



Parengarenga Incorporation Te Kao



FOREST MANAGEMENT PLAN as at 1st July 2024



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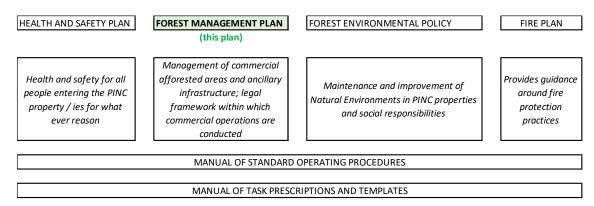


1. PLANNING FRAMEWORK

Parengarenga Incorporation (PINC), has compiled, or is in the process of compiling various plans which are used as planning tools and guidance for ongoing management.

The main plans are The Forest Management Plan, Environmental Management Plan, Health and Safety Management Plan and the Fire Plan. These are high level documents which point to each other as well as to procedures which help staff manage standard tasks according to prescribed methods.

The planning framework and position of this plan can be depicted as follows:





2. STRATEGIC PLANNING

2.1. Vision and values

Parengarenga Incorporation is a Māori organisation. We are committed to growing our people and communities through operating a world-class, sustainable enterprise. We manage physical assets that create an economic return on investment for our shareholders. Our operations provide environmental and social benefits for the people of Te Hiku. As kaitiaki mote whenua, we seek to create intergenerational wealth and prosperity by nurturing and enhancing the value of our whenua, awa, and ngahere.

Te Wawata / Our Vision

Growing our people and communities, shaping the Te Hiku future by operating a world –class, sustainable enterprise of the land and sea.

Te Aronga / Our Mission

By 2030, we will deliver \$1m every year to our shareholder community.

Te Take / Our aim

To manage a diversified and sustainable portfolio of commercial investments that leverages our physical assets.

Te Taiao / Our Environmental objective

We strive to be a land-based enterprise that is respected for fulfilling its kaitiaki responsibilities. We implement sustainable land management practises. We will bring back the bird-song. This will be done by establishing practices that combine modern technology, tikanga and advanced research to secure a vibrant taiao.

Nga Tikanga / Our values

- Whakapono Me Te Tika / Integrity, honesty, trust: We believe in an open, respectful and honest approach to achieve trust in all that we do.
- Kaitiakitanga Wairua / Guardianship , spirituality: We protect our whenua with cultural values and practices
- Manaakitanga / Respect, generosity & care for others: We respect and care for everyone and give equal opportunity within our workplace.
- Rangatiratanga / Leadership, teamwork, growth: We work with our leaders to build a strong team to produce business growth within our community.

	2024/25	2025/26	2026/27
	Develop best practice measurement	Identify best practice performance	Monitor and entrench action plans
	models and commence performance	shortfalls and action plans to	
	analysis	improve.	
s	Implement on-site and / or tertiary	Assess the performance of	Develop action plans to address
IZE	training to provide for up-skilling of	succession planning candidates and	employee shortfalls
СT	identified staff.	adjust the succession plan as	
OBJECTIVES		necessary.	
0	Proceed to contractual	Finalise an implementation plan for	Commence JV operations
	arrangements for any proposed joint	(if any) for a joint venture	
	venture partnership (downstream	partnership.	
	activities)		
TARGETS	\$11.3m revenue	\$11.9m revenue	\$12.3m revenue
	\$494k net profit	\$825k net profit	\$900k net profit
	Benchmarking KPI targets are met	Benchmarking KPI targets are met	Benchmarking KPI targets are met
F	Annual FSC audit passed	Annual FSC audit passed	Annual FSC audit passed

2.2. Three year Objectives



3. LAND DESCRIPTION

3.1. Ownership / Tenure

Block A land is Māori Freehold Land, owned by The Proprietors of Parengarenga A Block, in extent 6248.3456 hectares.

id	3540168
title_no	NA71D/732
status	LIVE
type	Freehold
land_district	North Auckland
issue_date	1989-07-13 00:00:00
guarantee_status	Guarantee
estate_description	Fee Simple, 1/1, Parengarenga A Block, 62,483,456 m2
owners	The Proprietors of Parengarenga A Block

Block B land is Māori Freehold Land, owned by The Members of the Committee of Management of Parengarenga 'A' Incorporation, in extent 3,977.7145 hectares (actually 3,761.2852 hectares – see below)

id	3559803				
title_no	NA67B/56				
status	PRTC				
type	Freehold				
land_district	North Auckland				
issue_date	1987-04-06 00:00:00				
guarantee_status	Guarantee				
estate_description	Fee Simple, 1/1, Part Parengarenga B3C Block, 39,777,145 m2				
owners	Members of the Committee of Management of Parengarenga 'A' Incorporation				



Also included in Block B, is land reserved as Papakainga, but which has some trees growing on it

id	3962706				
title_no	NA56D/1466				
status	LIVE				
type	Freehold				
land_district	North Auckland				
issue_date	1987-01-30 00:00:00				
guarantee_status	Guarantee				
estate_description	Fee Simple, 1/1, Lot 1 Deposited Plan 103374, 86,705 m2				
owners	Members of the Committee of Management of Parengarenga 'A' Incorporation				

The tree crop is under the same ownership.

Title searches reveal the following interests attached (see Appendix 10.1): - Block A NA71D/732:

- Registration of pre-1990 land in the Emissions Trading Scheme.
- Forestry Right to The Proprietors of Parengrenga A Block.
- Mortgage of Forestry Right to Māori Trustee.

Block B NA67B/56:

- Right of ways by Provisional Register NAPR4A/561; NAPR4A/543; NAPR542; NAPR229/137
- Right of way by Easement Instrument 8623369.2
- Registration of pre-1990 land in the Emissions Trading Scheme
- Partition Order vesting Ngatekawa Block CIR 531293.

Block B NA56D/1466:

• Right of ways by Provisional Register – NA229/137; NA4A/542; NA4A/543; NA4A/561

The forest is pre-1990 land and has received, then subsequently sold, it's original allocation of carbon credits. Registered participant is The Proprietors of Parengarenga A Block. There is no gain nor liability, provided the land remains fully afforested. The extent of stocked area has not been reconciled back to the area registered under the ETS.



3.2. Location

The properties are situated across the Peninsula, around the Far North village of Te Kao. Block A bounds the west coast and parts of Block B bound the east coast.

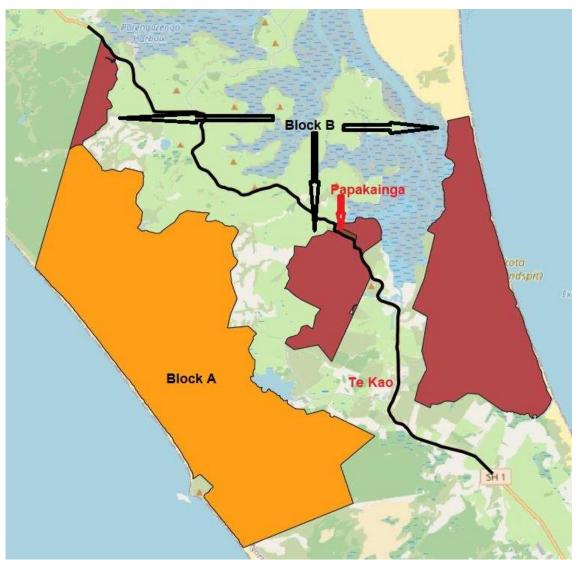


Figure 1. Location of Parengarenga Incorporation forestry land.



3.3. Access

Current access to Block A for heavy vehicles is via Taylors Road, which was subject to an agreed royalty of \$ 30,000 each year, payable to the Wiki-Tupuni Trust, at the entire discretion of PINC. That agreement regarding the royalty concluded during 2023 and FSL's understanding is that this agreement has not been renewed, but that there is now an understanding that PINC will maintain Taylor's Road to a serviceable and safe standard for all users and that heavy traffic should not use Taylor's Road between 18h00 and 6h00.

PINC has a legal right to use Taylor's Road access, but alternative access could be developed if deemed of value. There are two options, one being along the existing easement off Te Ahu Road, along Oromanga, Road which is a "Restricted Roadway" registered on the land title, but this would require upgrade of a bridge which currently can only take light vehicles and having all traffic passing through the village and residential areas. Another option is through farmland owned by Parengarenga Incorporation further north, but this would increase log transport costs for most of the forest, especially the southern areas.

The largest eastern area of Block B is accessed across the Slade's property, off SH1 north of Te Kao. An agreement requires payment of 10cents per tonne of logs sold, only during periods of active harvesting and general access for forestry purposes is at no charge. Common courtesy is to inform the Slades of ad hoc intentions to access, prior to using this road. There is an existing strip of land which could be developed as alternative access, but while there is a good understanding between PINC and the Slades there is no need or desire to develop this. There is established and direct access off public roads to the other parts of Block B's commercial tree crop.

The most northern area of Block B is referred to as "Shenstone" and vehicular access is off State Highway 1 across neighbouring land to the north of that. No formal access agreement exists and this needs to be actioned.

There is established and direct access off public roads to the other parts of Block B's commercial tree crop.

There is an extensive network of roads already developed on the properties, which was done whilst harvesting the first rotation of pine. Ongoing costs will largely relate to maintenance of the existing infrastructure and development of new sites for processing or loading logs due to changing harvest systems.

3.4. Physical attributes

Land is mainly undulating sand dunes on a coastal sand plain.

Block A Soils are predominantly recent sands in the Pinaki soils suite. These are free draining low nutrient soils, low in nitrogen and copper. There are several small, isolated patches of hard pans where tree growth is poor. Low lying areas where water can be trapped are often high in organic content and peaty. Areas close to the coast, west of No.2 Arterial Road, are typically raw sands, which are very unstructured, young, infertile and highly erodible.

Block B soils are largely Podzol soils. Orthic granular soils are dominant west of SH1 and provide for better growth than the eastern areas. Generally, conditions in Block B, particularly east of SH1, are more challenging than elsewhere.



Exposure to salt laden winds and low fertility drive lower growth rates near the coast than that further inland. It is important that existing protective coastal strips of pine are left standing to continue serving their protective function for the rest of the forest.

Numerous sites of cultural and historical significance have been identified and mapped.

Highly mechanised ground based harvesting systems can be employed, but note that there are several steep land formations which will need careful planning. Archaeology also requires careful operational planning to be undertaken.

Weather statistics for Kaitaia aerodrome were collected from from Niwa's CliFlo website. The weather station used is about 60km from the centre of PINC, in a direct line to the south-east. Average annual rainfall over the last twenty years was 1,290mm. November had the lowest monthly average (71mm), closely followed by January (73.2mm). July had the highest monthly average of 160mm. Average temperature was 15.2°, with lows in July (average 12.2°) and highs in February (average 20.3°).

