



New Zealand
Institute of Surveyors
Te Rōpū Kairūri o Aotearoa

2016 YEAR BOOK

*Incorporating the
128th Annual Report and
Audited Accounts of
New Zealand
Institute of Surveyors*



SECRETARIAT

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President's Report 2015–2016



Kia ora and welcome to the 128th Annual General meeting of the NZIS.

It is my pleasure to introduce this annual report outlining the achievements of your Institute over the past year.

When I took on the role of President last year my personal objective was to try to ensure that "The Way Forward" mandate continued

to positively map the change process for the Institute.

This process was initiated by Council during the Presidency of Mark Dyer in 2009 and has continued to be driven by subsequent Council's during the terms of past Presidents, Andrew Stirling and Jeff Needham. The 128th AGM represents seven years of work to change the structure of the Institute to a more robust model to support the members, to add value to the membership by catering for the needs of the members and ultimately to grow a diverse membership base to ensure that the NZIS is a sustainable organisation in the future.

We have a representative Council comprising 12 members that is responsible for the Governance of NZIS including the approval of the Strategic Plan, however the key role of Council is to represent the views of the membership. Council provides the connection to the members through membership representation and connections to Divisions, Streams, Special Interest Groups (SIGs) and Branches and provides the essential communication link to the members.

We have a "working" Board chaired by Andrew Stirling, comprised of four members and two independents, that is responsible for the delivery of the outcomes identified in the Strategic Plan.

We have a CEO, Hadyn Smith and National Office staff comprising 5.3 FTE employed by the Board who are responsible for the delivery of services to the membership.

Our Divisions, Consulting Professionals (CSNZ), Young Professionals (YPG), Tertiary, Women in Spatial (WIS) and Technicians, are getting established and continue to need the support of the

membership. CSNZ continues to deliver valuable support to the business member organisations. WIS have provided a number of opportunities in some centres to bring our women in spatial together and the Young Professionals are very active on both national and international levels and did an amazing job with Young Surveyors National at the FIG working week held in Christchurch in May.

All professional streams; Land Development and Urban Design, Cadastral, Positioning and Measurement, Engineering Surveying, Hydrography and Spatial have mostly completed their Terms of Reference and many including Cadastral and Hydrography are beginning to function well.

Special Interest Groups including the Young Surveyors' Group, Urban Design and Sustainability Working Group, Cadastral Commission, Local Authority Surveyors' Group and Otago University Survey Students Association continue to function as the need arises however as with Divisions and Streams, none can function without input from the members and I would encourage you all to take the opportunity to align yourselves with your areas of interest and to contribute wherever possible.

Branches are our most important connection to the members. Active Branches provide the opportunity for members to network and most importantly to contribute and to provide much needed feedback to Council on the affairs of NZIS.

The Strategic Plan 2015–2020 is the guiding document for Council in providing governance and direction to the Board. The NZIS Business Plan 2016/2017 is complete and aligns with the Strategic Plan in that the focus is on our vision and key objectives as well as providing for business as usual. The top four items being:

1. Review the NZIS Continuing Professional Development (CPD) structure and implement findings
2. Grow membership and our membership potential
3. Implement the certification review for streams that have been identified as ready by June 2017
4. Implement a sustainable stakeholder engagement strategy

The provision of relevant CPD opportunities to the membership remains a constant concern and I encourage you to respond to National Office surveys requesting feedback on the provision of CPD opportunities. CPD will be required to underpin any Certification model and is essential to the ongoing professional development of our members.

The growth of membership was a key focus of "The Way Forward" and is fundamental to the ongoing sustainability of NZIS as an organisation. We must continue to strive to deliver value to our members and to diversify our membership to embrace the spatial community. Surveyors are pioneers in the capture and presentation of spatial data and we must continue to stay abreast of new technologies including Unmanned Aerial Vehicles and Building Information Management and to stay connected by providing the opportunity for spatial professionals to join us.

The development of a certification process to recognise Registered Professional status has been a large piece of work for Council and Board that has been developing over many years. Andrew Stirling has been the driving force behind the development of a Certification model and I am pleased to acknowledge Andrew's efforts in pulling this together. We are proposing to consult further with the membership and Certification will be a primary focus of the Stakeholder Workshop that will precede the AGM.

Advocacy is a key performance indicator (KPI) for Council and Board. NZIS has been acknowledged as a source of knowledge in a number of key areas over the past twelve months including in our submissions to the Greater Christchurch Regeneration Bill (now Act) and the Canterbury Property Boundaries and Related Matters Bill (now Act). The Board has been involved in regular meetings with the LINZ leadership team including the Surveyor-General, Mark Dyer, and we have met formally on two occasions with the Minister for Land Information the Hon. Louise Upston.

We are actively being consulted by LINZ on the renewal of LandonLine (ASaTS). We currently have eight representative members on the ASaTS Cadastral Surveyors Working Group and we are advertising for a member to represent NZIS in the ASaTS oversight process. This member will be employed by NZIS with funding provided by LINZ.

We have also been actively promoting NZIS internationally and successfully hosted a FIG Working Week in Christchurch in May this year. This event was attended by in excess of 800 delegates from around the world and provided a unique opportunity to showcase New Zealand and the expertise and professionalism of our organisation. I would personally like to record my thanks to Simon Ironside and his Local Organising Committee for their huge effort over a period of five years to put on such a successful event amidst the challenging environment of a 'city in recovery' mode. FIG Council have acknowledged the success of the event and noted that we have significantly raised the bar for future Working Weeks to be held around the world.

I would like to thank the Council and Board for their contributions to NZIS affairs over the past twelve months. Councillors and Board members give up their time voluntarily to work for the benefit of NZIS and its members. This includes our two independent Board members, Lynda James and Dr Bruce Anderson. Independent Board members bring a much needed skill set to the table

that helps provide clarity particularly with respect to issues that may be too close to those of us who work in the industry.

Lynda James has recently retired from the Board due to a change in work commitments. I wish to acknowledge Lynda's contributions to the functions of the Board and to the Audit and Risk Committee and wish her well with her new job opportunity.

I am pleased to announce the appointment of Thomas Gibbons to the Board. Thomas is a solicitor from Hamilton and brings a broad range of governance experiences relative to our industry in a range of, for profit, not for profit, industry and professional roles.

I am also pleased to announce the appointment of Syd Beguely to the Audit and Risk Committee. Syd is an accountant from Auckland who has worked as a Director and in senior management roles with a number of Boards in both the commercial and not for profit sectors. Welcome to you both and thank you in anticipation of your contributions.

Many thanks to Hadyn and his National Office team including Relationship Manager – Lauren McGee, Communications and Marketing Manager – Jan Lawrence, Knowledge Manager – Vanessa Deleat, Event and Office Administration – Tara Govind, *Surveying+Spatial* editor – Diane Moriarty, and Accounts Coordinator Carlos Castro. Also thanks to Jenna Chapman who left us earlier in the year to take up a new job opportunity.

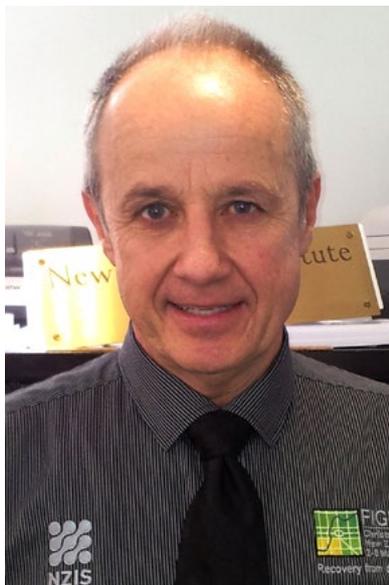
Thanks also to the many volunteers working in Divisions, Streams, SIGs and Branches who give up their time for the benefit of the Institute. We cannot function without your support.

Ngā Mihi



Mark Allan, President

Board Chairman's Report 2015–2016



*Manaaki whenua,
manaaki tangata,
haere whakamua*

*Care for the land,
Care for the people,
Go forward.*
(Maori Proverb)

NZIS enjoyed some significant one-off successes this year with the completion of long running interests in the FIG WW and Canterbury legislation and we made sound progress in a lot of other spheres. NZIS continues to

attract new members and the Board is confident that a number of initiatives and developments that are coming on stream will enhance the value proposition and attract even more members.

Our commercial partners are confident in our relationship with them and they continue to invest in NZIS. Commercial partnerships are an important feature of how we fund and operate NZIS today and I ask members to show your support for the organisations that support NZIS.

We continue to grow and diversify the income available to NZIS to achieve its objectives, without relying on subscription increases. NZIS finances are in a stable position with a healthy \$65k profit recorded for the year and net assets standing at \$421k.

Externally, recognition of the role of NZIS and the value it can provide to our sector of the economy and to our members is improving. There is a growing list of relationships that NZIS is able to maintain and progress. Within the organisation I see growing understanding of our structure and of the job that the component parts have to do. Streams and divisions are taking up the challenge.

Members are getting involved and doing excellent work on committees and working groups right across the organisation, continuing the excellent traditions of volunteerism within NZIS.

The Board provides capable governance and oversight of NZIS activity. It meets six times a year and conducts other business by email or teleconference. The Board members are Simon Jellie

(Stream Representative), Rebecca Strang and Daniel Williams (Council Representatives), Andrew Stirling (Division Representative) and Dr Bruce Anderson and Lynda James (Independents). President Mark Allan attends meetings ex officio.

The Board takes a proactive approach to managing risks to the organisation and in cooperation with the CEO has been very effective in that area.

CPD is critical to NZIS in terms of providing better services to members and we need to ensure that it is fit for purpose and financially stable. The Board has initiated a health check on how we are operating in the CPD space. A consultant will review our programmes and a Working Group will progress the ideas and make any appropriate recommendations to the Board.

The new certification model aimed at broadening and improving the value proposition for NZIS has been developed and consultation with members is now underway. Roll out will occur next year.

Health and safety was given an appropriately high level of priority this year and the Board will continue to support action and awareness raising in this area.

The Board has initiated the development of a stakeholder engagement strategy that looks outwards at the environment that NZIS operates in to help prioritise who NZIS engages with. Equally the Board is concerned about engagement with members and to ensure that there is a broad consensus on what the NZIS vision and advocacy message is. A forward thinking innovative profession needs systems that stimulate the flow of ideas from the bottom up and the top down. Stimulation is the key.

The Board and CSNZ Management Committee have recently committed to working more closely together and to hold regular meetings. Excellent progress has been achieved already.

The establishment of the Kairuri Trust, a charitable trust with an independent structure and rules is underway. We hope to encourage members to engage in philanthropy through the trust which will have the potential to progress a range of strategic objectives:

- grow diversity in the surveying and spatial profession.
- win the war for talent for our profession.
- develop strong leadership for the profession.
- raise the awareness of the value of the work that surveying and spatial professionals undertake.

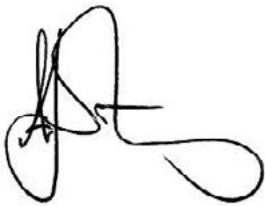
These objectives can be achieved by investing in:

- education through bursaries and scholarships
- programmes to raise student awareness of career opportunities and the use of new technology in surveying and spatial
- leadership training programmes
- awards
- visiting speakers.

A significant number of New Zealanders are thinking about legacy issues and philanthropy. Kairuri Trust will be an opportunity for members and others to make a positive difference and express their pride and support for their profession.

I congratulate Thomas Gibbons from Hamilton on his recent appointment as an independent Board member and I thank all of the Board members for their valuable contributions to positive change at NZIS. President Mark Allan has done a great job as NZIS leader this year and Hadyn and his team have put in another year of outstanding commitment.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Andrew Stirling', with a stylized flourish at the end.

Andrew Stirling, Board Chairman

www.surveyors.org.nz



As a surveyor, the Canterbury earthquakes changed my life forever and I think working during them and in their aftermath is one of my career highlights. Some of the other highlights that come to mind include working in the Sahara Desert, in Iran and Jordan and Nigeria, working on big North Sea oil and gas projects and lodging my first plan as Registered Surveyor!

My name is Simon Ironside, I'm a Registered Professional Surveyor, Licenced Cadastral Surveyor and Level 1 certified Hydrographic Surveyor. I am an Associate with Eliot Sinclair & Partners Ltd in Christchurch and have been with the firm for thirteen years.

Eliot Sinclair is a multi-disciplinary company employing about 100 staff. The company was established by Mr Eliot Sinclair in 1932 and is now a leading South Island consultancy providing a wide range of services within three principal business arms of Engineering, Planning and Surveying.

As a senior manager, I deal with a wide variety of surveying and land development projects from inception to completion. I also look after our Rangiora office. The Canterbury Earthquakes Sequence of 2010–2011 changed everyone's life forever (at least those who experienced it) and, although stressful, was a rewarding time to be a surveyor. Traditional surveying concepts were turned on their heads; traditional areas of work dried up virtually overnight and were replaced by entirely new work streams such as initial disaster recovery, multi-storey building verticality determination, surveying in the 'porridge', trying to determine property boundaries and being closely involved in the Christchurch rebuild.

Looking back, my career began in childhood. My father was a Registered Surveyor and although he moved into planning, he would still undertake the odd survey at the weekends. I remember holding the end of a tape, helping him dig holes

and cutting back gorse and broom with a slasher to find old marks. I wasn't particularly fond of maths but liked the idea of working both inside and outside and being part of a profession with a proud history.

My early teens were spent overseas with my family, first in the United States (Columbia, South Carolina) and then England (Guildford, Surrey). Finishing high school in the States, I got a job as a chainman with an engineering firm in Columbia that undertook land development work, similar to New Zealand. This involved cutting a lot of boundary lines through scrub and gradually learning surveying principles. I became adept at looking after the 100-foot steel bands we used, ensuring they didn't get broken and were wound up properly at the end of a day's work. I continued my surveying career in England with a firm in West Byfleet, Surrey. Unlike what I had experienced in Columbia, surveying in England meant travelling away from home. Consequently, I travelled

all over the United Kingdom and worked in Libya, Jordan and Iran several times as well. I seemed to spend winters in the north of Scotland and summers in the Sahara Desert!

After a while I got sick of holding the staff or the end of the tape and decided to do something about it. As I had graduated from an American high school, I was ineligible for entry to an English university so attended the North East

London Polytechnic and obtained a Higher Diploma in Land Surveying – returning to land surveying after I finished my studies. This was not for long – I soon became restless. The North Sea oil boom was underway and I saw friends and work colleagues venturing into this brave new world. I was intrigued; successfully applied to a firm in Aberdeen, Scotland and so began a ten-year period working as a hydrographic surveyor in the North Sea oil & gas industry. I worked in UK waters and in a number of other countries undertaking rig moves, pipe-lay operations, working on large offshore construction projects, undertaking geotechnical surveys and pipeline inspection surveys. Oil and gas was keeping the UK afloat financially in Thatcher's Britain and there was a big push to extract as much of it as possible as quickly as possible. This meant drilling in ever deeper water and it was an exciting time to be involved in the industry as new technologies such as GPS, long and short baseline acoustics, remotely operated vehicles and scanning sonars were introduced or adapted for surveying use. Major advances in echo sounder and sonar technology were made to cope



with the demands for greater accuracy in deep water.

Interesting as the oil industry was, I decided to return home to New Zealand in 1991. I was initially employed by Trimble Navigation in Christchurch in their Hydro software support group. This involved software development and user training and a considerable amount of travel to South East Asia, the United States, Australia, South America and Europe. Although interesting work I felt the need to return to my roots so I enrolled at Survey School in Dunedin in 1995 and completed my BSurv degree in 1996.

I gained my registration while working for the Christchurch City Council, then joined an ex-Trimble colleague at Middleton Williams, an old established Christchurch surveying firm, and joined Eliot Sinclair in 2003.



Libya, June 1975

I believe strongly in the concept of giving something back to the profession and have been heavily involved in the work of the New Zealand Institute of Surveyors (NZIS), the Surveying and Spatial Sciences Institute (SSSI) in Australia and the International Federation of Surveyors (FIG).

My initial contact with the NZIS was being elected to the Canterbury Branch Executive Committee; I then served as Branch Secretary

and was Branch Chair from 2009–2012, during the Canterbury Earthquakes Sequence of 2010–11. Nationally I served on the NZIS Council, chairing the NZIS Public Relations Committee during my time on Council. I was also Chair of the 9th South East Asian Survey Congress Local Organising Committee, which was held in Christchurch in 2007.

I was certified as a Level 1 hydrographic surveyor by the Australasian Hydrographic Surveyors Certification Panel (AHSCP) in 1998 and subsequently served on the Panel from 2001 to 2010. I chaired the SSSI Hydrography Commission from 2010 to 2015 and during that time I served on the SSSI Consultative Council and was a Member of the SSSI Board from 2010–2012.

I am currently Chair of Working Group 4.1 – Standards and Guidelines for Hydrography, one of the FIG Commission 4 (Hydrography) working groups, and have recently finished my duties as Conference Co-Director and Local Organising Committee Chair of the very successful 2016 FIG Working Week that was held in Christchurch in May.

Council Meetings

Council meetings were held: 14 October 2015; 12–13 February 2016.

Council 2015–2016

PRESIDENT

Mark Allan, Christchurch

VICE-PRESIDENT

Rebecca Strang, Auckland

COUNCILLORS

Michael Cutfield (Engineering Stream)
 Matt Ryder (Cadastral Stream)
 Bruce Wallen (Hydrography Stream)
 Phil Cogswell, (Land Development and Urban Stream)
 Guy Panckhurst, Napier (Consulting Surveyors of New Zealand)
 Melissa O'Brien, Christchurch (Young Professionals)
 Rebecca Strang/Elaine McAlister, (Women in Surveying/Spatial)
 Rachelle Winefield, Wellington (Positioning and Measurement Stream)
 Gregory Byrom, Wellington (Spatial Stream)
 Prof. Christina Hulbe, Dunedin (Tertiary)
 Daniel Williams (Elected representative).

Board Meetings

Board meetings were held on the following dates:

2015: 14 August, 14 October

2016: 19 February, 14 April, 2 June.

