



ESTABLISHED IN 1999
DELIVERING THE PROMISE



COMPANY PROFILE



NORTH PINE MSLB



**NORTH PINE
GROWING
STRONGER**



Northpine sawmill site, Cove Road, Waipu

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↑ NORTHBEAM

Timber beams, posts and joists

Flip this booklet over for details on Northpine’s specialist range of large dimension and non-standard products, sold via timber and building supply merchants under the **Northbeam** brand.

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**NORTHPINE
GROWING
STRONGER**



↑ NORTH PINE GROWING STRONGER

Northpine Ltd is an award-winning, privately-owned timber manufacturer based at Waipu (Northland), with a distribution centre in Silverdale, near Auckland. Northpine was established in 1999 by Keith Reay, Richard Wilson and Bruce Larsen from the rundown assets of the defunct Waipu Timber Company.

Northpine timber products come only from sustainably managed, high density Northland pine forests – because reliable academic research shows that pine grown in Northland is stronger, harder and stiffer than anywhere else in New Zealand.

Employing over 50 people, Northpine supplies high quality structural pine timber via merchants to the public in and around Northland and Auckland, and to a select few wholesalers in Australia.

At the Waipu sawmill radiata pine logs are sawn, kiln dried, gauged, stress tested, treated, strapped and wrapped. They are then trucked to timber and building supply merchants.

Northpine's distribution yard in Silverdale supplies specialist large dimension and non-standard timber beams, square posts and joists – sold under the Northbeam brand – to merchants in the upper North Island and beyond. (Flip this booklet to read more about Northbeam.)



“Northpine is a sawmill based on technical ability and strong core values.”

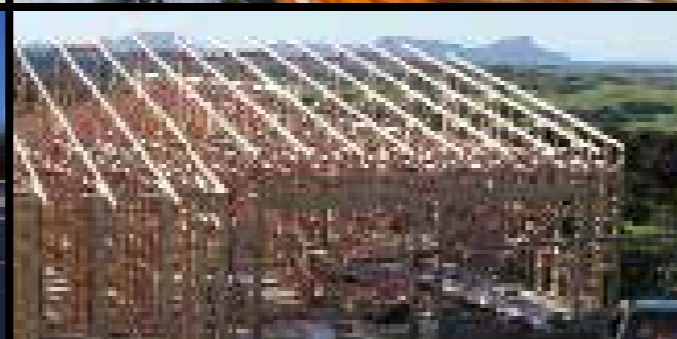
– Keith Reay, founder of Northpine

‘Delivering the promise’

Our Mission Statement (above) reflects the company's strong core values and focus on excellent customer service, as well as the strong timber produced by the business.

Northpine is committed to delivering high quality structural timber products to its customers. We do this through a combination of outstanding product knowledge, technical sawmilling excellence, teamwork, efficiency, and an empowering culture of constant improvement that recognises every team member and encourages constant learning.

↑ WHO WE ARE / WHAT WE DO





“Northland radiata pine is stronger and denser than pine grown in other parts of the country because the cell walls are thicker. This is partly due to the good growing conditions in autumn and winter. It means our pine forms the basis of a top quality structural product for housing construction.”

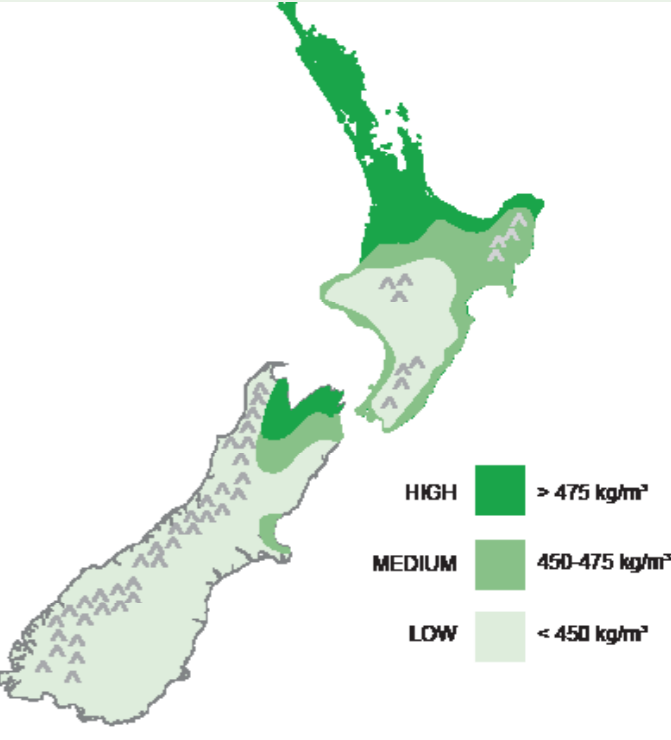
– Keith Reay, founder of Northpine

Northland pine is stronger

A 1991 study conducted by the Forest Research Institute (FRI) demonstrated, in essence, that the further north in New Zealand the timber comes from, the denser and stronger it is.