3.5. Regulatory environment

3.5.1. The "main" Acts

- Forests Act 1949 (amended by the Forests Amendment Act 1993)
- Forests (Regulation of Log Traders and Forestry Advisers) Amendment Act 2020
- Resource Management Act 1991
- Health & Safety at Work Act 2015
- Heritage New Zealand Pouhere Taonga Act 2014
- Historic Places Act 1993

3.5.2. Other legislation, categorised, is listed below:

a) Legal rights to harvest / land tenure

- Te Turi Whenua Māori Act 1993/Maori Land Act 1993
- Treaty of Waitangi Act 1975
- Government Roading Powers Act 1989
- Land Act 1948
- Maori Reserved Land Act 1955
- Land Transfer Act 2017
- Land Transport Act 1993
- Personal Property Securities Act 1999
- Public Works Act 1981
- b) Taxes and fees
 - Commerce Act 1986
 - Companies Act 1993
 - Local Government (Rating) Act 2002
 - Local Government Act 2002
 - Goods and Services Tax Act 1985
 - Income Tax Act 2007
 - Tax Administration Act 1994

c) Forest Operations and Trade

• Fencing Act 1978



- Biosecurity Act 1993
- Consumer Guarantees Act 1993
- Contract and Commercial Law Act 2017
- Co-Operative Companies Act 1996
- Fire and Emergency New Zealand Act 2017
- Sale of Goods Act 1908
- Land Transport Safety Council Code of Practice
- Log Transport Safety Council Industry Standards
- Copyright Act 1994
- Designs Act 1953
- Statistics Act 1975
- Trade Marks Act 2002

d) Environmental requirements

- Climate Change Response Act 2002
- Crown Minerals Act 1991
- Conservation Act 1987
- Native Plants Protection Act 1934
- Hazardous Substances and New Organisms Act
- 1996
- Plant Variety Rights Act 1987
- Plants Act 1970
- Reserves Act 1977
- Wild Animal Control Act 1977
- Wildlife Act 1953
- NZS8409:2004 Management of Agrichemicals
- Soil Conservation and Rivers Control Act 1941

e) Health and safety

- Accident Compensation Act 2001
- Fire and Emergency NZ Act
- Hazardous Substances and New Organisms Act 1996
- Machinery Act 1950
- Misuse of Drugs Act 1975
- Trespass Act 1980
- Walking Access Act 2008

f) Employment

- Contracts (Privity) Act 1982
- Crimes Act 1961
- Employment Relations Act 2000
- Equal Pay Act 1972
- Holidays Act 2003
- Human Rights Act 1993
- Immigration Act 2009
- Minimum Wage Act 1983
- Parental Leave and Employment Protection Act 1987
- Patents Act 1953 and 2013
- Privacy Act 1993
- Misuse of Drugs Act 1975



g) Regulations, Standards, Best Operating Practice

- Approved Code of Practice for Safety and Health in Forest Operations
- National Environmental Standards for Commercial Forestry 2023
- National Environmental Standards for Freshwater Management
- NZ Environmental Code of Practice for Plantation Forestry 2007
- Climate Change (Forestry Sector) Regulations 2008
- Forest Disease Control Regulations 1967
- The Road Code
- NZ Forest Road Engineering Manual
- Forestry Earthworks & Harvesting Guidelines for Northland
- NZFOA Guidelines for the Management of Rare and Endangered Species
- Growsafe Agrichemicals User Guide

The lists above are not necessarily exhaustive.

3.5.3. National Environmental Standards for Commercial Forestry (NES-CF)

The National Environmental Standard for Commercial Forestry (NES-CF) requires an assessment of risks and regulates conditions under which activities are permitted. Two of the major risk assessments are via electronic indicators on a MPI website, being erosion susceptibility and fish spawning.

Erosion Susceptibility is given four risk classifications, viz. Low (green), Moderate (yellow), High (Orange) and Very High (red). Low and Moderate risk areas have no constraints additional to standard conditions. High and Very High risk areas have additional constraints. Most of the productive area of the forest is Moderate risk and there are several smaller tracts of land classified as Low risk. Coastal dune areas, which are not production areas, are classified as Very High risk. An area of about 87 hectares west of SH1 in Block B is classified as High risk and is above the main river system - this area will need careful planning prior to harvest. Overall, erosion risks due to operations are Moderate and easily manageable using best practice.

Fish spawning indicators show the probability of Redfin Bully and Banded Kokopu spawning in some sections of rivers. This is more prevalent in Block B. Disturbance in these sections of river, during spawning periods, is not a permitted activity. Redfin Bully spawn during August, September and October; Banded Kokopu spawn during May and June each year. The areas impacted are reasonably small and it should be quite easy to schedule operations around them.

The NES-CF only allows Regional or District Plan rules to be more stringent if those rules give effect to national instruments, matters of national importance or unique and sensitive environments. The PINC land falls into the Northland Region and Far North District.

3.5.4. Regional and District Plan Rules

a) Northland Regional Plan constraints:

- The usual coastal constraints apply to the sea, estuaries and adjacent beaches, but forestry operations do not directly impact any of these values.
- Lakes classified as significant freshwater bodies
- o Lake Wahakari, on the eastern edge of the Block A and Lake Morehurehu in the middle of Block B. The lake catchments are shown as being up to one kilometre into afforested areas.
- The intertidal flats of Te Kao Bay, adjacent Block B have Marine pathway place limits.



- Outstanding Natural Character areas
- o Intertidal flats and channels of Te Kao Bay adjacent Block B
- o Lake Te Kahika in Block B, and it's wetland outlet.
- o Lake Morehurehu's wetland outlet
- High Natural Character areas
- o Intertidal flats and channels of Te Kao Bay adjacent Block B
- o Lake Morehurehu
- Ground water management unit is Aupouri Aquifer
- River water quantity management units are "Coastal River"
- Te Kao Bay has Coastal management units of "Estuary" and "Tidal"
- There is a mix of Lowland and Hill Country areas
- Council classifies virtually the whole of Block A and a small part of Block B as erosion prone, but the NES-CF erosion susceptibility classification overrides this. The only land of concern in production forestry areas, and which will need a closer look when planning to harvest, is 87 hectares west of SH1 in Block B.

b) Far North District Council

- Most productive land is zoned Rural Production. The coastal protection strip in Block A and most of Block B are zoned General Coastal.
- The lakes and dunes of Block B are classified as Outstanding Landscape. These do not include production areas.
- There are some areas along the eastern flanks of Block A which are classified as susceptible to floods. Almost all of the area in Block B, east of SH1 has been classified as susceptible to flood.
- There are some sites shown which have cultural significance to Māori, with some of those in stocked areas. However, there are many more sites present and mapped from prior archaeological surveys. These sites need to be recognised and appropriate treatment prescribed at operational planning stages.

c) Proposed Far North District Plan

- It is prudent to consider potential changes to operating environments due to changes in District Plans.
- Zones are proposed to change. Block A as Māori Purpose- Rural, Block B as Rural production.
- A new coastal environment looks to extend into some parts of productive forest, especially that of Block B, but the wording indicates this is not the intention.
- Landscape classifications appear to remain largely the same.
- There are new coastal and river erosion and flood risk zones, which appear to be more science based and accurate. For example, almost all of Block B east of SH1 is currently shown as flood prone, but that is not the case, and the proposed new zones look more realistic.
- The whole peninsular is shown as a treaty settlement area of interest for several lwi.
- The intention of changes as proposed do not appear to change any practicality of operating a commercial forest. The only concern is to ensure that mapping is accurate so that unintentional consequences do not flow from that, for example to ensure that Outstanding Landscape boundaries do not encroach the current production forest areas.

The main risk areas to consider are operations above lakes and rivers, particularly along the eastern Block B areas. Operations should not directly impact these water bodies and application of best



practice should protect the values as required, even in the relatively small high erosion susceptible production areas.

Another area for specific attention is that of historic sites and cultural values. Operations need to identify the sites and plan around them to afford the required protection. There are protocols in place to do this.

3.5.5. Emissions Trading Scheme

The forest is classified as pre-1990, registered in The Emissions Trading Scheme, reference FAP-3205 and FAP-3202. "Eligible Person" is shown as Parengarenga A Incorporation. 449,800 NZUs were issued representing 7,830 hectares. All 449,800 NZUs were subsequently sold and so the balance of NZUs held is zero.

3.6. Other land matters

There is a gate key allocation system which provides access to ninety-mile beach, through the forest, for Haukainga only (home people living within strict limits). The route is off Te Ahu Road, down Oromanga Road. Oromanga Road is shown on the title as a restricted roadway. Access to the wider forest area is however restricted to business / official purposes.

Emergency services, people maintaining the Te Arai Reserve and some working staff and contractors have gate keys, for official purposes only.

Access to the land on foot is relatively easy, off beaches.

Management allow access to the forest for recreational purposes, subject to a permit system.



4. TREE CROP DESCRIPTION

4.1. Introduction

The predominant species is Radiata Pine. Radiata Pine has been determined, by long standing research and experience in the forest industry, to be economically and ecologically appropriate for the sites and management objectives of Parengarenga Incorporation. The stocked area, plus area awaiting re-plant, was 7,102.6 hectares in extent, on 30th June 2024.

A small area of minor species (11.1 ha) has marginal commercial value.

Coastal protection strips of pine (391 ha) need to be retained to continue serving its protective function for the productive forest areas. This area is therefore not a productive crop, but is managed as a commercial interest in protecting the productive crop.

The tree crop is being managed on a framing regime. No pruning has been done and the trees have been thinned out to between 350 and 650 stems per hectare (spha). An extensive thinning program is in progress, with approximately 3,900 hectares of the current crop still to be thinned.

The forest is being managed on a non-declining yield basis. with the intention of normalising the forest as quickly as possible.

Regeneration strategy is to replant areas harvested from January to December each year, during the winter following December, i.e., areas harvested January 2024 to December 2024 will be replanted July 2025.

PINC does not have its own downstream processing facilities and log marketing is done on an arm's length willing buyer / willing seller basis. Domestic markets close to the forest are favoured against export markets due to lower price volatility and lower distribution risks.

4.2. Areas

Areas are measured in hectares to one decimal point. The forest was well mapped by prior managers, PF Olsen Ltd and Hancock Forest Management Ltd. When management reverted to PINC at the end of 2015 (Block A) and 2021 (Block B), all shapefiles and stand records were passed on.

Management now maintains electronic mapping and stand records. Operational areas are marked up monthly by staff using Avenza maps, or a drone, and stand records and shapefiles are updated accordingly. Shapefiles for areas where no work has taken place have not been updated since receipt of the records at the end of 2015. Stand records are being kept on a spreadsheet system now and maps are updated via QGIS.

Block A NA71D/732	6248.3256	Title Area
made up of:		-
Productive P.radiata, planted	4892.4	
AR	126.1	
Minor spp	11.1	
Unproductive P rad	332	
Other unproductive areas	886.7256	balancing item
	6248.3256	_



Block B tree crop was previously leased by Taumata Plantations Ltd. PINC have bought back the forest lease (November 2021) and now own and manage all trees on their land. During due diligence for purchase of the Block B lease, significant gaps were noticed, and net stocked areas were reduced by, on average, 3.5%.

 Percentage and percentage
 Te determine

 Te determine
 Te determine

There is one parcel of land in Block B Certificate of titles which does not in fact belong to PINC:

This parcel s referred to as Te Mingi and belongs to Muri Whenua. It was included in title NA67B/56 by mistake. The share register needs to be re-organised before an official change to title deeds can be effected. This is an ongoing work. The property area of Block B reduces by extent of 216.4293 ha to a nett 3761.2852 ha.