Board 2015–2016

CHAIR

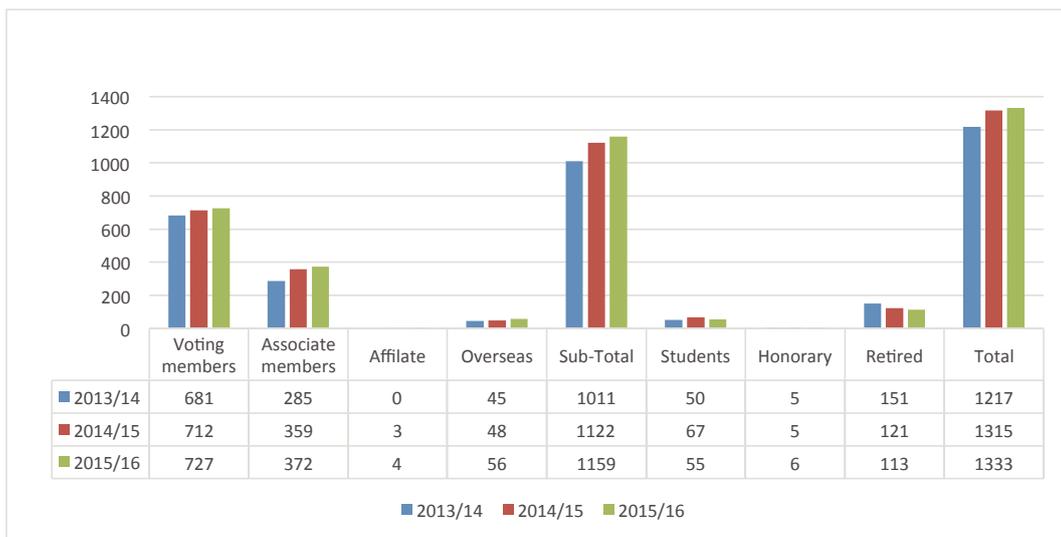
Andrew Stirling, Auckland

BOARD MEMBERS

Daniel Williams, Auckland
 Mark Allan, Christchurch
 Simon Jellie, Wellington
 Lynda James, Wellington (Independent, resigned April 2016)
 Thomas Gibbons, Hamilton (Independent replacement)
 Rebecca Strang, Auckland
 Dr Bruce Anderson, Wellington (Independent)

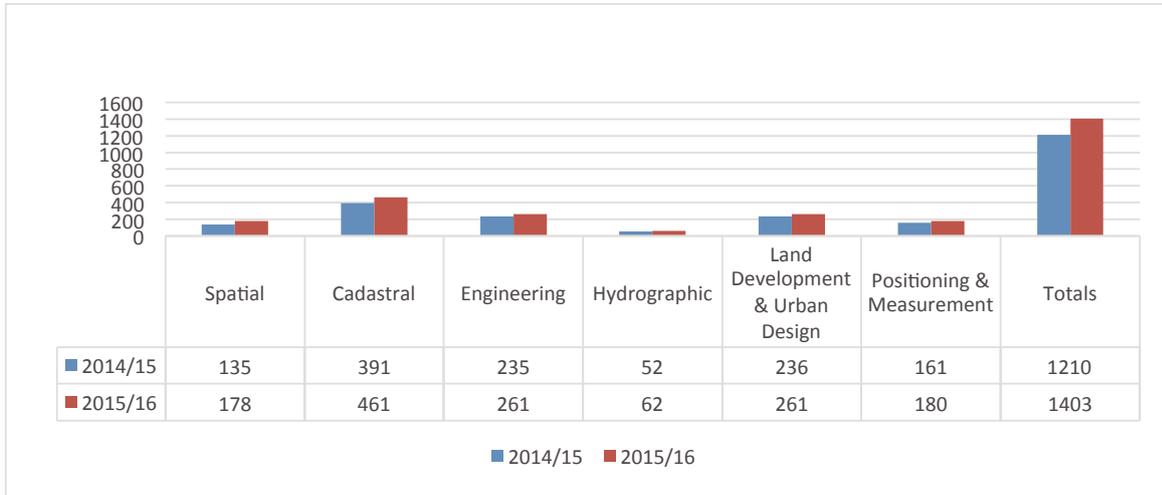
Membership

NZIS MEMBERSHIP AS AT 30 JUNE 2016



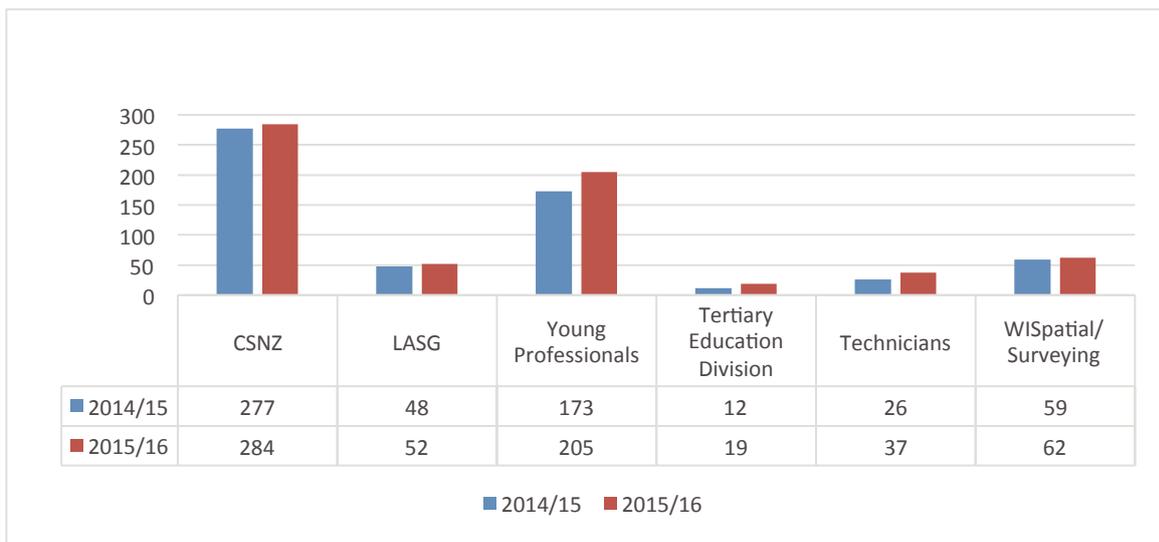
Note – The student numbers reflect the number of student membership applications NZIS received and not the total number of students at Otago Survey School and Unitec as in previous years.

PROFESSIONAL STREAMS SELECTED BY ALL MEMBERS



Note - The total includes retired members and members can belong to multiple streams.

SPECIAL INTEREST GROUPS SELECTED BY ALL MEMBERS



Council and Board Support

Honours, Awards and Prizes

Honours were conferred and prizes awarded by NZIS during the year as follows:

- **Maurice Crompton-Smith Memorial Prize** – Julia Glass, Whanganui and Joshua Columbus, Paraparaumu
- **Percy Dyett Award** – Mark Myall, Christchurch
- **State Sector Award** – Serena Orr, Waikanae
- **Bogle Young Surveyor of the Year** – Melissa O'Brien, Christchurch
- **McRae Award** – Bruce McFadgen, Wellington.

AWARD OF EXCELLENCE

NZIS congratulates all the Excellence Award recipients.

- **Gold Award** – Wood and Partners Consultants Ltd, 3D Laser Scanning of the Triumphal Arch on the Bridge of Remembrance, Christchurch.
- **Silver Award** – Well Connected Alliance (Michael Cutfield), Waterview Tunnel – The Northern Monitoring Zone
- **Merit Award** – Mike Stott, Lysaght Consultants, 850 Cameron Road, Tauranga

CADASTRAL SURVEY AWARD

The inaugural Cadastral Survey of the Year Awards were presented at the 2015 conference dinner.

- **Gold Award** – Rural subdivision survey plan; DP 461455. Tony Nikkel of Nikkel Surveying, Motueka
- **Silver Award** – Envivo Engineering Surveying & Planning, Auckland for SO 460481 – a Strata Parcels – Viaduct Legalisation survey prepared by Brian Curtis.
- **Bronze Award** – Limited Title and Natural Boundary (DP 466668), Tony Nikkel and Stuart Wallace of Nikkel Surveying, Motueka.

Professional Entrance Examinations

The NZIS Admissions Panel comprises

- Ross Thurlow (Land Development Engineering) and Admissions Panel Convenor
- Joanne Johnston (Cadastral Surveying)
- Mark Dyer (Planning, Design and Resource Management)
- Rachelle Winefield (Spatial Measurement)
- Graeme Blick (Geodetic Surveying).

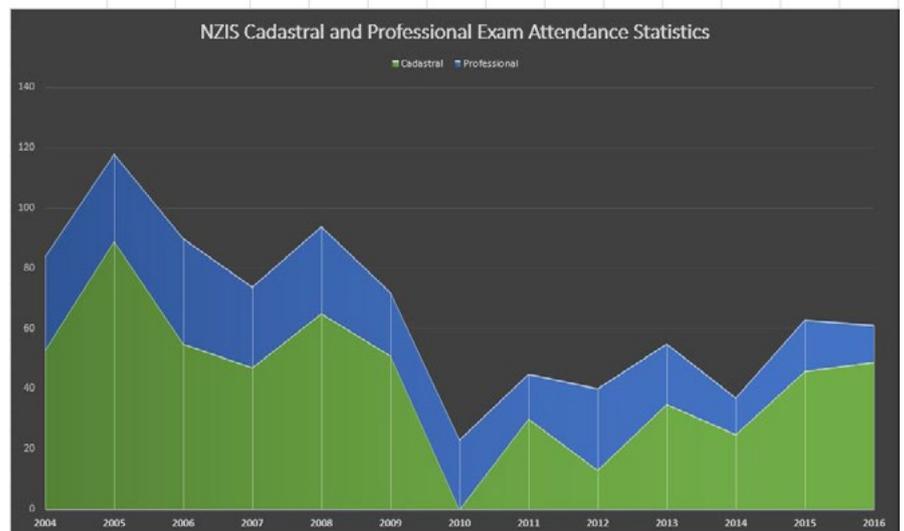
The Panel is responsible for administering the Admissions Policy for professional entry to NZIS which came into force in May 2012.

Professional Entrance Examinations were conducted by the Panel in November 2015 and February 2016. Of the 21 candidates sitting the examinations 20, or 95.23 percent attained a full pass.

The annual Cadastral Law Examination conducted by NZIS was held in February 2016.

Of the 49 candidates sitting the examinations 41, or 83.67 percent attained a full pass.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Cadastral	53	89	55	47	65	51	0	30	13	35	25	46	49
Professional	31	29	35	27	29	21	23	15	27	20	12	17	12



NZIS Cadastral and Professional exam attendance statistics

Chief Executive's Report 2015–2016



It's been a challenging but encouraging year for NZIS with the organisation's structure and resources taking many positive steps towards providing the active support and advocacy members need and expect. We are always meeting challenges, however in virtually every key area, we are also mitigating risks and in many cases exceeding membership expectations. I have an optimistic

view and think our growth, achievements and outcomes in the past year suggests we are starting to gain some serious traction. Actions always speak louder than words so in this report I want to focus on what has been achieved in the relatively short period of time since our rules were changed in 2013.

This year was a serious challenge for NZIS financially with both the NZIS Conference in Wellington and our CPD programme returning a financial loss. Fortunately, our audit and risk systems identified potential issues and we were able to mitigate many of the areas of greatest concern. With a focus on new members, commercial partnerships and the FIG Working Week, we exceeded our budgeted targets for the second year in a row. A direct outcome of that success is the zero increase in fees for 2016/17.

The operational functionality of NZIS Professional Streams is also improving with strong and growing technical input. Improvements in this area in particular will be a key focus for support and growth in the coming year.

The new 2015 Health and Safety Act has also been a big draw on time for members and staff with a focus not only on legal obligations, but also on our vulnerabilities. NZIS produced a members' Health and Safety handbook and also developed a Business Continuance Plan for National Office. This resource will include an appendix on emergency response that when completed later this year, will allow each Branch an ability to influence local emergency plans. We believe this is something that most definitely requires some pre-planning.

The FIG Working Week is already highlighted throughout this report but I think it remains important for me to acknowledge the Canterbury based Local Organising Committee (LOC) under Chair Simon Ironside. The technical programme, networking events, location and obstacles required some innovative problem solving and in spite of the challenges, this team truly delivered on a world stage. When you grow the NZIS brand and make a fiscal surplus, then such an outcome needs to be celebrated and reflected on by us all.

Our relationship with LINZ has evolved substantially at all levels over the last year; complemented by our ability to meet regularly with the Minister for Land Information – the Honourable Louise Upston. With Advanced Survey and Title Services (ASaTS), the Cadastral Survey Act, Surveyor-General Rules – to name a few, as a focus our leadership has been well received. It was great to work with CEO Peter Mersi (now the CEO of Ministry of Transport) and we look forward to growing our input under the acting CEO – Andrew Crisp, and the new CEO when appointed.

Advocacy for our profession has also evolved substantially in the last year with the appointment of Lauren McGee to the position of Relationship Manager. This position has allowed NZIS to focus a staff resource in an area in need of dedicated stakeholder engagement. New legislation (with consequences for our profession), BIM, Canterbury Earthquake items, gender issues and working groups are all now actively resourced and driven through this position.

Jan Lawrence has been doing some great work on developing our website further (due for roll out at the AGM) and a social media presence that will complement our communications. These upgrades have been slow in the making but are designed to support improved membership interactions and offer a greater focus on key issues at all membership levels. Included are things like multiple technical forums, improved membership services and interactive platforms for Streams, Divisions and Special Interest Groups.

The NZIS Conference is always a great opportunity to network and stay in touch and the Wellington team under Matt Carson, can be very proud of the event they put on last October. Well done to the LOC and all those that contributed to that success. The Glenn Stone Gala Awards Dinner was also a great night and a fitting celebration of NZIS excellence.

The second New Zealand Spatial Excellence Awards (NZSEA) held in Wellington in November was another NZIS supported event that achieved great success. SIBA, LINZ and NZIS partnered for this evening presented by MC Mark Sainsbury. We believe NZSEA can expand in its relevance to NZIS and I suggest members look at the website and consider entering next year. Go to: www.nzspatialawards.org.nz

CPD and training is an area of growing focus for our communities with Vanessa Deleat striving to reflect the wants and needs of NZIS business owners and individuals. Our membership use of these services remains unpredictable which makes it difficult to manage costs. As a result of this, the Board is reviewing our current model going forward.

Certification and the RPSurv brand has been a major but complicated vehicle to evolve and is now the top priority focus for NZIS in 2016/17. Our non-completion in this area is frustrating but also reflects the complicated structure that we are attempting to get absolutely right.

We have achieved some big 'positives' from our growing commercial relationships with each of our Diamond partners (refer to the inside back cover) not only supporting our revenue streams, but also readily supplying speakers and expertise for our use.

My thanks to the National Office staff for their loyalty and support. We have faced many challenges in 2015/16 but I'm proud of what we have progressed and achieved.

I must now make special mention of the support given to NZIS from the membership and especially Streams, Branch committees, CSNZ, Young Professionals and WIS who have not only driven issues in their areas of expertise, but also given useful feedback on numerous issues or requests. You have been of enormous value. I speak for all staff when I say we are hugely grateful for the time and effort many have given back to us to ensure we remain 'in tune' with technical subjects, our members and the sector.

Looking forward, the Year Book concludes with our key targets for 2016/17.

In conclusion I must offer special thanks to the NZIS President – Mark Allan and Board Chairman – Andrew Stirling, for enduring such an incredible year round workload. My thanks also to the Council and Board for their support, guidance and insight into our profession. We are always challenged but to have a professional Council and Board setting the vision should be of comfort to everyone.



Hadyn Smith
CEO

Rest in Peace

OBITUARIES

It is with deep regret that we record the deaths of the following members:

Walter Watkins, Queensland, Australia

Ronald Frank Baker, Red Beach

Gordon Noel Elliston, Birkenhead, Auckland

Louis Clements, Pakuranga, Auckland

Frank Easdale, Auckland

Owen Amor, Nelson

Bill Sawers, Palmerston North

Russell W Buchanan, Dunedin

Leon Huia Armstrong, Auckland

Patrick Dagg, Hawkes Bay

Ian Geoffrey McIntyre, Auckland

Report to Business Plan 2015–2016

Commercial Partners

The development of our commercial partners has taken some significant steps forward in 2015/16. This is mainly due to the events NZIS has had a significant presence around. The NZIS Conference in October, New Zealand Spatial Excellence Awards in November and the FIG Working Week in May allowed us to create new relationships and the result has been extremely positive.

The NZIS Diamond Partners are the focus level for our partnership and support structure with AllTerra (Premier NZIS Conference supporter); Glenn Stone Insurance (the Gala Awards); Global Survey (NZIS Conference support); Eighty4 Recruitment (recruitment and HR support); Staples (NZ wide office equipment and support); Accurate Instruments (equipment and training); and THE Marketing Company (marketing assessments and support) – adding value and support for our membership. These relationships are special and it's great to see that many of the enhancements we are seeking are not just financial but also they provide speakers, event support and scholarships that are perhaps not on the regular commercial landscape.

In effect, this family of seven are called 'diamonds' because they support our ability to exposure our members to sector related businesses and more importantly give us an ability to grow and offset our real costs. This group are now the second largest financial contributor to our operational and project related costs. We ask that members support the companies that support us by adding them to the marketing mix when considering any purchases or the need for services.

Some existing partnerships will be developed this year and some new partnerships will appear. 12d will be expanding their existing relationship and our newest partnerships are with Accurate Instruments and clothing supplier, Earth Sea Sky that specialises in high quality garments particularly for outdoor work wear. More details are to come later in 2016.

NZIS gratefully recognises and acknowledges the growing investment and support given by this significant group of companies.

Advocacy and Relationship Management

It has been a big year for advocacy and relationship management. Since the introduction of the Relationship Manager role in October last year, we have really managed to hit the ground running if not for the progress made then certainly for the sheer amount of advocacy items we got our hands into. Being a new role, the duties have been somewhat living and evolving. Typical items have included:

- Membership growth & development
- Policy
- Research and development (covered elsewhere)
- Leadership development and communication
- Special initiatives
- Legislative advocacy
- Ethics and complaints (covered elsewhere)
- Social media (covered elsewhere)

MEMBERSHIP GROWTH AND DEVELOPMENT

A number of recruitment drives or campaigns are currently in development and we look forward to reporting on significant increases in membership in the coming year. Members can look forward to the release of new packages, materials and posters shortly that will help in the promotion of the Institute and attracting new membership.

Membership development includes initiatives that help our current membership to receive more benefit from their membership with NZIS or in the industry itself. This has turned to include anything from facilitating a grassroots event and helping source speakers to the creation of new services for members or ways to communicate surveying and spatial with the general public.



GLENN STONE
INSURANCE



POLICY

We have established a rudimentary Quality Management System (QMS) for NZIS use. We are currently in the long process of reviewing and updating all existing policies into this database. All policies once entered, will be hyperlinked before the QMS is shared with members. Many policies at the moment are out of date which can mean inaccurate administrative information. Alongside this review, many new policies have been created and many more noted for future creation that will benefit NZIS membership or foreseeable membership (e.g. Treaty of Waitangi policy).

SPECIAL INITIATIVES

We are working on a number of special initiatives. This includes the growth and development of: women; Maori and minorities; spatial; engineering surveying, and; schools and universities – both within the institute itself and the industries we represent.

This has involved the development of a number of strategic plans or initiatives to this end. One example includes two career events that were facilitated in Auckland and Manawatu. Manawatu was a huge success with 3500 kids coming through the expo. Our joint stand with Geoworks was constantly flooded with interested students and we collected 111 email contacts. It is estimated the Auckland group spoke to between 500–1000 kids with 15 people on the stand, with seven sessions over three days. Auckland collected 48 email contacts of kids who indicated they wanted to keep in touch with us. These email details can be used to follow up with the kids with more surveying and spatial information and links to access our social media with an incentive for them to do so.

LEGISLATIVE ADVOCACY

We submitted on a number of items including: Christchurch Regeneration Bill; Canterbury Property Boundaries and Related Matters Bill; the Incorporated Societies Bill Exposure Draft; Proposed Nelson Tasman Land Development Manual, and; Marlborough Environment Plan. Our advocacy resulted in a number of wins for members – most notably, the protection of surveyors for work after the Canterbury earthquakes and the resolution of what principle of boundary definition to apply to earthquake affected land.

LEADERSHIP DEVELOPMENT AND COMMUNICATIONS

Leadership communications across the Council, Branches, Streams and Special Interest Groups have been in need of a few improvements for some time. This year will see the pilot of a new programme facilitating cross-interactions and individual leadership development.

Communications and Marketing

Projects have dominated the communication activities throughout the year with the following activities all requiring support and input.

CONFERENCES

Both the 2015 Wellington NZIS Conference and the FIG Working Week local organising committees were supported with communication plans to update members, encourage registrations and generally promote both events. This involved regular communications to members through various channels: email, publications, social media and websites. Communications support was also provided to Claudia Stormon from FIG during the working week.

WEBSITE

Preparation for the redesign of the NZIS website has been ongoing. Transformer Design based in Auckland were engaged to develop a new design due to their experience with Memberconex and the new website is being coded by Cyberglyue with final launch expected at the AGM in October 2016.

SOCIAL MEDIA

Development of the social media strategy has resulted in active participation in social media (Facebook, LinkedIn and Twitter). All three channels are growing healthily in activity and participation and have enabled us to reach wider, more diverse and probably younger audiences than with our traditional channels.

Competitions were run during the FIG Working Week and two school careers events, one in Auckland and one in New Plymouth (refer to the Advocacy report) – the relaxed nature of the media has been ideal for these events.

Linking to other Facebook pages has also enabled us to expand our audiences. We have a linkages to NZ Spatial Excellence Awards, FIG and Young professionals Facebook pages.

Future social media plans will be outlined in a new strategy for 2016–2018 which is currently in formation. We are hoping to grow all our current platforms, better integrate and grow our main accounts with any volunteer accounts and to investigate some new strategies for YouTube in particular.



LinkedIn:

<https://www.linkedin.com/company/new-zealand-institute-of-surveyors>



Twitter: @NZsurveyors



Facebook: <https://www.facebook.com/nzsurveyors/>

CANTERBURY

Support and resourcing for Canterbury cadastral related

developments required input throughout the first quarter of 2015 with updates from NZIS President and items relating to the NZIS Working party, *Review of Survey Practices in Relation to the Canterbury Rebuild, Canterbury Earthquake Affected Cadastre guidance information, and the Canterbury Property Boundary and Related matters Bill.*

HEALTH & SAFETY

A communications plan was implemented relating to the New Health & Safety legislation that came in this year. Members were kept informed of the dates and their own legal obligations under the new act. A new Health and Safety resource section was created on the website and an NZIS package providing guidance, information and practical worksheets was promoted to members.

