

## **Appendix D**

### Preliminary Site Investigation

# ***Soil Contamination Risk Preliminary Site Investigation Report***

## ***Kirwee Reserve Extension Tramway Road, Kirwee***

*January 2019*



***Malloch Environmental Ltd***

*Physical address – 19 Robertsons Road, Kirwee*

*Postal address – P O Box 259, Kirwee 7543*

*021 132 0321*

*[www.mallochenviro.co.nz](http://www.mallochenviro.co.nz)*

## **QUALITY CONTROL AND CERTIFICATION SHEET**

**Client:** Selwyn District Council

**Date of issue:** 23 January 2019

### **Report written by:**

**Fran Hobkirk, Environmental Scientist, BSc**  
(2 years contaminated land experience)

**Signed:** 

### **Report reviewed and certified as a Suitably Qualified and Experienced Practitioner by:**

**Nicola Peacock, Principal Environmental Engineer, NZCE, CEnvP**  
(10 years contaminated land experience within 26 years environmental experience)

**Signed:** 



## CONTENTS

1	Executive Summary.....	4
2	Objectives of the Investigation .....	4
3	Scope of Work Undertaken.....	4
4	Site Identification .....	5
5	Site Description and Surrounding Environment .....	6
6	Geology and Hydrology.....	6
7	Site History.....	6
7.1	Previous Site Ownership and Use .....	6
7.2	District Council Records .....	6
7.3	Regional Council Records.....	6
7.4	LINZ Records.....	7
7.5	Review of Historic Aerial Photographs .....	7
8	HAIL Uses and Possible Types of Contaminants Associated with Past Use .....	8
9	Basis for Soil Guideline Values (SGV) .....	8
9.1	Activity Description .....	8
9.2	Zoning.....	9
9.3	Soil Guideline Values.....	9
10	Site Characterisation and Conclusion .....	9
11	Planning Status.....	9
12	Limitations.....	10

## APPENDICES

A	Historic Certificates of Title
B	Historic Aerial Photographs
C	LLUR Statement

## **1 Executive Summary**

The subject site consists of a single rural lot accessed from Tramway Road in Kirwee. It is proposed to develop the site for a recreational use. This will change the use of the land and may result in disturbance of soils. The Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 (NESCS) require an assessment of the likelihood of soil contamination being present. It is noted also that Malloch Environmental Ltd is obligated to consider the requirements of Section 10 (4) of the Health and Safety at Work (Asbestos) Regulations 2016. This report details the work undertaken to assess the risks.

The majority of the subject site has been used for forestry and then pasture and this use is highly unlikely to have caused a risk to human health or the environment. There is no evidence of HAIL activities or industries having occurred on these areas of the subject site, now or in the past. The south-eastern corner of the site was developed for a recreational use with sports fields in the mid-2000s. Use of persistent pesticides on sports turfs is included on the Hazardous Activities and Industries List (HAIL). However, given the era the sports fields were created it is considered highly unlikely that any persistent pesticides would have been used, and therefore no likely HAIL activity has occurred. The subject site is considered suitable for recreational use with no further investigations required.

In terms of planning status at the time of writing of this report, the NESCS does not apply.

## **2 Objectives of the Investigation**

This report has been prepared in accordance with the Ministry for the Environment's "Contaminated Land Management Guidelines No 1: Reporting on Contaminated Sites in New Zealand". This report includes all requirements for a Stage 1 Preliminary Site Investigation report. This is one of the methods described in Section 6(3) of the NESCS to establish whether the regulations apply. The objective is to determine whether there is any risk of potential contamination that would warrant further investigation.

## **3 Scope of Work Undertaken**

The scope of the work undertaken has included:

- Review of Selwyn District Council property files
- Obtaining ECan data from the Listed Land Use Register (LLUR)
- Search of LINZ NZ orchard database
- Review of historic aerial photos
- Review of historic titles
- Preparation of report in accordance with MfE guidelines

#### 4 Site Identification

The site is accessed from Tramway Road in Kirwee as shown on the plan in **Figure 1** below. The site is legally described as Section 1 SO 506720 and has a total area of approximately 6.5074 Ha.



