



Moorings Northland

Houhora - Bay of Islands - Whangarei

Moorings Northland is Northland's leading specialist swing moorings service provider and holds "approved contractor" status with the Northland Regional Council (NRC).

Moorings Northland has been under new ownership and management since November 2011.

This pamphlet is packed with important information about swing moorings and our improved service.

Our Services...

- We provide NRC inspection and compliance certificates;
- We service and upgrade existing swing moorings;
- We install new swing moorings;
- We relocate moorings / adjust swing areas;
- Only we offer PHOTOGRAPHS of your mooring;
- We design, engineer and install cyclone moorings;
- We rent, buy, sell moorings (web based market place);
- We arrange divers to recover sunken moorings;
- We provide resource consent and mooring transfer advice

Please call (09) 402 6939 to discuss your needs or visit our website: www.mooringsnorthland.co.nz

Our website has more information about our services, fee and cost structure, mooring standards, products, information on chain and mooring components etc.

Our services are delivered using experienced personnel working to professional standards. Our goal is to provide you with excellent communication, a safe, secure and hassle free mooring. Following our inspection and service, your mooring will comply with safety and technical standards set by the NRC and a certificate will be issued. An inspection certificate will also **validate your boat insurance**.

We are based in the Bay of Islands and operate throughout the year with annual trips to Mangonui, Whangaroa, Whangaruru, Tutukaka and Whangarei. Houhora is serviced every 3 years. We visit other coastal areas along these routes subject to weather and sea conditions.

Moorings Northland delivers market leading standards and practices.

Mooring Service Fees and Cost Structure...

We balance **quality and value** meaning you pay a reasonable price for the best possible workmanship, engineering design and highest industry standard components. As a result your mooring asset will last longer and be more economical to maintain in the long term, and above all, **you can sleep soundly** on a stormy night.

Our inspection and service costs are in two parts:

1. **Lift and Inspect**

a) **\$150 (plus GST) for moorings in the Bay of Islands and Whangarei.**

b) **\$185 (plus GST) for moorings in all other areas.**

This covers our **travel** to your mooring, the **lift and inspection** itself, **certification, PHOTOS, administration** and **NRC liaison**.

Our qualified team provides a professional service resulting in your mooring being compliant with NRC requirements. A typical Lift and Inspect takes about 30 minutes.

2. **Service and repairs.** If the Lift and Inspect identifies that mooring components are damaged or worn, labour and barge costs to repair and replace commence on a pro-rata hourly basis. These cover only the period that we are physically working on the mooring. These rates and material costs are at competitive rates. A typical service period is usually about 30 minutes.

This transparent structure delivers best customer value and ensures our costs reflect the time and commitment of resources to a mooring service. It also means no “double-ups” on labour. Mooring relocations and swing area adjustments are charged on a time basis.

Did you know that a typical mooring service costs approximately \$750 (ex GST)? This equates to only \$0.68 per day for a three yearly certification.

Our mooring **inspections are objective**: we measure chains, shackles and swivels against NRC minimum standards. Failed components are replaced so that certification is achieved and insurance secured. This objective approach prevents unnecessary work and costs.

Our barge is purpose built and NZ's best – its gantry lifting and deck management systems means our services are faster than those operating HLAB lifting gear. Our barge can easily handle mooring blocks up to 6 tonnes. This means we work faster, reduce labour/barge costs and save you money.

The sea is a destructive environment and mooring wear is not a question of “if” but “when”.

Our Work Environment...

Weather has a major influence on moorings and service delivery.

Booking a service well in advance secures the best chance of achieving your service before certification expires.

Wear patterns can vary dramatically depending on local conditions (see photos). Major forces at play on a mooring are:

- *Wind drag*
- *Current drag*
- *Wave action*
- *Corrosion*
- *Erosion*
- *Electrolysis*

Swivels can rotate up to 2,000 times a year and are the hardest wearing mooring component.

Electrolysis is created by a reaction between different metals such as mild steel, cast iron and ferrous/non-ferrous metals. The electrolysis then reacts with the least noble metals (usually the chain and shackles) causing accelerated metal wastage. In certain conditions electrolytic action can remove material at an alarming rate. As a result chain and shackles have to be replaced more regularly when their wear exceeds minimum standards.



*20mm chain wear over
10yrs in Russell*



Electrolysis



*Electrolysis on 32mm
D-shackle after 3yrs*

Semi-colloidal suspensions of sand and silt will cause chain links, swivels and thimbles to literally grind themselves away. Severe turbulence can sandblast the chain and will aerate the top layers of water creating a scrubbing action to shorten chain life. Excluding wear, chains break in service for one of four reasons: poor quality, brittle material, misuse or excessive loads. The best solution to reducing these issues is to use top quality chains and appropriate chain gauges for mooring size.

