service organisations.

### Data Exchange – LISTdata

A significant quantity of spatial datasets are supplied electronically to a diverse range of clients across all tiers of government and the private sector through an automated data delivery system developed within the LIST infrastructure. This system is called LISTdata. Over 7,000 individual datasets are supplied each year to more than 60 clients. Data custodians (people with administrative control and responsibility for granting access to the data) also use this system to return new and/or improved data to DPIPWE for integration into core statewide datasets.

### Data Discovery – Tasmanian Spatial Data Directory (TSDD)

TSDD provides an interface for the entry and maintenance of information about spatial datasets (metadata), as well as a search interface. Metadata describes how and when and by whom the data was collected, and how the data is formatted. It describes the content, quality, currency and availability of data. Currently, over 30 organisations contribute to the TSDD, including all three tiers of government.

### Web Services

The LIST provides a secured Web Feature Service (WFS) and a secured Web Map Service (WMS) to deliver vector (lines or arcs) and raster (coded areas) data to clients.

An **Address Validation Service** is currently being tested. This service enables the validation of physical and postal addresses anywhere in Australia and allows for the parsing or breaking up of address strings and provide address geocoding and reverse geocoding services.

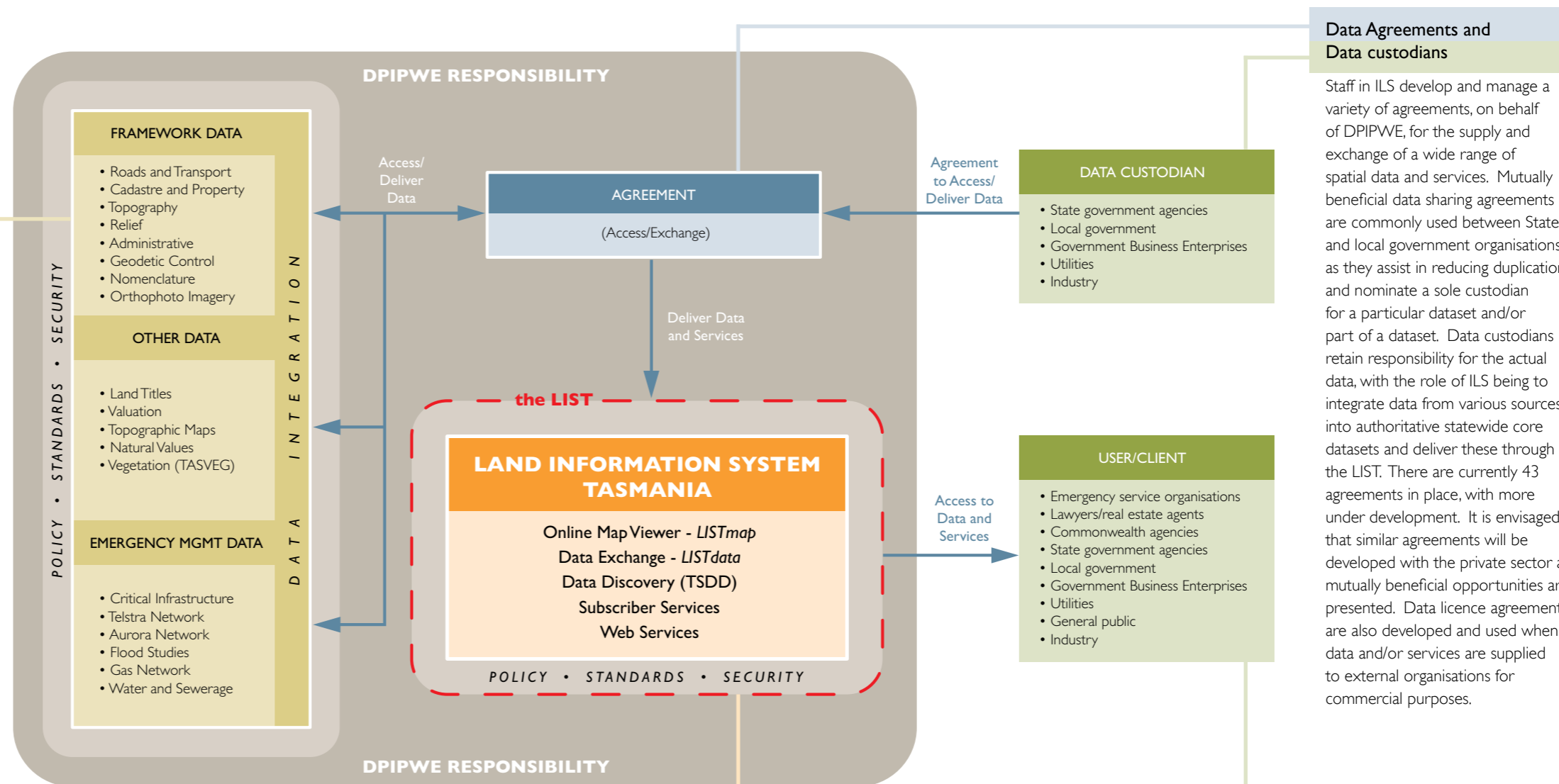
A **Property Sales Service** has also been developed to provide property sales information to private sector organisations via web services.