AWARDS

Communications were prepared and distributed and support provided for the NZ Spatial Excellence Awards (NZSEA), the NZIS Award of Excellence and the newly created Cadastral Survey of the Year Award leading up to award announcement evenings

LAND TITLES SURVEYS IN NZ BOOK

The book, originally published as linking html pages on the old website was offline for a considerable amount of time however it was been republished during the year in the Memberconnex website as a series of downloadable pdf documents giving members access to this considerable resource once again.

PUBLICATIONS

New email templates in Memberconnex have allowed us to start transitioning the Newsletter to an online publication.

Surveying+Spatial continues to be published as a high quality, hard copy magazine however the additional option of an online book has been created on the website for recent editions.

The *NZ Surveyor Journal* was not ready for hard copy publication this year however when enough refereed articles are available we will look to publish these on the website.



Complaints and Ethics

NZIS continues to receive regular enquiries and complaints regarding surveyors and survey firms from the public, however for the vast majority of these no prima facie case is established and most do not progress beyond the initial enquiry level.

Eight ethical enquiries have been addressed over the 2015/2016 period. Two of these are ongoing and the other six resulted in no outcome. Where a finding has been made and lessons can be applied, all hearings are published.

On many occasions enquiries with NZIS seem to arise either directly or indirectly where there is an absence of an appropriate terms of engagement as part of the contracting process or on expectations regarding subdivisions. NZIS urges all members to maintain an up-to-date terms of engagement to use when dealing with all clients. The use of a comprehensive and accurate terms of engagement, combined with setting and explaining clear expectations to the client when it comes to work regarding subdivisions, should significantly reduce the number of complaints to the Ethics Committee.

Education and Continuing Professional Development

Over the 2015 Financial year NZIS has delivered a range of events and new initiatives. NZIS is continuing to receive good support from members for events. There are a range of interesting events that will be delivered over the 2016 year and some of these include:

- Subdivision design workshop
- Earthquake hazard modelling workshop
- Limited Titles seminar
- Health and safety software applications for surveying equipment webinar
- Dealing efficiently with UAV data from capture to deliverable webinar
- Ongoing business skills professional development training

Some of the NZIS recent initiatives are:

VIDEO LIBRARY PACKAGE SUBSCRIPTIONS

NZIS has received a positive response as members seem to like having the option to purchase the videos in bulk to assist with their CPD requirements.

THE HEALTH AND SAFETY RESOURCE

There has been a good uptake from members and we have recently also developed a hazard register work log book to include as part of the current package. With the release of the health and safety regulations a revised version of the current health and safety package is near completion. The revised version will help to assist members to meet the compliance requirements of the new 2016 regulations.

We currently have a range of webinars being organised for both specific technical topics and also business topics to meet



members' needs. NZIS will be launching new webinar software called Adobe Connect. This software was recently testing via a range of webinars that have been run via the Marketing Company, the software was extremely successful with no technical issues.

The events that have been run for members so far over the 2015/2016 financial year were:

- NZGD2000 deformation webinar
- Health and Safety Reform
- NZIS Seminar – CSD Quality systems
- Marketing Company webinar series
 - Webinar – Essential Negotiation
 - Webinar – Customer Service
 - Webinar – Key Account
 - Webinar – Business Networking
 - Webinar – Business Networking at Events
- NZIS Coastal Water Seminar
- Webinar Library – Downloads
- Health and Safety handbook resource

SUMMARY

A focus will be made this year on how to more effectively engage and market to our members to see how we can increase our CPD uptake. We are also focusing on projects to help generate a sustainable ongoing regular income such as downloadable resources and incentive packages. This will assist to stabilize our revenue between CPD seminar and workshop events.

NZIS is looking at how we can effectively reduce overheads this year. This will include looking at reducing the requirement for paper based information, and how we can more effectively use technology for web based meetings to reduce travel and venue costs.

NZIS will continue to grow and refine CPD and training as we realise that it is an ever evolving process. We have recently launched new webinar software and event recording technology so events can be produced in higher quality.

NZIS is in the process of brokering relationships with a range of likeminded organisations to see how NZIS members can gain access to a broader range of events. This will open up a whole new range of training topics and training options to better support the ongoing training needs of members.

Relationships with schools and scholarship initiatives will also be a focus for NZIS as we need to assist with fostering a new generation of surveyors into the industry.

Research and Development Report

Research and Development (R&D) at NZIS has been overseen by the R&D Committee for the past several years. In the last year, NZIS has been consolidating on the potential of this arm of its

activities with the hiring of new staff and a reinvigorated directive to develop the potential and capability of our tertiary, education and advocacy focused initiatives.

The purpose of the committee to date has been to initiate, encourage and administer research grants and bursaries which will support the surveying profession and provide benefit to NZIS members. This purpose has been primarily achieved by promoting and receiving applications for funding towards specific projects nominated by applicants. Another role of the committee has been to identify and commission research and development projects which are focused on subjects of particular value to our members.

The current committee members are: Kurt Bowen, Nick Davies, Matt Amos, Glenn Metcalf, Theresa Cole-Swami and Mick Strack. Meetings are held on an ad-hoc basis as matters arise.

In recent years NZIS pulled back on the level of promotion of the grants available due to financial restraints and subsequently only a few applicants have been approved. Whilst committee members have been very active in supporting the function in their individual capacities, there have been no R&D Committee initiated projects this year. This has been the result of many of the R&D functions being subsumed by National Office or specialised committees and Streams (e.g. if an item affects spatial professionals, then the Spatial Stream would address it). It was envisioned in the 2013 Annual Report that much of the Committee's role would be shortly assumed by National Office.

As we move out of this transitional stage, we are pleased to announce that in the coming year we will be looking to re-promote what grants and opportunities are available from NZIS. We will be developing new approaches and be looking at how we can best leverage the resources we have to support the diversity goals of NZIS. This includes supporting and promoting NZ's women and indigenous leaders, with a strong focus on Maori. It is possible we will look towards a new name, membership and purpose for the R&D Advisory Group.

On an exciting final note, our most recent recipient of a grant, NZIS member and Otago University student Chris Page, has been making waves with his work (assisted by our financial support) in France. Chris has been working with École Supérieure des Géomètres et Topographes and members Dr. Pascal Sirguey and Richard Hemi on surveying the WWI tunnels in the city of Arras – an underground network of caves that holds huge significance for New Zealand. We hope Chris's achievement along with NZIS support inspires many other members to take on research and development projects.

Finally, we wish to send a very special thankyou to members of the Committee for pioneering the work of R&D over the last year (and more). National Office looks forward to meeting with some members next month to try and kick some new ideas into action! If you have any ideas for the future do not hesitate to get in touch with us.

2015–2016 Scoreboard Outcomes

The following key outcomes were sought in year one of the 2015 to 2020 NZIS Strategic Plan. The outcomes achieved in each area are reported in percentage terms as apportioned by the NZIS Board:

Key Objectives	Score %	Comment
1. Strengthen policy and advocacy capability.	7/10%	A new staff position – Relationship Manager, has allowed us to support this focus. Lauren McGee is already having an impact on the support and quality of our engagement that is robustly led by the Board. There is still a large amount of work to be done but the foundations are in place.
2. Provide relevant CPD/ Training.	7/10%	A full CPD calendar was presented and implemented this year and although items moved and we experienced IT issues with some webinars, the topics covered were well received. Most presentations were recorded and now form part of the NZIS technical library. Providing relevancy for our profession in the CPD area is difficult for many reasons but our topics and training partnerships are expanding by the month. The cost of providing this service is at times challenging but maintaining and supporting professional currency is a priority. The opportunities to view or attend CPD or training events are greater than ever before, however getting the balance right for members' needs remains a work in progress.
3. Complete the implementation of all Streams into mainstream membership.	4/10%	The evolution is complete for several Streams but for most people the operation of a national leadership team remains challenging. Despite much effort the evolution is still developing and work is still needed to increase the relevancy and functioning of each Stream.
4. Identify membership gaps and needs.	4/10%	We have been consulting widely with Branch and Stream chairs around membership needs and gaps as they are in many cases extremely variable for urban and provincial circumstances. Work is being done to work towards a Workforce Shortage Survey that will give us quality data to develop further.
5. Consolidate our new governance structure	4/10%	Our evolution into our new structure is slowly gaining traction with focus and resources expanding as time and funding allows. Efforts are currently focused on the Engineering Surveying and Spatial Streams following the model that has been formulated and set by the Cadastral Stream. The development of a NZIS Admin Support Manual in 2016/17 will help achieve some of the initiatives that have occurred but not yet generally applied.
6. Develop new commercial connections.	9/10%	The NZIS 2015 Conference, New Zealand Spatial Excellence Awards and FIG WW 2016 have opened many new doors commercially and the revenue from that source is now the second biggest generator of funds to offset membership fees. This has been a huge transition for members and key partners and we need to actively show our support for the companies that now share their profits directly with our profession.
7. Significantly enhance spatial membership numbers.	2/10%	Numbers have grown but not significantly as we have worked through the value proposition that is not as CPD or certification focused as other streams. Some good ideas are being progressed with the focus now on a small number of key support areas.
8. Develop Government and stakeholder engagement strategy.	6/10%	Breaking down the focus into individual areas with leadership from the Board has assisted development. Initial targets have been progressed and will grow further in 2016/17.
9. Hold a successful FIG WW 2016.	19/20%	The FIG WW was a huge draw on NZIS volunteer and staff time with the outcomes achieved exceeding all expectations around the: technical quality of the event; the numbers attending (over 800 from 74 countries) and making a surplus. NZIS and the LOC have been commended at all international and national levels for raising the bar for the delivery of this event.
TOTALS	62%	

When I first encountered 'spatial' – in the form of a GIS course at university – I was interested in it but, at that point, it seemed a bit 'technical' and I had a limited awareness of what it could be applied to and the opportunities for work that might be out there if I pursued it. At that point, I was also averse to anything that would involve me spending hours hunkered over a computer battling software and trawling through code. I was also quite firmly on a 'pathway' that led me through an honours degree in Environmental Science and eventually on to complete a PhD.

A variety of opportunities and roles followed my study – including project management, stakeholder engagement, and strategic consulting in education and IT – but my trajectory soon led me back to 'geospatial'. I was delighted to realise that it had become a rapidly changing industry that was finally realising and embracing the power of the technology, and understanding that the impact of location information on society and the economy was about so much more than just about using a software package to make maps.

On my 'reintroduction' to the geospatial industry, I was lucky enough to be in a role that required me to work with stakeholders not only in research and education, but also government and industry, across a huge variety of theoretical and applied areas, and that gave me an opportunity to really see the amazing opportunities and connections that spatial provides.

Technology was catching up with the opportunities, and the convergence was producing innovations that had the potential to really influence and disrupt the way we do things. The broad and high level view I had across the range of applications of location information really excited and inspired me. And with my geography background, I loved the idea that 'place' was central to this, and that 'where' was becoming recognised as a vital question for decision making.

For me, the excitement didn't come from the technical detail per se, but rather the



Spatial technology changes career trajectory

Kathryn Salm – Senior Geospatial Consultant, Aurecon

opportunities that connection and collaboration could produce, and how difficult problems could be solved in smart ways by using and integrating location information and technology.

Since that first spatial role, I have worked on a wide range of projects and initiatives across government, the tertiary sector (both in education and research areas) and in the private sector.

This has included being part of the team to develop the collaborative Masters in Geographic Information Science, and geospatial innovation project management at the interface of researchers, industry and government stakeholders. In early 2011, I moved to Wellington to a role in the LINZ Geospatial Office as National Capability Lead, supporting the strategic development of national capability – the lack of which was identified as a major barrier in the New Zealand Geospatial Strategy.

After the Geospatial Office, I took a role as Consulting Team Lead at e-Spatial Ltd, and was involved in enterprise review and strategy projects, engaging with government and industry clients to help enable, and generate value from, their use of location information across their businesses. At the same time, I was actively involved in industry initiatives including Women in Spatial, NZIS, CRCSI, FIG, and the Geospatial Capability Committee.

Most recently, my interest in the convergence of technology (in particular in the areas of BIM integration, the digital built environment, and smart cities) led me to Aurecon, where the digital changes in the AEC industry and the growing potential



Kat with Elaine McAlister (WIS Chair) and guest speaker at FIG Working Week breakfast, Winnie Shiue

for spatial to make a real difference has seen me take a role here to grow and share our opportunities.

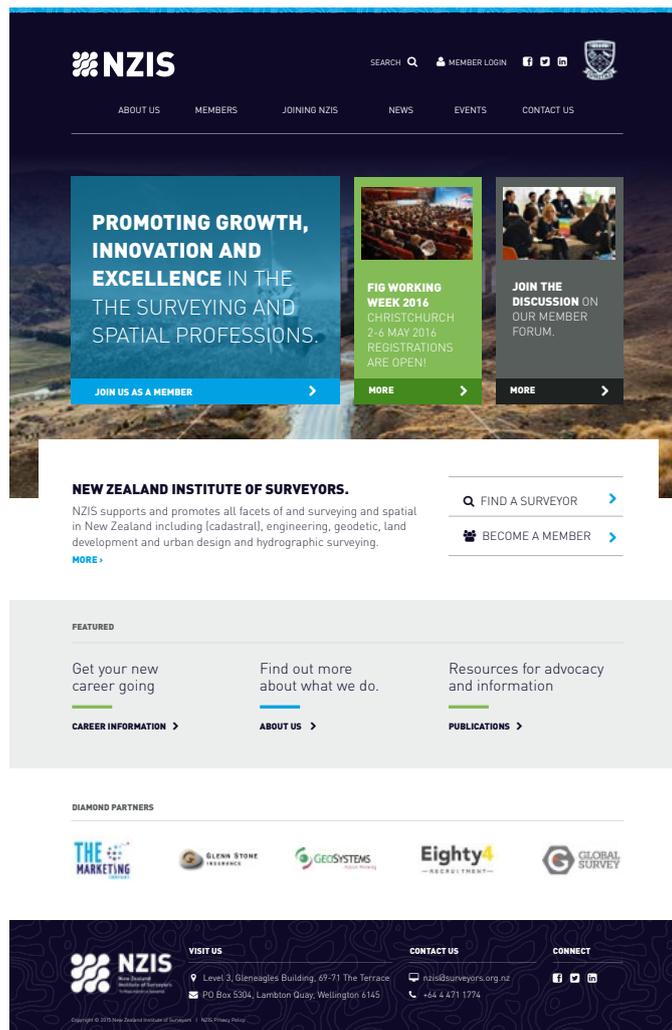
Aurecon are consulting engineers who provide advisory, design, delivery and asset management services on projects across a range of markets, in locations worldwide. These services include digital and infrastructure advisory; building design, ground engineering design and infrastructure design; programme and project management delivery; and asset management and geospatial systems. Aurecon has been successfully delivering geospatial business systems and solutions to international clients for many years. Our team of geospatial professionals draw on a unique combination of industry experience, business acumen and technical knowledge to deliver innovative business solutions across a wide variety of disciplines and industries.

At Aurecon, we are increasingly working on projects that have a 'digital engineering' approach, and are looking to integrate multiple technologies to improve efficiency, engagement, collaboration, and outcomes. The use of innovative new technology and techniques in our space is exciting and really gives a glimpse into the future of how things will work.

I've been fortunate to work on some very exciting projects over my geospatial career to date, and there are many things that I am proud to have been involved with, including the Masters in Geographic Information Science, Virtual Field trips for schools, the launch of the Geospatial Research Institute, and the addition of 'Spatial Scientist' to the NZ skills shortage list. The variety of the work I've done, and the passion of the people I've worked with – both clients and colleagues – means that there's rarely a dull moment.

NZIS Branch Chairpersons 2015–2016

Northland	Phillip Lash	Nelson/Marlborough	Chris Walker
Auckland	Andrew Blackman	Westland	Jan Coll
Waikato	Peter McLachlan	Canterbury	Shane Dixon
Rotorua/Bay of Plenty	Carl Salmons	South Canterbury	Jason Bolitho
Hawkes Bay	Nicholas Stillwell	Coastal Otago	Steven Copson
Manawatu/Wanganui	Steven Archer	Central Otago	Stuart Calder
Taranaki	Geoffrey Bland	Southland	Chris Walker
Gisborne	Kevin Taylor	Hong Kong	John Barrett
Wellington	Michael Foster		



New www.surveyors.org.nz design

NZIS Branch Activities

Northland Branch

A very busy year has passed again for the Northland Branch. Workloads have built as the confidence returns to local developers, with a steady stream of both residential and lifestyle development now across the District. As usual, the pressure builds from the south from our Super City neighbours with the southern coastal areas experiencing the strongest growth and demand, and in particular this year a good building of residential section demand within Whangarei.

A busy industry is usually reflected in the turnout to branch activities and meetings as numbers available decline with everyone's additional work pressure. The Northland Branch continued to have four to five meetings during a year, one as an AGM and with the remainder either a presentation from Land Information New Zealand or a presentation arranged by one of the local practices. Recently we had a great presentation from the Department of Conservation in Kerikeri on their policy behind restrictions in Kiwi present zones around the District, and a review of the Public Works Act and associated legalisation surveys. There was a good turnout to a Health and Safety reform workshop arranged by the Institute and also good discussion and review at one of the Branch meetings.

The Whangarei District Council has recently notified numerous plan changes associated with their largest review of the rural areas within the District with a distinct aim to try and prevent sporadic rural lifestyle development within the District. This has added to local practitioners workloads as we deal with both submissions on the pending plan change but also those trying to complete developments prior to the implementation of the proposed new rules.

Thank you to all those Branch members that participated with the Institute's activities throughout the year and a thank you to our secretary/ treasurer for their assistance over the past year.

Auckland Branch

It has been another busy year and firstly I would like to thank our executive committee members who have both visibly and behind the scenes worked hard to administer the branch affairs, arrange venues and coordinate speakers, etc:

- Ryan Healey – Secretary
- Bruce Frith – Treasurer
- Rebecca Strang
- Claire Valkenborg

- Robert Mears
- Ann-Maree Wallace
- Thomas Bretherton
- Joe Leeper

We recognise the contribution that they have individually and collectively made.

Also while technically not part of the executive, I would also like to thank Alan Kinnear who works tirelessly behind the scenes to assist wherever possible.

Some of the present members have decided to retire from the exec this year and we thank and congratulate Claire – who is busy as a mother. Also Tom and Ryan we thank you both for your long service to the exec as Chairman and Secretary respectively.

The remaining members have put themselves forward to be nominated for a further year. Daniel Purvis and Noel Armstrong have also kindly offered their availability as new committee members.

We would welcome any other nominations for committee members to be part of the group and to bring further fresh ideas.

We would also like to thank the following businesses that have sponsored meetings over the past year: Global Survey for last year's AGM and Glenn Stone Insurance for this year's AGM.

BRANCH MEETINGS

Since the last AGM we have enjoyed Branch meetings with the following themes and speakers:

August 2015: LINZ – Kevin Marshall, Ashley Wright, Roger Dennison and Steven Mydlowski – Landonline enhancements, ASaTS, LINZ Technical Advisors and various other topics

November 2015: Unitec – Hohepa Renata – The Significance of Mana Whenua & Dave Allen – Unitec NDS Programme, New Engineering Surveying Degree and Recruitment to the Profession

December 2015: Bowls at Epsom Bowling Club – NZIS Chief Executive, Hady Smith

February 2016: Hobsonville Land Company – David Ison & Katja Lietz – New Initiatives to Deliver a Wider Range of Housing Types and Prices

April 2016: Michael Cutfield – The Engineering Surveying Professional Stream and Waterview Tunnel & Jeremy Neilson, Synergy Positioning Systems – Pros and Cons of UAV Mapping

June 2016: Paul Howes & Mark Iszard from Auckland Council, Kimdon Nguyen from Auckland Transport and Jean de Villiers from Watercare Services – The Engineering Side of Resource Consents

This year has seen good attendance at Branch meetings, often with 60–70 or so members present and I commend members for getting involved.

REUNION OF SURVEY CADETS

In November 2015, Alan Kinnear and John Yeoman organised a very successful reunion of those that qualified under the old cadet system. This was at the Waipuna Lodge in Mt Wellington and involved more than 50 ex-Survey Cadets who thoroughly enjoyed the event.

UNITEC AWARDS

Just prior to Christmas I represented the Branch at the annual Unitec awards ceremony and presented the Best Overall Student in the graduating NDS class with a cheque and a certificate from the Branch. I was also pleased to see representatives from a number of private survey firms who were there to present awards to survey students in various categories. It was a worthwhile occasion and I hope it continues for a long time.

