

EISSI

20
22

NSW EXCELLENCE IN SURVEYING
& SPATIAL INFORMATION AWARDS

SHOWCASE BOOK



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We extend our thanks to all the Award Sponsors for their generous support, and to the Organising Committee and Judging Panel for their work in making this important event for the industry possible.

Judging Panel

The Awards were judged by Vicki Tester, David Job, William Hamer, Robert Van der Zypen, Michael Lamont and Paul Rowlandson.

Organising Committee

Vicki Tester (Convenor), Craig Turner, William Hamer, Karl Robertson, Joseph Monardo, Aaron Fleury, Amy Lowe and Michelle Blicavs.

HONOURING OUR PROFESSION

The Institution of Surveyors NSW (ISNSW) and the Association of Consulting Surveyors NSW (ACS NSW) are once again pleased to recognise the amazing achievements in surveying and spatial information through the NSW Excellence in Surveying & Spatial Information Awards (EISSI) for 2022.

The rapid rate of development in infrastructure and property in NSW over the past twelve months is reflected in the number and quality of entries received this year in the following categories:

- Infrastructure & Construction
- Extra Dimension & Innovation
- Community & People
- Rural Cadastral Surveying & Land Titling
- Urban Cadastral Surveying & Land Titling
- Surveying Project Management

Every year it is an honour to announce the highly sought-after Sir Thomas Mitchell Award for best overall project. Industry recognition is a key part of business development and encourages ongoing excellence in our profession.

The promotion of the next generation of students is more important than ever, highlighted by the future shortages which the industry anticipated over the short to medium term. We are pleased to recognise outstanding students through University Student Project of the Year and Grant Kilpatrick TAFE Student of the Year.

The awards embrace the many talented members of our industry and recognise outstanding achievement. We extend congratulations to the:

- Young Surveyor of the Year
- Professional Surveyor of the Year
- Professional Organisation of the Year



William Hamer
ISNSW President



Andrew Halmarick
ACS NSW President



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Lake Victoria and Frenchman's Creek POSI

Entrants: Northern Land Solutions - Wesley Pye, Angus McKenzie, Richard Wardle, Grant Kaylock and Carol Fitzpatrick

Northern Land Solutions (NLS) have been undertaking Rural Cadastral Survey work abutting Lake Victoria and Frenchman's Creek in remote NSW since 2019 for two clients, NSW DPIE and SA Water. Such works have involved Rural Subdivision, Conservation and Pipeline Easements and ultimately re-establishment of all of Lake Victoria, Frenchman's Creek and Rufus River boundaries; culminating into a Plan of Survey Information to be submitted to NSW LRS.

NLS were initially engaged by NSW DPIE to undertake subdivision and easement creation of historically significant Nulla and Noola Station, which was established in the 1890's as an 85,000-hectare Western Lands grazing property north of Lake Victoria. NLS were engaged to re-arrange title configurations such that the highly culturally significant frontage to Lake Victoria was divested from the overall farming activity, allowing the Department to sell such farming land back to graziers whilst retaining the Lake Victoria frontage under Department control. The total Lake Victoria frontage land excised from the station was 6050.2 ha, with the remaining 78,950 ha sold back to agriculture. Approximately 80km of pipeline, conservation and access easements were also created to allow NSW DPIE to protect and manage sites of cultural and conservational significance.

Following the registration of subdivision plans, NLS were then engaged by SA Water to re-establish and produce POSI plans along with GIS shapefiles for all 131km of their boundaries of Lake Victoria, Frenchman's Creek and Rufus River. Historically there had long been disputes about confirmed boundaries previously created between 1900 and 1910 via survey DP 191790. Furthermore, SA Water had a need to determine boundary positions to identify their responsibilities for extremely culturally significant sites throughout their land tenure. Most of the boundaries surveyed were extremely remote and inaccessible and could only be accessed by Quad-ATV. Many tree markings, original pegs, bottles and reference marks were found as part of this work. Boundaries were marked at corners and junctions along with 200m interval stakes.

Within all projects for NSW DPIE or SA Water, the extremely remote nature of boundary surveying was highly challenging. Literally hundreds of kilometres of boundary had to be surveyed and traversed across highly variable surfaces and landforms ranging from sand dunes, lakebeds, salt plains, erosion ruts, gypsum outcrops, river crevasses, creek depressions, lignum infestations and dense riverine vegetation. Excellent project planning was essential along with a rigorous Static Control Survey given the unforgiving access.

The majority of boundary sections were significantly cultural, with several hundred registered Aboriginal places including shell middens, artefact scatters, mounds, scarred trees and burials. NLS were required to carefully navigate these sites to ensure no harm, as required by SA Water's overarching AHIP. Knowing the locations of these sites relative to boundary was essential, hence NLS developed a customised GIS system to help locate sites in real time.

The team of NLS worked diligently and respectfully in undertaking their duties, and through excellent communication and expert explanation with clients and other stake holders, valuable land titling and cadastral definition works were achieved.





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HIGHLY COMMENDED

RURAL CADASTRAL SURVEYING & LAND TITLING

Lake Victoria and
Frenchman's Creek POSI

Wesley Pye, Angus McKenzie, Richard Wardle,
Grant Kaylock and Carol Fitzpatrick
Northern Land Solutions



William Hamer
ISNSW President



Consulting
Surveyors
NSW

Andrew Halmarick
ACS NSW President