

Proposed Marlborough Environment Plan

Minute of the Hearing Panel

Minute 32

1. In the course of its hearings of submissions in respect of the Proposed Marlborough Environment Plan's Omaka Valley Area Overlay, and its related policies, an issue has arisen as to the potential volumes of traffic generated by identifiable activities to the south of the Overlay area which may occur over coming years.
2. One of the most obvious activities identifiable is the apparent commercial forestry activity in plantations to the south of the Overlay area. However, the Panel has not received any detailed evidence as to those potential traffic volumes.
3. The Panel understands that the Marlborough District Council (Council) has been recently surveying likely traffic flow consequences from forestry plantings throughout the district. While some information may have been made available to Council in terms of binding nondisclosure arrangements, other information may be openly available which can be presented to the Panel in relation to this locality.
4. The Panel also understands, however, that in some areas what were potential commercial forestry plantations suitable at some stage for harvest may have been converted by formal contractual arrangements into 'carbon sink' plantings not intended to be harvested.
5. However, again the Panel has not received formal evidence in respect of the development of that practice.
6. Accordingly, the Panel requests assistance from Jon Cunliffe, Marlborough District Council's Resource Management Advisor, in providing it with information which is disclosable on the following matters:
 - i. What areas of commercial forestry plantation are known to Council, or are able to be reasonably calculated from aerial photography held by Council, to exist in the Omaka Valley south of the Omaka Valley Area delineated in the Overlay of the PMEP.

*Refer attached pdf: **JCu-MEP Hearings Minute 32.pdf***

- ii. What is known or able to be reasonably assessed as to the likely maturity and/or likely harvest dates of those plantations?

*Refer attached pdf: **JCu-MEP Hearings Minute 32.pdf***

- iii. What is the estimated tonnage of logs potentially to be transported from those plantings on harvest, and what is the estimated time span that cartage would take to transport those logs to a port or processing facility?

An estimate of tonnages for the blocks that we have information for is included in the pdf attached. No information is included about time spans to a port or harvest facility. Key determinants here are the quality of the timber in the forest, the market prevailing at the time and the forest owner's intentions at any time.

- iv. Are any of those existing plantations in that area believed by Council to be part of a 'carbon sink' and if so, how has that information become available to Council?

Source of Information: *Over the summers of 2016-17 and 2017-18 Council has been collecting information on commercial forestry plantations across the Marlborough District. This project is known as the Marlborough Forest Yield project. It has its origins in the need for better empirical information as an input for longer term infrastructure planning and associated asset management plans. The end game is a real-time digital and geographically representative yield profile for the forestry resource within the district. The project continues.*

Information has been collected in the main through a collaboration with forest industry operators.

Carbon Sink: *A collection of blocks in the barracks Road area have been mapped as Carbon Sink. The details of these have been set out in **JCu-MEP Hearings Minute 32.pdf**. Staff have not been advised of any change to the status of the forest. For any update on this the Forestry Consultant concerned would need to be contacted. The consultant is currently overseas and returns to NZ late September 2018.*

- v. In general terms, describe what form Council understands the contractual arrangements of that nature take, who are the contracting parties, and whether such contractual arrangements are regarded as being immutable so that harvest and transport will not occur?

Unable to provide an answer at this point in time.

- vi. If so, how are subsequent owners bound to those arrangements?

Unable to provide an answer at this point in time.

7. If possible the Hearing Panel would appreciate that information by Friday, 24 August, 2018 in time for it to be considered when the hearings resume on 3 September, 2018.

A handwritten signature in black ink, appearing to read 'T Hook', with a period at the end.