STUDY SESSIONS FOR CADASTRAL LAW EXAM

From November 2015 through to the exam in February 2016, the Branch's Young Professionals rep, Robert Mears, organised a series of study sessions to assist 15 candidates to prepare for the exam.

The candidates were hugely appreciative of those that gave their time to assist in understanding the practical application of the written legislation. Please consider whether you are able to assist with this important aspect of a young surveyor's education when it starts again later in the year.



2015 Silver Award of Excellence, Waterview Tunnel, Auckland

RECRUITMENT TO THE PROFESSION

Following the Branch meeting at Unitec in November, the Branch and Unitec have been working collaboratively to attract more secondary school students to the profession from the Auckland region. The main activity in this "Fight for Talent" has been the joint attendance by the two organisations at the Careers Expo for School Students at the Epsom Showgrounds in May 2016. Over the three days of the expo, a mixture of 15 mostly younger surveyors and Unitec lecturers engaged with the students, increasing the visibility of the profession and hopefully attracting some top talent to join it. Thank you to all those that assisted and particularly to Global Survey for supplying the latest equipment and some other great material.

LOOKING FORWARD

In August a decision will be made on the new Auckland Council Unitary Plan and following this we will have a major focus on assisting members to come to grips with the implications of this major change to the planning landscape.

Also this year we have been making an effort to theme Branch Meetings towards various different streams and we will continue to do this.

Andrew Blackman, Chair

Waikato Branch

The year commenced with the AGM in July where our guest speaker was Sarah Cockerton, a forensic scientist based in Auckland with Environment Science and Research (ESR). Sarah talked about her job and how new technology, like laser scanners, were utilised in her work. Sarah's presentation provided a great insight into the advantages of laser scanners compared to conventional methods.

The annual visit to LINZ was also well received with the tour around the processing centre providing a valuable insight into the changes that are currently occurring. There has undoubtedly been a shift in the work environment at LINZ which closer aligns them with their external customers.

A follow up visit to the Waikato Expressway (Cambridge Section) showed the amazing progress achieved by HEB's and was well received by attendees.

NZTA hosted a meeting which gave surveyors an opportunity to put faces to names and provided an opportunity for honest feedback from all parties. This meeting is scheduled on a bi-annual basis.

The Waikato Branch was lucky to have three representatives at FIG WW in Christchurch this

year and thanks the Institute for their contribution to the attendees' costs. Our representatives certainly enjoyed the conference and gained plenty from their attendance and our Branch enjoyed hearing about their experiences and insights.

Our Branch also hosted visitors from local Councils on a number of occasions at events in a deliberate plan to raise the profile of our profession in Local Government. We will continue this in the coming year.

On the work front the Waikato has seen continued significant urban growth occurring, which is not only in Hamilton but is filtering out into the regional towns. This combined with large scale infrastructure projects means local surveyors are extremely busy. The wave of demand and rise in prices is without doubt filtering down from Auckland. Some local Councils have been fortunate that high development contributions which had previously stifled growth are now offset by the rise in land values.

This year for our AGM, we are excited to be hosting the Minister of Land Information, the Right Honourable Louise Upston at the Avantidrome in Cambridge.

Peter V McLachlan, Chair

Rotorua-Bay of Plenty Branch

It has been a busy year for the members of our Branch. Our Branch incorporates members from Taupo, Rotorua, Tauranga and the eastern Bay of Plenty. This year we held five meetings which were in Tauranga, Rotorua and Taupo plus a joint meeting with the Waikato Branch at LINZ Hamilton. The meetings were generally well attended with an average of about 30 members at each. The format of the meeting is usually a few social drinks, followed by a Branch meeting, speaker and then we have a meal together. Young surveyors are regularly attending meetings and taking on exec positions which is a great sign for the future of the Branch. Several new members have joined the Branch this year. The exec team have opted for a more social emphasis on the meetings and have taken steps to reduce the routine formalities to the absolute essentials.

Speakers this year included Dave Donaldson (Deputy Mayor of Rotorua and one of the key figures in Rotorua Mountain Bike festival Crankworx) and a sobering talk from AON Insurance advisers about Professional Indemnity insurance. The Christmas meeting in Taupo was well attended and the branch decided to hire a party bus to take members from Tauranga to Taupo via Rotorua which was a success.

During the year, branch members attended the NZIS National Conference and FIG Working Week and provided feedback to the meetings.



2015 Merit Award of Excellence, 850 Cameron Road, Tauranga

Members have been extremely busy with a significant residential and commercial building and development boom occurring in the Bay. For example, in Tauranga City, 1,597 new dwellings were consented in the July 15 to June 16 year compared to the 2010–11 year where only 461 dwelling consents were issued. The levels are not yet at the 2003–2004 levels where 1,817 new dwellings were consented to in Tauranga City and with the unrelenting migration pressure and difficulty in releasing land in Auckland for development the workloads across the bay are expected to continue to increase. The Bay of Plenty Branch is used to a boom and bust cycle and members are mindful of the depths of the recent recession and are making hiring decisions carefully.

Branch advocacy in terms of local and regional government policy has been relatively quiet this year with the key local authorities not proposing significant changes to their planning instruments. We are lucky that Matt Ryder, former chair of the branch has joined the NZIS Cadastral stream and is on the NZIS Council and keeps us in the loop with National Office happenings.

Rose Waddington, our Branch Secretary is leaving the branch later this year and we are grateful for her significant contributions to the branch during her time as secretary. Bailey McNutt has joined the exec team as treasurer.

Overall the branch is in good spirits and looks forward to another busy year.

Carl Salmons, Chair

Gisborne Branch

The Branch activities over the past year have again been minimal. Only one formal Branch meeting was held during the past year since the last Annual General Meeting, on 17 February 2016.

This year a successful joint informal meeting / get-together was held with the Hawkes Bay Branch on 5 March 2016. Between the two Branches there were approximately 20 people in attendance.

The day started with a lunch at The Works Café Restaurant and Bar on The Esplanade at 12 noon. This was followed by a drive out to Nicks Head Station, near Muriwai, and a walk for at least three hours past a wetland area to the predator proofed fence near the head itself. From here we walked up to the northern cliff face and back west past the trig station, Trig 103 Te Kuri, and a pa site before returning to our parked vehicles. Later that evening an enjoyable barbeque was held at the residence of the Gisborne Branch Chairman.

As with the previous years, the Branch received no visits from any of the Council or Board members of the NZIS. Likewise there was no visit from any LINZ representatives.

Regionally the local surveyors, as stakeholders, have continually been invited to attend a series of forums organised by the Gisborne District Council on a range of matters relating to the Resource Management Act 1991.

The membership within the Branch remains the same with just four voting members and now only one associate member.

Kevin Taylor, Chair

Hawkes Bay Branch

The past year has seen four formal Branch meetings, two social functions, and other informal meetings and discussions to assist the Branch to collectively represent our views and to organise our approach to influencing the region for the better. We have also been represented at the national conference and collectively our members have played a significant role in the development of the region.

Branch meetings have generally been well attended and have covered a range of topics, as well as providing an opportunity for a social gathering before or after the meeting for members to catch up.

Guest speakers Hellen Munro and Darrell Hall presented on the Hawkes Bay Local Authority Shared Services HB Viewer GIS and the regional council's Natural Hazard Portal for our first meeting of the year. Meetings have covered a range of topics and included general updates and knowledge sharing for our members.

The past year has also seen the re-instigation of an exchange between Gisborne and Hawke's Bay NZIS Branches. A good group of our members headed up to Gisborne and were excellently hosted by the Gisborne Branch, the weekend included, amongst other things, Lunch at a café, a walk around Young Nick's Head, and a BBQ dinner at Kevin Taylors house. It would be great to see this excellent initiative reciprocated next year, perhaps this time we can host?

With any luck, I am about to vote on a replacement for myself and thought I would take the moment to thank everyone for their support over the last two years. Through the role I have gained a much stronger appreciation for the passion and enthusiasm

of our members and their willingness to see things progress. Thankyou.

Nick Stillwell, Chair

Taranaki Branch



BRANCH MEETINGS

A total of four Branch meeting were been held throughout the last 12 months with most being in the first half of those months. All meetings were well attended with the last one in March including the attendance of Haydn Smith and Lauren McGee. The minutes recorded that particular meeting lasting 2.5 hours which will have been the longest meeting held for some time.

OCTOBER CONFERENCE, WELLINGTON.

As Branch Delegate the four remits submitted by the Branch were covered by way of a presentation and discussion at the Communication Forum and more formally at the AGM the next morning. Despite indicating that permitted timeframes to present the remits would be constrained and that no vote was required, the remits did have a good hearing at both forums and a good level of support was apparent. All four remits were presented as motions and put to those present. All were passed.

The October conference saw Stefan Kiss relinquish his role on the Council of NZIS. As Taranaki's representative on the Council during a time of significant change, I would like to acknowledge and thank Stefan for his involvement on behalf of the Branch.

CANTERBURY EARTHQUAKE SUBMISSION

During this term two submissions were made by the Branch in respect of the Canterbury Earthquake rules. A huge vote of thanks is due to Pat Sole who put in a great deal of time into preparing the submission, attending the Select Committee hearing in Wellington and monitoring the progress of the bill. Local members of Parliament were forwarded copies of the Branch's submission and feedback was received from all with the exception of Andrew Little. Pat and myself also met with Jonathon Young to discuss our concerns with the bills. An attempt to meet with Andrew Little was also made but the meeting scheduled was cancelled.

SEMINARS

Only one seminar, The Coastal Water Seminar, has been held in Taranaki. Thanks are due to Colin Jackson for his effort in convincing the Institute we could achieve a level of attendance that justified a presentation here and ensuring that it was well attended.

MEMBERSHIP

Two additional members have been welcomed to the branch – Nathan Carrington from Opus and the return of Jason Meulfrom, Juffermans Surveying Ltd.

Finally, thank you to all who have contributed to the activities of the branch during the year – especially our secretary, Harald, and our long-serving Treasurer, Graham. I also thank Pat for his considerable input into recent legislation matters.

Geoff Bland, Chair

Wellington Branch

Whakataka te hau ke I te uru
Whakataka te hau kit e tonga
Kia makinakina ki uta
Kia mataratara ki tai
E hi ake ana te ata kura
He tio, he huka, he hauhu
Tihei mauri ora
Tena koutou nga Kairuri o te Whanganui-a-Tara.

I think it's fair to say that it's been a very busy year for us all. Land development is on the up and there is a large flurry of roading infrastructure projects in the Wellington region on the go.

For the year just gone the highlight for Wellington Branch was the Conference held at the James Cook Hotel in October. Thanks to all those who helped organise this. Ben Zwartz, Wellington Branch representative at the time, also helped arrange for a Wellington Branch presence at the Powhiri where Ben, Brett Gawn, my wife and myself sang a waiata.

Other activities have included a Spatial Quiz night, the Young Surveyors' get-together and also the Christmas Branch meeting/Quiz evening, supported by NZIS National Office.

Various venues have been tried out for Branch meetings with an emphasis on using corporate offices to save on venue hire. For example the Cardno office was used for a UAV demonstration.

A special thanks to Jo Cushen for her hard work and many years as branch treasurer. Her experience and organisational skills will be missed.

Also a big thank you to our secretary Kieran MCarthy for all his diligent work.

Michael Foster, Chair

Nelson Marlborough Branch

Our combined region is active and engaged. We have quarterly meetings, held at the Rai Valley Tavern, roughly half-way between Blenheim and Nelson, and it is a credit to the small but dedicated group of members who make the trip every few months.

Branch meetings continue to be lively with plenty of topical content for discussion and presentations from NZIS commercial partners, local business' and a visit from Hadyn Smith and Lauren McGee (National Office) this year. Their visit certainly re-affirmed the connection with National Office, and the willingness to continue providing services to the members in the provinces.

It is with sadness that we have had to farewell two of our active members, passing away in the past year. Both Ross Shirley, and Owen Amor will be missed.

Members from both Marlborough and Nelson/Tasman report workloads as being currently buoyant.

On the Tasman side of the hill, urban areas are expanding to fulfil a need for more housing. It's not just Auckland, that's feeling housing pressure. This of course has been placing increasing pressure on existing infrastructure and services, particularly on a district which has small urban areas spread over a large rural catchment.

Members have been involved in meeting this challenge through their own work, and the review of the combined Nelson City



Bruce McFadgen of Wellington, 2015 McRae Award recipient

Council and Tasman District Council, Land Development Manual (Engineering Standards), in order to search for efficiencies, and incorporate new strategies of dealing with the demand, being both population driven and environmental. Members are also engaged with presence on the Tasman and Nelson Developers Forums. This gathering of key Council officers, land professionals and developers provides the opportunity to discuss current issues, and the opportunities for greater cooperation particularly in the areas of urban redevelopment and high density housing.

Tourism to the area, has also had a major boost this year with the expansion of Nelson Airport carrier services, and the redevelopment of the terminal to be undertaken in the near future. The flow on effect being increased capital into the local economy.

In Marlborough, the wine industry continues to expand, and create work for our members. Some greenfield development has been taking place, with Council opening up specific areas, on Blenheim's fringes. Getting services and infrastructure to those areas in a cost effective manner remains the challenge. Within the Blenheim CBD a new theatre for stage productions and conferences is nearing completion, and there is commercial redevelopment of existing sites, and general encouragement toward apartment style accommodation.

Stadium 2000, open for a couple of years now, continues to be a leading community sports facility for the region, and there is a move to centralising field sports to Landsdown Park.

Marlborough members have also been involved in the District Plan review process, and a submission will be made by local members with the support of the Branch.

Chris Walker, Chair

Canterbury Branch

INTRODUCTION

The 2015/16 year has continued to keep members challenged and busy. The Christchurch infrastructure repair work is now largely complete, together with a number of large scale residential subdivisions. The residential rebuild is now well underway along with three of Christchurch's four key CBD retail precincts, while the wider commercial rebuild sector still has some way to go. In the wider Canterbury region, I am advised that this past year has continued to be steady, with consistent workflows for surveyors north and south.

Challenges have remained for surveyors defining property boundaries in areas affected by earthquake related land movement. We have actively participated in the development of legislation currently going through Parliament which is designed to deal with this issue. We have also had a very busy time planning and hosting the very successful FIG Working Week 2016.

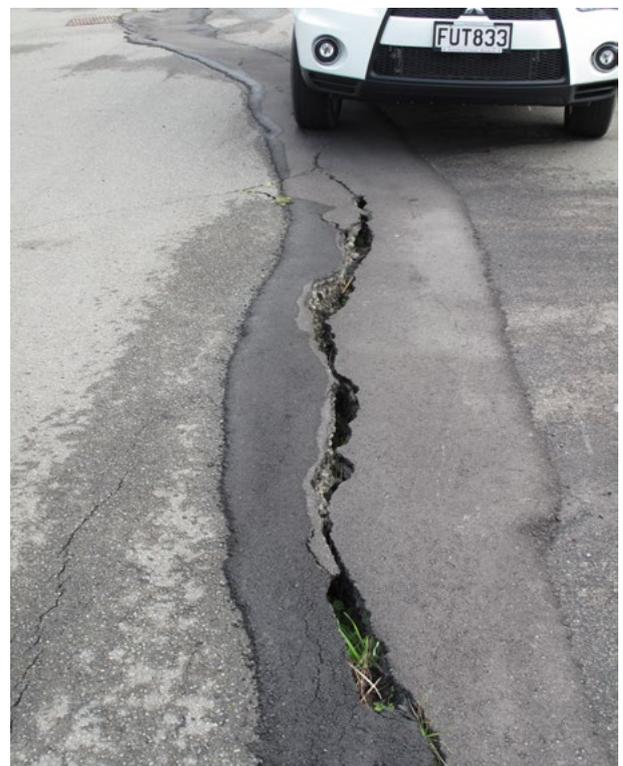
EXECUTIVE COMMITTEE

I would like to thank the members of the Executive Committee who have put in many volunteer hours to organise Branch matters and National Office events at the local level. We warmly recognise their contributions, both individually and collectively. Thank you also to their employers who have allowed them to undertake Institute matters.

The 2015/16 committee was:

Chairperson	Shane Dixon
Immediate Past Chairperson	Scott Williams
Secretary	John Cochran
Treasurer	Steven Mydlowski
Young Surveyors Rep	Sharleen Cole-Swami
Committee	Melissa O'Brien Todd Airey Michael Croucher Jono Renwick Claire Buxton Amanda Cockroft Phil Dewar Lyndon Endicott-Davies

Shane Dixon is stepping down as Chair, he will stay on committee as Immediate Past Chair. Phil Dewar, Melissa O'Brien, Claire Buxton and Scott Williams are stepping down from the committee.



Earthquake damaged road, Redcliffe, Christchurch



Earthquake damaged houses, Redcliffe, Christchurch

The remainder of the executive have indicated they will remain on the committee. Craig Hurford has been nominated for the role of Chairperson.

BRANCH ACTIVITIES

The 127th AGM of the Canterbury Branch of the Institute of Surveyors was held at the Chateau on the Park on 22nd July 2015. The guest speaker was Councillor Paul Lonsdale, who spoke about his enthusiasm for the CBD and life as a Christchurch City Councillor.

The September Branch meeting was held at the LINZ offices and included a very informative show-and-tell presentation by LINZ representatives on the Survey and Titles processes. This included a walk-through the LINZ offices and the opportunity to see LINZ staff at work and ask questions about their work. A very worthwhile event and one that I would encourage is repeated in a year's time, for any new members and those that missed this year's event.

The November Branch meeting was also held at the LINZ offices. The purpose of the meeting was to discuss proposed submissions on two Bills (The Greater Christchurch Regeneration Bill and The Canterbury Property Boundaries and Related Matters Bill). Mark Dyer (Surveyor-General) and Cindy O'Brien (Policy Manager, LINZ) provided members with some context on the 'Boundaries Bill' and updated us on LINZ's work on draft changes to the Rules in anticipation of the Bill being passed. Mark also acknowledged the work of the Canterbury Branch Working Party led by Brent George. The members then discussed proposed submissions on the Bills clause by clause.

The 2015 Christmas function was held at the United Croquet Club in Hagley Park. Attendees were provided with some coaching on the game of croquet by club members before getting into teams for several friendly – but also quite competitive – games. The games were followed with a BBQ at the club house and various tales of master strokes, cannons, clearances and big blocks.

This year's February Branch "breakfast" meeting was held at the new Christchurch RSA in Armagh St. It was another very

successful event with 65 attendees. The guest speakers were Mark Allan (NZIS President) and Alistair Greig. Mark provided members with an update on the activities of National Office and Council including their work on an Officer Holder Manual for Branch Chairs, planned visits to local branches by National Office representatives, their work on the RMA Amendment Bill, the Cadastral Survey Act Working Party, training and CPD, and teleconferences being held between National Office and local branch executives. Alistair then provided a very interesting presentation on his visit to Nepal for the FIG forum on their earthquake recovery.

In February LINZ held a workshop on the draft cadastral survey rules for Canterbury to provide members and others with an opportunity to discuss the draft rules.

On 7th March, a collaborative workshop between surveyors and lawyers was held in Christchurch on cross leases. This was a joint venture between the Canterbury Westland Branch of the NZ Law Society and the NZIS Canterbury Branch. Speakers were Jeff Irving of Clark Land Surveyors Limited, Professor Elizabeth Toomey from the University of Canterbury, Eleanor Elvidge LINZ Titles Advisor and Steven Mydlowski LINZ Cadastral Surveyor who was also MC. There was an even mix of surveyors and lawyers at each table where four scenarios were discussed (additions, conversion to fee simple, rebuild with an unchanged footprint and a rebuild with a new footprint). The discussions were robust and focussed. A good spin off from such events is in bringing the professions and LINZ closer together, developing relationships and understanding the issues facing each party. It is hoped the feedback received will be used by the Cadastral Professional Stream with a view to setting up a series of seminars that will be held in some centres around New Zealand. The workshop was attended by a total of 110 people including the speakers.

The Canterbury Property Boundaries and Related Matters Bill was introduced into Parliament in October 2015. The First Reading was held in November 2015 and the Second Reading was in June 2016. The Bill provides for the location of property boundaries in Christchurch on the basis that they moved with earthquake related land movements. This is in line with the recommendations of the Canterbury Working Party.

In December 2015 and January 2016 we prepared submissions on the Greater Christchurch Regeneration Bill and the Canterbury Property Boundaries and Related Matters Bill. These were followed by presentations to the Local Government and Environment Select Committee in January and February.

