

# 2022 Annual Report



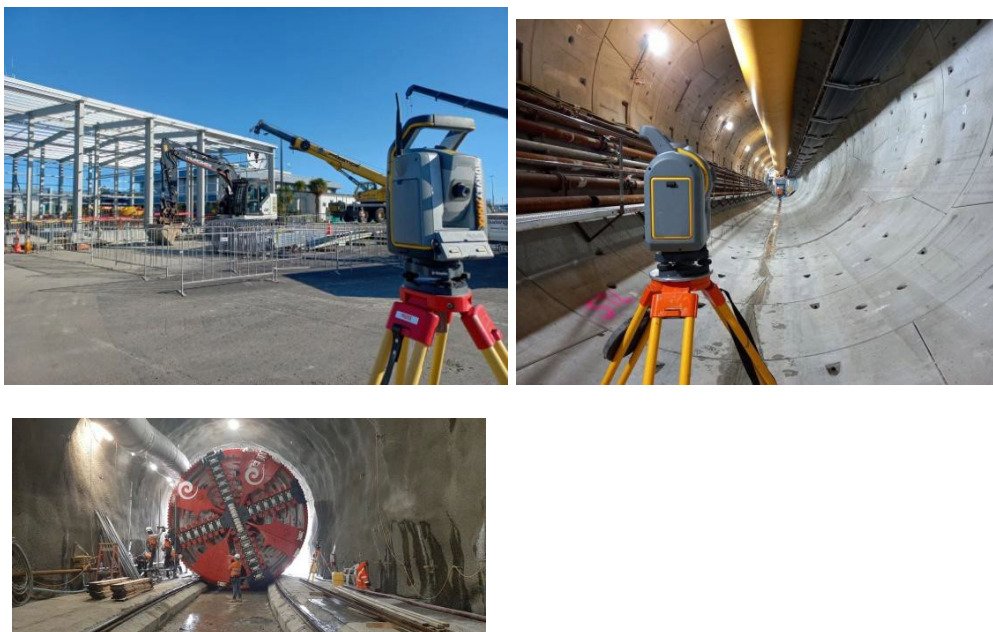
## Professional Streams and Divisions

### Engineering Surveying Stream

This year our stream has been working hard and is very excited to now have a nearly complete certification. After the Board agreed to make certification a priority in 2021, we are now in the final stages of the pilot program, with final approval of the Council pending at the AGM. The certification has been the primary focus of the stream for the past 9 years, with many learnings over that time. Many additional benefits will come, such as an improved CPD program from S+SNZ to ensure certified practitioners remain current. Certified Practitioners will also have the privilege of signing off on Asbuilt surveys with many Local Authorities throughout the country. As the uptake of the certification grows, we envisage this to be a sought after qualification for any organisation requiring a high quality Engineering Surveyor.

Thank you to all involved from the Board, the Council and to those who volunteered their time. A special thank you to Jayne Albiston with the support of Mike Benning who have really understood what our stream required and has done the research and put in long hours to deliver this world standing certification on time.

Meanwhile, construction continues in New Zealand despite all the challenges around the reduced supply of materials and especially the reduced supply of labour. Engineering Surveyors are feeling it as much as anyone as we all work long hours to meet the demands of the construction site, and cover for a reduced work force. But the good news is that salaries appear to be increasing as a result of those dedicated surveyors showing their resilience.



## Hydrography Stream

The Hydrography Professional Stream (HPS) currently has 70 registered members (at Aug 2022), an increase of 1 since Sept 2021. We continue to seek expansion of our membership and CPD activities to other S+SNZ members who also undertake hydrographic work and will benefit from interaction with the professional hydrographers in our stream. The Australian hydrographic survey market, in particular the HydroScheme Industry Partnership Program (HIPP) run by the Australian Hydrographic Office, continues to need qualified and experienced professional hydrographic surveyors. There remains a need for recognised training courses, preferably in the region, to feed this market. In September 2021 an online training course (with practical fieldwork components), run by IIC Technologies, saw six students (3 x female, 3 x male) complete the FIG/IHO/ICA Category B Hydrographic Surveyor S-5B syllabus. Due to COVID travel restrictions two others were unable to complete the practical phase but it is hoped this will be completed in 2023. The course is about to be run again in partnership with Deakin University and an Australian based industry partner. This is sorely needed in this region.