A further study by FRI in 1997 then showed conclusively that visual grading (ie using the NZ grading rules No1 Framing), gave different performance characteristics depending on which region the timber came from.

The result showed that out of the six regions tested, only two met the actual requirements that the visual grading was designed to achieve. One of these regions is Northland.



Radiata pine density zones

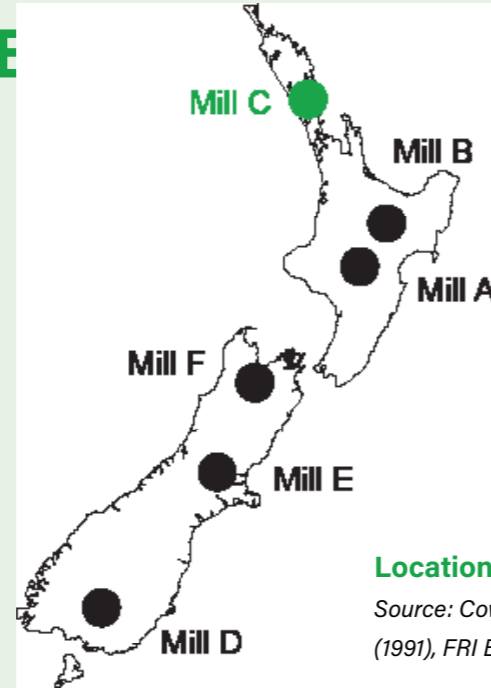
Density is closely related to timber stiffness and strength. Northland wood is in the highest density zone.

Source: Cowan, McConchie and Young (1991), FRI Bulletin 50.

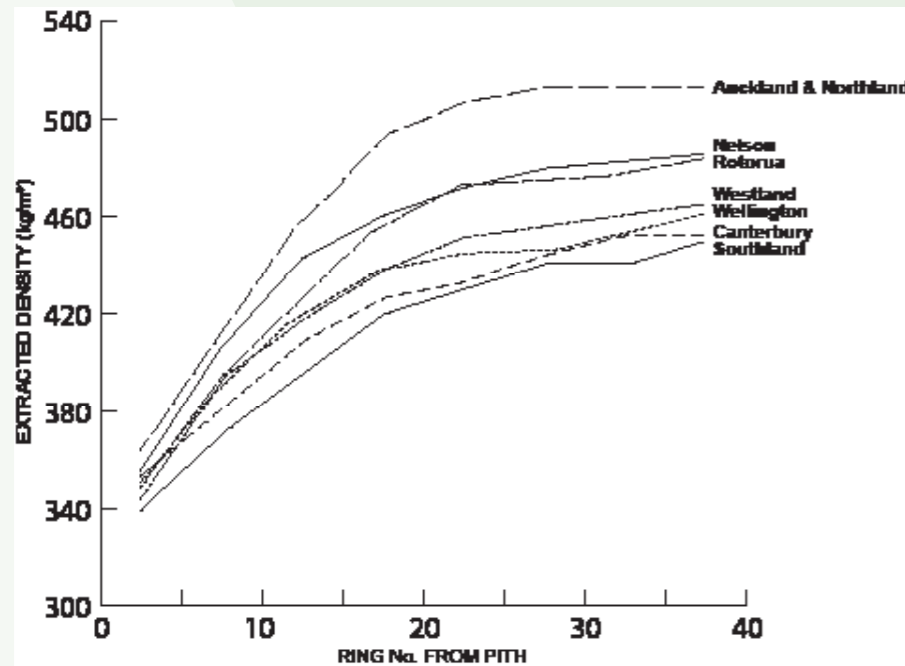
↑ WHAT THE SCIENCE SAYS



RADIATA PINE GROWTH PATTERNS



Location of study timber
 Source: Cowan, McConchie and Young (1991), FRI Bulletin 50.