Councillor Trevor Hook

Chair of the MEP Hearing Panel

| Object ID | Area | | Year Planted | Species | Crop Type | Age in 2023 | Est Yield at at 2023 | | Source | Personnel |
|-----------|---------------|----------|--------------|---------------|-------------|-------------|----------------------|-----------|-------------|---------------------|
| | Square metres | Hectares | | | | | Rate m3/ha | Volume m3 | | |
| 56183 | 236,028 | 23.6 | 1993 | Pinus Radiata | Carbon Sink | 30 | 565 | 13,332 | MFY Project | G Murrin/R Lawrence |
| 56176 | 1,170,862 | 117.1 | 1995 | Pinus Radiata | Carbon Sink | 28 | 500 | 58,543 | MFY Project | G Murrin/R Lawrence |
| 56179 | 472,328 | 47.2 | 1994 | Pinus Radiata | Carbon Sink | 29 | 536 | 25,324 | MFY Project | G Murrin/R Lawrence |
| 56181 | 75,197 | 7.5 | 1994 | Pinus Radiata | Carbon Sink | 29 | 536 | 4,032 | MFY Project | G Murrin/R Lawrence |
| 56185 | 447,196 | 44.7 | 1994 | Pinus Radiata | Carbon Sink | 29 | 536 | 23,977 | MFY Project | G Murrin/R Lawrence |
| | 2,401,611 | 240.2 | | | | | | 125,208 | | |

| Object ID | Area | | Year Planted | Species | Crop Type | Age in 2033 | Est Yield at at 2033 | | Source | Personnel |
|-----------|---------------|----------|--------------|---------------|-------------|-------------|----------------------|-----------|--------|-----------|
| | Square metres | Hectares | | | | | Rate m3/ha | Volume m3 | | |
| 56183 | 236,028 | 23.6 | 1993 | Pinus Radiata | Carbon Sink | 40 | 819 | 19,321 | | |
| 56176 | 1,170,862 | 117.1 | 1995 | Pinus Radiata | Carbon Sink | 38 | 772 | 90,424 | | |
| 56179 | 472,328 | 47.2 | 1994 | Pinus Radiata | Carbon Sink | 39 | 795 | 37,527 | | |
| 56181 | 75,197 | 7.5 | 1994 | Pinus Radiata | Carbon Sink | 39 | 795 | 5,974 | | |
| 56185 | 447,196 | 44.7 | 1994 | Pinus Radiata | Carbon Sink | 39 | 795 | 35,530 | | |
| | 2,401,611 | 240.2 | | | | | | 188,776 | | |

Pinus Radiata normally mature at 28 years. Two scenarios given. At or near 28 year old. And one 10 years later. This adds 60,000 tonne

Yield rate is at high end of yield band and adjusted for location. Source: Kevan Buck Forestry Services Ltd