### Online Map Viewer - LISTmap

LISTmap provides viewing access to over 300 layers of spatial data, freely available to all users (including the general public), plus an additional 353 layers of secured data that are only accessible to approved users in organisations such as Tasmania Police and Tasmania Fire Service. The use of LISTmap is increasing steadily. The current average of 590,000 requests for maps and information every month demonstrates the phenomenal growth in the use of spatial information within the wider community.

### Subscriber Services

The LIST provides data and services to subscription clients through a secure login/password protected environment. There are currently over 2,400 subscription clients, with 52% of these emanating from within government and the remaining 48% from the private sector. LIST subscribers are able to access a diverse range of services and property information, including title records, sales and valuation details, the Tasmanian Online Land Dealings system (TOLD), Council and Water Corporation Certificates, Stamp Duty Reports, and Title Document Dispatch Enquiries.



### Data Agreements and Data custodians

Staff in ILS develop and manage a variety of agreements, on behalf of DPIPWE, for the supply and exchange of a wide range of spatial data and services. Mutually beneficial data sharing agreements are commonly used between State and local government organisations, as they assist in reducing duplication and nominate a sole custodian for a particular dataset and/or part of a dataset. Data custodians retain responsibility for the actual data, with the role of ILS being to integrate data from various sources into authoritative statewide core datasets and deliver these through the LIST. There are currently 43 agreements in place, with more under development. It is envisaged that similar agreements will be developed with the private sector as mutually beneficial opportunities are presented. Data licence agreements are also developed and used when data and/or services are supplied to external organisations for commercial purposes.

# the LIST.

Land Information System Tasmania.

## current and future initiatives

### LIST web services

The LIST team is currently working on new web services to provide clients with more flexibility for accessing spatial data that is currently delivered through the LIST web interface.

**These new web services would enable clients to use GIS software such as ArcGIS or MapInfo to access spatial data without the need to download or store the data in their systems.**

These services would also provide potential opportunities for business-to-business interactions between internal LIST systems and external business systems, providing spatial capabilities to client systems without the need for the client to purchase expensive GIS server applications and develop large data holdings.

Services include a secured Web Map Server (WMS) and a Web Feature Server (WFS).

Web services use common, open source web standards such as Hypertext Transfer Protocol (HTTP) and Extensible Markup Language (XML).

WMS provides access to data in the form of customisable map images, whereas WFS provides direct access to the spatial data in Geography Markup Language (GML), which is a form of XML. Spatial and attribute queries can be made to better refine the data returned to the client.

More information on web services can be found on the Open Geospatial Consortium website ([www.opengeospatial.org](http://www.opengeospatial.org)) or by contacting Client Services, email [geodata.clientservices@dipwve.tas.gov.au](mailto:geodata.clientservices@dipwve.tas.gov.au)

The LIST is also undergoing improvements to deliver titles, title plans, survey notes and valuation documents in PDF format. These documents are currently provided in either HTML or GIF format, which means that clients must open and print each individual page separately. The change to PDF will allow all document pages to be combined into a single PDF. PDF will also provide the highest possible resolution and allow clients to enlarge sections of the document if required.

### The future for LIST

Access to timely and accurate spatial information is critical to effective evidence-based decision-making.