Jono Renwick represented the Branch at the NZIS Conference in New Plymouth.

The Cadastral Law Exams were held in February. We thank LINZ for providing the supervision of the exams.



Christchurch city post-earthquake

The FIG local organising committee (LOC), chaired by Simon Ironside, was kept very busy with the final planning and very successful hosting of the largest event NZIS has hosted in its 128 year history. Key ingredients in the success of the event were Simon's leadership and experience from previous events, as well as the months of careful planning and volunteer work put in by all the LOC members. The LOC was also supported by many more members who volunteered to assist on specific tasks during the Working Week. The success of the event is something that NZIS and the Canterbury Branch can be very proud of and I extend a very warm thank you to all our volunteers; your efforts were fundamental to the success of FIG WW 2016.

Following their outstanding work on solutions for dealing with earthquake related land movement, and based on their recommendations to the LINZ Sector Leaders Group, the Canterbury Working Party spent many more months developing and crafting the *Practice Guidelines for Cadastral Surveys in areas affected by ground movement caused by earthquakes in Canterbury*. The Guidelines were released in June 2016. The Guideline will become an invaluable resource for surveyors working in Canterbury for many years to come. I extend a very big thank you to the Canterbury Working Party for their unfailing dedication and commitment to this work.

We are continuing to work with Christchurch City Council on changes to their Building Location Certificate form and are

hopeful that a revised form will be available before the end of this year.

LOOKING FORWARD

The next twelve months will be challenging for Canterbury surveyors and geo-spatial professionals as the post-earthquake construction boom eases and the economic growth rates we have experienced in recent years flatten off. We will continue to be busy but the market and our work areas will likely change.

Once the Canterbury Property Boundaries Bill is passed into law, LINZ will undertake statutory consultation on the proposed Canterbury rules for cadastral surveys. We will need to continue to actively participate in this process, as we did in the development of the solutions for dealing with earthquake related land movement and the subsequent Bill. We will also need to spend time understanding and interpreting the new legislation and rules.

In addition, we will need to continue to develop opportunities and events for our geospatial and surveying members to get together and learn from each other. Accordingly, the year ahead will be another busy one for us.

The Branch plans to continue to provide more opportunities for surveyors and geo-spatial professionals to network, socialise and get professional support.

I would once again like to thank the Executive Committee. I also

commend them for their continued support and commitment over the coming year. The involvement of members like them is crucial for our Branch to function, support our members on local issues and strengthen the profession.

Shane Dixon, Chair

South Canterbury Branch

All reports received are of another steady year for South Canterbury Professionals, including those of the Branch.

A slight tightening in the financial sector has seen a corresponding ease-up in the residential construction industry, although commercial and industrial investment remains quite strong.

The dairy sector locally has limped through another bruising year, with consolidation rather than expansion being the primary focus.

Members from outside the Branch may be interested to hear that plans are finally taking shape for a \$42m hotel, apartment and corporate office complex on the Bay Hill Hydro Grand site, overlooking Caroline Bay.

Architects' impressions of the development display three impressive buildings linked by a central public courtyard. Dining and beverage tenancies at the street frontage will link the complex to the public spaces and enhance the experience for those visiting the Town's Bay Hill and Piazza, which links the Central Business District with Caroline Bay. Submissions closed on the Resource Consent application last Friday and a hearing date has been set for 27 October. We will watch progress on this exciting development with great interest over the coming months.

We've all been forced this year to look again at the "elephant in the room" our Health and Safety practices, to ensure we are doing everything we can to safeguard the Health and Safety of those we are responsible for and responsible to. Members who have spent time writing Health and Safety policies and procedures will know that it can be difficult to define the line between where a written policy or procedure is required and where common sense can be trusted to take over.

The company with the biggest fatterest Health and Safety manual, a lockout/tagout procedure for the kettle and a policy requiring you to have a spotter when changing a light bulb, may not necessarily have the best Health and Safety system.

A successful Health and Safety system is one that avoids harm while remaining usable and accepted. Sure there must be a certain number of do's, don'ts and audits, but our working situations, and therefore the presented risks, can change on a daily basis. The challenge therein being to operate a Health and Safety system that can adapt across a wide range of working situations and presented risks.

So I would encourage members to consider this when reviewing their Health and Safety systems and be aiming for a usable and

accepted system, including regular communication with the system users, backed up of course by excellent record keeping and scheduled auditing.

The Rio Olympic Games were a huge success for New Zealand athletes this year with a record number of medals won. The South Canterbury Region enjoyed its share of this success with Natalie Rooney and Tom Walsh winning silver and bronze respectively in their specialist events. The pair have long been respected as world class athletes near the very top of their sporting fields, and both have now been rewarded with Olympic medals. They are both excellent ambassadors for our Region and their achievements deserve to be celebrated for some time.

So looking forward to the next 12 months I see very little change likely in the economic condition of our Region. I would encourage members to use this reasonably stable period to look beyond their traditional scope and explore possibilities to add value to the services they provide.

Advancements in technology such as drones and other scanning devices can mean that tasks previously taking days by traditional methods, now simply take a matter of hours. Not to mention the almost guaranteed Health and Safety advantages that such technologies offer.

I would also encourage members to support initiatives that benefit their region, encourage growth and boost social and economic confidence. We see such opportunities every day in both the private and public sector, yet we seldom voice our opinion unless in opposition. The weight of positive support should not be underestimated. After all, we are a Profession that relies on forward momentum to prosper...

So let's all try to work smarter and safer, not harder this coming year... think big and aim for gold!

Jason Bolitho, Chair

Westland Branch

Westland Branch has not been very active over the past 12 months with two meetings being held, the AGM as a teleconference and a meeting in Reefton to present the Montgomerie Peg to the Curator of the Black's Point Museum.

Branch Membership has remained static with no new members but fortunately no resignations.

Workload for surveyors in the Region remains at a low level and although the work is usually interesting and generally appreciated by clients and stakeholders it is, in some instances quite challenging. Weather conditions and remoteness are always aspects that impact on how and when survey work can be undertaken. The Region has had some significant weather events over the past 12 months that have damaged infrastructure and impede the ability to plan work effectively.

The members are keen to have some CPD event opportunities available and plan to liaise with providers and other professional groups to identify relevant, appropriate topics and training within the Region.

Jan Coll, Chair

Central Otago Branch

Central Otago has been experiencing an unusual winter, having had a large snowfall early in the season which trapped a number of 4wd vehicles in the Old Man Range in the hills behind Alexandra. Since then the snow has all but melted with milder winter weather and the ski fields anxiously waiting for a decent fall.

Surveying firms in the district have busy workloads with demand for property and bare lots increasingly dramatically from this time last year. Staged greenfield subdivisions have been selling well throughout the district. Queenstown and Wanaka especially have been busy with the Otago Daily Times stating that based on wages, Central Otago was even out stripping Auckland on the unaffordability front for housing!

Occasional Branch meetings have been held in Cromwell which is central to firms from Queenstown, Wanaka and Alexandra. Glenn and Daniel from Glenn Stone Insurance were our guest speakers at our last Branch meeting and provided a very informative presentation/discussion on the different types of cover available, specifically designed for surveyors. Webinars available through the NZIS website are proving cost efficient in providing CPD for individuals.

Two young surveyors represented the branch at the recent FIG Working Week and thoroughly enjoyed the experience. Photos from the event showed the obvious planning that had gone into the staging of the event.

At the coming AGM the current treasurer and Chairman are both stepping down from their roles. Our hard working secretary has agreed to also take on the treasurer duties, but a new chairperson has yet to be encouraged into the role!

Stuart Calder, Chair

Coastal Otago Branch

The year has been dominated by the Dunedin City Council's 2nd Generation Plan (2GP) and the many elements and submissions the Branch has had to put its resources into. By this, I mean expertise and time predominantly. Branch meetings have been few and far between but branch activity has nonetheless continued in other areas.

Workloads have been pleasantly consistent for the practitioners among us and the University based members continue to provide balance, stability and expertise to the branch. The executive has been active behind the scenes and communication with head

office continues in many forms, be that email, phone or video conferencing.

Highlights of the year include the annual welcoming of the final year students into the profession at the Duke of Wellington establishment at Queens Gardens and the FIG Working Week many members attended in Christchurch in May.

As the 2GP continues through the hearings process, the Branch is being well represented by our 2GP sub-committee who have both submitted on our collective behalf and also attended the pre-hearing meetings on areas the Branch felt positive changes needed to be made. It is encouraging to see many of the public taking part in this process but it is also apparent that surveyor's knowledge and experience brings a much different perspective to these matters.

I would also like to take this opportunity to thank the 2GP committee for their work to date, along with the executive who have assisted over the past year.

Steve Copson, Chair

Southland Branch

The low dairy pay-out has been a blow for many Southlanders and has contributed to a reasonably quiet year in Southland.

Since last years' AGM Southland Branch has had several meetings. This has strengthened relationships between the local surveying community.

A Branch member was sponsored to go to the Wellington conference 2015 and the Christchurch FIG Working Week 2016. Feedback from these members to the branch has been beneficial to all.

We hope to increase our membership this year, to allow the younger generation of surveyors to benefit from interaction with the more experienced practitioners.

As Southland continues to steadily grow we anticipate a promising year ahead. We look forward to working together to provide support and professional development to each other.

Chris Walker, Chair

Hong Kong Branch

At the Branch AGM, June 29, 2016, the Chairman John Barrett commented that it was good to have all five members of the Hong Kong Branch present. He noted that it had been a fairly quiet year for the Branch, with only three social events being held, and only one visit from a former Hong Kong surveyor, Brian Wells on a stopover from Europe to New Zealand. The Chairman said that although the Branch was now small in number, it still had a role to play as the only overseas Branch of the NZIS, and was about the size of some smaller Branches in New Zealand.

He noted that the main work of the four members of the Branch still in practice, was engineering survey work. He was the only member engaged in cadastral survey work, and there was a steady demand for this service in Hong Kong. The meeting also noted that hydrographic, GNSS, laser scanning, topographical, tunneling, geodetic, monitoring, and UAV(drone) applications were all part of their work requirements.

The Chairman thanked the Secretary for his work in maintaining contact with the NZIS HQ, and also thanked Merrin Pearse for organising a tele-link with NZIS administration earlier this year. This was a first for the Branch, and could be used again if required.

Turning to the agenda item dealing with the election of Branch officers, he stated that it was time for him to step down as Chairman, and give another member the opportunity to hold that post. Following discussion TN Wong's name was put forward for election to Chairman, and he was unanimously elected.

TN thanked members for their trust in him, and turned to the election of Secretary and the HK requirement of a third officer to serve as a Committee Member. For continuity it was proposed that Gordon should retain the post of Secretary, and Gary was nominated to replace TN as Committee Member. Both nominations were passed, and the HK Branch committee for 2016/2017 is now:

- Chairman: TN Wong
- Secretary: Gordon Andreassend
- Committee Member: Gary McCauslan.

TN then turned to another agenda item – Overseas Membership of the NZIS. This had been introduced following the recent

admission of a Hong Kong Institute of Engineering Surveyors (HKIES) member, as an Overseas Member. TN said he was very concerned with this unexpected development, as he knew that the HKIES standing as a professional organisation was not recognised in Hong Kong. It was agreed that the matter of Overseas Membership should be taken up with Council.

Members recalled that seven or eight years ago there were applications and acceptance of six Hong Kong qualified land surveyors as Overseas Members. However, soon after it was agreed at the Westport NZIS AGM that the reduced fees for Overseas Membership would be doubled. The HK Branch delegate to the AGM said that this would result in the resignation of local members, and no further interest from local surveyors to join the NZIS. This argument was rejected by the AGM, following the comment that overseas surveyors would gladly join a premium institute such as the NZIS. The result is plain to see today, with not a single local surveyor remaining in the Branch.

The Secretary attended the FIG Working Week 2016 in May, and a report he had written for the UK publication *Geomatics World* was emailed to members.

It was hoped that a member visiting New Zealand in October would be able to represent the Branch at the NZIS 2016 AGM in Wellington.

John Barrett, Chair

Manawatu/Wanganui Branch

No report available.



www.nzspatialawards.org.nz

Professional Streams

Cadastral Stream

The Cadastral Leadership team meets by web-conference on the second Thursday of every month. Members of the Leadership team are:

- Matt Ryder – Cadastral Professional Stream Chair – Taupo
- Richard Hemi – Student Education Liaison – Dunedin
- Darren Hocken – Knowledge Improvement – Christchurch
- Brian Curtis – Cadastral Stream Homepage – Manawatu
- Trent Gulliver – LINZ Stakeholder Management – Wellington
- Karl Wilton – LINZ Stakeholder Management – Wellington

The Stream has welcomed Matt Ryder to the role of Chairman after the retirement of Stefan Kiss from the group. The stream is very thankful of the hard work provided by Stefan while acting as Chair, and equally the team are appreciative of the efforts of Josie Fitzgerald who has also recently stepped down.

Business and projects worked on during the past twelve months have been wide ranging and include:

- Canterbury Earthquake Guidelines
- Maintaining the Cadastral Professional Stream LinkedIn webpage
- Several contributions to the *Surveying+Spatial* Magazine
- Forming the working Group which is now working through the Cadastral Survey Act, with a general focus around Section 52.
- Forming the working group which will work with LINZ in the development of the ASaTS project.
- Working, in conjunction with the Canterbury Branch and National Office on submissions to both the Greater Christchurch Regeneration Bill and the Canterbury Property Boundaries and Related Matters Bill
- The Cadastral Survey of the Year was awarded for the first time at last year's Conference. The award will commence again next year to be presented at the 2017 NZIS conference.
- Working with NZIS CPD personnel in the organisation of seminars

- Recruitment of two Cadastral Examiners. This involved the development of a Position Description, Job Advert and Interview Questions, holding interviews and establishing successful applicants (& notifying unsuccessful candidate).

Looking towards next year, the working groups and consulting with LINZ on the development of ASaTS, the Landonline replacement, will be a key focus. Continuing to drive for improvement within LINZ and for changes to the Cadastral Survey Rules are significant goals and challenges ahead, and we ask all members to do what they can to play a role in achieving these.

Matt Ryder, Stream Lead

Engineering Surveying Stream

The New Year came around and brought with it a raft of small to mid-sized construction projects. Survey companies were inundated with site topographical surveys, subdivision development and infrastructure projects of all shapes and sizes. The cranes appearing on the Auckland skyline were a strong indication that high-rise development was back in full swing. With a few 30+ level buildings underway and a couple of 50's on the horizon together with the announcement of \$2.5b worth of funding for the city rail link, the need for quality engineering surveying expertise was sure to grow, and it did.

The Engineering Surveying leadership group made steady progress towards creating a pathway that will allow engineering surveyors to have their skill and experience professionally recognised by the NZIS. There is a growing need for engineering surveyors to become professionally registered in order to adhere to council and client standards when signing off asbuilt plans, certifications and setting out correctness.

The stream had an open teleconference in March, where all those registered as stream members were invited to attend. Amongst the items of discussion was developing ideas for the growth of the stream, how value can be returned to its members, and how to attract new members from outside the NZIS.

Construction continued to remain strong around the country, especially in the major cities. There are shortages in all technical aspects of construction and surveying is one of them. A step was taken by some branches to start more actively promoting the surveying profession in our schools as a career. Hopefully this can provide a long term solution to the current skilled staff shortages that many of us are facing.

The new Health and Safety legislation came into effect in April, and it became more pertinent know your health and safety responsibilities. WorkSafe were noticeably more active in the initial month. The NZIS ran some CPD training about the new legislation. Health and safety is a major component of our daily work lives and we want to ensure that NZIS members and their co-workers go home without harm every day.

The middle of winter arrived and construction in NZ was breaking all sort of records. Auckland especially was experiencing billions of dollars of construction projects in progress and much more to come, which made it a great year to be an engineering surveyor. Some of the modern challenges of the big projects are the spatial restrictions and complex spatial designs, which only experienced surveyors are competent in setting out. Not to mention the constant advance in spatial capture tools, in which clients are becoming more competent in the use of the output of such tools for more effective design, or continued maintenance of assets.

The Engineering Surveying Stream's continued focus is to aid in the progress of the development of the Registered Professional Surveyor certification, currently provided by the NZIS, but to incorporate its Engineering Surveying members and the expertise and professionalism they bring. We hope to see greater progress around this in the early stages of next year. This revised certification will certainly bring more engineering surveyors into the profession and provide a robust stream, with its value to members ever increasing.

Michael Cutfield, Stream Lead

Hydrography Stream

The Hydrography Professional Stream (HPS) currently has 62 NZIS registered Associate and Voting Members. The stream has been steadily involved in activities throughout the year and represented NZIS during reviews of two technical documents. The following list describes some of the activities undertaken this last year.

- Contributions to Stream News and articles for *Surveying+Spatial* magazine.
- Provided feedback to LINZ on a proposed Policy on Undersea Names.
- Reviewed and provided NZIS feedback for a NZ response to the IHO draft Standards of Competence for Category A Hydrographic Surveyors.
- Stream Members attended FIG Working Week and were rapporteur's for the Hydrography Commission Technical Sessions.
- Supported and advertised the second Trimble Hydrographic CPD training webinar provided free to NZIS and AHS members on using AUV's for Hydrography.

- Commenced communication with Maritime New Zealand in respect to a review of the Guidelines of Good Practice for Hydrographic Surveys of NZ Ports and Harbours.

The HPS membership includes a small number of dedicated people who are active and engaged with Hydrography. Increased involvement in the Stream will take place slowly as the value of being actively involved with the HPS becomes clearer to the remaining members.

Bruce Wallen, Stream Lead

Land Development and Urban Design Stream

This is the first report from the Stream since the Committee was formed last year. Since the last report the Committee has not had a busy year mainly due to the absence of a normal conference in favour of FIG Working Week and member's high workloads in their own businesses, with the Country seeing unparalleled growth, particularly in residential development.

The main areas of interest reviewed by the Committee this year have been;

- The Resource Management Act Legislation Amendment Bill
- The development of a National Policy Statement on Urban Development
- Further review of the Enviro Development model (which was presented at Wellington Conference) with regard to certification of environment friendly developments.

My main aim for the year ahead is to carry out the following initiatives;

- Canvassing the members for specific areas of interest that should be promoted within the Stream including CPD topics and speakers (this Stream has a large membership of just over 250 members).
- Review of the Terms of Reference for the Stream.
- Preparation of material and speakers in this field for next NZIS Conference.

The current Committee is made up of the following members:

- Phil Cogswell (Chair & Council Representative)
- Brett Gawn
- Paul Turner
- Phil Rhodes
- Richard Bromley
- Scot Plunkett.

Phil Cogswell, Stream Lead

Positioning and Measurement Stream

The 2015/2016 year has seen the fledgling Positioning and Measurement (P&M) Stream quickly developing towards maturity: with growth in membership, the establishment of a functional committee and regular communications of resources and educational materials for our members.

The P&M Stream links to members using the NZIS dashboard and our LinkedIn page (<https://www.linkedin.com/groups/6922254>), across both platforms we now have several hundred members. The LinkedIn page remains the best way to interact as a group, as any member is able to post and contribute to P&M stories (we hope to host discussions on this forum over the coming months).

The Stream is represented by a committee of five, who meet monthly by teleconference. Each year the committee select a theme, which becomes the basis of the annual programme. The Theme for 2016 is Network RTK. In support of this theme the committee are producing a white paper on Network RTK, which will be distributed amongst the members toward the end of 2016.

The P&M Stream have regular news stories in *Newslink*, LinkedIn and *Surveying+Spatial*. We have also provided support of the Reference Frames in Practice workshop (held prior to FIG) and facilitated three presentations on the deformation model, which are now available on YouTube:

- <https://youtu.be/0Wh0kDKJ4yw> (part 1 – C Pearson)
- <https://youtu.be/tg1kKhlkIGk> (part 2 – C Crook)
- <https://youtu.be/dvRfEvFyIxl> (part 3 – N Donnelly)

Over the next 12 months the P&M Stream aims to continue to grow, and develop the stream to better represent and communicate with our members. This will include a review of the P&M Stream Terms of reference, business plan and professional qualifications.

Rachelle Winefield, Stream Lead

Spatial Stream

The Spatial Stream has 178 members overall, of whom 53 identify with Spatial as their primary stream.

It has been a year of 'teething' as the relatively new Spatial Stream goes from an establishment phase into a development phase. This includes addressing some of the big, but vitally important, issues that need to be resolved for the Spatial Stream to succeed. We are continuing to address our Work Plan, and are working with the NZIS National Office to further develop and implement some of the focus areas.