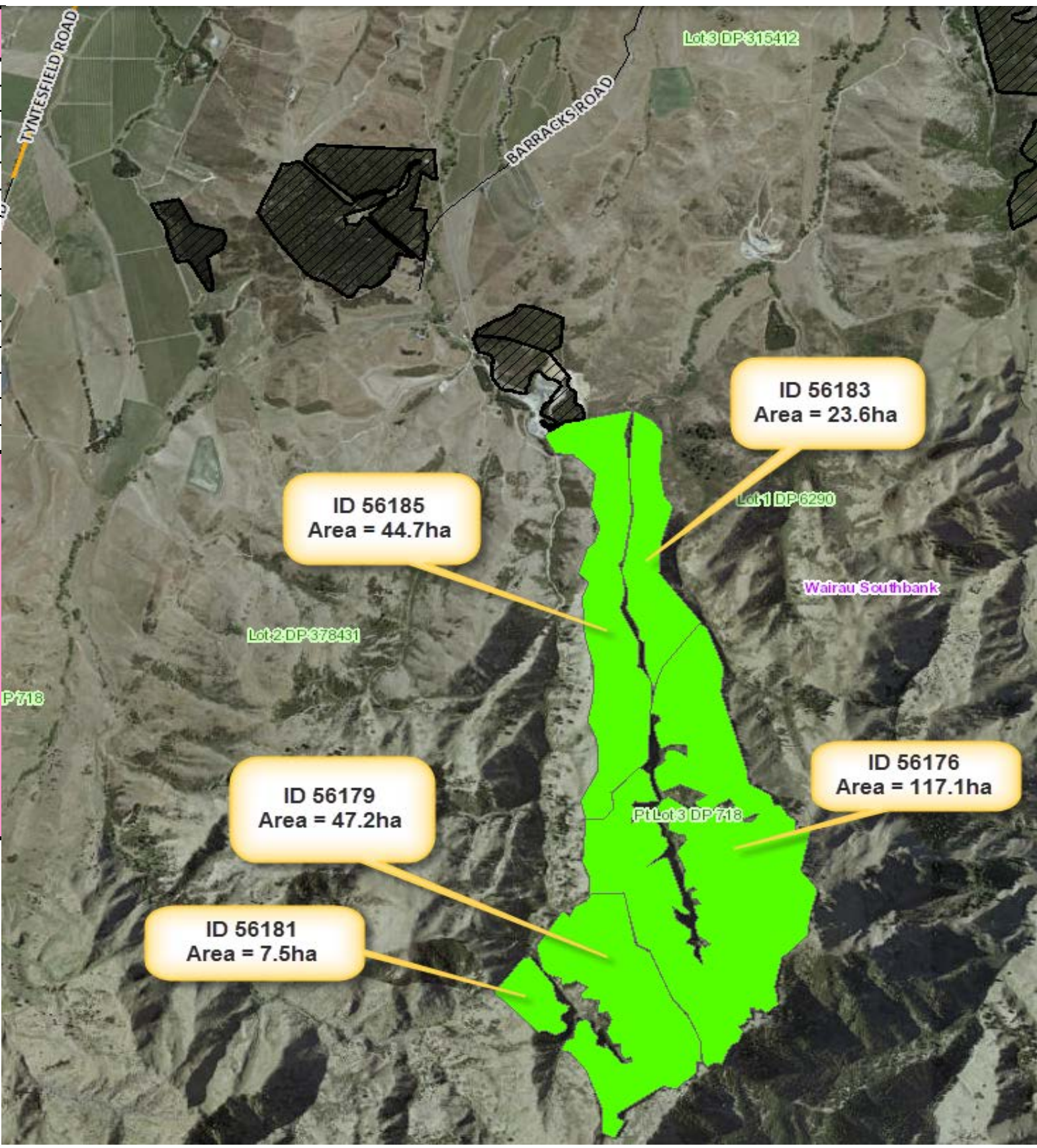
Read m3 as tonnes. 1m3 approx 1 tonne

Mapping of Forested areas and crop types (for yield analysis) has occurred over 2016-17 and 2017-18 summers. District wide yield analysis based on mapping currently being undertaken by Kevan Buck Forestry Services Ltd