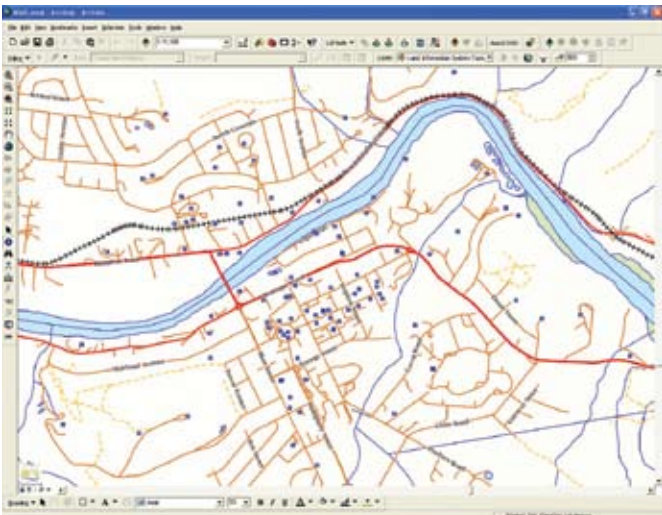
In the future, DPIPWE hopes to implement

a number of key initiatives that will facilitate more efficient access to spatial information.

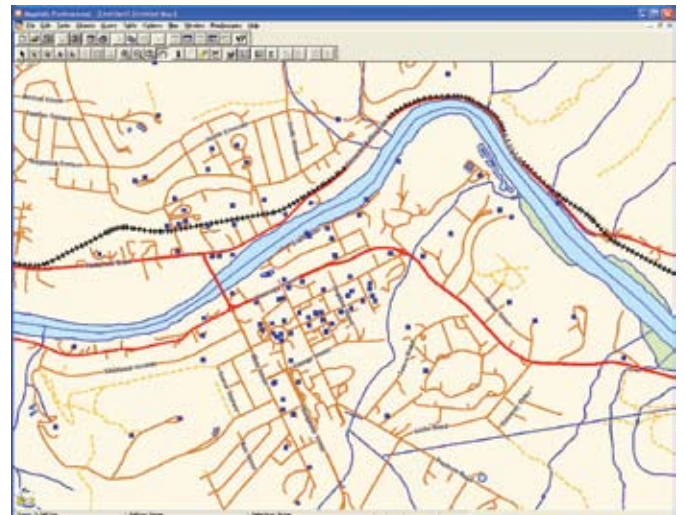
**An economic study on the value of spatial information conducted by ACIL Tasman in 2008 conservatively estimated that the use of spatial information contributed a net gain of \$6.4-\$12.6 billion in Gross Domestic Product (GDP) for Australia through enhanced productivity. For Tasmania, this represents a net gain of \$130-\$250 million to the State's GDP.**

DPIPWE is working with the Department of Premier and Cabinet (DPAC) to develop a business case for further State Government investment in spatial information and the underpinning spatial data infrastructure in Tasmania.

*Stuart Fletcher  
Manager - Spatial Operations, ILS*



WMS accessed via ArcGIS



WMS accessed via MapInfo

# Tasmania leads the way

*in valuation technology*

## Government valuation

professionals in Tasmania are using innovative new software developed in-house that enables them to update property valuation data in the field. These tools were previously restricted to an office environment.

VG Maps was developed and implemented by Tasmania's Office of the Valuer-General (OVG) over the past eighteen months. Originally designed as a field-based software solution, the application has now become the standard for use in 'the Office' as well as in the field.

**One of the key success factors of VGMaps is that it is a mobile, portable system.**

Another is that it is designed for valuers and non-technical people, not GIS professionals.

According to Valuer-General, Warrick Coverdale, "VGMaps has enormous benefits for the OVG, and vast potential for other valuation organisations and Government agencies."

"VGMaps has become invaluable to valuers and property people within our organisation. The customisation of MapInfo for the new software makes it much easier and faster to use, and the task of checking and processing valuations in an electronic environment is far more efficient than previous paper based systems," adds Coverdale.

VGMaps is a blending of GIS applications and traditional forms-based database applications with simple-to-use GIS and mapping tools, with inspired functionality that allows people to take GIS and databases out of the office.

Data and valuation assessments can be verified and entered in the field using a computer notebook, TabletPC or Personal Digital Assistant (PDA). When used in conjunction with a hand-held GPS unit, existing location-based information can



Frank Sablowski (Property Valuer) updating valuation data on a laptop using VGMaps.

also be verified on site. Master database systems are automatically updated with new field data when the valuers return to the Office.

Warrick Coverdale believes VGMaps has revolutionised the way Tasmanian Government valuers work.

"Prior to VGMaps, we predominantly used paper-based systems in the analysis and visualisation of valuation data. With the use of thematic displays, comprehensive labelling, review and analytical tools, we are better able to visualise and analyse the evidence of the property market," he said.

"Our GIS specialist, Jan Simpson, has worked closely with staff in developing tools that ideally suit the work we undertake."

"Whether it's an entire municipal area, a client valuation or supplementary valuation, we are now equipped with 'best practice' tools and techniques, which provide unprecedented opportunity. We are increasing our capabilities, our data quality and improving the work environment."