Activities and highlights for the HPS and its members this year:

- Congratulations to Hayes Ballantyne, Kate Downes and Rian Mayhead who were recently certified at Level 2 (CHPS2) by the Australasian Hydrographic Surveyors Certification Panel (AHSCP).
- Congratulations to Jimmy Van de Pauw who was awarded the Streams *Outstanding Hydrographic Surveyor Award* at the conference.
- Stuart Caie, the HPS Lead was awarded the APSEA Professional of the Year, Highly Commended.
- Stream members participated in the joint AHS-NZR/S+SNZ HPS 1 Day Seminar, July 2022. Over 50 delegates attended a full day, with 11 presentations from across the profession from Government, industry, academia, science and Defence. Those attending

included the Australian Hydrographer with members of the Australian Hydrographic Office, and the New Zealand National Hydrographer. A stand-out was the presentation on NIWA's recent project to map the seafloor around the Hunga Tonga – Hunga Ha'apai volcano following its eruption in January 2022. An updated version of this presentation was made at the 2022 Conference.

- Congratulations to Rhys Davies who was awarded the AHS Award of Merit – Career.
- Stream member delivered presentation on *Supporting Aotearoa's Coastal Resilience* to the Australasian Coasts & Ports Conference, April 2022.
- Stream members supporting the LINZ *Women in Hydrography* initiative.
- Continued representation on the Hydrographic Commission National Committee (HCNC) of the SSSI.
- Ongoing support for the AHSCP, the S+SNZ certification body for hydrographic surveyors
- Leading the HCNC review of the Australian Bureau of Meteorology tide course and mapping the content to the FIG/IHO/ICA Standards of Competence, S-5A and S-5B syllabus.
- Contributed to the University of Otago School of Surveying curriculum review.
- Bi-monthly Stream Leadership team meetings includes the Chair of the Australasian Hydrographic Society NZ Region (AHS-NZR).
- Member of 2022 NTC and sourcing hydrographic presentations.
- Stream news and feature articles for the S+S Magazine.



Hayes, Kate and Rian – AHSCP Level 2 Certified Rhys Davies with Kevin Smith, AHS NZR Chair

The HPS leadership team continues to hold bi-monthly video-calls and posting the minutes on the S+SNZ website. The team currently has four members, Simon Ironside, Declan Stubbing, Rhys Davies and Stuart Caie, and we are keen for others to join. Thank you to the leadership team who give a lot of their time to our Stream, we encourage more Stream and S+SNZ members to engage with the HPS.

Stuart Caie, Hydrography Stream Lead

## Cadastral Stream

Over the period July 2021-June 2022, the Cadastral Stream has focused on several different topics. With the Cadastral Survey Rules 2021 transitioning into force over this period, we worked with LINZ to ensure that members were able to transition to the new rules with as much access to support as possible. Over the first half of 2022, Q&A sessions were held with many of the local branches throughout the country.

The group was very pleased to welcome Sheldon McGuire and G  nevi  ve Abrey from the Emerging Leaders program to the Cadastral Stream committee; and a new initiative called the Graduate Surveyor Cadastral Education Program has introduced, which these two have been instrumental in getting up and running. This will help provide direction and guidance to new graduates starting out on their working careers.

Apart from our yearly focus on conference and awards, we also have been looking at how we can better communicate with members. This is a work in progress, and any feedback on preferred communication methods from the stream members, and what people would like to hear about, would be appreciated. Cadastral Corner has also been a regular topic of discussion, and over the year we worked on improving how this was presented and ensuring that the previous articles were still available for members to reference.