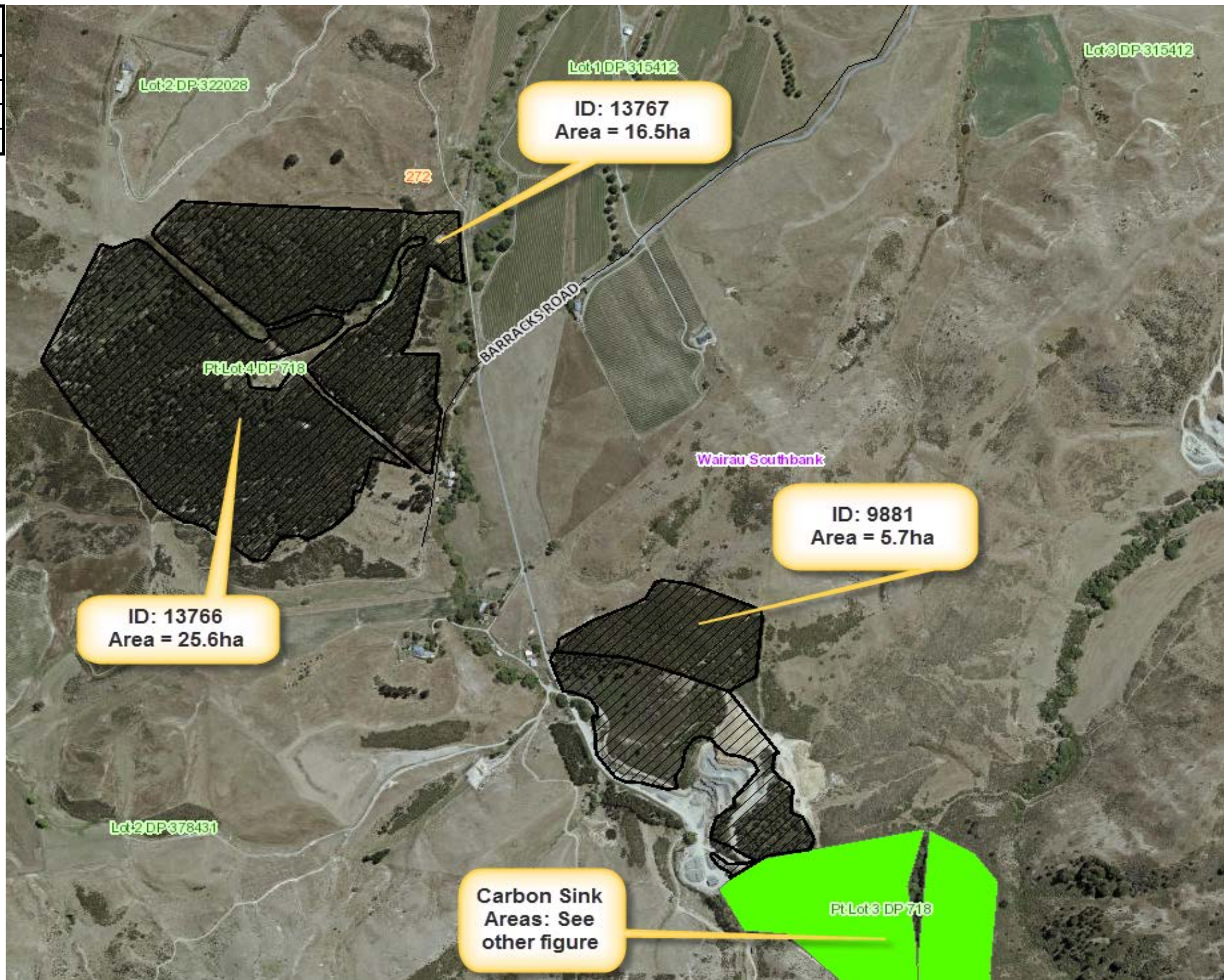
Updated confirmation as to crop type (carbon Sink) requires check in with Rob Lawrence, former Forestry Manager/Consultant. Rob presently overseas. Returns late September 2018

Yield Rates Table

| Tree Age | Low (m3/ha) | High (m3/ha) | |
|----------|-------------|--------------|-----------------------|
| | | General | Adjusted for location |
| 28 | 480 | 540 | 500 |
| 29 | 508 | 579 | 536 |
| 30 | 537 | 610 | 565 |
| 31 | 565 | 639 | 592 |
| 32 | 594 | 667 | 618 |
| 33 | 622 | 695 | 644 |
| 34 | 650 | 726 | 672 |
| 35 | 678 | 753 | 697 |
| 36 | 705 | 780 | 722 |
| 37 | 733 | 808 | 748 |
| 38 | 761 | 834 | 772 |
| 39 | 788 | 858 | 795 |
| 40 | 815 | 884 | 819 |

