



## Professional Stream Reports

### CADASTRAL STREAM

It has been a year of anticipation for the cadastral stream awaiting the final publication and implementation of the new Cadastral Survey Rules 2021. We are now in the transition period where surveyors can submit cadastral surveys in terms of the old rules or the new rules. The stream has been involved in consultation process for the rules from the outset, providing members for the stakeholder reference group, providing feedback on proposals, collating submissions from members, and more recently, delivering a seminar on new rule requirements for the submission of field information.

We are now focussing on what is ahead including continued involvement in the STEP project to rebuild Landonline via a stakeholder working group, working with ICS to produce a good survey practice guideline, providing input into the CSLB review of the licensing process, continued liaison with LINZ, provision of education on cadastral matters, and providing support to help our members adapt to the new rules.

The Cadastral Leadership Team meets by web conference on the second Thursday of every month.

Members of the Leadership Team are:

- Hannah Reader – Cadastral Stream Chair – Central Otago
- Karl Wilton – Cadastral Councillor – Wellington
- Richard Hemi – Tertiary Education liaison – Dunedin
- Trent Gulliver – LINZ Stakeholder Management – Wellington
- Toni Hill – Auckland/Waikato
- Matt Ryder – Taupo
- Rita Clark – Christchurch
- Andrew Blackman – Auckland

Business and projects worked on during the past 12 months have been wide ranging and include:

- Contributing to the Survey and Title Enhancement Programme (STEP) working group
- Submission on the Draft Rules for Cadastral Surveying
- National Technical Committee (NTC) Representation
- Surveying +Spatial Magazine articles

- Cadastral Dataset Checklist proposal
- Providing feedback on the LINZ fee review
- Running the Cadastral Stream service award and Cadastral Survey of the Year awards
- Providing feedback and opinions on LINZ panels as requested
- Providing input into the CSLB review of licensing competencies and examination review

We welcome feedback and suggestions from our members for any continuous improvement we can look to implement and would ask members to do what they can to assist us achieving all that we can.

Karl Wilton, Stream Chair.

## HYDROGRAPHY STREAM

The Hydrography Professional Stream (HPS) currently has 69 registered members (at Sept 2021), a decrease of four since Sept 2020. 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 Hydro Scheme Industry Partnership Program (HIPP), continues to need qualified and experienced professional hydrographic surveyors. There is a need for recognised training courses to feed this market. A new online training course is now being delivered in the region by IIC Technologies, with a second looking to enter the market. This is sorely needed in this region.

Activities for the HPS this year have included:

- Stream news and feature articles for the S+S Magazine.
- Continued representation on the Hydrographic Commission National Committee (HCNC) of the SSSI.
- Review of NCEA Levels 4 & 5 hydrographic surveying syllabus with Connexis. Level 4 syllabus published, Level 5 awaiting approval from NZQA.
- Supporting certification pathways by reviewing NCEA Levels 4 & 5 as a pathway to attain Australasian Hydrographic Surveyor Certification Panel (AHSCP) Level 2 certification
- Delivered presentation at the [Satellite Derived Bathymetry \(SBD\) Day 2021](#)
- Continuing bi-monthly teleconference calls which include representative from Australasian Hydrographic Society (AHS) NZ Branch
- Stream members participated in the AHS NZ Branch 1 Day Seminar, July 2021.
- Stream member delivered presentation to the Engineering Stream.
- Member of 2021 NTC and sourcing hydrographic presentations
- Presented webinar instead of 2020 Conference: Challenges in Collecting & Processing Data in the +10m to -10m Zone
- Organised webinar on A Global Bathymetry Map, presented by Brook Tozer, GNS.

The HPS leadership team continues to hold bimonthly video-teleconferences and posting the minutes on the S+SNZ website. A Vice-Chair role was established in 2019 to support succession planning with the intention that the Vice-Chair takes over the Chair role after the allotted term.

The leadership has seen two long-term members step down, Bruce Wallen in November 2020 and Maurice Perwick in September 2021. Their involvement and passion for the Stream will be sorely missed. In addition, Maurice has retired but will remain involved with the profession, hopefully in a mentoring role. 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.

A special congratulations to Emily Tidey who was the recipient of the Stream Professional Excellence Award, well done. And remember, without us, you wouldn't have your coffee!



*Emily and stream colleagues at the Professional Excellence Award dinner in August 2021.*

Stuart Caie, Hydro Stream Lead

## **ENGINEERING STREAM**

### *Covid*

Our members are more sensitive to Level 4 lock downs than most, because the majority of our daily work is site based. So, for the first few days of Level 4, the Engineering Surveyors had an opportunity to catch up on CAD work, finish some reporting, or just clean the wagon. Then as the weeks progressed, we enjoyed the break. As Auckland remained in Level 4 for 5 weeks, we were all itching to get back in the field at Level 3, and unsurprisingly, the previous 5 weeks of work did not go away and was piled up ready for us to get stuck in again. As for Engineering Surveying business owners, they had to really tighten the belt when the country went into Level 4 on 17/8/21, as the cash flow all but dried up. But in general, once Level 3 returned, and the business opportunity returned, the Surveyors who made sacrifices and did what they had to have been rewarded for their loyalty.