Key focus areas for the past year have included:

- Working with spatial representatives from the Board, Council and membership to better define the 'spatial value proposition' for NZIS. This has included considerations

of the changing nature of the spatial industry, and the services that would provide most value to members involved in this industry, cognisant of the other initiatives and developments happening in other spatial industry groups and organisations.

- Discussions around the RPSurv qualification, it's relevance for spatial members and employers, and alternative options for recognising spatial professional competency. This has included considerations of the pathways into the spatial industry, and the diversity and tranches of activities that comprise the industry. Note: As per the agreement with SSSI, we are also supporting GISP-AP certification.
- Ongoing efforts to reach out and raise awareness of NZIS to those in the spatial community.
- A review and prioritisation of activities in the Work Plan for 2016/17.
- Support of events and networking activities including the NZ Spatial Excellence Awards, the NZ Geospatial Research Conference, FIG Working Week in Christchurch, and various branch activities.

Some developing areas for the year ahead include:

- Completing and implementing the communication strategy for connecting with and providing information to spatial members, and a forum to engage with spatial members.
- Completing a review of possible pathways into the spatial industry, and pathways to certification.
- Working with spatial business owners to understand how they would recognise value from professional membership, development, and certification of staff.
- Ongoing development of links with NZIS branches through presentations to branch meetings and by bringing in potential new members – this will be happening over time as we gain greater numbers in the regions.
- Further outreach and increasing awareness of the Spatial Stream, as well as liaison with other spatial organisations to ensure we are supporting and enhancing the industry rather than duplicating effort.

The Spatial Stream Committee includes:

- * Kathryn Salm (Chair)
- * Greg Byrom (Council Co-Rep)
- * Ben Dash (NZIS Regional Branch Exec rep)
- * Catherine O'Shaughnessy
- * Shane Turk
- * Jennifer Ryan
- * Elaine McAlister
- * Jasmine Callosa-Tarr

Kat Salm, Stream Lead

Special Interest Reports

NZIS (Canterbury Branch) Working Group

The Canterbury Working Group was established after the Survey-General released a proposed guidance, in February 2015, to assist cadastral surveyors working in the Canterbury region with correctly locating boundaries in areas affected by shallow surface movement.

The work of the group focussed on providing general technical comments to LINZ relating to cadastral definitions within areas affected by shallow surface movement as a result of the Canterbury earthquakes, taking into account the actual circumstances being encountered within Christchurch. They sought to identify solutions to ensure confidence in the integrity of the cadastre could continue.

The group members consisted of Brent George (Chair), Chris Hawes (Secretary), Rita Clark, Paul Durkin, Darren Hocken, Craig McInnes and Chris Scott.

As a result of the initial feedback from the WG, the proposed guidance was withdrawn to allow for greater consultation and exploration of potential alternatives.

Also resulting from the Group's work was positive input into proposed legislation to acknowledge that boundaries can move with the land following earthquakes. The WG were invited to preview the draft legislation and later contributed to individual and group submissions on the subsequent Bill.

Overall the excellent work of the group affected positive outcomes for Canterbury surveyors not only within the legislation itself, but also in the development and positive acceptance of the *Practice Guidelines for Cadastral Surveying in Areas Affected by Ground Movement Caused by Earthquakes in Canterbury*.

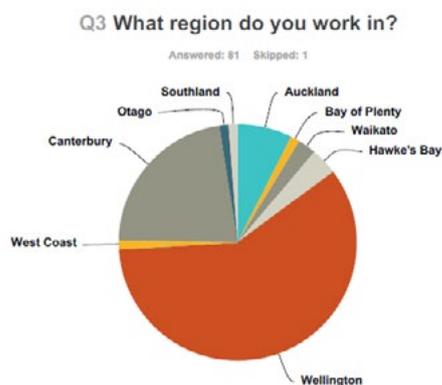


Women in Spatial/Surveying (WIS)

COMMITTEE MEMBERS

Elaine McAlister (GeoEd Ltd), Catherine O'Shaughnessy (Eagle technology Ltd), Pernilla Lofgren (LINZ), Kathryn Salm (Aurecon, Christchurch) Charlotte Dawson (LINZ), Lauren McGee (NZIS), Jan Lawrence (NZIS)

WIS MEMBERSHIP



Membership has increased this last year to just under 300. The highest membership percentage is still in Wellington, however, we have over the last year, expanded into more regions including: Hawke's Bay, Otago, Bay of Plenty and Waikato. You can see the regions covered in the following pie chart taken from a question in the WIS 2016 Survey completed in May.

EVENTS IN 2015

As can be seen from the following list it was very busy in the later half of 2015. We had seven well attended events culminating in a very interesting tour of the 'Unfolding the Map – the cartography of NZ' exhibition at the National Library in Wellington conducted by Roger Smith, the curator of the exhibition. The most well attended event in 2015 was Galia Barhava-Monteith from Professionelle with the ['What stops NZ women from rising to the top'](#) presentation at the WIS breakfast at the esri user conference in Auckland. Unfortunately, we ran short of time in the question/answer session following Galia's talk but it was obvious the topic was well received.

WIS Christmas function 2015 – 'Unfolding the Map – the cartography of NZ' exhibition at the National Library in Wellington

- June – Liz (CEO Statistics) – Inspiring Women Leaders; Inaugural meeting of Hawkes Bay WIS region
- July – Nathan Heazlewood – ‘Career paths in the GIS industry’
- August – Galia Barhava-Monteith – ‘What stops NZ women from rising to the top’
- September – Kate Turner – ‘Making spatial information available within our communities’
- October – Louise Upton – Minister of Land and Women – ‘How to encourage women into surveying’
- December – Unfolding the Map – the cartography of NZ exhibition

EVENTS IN 2016

2016 commenced with an interesting career talk from Alison Andrew the CEO of Transpower, it was great not only to hear about the path travelled to her current position but also to ponder the advice she passed on. This year also saw the first Dunedin get-together, which was held in conjunction with the esri Regional User conference and gratefully received. In May, WIS ran a well attended breakfast at the FIG Working Week in Christchurch. Winnie Shiu’s talk inspired both surveyors and spatial professionals alike. It was great to have such a variety of backgrounds represented at the breakfast; it felt like a true amalgamation of surveying and spatial, and it would be great to have more of these events. Coming up in August is the mid-winter event where Wendy McGuinness will talk about how she started the McGuinness Institute and explain its mandate.

- March – Alison Andrew (CEO Transpower) ‘From engineer to CEO’
- Dunedin – Informal get together
- April – Drew Stephens esri – ‘Women in science’
- May – Winnie Shiu – Hong Kong Surveyor; Field Trip – Somes Island
- July – Movie – The Code “Defying the gender gap
- August – WendyMcGuinness – The McGuinness Institute

FIELD TRIPS

We have had three field trips to date, all have been guided tours and proved popular;

- Kapiti – 2014
- Stonehenge (in Wairarapa) – 2015
- Somes Island – 2016

SOCIAL MEDIA

We are starting to utilise social media more as a means of connecting to both our members and non-members.



Winnie Shiu (front), first female chief Hong Kong surveyor at FIG Working Week May 2016

- [Women in Spatial \(NZ\) LinkedIn](#) group – For members of WIS, but also includes past speakers and anyone (male or female) from NZIS who wants to join.
- [Women in Spatial / Surveying](#) Blog – This was launched earlier this year. Its main purpose is to post event summaries, photos, links to upcoming events and generally interesting articles, videos and research. It’s open for public consumption, with the intention to allow those not in the WIS LinkedIn group an insight into what we do. The intention is to spread our ideas not to remain the best kept secret in the industry!
- Eventbrite – Used to advertise our events and gauge attendance.

NZIS MEMBERSHIP FOR WIS MEMBERS

WIS has just completed the WIS 2016 survey. Category questions included; qualifications, job satisfaction, salary, career interruption, WIS events/speakers and also NZIS membership. We specifically asked “Are you a member of NZIS and if not, why not?” In the 2014



WIS field trip to Stonehenge, where we learned we are all using the wrong star sign and a high percentage of the WIS members were born in October.

survey seven said they were members as to opposed to this year's survey where 22 said they are members of NZIS. It's great we are gaining traction and I think that is due to the reduction in the spatial membership fee to \$100 which was promoted last year.

The survey results have provided the committee with some valuable analysis on why uptake of WIS membership is still slow.

CONCLUSION

- WIS has had another successful year, we've grown in terms of both membership and expanding our meetings into the regions.
- The greatest demand from the regions continues to come from Christchurch where we've been asked to offer more than the current two events a year.
- Members continue to appreciate the value the group offers; the following are a selection of comments from the 2016 Survey:
 - "Really enjoy the networking for this group. Good to find out what is happening in different organisations especially when you don't have a team of GIS people.:"
 - "As a women (who is yet to start a family) my biggest thing is how to have a family life with career development. Seeing someone else succeeding in both career and family inspires me."
 - "I have found being a part of WIS in the past year really valuable. The events are always a great opportunity to network, catch up and hear from some pretty inspiring women – Kate Turner from Waipa was great!"
- WIS membership of NZIS is still low. I believe keeping the fees to \$100 will help this but also we need to be able to succinctly explain the benefits of NZIS to the WIS group. I've asked Mark Dyer to come to the mid-winter event in August to speak about NZIS and try to encourage membership.
- Funding is always difficult. We firmly believe in offering free events and so far have been fortunate to manage on the limited monetary sponsorship and accepting sponsorship in kind, in terms of free venues and speakers.
- We have really appreciated the help NZIS has given us this past year, particularly from Jan and Lauren. As WIS expands so does the work load so the extra help is very valuable.
- I just want to thank NZIS for all your support through the year and look forward to working together and expanding WIS in 2017, all comments are greatly received so please get in contact spatialwomen@gmail.com.

Elaine McAlister, Chair

Consulting Surveyors of New Zealand

On behalf of the Management Committee, it is my pleasure to report the activities of CSNZ for the year ending 30 June 2016.

The executive members elected at the 2015 Annual General Meeting in Wellington were as follows:

MANAGEMENT COMMITTEE

Chairman	Guy Panckhurst of Hawke's Bay
Vice Chairman	Paul Newton of Nelson
Northern Representative	Neale Faulkner of Auckland
Central Representative	Mike Stott of Mt Maunganui
Southern Representative	Carl Fox of Christchurch
Immediate Past Chairman	Geoff Bates of Dunedin
Secretary	Liz Blake
Auditor	Grant Thornton

AREA REPRESENTATIVES

Northland	Denis Thomson
Auckland	Geoff Webster
Waikato/Bay of Plenty	Dan McDaid
Gisborne	Paul Ericson
Hawke's Bay	Guy Panckhurst
Taranaki	Geoff Bland
Manawatu/Wanganui	Kevin Judd
Wellington	Ashley Houghton
Nelson/Marlborough	Terry McGrail
Canterbury	Peter McAuley
South Canterbury	Andrew Rabbidge
Otago Central	Matt Suddaby
Otago Coastal	Geoff Bates
Southland	Don Moir
Westland	Chris Coll

Membership as at 30 June 2016 stands at 278 full members and 19 retired members. This represents 179 member firms.

This financial year saw implementation of the change in membership fee subscription from individual to a tiered model based on company turnover. Members were consulted over an extended period, and the Management Committee is pleased to report that revenue is in line with expectations, and virtually unchanged from the previous model. In addition, the move to company based fee subscription has attracted many new members, as membership itself remains individual.

Changes to the Health & Safety in Employment legislation required CSNZ to update its Health & Safety Manual template document. The Management Committee wishes to thank and acknowledge John Carter's efforts in producing the new independently audited Manual, which was very well received.

At the request of the Institute, Workshop was held in May in conjunction with the FIG Working Week in Christchurch. CSNZ experienced some challenges with delivery this year, but attendees

enjoyed the opportunity to mix with some impressive local and international surveying and spatial professionals. Presentations included business vision and leadership, lessons learned from the Christchurch earthquakes, staff retention, topical legal issues, and an enlightening breakfast address from the CEO of the Christchurch Chamber of Commerce. The great work of Peter McAuley and his local organising committee, along with Fiona Lysaght and Carl Fox is acknowledged.

The 2017 Workshop will be held in Gisborne on March 17–19th, and planning is already underway.

The Management Committee maintains close links with our National School of Surveying through the continued efforts of Geoff Bates, Immediate Past President. It is important to acknowledge and support tertiary education of young surveyors, and for business owners to understand the academic qualifications being gained. These are some of our future staff members, who have recent training and ideas in innovative areas that will be crucial to the future of our businesses.

The 2015 CSNZ Scholarship for the National Diploma in Surveying was awarded to Craig Matheson of the Surveying Company, Pukekohe. Application forms for the 2016 scholarship are available from the Secretary and close on 30 November 2016. The Management Committee has clarified that applications will be considered from candidates who are already enrolled in the NDS, but not from those who have completed their programme of study. The purpose of the award is to encourage completion of the qualification during the period of study.

The Minister for Land Information has announced an ASaTS Cadastral Survey Working Group, of which your Chairman has been invited to be a member. It is pleasing to see LINZ actively engaging with NZIS as significant stakeholders in this important and ground breaking project. CSNZ will take a role in ensuring business interests are properly considered during development.

Other projects for the coming year include completely rewriting and reformatting the Practice Manual, and updating the Standard Terms of Engagement document.

The Management Committee will also be reviewing the strategic direction of the Division, and will seek input from members before finalising a formal strategy document. It is recognised there is a revolution occurring in the uptake and utilisation of spatial data in every facet of our lives. CSNZ members need to embrace this change or we risk being marginalised by other professionals. This will be another focus of the Division in the coming year.

The Management Committee is supported by 15 Area Representatives across the country, and the Committee is appreciative of their contributions. Activity reports from almost all regions indicate that firms are experiencing increased workload activity levels, which is pleasing after recent slow periods of growth.

Finally, I would like to thank the members of the Management Committee, who volunteer their valuable time, and our capable

secretary Liz Blake, for their ongoing efforts to represent the interests of CSNZ members.

Guy Panckhurst, Chair

NZIS Interaction with Cadastral Surveyors Licensing Board of New Zealand (CSLB)

NZIS continued to maintain a close working relationship with the CSLB on behalf of its members during the year. The Board accepts a pass in the cadastral survey components of the Institute's Professional Entrance Examinations as meeting its competency standards for the issuing of a Cadastral Survey Licence. A representative of the Board attends the Institute's Professional Entrance Examinations to monitor the conduct of the examinations. The NZIS will be working closely with the Board when it develops the new professional certification processes currently under consideration.

The surveying profession is represented on the CSLB by its nominees Brett Gawn, who Chairs the Board, and Vicki Nalder. There are two other NZIS members, Tony Nikkel and Merryn Maguire, who are nominated directly by the Minister, and another NZIS member, Neale Faulkner, is the substitute member. The Surveyor-General, Mark Dyer, is an ex-officio member and Marion Miller is the "layperson" member.

NZIS has forwarded nominations to the Minister for new appointments to the CSLB as the current term for members expires this year. There will be at least one new Board member as Brett Gawn has decided to step down after 17 years as a Board member including six as Chair.

The Board licensed 671 surveyors in the 2015/16 year, up from 664 in the 2014/15 year. This continues the upward trend started last year and it is pleasing to see the surveyors are able to respond to the needs of the market for licensed cadastral surveyors.

The Board's annual reports, Standards and other information can be found on its website www.cslb.org.nz.

Royal Society

The Royal Society of New Zealand's (RSNZ) Constituent Members met on 18th November 2015. The main focus of the meeting was improving communication with the Constituent Organisations. Outcomes from the previous meeting relevant to the NZIS included wider involvement of Constituent Organisations in discipline-based forums of the RSNZ; invitations to Constituent Organisations to put their names forward for membership of expert panels of the RSNZ; and a move by the RSNZ for wider engagement with research communities. The first two outcomes are relevant to those in the NZIS who see the benefit of increasing our involvement with the RSNZ; the third is probably more relevant to Otago University Surveying Department staff involved in research. The expert panels are intended to provide expert

advice to the New Zealand public and government, and there may be scope for the NZIS to be involved here.

In comments from the President of the RSNZ, it was pointed out the RSNZ holds memberships of a number of international bodies on behalf of New Zealand. It could be worthwhile the NZIS finding if any of these are of interest to it, and to what extent, and whether membership of additional international bodies might be useful. The RSNZ is clearly interested in becoming more involved with its Constituent Organisations, but much of this involvement seems to be related to Science and Research, and likely to be of limited interest to NZIS, although there may be aspects that NZIS would find of benefit.

The RSNZ holds its sesquicentennial in 2017, and has indicated a willingness to be involved in Constituent Organisation annual conferences in 2017. One involvement could be with the NZIS annual awards ceremony. They might consider being linked with a one-off award for excellence in some aspect of science as applied or relating to Surveying.

The Constituent Organisation members were reminded that the RSNZ meeting rooms are available during the day once each year free of charge, and at a discounted rate at other times.

For NZIS conferences, the RSNZ has offered to list them, along with a call for papers and registration, in THE LINK membership newsletters put out by the RSNZ.

An area where the involvement of the RSNZ could be very useful arose from discussions I had with the representative of the New Zealand Historical Association (NZHA) concerning old survey records. The NZHA recognises the historical value of the records and has concerns about them. On the matter of field books, for example, there are close to 40,000 old field books stored in Hamilton and Christchurch, and some pressure needs to be put on the Minister of Lands to provide funding to get these, along with old plans and other records, properly digitised and made publicly and easily available. Politicians, unfortunately, don't always seem to appreciate the value of the past as a way to prepare for the future and need educating. The Royal Society would be a useful collaborator for the NZIS and NZHA in order to make some progress on this.

The RSNZ is considering more frequent meetings of the Constituent Organisations, possibly once a year, or more frequently if required.

Bruce McFadgen, Royal Society Representative

University of Otago

STUDENTS

A total of 36 students graduated in the Aug 15/Dec 15/May 2016 ceremonies, including one First Class Honours and seven Distinctions. This is a decidedly smaller graduating class than usual, reflecting the small number admitted to the BSurv programme in

2013. Graduating numbers are back to their normal level for May 2017.

The number of students eligible and the number of students accepted into the 1st Professional year of the BSurv was slightly down for 2016. The 41st Intake admitted a total of 66 students from an applicant pool of 75 students. This was made up of:

- 62 entries to the BSurv
- one into the BSc(SURM)
- three provisional acceptances on the basis that certain criteria be passed in 2016.

Nine applications were declined. The average grade for students accepted into the BSurv was a B. Seven entrants are women, 17 identified their ethnicity as non-NZ, and three identified as Māori. The largest number of students came from Auckland (21) and Otago region (13).

Included in the numbers above are two students who were admitted into the third / fourth year of the BSurv and four technicians accepted on the basis of their NDS qualifications.

About 95 students are in the SURV101/SURV102 first year sequence this year, similar to last year.

The number of students taking up an Honours Thesis in 2016 is again very low (four). Overall, this is the case because students do not see the value in the additional thesis work relative to future employment, however the research skills and the additional knowledge gained during the Honours programme should not be underestimated.

The President of Otago University Survey Student's Association, Tayne Raumati, was invited to attend and contribute to the February NZIS Council meeting. This is likely to be an annual invitation.

STAFF

Peter Benfell retired after many years as the School's Microlab IT Manager. We wish him all the very best in his retirement. He was replaced by Kelly Gragg who has been engaged in the academic position of *Scientific Officer, Integrated Surveying and Spatial Data*. This unique position emphasises integration and application of surveying and spatial data from the point of acquisition, through analysis, to archival management, in support of both teaching and research in the School.

Aubrey Miller has been appointed to the new academic position of *Professional Practice Fellow* to replace the Spatial Laboratory Manager. His primary objective is to work collaboratively in the development and delivery of GIS and geospatial paper content in both classroom and distance/online environments. He manages the geospatial facilities within the School of Surveying, including high performance computing, data infrastructures, and datasets for both teaching and research.

Emily Tidey commenced one year of maternity leave in February this year. As a result of this, the paper SURV462 Hydrographic Field Design and Voyage, which is jointly taught by Emily and the Marine Learning Alliance (Portsmouth UK) will be deferred until November 2017 when numbers will be significantly higher than those proposed for 2016.

Adam Campbell came to the School in September last year on a two year Postdoctoral Fellowship with Christina Hulbe to assist in her *Vulnerability of the Ross Ice Shelf* research project.

