



# AGENDA

**Ordinary meeting of the**

**Forestry Advisory Group**

**Thursday 4 April 2019  
Commencing at 9.00a.m.  
Ruma Mārama, Floor 2A  
Civic House  
110 Trafalgar Street, Nelson**

**Pat Dougherty  
Chief Executive**

Membership: Mr John Murray (Chairperson), Her Worship the Mayor Rachel Reese, Councillor Luke Acland, Mr Alec Louverdis and Mr Peter Gorman

Quorum: 4 – comprising the Chair and one elected member (decision makers), plus one Council officer and the independent forestry expert (for advice only)

Nelson City Council Disclaimer

Please note that the contents of these Council and Committee Agendas have yet to be considered by Council and officer recommendations may be altered or changed by the Council in the process of making the formal Council decision.

Guidelines for councillors attending the meeting, who are not members of the Committee, as set out in Standing Order 12.1:

- All councillors, whether or not they are members of the Committee, may attend Committee meetings
- At the discretion of the Chair, councillors who are not Committee members may speak, or ask questions about a matter.
- Only Committee members may vote on any matter before the Committee

It is good practice for both Committee members and non-Committee members to declare any interests in items on the agenda. They should withdraw from the room for discussion and voting on any of these items.

**1. Apologies**

Nil

**2. Confirmation of Order of Business****3. Interests**

3.1 Updates to the Interests Register

3.2 Identify any conflicts of interest in the agenda

**4. Public Forum****5. Confirmation of Minutes**

5.1 6 December 2018

**6 - 9**

Document number M3982

Recommendation

***That the Forestry Advisory Group***

- 1. Confirms the minutes of the meeting of the Forestry Advisory Group, held on 6 December 2018, as a true and correct record.***

**6. Chairperson's Report****7. Forestry Update - Number 7 - April 2019****10 - 30**

Document number R9942

Recommendation

***That the Forestry Advisory Group***

- 1. Receives the report Forestry Update - Number 7 - April 2019 (R9942) and its attachments (A2146538, and A2156892); and***

2. **Approves a site-specific harvesting option with respect to the Tantragee Block that will allow consultation with the residents to commence; and**
3. **Approves the revegetation plan for the Codgers/Tantragee block as per Attachment 2 (A2156892) of Report R9942.**

## **PUBLIC EXCLUDED BUSINESS**

### **8. Exclusion of the Public**

Recommendation

***That the Forestry Advisory Group***

1. **Confirms, in accordance with sections 48(5) and 48(6) of the Local Government Official Information and Meetings Act 1987, that Sam Nuske of PF Olsen and Lachie Grant of LandVision remain after the public has been excluded, for Item1 of the Public Excluded agenda (Public Excluded minutes – 6 December 2018), as they have knowledge relating to advice provided in the public excluded session of the meeting on 6 December 2018 that will assist the meeting.**

Recommendation

***That the Forestry Advisory Group***

1. **Excludes the public from the following parts of the proceedings of this meeting.**
2. ***The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:***

Item	General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Particular interests protected (where applicable)
1	<b>Forestry Advisory Group Meeting - Public Excluded Minutes - 6 December 2018</b>	<p>Section 48(1)(a)</p> <p>The public conduct of this matter would be likely to result in disclosure of information for which good reason exists under section 7.</p>	<p>The withholding of the information is necessary:</p> <ul style="list-style-type: none"> <li>• Section 7(2)(g) To maintain legal professional privilege</li> </ul>



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## **Minutes of a meeting of the Forestry Advisory Group**

**Held in Ruma Mārama, Floor 2A, Civic House, 110 Trafalgar Street, Nelson**

**On Thursday 6 December 2018, commencing at 3.00p.m.**

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**Present:** Mr J Murray (Chairperson), Her Worship the Mayor R Reese, Councillor L Acland, Mr A Louverdis (GM Infrastructure) and Mr P Gorman (Independent Forestry Expert)

**In Attendance:** Fletcher Vautier Moore Managing Partner (S Ritchie), LandVision Director (L Grant), PF Olsen representatives (S Nuske, K Richards, G Brown and D Fincham) and Governance Adviser (J Brandt)

**Apologies :** Nil

### **1. Apologies**

There were no apologies.

### **2. Confirmation of Order of Business**

It was noted that the meeting would consider the public excluded business first.

### **3. Interests**

There were no updates to the Interests Register, and no interests with items on the agenda were declared.

### **4. Confirmation of Minutes**

#### **4.1 11 September 2018**

Document number M3753, agenda pages 5 - 10 refer.

Attendance: Her Worship the Mayor joined the meeting at 3.03p.m.