The parcel of land immediately to the south of Te Mingi is referred to as "Shenstone". Logs were removed across the western parcel of land (Summit Forest, was then Juken Nissho) during the prior harvest and this is currently still the only way to get logs out. Preliminary field inspections revealed heavy competition with Kanuka and other vegetation, many large gaps in the stands and no silvicultural treatment since re-planting. Older satellite imagery found in Google Earth indicate that this area was mostly harvested during 2005, with a small area remaining to harvest as at December that year, but it is not clear when the area was re-planted. There is also uncertainty about whether the pine is regeneration or planted crop, but December 2005 imagery shows windrow slash indicating an intention to re-plant and 2012 imagery shows lines indicative of planting lines. We have assumed a replant date of 2006 and have reduced a rough outline of pine areas by 50%. Some inventory has been conducted to assess the forest growing on this area and it now needs to be properly mapped (there are a lot of gaps).

A Papakainga is on separate title and there are young trees growing on a part of that land. This area under trees has been given the same attributes as the neighbouring trees previously leased by TPL, as they appear to be the same age and neither area has had any treatment since re-planting. This property has been included under Block B, as it is immediately adjacent.



3977.7145	Title Area
8.6705	Title Area
216.4293	
3769.9557	– Effective title Area
	=
2084.1	
58.646	
933.3567	
6.796	
56.3294	
13.5706	
44.7761	
258.4032	_
93.1	
165.3032	
313.9777	balancing item
3769.9557	_
	216.4293 3769.9557 2084.1 58.646 933.3567 6.796 56.3294 13.5706 44.7761 258.4032 93.1 165.3032 313.9777



4.3. Area reconciliation

•	
TOTAL ESTATE	10,018.28 title area
Made up of (as at 1st July 2024) :	
Stocked area	6,976.5
Awaiting re-establishment	126.1
Prepared	0.0
Not prepared	126.1
Productive area	7,102.6
Minor species	11.1
Non-productive P.radiata	390.6
High Conservation Value Areas	1,333.5
Other Natural Areas	260.4
Stock gaps	809.5
Utilities	5.9
Roads and landings	104.7
Title area	10,018.3 hectares

Year planted	2023	CHANGE	2024	Explanation of differences
1972	55.5	0.0	55.5	
1975	101.1	0.0	101.1	
1999	120.0	-120.0	0.0	120 ha harvested
2000	290.3	-60.0	230.3	63.9 ha harvested; +3.9 ha mapping error
2001	286.6	0.0	286.6	
2002	228.5	0.0	228.5	
2003	221.5	0.0	221.5	
2004	78.4	-34.9	43.5	34.9 ha harvested (short rotation)
2005	201.6	0.0	201.6	
2006	495.7	-0.6	495.1	0.6 ha harvested (short rotation)
2007	451.9	0.0	451.9	
2008	388.5	-12.4	376.1	12.4 ha harvested (short rotation)
2009	341.2	0.0	341.2	
2010	373.4	0.0	373.4	
2011	467.6	0.0	467.6	
2012	638.3	0.0	638.3	
2013	450.8	0.0	450.8	
2014	718.4	0.0	718.4	
2015	566.2	0.0	566.2	
2016	189.3	0.0	189.3	
2019	26.2	0.0	26.2	
2021	79.3	0.0	79.3	
2022	113.3	0.0	113.3	
2023	96.1	0.0	96.1	
2024	0.0	224.7	224.7	Re-establishment, May and June 2024
Totals	6,979.7	-3.2	6,976.5	

Awaiting re-establishment Prepared Not prepared	121.9 0 121.9	4.2	126.1 0 126.1	
	7,101.6	1.0	7,102.6	1.9 ha released to riparian areas from Cpt 418 (-1.3 ha) and Cpt 402 (-0.6ha); Prior error in Cpt 403 Nett Stocked Area (+3.9 ha); Prior error in Cpt429/3 (-1.0ha)

Table 1. Area statement as at 30th June 2024.

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4.4. Stand history, records and management

Stand records were maintained by PF Olsen until 2015 (Block A), which was the end of second rotation planting. The records passed on to PINC had partial details of initial planting density and subsequent thinning quality control.

No work was executed in Block A from handover at the end of 2015, until 2019. However, from 2019, some thinning has taken place, some old crop areas have been harvested and some early clear fell harvest of stands deemed too old to thin (due to wind damage risk), has also occurred. Harvesting of the mature second rotation crop has commenced, on a non-declining yield basis and with the aim of normalising the forest as quickly as possible. Production thinning is being done to minimise the overall cost of thinning and to utilise the growth already in the late thin stands.

The tending regime applied to the Block A second rotation crop, until 2015, was to execute one thin to waste at age 10 - 12 years (mean height of 14 to 16 m), to a final crop stocking of 350 - 400 stems per hectare (spha). Since 2019, thinning has been a combination of waste (steeper areas) and production (flatter areas), with a target final stocking of 450 - 500 spha. Average final stocking prior to 2019 was 377 spha and since 2019 average final stocking was 464 spha. There is a program in place to bring the entire tree crop into a thinned state, through a combination of production and waste thinning.

When HFMNZ (Manulife) handed over Block B to PINC, only one age class had been thinned (YOE 2011). A mechanised thinning operation commenced in Block B during June 2023. The program to thin the current crop in Block B is 1,664 hectares in extent. Stands in the Papakainga and Shenstone blocks have no stand records attached. The Shenstone block has been assumed to be YOE 2006 and at final stocking. The Papakainga area has assumed to be YOE2012, with a thinning still to take place, as per the neighbouring Block B stand 1/3.

Records are updated monthly, as operations in each stand are completed. External resources visit the forest monthly and provide guidance to staff involved in quality control and operational mark ups.



5. SUSTAINABLE YIELD ESTIMATION

5.1. Inventory

Approximately 56% of the current tree crop has some form of inventory. Most of this is in the form of thinning Pre-assessment (PA) and quality control (QC) data. 13% of the valuation area has had either mid rotation (MRI) or pre-harvest inventory (PHI), or both.

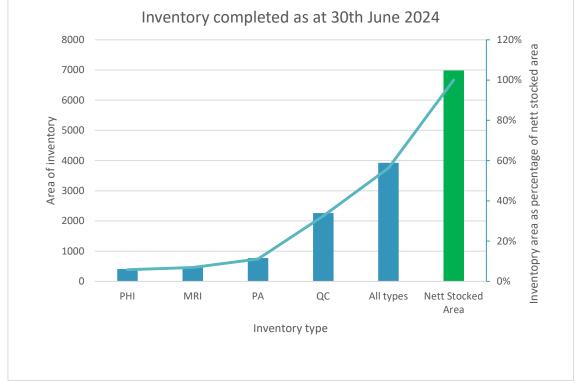


Figure 2. Area of inventory as proportion of production area.

5.2. Log grades

There are a limited number of domestic markets close to the PINC forest, one being in Kaitaia and another two near Waipapa. PINC supply into all of these markets. Export wharf gate is some distance away and is only supplied if domestic mills cannot take volume of available log grades. The strategy is to maximise volume into domestic mills and FSL has assumed a similar pattern of supply will prevail.

Grade	Description	Price point	Log length (m)	Branch size (cm)	Minimum SED (mm)
S30	Large domestic sawlog	Waipapa	4.9; 5.5; 6.1	7	300
V75	Large domestic sawlog	Kaitaia	4.9; 5.5; 6.1	7.5	250
RW	Domestic postwood	Waipapa	3.7; 7.4	7	80
SW	Industrial sawlog	Waipapa	3.7; 4.9	10	200
Α	Large export	Marsden Point	3.9; 5.9	12	300
К	Medium export	Marsden Point	3.9; 5.9	12	200
Pulp	Domestic pulpwood	Kaitaia	2.65; 5.3	UL	100

Table 2. Market potential log grades



5.3. Late thin areas

There is a significant area which had not been thinned to waste on time. A program to clear fell some of these areas and either production thin or waste thin the remainder, has been established and is progressing well. Some ground under the older un-thinned trees is too steep for production thinning. FSL has used LiDAR derived terrain models to estimate the late thin areas that will need to be thinned to waste, and this has been modelled.

5.4. Wood quality

Trees in the PINC forest are of high quality due to the soils and climate in the area. Typical of coastal sand forests, the wood is dense, with small branches and good form.

PINC will not use genetically modified seedlings.

5.5. Yield tables

Aggregation of tree crop areas (see Section 5) aligns with yield tables. A crop type is a group of stands which have similar yield expectations.

Data from 2019 harvests in older first rotation stands (+50 years old) was used to develop yield tables for all the older first rotation stands which need to be harvested.

In Block A, MRI and PHI data inventories were undertaken during 2018 and 2021. These inventories were processed though YTGEN software to generate estimates of yields for full rotation harvests to be undertaken into 2025/6. Mid rotation thinning pre -assessments and post thin quality control measures have also been collated from both blocks. Base data (Spha, DBH, MTH) from inventory results was input to the industry Pine Radiata calculator to estimate Site index and 300i parameters for coastal, middle and inland areas. Thinning to waste was modelled at 10 years old and production thinning was modelled at 15 years to derive clear-fell recoverable volume estimates from the respective regimes.

CLEARFELL YIELD TABLE	S							
			Large					TRV
Model	NSA (ha)	Age (yrs)	sawlog	Small sawlog	Industrial	Postwood	Pulp	(m³/ha)
Old Crop	156.6	50+	16%	16%	5%	0%	62%	275
CF-TTW-Inland	971.15	28	53%	24%	0%	2%	21%	567
CF-TTW-Middle	CF-TTW-Middle 2448.65 28		48%	29%	0%	2%	20%	504
CF_TTW_Coast	1854.5	28	47%	29%	0%	2%	22%	436
CF-PT-Inland	271.15	28	50%	26%	0%	2%	22%	554
CF-PT-Middle	697.55	28	44%	31%	0%	3%	22%	495
CF-PT-Coast 576.9 28		45%	32%	0%	2%	21%	429	
	6976.5							489

Data from yield tables used to assess sustainable yields are shown below:

Table 3. Clearfell Yield estimates by grade mix, as at set ages

CF-TTW = thin to waste regime CF-PT = production thinning regime



PRODUCTION THIN YIEL	D TABLES	Grade mix		
Model	Age (yrs)	Postwood	Pulp	TRV (m ³ /ha)
PT-Inland	15	50%	50%	100
PT-Middle	15	50%	50%	88
PT-Coast	15	50%	50%	72

Table 4. Production thinning yield estimates by grade mix, at 15 years.

5.6. Yield benchmarking

Average yields from 234 ha of production thinning during the last three financial years was 94 tonnes per hectare, from mainly middle stands at an average age of $16\frac{1}{2}$ years. Yields assumed in these models are $92m^3$ /ha from middle areas at age 17 years. Yield models appear realistic.