Regional and ring density trends
 (mean density at 1.3m above ground).
 Northland wood is included in the Auckland area, and is significantly higher than other areas.
 Source: Cowan, McConchie and Young (1991), FRI Bulletin 50.

Timber grading

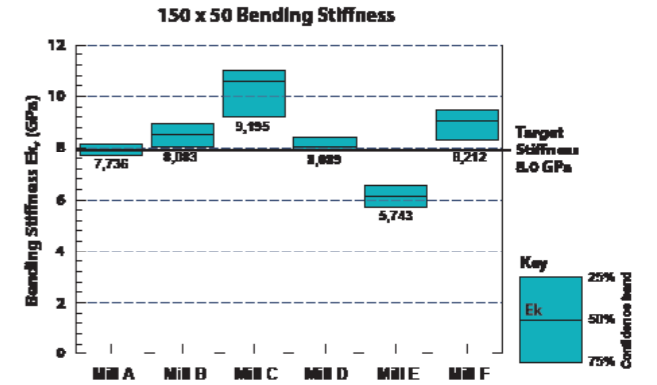
One study undertaken by the Forest Research Institute in 1997 took correctly graded No1 Framing timber from six mills around NZ (see map, previous page) and, in conjunction with the bending strength and stiffness data, determined the **characteristic bending strength and stiffness values**.

Stiffness and strength

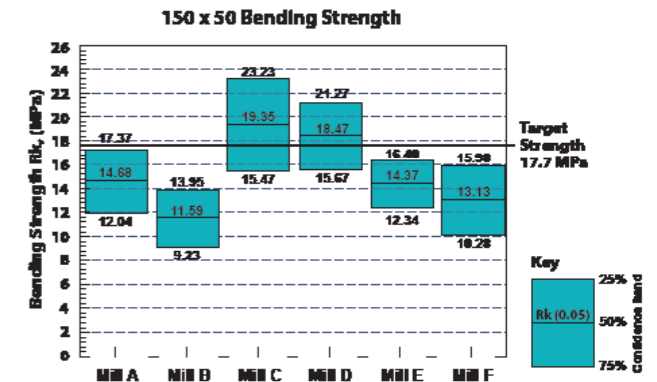
The two images on the right show characteristic bending strength and stiffness for this sample of 150x50 timber. **Mill C (located in Northland) is consistently the highest rated producer.**

In terms of bending stiffness there was a 4GPa difference across the country with 5 of the 6 mills achieving the No1 Framing grade value of 8GPa. In terms of bending strength only two mills achieved the No1 Framing grade target value of 17.7GPa. **Mill C (in Northland) is the highest rated producer.**

No.1 Framing Bending Stiffness



No.1 Framing Bending Strength



“This trend of wide variations in bending stiffness within a single visual grade confirms the view that you cannot determine timber strength or stiffness just by looking at it. That’s why Northpine has a rigorous machine stress testing regime that is independently verified by Grade Right.”

– Bruce Larsen, General Manager, Northpine



Stress testing – “Beam under load”

Commitment to quality

Northpine has a commitment to quality performance that underpins every aspect of its operation – from production to despatch, workplace health and safety, staff training and customer service.

The quality of all pine processed at Northpine is rigorously tested, with structural timber acoustically graded in process and samples placed under stress to ensure each batch of timber meets New Zealand Standard requirements.

This testing regime is also independently verified by third party accreditor **Grade Right** to ensure compliance with NZS 3622:2004.



Treatment processes are compliant with **Treat Right** requirements.

Treat Right licensees participate in an independent national quality assurance programme for timber treatment.

Independent Verification Services (IVS) undertake independent auditing of timber export procedures to ensure compliance with Biosecurity New Zealand Phytosanitary Export Certification Standards.

↑ STRONGER ON QUALITY

“Good wood, good people, good systems
– create great timber products and outstanding service.”