Figure 1 – Location Plan

## 5 Site Description and Surrounding Environment

The subject site is generally flat rural land on Tramway Road in Kirwee. Part of the subject site has already been developed for a recreational use with sports fields, a parking area and shed. It is bounded by similar rural land to the north, by recreational land to the east and rural residential land to the south.

## 6 Geology and Hydrology

The ECan GIS describes the soils as Lismore stony silty loam. Soil trace elements are 'Regional, Yellow Brown Stony'. Wells in the area indicate that topsoils are underlain by layers of sandy gravels, clayey gravels and gravels.

The site lies over the unconfined/semi-confined gravel aquifer system. Ground water levels recorded on nearby and on-site bore logs are between 63.37 and 83.4m deep. The direction of ground water flow is generally in a south-easterly to southern direction. The nearest down gradient well lies approximately 96m to the east. This is a public water supply well.

According to ECan's GIS an open drain crosses the site where it connects to Hoskyns Road.

## 7 Site History

### 7.1 Previous Site Ownership and Use

Historic Certificates of Title were searched and the following relevant ownership information was obtained:

Aug 1875 - Gazette Notice declaring land as reserve  
Jun 1994 - Selwyn Plantation Board  
Apr 2011 - Selwyn District Council

Note that some of the older information was of poor quality and difficult to follow, therefore the accuracy of the spelling of names and dates is not guaranteed.

Copies of the Historic Titles are included in **Appendix A**.

### 7.2 District Council Records

The Selwyn District Council (SDC) property file was reviewed and only included a lease and surrender of lease documents.

### 7.3 Regional Council Records

The ECan Listed Land Use Register Statement lists part of the subject site for 'A10 - Persistent pesticide bulk storage or use' with sports turfs noted on aerial photographs from 1966 until the present day. Additionally, bunds surrounding the Kirwee Domain playing fields were identified as potentially containing arsenic contaminated material. The top of the bunds were XRF tested and all results complied with recreational land use soil guideline values and were generally at expected background levels. The site is defined as 'Verified HAIL has been partially investigated'.

A nearby site is also listed:

- Kirwee Cemetery, 1801 Hoskyns Road for 'G1 - Cemeteries' since 1879 until the present day. The site is defined as 'Verified HAIL has not been investigated'.



A nearby investigation at 43 Tramway Road was undertaken by Kirk Roberts Consulting Engineers Ltd in July 2018. The Preliminary Site Investigation found no evidence of any HAIL activities having occurred at the site.

See LLUR Statement in **Appendix C**.

Resource consent information was sourced from the GIS mapping system. There are no active resource consents for the subject site. There are active resource consents for adjacent lots to discharge domestic sewage effluent into ground and to take and use groundwater.

#### **7.4 LINZ Records**

The LINZ Orchard layer does not show the subject site or adjacent lots as having listed orchards.

#### **7.5 Review of Historic Aerial Photographs**

A total of eight aerial photos (see copies in **Appendix B**) have been used to assess the historic use of the site as detailed below:

- The earliest photo is from **1941** and has been sourced from ECan's GIS. The subject site is part of a forestry block. Beyond the subject site to the north-east lies Kirwee Cemetery. Kirwee Showgrounds lies beyond the subject site to the east with animal pens and hall. There is a group of sheds to the south of the subject site.
- A photo from **1955** is also sourced from ECan's GIS. There are no significant changes to the subject site. A building has been added on the adjacent land to the east. Two dwellings have been built to the south of the subject site. Tennis courts have been constructed beyond the subject site to the south-east.
- A photo from **1965** is sourced from ECan's GIS and shows no significant changes to the subject site. The adjacent land to the east appears to have a recreational use with a sports field and a bowling green. Three buildings have been constructed on this land adjacent to the bowling green.
- A photo from **1975** is sourced from ECan's GIS and shows no significant changes to the subject site. A third dwelling has been built to the south of the subject site. Three poultry houses have been constructed beyond the subject site to the south, across Tramway Road.
- A photo from **1982** is sourced from ECan's GIS and shows the trees have been removed on the south-eastern corner of the site. This corner is now grassed. There are no significant changes to the surrounding area.
- A photo from **1995** is sourced from ECan's GIS and shows no significant changes to the subject site. Beyond the subject site to the south, two of the three poultry houses have been extended. Beyond the subject site to the south-east two additional sports courts have been constructed.
- A photo from **2004** is sourced from ECan's GIS and shows the south-eastern corner of the subject site is being developed as an extension of the reserve and has a recreational use. The trees on the rest of the subject site appear to have been harvested. Beyond the subject site to the south the third poultry house has been extended.
- The most recent aerial photo reviewed, dated **2015**, is sourced from ECan's GIS. The area of the subject site not yet developed as reserve is now pasture. A shed has been built on the reserve area of the subject site. Rural residential development has occurred to the