Resolved FAG/2018/012

***That the Forestry Advisory Group***

***Confirms the minutes of the meeting of the Forestry Advisory Group, held on 11 September 2018, as a true and correct record.***

Her Worship the Mayor/Murray

Carried

## **5. Exclusion of the Public**

It was noted that Stuart Ritchie of Fletcher Vautier Moore, Lachie Grant of LandVision, and Sam Nuske, Kit Richards, Gary Brown, Dave Fincham of PF Olsen would be in attendance for Item 1 of the Public Excluded agenda to answer questions and, accordingly, the following resolution was required to be passed:

Resolved FAG/2018/013

***That the Forestry Advisory Group***

***Confirms, in accordance with sections 48(5) and 48(6) of the Local Government Official Information and Meetings Act 1987, that S Ritchie of Fletcher Vautier Moore, Lachie Grant of LandVision, and S Nuske, K Richards, G Brown and D Fincham of PF Olsen remain after the public has been excluded, for Item 1 of the Public Excluded agenda (Tantragee Block Harvesting: Legal Considerations), as they have knowledge relating to the matter that will assist the meeting.***

Her Worship the Mayor/Acland

Carried

Resolved FAG/2018/014

***That the Forestry Advisory Group***

***Excludes the public from the following parts of the proceedings of this meeting.***

***The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:***

Her Worship the Mayor/Acland

Carried

Item	General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Particular interests protected (where applicable)
1	<b>Tantragee Block Harvesting: Legal Considerations</b>	Section 48(1)(a)  The public conduct of this matter would be likely to result in disclosure of information for which good reason exists under section 7	The withholding of the information is necessary: <ul style="list-style-type: none"> <li>• Section 7(2)(g) To maintain legal professional privilege</li> </ul>

The meeting went into public excluded session at 3.04p.m. and resumed in public session at 4.28p.m.

Attendance: Her Worship the Mayor R Reese left the meeting at 4.29p.m.

## 6. Chairperson's Report

There was no Chairperson's report.

## 7. Forestry Update - Number 6 - December 2018

Document number R9689, agenda pages 11 - 49 refer.

Group Manager Infrastructure, Alec Louverdis, presented the report.

Discussion took place regarding good management practices. The application of the new National Environmental Standards (NES) was considered a minimum requirement for harvesting and that each site should be assessed case by case as to whether there was a need to go beyond the NES.

It was noted that if bridges spanning the rivers in the Maitai and Roding forestry blocks could not be put in place for the 2019 harvest, a revised harvest schedule would be brought back to the Forestry Advisory Group, including revised budgets.

Resolved FAG/2018/015

***That the Forestry Advisory Group***

***Receives the report Forestry Update – Number 6 – December (R9864) and its attachments (A2077577, A2077575, A2077572 and A2090601).***

Acland/Murray

Carried



There being no further business the meeting ended at 4.50p.m.

Confirmed as a correct record of proceedings:

\_\_\_\_\_ Chairperson \_\_\_\_\_ Date

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## **Forestry Update - Number 7 - April 2019**

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### **1. Purpose of Report**

- 1.1 To provide an update to the Forestry Advisory Group (Group) on forestry activities since Council adopted the Forestry Review recommendations in September 2016 and since the December 2018 update.

### **2. Recommendation**

***That the Forestry Advisory Group***

- 1. Receives the report Forestry Update - Number 7 - April 2019 (R9942) and its attachments (A2146538, and A2156892); and***
- 2. Approves a site-specific harvesting option with respect to the Tantragee Block that will allow consultation with the residents to commence; and***
- 3. Approves the revegetation plan for the Codgers/Tantragee block as per Attachment 2 (A2156892) of Report R9942.***

### **3. Update**

#### **Commercial Forestry**

- 3.1 Harvesting is complete in the Roding forest.
- 3.2 Planning is well underway for harvesting in the Maitai forestry blocks, which is now expected to commence in the winter of 2020. This is a year later than previously anticipated and as advised to the Group. The main reason for the delay relates to assessing options and costs for a new bridge required to span the Maitai River that will enable harvesting to progress. That cost is estimated at \$250,000, but will provide long-term access for future harvesting.

**Douglas Fir and Acacia Harvesting and Poisoning**

3.3 Progress is detailed below.

<b>Block</b>	<b>Stand</b>	<b>Species</b>	<b>Status</b>	<b>Area (Ha)</b>
<b>Brook</b>	22.03	D fir	Harvesting complete	5.8
Brook	22.08	D fir	To be undertaken in conjunction with the privately owned adjacent forest block but no timeframe has been provided by their harvester.	3.4
<b>Maitai</b>	4.04	D fir	Harvesting complete	2.2
Maitai	4.13	D fir	Poisoned	0.5
Maitai	9.01	D fir	Group resolved in September 2018 to consider harvesting the remaining 3Ha in 2022 and to re-plant the rest of the block in radiata.	4.3
Maitai	10.01	D fir	Poisoned	1.8
Maitai	4.08	Acacia	Poisoned	1.3
<b>Marsden</b>	42.06	D fir	Group resolved that this block not be cleared until the trees can be commercially harvested around 2027 with a review to be undertaken in 2022.	20.3
Marsden	44.01	D fir	Within Cemetery block - summer harvesting only (possibly 2020) and subject to contractor availability. Will depend on fire risk. PF Olsen, Peter Gorman and Lachie Grant to assess risk of Douglas Fir wilding spread from such a small block and to advise to either harvest or not harvest.	0.5
<b>Roding</b>	55.03	Acacia	Poisoned	4.6

3.4 The potential for Emissions Trading Scheme (ETS) liabilities was reported to the December 2018 meeting and is not replicated here.