– Northpine Vision Statement

Competenz
SKILLS FOR INDUSTRY

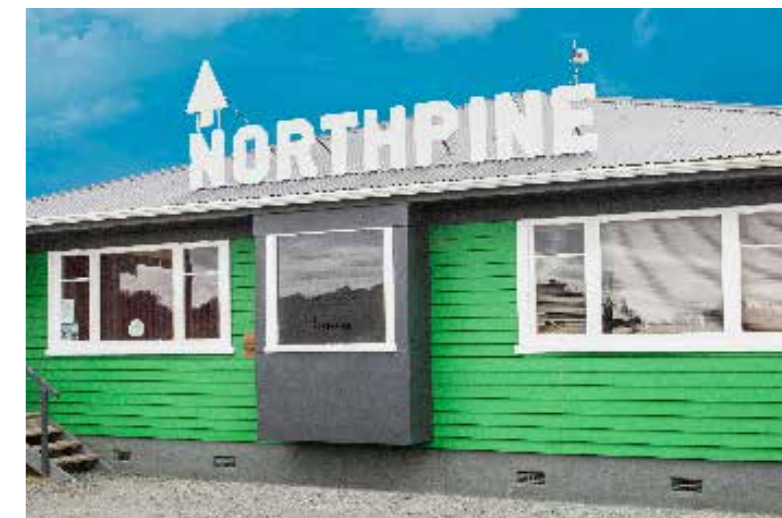




There's no 'i' in team

Northpine is a relatively small sawmill in terms of production, but with over 50 people on the payroll it is a significant employer in a tightknit community. Northpine invests heavily in staff training and development.

Northpine trains and retains the best people, encouraging each individual to achieve his/her full potential, and takes pride in recognising outstanding individual and company achievements. Senior management are degree qualified and employees hold a wide variety of technical qualifications specific to the industry.



Key contacts



Bruce Larsen *General Manager*

Bruce has a B.For.Sc (Hons) and an M.B.A. With 35 years of practical forest industry experience, initially as a forester before moving to sawmilling in 1999, Bruce is now responsible for marketing, log purchasing and financial management.

P: 0274 988 701
E: bruce@northpine.co.nz



Richard Wilson *Operations Manager*

The sawmilling guru at Waipu, Richard's 45-year forest industry career path led to CHH's Kumeu sawmill in the 1970s, where he became sawmill manager working under Keith Reay, the founder of Northpine.

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E: richard@northpine.co.nz

Gaylene Wilson *HR Manager*

Timber manufacturing is a career choice! If you or someone you know is interested in a career in timber manufacturing, contact Gaylene.

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▲ STRONG ON ACHIEVEMENT



Hard work has its rewards

From humble beginnings in 1999 as little more than a hobby for its new owners, Northpine Ltd has grown to become one of the region's most significant and successful timber manufacturers.

Annual production has grown from 7,500m³ to over 25,000m³, despite severe challenges posed by the crippling recession caused by the GFC.

Northpine's outstanding performance, sustained over time, has been recognised by its peers inside and outside the timber industry.



- **2013 Competenz Forest and Wood Industry National Training Award**
– *Outstanding Business Performance through People Development*
- **2013 Westpac Northland Business Excellence Award**
– *ACC Workplace Safety Award*
- **2013 Westpac Northland Business Excellence Award**
– *Judges Commendation Award*
- **2016 Northland Forestry Award**
– *Training Company of the Year Award*
- **2016 Northland Forestry Award**
– *Bruce Larsen – Wood Processing Excellence Award*





▲ STRONGER COMMUNITIES



Happy to lend a helping hand

Northpine is genuinely committed to improving the quality of local community life by helping a wide variety of activities, events and causes through donations and sponsorship. As a major employer in Bream Bay, the company gives generously and often to local arts, education, heritage, sport, recreation and community services.

Northpine strongly supports:

- Waipu Rugby and Squash Club
- Takahiwai Rugby League Club
- Whangarei Racing Club (annual Northpine Waipu Cup)
- Waipu Art 'n Tartan Festival
- Waipu Golf Club (Bream Bay Classic)
- Northland Womens Golf
- Northland Equestrian (Ruakaka)
- Waipu Caledonian Society
- Waipu Heritage Museum
- Waipu, Ruakaka and One Tree Point Primary Schools ('Great White Sharks' programme for extended learning)
- Waipu Cove Surf Life Saving
- Waipu Car and Bike Show
- Waipu Business and Promotions Group
- Dragonfly Springs Wetland Sanctuary (Whangarei)
- Waipu Cycleway and Walkway
- Bream Bay College (multiple projects)

Environmental responsibility

Northpine operates its Waipu sawmill within the terms of strict Resource Consents (issued in 2005 and 2014) that cover primarily emissions and noise control. These consents, overseen by local and regional authorities, are regularly monitored by a Community Liaison Committee.