south of the subject site. The tennis club building to the east of the subject site has been extended.

## **8 HAIL Uses and Possible Types of Contaminants Associated with Past Use**

### ***A - Chemical manufacture, application and bulk storage***

#### ***10. Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds***

The subject site has been used as a forestry block until the early 1980s. The south-eastern corner of the site then became pasture. In the mid-2000s the south-eastern corner of the site was developed for a recreational use. The rest of the site became pasture.

The corner of the site developed for recreation in the mid-2000s is listed on the LLUR for 'A10 - Persistent pesticide bulk storage or use' because of the sports fields. However, given the era the sports fields were created it is considered highly unlikely that any persistent pesticides would have been used on the area.

The rest of the site has been used for forestry and then pasture. The normal uses of fertilisers and pastoral weed controls associated with these uses are unlikely to have caused soil contamination that would pose a risk to human health.

### ***H - Any land that has been subject to the migration of hazardous substances from adjacent land in sufficient quantity that it could be a risk to human health or the environment***

A cemetery is located approximately 74m east of the subject site. It is considered highly unlikely that any contamination would have migrated from the cemetery onto the subject site.

A bowling green has been located approximately 35m east of the subject site since sometime between 1955 and 1965. Given the separation distance it is considered unlikely that any sprays used to maintain the bowling green would have migrated to the subject site in sufficient quantity to pose a risk to human health in a recreational use.

### ***I - Any other land that has been subject to the intentional or accidental release of a hazardous substance in sufficient quantity that it could be a risk to human health or the environment***

There is no evidence of any buildings on the subject site before the mid 2000's. It is considered highly unlikely that soil contamination from lead-based paint products or asbestos containing materials exists on the subject site in sufficient quantities that would pose a risk to human health.

## **9 Basis for Soil Guideline Values (SGV)**

### **9.1 Activity Description**

This report has been written for the following potential activities:

- Development of the site for recreational use,
- Soil disturbance activities associated with the above use and development of the site

## 9.2 Zoning

The subject site is currently zoned Outer Plains.

## 9.3 Soil Guideline Values

Human health soil contaminant standards for a group of 12 priority contaminants were derived under a set of five land-use scenarios and are legally binding under The Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Health) Regulations 2011 (NESCS). These standards have been applied where applicable. The regulations describe these as Soil Contaminant Standards. For contaminants other than the 12 priority contaminants, the hierarchy as set out in the Ministry for the Environment Contaminated Land Management Guidelines No 2 has been followed. These are generally described as Soil Guideline Values. For simplicity, this report uses the terminology Soil Guideline Values (SGV) when referring to the appropriate soil contaminant standard or other derived value from the hierarchy. For soil, guideline values are predominantly risk based, in that they are typically derived using designated exposure scenarios that relate to different land uses. For each exposure scenario, selected pathways of exposure are used to derive guideline values. These pathways typically include soil ingestion, inhalation and dermal adsorption. The guideline values for the appropriate land use scenario relate to the most critical pathway.

The land-use scenarios applicable for this site would be 'recreational' and 'commercial/industrial/outdoor maintenance workers' as a proxy for construction workers disturbing soils.

## 10 Site Characterisation and Conclusion

The majority of the subject site has been used for forestry and then pasture and this use is highly unlikely to have caused a risk to human health or the environment. There is no evidence of HAIL activities or industries having occurred on these areas of the subject site, now or in the past.