*Engineering and Positioning Workshop*



On 16/4/21, the Engineering Surveying Stream once again joined forces with the Positioning and Measurement Stream to host the fourth annual *Engineering and Positioning Workshop*. This year it was held at the Ellerslie Events Center in Auckland. The usual Auckland venue at the Auckland Airport Novotel was not available due to it being used as an MIQ facility. Our previous workshop was held in Christchurch 2019, pre-Covid, so this time in 2021 it was back to Auckland, and we managed to dodge a Covid lockdown. This venue was much larger than what we were used to and provided plenty of space for delegates and exhibitors. As always, the standard of the presentations was to the highest standard and we thank again those presenters who brought their knowledge and passion to share with the delegates. We all left the event feeling uplifted, by both walking away with some new knowledge, and by once again re-connecting with colleagues.

### *Certification*

We are fortunate to have engaged the services of Jayne Albiston, who has been contracted by S+SNZ to develop the new certifications for both our stream and the Land Development stream. She has been focused on developing the structure for the Engineering Surveying certification, together with input from the stream chair (Michael Cutfield). The review committee, led by Mike Benning, is ensuring that progress is made, and deadlines are met. We are happy to say that Jayne has done excellent work with this, and we are on track to having our first Certified Engineering Surveyors in 2022.

Stream Chair, Michael Cutfield.

## **POSITIONING AND MEASUREMENT**

### **The P&M Stream Leadership Team**

Bruce Robinson – Chair (Auckland) – *Resilience team, Stream Engagement*,  
 Paul Denys (Otago) – *Stream Engagement*,  
 Chris Pearson (Otago) – *S+SNZ Conference*,  
 Todd Airey (Christchurch) – *Resilience team*  
 Rachelle Winefield (Wellington) - *Stream Engagement*  
 David Stewart (Taupo) - *Workshop team, Stream Engagement*  
 Sam Hackett (Auckland) - *Workshop team*  
 Daniel Muir (Napier) – *Stream Engagement*

### **Succession Planning**

BR – term expires Nov 2022, look to committee early 2022 for replacement.

## SUCSESSES since 1 Nov 2020:



### 2. Resilience



Plan created; documentation worked on.

Invited to an Emergency exercise in WEL 24/03/21

CSNZ support - LINZ support.

Needs FINIAL Council approval

## CPD (seminars, workshops, webinars and 2020 conference) by:



GNSS Workshop

### 2. 2021- Webinars.

Presented – Utilising Lidar Terrain Data for Surveyors

Planned – UAV rules/regulations (Oct/Nov)

## COMMUNICATION



Work hard to encourage this – as we feel as a stream, we can collaborate with all other streams.

Engineering Stream – Close ties, workshop & certification

Cadastral Stream – On going discussions.

Spatial Stream – None

Hydro Stream – Part of Resilience plan

Land Development Stream – Discussions.

Young Professionals – Opportunities to better support licensing still need to be investigated.

CSNZ – Engagement as part of Resilience plan.

### 2. Intra Stream Communication



Needs more effort! Ball dropped this year.

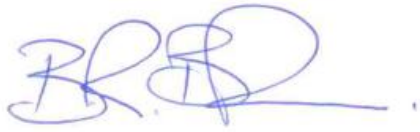
Last Survey of stream members Sep 2020 (needs to be run early 2022)- helps define what we focus on (including workshop)

LinkedIn 225 followers September 2020 NOW 286 followers September 2021

## FUTURE FOCUS



1. Better Stream Communication
2. Better Branch Communication
3. Workshop 2022
4. Closing off resilience – moving to new focus area.



## **SPATIAL STREAM**

The New Zealand Spatial community continues to expand as more on more industries recognise the value that spatial information can provide. Expansion of the wider industry is positive, however support and representation is very fragmented. This provides a significant opportunity for the S+SNZ to help bring spatial professionals from many industries together. It is now also increasingly common to see spatial divisions and capability within the larger firms that form the traditional base of S+SNZ.

The stream must generate increase participation from its members but to do this the stream will need to engage more with these and other members to ascertain what they require. Currently the committee is comprised of 5 people, but with little outside assistance minimal services are being provided to stream members. The Stream is driving a mentorship culture between NZEUG, Geospatial Capability, and Emerging GIS Professionals and attends and participates on the Geospatial capability working group (run by Land Information). Stream committee members have also contributed to several articles published in the Survey and Spatial Magazine. However, the impacts of Covid has meant that planned seminars never eventuated.

On a more positive note, the refresh of the Awards was a welcome opportunity to recognise significant contributions to the stream. Elaine McAlister took out the top spatial award largely on the back of years of effort establishing “women in spatial”. This division is going from strength to strength, and shows that spatial representation and capability in S+SNZ is necessary.

The Stream is looking for more members, especially those that would like to participate in its leadership. The last two years saw the role of the stream chair and council rep shared, although this has reduced the workload on a single person it has created communication issues and meant that with no “single” view of the stream action on some aspects and responsibilities were often undertaken reactively and at the last minute. It is envisaged that the upcoming term for the chair and council rep will be merged back together again.

Andrew Clouston, Stream Chair.