Members of the leadership team remain Toni Hill, Trent Gulliver, Richard Hemi, Rita Clark, Matt Ryder and Andrew Blackman. The Council representative remains Karl Wilton, and the Chair remains Hannah Reader. As mentioned previously we also extend a warm welcome to Sheldon McGuire and G  nevi  ve Abrey.

Hannah Reader , Cadastral Stream Lead.

## Technicians Division



While there is much growth planned to enable this division to represent the interests of Survey and Spatial Technicians across all levels, the steps made this year have been positive in the Technician Division's recent re-establishment since NZIS welcomed Technician Surveyors into their organisation for the first time 34 years ago at the 1988 NZIS Centennial Conference in Wellington. This initially gathered momentum with a re-union of a small group of members of the previous and proud NZ Technician Surveyors Association (NZTSA) at the 2018 NZIS Annual Conference in Nelson, followed by the Technician Division role on S+SNZ Council being re-created in 2020.

Significant steps achieved this past year include the following:

- Recognition of the value of work carried out by Technicians in the surveying/spatial professions, where the Technicians Award (for the first time since 1999) was made at the 2022 S+SNZ Annual Conference in Rotorua to Sam Williams, who works as Survey Manager for the Link Alliance on Auckland's multi-billion dollar City Rail Link Project. Sam studied towards the NZ Diploma in Land Surveying, from 1996-1998, at the Unitec Institute of Technology, and his incredible survey efforts, using the full array of modern technologies, also win the "Outstanding Service to the Engineering Surveying Industry" award as well.
- Involvement of many Technician Surveyors in key roles for the current S+SNZ Certification Test Pilot Program undertaken during recent months, where candidates took part in General Professional Competence, Engineering Surveying, and/or Land Development Engineering Certification Test Pilot assessment procedures. S+SNZ Council are now in the process of reviewing the summary report from this program, prior to it then moving to the next phases of adoption/public roll-out. Expect updates on this late 2022/early 2023.
- Invitation extended to 2 of our Technician Surveyors (Sam Williams/Darrell Wymer) to speak at the Trimble Conference in Las Vegas, in November. They will be presenting on their technical



input from their roles as respective Project Survey Manager/Tunnel Survey Manager at the City Rail Link Project.

- Invitation by S+SNZ for Technicians to host some of the “Career Highlight” Continuing Professional Development (CPD) webinars during the September-November period 2022.
- Invitations, and much welcomed privilege, for the Technician Division to be represented at regular CSNZ Division (Carl Fox) and the Tertiary Stream (Richard Hemi) zoom meetings during this past year.
- Commencement of Technician Division zoom meetings, organised by S+SNZ, which has initially included an interim leadership group of more senior members, to update and encourage involvement/participation in the professional development opportunities afforded by being members of S+SNZ.
- Networking of Technicians at the end of the first day of this the 2022 Annual Conference in Rotorua.

There is much work to yet be undertaken in growing this division, within S+SNZ, to a size that will more accurately represent/reflect the large numbers working in NZ.

While the members who sit as current/future applicants for the ES/LDE Certification program will likely have a “spring in their step” in terms of the new career development opportunities, the inclusion of all the other streams in addition to Engineering, being Cadastral, Spatial, Hydrographic, Position and Measurement, Young Professionals Group, Women in Spatial/Surveying, into this Technicians Division, is to be seen as a growth area to be encouraged going forward.

Please note to register membership as a Technician Surveyor/Spatial member, in addition to the preferred (area of interest) Stream(s) on the S+SNZ Membership Profile, either now, or when registering/applying for new membership. That way the division can more easily communicate going forward. At present, some Technician Members are only registered under their Stream, and not also in this Division, which unfortunately makes them invisible within the organisation.

We would welcome feedback and suggestions from members for ongoing improvements to be made to strengthen this Division in the year ahead.