**Brook Block 21/04**

<b>Group resolutions</b>	<b>Progress</b>
Approves the felling to waste of the remaining Brook block 21/04 at an estimated cost of \$10,000. This block adjoins the Brook Waimarama Sanctuary	Includes poisoning and fell to waste. To take place during low public use and will be co-ordinated with MTB Club and BWST. Poisoning is complete. Consultation on felling with MTB Club and BWST has commenced. All operations will be undertaken in accordance with new NES standards and good practice. Felling to waste is scheduled to take place towards the end of winter 2019.

### **Tantragee Block (Brook) harvesting**

- 3.5 The Group approved that the "Tantragee Block" be harvested/felled to waste/poisoned, with urgency, to address health and safety concerns, subject to the preparation of a site specific plan by PF Olsen and approved by the Independent Forestry Expert.
- 3.6 Following the presentation by PF Olsen to the Group in December 2018 on options to achieve this harvesting, the Committee requested PF Olsen to undertake more work and report back to the April 2019 meeting. PF Olsen will present their updated progress plan and estimated cost at the meeting.
- 3.7 Once the plan is approved in principle, consultation via a face-to-face meeting with the affected residents will take place. A harvesting date is yet to be determined and is dependent on approval of the plan and consultation.

### **Pigeon Valley Fire and PF Olsen involvement**

- 3.8 PF Olsen have been actively involved in the Pigeon Valley Fire since 7 February 2018. This has included assisting the FENZ Incident Management Team, fighting the actual fires and making their offices available to Civil Defence. In addition work in the forests was strictly curtailed following the fire ban imposed on the area.

### **Tasman Pine Forests and Waahi Taakaro harvesting**

- 3.9 The small area of Council owned forest adjacent to the Waahi Taakaro golf club has yet to be harvested by Tasman Pine Forests as part of their larger block.

### **Health and Safety**

- 3.10 No Safe Work Observations (SWO) were undertaken this quarter by Peter Gorman. A joint SWO with the entire Group will be undertaken when the Maitai harvesting work recommences.

### **Finance**

- 3.11 Harvesting net revenue for this quarter was \$412,588 against the full year budget of \$776,249 (revised down from the previously noted \$1,115,947 as a result of the delay of harvesting of the Maitai blocks). Refer to Attachment 1 – PF Olsen Quarterly report (October 2018 to December 2018) - the Quarterly report reflects the delay in this harvesting.

## **4. 5-Year Harvesting Plans**

- 4.1 The 5 year harvesting Plan will be changed to reflect the Maitai Block harvesting moving to the winter of 2020.

## **5. Other issues**

- 5.1 PF Olsen has completed the slash trap in the Roding catchment.

## **6. Alternate Uses**

- 6.1 Council agreed to retire some 140Ha of forestry and consider alternate uses. The Group resolved at the 12 June 2018 meeting as below.

*Approves the revised specific site plans as presented by LandVision at the 12 June 2018 Forestry Advisory Group meeting, subject to further refinement on financial implications, priorities and consultation, relating to Alternate Use of the stands to be retired from commercial forestry.*

- 6.2 Lachie Grant (LandVision) will be in attendance to answer questions related to:

- 6.2.1 The Brook block (21/04) replanting – Plants have been ordered and spraying was undertaken in early February. Breakdown of gorse and broom will be re-assessed prior to winter and the need for a second spray assessed at that time. However, it is unlikely that this block will be ready for planting this coming season and the plants will be used at the Maitai Dam under the MPI Memorial planting.
- 6.2.2 The application to the Hill Country Erosion Fund, through Environmental Programmes, for 50,000 native re-vegetation seedlings per year from 2020 for four years has been successful. These seedlings will be used between the Nelson Forestry land and forest retirement on private land. The table below shows the breakdown.

<b>Year</b>	<b>Number of seedlings</b>
2020-21	30,000
2021-22	25,000
2022-23	25,000
2023-24	TBC

- 6.2.3 Lachie Grant has prepared a revegetation plan for the Codgers/Tantragee and that report is appended as Attachment 2.

## **7. Forestry Stewardship Council Accreditation (FSC)**

- 7.1 PF Olsen has finalised the draft FSC management plan and will prepare a consultation document that will come back to the Group for sign-off before consultation commences. Any feedback from that consultation will be considered for possible inclusion in the final plan before seeking accreditation.

## Item 7: Forestry Update - Number 7 - April 2019

- 7.2 Following a presentation by PF Olsen at the December meeting, it was agreed that consultation would wait on the outcome of the more detailed harvest planning being carried out on the sensitive harvest areas in the Maitai, Tantragee and Marsden Valley forests and incorporating those lessons into the planning and consultation.