"Keeping our staff safe and minimising our impact on the environment are principles that guide all our decisions as a company. We are constantly looking to identify opportunities to implement change, processes and practices that improve the safety and environmental performance of Northpine people and products."

– Bruce Larsen, General Manager, Northpine

As used for the Quan Am Buddhist Temple, Bombay, Auckland



PROJECT: Quan Am Buddhist Temple Gateway, Bombay, Auckland

Robert Watson of SD Watson Ltd has been Project Manager at the Quan Am Buddhist Temple in Auckland's Bombay area for about eleven years.

When it came time for the monastery's main entrance at Beaver Road East to be created, it involved a rather interesting brief:

"The owners wanted something strong and powerful, imposing but not in a scary way; a triple gateway that would represent strength, health and prosperity;"

Robert had a "pretty good idea" in his head of how to deliver on the brief. He went to local merchant Tuakau ITM; having started off with the idea of 500x500 squares Robert took their advice to go with 400x400 large dimension timber posts from Northbeam.

Once on site, there was a lot of intricate and time-consuming work to be done – in the vicinity of 1,000 hours over four months.



"The four 6-metre pine posts came to us tanalised and, as well as all the finishing work, the posts were given a dark Watty! Redwood stain, mostly for the colour contrast. We '45-ed' and picture-framed the posts, and drilled through on angles so the lighting wires weren't exposed or visible to the public," says Robert.

All four posts were topped with copper hats. "The gate actually travels through three of the posts and the 'wings' either side of the main posts are tongue-and-groove pine, also supplied by Tuakau ITM," says Robert. "It has worked out really, really well!"

"The people at Northbeam and Northpine are awesome to deal with. They are an ethnically strong, reliable firm. Always friendly on the phone. Nothing is too much trouble, they go out of their way to help. It is very rare for us to have to wait for product to be delivered;"

– Glenn 'Podge' Graham, Tuakau ITM

“Anything that is an odd size, or that we need in a hurry, we usually get from Northbeam in Silverdale. They normally have everything we want – their yard is well stocked – or they get it straight away. That makes life easier for us. Northbeam is our first port of call because they’re handy and efficient ... and good buggers!”

– Dave Wilkins, Operations Manager, Contrax Ltd



PROJECT: Flanshaw Esplanade Reserve Walkway, Te Atatu South, Auckland

Esplanade reserves and strips are mechanisms to protect riparian and coastal margins for conservation purposes – protecting natural habitats, mitigating natural hazards and enabling public access and recreational use.

The approx 40m boardwalk near Henderson Creek in West Auckland links the northern end of Flanshaw Street with the cycleway that runs alongside the SH16 Northwestern Motorway. It gives pedestrians and cyclists sturdy and comfortable access, while protecting the local environment in an historic area that has high natural, cultural and recreational values.

Northbeam supplied all the beams and 50mm treated timber for Auckland-based civil works and streetscape contractor, Contrax Ltd, who have completed high profile projects for local government, commercial and residential clients.



From its distribution yard in Silverdale, Northpine produces its specialist Northbeam range of structural beams, square posts and joists, including large dimension beams, H1.2 and H5 treated timber up to 7.2 metres.

These aesthetically pleasing, high value products are generally preferred for use in exposed areas where the natural warmth and beauty of solid wood provides visual impact and unique character to a structure.

With Northbeam products, framing can be turned into a truly distinctive feature with exposed timber beams, posts and joists. The range also provides flexibility and the opportunity to create eye-catching designs for outdoor features such as decks, gazebos, pergolas and entranceways.

Strength is another key characteristic. The Northbeam range is processed from kiln dried timber carefully selected to ensure it is structurally strong and dimensionally stable.

The result is high quality timber with structural performance that is competitive with steel or engineered wood products.

In addition to these large dimension or unusual sized products, Northpine will also consider making one-off production runs for clients at its Waipau sawmill.

The Northbeam range is currently sold via timber and building supply merchants to clients in the upper North Island.

PROJECT: Auckland Zoo Redevelopment

Northbeam timber beams were chosen for the aviary rebuild. Completed in November 2016 and led by Hawkins Construction, it is part of the Aussie Walkabout upgrade within Auckland Zoo's multi-million dollar redevelopment.





Timber beams, posts and joists

NORTHBEAM
↓





Timber beams, posts and joists

NORTHBEAM
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