Bruce Walker , Technician Division S+SNZ Council

## Spatial Stream

### Leadership

Jasmin Callosa-Tarr (Chair, 2019)	Jeremy Clark (2022)
Anya Duxfield (2021)	

### Succession Planning

The Leadership Team will seek other members to join and expand the Team with a view to succession.

Five new members have joined the Stream since June 2022, membership now at 167 with combined surveyors and spatial people.

Plan to ask one or two people to join the committee.

**Our SUCSESSES since 1 April 2022:**

- Contributed to the Survey and Spatial Awards on how stream to choose awardees
- We have contributed and feedback on the possible improvements to the Survey and Spatial conference.
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**We've assisted CPD (seminars, workshops, webinars and 2022 conference) by:**

- We have only done one webinar this year and this is on Coordinate Systems.
- We have contributed to the newsletters to promote Spatial topics.
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**Our FOCUS AREAS for the next 6 months are:**

- Promote spatial stream to the wider spatial industry.
- Promote inclusion and diversity at all fronts.
- Promote topical webinars that will contribute to professional development of the stream members.

**PLANNED ACTIVITIES for the next six months include:**

- Webinar on automation/FME
- Contribution to S and Spatial newsletter
- Promote Mentor-Mentee Activities with other organisations.
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**Our TOP ISSUES are:**

List priority issues for Stream:

- Value proposition to organisations and individuals – We have a few Spatial organisations that caters to different needs of people in the Spatial industry e.g. NZEUG, Cartographic Society, NZGiC, Emerging Professionals, Women in Spatial. Companies and individuals also find the registration fees too expensive. There is a need to be promoted and engage with people at conferences and other spatial events. We might need to find balance about the value proposition and the fees that individuals pay.
- We only have a handful of membership in the stream who are actually working in the spatial industry. Most are surveyors whose got an interest in spatial. We need to promote Survey and Spatial NZ to the wider industry. We had difficulty finding an awardee at this year's excellence award.
- We don't feel that we have the balance of airtime in discussing issues in the stream during council meetings. We think that there should be an opportunity for Spatial Stream and WIS to do some planning and discussions as well.
- Due to above we don't have enough people to be nominated for the Spatial awards every year.

## Positioning and Measurement Stream

**The P&M Stream Leadership Team**

Bruce Robinson – Chair (Auckland) – *Workshop team, Resilience team, Stream Engagement,*  
Paul Denys (Otago)  
Chris Pearson (Otago) – *S+SNZ Conference,*

Todd Airey (Christchurch)– *Resilience team, Workshop 2022.*

Rachelle Winefield (Wellington)

David Stewart (Taupo)

Sam Hackett (Auckland)

Daniel Muir (Napier)

Cameron de Leijer (Wellington)

Mick Lister (Auckland) .

### Activity Areas

1. P&M + Eng. Stream Workshop.

Rescheduled for November 2022, due to Covid cancellations.

2. S+SNZ Emergency Response

Lead Stream for S+SNZ emergency response, includes MOU signed with LINZ to provide support /backup in a National Emergency if required.

3. Outreach

Discussion with Cadastral stream over supporting upcoming webinars

Datum webinar for Spatial Stream August 2022

Vertical Datum 16 presentation for Local Government conference

4. S+SNZ working groups

Represented on the Future of Surveying & CPD working groups

Bruce Robinson, Stream Lead.

## Women in Spatial/Surveying

From: Charlotte Dawson/Kirsty Mackie WIS, WOMEN IN SPATIAL 6/10/2022

Leadership [insert committee names and year elected]		Our <b>FOCUS AREAS</b> for the next 6 months are: <ul style="list-style-type: none"><li>• Grow networking events, resuming after Covid disruptions</li><li>• Build the Auckland Chapter</li><li>• Partner with other geospatial groups to carry out a survey on the profession.</li></ul>
Charlotte Dawson (Chair, 2021- Aug 2022 – Maternity leave from August)	Kat Salm (General Committee) 2021	
Emma Berryman (Chair, 2022 while CD on Maternity leave)	Amy Tay (General Committee) 2022	
Kirsty Mackie (Communications and Marketing, sharing chair responsibilities, 2022 while CD on Maternity leave)	Louisa Bloomer (General Committee) 2021	
Elaine McAlister (Vice Chair, Treasurer 2021)	Megan Walker (nee Wyllie) (General Committee) 2022	
Lauren McArtney (Secretary 2021)	Tracey Mauchlen (General Committee) 2021	