Chafing is by far the most common cause of rope and mooring failure.

Anti-chafe hose is essential and requires careful inspection. Damaged anti-chafe hose must be replaced with UV stabilised fibre reinforced hose. Worn thimbles cut rope.

Moorings Northland uses certified and proven mooring products sourced from international western suppliers. We have certificates of strength and examinations on premises. We “break to destruction” shackles and ropes as part of our integrity audit and quality control.



Propeller Damaged Buoy



*Damaged Thimble
from grinding*



Damaged anti-chafe

Did you know that non-standard moorings are more expensive to maintain?

Multiple and irregular 'blocks' (cast wheels, tractor wheels, tracks, axles, crusher plates etc) are prone to entanglement with chain or head rope, they have less lateral and vertical resistance and, depending on their carbon and manganese contents, can accelerate electrolysis and embrittlement.



Irregular "block"



Approved standard blocks

The NRC standards outline minimum block weights for new moorings (in time these will apply to existing moorings too):

- One tonne for vessels up to 7m (23ft) long;
- Two tonne for vessels 7m to 12m (36ft) long;
- Four tonne for vessels 12m to 18m (60ft) long.

If your three-yearly mooring inspection is due the NRC suggests you consider upgrading now.

Did you know that poor weather conditions can reduce our working year by 40%?

Safety...

Moorings Northland has an exemplary safety record. We only work in safe operating conditions. We cannot work in high winds, heavy rain or rough sea conditions. As a result our work schedule and timing of mooring services can at times be affected. So long as a service is booked the NRC accepts that there can, at times, be a delay in certification.

Our barge “Lifter” is very manoeuvrable and is fitted with large full length fenders. As a result we can service your mooring with your boat still attached (we also remove our boots before boarding and wash any mooring rope debris from the deck).

We can lift and deploy your mooring with 100% accuracy due to GPS technology and telescopic “spuds” that secure the barge to the seabed during inspection.



Fenders

“Lifter”



At work

Photos of your mooring service are now available!

Customer Experience...

We promise the best customer experience: deliver value, be responsive, reduce hassles and paper work and be creative in finding appropriate mooring solutions for your needs.

If instructed we will call you before your mooring service. It's important to give us all your contact details when making a booking so that we can get in touch before the service. Often we don't know the time for your service until the day before – due to weather and the effect this has on scheduling! Also, if there are unexpected and costly issues with your mooring we can call you while on the job.

As the customer you can choose to be present and witness your inspection. We welcome attendance, however you will need to make personal arrangements to be on site.

Unfortunately and very regrettably, due to extremely onerous regulatory requirements we can no longer offer 'on-board' barge visits.

We take pride in our work and appreciate your business so are determined to deliver a great and worry free customer experience! We also have new ideas in the pipeline.

New Services...

1. *Photos:* We are the **only contractor taking photos** of your mooring service. If you make a request and provide an email address on your Service Authorisation form we will forward electronic photos of your mooring service.
2. *Rental and Sales Market Place:* We have developed a formal **online mooring rental and sale market place** on our website. This will provide mooring owners the opportunity to earn an income return on your asset and/or realise its full value potential (and help offset license and maintenance costs). Visit our website for details.

Did you know that NRC requires mooring certifications to be renewed every three years?

Booking a Mooring Service...

NRC maritime regulations require mooring owners to have their moorings serviced and certified a minimum of every three years.

Failure to do so could result in your mooring being forfeited and your vessel insurance being invalidated.

In more exposed or harsh mooring locations owners should consider two yearly services. We also recommend checking your insurance policy as some require this frequency.

The NRC will send mooring owners notice of their mooring certification requirement approximately six months prior to its due date. In most cases our systems will also identify service due dates and we usually send out a reminder notice after the NRC notification. If we have email addresses we also send reminders shortly before our visit to your mooring location.

Booking a service is simple – complete a **Client Authorisation Form** and return it to us in the post. You can call us and **we will send you a form by email or post.** Alternatively **visit our website** and **Book a Service** by making a few clicks – it's simple and fast!

Moorings Northland carries extensive insurance.

Contact:

Moorings Northland
P.O. Box 4
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Telephone: (09) 402 6939

Email: mooringsnorthland@xtra.co.nz

Website: www.mooringsnorthland.co.nz

Important Information:

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