**Author: Alec Louverdis, Group Manager Infrastructure**

### **Attachments**

Attachment 1: A2146538 - PF Olsen Quarterly Forestry Report - Oct 2018 - Dec 2018 [↓](#)

Attachment 2: A2156892 - LandVision Revegetation of Codgers/Tantragee [↓](#)

<b>Important considerations for decision making</b>
<b>1. Fit with Purpose of Local Government</b>  The regular updates support the effective and efficient management of Council's productive forests.
<b>2. Consistency with Community Outcomes and Council Policy</b>  The Group aligns with the following outcomes: "Our Council provides leadership and is supported by an innovative and sustainable economy".
<b>3. Risk</b>  The Group has been set up to specifically have an oversight on all things relating to forestry to reduce the risk to Council.
<b>4. Financial impact</b>  The Group has been set up to monitor forestry activity and to manage income and expenses accordingly. The expenditure recommended in this report is in line with this oversight.
<b>5. Degree of significance and level of engagement</b>  This update report is of low significance. The Group has assessed the Alternate Use Management Plan and agreed on an appropriate level of engagement on specific sites.
<b>6. Inclusion of Māori in the decision making process</b>  Maori have not been consulted as part of this report.
<b>7. Delegations</b>  The Group's Terms of Reference powers to decide include:  <i>"a. Forestry and harvesting management plans (including replanting) as prepared by the Forestry contractor and endorsed by the independent forestry external expert;</i>  <i>b. Engagement of consultants required to undertake all works necessary to guide recommendations to the Commercial Subcommittee and Council."</i>

## Nelson City Council - Forestry

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### Quarterly Report

### Q2: October - December 2018



*End of year BBQ for PF Olsen contractors*



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A2146538





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## 1. Summary

### Health and Safety

- 2 Operational Issue Incidents
- 1 Property Damage Incident
- 1 Near Hit Incident
- Continued reduction in incidents related to travelling on the Aniseed Valley Road
- No patterns evident in incidents
- 2 Safety Champion meetings held over the period

### Environmental

- Post-operational clean up continued at the Roding forest. This will continue into Q3 when a debris trap will be installed.

### Harvesting

Harvesting	Q2 Actual	YTD Actual	Full Year Budget	% Full Year Budget Achieved
Net Revenue	\$412,588	\$822,473	\$1,115,947	63
Volume	9,373	20,745	33,158	73

- Harvesting carried out in the Roding Forest

### Forest Management

Forest Management	Q2 Actual	YTD	Full Year Budget	% Full Year Budget Achieved
Cost	\$88,257	\$222,279	\$466,933	48%

- Planting and release spot spraying in Maitai and Roding Forests.
- Cost from consulting as a result of the FAG involvement and advanced planning of the Tantragee and Maitai harvest areas.



## 2. Health and Safety

### Incidents

Date	Type	Entity	Description
02/10/18	Near Hit	Moir Logging	Pulled dutchman deadman out of the ground
06/10/18	Property Damage	Moir Logging	Log slipped from excavator grapple and hit parked vehicle
08/10/18	Operational Issue	Borlase Transport	Pot holes in road giving log truck driver sore back
11/12/18	Operational Issue	Borlase Transport	Loaders battery was found to be flat on night shift

We are pleased to see a decrease in the number of incidents related to the Aniseed Valley road.

An area of focus over the quarter was in fatigue. During this period of coming out of winter, people are working longer days, have more going on at home and begin to think about the holiday period. Continual reminders were given to the contractors to be raising this at their daily toolbox meetings, and utilise their fatigue management policies

### Safety Initiatives

Throughout the period there were two 'H&S Champions Meetings' held at the PF Olsen office whereby the H&S Champion from each contracted crew attends.

Planning was underway for the annual safe start meeting in January.



### 3. Environmental

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**Roding forest:  
Harvesting post-  
operational  
remediation**

Harvesting post-operational remediation has been ongoing in order to secure the site against debris flows and to reduce sedimentation of waterways. The process has been slightly drawn out due to some catch-up from the 2017-18 financial year harvesting. This site is now very secure, and with a debris trap being installed in January, this will only add to this.

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#### 4. Harvesting

##### Financials by Forest

Roding	Volume (Tonnes)	Net Revenue	Net Revenue per Tonne	Harvest Costs	Cost per Tonne
1 <sup>st</sup> Quarter	11,372	\$410,155	\$36.07	\$853,219	\$75.03
2 <sup>nd</sup> Quarter	9,373	\$412,588	\$44.02	\$689,113	\$73.52
<b>Total</b>	<b>20,745</b>	<b>\$822,743</b>	<b>\$39.66</b>	<b>\$1,542,332</b>	<b>\$74.35</b>

##### Financials Year To Date

Current Year	YTD	Annual Budget	%	Comments
Volume (tonnes)	20,745	33,158	63	Lack of Maitai harvest causing volume to be below budget.
Net Revenue	\$822,743	\$1,115,947	73	
Net Revenue per tonne	\$39.66	\$33.66	117	High due to high log prices and good domestic market access.
Harvest Costs	\$1,542,332	\$2,482,663	62	Significant costs involved with post operational clean-up costs at the Roding Forest.
Harvest Costs per tonne	\$74.35	\$74.87	99	

##### Operational Update

- Harvest has been delayed in the Maitai forest due to delays in bridge construction. This means that this volume will be pushed out to the following winter.
- Harvesting is completed in the Roding forest, although post-operational clean up will continue into Q3. This includes the securing of harvesting debris, and the installation of a slash trap in the main gully.