<p><b>Succession Planning</b></p> <p>WIS Committee have a Planning Day Jan/Feb each year to discuss schedule of events for the year and vote in new members and reassess the committee roles as per the Terms of Reference. Kirsty and Emma covering Chair in CD absence.</p>	<p><b><u>PLANNED ACTIVITIES</u> for the next six months include:</b></p> <ul style="list-style-type: none"> <li>• GIS Day Networking event 16<sup>th</sup> November in Wellington and Auckland in partnership with NZ Esri User Group and Emerging Spatial Professionals. Potential for events in other regional centres.</li> <li>• Wellington Xmas QUIZ hosted by Stantec December 1st</li> <li>• Potential Auckland Xmas Quiz</li> <li>• Planning Event 2023 Jan/Feb in Wellington date tbc</li> </ul>
<p><b><u>Our SUCCESSES</u> since 1 April 2022:</b></p> <ul style="list-style-type: none"> <li>• Many Successful Networking events aligned with conferences which are back up and running</li> <li>• First Virtual event to start 2022 with great feedback especially from regional members</li> <li>• Auckland Chapter opened with successful lightning talk event in August.</li> <li>• New committee members joined in Auckland to lead this new chapter</li> <li>• Wellington Lightning talk event with Virtual option well attended despite covid.</li> <li>• Emma and Kirsty covering Chair position in Charlotte's absence.</li> <li>• Website Refresh – looking at developing this further.</li> <li>• Open to collaborations or any assistance with emphasising our Auckland Chapter.</li> </ul>	<p><b><u>Our TOP ISSUES</u> are:</b></p> <p>List priority issues for Stream/Division</p> <ol style="list-style-type: none"> <li>1 Sponsorship</li> <li>2 Attendance at events, especially getting our Auckland Chapter off the ground.</li> <li>3 Including regional WIS members</li> </ol>
<p><b>We've assisted <u>CPD</u> (seminars, workshops, webinars and 2020 conference) by:</b></p> <ul style="list-style-type: none"> <li>• Hosting seminars at SSNZ Conference, NZ Esri Conference and via Web.</li> <li>• Hosting Lightning talk events with opportunities for professional development.</li> </ul>	<p><b><u>ASSISTANCE SOUGHT</u></b></p> <p>Type of assistance needed with your activities (CPD, coms, issues etc)?</p> <p>Sponsorship for events</p> <ul style="list-style-type: none"> <li>• Promotion of events and network to SSNZ members.</li> <li>• Help with Auckland chapter events would be great – more in terms of communication from SSNZ rather than just financial.</li> </ul> <p>From whom? n/a</p> <p>When? 2023</p>
<p><b><u>We've COMMUNICATED</u></b></p> <ul style="list-style-type: none"> <li>• Directly with our stream/division members on: <ul style="list-style-type: none"> <li>- Upcoming events,</li> <li>- networking opportunities</li> <li>- webinar links</li> <li>- job opportunities</li> </ul> </li> <li>• more widely (including publications) on: <ul style="list-style-type: none"> <li>- LinkedIn and our website. Looking to contribute to magazine</li> </ul> </li> </ul>	
<p><b><u>We've contributed to LETTER OF EXPECTATION PRIORITIES</u> by:</b></p> <ul style="list-style-type: none"> <li>• Supporting the Spatial Stream committee members to grow by promoting events to our members</li> <li>• Raise awareness in diverse work we do in this profession</li> </ul>	

by hosting lightning talk events where members promote their work.

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