STUDENT RECRUITING

The School would strongly encourage surveyors to become proactively involved in promoting Surveying as a career to high school students. Companies could 'adopt' a school to build a relationship with the school/career advisor, initiate school visits, offer scholarships, work experience days etc. If each high school has one surveying mentor, it would not only promote the Profession to possible future clients, but would certainly increase the numbers coming to the School of Surveying to undertake our degrees. It has been our experience that a personal approach has far better results than sending written material. It is impossible for us to fill this role.

We continue to promote our programmes via mailings to high school career advisers (maths and geography) and school visits. The University Liaison Officers presented details regarding hydrographic surveying and GIS aspects of Surveying, to high school career advisers. We hosted schools advisers during a visit to Otago, presenting on options in hydrographic surveying and geospatial science, participated in Tertiary Open Day, Hands on Science, and a Day in the Life of a Surveyor activities on campus.

CURRICULUM

The School has restructured the statutory planning papers for the BSurv and Land Planning and Development degrees as a result of the last School Review and to better reflect the importance of the Resource Management Act processes within the Surveying profession. These changes affect the BSurv and the BSc Land Planning and Development major and minor.

- SURV305 Statutory Planning 2 is to be deleted
- A new course SURV205 Statutory Planning A is being created to replace the relevant content from SURV205 Statutory Planning 1 and SURV305 Statutory Planning 2.
- SURV455 Statutory Planning B and SURV555 Advanced Statutory Planning course outlines have minor changes. This paper is to be made a core paper, hence there will still be two compulsory papers in both degrees and they will provide for a higher level of competency in resource management.

NOTABLE RESEARCH ACTIVITIES

The interdisciplinary *Vulnerability of the Ross Ice Shelf in a Warming World* programme has strong School of Surveying leadership, including Christina Hulbe, Greg Leonard, Adam Campbell, Aubrey Miller and Kelly Gragg. This research investigates rate-determining processes associated with deglaciation in the Ross Sea region of West Antarctica.

The *Lidarras* project in Arras, France continues well – a project to laser scan a city of underground tunnels and quarries built by the NZ Tunnelling Company in WWI. Dr Pascal Sirguy, Mr Richard Hemi and Masters' student Chris Page have made good progress with the pilot survey in November 2015, the main survey campaign this year in June and July, and now the data processing of over a thousand terrestrial scans. It is planned to present back to the town of Arras, as well as the stakeholder groups of the NZETC, finished maps, animations and interactive 3d models for future research and historical interpretation by April next year – 100 years after the Battle of Arras.

The School has a strong programme *Crustal Deformation in the South Island* which includes collaborating with GNS Science to measure post-earthquake deformation and the start of new programs to measure postseismic deformation in Christchurch and instrument SI tide gauges.

The School took the lead in helping the Government of Nepal to develop a new geodetic datum following the 2015 earthquake. This NZaid funded project has resulted in Dr Chris Pearson spending ten weeks in Nepal over the last two years.

The School also has a strong interest in helping our Pacific Island neighbours to modernise their geodetic datums. In this regard Chris Pearson collaborated with Bill Robertson on a successful MFAT Participation Fund grant which brought nine leaders from the Pacifica geospatial community including three Surveyor Generals to the FIG Working Week in Christchurch

Young Professionals Group

It has been a busy year for the NZIS Young Professionals Group (YPG) full of exams, conferences, networking and professional development.

The Executive Committee and Branch Representatives have been working closely together to add value for current members and to encourage others to join the YPG. Our presence on social media has increased with our Facebook Page becoming a popular communication technique alongside our newly established LinkedIn Page.

Currently, we are gathering information to update our website and create knowledge database for YPG members to access. We are also looking at ways to coordinate with other Young Professional Groups outside of 'traditional' surveying. The YPG has coordinated networking events with other Young Professional groups such as 'Emerging Spatial Professionals' and SSSI in Australia. We



FIG Young Surveyors Group

will continue to advance the YPG and look forward to supporting our members in the coming year.

Following previous years, the YPG organised group study sessions for the NZIS Admissions Panel Cadastral Law Exam (CLE). Study groups were well attended in Auckland and Christchurch and recordings of these sessions were made available online to those in smaller branches. In total there were 49 candidates of which 41 passed. Feedback was welcome from those candidates. Results gave the YPG a few items to improve on including more support for the branch representatives. The recordings were well received so there will be continued recordings for the next CLE. These won't replace attending the study groups in person though, as they are motivation in themselves to keep up the hard work. A big thank you to all members who gave up their time to impart their wisdom on the exam topics each week. We will be on the recruitment drive again in September so please keep an ear to the ground for the opportunity to facilitate in your region.

The NZIS Admissions Panel Professional Entrance Examinations were undertaken by 21 YPG members between November 2015 and April 2016. Congratulations to all members who have



NZIS Young Professionals at 2015 AGM Dinner

completed their Examinations and good luck to those working towards the fast approaching November exams. Thanks to critical feedback from the candidates who sat the interviews in April, the YPG are continually improving. Keep an eye out on social media and your emails for the chance to join a YPG Professional Entrance Exams Forum during September and October.

A highlight of the year for the YPG was hosting the 3rd FIG Young Surveyors Conference (30 April-1 May) prior to the FIG Working Week. In total 120 enthusiastic young professionals from 20 countries gathered to share and explore new ideas around the theme 'Recovery From Disaster'. Day one consisted of three sessions separated into sub themes: Rescue, Regenerate and Rebound while day two consisted of a Christchurch City tour where conference attendees could see the effects and construction following the Canterbury Earthquake Sequence. The conference was not only rich in content, it was fun, energetic and interactive. It provided a once in a lifetime opportunity for a number of NZIS Young



Melissa O'Brien, 2015 Bogle Young Surveyor of the Year

Professionals to attend and be exposed to the global network of surveying and spatial science.

The YPG relies on the support of the NZIS Membership to assist with the professional development of Young Professionals to ensure the future of the profession. The YPG would like to thank everyone who has contributed their time and support throughout the year.

"Alone we can do so little, together we can do so much"
- Helen Keller

Melissa O'Brien, Chair



Following my father's footsteps, I am currently a Director of Cogswell Surveys Ltd, a company which has its origins in Cambridge over 50 years ago. It was established by my father Ron Cogswell who at the time was a sole practitioner. The business has evolved over the years and is now a Company, currently led by myself and co-director Pete McLachlan, a previous employee. We are a multi-disciplinary consultancy specialising in surveying, civil engineering, planning and project management in the field of subdivision and land development in Cambridge and the greater Waikato area.

My career effectively began in the mid to late 70's working part time in my school holidays as a chainman for my father, having been taught by his regular chainman, a retired farmer. Following a Cambridge High School education, I ventured to Waikato University and eventually was accepted into the Surveying Degree at Otago University. After graduating in 1982, I returned to Cambridge to work in my father's business. Fortunately for me, this era saw the advent of long range EDM and hence a much easier life when it came to completing large rural surveys, which were the majority of our work at that time.

I obtained my registration in 1986 and continued to carry out surveys and land development work in the Waikato area

before buying a half share of the business in 1987. I took over from my father in 1997 and establishing the current Company at this time. I achieved my Registered Professional Surveyor status when this was first introduced and continue to keep up with continuing professional development on a regular basis.

As the title suggests, I have seen some major changes in technology in my many years surveying and have always kept abreast of technology to be able to keep the business at the forefront as a Consultant Company. In this time I have worked on a large number of projects with some of the highlights being:

- The control and setout works for the Hautapu Cheese Factory and internal tunnel (1983).
- Position fixing of coal seam bores in remote bush country which entailed flying in a deer net below the chopper in order to land on bush clad ridges.
- Subdivision of a 400ha rural block into two on the face of Maungatautari mountain in the early 1980's.
- The design and construction of the first major multi Lot subdivision in Cambridge North in the early 2000's (Norfolk Downs – 150 Lots).

- Working with Transpower & Richardson Drilling, the devising and implementation of the setout and as built procedures for the construction and orientation of the large monopole structures through the Waipa District. The 3m diameter holding down frames and bolts were required to be installed with very high accuracy tolerances.
- One of my career highlights has been the recent involvement with the award winning St Kilda waterways project in Cambridge, which is a large standalone greenfield subdivision with strict covenants and eco-friendly building requirements. This community will eventually have approximately 300 dwellings, a commercial hub and a retirement village with care hospital. Once completed there will be approximately 16km of shared paths, a stream diversion and over 100,000 native trees and shrubs planted providing high class amenity surrounding the large residential sections (average size 1600m²).

My involvement with NZIS has been as the Waikato Branch Chairman 1988–1990 and more recently I accepted the role as Chairman of the Land Development and Urban Design Stream and a position on NZIS Council. I have also been an active member of the Consultant Surveyors Division for over 30 years.

On a personal note my interests away from surveying are golf, watching rugby, thoroughbred horse racing and breeding along with stints on various Committees such as the Cambridge Golf club, Cambridge Jockey Club and was a member of Cambridge Lions Club for 10 years.

I have thoroughly enjoyed my career and the experiences along the way and look forward to the future development of the profession as we evolve in the digital world.



Opening ceremony

FIG Working Week 2016 – Christchurch



FIG Working Week
Christchurch
New Zealand
2–6 May 2016



The annual NZIS conference was replaced by the FIG Working Week 2016 held in Christchurch, 3–5 May. The NZIS Local Organising Committee (LOC) and FIG spent four years putting this event together and NZIS is honoured to celebrate the outcomes that were a success at virtually every level of measurement.

The theme of the working week was *Recovery from Disaster*. New Zealand is a (relatively) geologically active country with a history of seismic events and post-earthquake Christchurch was an ideal location from which to consider this theme that was supported by all of the FIG Commissions. National and international keynote

speakers were complemented by the 80 plus technical papers presented.

The week opened on 2 May with 475 international, 160 local and 118 young professional delegates and over 40 exhibitors enjoying a beautiful and uniquely New Zealand 'Powhiri' from the local Ngai Tahu tribe. A descendant of Ngai Tahu himself, Sir Tipene O'Regan – an academic and Chair of the Ngai Tahu Trust Board – followed with a cultural perspective on the sense of place we gain by owning our own heritage and place names and the surveyor's role in helping create this. This was followed by Margareta Wahlstrom, who set the scene with her knowledge of disaster relief requirements and an overview of the Sendai framework and disaster risk reduction and prevention. It was a great start to the week.

Over 72 different nations were represented including some of the leading young professionals which all added to the power of such an occasion. This was a once in a life time event for NZIS members to meet and network with their international FIG colleagues



Sir Tipene O'Regan



Powhiri



FIG charity run

on their home ground and we were fortunate indeed to have over 200 NZIS members, sponsors, partners and exhibitors take advantage of that opportunity. The knowledge sharing was certainly well beyond anything many members have experienced at a conference.

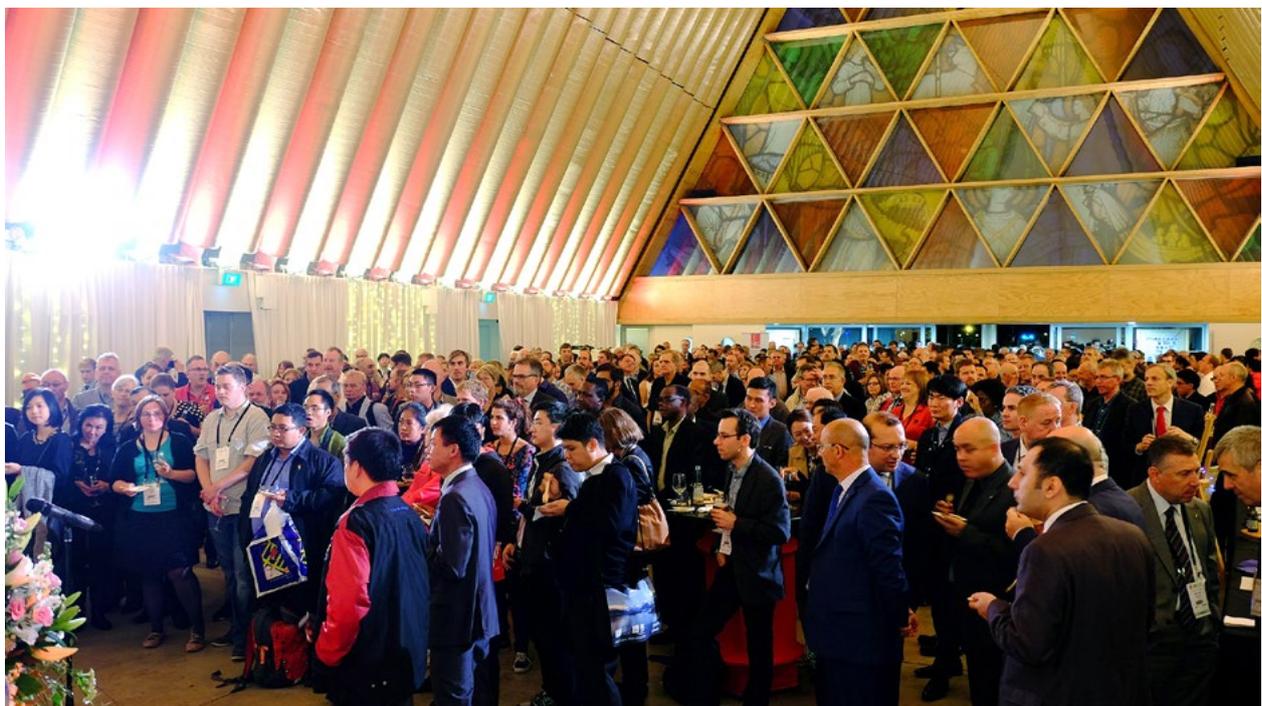
The structure of the event revolved around the LOC with support from NZIS and FIG through representation and reporting. The LOC – under Chair Simon Ironside – were the local supporting foundation for: key aspects of the technical and social programme, commercial partnerships, marketing, mitigation of risk, advocacy for the event and more. The LOC representatives were:

- Mark Allan (NZIS President)
- Simon Ironside (LOC Chair)
- Hadyn Smith (NZIS CEO)
- Shane Dixon (NZIS Canterbury Branch Chair)
- Mandy Train (PCO)
- Alistair Greig
- Amanda Cockcroft
- Jayne Perrin

- Lyndon Telfer
- Mark Myall
- Melissa O'Brien (Young Professionals)
- Michael Martin (CSNZ)
- Todd Airey
- Tracey Thomas (PCO)
- Warren Haynes.

All credit for the success of the week goes to the LOC and the effort put in through work and hours (estimated at 3,995). Their contribution was outstanding and every single task was acted upon and completed with a passion that was not only impressive but also reflective of the journey that started for the majority of members during the immediate aftermath of the 2010 and 2011 earthquakes in Christchurch. Ultimately this was one of the largest and most prestigious gatherings of surveying and spatial professionals held in New Zealand. There is no doubt that it was this effort from LOC that resulted in an outcome that surpassed all projections.

To make a small profit plus covering all of the NZIS costs showed a significant justification for future international event support.



Christchurch 'Cardboard Cathedral'

NZIS Fellows Nominations 2016

Lester Simon Ironside of Christchurch

Nominated by:

Warren John Haynes, Voting member

Alistair Greig, Voting member

Shane Dixon, Voting member

BACKGROUND

Those who believe strongly in the concept of 'service before self' and giving back to the profession can often be those amongst us who have been fortunate enough to have been mentored well and to have had an exciting and rewarding career. They appreciate the benefits they have enjoyed from those who have gone before them and recognise that they themselves have skills that would benefit the profession as a whole.

Simon is the son of a Registered Surveyor. In his early teens his large family moved overseas firstly to Columbia, North Carolina in the USA and then later to Guilford in England. After High School he worked as a chainman for an engineering firm in Columbia that undertook development work not too dissimilar to New Zealand practices. The learning of survey principles continued when the family moved to England but the workplace for the company he joined consisted of not only the United Kingdom but Libya, Jordan and Iran. Unfortunately for Simon his winters were inevitably in the north of Scotland and his summers were in the Sahara Desert.

Eventually realising the opportunities from the survey profession could be more than holding a staff or the end of a tape Simon completed a Higher Diploma in Land Surveying from North East London Polytechnic. In response to the North Sea oil boom Simon spent subsequent years operating out of Aberdeen as a Hydrographic Surveyor in the North Sea oil and gas industry. It was as a time of great excitement with the emergence of new technologies such as GPS, long and short base line acoustics, remotely operated vehicles and scanning sonar introduced or adapted for survey use on rig moves, pipe lay operations and offshore construction projects.

Returning to New Zealand in 1991, Simon joined Trimble Navigation in Christchurch to assist with the software development and user training of HYDRO. Despite the interesting nature of the work and extensive worldwide travel that it entailed Simon decided to return to his survey roots. He enrolled at Survey School in Dunedin in 1995 and completed his B.Surv Degree in 1996. After gaining registration, while working at Christchurch City Council, Simon spent a period at Middleton Williams and then

joined Eliot Sinclair in 2003. Simon currently manages a wide variety of surveying and land development projects and is an Associate with Eliot Sinclair. Like many surveying professionals living and working in Christchurch the Canterbury Earthquake sequence changed everyone's lives. Although stressful Simon would admit this period has been professionally rewarding.

As a Registered Professional Surveyor, Licensed Cadastral Surveyor and Level 1 Certified Hydrographic Surveyor, Simon's professional affiliation and service to the survey and spatial profession has included service to New Zealand Institute of Surveyors (NZIS), the Surveying and Spatial Sciences Institute (SSSI) in Australia and the International Federation of Surveyors (FIG).

Simon's services to the surveying profession commenced with his election to the Canterbury Branch Executive Committee. He served as a Branch Secretary from 1998 to 2002 and then chairman from 2009 to 2012. Simon served on NZIS Council from 2001 to 2003 and in that period chaired the Christchurch based Public Relations Committee.

Simon was chair of the NZIS local organising committee responsible for the Ninth South East Asia Survey Conference in Christchurch in 2007.

In parallel to his services to NZIS and following his Certification as a Level 1 Hydrographic Surveyor by the Australian Hydrographic Surveyors Certification Panel in 1998 he served on the Certification Panel from 2001 to 2010. Simon chaired the SSSI Hydrographic Commission for five years from 2010 and during that time served on the SSSI Consultative Council and was a member of the SSSI Board from 2010 to 2012.

His service to FIG is currently in the capacity of chair for Working Group 4.1 responsible for Standards and Guidelines for Hydrography as part of the FIG Commission 4 (Hydrography) working group.

The success of the recently completed FIG Working Week in Christchurch had its origins for Simon in 2010 when shortly before the September earthquake NZIS Council approached Simon following on from the Sydney FIG Congress to see whether there was local support if NZIS were to host a future Working Week in Christchurch. This approach to Simon followed his successful Chairmanship of the Ninth South East Asian Survey Congress in 2007. The earthquake sequence added subject matter in that it was felt, at the time, that there would be valuable lessons learnt that could be shared with the International Community. Simon attended the Working Week in Marrakesh, Morocco in 2011 with the NZIS contingent and with Simon's assistance a NZIS bid to host the 2016 Working Week was put together and successfully secured in Rome the following year.

Coming to grips with the way FIG operated and influenced content for the FIG annual Working Weeks, to cater for all the different commissions and interest groups, quickly became a priority for Simon. Simon identified and carefully secured each and every one of his Local Organising Committee and over the four-year period from Rome in 2012 until the conference completion in May 2016 he chaired an ever-expanding Local Organising Committee that successfully delivered the largest international survey conference the New Zealand Institute of Surveyors has ever hosted.

Whilst Simon may be quick to deflect the success of this conference to others who stepped in when requested to take responsibility for parts of the program, it was Simon's inspirational leadership, delegation and trust of his fellow professionals that underlined his most recently completed service to the local, national and international survey profession.

It is with pleasure and our heartiest congratulations, that members of the FIG Local Organising Committee of the Canterbury Branch of New Zealand Institute of Surveyors nominate Simon Ironside for the award of Fellow of the New Zealand Institute of Surveyors.

Andrew John Craig Stirling of Auckland

Nominated by:

Mark Dyer, NZIS Fellow

Mark Allan, Voting member

William Robertson, NZIS Fellow

Daniel Williams, Voting member

BACKGROUND

Andrew resides on the North Shore, Auckland and was admitted to the Institute as a Member in 1989. He is a Director of Axis Surveying Consultants, Birkenhead, Auckland and is a Registered Professional Surveyor and Licensed Cadastral Surveyor and a member of the Urban Design Forum.

Andrew is a Past President of the Institute holding this post in 2011/2012. Prior to this he served on the Executive of the Auckland Branch for five years including three years as Chair from 2002-2004. He was elected to Council in 2007 and served as Chair of the Education Committee along with representing NZIS on the Advisory Board to the National School of Surveying at Otago University. He has been the NZIS Board Chairman since 2013.