## 5. Forest Management

### Financials

Forest Budget	Q2 Actuals	Q2 Comments	YTD	Annual Budget
Roading	\$83		\$83	\$18,421
Land Preparation	\$0		\$2,475	\$24,168
Establishment	\$55,363	Planting and release spot spraying in Maitai and Roding Forests	\$103,231	\$268,459
Tending	\$0		\$30,685	\$22,138
Protection	\$711	Felling of hazardous wilding pines in Roding Forest	\$15,552	\$3,099
Property Maintenance	\$0		\$0	\$5,913
Rates & Insurance	\$0		\$0	\$44,811
Admin/ Management	\$0		\$0	\$32,849
14824 – Monthly Fee	\$2,730	Monthly admin fee	\$5,460	\$10,920
13554 NCC Consulting	\$5,108	Various consulting, including FAG involvement, Maitai and Marsden special harvest planning, FOA subscription	\$22,578	\$36,155
22085 NCC - Valuation	\$0		\$4,068	\$0
22059 NCC – Tantragee Trees	\$24,262	Planning for Tantragee Hazardous Tree Removal project	\$38,147	\$0
<b>TOTAL</b>	<b>\$88,257</b>		<b>\$222,279</b>	<b>\$466,933</b>

### Operational Update

During quarter 2 planting and release spot spraying was completed in the Maitai and Roding Forests. Targeted manual spot spraying around each tree instead of blanket aerial spraying was adopted in these sensitive water catchments to reduce the amount of chemical used and eliminate the risk of spray drift into sensitive areas.

Planning of the Tantragee Hazardous Tree Removal project continued throughout the quarter.



## 6. Appendix 1: Wood Track Production Report

Wood Track: Forest Owner Production - Customer Deliveries By Grade

From 01/07/18 To 31/12/18

GeoUnit:

Nelson City Council

NCC - Roding Harvest

0021893

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Carter Holt Harvey Holdings Ltd	Eves Valley	PRAD	HP	3.7	24.0	521.10		
		PRAD	HP	4.8	18.0	293.80		
		PRAD	HP	4.9	11.0	169.48		
		PRAD	ROB	M	151.0	4,399.54		

Carter Holt Harvey Holdings Limited - Eves Valley Total: 204.0 5,383.92

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Eurocell Wood Products Ltd	Tahunanui	PRAD	ROB	M	6.0	198.14		

Eurocell Wood Products Ltd Total: 6.0 198.14

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Fortuna Forest Products Ltd 9	Port Nelson	PRAD	A	3.9	78.0	1,829.93		1,705.975
		PRAD	A	5.9	11.0	237.25		227.038
		PRAD	K	3.9	96.0	2,612.57		2,336.930
		PRAD	K	5.9	11.0	242.21		218.219
		PRAD	KI	3.9	2.0	43.63		36.575
		PRAD	KIS	3.9	48.0	1,105.78		896.972
		PRAD	KIS	5.9	38.0	717.94		527.381
		PRAD	P3	4.0	28.0	639.05		623.440

Fortuna Forest Products Ltd 9 Nelson Total: 312.0 7,428.36 6,572.530

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Goldpine Industries Ltd	Golden Downs	PRAD	POLES	6.0	4.0	132.64		
		PRAD	POST	RL	22.0	754.86		

Goldpine Industries Ltd Total: 26.0 887.50

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Goldpine Industries Ltd (Use 4)	Golden Downs	PRAD	POLES	10.0	1.0	29.36		
		PRAD	POST	RL	14.0	492.11		

Goldpine Industries Ltd (Use 4477) Total: 15.0 521.47

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Nelson Pine Industries Ltd	Richmond	PRAD	CH	RS	72.0	2,064.90		
		PRAD	LVL MIX	2.7	35.0	630.88		
		PRAD	LVL MIX	5.5	106.0	2,850.58		

Nelson Pine Industries Ltd Total: 213.0 5,546.36

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
South Pine (Nelson) Ltd	Stoke	PRAD	ROB	M	6.0	209.13		

South Pine (Nelson) Ltd Total: 6.0 209.13

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Southwood NZ Ltd	Motueka	PRAD	P35	5.0	6.0	209.23		



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Southwood NZ Ltd Total: 6.0 209.23

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Taylor Timbers Ltd	Hope	PRAD	P35	M	4.0	77.88		
		PRAD	P35	S	9.0	213.54		

Taylor Timbers Ltd Total: 13.0 291.42

Customer	Destination	Species	Grade	Len	Loads	Tonnes	m3	JAS
Timberlink New Zealand Limite	Blenheim	PRAD	P35	RL	2.0	69.28		