Average yield from 250 hectares of mature stands, at an average age of 24½ years, from January 2023 to June 2024, was 512 tonnes per hectare. The harvested area was in eastern, inland areas of Block A. Inland yield models used in this valuation deliver 488m³/ha at 24 years and 507m³/ha at 25 years (and 567m³/ha at 28 years). Yield models appear realistic.

5.7. Yield monitoring

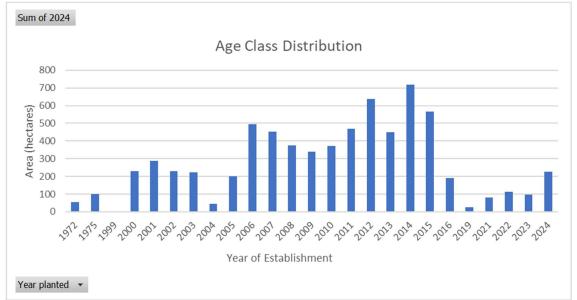
Actual yields from harvesting operations, in tonnes per hectare, are monitored monthly and year to date via monthly reporting processes. These are collated into an annual monitoring report.

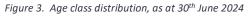


6. WOODFLOWS

6.1. Harvest strategy

The current age class distribution of the productive pine area is shown below:





PINC have a strategy to employ local people to staff operations on a continuous and sustainable basis. This is a multi-generational approach, quite different to an investor not connected to the land who may harvest at optimal age classes and employ contractors to come and go as the work program fluctuates. PINC have embarked on a harvest strategy which yields non-declining volumes and will eventually "normalise" the forest, ie have areas of equal productive capability in each annual age class from year 1 to rotation age (±27 years old).

The following constraints were applied to develop a harvest strategy.

- Production thinning will continue until there are no more late thin stands, on suitable terrain. This program for the current crop should end during FY 2027/8. There was 715 hectares of forest in this category at 30th June 2024, with a yield expectation of approximately 60,000m³.
- Continue harvesting second rotation thinned stands, with a minimum age of 24 years for the first five years, then 25 years. Maximum age 35 years. Annual clear fell harvest volume is set to be non-declining. Volumes start at 85,000m³ per annum and go up to 121,000m³, per annum from FY 2031/2.
- Old crop first rotation trees will be harvested annually, when production thinning comes to an end, constrained to a maximum of 10,000 m³ per annum, until all the first rotation trees in the valuation area have been harvested. There is 157 ha in this category with a yield expectation of approximately 43,000m³.
- It may not be feasible to production thin approximately 96 ha of late thin areas, which is not safe to thin by chainsaw. The woodflow model assumes it will fall into the production thin regime, but it will likely be clearfell harvested early instead, in synchronisation with the production thinning program.



The harvest strategy is to create a continuous non-declining wood flow from clearfell operations for the PINC Forest, i.e., the third rotation would continue seamlessly at an annual production of 121,000m³.

Woodflows from currently growing stock, using current yield models, to target a normalised forest, are presented below:

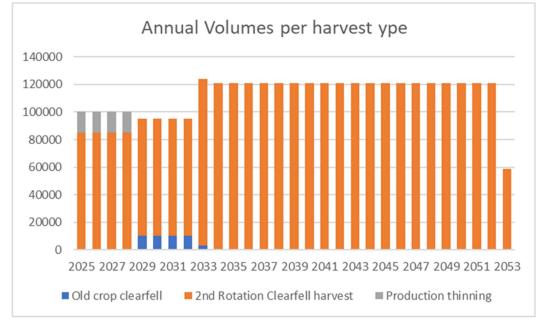


Figure 4. Annual wood flow

6.2. Investigations into alternative regimes

PINC has investigated alternatives to the current strategy. The current woodflow model assumes we will continue production thinning in the late thin stands until that program is complete and then conduct all thinning to waste after that, targeting average tree heights of between 11m and 15m and final stocking of 450 spha. Clearfell age is expected to average about 27 years when the forest becomes normalised.

One of PINC's domestic markets is a post producer and they find it difficult to find reliable long term supply. A strategy to continue production thinning to produce posts for that market, and/or assign some of the estate to a short rotation post regime has been investigated and a long term supply agreement has been made. PINC must update the woodflow models to fully reflect this change, but this will only be done during the 2024/5 financial year. The strategy to normalise the forest with a non-declining yield, remains in place.



7. OPERATIONAL PLANNING AND CONTROL

7.1. Long term and medium term plans

The harvest strategy to deliver a sustainable harvest volume and linking that into available markets is the starting point for long term planning. Long term and medium term operational schedules are largely allocated on an age class basis.

Annual Operational Plans schedule compartments and stands to fit medium and long term plans. Each compartment requiring some form of treatment requires the preparation of an operational plan.

7.2. Operational Plans

All operations require an operational plan covering

- Hazard assessment
- Environmental risk assessment, including statutory requirements
- Assessment of heritage and cultural constraints
- Operational prescriptions
- Supporting maps in digital and paper formats

7.3. Operational Methods

- a) Planting
 - All planting is re-plant of harvested areas.
 - Rule of thumb is that areas harvested between January and December each year are planted the following winter.
 - Pre-plant planning includes assessment of environmental values and a review of setbacks from sensitive areas such as waterways, riparian zones, indigenous vegetation and sites of cultural significance.
 - Slash from harvesting is left broadcast, unless it will impede planting results.
 - Pre-plant spraying is done by contracted aerial operations using Glyphosate and Brushkiller herbicides. Only herbicides approved for use by FSC protcols are used. Contractor supplies chemicals and these are not handled or stored by PINC staff.
 - Planting is done manually, using plant boxes and planting spades
 - Slow release fertiliser, is applied for each new seedling at the same time as planting. Fertiliser is applied only to help the seedlings get a good start. Slow release fertilisers are used to avoid risks of leaching to waterways.
- b) Tending
 - Weed assessments to date have not resulted in prescription of chemical application and the only tending required has been hand pulling of pine regeneration from prior crop seed.
- c) Thin to waste
 - Where thinning takes place, this is done either by chainsaw, or tracked machine.
 - Stands are thinned to 500 stems per hectare (±50 spha).
 - Thinning by chainsaw (manual method) has typically low environmental impacts. Prescriptions protect sensitive areas such as rivers and indigenous vegetation. Sites of cultural significance cannot be damaged and therefore do not require pre-operational assessment.
 - Thinning by machine (mechanised method), can potentially damage sites of cultural significance and so these need to be assessed prior to operations. Prescriptions protect



other environmental values such as rivers and indigenous vegetation. Pre-operational assessment should include drone imagery to identify areas where it is necessary t thin and areas where this is not necessary.

- d) Production thinning
 - Production thinning areas are only on terrain with gentle slopes, as the remaining crop trees would get damaged and the operation is also not feasible on steep slopes for cost, health and safety reasons.
 - A full harvest plan needs to be prepared prior to operations commencing
 - The operation is fully mechanised with felling and processing of logs by tracked machine and extraction by forwarder.
 - An interrow is cut and trees in-between the interrows are thinned out to arrive at target stocking of 500spha (±50).
- e) Clearfell harvest
 - Clearfell harvest is being executed on long and short rotation regimes.
 - A full harvest plan needs to be prepared prior to operations commencing
 - Operations are highly mechanised with the only manual elements being felling by chainsaw where slopes are too steep for machines and log QC.
 - Long rotation felled trees are typically bunched for a skidder to extract to landings, where logs are processed and loaded out.
 - Short rotation harvest usually uses a forwarder to extract logs which are processed by felling machines in the cutover the same crew is used for production thinning and short rotation cllearfell.

7.4. Operational controls

All operations need to be monitored on an ongoing basis with records of such being prepared at least once post operation and sometimes with in-progress reporting as well. Minimum requirements are:

- a) Planting
 - PINC staff are present at aerial dessiccation operations to ensure spraying is executed under appropriate weather conditions and that over spray does not occur. Although PNC staff do not handle chemicals, the staff used to monitor spraying undergo an annual health check.
 - Quality Control (QC) sample plots during planting
 - Map and stand record updates to reflect the new crop status after planting
 - Seed certificates are obtained to verify sources. It is policy that GMOs are not used.
 - Survival and competition assessments in the autumn following planting
- b) Tending
 - Survival assessments also inform status of natural regeneration and presence of other weeds
 - At other times, conduct a walk through assessment of weeds, before and after treatment
- c) Thinning to waste
 - Before and after assessments by sample plots and/or transects
 - Monthly mark up of completed areas
 - Stand record updates to reflect the status after thinning
- d) Production thinning
 - Before and after assessments by sample plots and/or transects
 - Monthly monitoring inspections and mark up of completed areas



- Stand record updates to reflect the status after thinning
- e) Clear fell harvest
 - Monthly harvest monitoring inspections and mark up of completed areas.
 - Stand record updates to reflect the status after harvesting (cut-over)



7.5.	Annual Operational Plan July 2024 to June 2025.	
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		Cpt-stand	YOE	Stocked Area	Work area	Priority 1 Lands	<u>ESC</u>	Fish Spawning	Historic and cultural sites	Water	Indigenous Vegetation	HCVA	NRC	FND
Harvest	Clearfell - mature Budget 165 ha / 78375 tonnes	403-1	2000	175.8	111.9	Yes, Northern sector, aligns with LOW ESC area	60% moderate; 40% low	Redfin Bully; Aug-Oct	nil	4H river adjacent	Riparian and potentially other in northern sector	nil	nil	ni
		404-3	2000	31.4	31.4	nil	Moderate	nil	N03/737; N03/738; N03/739; N03/740	ephemeral (5)	nil	nil	nil	ni
		405-3	2000	50.5	21.7	nil	Moderate	nil	nil	4L river through western sector	Riparian ?	nil	nil	n
		406-2	2000	36.5	0	nil	Moderate	Banded Kokopu: May and June (head of river in south-west corner)	nil	Head of fish spawning river flows out of south- west corner	Riparian and other patches?	nil	nil	n
					165									
larvest	Clearfell - Short Rotation Budget 60 ha / 19,500 tonnes	434-1	2004	31.3	29	nil	moderate	nil	nil	ephemeral (5)	nil	nil	nil	n
		434-2	2004	26.4	16.3	nil	moderate	nil	nil	ephemeral (5)	nil	nil	nil	r
		1-3	2012	78.6	5	nil	moderate	nil in harvest area	N02/ 974; 975	ephemeral (5)	nil in harvest area	nil	nil	
		429-2	2007	15.8	15.8	nil	moderate	nil	nil	4H river, and lake internal to harvest area	Riparian	nil	nil	
		417-1	2004	43.5		nil	moderate	nil	nil	Pukekura Stream, flows through western sector and adjacent northern boundary. Lake Kihona adjacent northern boundary	Riparian - HCV	Riparian zones along Pukekura Stream and adjacent Lake Kihona	nil	r
					66.1									
						Priority 1 Lands	ESC	Fish Spawning	Historic and cultural sites of significance	Water	Indigenous Vegetation	<u>HCVA</u>	NRC	FN
Thin	Production Budget 150 ha / 15,000 tonnes	431-1	2007	103.1	103.1	nil	moderate	nil	N02/1123	4H river adjacent NW boundary	Riparian	nil	nil	r
		436-1	2008	151.1	91.1	nil	moderate	nil	nil	4H river adjacent NW boundary	Riparian	nil	nil	
		443-1	2010	204.5		nil	moderate	nil	nil	ephemeral (5)	nil	nil	nil	
		442-1	2010	72		nil	moderate	nil	nil	ephemeral (5)	nil	nil	nil	

