

Position Description

Title	Senior Hydrographic Cartographer
Business Group	Location Information
Reports to	Manager Hydrographic Data and Products
Location	Wellington Office

About LINZ and your team

Land Information New Zealand (LINZ) makes sure New Zealand has accurate information about where people and places are, that people have confidence in their property rights and Crown property is well managed for future generations.

Our responsibilities include managing land titles, geodetic and cadastral survey systems, topographic information, hydrographic information, managing Crown property and supporting government decision making around foreign ownership.

Location Information contributes to the LINZ goal of a tenfold increase in the value of geographic information by developing and managing new and existing data about our land and seas. These are released online, through the LINZ Data Service, for others to use and reuse. Using this data, we provide products and services (maps, charts and the geospatial reference system) to support critical national functions, such as emergency services responses and maritime safety.

Our BEST Values

Our BEST values underpin everything we do:



We take personal responsibility to be better every day. We're courageous, agile and unafraid to fail.



We're among the best in the world, but never take that for granted. We're passionate about reaching our potential.



Manaaki connects us. Our diversity is our strength. We back each other, challenge and keep each other safe.

The New Zealand Hydrographic Authority (NZHA), within LINZ, is responsible for the provision of navigational safety information under international Safety of Life at Sea (SOLAS) conventions. We also collect, manage and share marine geospatial information to support New Zealand's wider blue economy.

The Senior Hydrographic Cartographer provides technical leadership in the operational delivery of hydrographic source data and navigational products. They are responsible for ensuring information is well managed and maintained, navigational safety products are fit for purpose and business processes are optimised.

What you'll do

Key accountabilities

- Shaping and delivering the annual chart program in collaboration with others
- Managing the operational activities of the chart program – including prioritising deliverables and the work plan
- Providing technical leadership for hydrographic production source data and navigational safety products and services
- Leading and/or contributing technical expertise to business improvement projects
- Managing, maintaining and quality checking hydrographic production source data and navigational safety products to agreed standards and specifications
- Managing the publication of Notice to Mariners including the assessment of Maritime Safety Information
- Identifying opportunities for business improvements
- Ensuring quality control processes are effective
- Actively contributing to International Hydrographic Organization (IHO) Standards relating to navigational safety data and products
- Actively sharing knowledge and technical expertise within NZHA and more widely
- Coaching and mentoring developing staff as required in NZHA and more widely to build capability
- Shaping and delivering the strategic digital transformation programme of work for NZHA, in collaboration with others
- Responding to customer queries appropriately
- Considering customer needs in all the work we do, and driving solutions to meet those needs
- Building and maintaining relationships to develop understanding of customers navigation product and data requirements
- Liaising with outside organisations, authorities, customers or contractors on complex technical matters

- Identifying relevant international and national trends and emerging issues and understanding how they impact the NZHA
- Maintaining appropriate records and adhering with LINZ policies
- Working in a health and safety manner, in order to protect yourself, and the wellbeing and safety of others, in whatever capacity they work for, or engage with LINZ. This includes actively participating in the development and continuous improvement of safe work practices

Who you'll work with

Direct reports

- None

Key working relationships

- Hydrographic Data and Products team and wider NZHA
- External contractors
- Data providers
- Product validation and distribution suppliers
- Customers and stakeholders
- National hydrographic offices
- Other leaders and teams within LINZ

What you'll bring to LINZ




Qualifications and experience

- Proven experience leading the operational production of hydrographic products and services
- Proficient in the maintenance and production of hydrographic data and all navigational safety products, including complex and specialist work
- A strong understanding of spatial data concepts, data management and database schema fundamentals
- Proficient in Caris HPD software, ENC validation software, image processing software, or equivalent hydrographic processing software. Caris BDB would be an advantage
- Proven experience leading and managing technical projects and awareness of Agile project methodology
- Knowledge and experience applying International Hydrographic Organization (IHO) standards
- Nautical Cartography Category B training, or proven related experience
- A relevant tertiary qualification in a related discipline
- Knowledge and experience in GIS theory and application
- Experience developing and refining automation processes, python and / or SQL knowledge would be advantageous



Your leadership competencies





Everyone has an important leadership role to play at LINZ. The Leadership Success Profile describes the leadership competencies that will enable you to be successful in your role, align with our BEST values and help LINZ to be a high performing organisation.

Leadership competencies for everyone at LINZ

BEST leadership competencies			How you bring your BEST
	Achieving ambitious goals	Demonstrate achievement, drive, ambition, optimism, and delivery-focus; to make things happen and achieve ambitious outcomes.	<ul style="list-style-type: none"> Working with pace and urgency Making things happen Being passionate about driving success Celebrating achievements
	Engaging Others	Connect with and inspire people; to build a highly motivated and engaged workforce.	<ul style="list-style-type: none"> Showing care and respect for others Valuing diversity Backing others to succeed
	Resilient	Show composure, grit, and a sense of perspective when the going gets tough; to help others maintain optimism and focus.	<ul style="list-style-type: none"> Being optimistic Demonstrating composure Being open to failure and learning from it

Top leadership competencies for your role

BEST leadership competencies			How you bring your BEST
	Leading with influence	Lead and communicate in a clear, persuasive, and impactful way; to convince others to embrace change and take action.	<ul style="list-style-type: none"> Influencing up, down and across Sharing skills and knowledge Being an champion of change
	Enhancing organisational performance	Drive innovation and continuous improvement, to sustainably strengthen long-term organisational performance and improve outcomes for customers.	<ul style="list-style-type: none"> Striving to be better everyday Being creative Growing from mistakes

	Managing work priorities	Plan, prioritise, and organise work; to deliver on short and long-term objectives across the breadth of their role.	<ul style="list-style-type: none"> • Focusing on what's important • Balancing BAU and long term objectives • Taking time to have fun
	Self-aware and agile	Leverage self awareness to improve skills and adapt approach; to strengthen personal capability over time and optimise effectiveness with different situations and people.	<ul style="list-style-type: none"> • Owning own development • Asking others for feedback • Being adaptable, agile and dynamic
	Leading strategically	Think, plan, and act strategically; to engage others in the vision, and position teams, organisations, and sectors to meet customer and future needs.	<ul style="list-style-type: none"> • Looking up, out and across • Connecting with the bigger picture • Meeting future customer needs
	Enhancing system performance	Work collectively across boundaries; to deliver sustainable and long-term improvements to system and customer outcomes.	<ul style="list-style-type: none"> • Collaborating across the system • Being adaptable, agile and dynamic • Being passionate about sharing our skills and what we know

HR Delegation	Financial Delegation	Position Description last updated
N/A	N/A	February 2020
Refer to LINZ Delegations documentation for further information		