Timberlink New Zealand Limited Total: 2.0 69.28

NCC - Roding Harvest Total: 803.0 20,744.81 6,572.530

*Nelson City Council Total:* 803.0 20,744.81 6,572.530

Report Total: 803.0 20,744.81 0.000 6,572.530

**\*\* End Of Report \*\***





## 7. Appendix 2: Monthly Harvesting Schedule

February 2018

NCC Harvesting		Estimated Harvest Schedule			
Forest Month	Roding	Maitai	Total		Comments
	Tonnes	Revenue	Tonnes	Revenue	
Jul-18	3929	\$132,984	3929	\$132,984	
Aug-18	4400	\$176,647	4400	\$176,647	
Sep-18	3043	\$100,524	3043	\$100,524	
Oct-18	3319	\$144,056	3319	\$144,056	
Nov-18	3011	\$139,991	3011	\$139,991	
Dec-18	3043	\$126,493	3043	\$126,493	
Jan-19	61	-\$24,447	61	-\$24,447	
Feb-19		-\$20,000	0	-\$20,000	
Mar-19			0	\$0	
Apr-19			0	\$0	
May-19			0	\$0	
Jun-19			0	\$0	
<b>Total</b>	<b>20806</b>	<b>\$776,249</b>	<b>0</b>	<b>\$0</b>	<b>\$776,249</b>

### General Notes

- July to December 18 are based on actual figures. The rest are estimations.
- The Maitai harvest will not take place in the winter of 2019 due to delay in bridge construction
- Negative revenues in January and February as a result of post-harvest clean up costs



To: **Alec Louverdis**  
Group Manager Infrastructure  
Nelson City Council

From: Lachie Grant  
LandVision Ltd

Date: 10 March 2018

Subject: **Revegetation of Codgers / Tantragee.**

Blocks 22.01, 22.03, 22.04, 22.05, 22.06 and 22.07 were harvested in the three years in the Brook as the result of wind throw. Since harvest the area has regenerated in gorse, broom and other weed species. There has also been some native regeneration in places. The area contains the Codgers Mountain Bike Park, the start of Dun Mountain Rail Trail and the pipeline from the Tantragee saddle.

Following an on-site meeting with Parks staff (Andrew Petheram and Peter Grundy) the following draft plan has been prepared for the revegetation of the above Brook blocks. Consultation is needed with the Nelson Mountain Bike Club and this is proposed in the next month.

### Draft Proposal

The individual stand blocks are shown in Figure 1. These areas have been broken down into 8 different management blocks for both ease of management and spread of risk and these areas are shown in Figure 2. It is proposed to undertake the land preparation and planting over 4-5 years. Following planting at least a further 4-5 years of weed control will be required.

Block	Management Area	Area	Comments	Draft options
22.01	1	1.7 ha	Heavy gorse and broom, some slash piles. Some buffer planting adjacent to the Codgers track has been undertaken with natives.	Proposed mechanical mulch, buffer plant the track with native regen species, redwoods in the wetter gully systems. Year1. The planting this winter is totally dependent on the ground conditions for mulching.

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22.07 22.03	2	3.0 ha	Area felled 2018, much of it to waste. Gorse and broom, plus natives. Some wilding seedlings. Slash through the area.	Consider spray vs mulch option. Concern about the slash. Year 2. Replant in natives. Plus enhancement plant secondary natives at year 3.
22.03	3	3.0 ha	Patchy native present prior to clearing. Some still remains. Gorse and broom, plus some native regen. Slash through the area.	Consider spray vs mulch option. Concern about the slash present. Year 3. Replant in natives. Plus enhancement plant secondary natives at year 3.
22.04	4	8.2 ha	Harvested several years ago following wind throw. Significant amount of regeneration occurring. Requires plots. Significant gorse and broom growth.	Further monitoring required to determine options.
22.01	5	3.7 ha	Solid gorse and broom.	Propose to mulch followed by two sprays. Plant in natives. Year 4.
22.06	6	5.5 ha	Proposed for harvest in 2019 – to be confirmed.	Replant immediately following harvest. Plant in natives.
22.01	7	2.5 ha	Gorse and broom. Concentration of mountain bike tracks.	Proposed year 4. Mulch vs spray. Concerned about mulching destroying tracks. Native revegetation.
22.07	8	2.9 ha	Currently in radiata.	

### Preliminary costings

The following table outlines preliminary costings for the above programme.