 Table 5.
 Annual operational plan (part 1) 2024/25



						Priority 1 Lands	ESC	Fish Spawning	Historic and cultural sites of significance	Water	Indigenous Vegetation	<u>HCVA</u>	NRC	FNDC
Thin	Waste (Manual) Budget 300 ha	442-1	2010	131.2	24.7	nil	moderate	nil	nil	4H river adjacent South boundary	nil	nil	nil	nil
		446-1	2011	97	53.8	nil	moderate	nil	nil	4H river adjacent South boundary	nil	nil	nil	nil
		433-1	2008	80.6	33.9	nil	moderate	nil	N03/ 30; 35	ephemeral (5)	nil	nil	nil	nil
		433-2	2008	8.3	4.3	nil	moderate	nil	N03/36	ephemeral (5)	nil	nil	nil	nil
		455-1	2015	116.3	58.1	yes, eastern half	moderate	nil	N02/`835	4H northern and eastern flanks	Northern and eastern low areas	nil	nil	nil
		456-1	2015	94.2	94.2	nil	moderate	nil	N02/1127?	4H flows to farm; lake and/or wetlands in middle of the stand	Riparain around wetlands, and in low lying areas adjacent southern and western boundaries	nil	nil	nil
		2-5	2015	141.9	31	nil	High in northern sectors; Moderate in the south	Adjacent westrn boundary of southern sector	nil	Class 4 river runs through the middle of the stand	Riparian - HCVA	Yes, Riparian zone and river in valley running through the middle of the stand	nil	nil
		3-10	2015	77.1		nil	Modertae	nil	nil	4H river adjacent western and northem boundaries	Riparian - HCVA	Yes, riparian zone and river adjacent western and northern boundaries	nil	nil
					300									
Thin	Thin to Waste - mechanised	Cpt-stand	YOE 2012	Stocked Area 93.7	Work area 29.5	Priority 1 Lands	<u>ESC</u> 50/50	Fish Spawning	Historic and cultural sites of significance	<u>Water</u> 4H adjacent southern flank and 4L adjacent northern flank, into	Indigenous Vegetation Riparian	HCVA Adjacent southerm	<u>NRC</u>	<u>FNDC</u> nil
	Budget 200 ha	•					moderate/low	yes, along		HCV riparian zones to the east 4H adjacent southern		and eastern flanks Adajacent		
		5-28	2012	82.5	82.5	nil	50/50 moderate/low	southern boundary	nil	flank and eastern finger	Riparian	eastern finger	nil	nil
		5-26	2012	20.1	20.1	nil	80% moderate; 20% low	nil	nil	ephemeral (5)	nil	nil	nil	nil
		1-11	2012	4.1	4.1	nil	Moderate	nil	nil	ephemeral (5)	nil	nil	nil	nil
		1-3	2012	85.1	63.8	nil	moderate	yes, 400m of river in middle of stand	N02/887; 967; 968; 969; 970; 971; 972; 973; 974; 975; 976; 977; 978; 979; 980	4H river in middle of block; harbour adjacent north boundary	Riparian	nil	nil	nil
		Cpt-stand	YOE	Stocked Area	200 Work area	Priority 1 Lands Yes, Northern	ESC About 50/50 Low	Fish Spawning	Historic and cultural sites of significance	Water	Indigenous Vegetation Riparian and	HCVA	NRC	FNDC
Re-plant	Re-plant June 2025 Budget 225 ha	403-2		225.6	200	sector, aligns with LOW ESC area	(in north-east sector) and Moderate	Redfin Bully; Aug-Oct	nil	4H river adjacent northern boundary	potentially other in northern sector	nil	nil	nil
		434-3		57.7	57.7	nil	moderate	nil	Nil	ephemeral (5)	nil	nil	nil	nil
			YOE	<u>Total</u> <u>Area</u>	257.7 Total Planned <u>Area</u>		ESC	Fish Spawning	Historic and cultural sites of significance	<u>Water</u>	Indigenous Vegetation	HCVA	NRC	FNDC
Tend (Release)	Budget 160 ha	419-2	2023	43.8	43.8	nil	moderate	nil	nil	ephemeral (5)	nil	nil	nil	nil
		420-2	2023	42.5	42.5	nil	90% Moderate; eastern fringes Low	nil	nil	yes, eastern wetland areas	Eastern wetland areas	Lake Wahakari, eastern flank	nil	nil
		429-3	2023	9.8	9.8	nil	moderate	nil	nil	yes, lake; Rivers 4H and 4M	Riparian only	nil	nil	nil
		401-3	2024	61.8	61.8	nil	moderate	nil	Nil	ephemeral (5)	Nil	nil	nil	nil
		402-2	2024	85.8	85.8	yes, but not included in 2024 winter plant area	moderate	nil	N03/3; N03/780; N03/781	4H river	Riparian only	nil	nil	nil
		418-3	2024	77.3	77.3	nil	moderate	nil	Nil	Lake; Rivers 4H and 4M	Riparian only	nil	nil	nil
		418-3	2024	77.3	77.3 321	nil	moderate	nil	Nil	Lake; Rivers 4H and 4M	Riparian only	nil	nil	ni

Table 6. Annual operational plan (part 2) 2024/25



8. FOREST PROTECTION

8.1. Fire Protection

With weather patterns normally experienced in New Zealand during the period late spring/summer, fire can be a real threat to the forest. This can be minimised by:

- Having an effective fire plan;
- Active prevention measures which include restrictions on allowable access, fire prevention signage, publicity when fire danger prevails, access to adequate water sources, constructing and maintaining firebreaks, and selective forest grazing to reduce fuel within stands;
- Effective detection systems which include good communication systems, mapping, and fire plan alert procedures;
- A close link with the relevant fire authorities, and an understanding of equipment and trained manpower requirements, and
- Good forest management that recognises the influence of terrain, roading network and accessibility, and fuel build-up from silvicultural practice, that will influence fire prevention and control measures.

PINC has insured the forest against fire damage. Current insurance cover can be summarised as follows:

Policy Loss Limit \$7,000,000 any one claim & in the aggregate Fire, impact Malicious Damage limit \$39,335,284 Volcanic Eruption limit \$100,000 Hail limit \$40,000 Earthquake limit \$100,000 Landslip limit \$100,000 Strike Riot and Civil Commotion \$100,000 Wind limit Not taken Flood Not taken Snow & Ice Not taken Pest & Disease Not taken Limits above set against the above perils are the maximum payable as a result of that peril. All sums insured are any one claim and, in the aggregate, any one year. Where there is no value expressed against any peril above, then no cover is provided.

PINC have their own Fire Engine and basic fire fighting equipment. They undertake staff training every year prior to fire season commencing and provision a standby roster during the annual end of calendar year operational shut down (end December to begin January).

A separate Fire Plan provides more detail.

8.2. Forest Health

As shown under land description, soils are not very fertile, being low in nitrogen, phosphate copper and sometimes boron. This is typical of these coastal areas. There is anecdotal evidence that midrotation fertilising has been considered in Block A, but never implemented due to the lack of a convincing cost-benefit argument. Fertilising was done in a part of Block B, where 210 hectares of the 415 hectares planted during 2012 was fertilised during 2017 (293kg/ha Triple Superphosphate and 261 kg/ha Urea). No other fertilising has taken place, and none is planned.



The last health survey to hand, for Block A, was completed end 2011 (aerial survey at 1,000m parallel transects), to beginning 2012 (ground survey, drive through with 15 health plots). No significant pest or pathogen issues were found. The last health survey to hand, for Block B, was completed end 2019 (ground survey, drive through with 10 health plots). YOE2012 areas were noted to be struggling, despite the application of fertiliser during 2017.

Ongoing informal monitoring by operational staff has revealed no unexpected health issues in the forest. A formalised program of foliage sampling should be taken into consideration and the midrotation fertilising argument should be left open for further discussion.

8.3. Pest Control

The Pest Management Plan provides more detail on control of pests, or potential pests in the natural environment.

Animal pests include opossum, wild dogs, pigs and horses.

Plant pests include: Acacia – throughout the forest Oxylobium - mainly Block B Gorse – throughout the forest Pampas – throughout the forest Wilding pines – mainly in dune lands.

Young trees are monitored for weed competition and controlled to ensure tree crop survival and growth.

Access can be restricted where weeds such as Acacia encroach low usage roads. Roads need to be monitored and a program to maintain key routes open needs to be followed.

Note that biological control agents are not used and a full risk assessment by suitably qualified people would need to be carried out if such was considered.

9. CULTURAL AND HERITAGE MATTERS

9.1. Archaeology

Under the Heritage New Zealand Pouhere Taonga Act 2014 it is the landowner's responsibility to identify any historic sites on their land prior to undertaking any work which may disturb or destroy such sites. Records of archaeological and historical places are maintained in the NZ Archaeological Association (NZAA) Site Recording Scheme <u>http://www.archsite.org.nz/</u>.

PINC has engaged the services of Sunrise Archaeology to advise on regulated matters related to archaeology. Sunrise Archaeology has assisted PINC to obtain 3 active authorities from Heritage New Zealand. Work continues to assess sites before and after operations, for compliance with authority conditions and discovery of new sites.

A local committee is in place to assist management in protecting sites of cultural significance. Some sites, known to local Iwi and considered important, but not included in official records, are also protected.

There are numerous archaeological sites located within and adjacent to the boundaries of this forest estate. Surveys commissioned in recent years have resulted in more exact locations being fixed for



many of these sites. Location of archaeological sites recorded on the NZ Archaeological site register (including updated locations) and culturally significant sites as published in the Far North District Council Plan are shown in Appendix 11.5

Note: Consents to modify a "registered" archaeological site as scheduled in the Far North District Plan also requires resubmission of the Heritage NZ application to the District Council for an additional resource consent from that organisation.

Identification of sites of significance and how to work around those is a key element in operational planning processes.

10.CITES

CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora) is an international agreement between governments.

Its aim is to ensure that international trade in specimens of wild animals and plants does not threaten the survival of the species in the wild, and it accords varying degrees of protection to more than 34,000 <u>species</u> of animals and plants.

The full list of New Zealand CITES listed species are available online at http://www.doc.govt.nz/about-doc/role/international/endangered-species/cites-species/nz-cites-listed-species/.

PINC does not trade in any listed species.