"I believe Tasmania is leading the revolution

in technology change for valuation systems with our VGMaps suite. We have regular dialogue with statutory valuation organisations in all other Australian jurisdictions, and their interest in VGMaps confirms that we are building and using best practice solutions for valuations."

Pitney Bowes Business Insight recently posted a case study of the VGMaps valuation tool on its website, highlighting the features and benefits of this innovative software: <http://www.pbinsight.com.au/resources/case-studies/details/office-of-the-valuer-general>.

The Office of the Valuer-General is acutely aware of frenetic changes in mobile technology, geo-everything and smart objects, and is committed to the use of current and emerging technologies in an ongoing program of innovative solutions for valuation and land management in Tasmania.

Warwick Coverdale  
Valuer General



# New positioning technology

is CORS for celebration

## Tasmania's progressive agricultural industry

sector is looking forward to the future with renewed optimism following the Tasmanian Government's 2010-2011 budget commitment to \$2 million in funding for the Innovative Farming Practices Initiative, part of *Tasmania's Innovation Strategy*, released in August 2010.

The objective of the initiative is to encourage the adoption of innovative and precision farming practices, including what is known as controlled traffic farming.

Controlled traffic farming is a system that confines agricultural machinery to permanent lanes to reduce soil damage caused by heavy or repeated traffic. This damage and its negative consequences are well documented and include increased fuel use, poor seedbeds, reduced crop yields and poor soil function in terms of water infiltration, drainage and greenhouse gas mitigation.

Present farming systems allow machines to run at random over the land, compacting around 75% of the area within one season and the whole area by the second season. And soils don't recover quickly, they take many years.

## One of the key enablers for the widespread uptake of controlled traffic farming is to establish a network of permanent Continuously Operating Reference Stations – or CORS.

CORS are an integral component of conventional, real time precision positioning services, capable of achieving horizontal accuracies of around 2cm through the



The principle of controlled traffic farming is as simple as 'plants grow better in soft soil, wheels run better on roads'. Photo by John McPhee.

use of Global Navigation Satellite Systems (GNSS)\*. For this to happen, at least two receivers must be used – one on a 'known point' or reference station. This calculates position information and transmits it to a second 'roving' unit. These units are incorporated in agricultural machinery to calculate and control their position.

The establishment of a statewide CORS network as part of the Innovative Farming Practices Initiative will move access to precision farming practices beyond the innovators and within the reach of mainstream Tasmanian farmers.

Dr Don Yule, CEO of Controlled Traffic Farming Solutions, has undertaken research



GNSS guided earthmoving equipment used in construction of the Kingston Bypass. >>>

\*GNSS is the generic term for satellite navigation systems which includes the original American Global Positioning System (GPS). Other systems, in development or proposed, include the Russian GLONASS, European Galileo and Chinese Compass-Beidou 2.

GNSS guided excavator at work on the Kingston Bypass. GNSS equipment provides excavator operators with real time depth, slope and reach information, as well as bucket orientation and position relative to the desired grade or profile. By simply entering the desired depth and slope, the equipment guides the operator in digging fixed depth jobs, complex trenching and layering and creating embankments. >>>

into soil science and farming systems in Australia for over 35 years. He states that controlled traffic farming "offers the largest potential benefit to cropping agriculture of any technology advance".

DrYule quotes research involving 16 farmers on 4,250 hectares on the Darling Downs in 2008. The study revealed that the adoption of controlled traffic farming in conjunction with precision agriculture techniques resulted in:

- reduction in soil erosion of 195,000 tonnes/year (-90%)
- reduction in diesel use from 338,000 to 130,000 litres/year (-60%)
- reduction in the amount of nitrogen leaving farms from 119 to 9 tonnes (-90%)
- reduction in carbon dioxide loss from the farms from 1,199 to 373 tonnes (-70%)
- reduction in labour from 4,590 to 1,744 hours (-60%)
- increase in annual income from \$1,652,500 to \$2,386,230 (+44%)
- increase in gross margin from \$547,279 to \$918,366 (+68%)

The establishment of a statewide CORS network is not just cause for celebration in the rural sector. The inclusion of this initiative in the State Government's comprehensive *Innovation Strategy Initiative* is recognition of the potential and widespread benefits that CORS infrastructure will deliver to all sectors of the Tasmanian community.