Timing	Block	Operation	Estimated costings	Total
Year 1	1	Mechanical mulching	1.7 ha @ \$2,000/ha	\$3,400
Year 1	1	Pre plant spray, planting & releasing	1200 seedlings/ha @ \$3.5/seedling x 1.7 ha	\$7,100
Year 2	1	Weed control	2 days @ \$450/day	\$900
Year 2	2	Mechanical mulching	3.0 ha @ \$2,000/ha	\$6,000
Year 2	2	Pre plant spray, planting & releasing	1200 seedlings/ha @ \$3.5/seedling x 3.0 ha	\$12,600
Year 2	1, 2	Weed control	3 days @ \$450/day	\$1,350
Year 3	1, 2, 3	Weed control	5 days @ \$450/day	\$2,250

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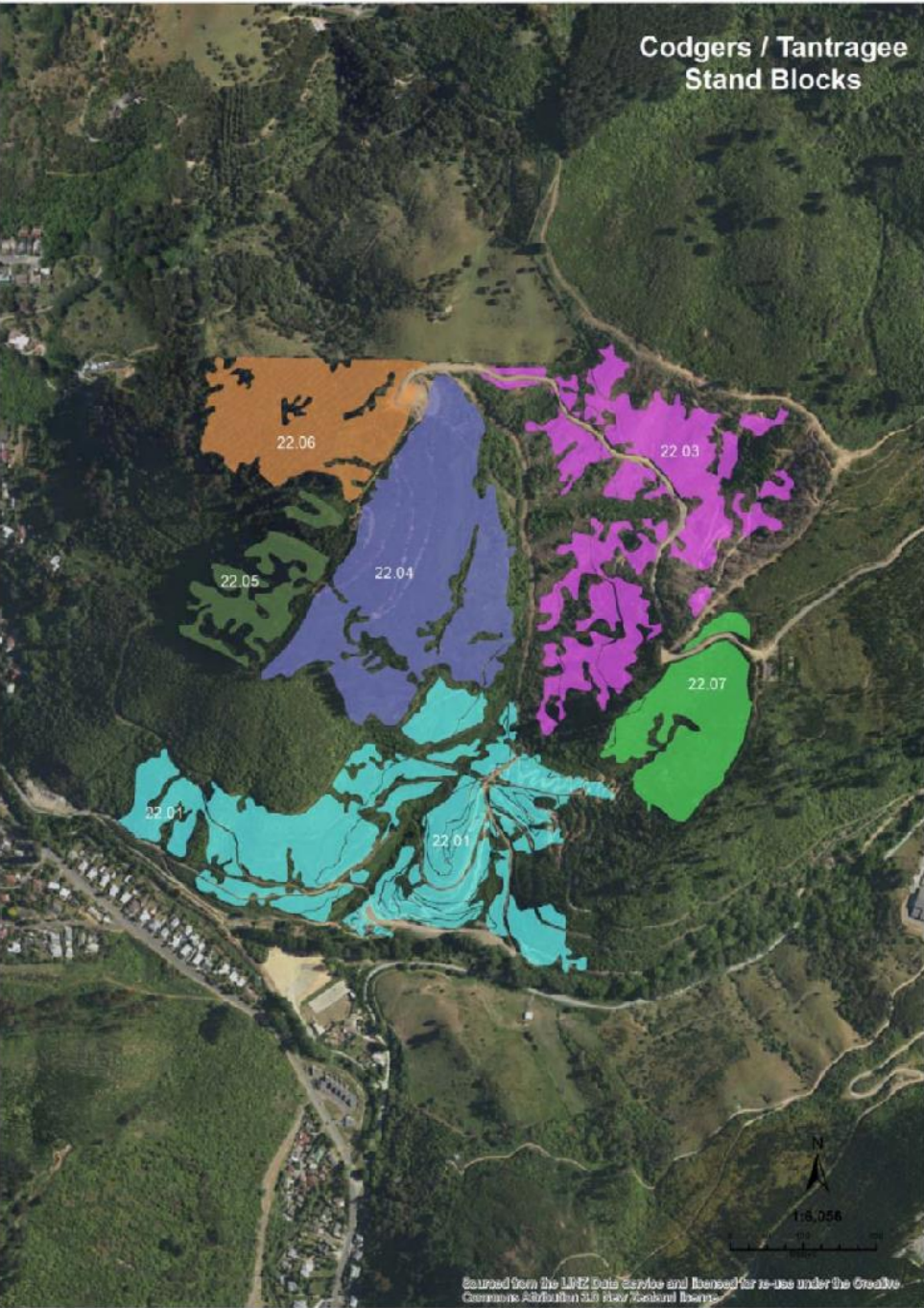
Year 3	3	Mechanical mulching	3.0 ha @ \$2,000/ha	\$6,000
Year 3	3	Pre plant spray, planting & releasing	1200 seedlings/ha @ \$3.5/seedling x 3.0 ha	\$12,600
Year 3	7	Spraying	\$350/ha x 2.5 ha	\$875
Year 4	5	Mechanical mulching	6.2 ha @ \$2,000/ha	\$12,400
Year 4	7	Spraying	\$350/ha x 2.5 ha	\$875
Year 4	5+7	Pre plant spray, planting & releasing	1200 seedlings/ha @ \$3.5/seedling x 6.2 ha	\$26,000
Year 4	1,2, 3, 5, 7	Weed control	8 days @ \$450/day	\$3,600
Year 5	1,2, 3, 5, 7	Weed control	8 days @ \$450/day	\$3,600
Year 6	1,2, 3, 5, 7	Weed control	8 days @ \$450/day	\$3,600
Year 7	1,2, 3, 5, 7	Weed control	8 days @ \$450/day	\$3,600
<b>Total cost year 1</b>	<b>1</b>			<b>\$10,500</b>
<b>Total cost year 2</b>	<b>1, 2</b>			<b>\$20,850</b>
<b>Total cost year 3</b>	<b>1, 2, 3, 7</b>			<b>\$21,725</b>
<b>Total cost year 4</b>	<b>1, 2, 3, 5, 7</b>			<b>\$42,875</b>
<b>Total cost year 5</b>	<b>1, 2, 3, 5, 7</b>			<b>\$3,600</b>
<b>Total cost year 6</b>	<b>1, 2, 3, 5, 7</b>			<b>\$3,600</b>
<b>Total cost year 7</b>	<b>1, 2, 3, 5, 7</b>			<b>\$3,600</b>