11.APPENDICES

11.1. Legal titles



RECORD OF TITLE UNDER LAND TRANSFER ACT 2017 FREEHOLD Search Copy



Identifier NA71D/732

Land Registration District North Auckland Date Issued 13 July 1989

Prior References NA45A/819

Estate	Fee Simple		
Area	6248.3456 hectares more or less		
Legal Description Parengarenga A Block			
Registered Owners			
The Proprietors of Par	rengarenga A Block		

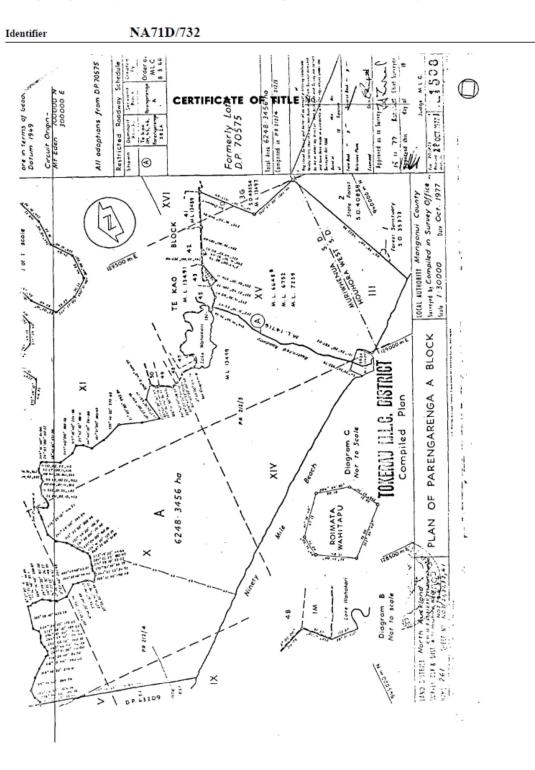
Interests

8789545.1 Notice pursuant to Section 195(2) Climate Change Response Act 2002 - 14.6.2011 at 7:00 am

10329807.1 Forestry Right pursuant to the Forestry Rights Registration Act 1983 to The Proprietors of Parengarenga A Block - 13.4.2016 at 1:02 pm

10329807.2 Mortgage of Forestry Right 10329807.1 to Maori Trustee - 13.4.2016 at 1:02 pm





Transaction ID 66008513 Client Reference Search Copy Dated 20/08/21 2:15 pm, Page 2 of 3 Register Only





Prior References NA51B/716

 Estate
 Fee Simple

 Area
 3977.7145 hectares more or less

 Legal Description
 Part Parengarenga B3C Block

 Registered Owners

 Members of the Committee of Management of Parengarenga 'A' Incorporation

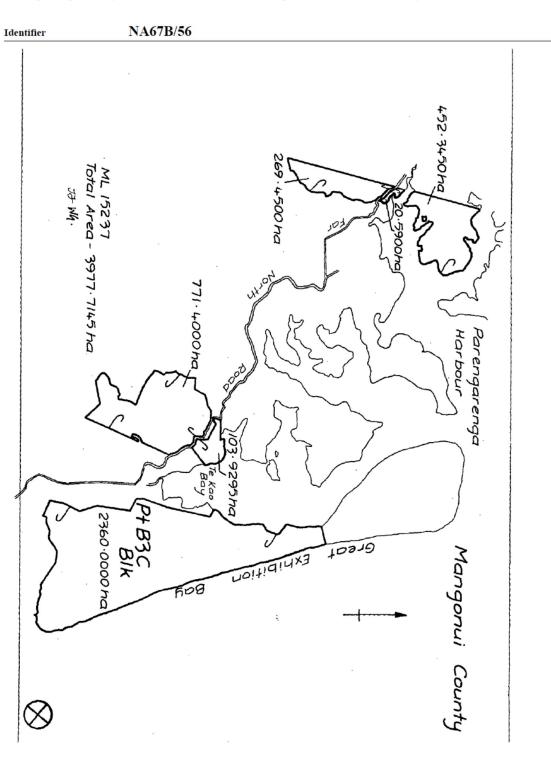
Interests

Appurtenant hereto is a right of way created by Provisional Register embodied in the register NAPR4A/561 Appurtenant hereto is a right of way created by Provisional Register embodied in the register NAPR4A/543 Appurtenant hereto is a right of way created by Provisional Register embodied in the register NAPR542 Appurtenant hereto is a right of way created by Provisional Register embodied in the register NAPR542 Subject to Part XXIV Maori Affairs Act 1953

8554851.1 Partition Order vesting Ngatekawa Block CIR 531293 issued - 29.7.2010 at 7:00 am Appurtenant hereto is a right of way created by Easement Instrument 8623369.2 - 23.12.2010 at 12:51 pm 8932382.1 Notice pursuant to Section 195(2) Climate Change Response Act 2002 - 5.12.2011 at 4:36 pm 9168904.1 Notice pursuant to Section 195(2) Climate Change Response Act 2002 - 31.8.2012 at 4:52 pm

Transaction ID 70209409 Client Reference Guaranteed Search Copy Dated 28/08/22 11:45 am, Page 1 of 3 Register Only





Transaction ID 70209409 Client Reference Guaranteed Search Copy Dated 28/08/22 11:45 am, Page 2 of 3 Register Only





RECORD OF TITLE UNDER LAND TRANSFER ACT 2017 FREEHOLD



Guaranteed Search Copy issued under Section 60 of the Land Transfer Act 2017



Identifier NA56D/1466

Land Registration District North Auckland Date Issued 30 January 1987

Prior References NA51B/716

Estate	Fee Simple
Area	8.6705 hectares more or less
Legal Description	Lot 1 Deposited Plan 103374
Registered Owners	

Members of the Committee of Management of Parengarenga 'A' Incorporation

Interests

Appurtenant hereto are rights of way created by Provisional Register NA229/137

Appurtenant hereto are rights of way created by Provisional Register NA4A/542

Appurtenant hereto are rights of way created by Provisional Register NA4A/543

Appurtenant hereto are rights of way created by Provisional Register NA4A/561

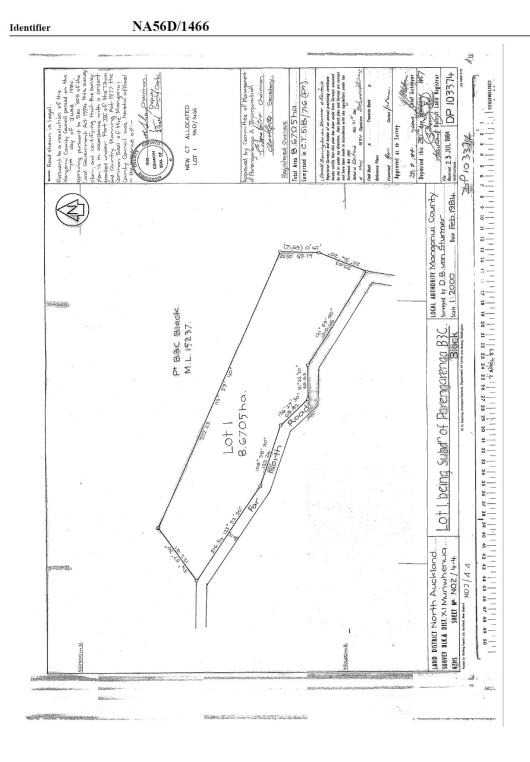
Subject to Part Section XXIV Maori Affairs Act 1953 (affects part)

8932382.1 Notice pursuant to Section 195(2) Climate Change Response Act 2002 - 5.12.2011 at 4:36 pm

12082829.1 Status order declaring that the status of the within land shall cease to be General Land and shall become Maori Freehold Land - 9.4.2021 at 12:08 pm

Guaranteed Search Copy Dated 21/09/22 7:08 am, Page 1 of 3 Register Only





Transaction ID 70468197 Client Reference Guaranteed Search Copy Dated 21/09/22 7:08 am, Page 2 of 3 Register Only



-		0.000	manage		nits – Bic						
					PROGRAM						
			5018.5	4892.4	1869.1	1989.7	1159.7				
Blo∵	Cm 📬	Stand	Total	Plantc	Prod thin	Thin2	Short	Specing	YOF	Seedlot	Rotation
-T-			area 🚬			waste	Rotati				
A	240	1	36.8	36.8	18.4	18.4		P.rad	1975	?	1
Α	247	2	64.3	64.3	32.1	32.2		P.rad	1975	?	1
Α	401	3	61.6	61.6		61.6		P.rad	2024	23/227; 23/501	3
Α	402	2	85.8	85.8		0	85.8	P.rad	2024	23/227; 23/501	3
Α	402	3	12.4	0		12.4		P.rad	2024		
Α	403	1	111.9	111.9	55.9	56		P.rad	2000	95/290	2
Α	403	2	101.3	0	56.9	44.4		P.rad	AR		
Α	404	3	31.4	31.4	15.7	15.7		P.rad	2000	96/30	2
Α	404	4	12.8	12.8	6.4	6.4		P.rad	1972	?	1
Α	404	5	5.4	5.4		0	5.4	P.rad	2022	20/224	3
А	405	3	50.5	50.5	25.3	25.2		P.rad	2000	95/290	2
А	405	4	42.7	42.7	21.4	21.3		P.rad	1972	?	1
А	405	5	7.9	7.9		0	7.9	P.rad	2021	20/753	3
Α	406	2	36.5	36.5	18.2	18.3	-	P.rad	2000	95/290	2
		_								00/217; 99/387;	_
A	407	1	68.2	68.2	34.1	34.1		P.rad	2001	98/611	2
А	408	1	218.4	218.4	109.2	109.2		P.rad	2001	00/217; 00/514; 98/611; 99/387	2
Α	409	1	80.8	80.8	40.4	40.4		P.rad	2002	01/212	2
Α	410	1	78	78	39	39		P.rad	2002	01/212	2
Α	411	1	69.7	69.7	34.9	34.8		P.rad	2002	01/212	2
Α	412	1	73	73	36.5	36.5		P.rad	2003	02/307	2
Α	413	1	90.3	90.3	45.1	45.2		P.rad	2003	01/212	2
Α	414	1	58.2	58.2	29.1	29.1		P.rad	2003	02/307	2
Α	415	2	65.5	65.5		0	65.5	P.rad	2021	20/753	3
Α	416	2	82.3	82.3		0	82.3	P.rad	2022	20/224	3
Α	417	1	43.5	43.5		0	43.5	P.rad	2004	03/202	2
Α	418	3	77.3	77.3	77.3	0		P.rad	2024	23/227; 23/501	3
Α	419	2	25.6	25.6		0	25.6	P.rad	2022	03/202	3
Α	419	3	43.8	43.8		0	43.8	P.rad	2023	21/597; 22/651	3
Α	420	2	42.5	42.5	21.3	21.2		P.rad	2023	21/597; 22/651	3
Α	421	1	51.9	51.9	26	25.9		P.rad	2005	04/216	2
Α	422	1	46.4	46.4	23.2	23.2		P.rad	2005	04/216	2
Α	422	2	27.3	27.3	13.6	13.7		P.rad	2005	06/204	2
Α	423	1	23.5	23.5	11.8	11.7		P.rad	2005	04/216	2
Α	424	1	52.5	52.5		0	52.5	P.rad	2005	04/216	2
А	425	1	111	111	55.5	55.5		P.rad	2006	05/210	2
А	426	1	87.2	87.2	43.6	43.6		P.rad	2006	05/210	2
А	427	1	78.8	78.8	39.4	39.4		P.rad	2006	05/210	2
Α	428	1	125	125	62.5	62.5		P.rad	2006	05/202; 05/210	2
А	428	2	11.9	11.9	5.9	6		P.rad	2007	06/204	2
А	429	1	57.8	57.8	28.9	28.9		P.rad	2007	06/204	2
А	429	2	15.8	15.8		0	15.8	P.rad	2007	06/204	2
А	429	3	9.8	9.8		9.8		P.rad	2023	21/597; 22/651	3
A	430	1	85.8	85.8	42.9	42.9		P.rad	2007	06/204	2
A	431	1	103.1	103.1	103.1	0		P.rad	2007	06/204; 06/206	2
A	432	1	177.5	177.5	88.8	88.7		P.rad	2007	06/204	2
A	433	1	80.6	80.6	46.7	33.9		P.rad	2007	07/204	2
A	433	2	8.3	8.3	40.7	4.3		P.rad	2008	06/876	2