Andrew graduated from Otago University with a Bachelor of Surveying degree in 1982.

After graduation Andrew worked in the Wellington and Auckland regions in consulting surveying and land development. He became a Registered Surveyor in 1986 after passing the Survey Board professional examination.

Travelling extensively from 1986 to 1989, Andrew worked on building projects in London and oil exploration surveys in Egypt. His work experience from 1992 to 1994 included a variety of hydrographic surveying projects in Singapore, Indonesia, Malaysia, Papua New Guinea and the United Arab Emirates. The summer season of 1993-1994 was spent surveying in the Dry Valleys and at Taylor Dome in Antarctica.

In 1995 Andrew set up Axis Consultants in Auckland with his current business partner. The company provides surveying, resource management and land development engineering services to a range of clients across the Auckland region. Andrew is involved in all aspects of the company's work including project management, resource consent applications, supervision of cadastral and other surveys and engineering design and certification.

Andrew is a significant supporter of the profession and his involvement through various and ongoing roles with the NZIS continue to champion the importance of the surveyor in New Zealand society. Andrew has worked tirelessly in his role as Chair of the NZIS Board and he sits on the Audit and Risk Committee.

Through Andrew's efforts teamed with many others, significant advances have been made in the options and quality tertiary education for the surveying profession.

Andrew was a significant advocate of change for the NZIS, working with other councillors to conceive the new Constitution and Governance Structure with a view to future proofing the NZIS as a viable and relevant professional body for surveyors, the spatial community and society in general.

Audit and Risk Report

The Audit and Risk Committee met in August and October 2015 and February and May 2016.

The committee comprising Jeff Needham, Andrew Stirling, and Mark Goodin, Graham Wigley and Lynda James (Independent NZIS Board Member) was supported by Hadyn Smith NZIS (Secretary).

The committee meets to independently review the financial controls and processes in place and to provide overview for the Council and Board on the reporting of financial position of the Institute. During the year Lynda James and Jeff Needham shared role of Chair until Lynda's resignation from the NZIS Board. The committee acknowledges the valuable contribution of Lynda in the effective running of the committee and wishes her well for the future.

The committee is pleased to support the financial results reported in this Annual Report and notes that an improved overall position has been achieved with end of year income being 2% below budget and end of year expenses being 3% below budget. The net result is an improved overall financial position with closing Equity of \$421,405, an improvement of \$64,416 over the previous year.

Key financial management aspects seen in the performance over the past 12 months include:

- Cash flow management has been exemplary with no surprises of note which has been a foundation element to the final position for financial year
- The successful hosting of the FIG Working Week 2016 which could have posed significant risk to the Institute, potentially financial or reputational. This event was hugely successful and as a result the reputation of the NZIS and its members is highly respected across the international stage of surveying and spatial science
- The effective function the Risk Matrix continues to play a positive role in focusing the Board and others to areas of concern and ensures proactive management for potential risks has meant little or no unanticipated issues have impacted the financial outcome
- The contribution of the independent members of the board is noted by the committee as a significantly positive influence and endorses their ongoing membership

The committee commends the CEO with respect to active management of all financial aspects which has resulted in this excellent outcome. The clean independent auditors report of the accounts endorses the controls and processes in place to ensure

the financial position of the NZIS is well managed and controlled to ensure a sustainable future.

The Chair thanks Mr Graham Wigley for his contribution to the Audit and Risk Committee, it has been of high value to have an independent members input to the oversight of financial running of the NZIS and due to the quality of his contribution a new independent member – Mark Goodin, has been sought and confirmed by the Board as his replacement.

Jeff Needham, Chair



Financial Statements

New Zealand Institute of Surveyors

For the year ended 30 June 2016

Prepared by Pocock Hudson Limited



Grant Thornton

Independent Auditor's Report

Audit

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To the Members of New Zealand Institute of Surveyors

We have audited the accompanying special purpose financial statements on pages 5 to 13 of New Zealand Institute of Surveyors which comprise the statement of financial position as at 30 June 2016, and the statement of financial performance and statement of movements in equity for the year then ended, and a summary of significant accounting policies and other explanatory information.

Council's responsibility for the special purpose financial statements

The Council are responsible for the preparation and fair presentation of these special purpose financial statements in accordance with the accounting policies described in Note 1, and for such internal control as the Council determine is necessary to enable the preparation of special purpose financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an opinion on these special purpose financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing (New Zealand). Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the special purpose financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the special purpose financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the special purpose financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of special purpose financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control.

An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates, as well as evaluating the overall presentation of the special purpose financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Other than in our capacity as auditor we have no relationship with, or interests in New Zealand Institute of Surveyors.

Opinion

In our opinion, the special purpose financial statements on pages 5 to 13:

- present fairly, in all material respects, the financial position of New Zealand Institute of Surveyors as at 30 June 2016, and its financial performance, for the year then ended; and
- have been prepared in accordance with the accounting policies described in Note 1.

Restriction on use of our report

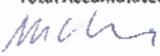
This report is made solely to the Members, as a collective body. Our audit work has been undertaken so that we might state to the Members, as a collective body, those matters which we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Members and the Council, as collective bodies, for our audit work, for this report or for the opinion we have formed.



Grant Thornton New Zealand Audit Partnership
Wellington, New Zealand
12 August 2016

Statement of Financial Position

New Zealand Institute of Surveyors As at 30 June 2016

	NOTES	30 JUN 2016	30 JUN 2015
Assets			
Current Assets			
Accounts Receivable		41,762	29,356
Bank Accounts & Cash		136,357	12,690
Forsyth Barr Cash Management Accounts	2	51,089	45,255
Prepayments		28,729	49,347
Taxation		-	760
Total Current Assets		257,938	137,408
Non-Current Assets			
Fixed Assets	3	9,620	9,614
Investments			
Forsyth Barr Portfolio	4	383,859	379,244
Total Investments		383,859	379,244
Total Non-Current Assets		393,479	388,858
Total Assets		651,417	526,266
Liabilities			
Current Liabilities			
Accounts Payable		46,647	46,007
Employee Entitlements		58,547	37,943
GST Payable		21,106	9,143
Taxation		229	-
Income Received in Advance	5	103,481	76,484
Total Current Liabilities		230,011	169,577
Total Liabilities		230,011	169,577
Net Assets		421,405	356,689
Accumulated and Special Funds			
Accumulated Funds at Year End		416,105	351,389
Special Funds			
Bogle Award		500	500
Fulton Bequest		500	500
Percy Dyett Award		900	900
Research Scholarship		1,200	1,200
State Sector Award		2,200	2,200
Total Special Funds		5,300	5,300
Total Accumulated and Special Funds		421,405	356,689
			
M Allan - President			
Date 12 August 2016			



The accompanying notes form part of this financial statement

Statement of Financial Performance

New Zealand Institute of Surveyors For the year ended 30 June 2016

	NOTES	2016	2015
Income			
Commercial Income		59,546	60,891
Conference Commercial Income		46,750	-
Conference Income		106,212	165,598
CPD/Training Income		122,415	127,142
FIG WW 2016	7	194,358	-
Forsyth Barr Investment Income	8	9,777	38,477
Members Fees NZ		496,470	440,692
Members Fees Overseas		8,780	10,231
NZSEA Income		57,500	58,671
Professional Examinations		21,800	22,550
Publication Advertising		22,219	27,873
RP Surv Fees		89,830	88,472
Sundry Revenue		2,422	2,546
Training Levy		-	38,700
Total Income		1,238,079	1,081,842
Total Income		1,238,079	1,081,842
Expenses			
ACC Levies		-	1,188
Accounting & Xero Fees		4,533	3,595
Annual Conference & AGM		155,606	148,044
Audit Fee		6,310	5,951
Awards		2,030	1,434
Bank Fees & Interest		2,913	2,860
Board Costs		13,061	12,000
Branch Delegate AGM Expenses		4,475	1,894
Branch Fees		17,880	16,310
Commercial Expenses		3,268	4,536
Committee Expenses		-	1,998
Communications		745	1,108
Consultants		-	259
Council Costs		28,202	40,907
CPD/Training Expenses		72,262	51,030
Credit Card Costs		6,896	7,088
Depreciation	3	4,653	4,498
Division Support		-	261
FIG WW 2016 Expenses	9	100,383	47,166
Insurance		5,191	3,702
KiwiSaver Employer Contributions		13,894	11,878
Legal Fees		1,578	11,816

The accompanying notes form part of this financial statement



Statement of Financial Performance

	NOTES	2016	2015
NZSEA Expenses		57,702	58,671
Office Expenses		22,338	12,076
Investment Management Fees		4,379	4,106
Postage & Courier		3,328	3,196
Power		1,766	1,466
Printing & Stationery		5,224	5,404
Professional Examinations		14,593	11,309
Professional Streams		5,207	2,805
Publications		52,365	52,664
Rent		31,296	34,424
Research & Development Burseries		2,000	3,000
Salaries & Wages		490,558	438,351
Sponsorship		1,600	-
Subscriptions NZ		3,554	912
Subscriptions Overseas		3,682	8,257
Telephone & Internet		5,831	8,426
International Travel & Accommodation		4,258	8,783
Website Expenses		17,399	27,633
Total Expenses		1,170,959	1,061,009
Net Profit (Loss) Before Taxation		67,120	20,833
Taxation and Adjustments			
Income Tax Expense	6	2,403	(855)
Total Taxation and Adjustments		2,403	(855)
Net Profit (Loss) for the Year		64,717	21,688

The accompanying notes form part of this financial statement



Statement of Movements in Equity

New Zealand Institute of Surveyors For the year ended 30 June 2016

	2016	2015
Equity		
Opening Balance	356,689	335,001
Increases		
Profit for the Period	64,717	21,688
Total Increases	64,717	21,688
Total Equity	421,405	356,689

The accompanying notes form part of this financial statement



Notes to the Financial Statements

New Zealand Institute of Surveyors For the year ended 30 June 2016

1. Statement of Accounting Policies

The Financial Statements have been prepared in accordance with the requirements of the rules of the Institute. New Zealand Institute of Surveyors has been incorporated pursuant to the Incorporated Societies Act 1908. The financial statements have been prepared for the members of the New Zealand Institute of Surveyors.

Measurement Base

These financial statements have been prepared on a historical cost basis, except as noted otherwise below. The financial statements are presented in New Zealand dollars (NZ\$) and all values are rounded to the nearest NZ\$, except when otherwise indicated.

Changes in Accounting Policies

The External Reporting Board removed authoritative support from "old NZ GAAP" for all year ends with periods beginning on or after 1 April 2015. Having given consideration to its ongoing financial reporting requirements, the Institute will report using a special purpose basis going forward in accordance with the policies set out below. There have been no changes in accounting policies as a result of the transition to a special purpose basis of reporting.

Bank Accounts & Cash

Bank accounts and petty cash are recorded at their closing amount at balance date. An overdraft facility is also in place with a limit of \$5,000. At balance date none of the overdraft was utilised (2015: \$nil).

Accounts Receivable

Accounts receivable are recognised initially at fair value, less an allowance for any uncollectable amounts. Individual debts that are known to be uncollectable are written off in the period that they are identified.

Prepayments

Prepayments include expenditure paid relating to subsequent financial years and also payments made for fixed assets not yet delivered. These prepayments are measured at cost.

Fixed Assets and Depreciation

All Fixed Assets are recorded at historical cost less accumulated depreciation or impairment losses. Historical cost includes expenditure directly attributable to the acquisition to assets.

Depreciation of the assets has been calculated on a diminishing value basis over the estimated useful life of the asset using depreciation rates published by Inland Revenue. The following depreciation rates have been used:

- Office Equipment 30 - 50% Diminishing Value
- Furniture & Fittings 13 - 16% Diminishing Value
- Paintings 0% No Depreciation

A fixed asset is derecognised upon disposal of that asset, any gain or loss arising from the derecognition of the asset (calculated as the difference between the net disposal proceeds and the carrying amount of the asset) is included in the Statement of Financial Performance in the year of disposal.

Investments

All investments are carried at the current market value as at 30 June 2016. Unrealised gains or losses are recognised in the Statement of Financial Performance for movements in the market value and realised gains or losses when individual investments are sold.



Foreign Currency

Transactions denominated in foreign currencies are converted at the exchange rate current at the transaction date. Foreign currency receivables and payables are converted at exchange rates current at balance date. Foreign exchange gains or losses are included as income or expenses respectively in the Statement of Financial Performance.

Accounts Payable

Accounts payable are recognised at fair value and represents the amount outstanding by the Institute to its suppliers as at balance date.

The Institute also has a credit card facility with ANZ, the closing balance of this facility was \$2,186 (2015: \$1,738).

Employee Entitlements

Amounts owing to employees or on behalf of employees to IRD at balance date are recorded on the Statement of Financial Position at cost.

Income Tax

Taxation on investment income has been charged at the applicable tax rate after claiming all due allowances and recognises the current obligations payable to the Inland Revenue Department.

Taxation is not payable on subscription and other income from members.

Goods and Services Tax

All amounts are stated exclusive of goods and services tax (GST) except for accounts payable and accounts receivable which are stated inclusive of GST.

Revenue Recognition

Revenue is accounted for as follows:

Membership Income

Fees and subscriptions are initially recorded as income in advance and recognised in revenue evenly over the membership period. There is no accrual for membership fees receivable at reporting date as payment is voluntary.

Event Income

Entrance fees for functions and events are recorded as revenue when the function or event takes place.

Interest and Dividend Income

Interest income is recognised on an accruals basis

Dividend income is recognised when the dividend is declared.

Other Income

All other income is accounted for on an accruals basis and accounted for in accordance with the substance of the transaction.

Income Received in Advance

Income received in advance in relation to events held in future years is held on the Statement of Financial Position.

Amounts held are stated in Note 5.

Leased Assets

Operating Leases:

The Institute leases office premises and equipment which are classified as operating leases. Operating lease payments are charged to expense over the periods of expected benefits.



Special Funds

Amounts donated or given to the Institute for awards and scholarships are held on the Balance Sheet under Special Funds. The method these amounts arose are neither revenue or expense and are held separate from the accumulated earnings of the Institute.

	2016	2015
2. Short Term Deposits		
Forsyth Barr - NZD Account	41,040	41,397
Forsyth Barr - AUD Account	-	2,967
Forsyth Barr - GBP Account	10,013	891
Forsyth Barr - USD Account	36	-
Total Short Term Deposits	51,089	45,255

	2016	2015
3. Fixed Assets		
Furniture & Fittings		
At Cost	10,702	10,702
Less: Accumulated Depreciation	(8,856)	(8,574)
Total Furniture & Fittings	1,847	2,128
Office Equipment		
At Cost	38,275	33,615
Less: Accumulated Depreciation	(30,931)	(26,559)
Total Office Equipment	7,344	7,056
Paintings		
At Cost	430	430
Total Paintings	430	430
Total Fixed Assets	9,620	9,614
Depreciation		
Furniture & Fittings	281	324
Office Equipment	4,372	4,174
Total Depreciation	4,653	4,498

	2016	2015
4. Investments		
New Zealand Shares	121,680	149,985
New Zealand Bonds	131,349	89,794
New Zealand Property	24,700	-
International Shares	96,908	127,508
International Property	9,221	11,957
Total Investments	383,859	379,244



	2016	2015
5. Income Received in Advance		
Local Authority Surveyors Group	5,000	5,000
NZSEA Funds Held	10,000	11,110
Annual Conference Deposits	-	19,550
FIG 2016 International Federation of Surveyors	-	40,824
Members Fees Received in Advance	84,925	-
Overseas Members Fees Received in Advance	3,556	-
Total Income Received in Advance	103,481	76,484

Income received in advance includes amounts held for the Local Authority Surveyors Group and NZSEA, which are earmarked for the support of NZIS projects. Members Fees for the period starting 1 July 2016 are also held as Income in Advance. In prior years amounts were held for the Annual Conference in October 2015 and FIG Working Week 2016 which was held in May 2016.

	2016	2015
6. Income Tax Expense		
Net Profit on Investment Income		
Taxable Investment Income	16,770	18,857
Total Net Profit on Investment Income	16,770	18,857
Taxable Profit (Loss)	16,770	18,857
Tax Payable at 28%	4,696	5,280
Deductions from Tax Payable		
Dividend Imputation Credits	2,292	2,501
Tax Penalties	-	(522)
IRD Tax Reassessment	-	4,156
Total Deductions from Tax Payable	2,292	6,135
Tax Expense	2,403	(855)

	2016	2015
7. FIG Working Week 2016 Revenue		
NZIS Payments from Prior Years	100,235	-
FIG WW Event Surplus	16,368	-
NZAID Reimbursement	28,101	-
FIG WW 2016 Cost	49,654	-
Total FIG Working Week 2016 Revenue	194,358	-

	2016	2015
8. Investment Income		
Interest Received	8,869	5,861
Dividends Received	7,069	9,881
FIF Dividends	1,973	1,868
PIE Income	2,501	1,279
Realised & Unrealised Gain/Loss on Investments	(10,635)	19,588
Total Investment Income	9,777	38,477



Notes to the Financial Statements

	2016	2015
9. FIG Working Week 2016 Expenses		
FIG Pre Event Costs	69,504	47,166
NZAFD Expenses	30,879	-
Total FIG Working Week 2016 Expenses	100,383	47,166

10. Commitments and Contingencies

Rent of Property

The Institute has entered into leases for premises which expire June 2020 at current annual rentals of \$27,077 plus GST.

	2016	2015
Operating Lease Commitments		
Current	27,077	27,077
Non Current	81,232	108,309
Total Operating Lease Commitments	108,309	135,386



THE NZIS VISION

NZIS Strategic Plan 2016–2017 Key Objectives

The following key outcomes are sought in year two of the 2015 to 2020 NZIS Strategic Plan. The objectives are attributed a percentage weighting that will be used to report at the end of the 2016/17 financial year.

Key Objectives	Score %	Comment
1. Unify the NZIS brand.	1%	All our members need to connect and relate to our brand. New and open debate needs to evolve in the coming year.
2. Improve NZIS diversity.	3%	NZIS has limited numbers of minority groups represented in its membership mix. This will not change overnight but needs some effort in the coming years.
3. Achieve membership growth.	5%	Growth is the foundation of our future and in order to ensure growth, we need to add value and reasons to become a member.
4. Increase NZIS equity.	5%	In 2012 to 2014, NZIS reserves were deliberately used to build the new structure and put foundations in place. We now need to replace those reserves based on the NZIS reserves policy.
5. Increase public knowledge of our profession.	3%	NZIS is growing in its ability to advocate and engage on key issues that are important to members. That ability must continue to grow in 2016/17.
6. Increase leadership capacity.	5%	Our base revolves around volunteers that represent the profession. NZIS must expand and support our leadership base so that the needs and wants of our profession are sustainable.
7. Establish certification at all levels.	10%	Certification is one of the highest priority items for the profession. Although a lot of work is still to evolve in this area, aspects of the system must be rolled out in 2016/17.
8. Increase membership satisfaction.	10%	Another key area that is hard to gain traction around. The questionnaire suggests members are gaining in satisfaction but the historical return percentage of under 30% has to grow so that such a result is both sustained and robust.
9. Strengthen policy and advocacy capability.	10%	Still a large amount of work to be done but the foundations have been set in place and work should progress further in 2016/17.
10. Provide relevant CPD/Training and increase professional events held.	10%	A full CPD calendar has been formulated and feedback sought. The Board is undertaking a CPD and training review and the findings should feed into some robust growth in 2016/17.
11. Complete the implementation of all streams into mainstream membership.	10%	The evolution is complete for several streams but for most people, the operation of a national leadership team remains challenging. A strong focus required.
12. Identify membership gaps and needs.	5%	Working towards a Workforce Shortage Survey in 2016/17 that will give us quality data to develop further.
13. Consolidate our new governance structure	3%	Several initiatives have occurred but have not generally been applied. The development of a NZIS Admin Support Manual in 2016/17 will help achieve this.
14. Develop new commercial connections.	5%	No major NZIS events in 2016/17 will be available to increase this but those with a strong interest in NZIS should continue to be part of the partnership family.
15. Significantly enhance spatial membership numbers.	5%	Some good ideas are being implemented with a focus now on a small number of key support areas.
16. Develop Government and stakeholder engagement strategy.	10%	Initial targets have been progressed and will grow further in 2016/17.
TOTALS	100%	



NZIS would like to thank our
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