The south-eastern corner of the site was developed for a recreational use with sports fields in the mid-2000s. Use of persistent pesticides on sports turfs is included on the Hazardous Activities and Industries List (HAIL). However, given the era the sports fields were created it is considered highly unlikely that any persistent pesticides would have been used, and therefore no likely HAIL activity has occurred.

The subject site is considered suitable for recreational use with no further investigations required.

## 11 Planning Status

In terms of the NESCS section 5 (7) states that the land is considered to be covered if an activity or industry described in the HAIL is being undertaken on it; or has been undertaken on it; or it is more likely than not that an activity is being or has been undertaken on it.

Section 6 describes the methods for determining whether the land is as described in section 7. Method 6 (3) is to rely on a Preliminary Site Investigation.

This Preliminary Site Investigation has found that there is no evidence of an activity or industry described in the HAIL occurring on the subject site now or in the past. In terms of planning status at the time of writing of this report, the NESCS does not apply to the site.

## **12 Limitations**

Malloch Environmental Limited has performed services for this project in accordance with current professional standards for environmental site assessments, and in terms of the client's financial and technical brief for the work. Any reliance on this report by other parties shall be at such party's own risk. It does not purport to completely describe all the site characteristics and properties. Where data is supplied by the client or any third party, it has been assumed that the information is correct, unless otherwise stated. Malloch Environmental Limited accepts no responsibility for errors or omissions in the information provided. Should further information become available regarding the conditions at the site, Malloch Environmental Limited reserves the right to review the report in the context of the additional information.

Opinions and judgments expressed in this report are based on an understanding and interpretation of regulatory standards at the time of writing and should not be construed as legal opinions. As regulatory standards are constantly changing, conclusions and recommendations considered to be acceptable at the time of writing, may in the future become subject to different regulatory standards which cause them to become unacceptable. This may require further assessment and/or remediation of the site to be suitable for the existing or proposed land use activities. There is no investigation that is thorough enough to preclude the presence of materials at the site that presently or in the future may be considered hazardous.

No part of this report may be reproduced, distributed, publicly displayed, or made into a derivative work without the permission of Malloch Environmental Ltd, other than the distribution in its entirety for the purposes it is intended.

## ***Appendix A – Historic Certificates of Title***



**RECORD OF TITLE  
UNDER LAND TRANSFER ACT 2017  
FREEHOLD  
Historical Search Copy**



  
R.W. Muir  
Registrar-General  
of Land

Constituted as a Record of Title pursuant to Sections 7 and 12 of the Land Transfer Act 2017 - 12 November 2018

**Identifier** 778843  
**Land Registration District** Canterbury  
**Date Issued** 27 April 2017

**Prior References**

CB39B/114

---

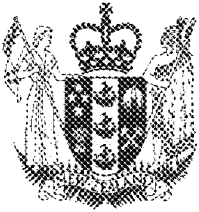
<b>Estate</b>	Fee Simple
<b>Area</b>	6.5074 hectares more or less
<b>Legal Description</b>	Section 1 Survey Office Plan 506720
<b>Purpose</b>	Reserve purposes

**Original Registered Owners**

Selwyn District Council

---

**Interests**



# COMPUTER FREEHOLD REGISTER UNDER LAND TRANSFER ACT 1952

Historical Search Copy



R. W. Muir  
Registrar-General  
of Land

**Identifier** CB39B/114  
**Land Registration District** Canterbury  
**Date Issued** 02 June 1994

**Cancelled**

## Prior References

GN A113371.1

---

<b>Estate</b>	Fee Simple
<b>Area</b>	26.4993 hectares more or less
<b>Legal Description</b>	Section 2 Survey Office Plan 4514

## Original Proprietors

Selwyn Plantation Board Limited

---

## Interests

A141854.1 Covenant in Transfer - 29.10.1994 at 11:45 am  
6182948.1 Revocation of Covenant A141854.1 - 14.10.2004 at 9:00 am  
8730931.1 Transfer to Selwyn District Council - 1.4.2011 at 4:27 pm  
10750907.1 Transfer of Section 1 SO 506720 to Selwyn District Council - 27.4.2017 at 9:19 am  
10750907.2 CTs issued - 27.4.2017 at 9:19 am