11.2. Forest Management Units – Block A



Blo≏	Cmnt	Stand	Total	Planted	Prod thin	Thin2	Short	Specion	YOF	Seedlot	Rotation
л. <mark>Т</mark>	- Cill		area 🔨		FIGUT	waste 🚬	Rotati	speci	101	Jeeulot	Notati -
Α	434	1	29	29		0	29	P.rad	2008	07/204	2
А	434	2	16.3	16.3		0	16.3	P.rad	2008	06/876	2
Α	434	3	12.4	0		0	12.4	P.rad	AR	06/876	2
Α	435	1	90.8	90.8	45.8	45		P.rad	2008	07/204; 07/205	2
Α	436	1	151.1	151.1	91.1	0	60	P.rad	2008	07/204	2
А	437	1	97	97	48.5	48.5		P.rad	2009	08/206	2
Α	438	1	131.2	131.2	65.6	65.6		P.rad	2009	08/206	2
Α	439	1	106.2	106.2	53.1	53.1		P.rad	2009	08/206	2
Α	440	1	6.8	6.8	3.4	3.4		P.rad	2009	08/206	2
Α	441	1	50.1	50.1		50.1		P.rad	2010	09/218	2
Α	442	1	72	72	45.3	26.7		P.rad	2010	09/218	2
А	443	1	204.5	204.5	91.2	113.3		P.rad	2010	09/218	2
Α	444	1	46.8	46.8		46.8		P.rad	2010	09/211; 09/218	2
А	445	1	23.2	23.2		0	23.2	P.rad	2011	10/204	2
А	446	1	107.6	107.6	53.8	53.8		P.rad	2011	10/204	2
Α	447	1	51.9	51.9		0	51.9	P.rad	2011	10/204	2
Α	448	1	22.4	22.4		0	22.4	P.rad	2011	10/204	2
Α	449	1	68.5	68.5		0	68.5	P.rad	2012	11/202	2
Α	450	1	169.2	169.2		0	169.2	P.rad	2012	11/202	2
А	451	1	85.3	85.3		0	85.3	P.rad	2013	12/202	2
Α	452	1	139.7	139.7		139.7		P.rad	2014	13/209	2
Α	453	1	155.1	155.1		0	155.1	P.rad	2014	13/209; 10/216	2
Α	454	1	6.2	6.2		0	6.2	P.rad	2014	13/209	2
Α	455	1	116.3	116.3	58.2	58.1		P.rad	2015	14/204	2
Α	456	1	94.2	94.2		94.2		P.rad	2015	14/204	2
Α	457	1	26.2	26.2		0	26.2	P.rad	2019	08/206; 09/218	2
А	458	1	5.9	5.9		0	5.9	P.rad	2021	20/753	3

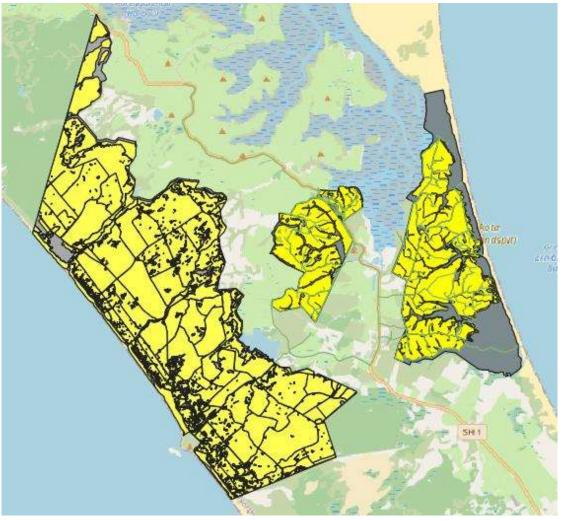


					PROGRAM	I FROM 1 J	ULY 2024			7102.6	
			2084.1	2084.1	46.5	1837	200.6				
Blc⊊⊭	Cmา	Stard	Total area	Plant	Prod thip	Thin2 waste	Short Rotatie	Specing	YOF	Seedlot	Rotatic
В	5	21	25.9	25.9		25.9		P.rad	2011	08/795	2
В	5	22	11.5	11.5		11.5		P.rad	2011	08/795	2
В	7	16	225.1	225.1		225.1		P.rad	2011	08/795	2
В	1	11	4.1	4.1		4.1		P.rad	2012	11/630	2
В	1	3	78.6	78.6		78.6		P.rad	2012	11/630	2
В	5	25	12.9	12.9		12.9		P.rad	2012	11/630	2
В	5	26	19.4	19.4		19.4		P.rad	2012	11/630	2
В	5	27	90.4	90.4		90.4		P.rad	2012	11/630	2
В	5	28	79.6	79.6		79.6		P.rad	2012	11/630	2
В	5	30	51.5	51.5		51.5		P.rad	2012	11/630	2
В	6	9	64.1	64.1		64.1		P.rad	2012	11/630	2
В	3	8	93.1	93.1		93.1		P.rad	2013	12/600	2
В	4	5	42.7	42.7		42.7		P.rad	2013	12/600	2
В	5	31	96.4	96.4		96.4		P.rad	2013	12/600	2
В	6	14	133.3	133.3		133.3		P.rad	2013	12/600	2
В	3	9	107.5	107.5		107.5		P.rad	2014	13/645	2
В	4	6	88.9	88.9		88.9		P.rad	2014	13/645	2
В	4	7	98.6	98.6		20.4	78.2	P.rad	2014	13/304	2
В	6	16	122.4	122.4		0	122.4	P.rad	2014	12/600	2
В	2	5	141.9	141.9		141.9		P.rad	2015	14/546	2
В	3	10	77.1	77.1		77.1		P.rad	2015	14/546	2
В	4	9	16.3	16.3		16.3		P.rad	2015	13/660B	2
В	5	32	40.7	40.7		40.7		P.rad	2015	13/660B	2
В	6	17	59.7	59.7		59.7		P.rad	2015	13/660B	2
В	7	17	20	20		20		P.rad	2015	14/546	2
В	2	6	86.4	86.4		86.4		P.rad	2016	13/645; 14/546	2
В	3	12	47.6	47.6		47.6		P.rad	2016	14/546	2
В	3	13	55.3	55.3		55.3		P.rad	2016	14/546	2
В	8	1	93.1	93.1	46.5	46.6		P.rad	2006	?	2

11.3. Forest Management Units – Block B

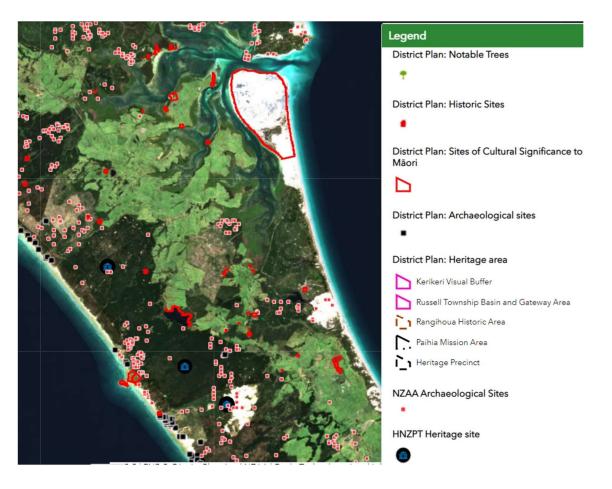


11.4. Map of afforested areas



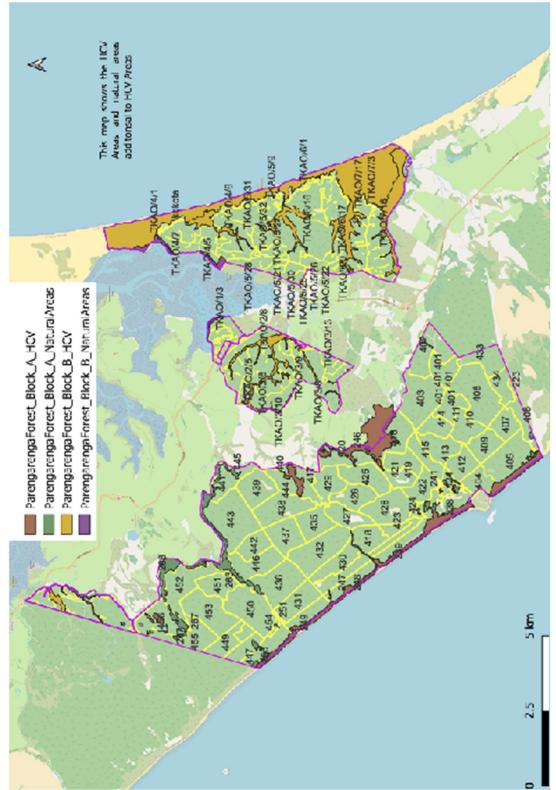


11.5. Sites of Significance - Map





11.6. Map of Natural Areas



Note: These areas are fully described in Wildlands' Contract Report No. 6667 dated January 2023, "NATURAL AREA SURVEY AND ASSESSMENT OF HIGH CONSERVATION VALUE AREAS OF PARENGARENGA FORESTS, NORTHLAND"



11.7. Appendix D – FSC® reconciliation

Appendix D of the FSC Standard requires that certain issues be included in the Forest Management Plan (FMP). Many of these issues are already included in the 'body' of this FMP. The detail required for those that are not referred to in the FMP is set out below:

PRINCIPLE	CRITERIA	RESPONSE
P2	Workers' rights, occupational health and safety, gender equality	NZ has not ratified all eight of the core ILO Labour Conventions. Notwithstanding that, the Incorporation complies with the principles contained in all those conventions. The Incorporation also complies with the
		Employment Relations Act and other employment related legislation. The Incorporation has a 'health & Safety Management System that complies with the Health and Safety at Work Act, the Approved Code of Practice for Safety and Health in Forest Operations and the ILO Code of Practice on Safety and Health in Forestry Work.
		The Incorporation has a comprehensive 'Equal Employment Opportunities' policy that addresses all of the requirements of the Standard. Details relating to Parental Leave and Employment Protection are provided in the Incorporation's employment agreement and in the Incorporation's Leave and Absenteeism Management Policy.
P3, 4 & 5	Indigenous Peoples, community relations, local economic and social development	The Incorporation is tangata whenua in respect of the land on which the forest is situated. Legal rights in respect of the land sit solely with the Incorporation.
		Customary rights in respect of the Incorporation's land include access through the forest, access for recreational hunting and joint kaitiaki oversight with Te Runanga Nui o Te Aupōuri in respect of HCV sites and arc sites (taonga) and other environmental issues as and when these arise.
		Most of the Incorporation's forestry employees live close to the forest. Wages paid for forestry employees are in excess of \$15m annually. This is a significant contribution to the local economy. In addition, the Incorporation also contributes by way of what can be called a 'social dividend' by providing



		financial support for the local marae, churches, school and sporting clubs.
P3,4,7 & 9	Stakeholder engagement and the resolution of disputes and grievances	The Incorporation has formed a 'Community Advisory Group' consisting of representatives from the community and local Iwi. This group meets as required and provides valuable input into a range of cultural issues.
		The Incorporation has a 'Disputes Policy' that can be accessed via <u>www.parengarenga.co.nz</u> . This Policy specifies how disputes / grievances are to be managed and also maintains a record of all disputes / grievances.
P6	Rare and threatened species (RTE's) and habitats	Pine provides some habitat for RTES. However, the Incorporation has identified 23 natural / high conservation value areas, and it is within these areas where most of the native flora and fauna exist. It is within these areas that most of the RTES in our forest exist. These areas are protected – they are not planted in pine. They are assessed / monitored on an annual basis. In addition, an Environmental Impact Assessment is completed prior to work starting in a new block. Harvest Plans ensure that natural / high conservation value areas are protected. In addition, the Incorporation works with the Northland Regional Council and local Iwi with a joint approach to pest management
P6	Water bodies and riparian zones	There are multiple streams and lakes within the Incorporation's Forest. Minimum buffer zones as specified by the NES-CF are complied with. In some cases, buffer zones greater than required by the NES-CF have been applied and, in some cases, waterbodies have been fenced. The Incorporation has embarked on some native planting projects to enhance water quality and improve the surrounding areas. The NRC does some water quality testing within the Incorporation's Forest on an annual basis.
P9	High conservation value areas.	Wildlands Consultants completed a project for the Incorporation in early 2023. Wildlands identified 11 HCV sites – a mix of HCV3, HCV4 and HCV 5. These sites are monitored / assessed annually. In addition, an EIA that identifies any applicable HCV sites is completed prior to work commencing in a new block. HCV details from the EIA are included the Harvest Plan and crews are



	1	
		briefed before commencing work in that new
		block.
		Cultural sites (HCV6) exist within the
		Incorporation's Forest. The Incorporation
		works with an archaeologist to ensure that
		_
		we are compliant with Heritage New Zealand
		Pouhere Taonga Act 2014. Details of
		applicable cultural sites are included in EIA's
		and Harvest Plans.
P2, 5 & 9	Monitoring systems based on	The Incorporation has not received any
	stakeholder engagement planned	requests from interested stakeholders to be
	or in place,	involved in monitoring.
		5
		The Incorporation effectively involves the
		'Cultural Advisory Group' in monitoring of
		cultural sites by extending an invite to
		, .
		undertake field trips and sharing the
		archaeologist's reports. Minutes are kept of
		'Cultural Advisory Group' meetings
	Maps describing the naural	See attached (11.6)
	resources	



11.8. Appendix E – FSC reconciliation

Appendix E of the FSC Standard requires that certain issues be included in the Forest Management Plan (FMP). Many of these issues are already included in the 'body' of this FMP. The detail required for those that are not referred to in the FMP is set out below:

PRINCIPLE	CRITERIA	RESPONSE
Monitoring in	8.2.1 is sufficient to identify and deso	cribe the environmental impacts of
management	activities	
P10.7	Adverse impacts from the use of pesticides	All use of pesticides in the PINC forest is undertaken by contractors. The only pesticide used in PINC forests is glyphosate combined with AGPRO Trichloram Brushkiller These pesticides comply with the FSC Pesticides Policy. Employees potentially exposed are offered medical checks paid for by the Incorporation. Pre planting spraying is monitored to check for any adverse impact from
		pesticides.
P10.9	The impacts from natural hazards	 Severity of hazards can be influenced by what we do e.g. incorrect placement of slash, or poor road building practices. All operations have risk indicators identified, and plans are put in place to mitigate effects as best as practicable. PINC complies with multiple processes to minimise risks: NES-CF guidelines and annual plan updates SOPs Operational plans to minimise risks Monthly operational monitoring checks to ensure plans, etc have been followed and any weaknesses are addressed. Issues identified are documented via a CAR process.
-	-	scribe social impacts of management
	uding where applicable	
P1.4	Evidence of illegal or unauthorized activities	There is no evidence of illegal or unauthorised activities. Security patrols have been considered but PINC does not believe these are required. Most of our employees live
		close by and are well connected in the community.



		Access to and through the forest is limited to those living in the haukainga and is associated with customary rights. This access is provided by way of the Incorporation's Whenua Access Policy. We have 'no entry' signs at different places on the boundary.
P1.5	Compliance with applicable laws, local laws, ratified international conventions and obligatory codes of practice	PINC's audit practices ensure compliance against all tax and government reporting requirements mixed with . PINC submits documentation annually to
		the NRC in respect of compliance with NES-CF operational procedures. The NRC acknowledges this.
		PINC's H&S Management System and associated policies ensure compliance with ILO requirements. Monthly audits ensure compliance.
		PINC wages and conditions of employment are based on NZ legislation and the 'Living Wage'. Annual pay reviews ensure compliance.
P1.6, 2.6 & 4.6	Resolution of disputes and grievances	PINC has a Disputes Policy that is publicly available at <u>www.parengarenga.co.nz</u> . This Policy sets out procedures to resolve any disputes. Todate there have been no disputes logged with PINC.
P2.1	Programs and activities regarding workers' rights	PINC complies with ILO Labour Conventions and NZ employment legislation. All employees have a written employment agreement that complies with all NZ employment related legislation. There is no impediment in place that prevents any employee joining a trade union and in fact some employees are union members.
P2.2	Gender equality, sexual harassment and gender discrimination	Gender equality, sexual harassment and gender discrimination are provided for in NZ legislation. PINC's employment agreement and policies comply with that legislation. Todate, no action has been brought by any employee in respect of any breach of these issues.
P2.3	Programmes and activities regarding occupational health and safety	PINC's H&SMS complies with the Health and Safety at Work Act, the Approved Code of Practice for Safety and Health in Forest Operations and the ILO Code of Practice on Safety and Health in Forestry Work. Safe behaviour observations, PPE audits and month end H&S meetings ensure ongoing compliance. See the



	I	
		Public Monitoring report at
		www.parengarenga.co.nz
P2.4	Payment of wages	PINC's wages are at least comparable with the Living Wage. Annual wage reviews ensure ongoing compliance with the 'Living Wage'
P2.5	Worker training	No employee undertakes new work until they have been assessed as fully competent. All employees have a training plan. All employees have a training file. All employees must undertake at least one training development initiative every year. See the Public Monitoring Report at
		www.parengarenga.co.nz
P2.6 &	Where pesticides are used, the	All employees who might have been
P10.7	health of workers exposed to	exposed to pesticides are offered a
-	pesticides	medical check at PINC's cost
P3.1 & P4.1	The identification of Indigenous Peoples and local communities and their legal and customary rights	PINC is headquarted in Te Kao. Te Kao is a small Māori community and is the heart of the Te Aupouri Iwi. Most PINC employees are Te Aupouri. Some are actively involved in the local community. PINC Trustees are all Te Aupouri. There is a strong link between PINC and the Iwi and local community. PINC allows customary access rights for locals through the forest to collect kaimoana from both the West and East Coasts. PINC owns the land and the trees.
		Locals do not have any 'legal' rights –
		only customary rights.
P3.2 &	Full implementation of the terms	Not applicable
P4.2	in binding Agreements	
P3.2, P3.3	Indigenous Peoples and	See P3.1 & P4.1 above
& P4.2	community relations	
P3.5 & P4.7	Protection of sites of special cultural, ecological, economic, religious or spiritual significance to Indigenous Peoples and local communities	PINC engages an archaeologist to ensure that we take appropriate action to protect cultural sites. PINC is compliant with Heritage New Zealand Pouhere Taonga Act 2014. EIA's and Harvest Plans ensure that sites are protected during the operational planning processes.
		PINC has a 'Cultural Advisory Group' consisting of locals and a rep from the Iwi that meets as required to provide input into cultural issues. See also the Public Monitoring Report at www.parengarenga.co.nz
P3.6 &	The use of traditional knowledge	Local indigenous knowledge and customs is
P4.8	and intellectual property	the knowledge and customs of PINC's



		people. Those things are in our DNA! PINC's people are in the main Te Aupōuri – the local Iwi.
		Local indigenous knowledge and customs are not solely "owned" by or the responsibility of the local Iwi. The Incorporation shares responsibility for protecting local indigenous knowledge and customs with the Iwi
P4.2, P4.3, P4.4 & P4.5	Local economic and social development	See the Public Monitoring Report at www.parengarenga.co.nz
P5.1	The production of diversified benefits and/or products	Benefits include: •Recreational hunting •Access through forest to beaches for
		 Access through lotest to beaches for collecting seafood Lake Wahakari is the source of water provided to the local Te Kao community Access for locals to visit historic cultural sites Working with NRC re monitoring water quality Joint projects with local Iwi - possum trapping, control of horses,
Monitoring pr	ocedures in 8.2.2 are sufficient to ide	ntify and describe changes in environmental
conditions, in	cluding where applicable	
P6.4	Rare & threatened environmental species	
	Rare and threatened species populations and habitat monitored	 PINC monitors HCV's and natural areas that provide habitat for RTES by way of the following: EIA, before commencing operations Annual monitoring of each HCV /natural area The EIA process identifies issues that must be addressed during operational planning to ensure protection. Annual monitoring of HCVs and natural areas identifies issues (including RTES issues) that must be addressed in order to maintain or enhance the HCV / natural area so that RTES are better protected.
P6.5	Representative Sample Areas	
	Large – representative areas health and restoration programs are monitored	Representative sample areas in PINC's forest consist of HCV's and natural areas. PINC monitors each area annually to check on the condition of each area and identify any actions



DQ Q		
P6.6	Naturally occurring native	
	species and biological diversity	
	Maintenance is monitored	The EIA process, operational planning,
		pest management and annual monitoring
		ensures that HCV / natural areas are
		protected – and at a minimum, are
		maintained. These processes in turn
		protect the native species and biological
		diversity that exists within the forest
P6.8	Landscape values	The PINC forest landscape is dictated by
		the age of trees. Rotation across the
		forest is based on age. The age mix will
		always dictate the mosaic of the
		landscape. Currently ages vary from 0 to
		51 years, with the bulk of the area
		between 8 and 17 years old. The
		strategy is to normalize the forest so that
		annual productive capacity is spread
		evenly between the ages of 0 to 27 years
		old. This strategy has commenced and
		will take another at least 25 years to
		approximate that aim and another 25 to
		30 years to achieve as close to that aim
		as is practicably feasible.
P9.1	High conservation values 1 to 4	Monitoring of HCVs takes place annually.
	identified in Criterion 9.1	This process compares the current state
		with the state that existed at the time of
		the previous monitoring.