If the monitoring of area 4 shows that there is insufficient regenerating tree numbers then other options will be required to achieve this.

#### Recommendations

The Forestry Advisory Group approve this draft plan for consultation with the mountain bike club.

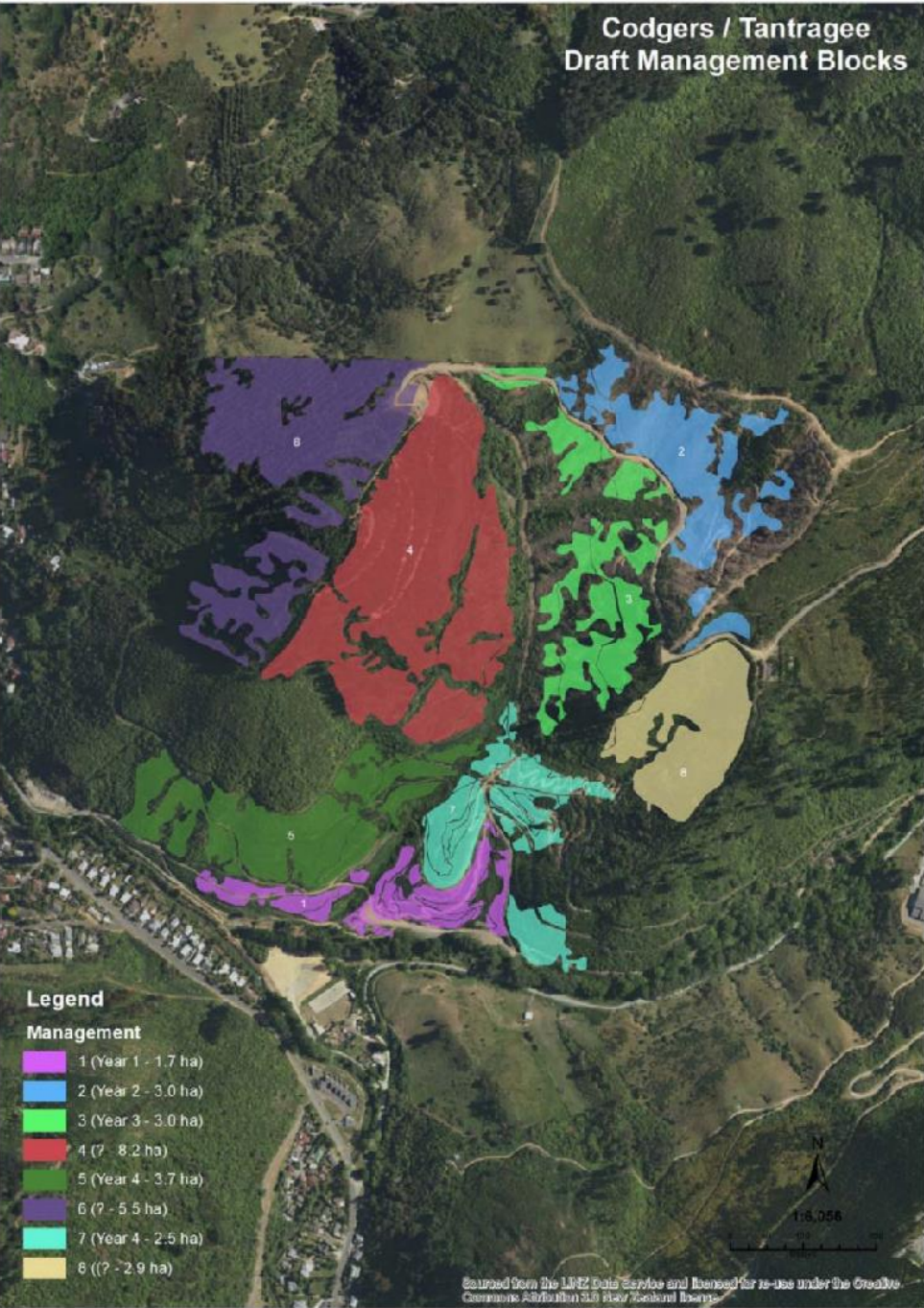
Figure 1. Stand Blocks.



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Figure 2. Management Blocks



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