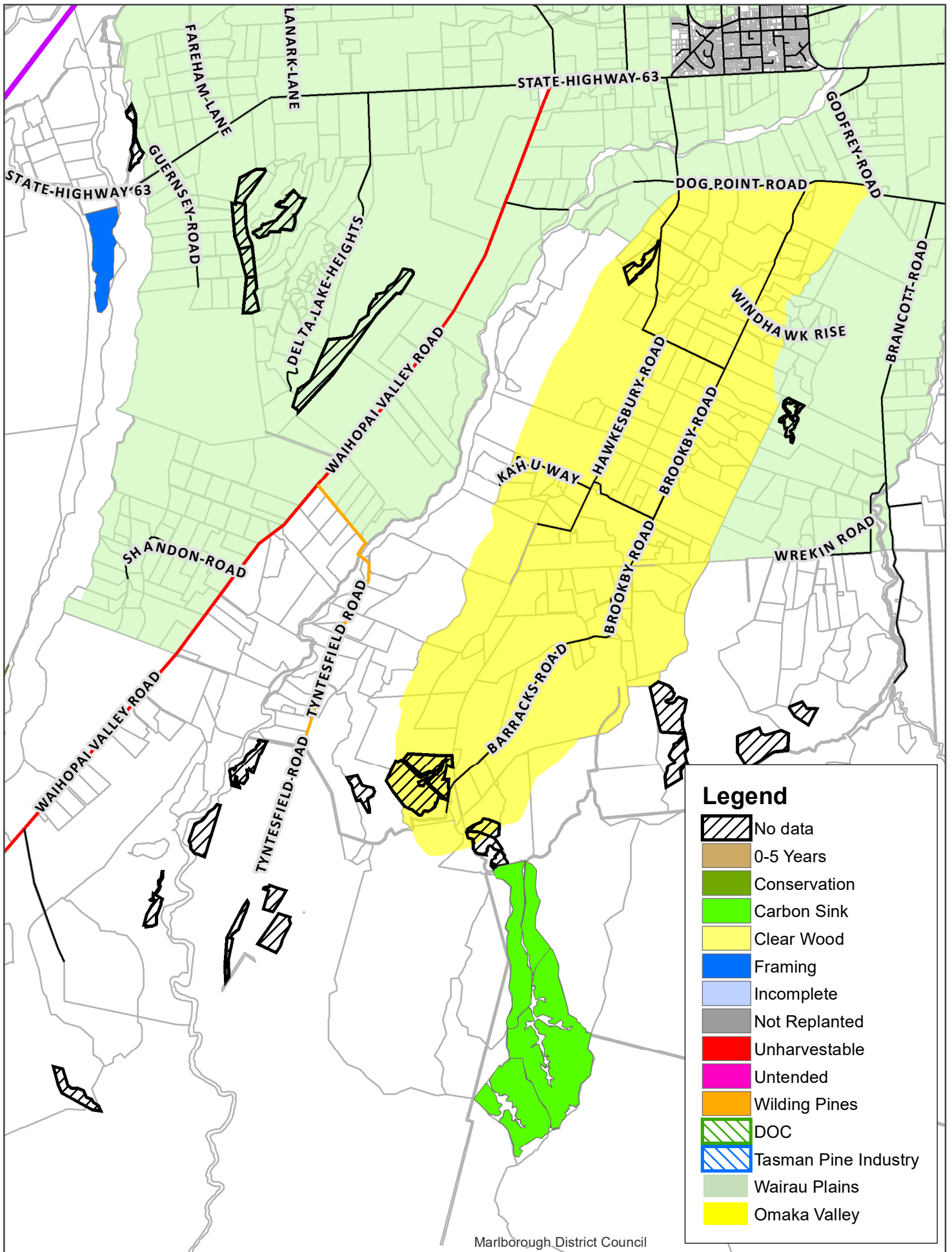


| Object ID | Area | | Year Planted | Species | Crop Type |
|-----------|---------------|----------|--------------|---------|-----------|
| | Square metres | Hectares | | | |
| 9881 | 294,000 | 29.4 | ? | ? | ? |
| 13767 | 165,000 | 16.5 | ? | ? | ? |
| 13766 | 256,000 | 25.6 | ? | ? | ? |
| | 715,000 | 71.5 | | | |



| Object ID | Area | | Year Planted | Species | Crop Type |
|-----------|---------------|----------|--------------|---------|-----------|
| | Square metres | Hectares | | | |
| 17173 | 294,000 | 29.4 | ? | ? | ? |
| | 294,000 | 29.4 | | | |





Marlborough District Council

The accompanying material has been released by Council from its information repositories. Council does not accept any responsibility for the initial and ongoing accuracy to the material. It is the responsibility of the recipient to make such checks as the recipient considers appropriate to ensure accuracy. Services layers are schematic only and actual positions and level should be confirmed from Council's hard copy records.

1:61,771

Forestry Yield Overlay Map

with Wairau Plains and Omaka Valley Area