Precise GNSS machine guidance is already in use on major civil construction projects such as the Kingston Bypass, Brighton Bypass and Brighton Rail Hub. It's no wonder, since a recent study of the Port of Brisbane Motorway project revealed the use of machine guidance led to a 30% time reduction in the civil works and 40% reduction in lost time injuries. An established CORS network is seen as a critical factor in encouraging the use of this technology as the norm on all construction projects – large and small.



In open cut mining, precise GNSS guidance is now used for a variety of tasks, including surveying, grading, dozing, drilling, collision avoidance and fleet management.

### Productivity increases as much as 30% have been observed by adopting precise positioning technology.

Among all these hugely impressive figures, there is a tendency to overlook the more traditional uses of CORS and precise positioning in areas such as utilities management, land surveying, building construction and emergency response, as well as research into climate change and sea level rise.

The strategic importance of CORS to Tasmania's future is clear. CORS not only facilitate delivery of a precise positioning service, they also define the geodetic reference framework that underpins the management of 'location' in decision making processes.

All these factors are being considered by the DPIWWE project team implementing the initiative. Updates will be available in future issues of this newsletter.

For more information, email [Scott.Strong@dpiwwe.tas.gov.au](mailto:Scott.Strong@dpiwwe.tas.gov.au).

Scott Strong  
Program Manager - Geodetic System



## Another award for TASMAM

The Tasmanian Government's online map shop was recently awarded the 2010 silver medal for *Best Mapping Related Website* at an International Map Traders Association conference in Melbourne.

The **TASMAM eShop** provides convenient online access for customers, resellers and distributors to browse and purchase maps, historic charts, aerial photographs and a wide range of other mapping related products.

More information can be found on the website [www.tasmap.tas.gov.au](http://www.tasmap.tas.gov.au).

## Statutory Valuation Contracts 2010-2011

The revaluation of ten municipal areas is currently underway. Two contractors have been appointed by the Office of the Valuer-General to provide statutory valuation services in the following municipalities:

King Island, Waratah-Wynyard, Sorell, Tasman, Glenorchy, Derwent Valley – Valuelu Pty Ltd

Flinders Island, Launceston, Dorset, Glamorgan-Spring Bay – LG Valuation Services Pty Ltd

Revaluations will be released in 2011.

## ESRI Enterprise License Agreement

DPIPWE recently negotiated a 3-year ESRI Enterprise Licence that includes unlimited access to all ESRI core mapping and analysis software, including the flagship product ArcInfo. This results in a significantly improved work platform and greater work practice efficiencies for DPIPWE staff.

## New Water Districts dataset

An important new spatial dataset has just been released. The **Water Districts** dataset shows the boundaries of water districts created under the *Water Management Act 1999*. This Act provides for the use and management of Tasmania's freshwater resources. Categories within the dataset include Irrigation Districts, Drainage Districts and Riverworks Districts.

This dataset can be accessed either as a layer on **LISTmap** or in GIS format through Client Services, email [geodata.clientservices@dPIPWE.tas.gov.au](mailto:geodata.clientservices@dPIPWE.tas.gov.au).

## SPOT 2.5 metre colour imagery for Government

Access to statewide coverage of SPOT 2.5 metre resolution, ortho-rectified satellite imagery has been negotiated with Geoscience Australia for use by the Tasmanian Government, Government Business Enterprises and local government. The imagery covers the entire State including the major islands. Information and Land Services Division (ILS) is responsible for distribution of the imagery to eligible organisations within Tasmania.

Contact Client Services for more information [geodata.clientservices@dPIPWE.tas.gov.au](mailto:geodata.clientservices@dPIPWE.tas.gov.au).

## TASMAM Visitors Map - 2010 Edition

The 2010 edition of the most comprehensive Tourist Map of Tasmania is now available at the TASMAM website and all other TASMAM outlets throughout Tasmania.

Above: detail of the new Tasman National Park Map

## New TASMAM products

Recently released map products are now available for purchase online at [www.tasmap.tas.gov.au](http://www.tasmap.tas.gov.au) or from Service Tasmania shops, TASMAM resellers and agents:

### 1:25 000 Topographic/Cadastral Maps

- Castra
- Devonport
- Graham
- Harford
- Razorback
- Wynyard
- Ouse
- Luina
- Port Sorell
- Arrowsmith
- Livingston



### 1:100 000 Topographic Maps

- Forth



### National Park and Day Walk Maps

- Tasman National Park
- Highland Lakes
- Walls of Jerusalem National Park



More details about recent releases can be found at [www.tasmap.tas.gov.au](http://www.tasmap.tas.gov.au)

Now available online at [www.tasmap.tas.gov.au](http://www.tasmap.tas.gov.au)

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