<b>Legal Description</b>	<b>Title</b>
Section 1 Survey Office Plan 506720	778843
Section 2 Survey Office Plan 506720	778844

CANCELLED

## References

Prior C/T  
Gazette Notice A113371/1  
Transfer No.  
N/C. Order No. A115907/1

Land and Deeds 69



## REGISTER

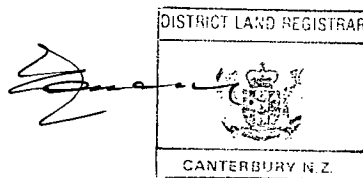
No. 39B/114

## CERTIFICATE OF TITLE UNDER LAND TRANSFER ACT

This Certificate dated the 2nd day of June one thousand nine hundred and ninety four under the seal of the District Land Registrar of the Land Registration District of CANTERBURY

WITNESSETH that SELWYN PLANTATION BOARD for plantation purposes ---

is seised of an estate in fee-simple (subject to such reservations, restrictions, encumbrances, liens, and interests as are notified by memorial underwritten or endorsed hereon) in the land hereinafter described, delineated with bold black lines on the plan hereon, be the several admeasurements a little more or less, that is to say: All that parcel of land containing 26.4993 hectares or thereabouts being Section 2 Survey Office Plan 4514 ---

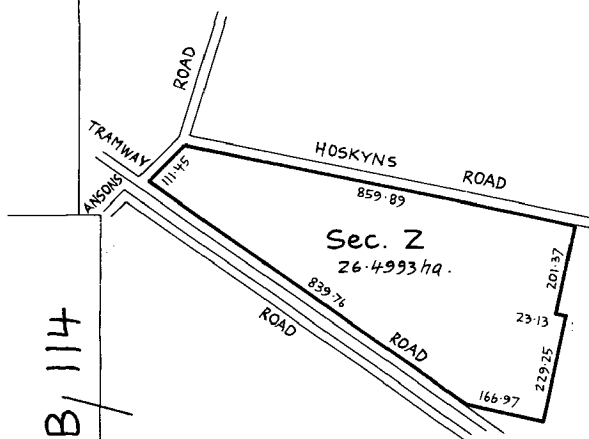


ASSISTANT LAND REGISTRAR

Transfer A141854/1 to Selwyn Plantation Board Limited at Darfield (Covenant) - 29.10.1994 at 11.45am

*[Signature]*  
for A.L.R.

Selwyn District



Measurements are Metric  
Ref: S.O. 4514

No. 39B/114

H22

H22



## ***Appendix B – Historic Aerials***

Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:54:21 a.m.



Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



0 0.06 0.12 0.18 0.24 Kilometres

Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:55:11 a.m.





Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:56:07 a.m.





Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:57:08 a.m.





Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



0 0.06 0.12 0.18 0.24  
Kilometres

Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:58:14 a.m.





Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

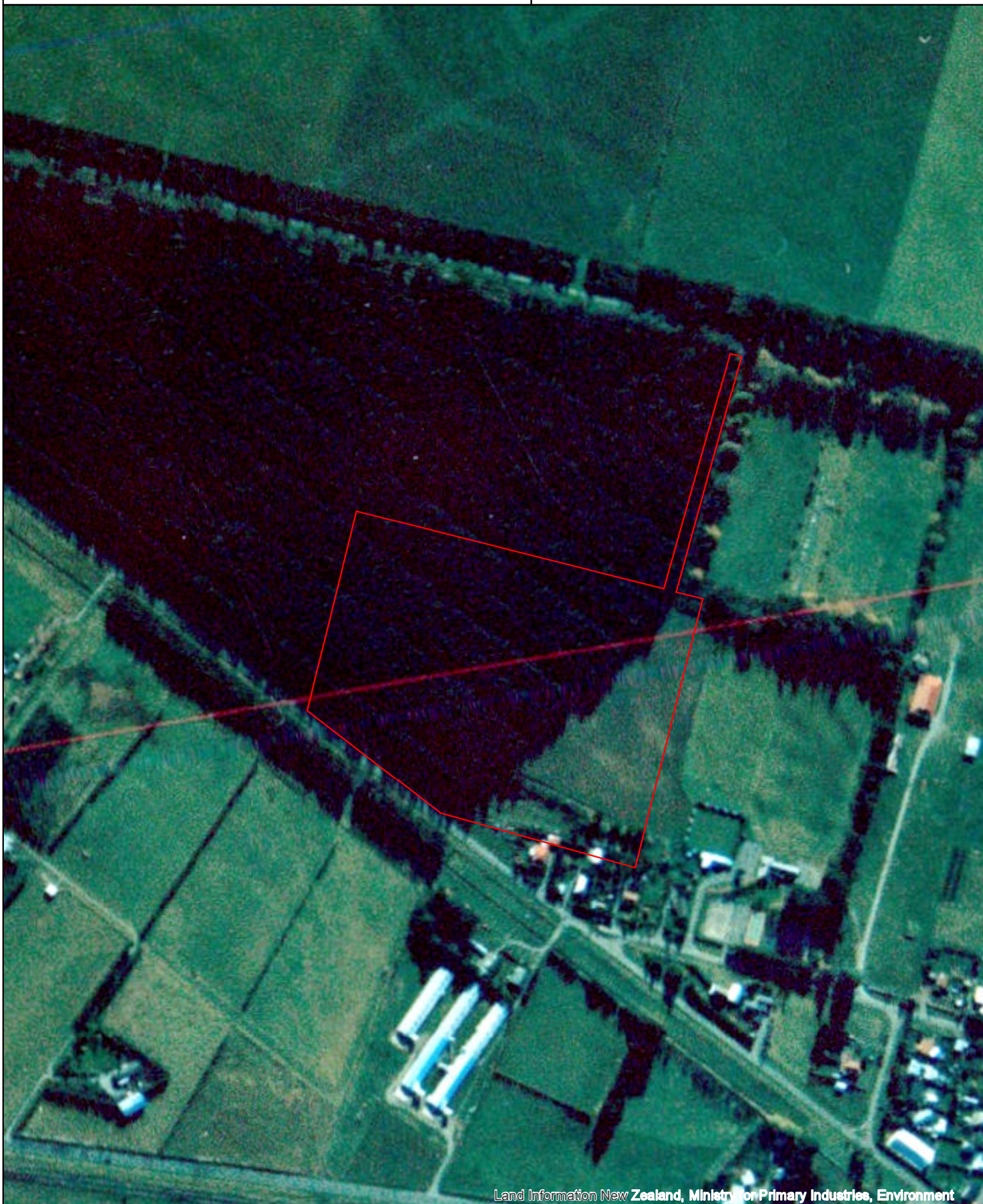
Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



0 0.06 0.12 0.18 0.24  
Kilometres

Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:58:49 a.m.





Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:59:30 a.m.





Information has been derived from various organisations, including Environment Canterbury and the Canterbury Maps partners. Boundary information is derived under licence from LINZ Digital Cadastral Database (Crown Copyright Reserved). Environment Canterbury and the Canterbury Maps partners do not give and expressly disclaim any warranty as to the accuracy or completeness of the information or its fitness for any purpose.

Information from this map may not be used for the purposes of any legal disputes. The user should independently verify the accuracy of any information before taking any action in reliance upon it.



Scale: 1:4,000 @A4

Map Created by MEL on 13/01/2019 at 9:53:04 a.m.



## ***Appendix C – LLUR Statement***



# Property Statement from the Listed Land Use Register

Visit [www.ecan.govt.nz/HAIL](http://www.ecan.govt.nz/HAIL) for more information about land uses.



Customer Services  
P. 03 353 9007 or 0800 324 636

PO Box 345  
Christchurch 8140

P. 03 365 3828  
F. 03 365 3194  
E. [ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz)

[www.ecan.govt.nz](http://www.ecan.govt.nz)

Date:	06 January 2019
Land Parcels:	Section 1 SO 506720 Valuation No(s): 2419020100



*The information presented in this map is specific to the area within a 100m radius of property you have selected. Information on properties outside the search radius may not be shown on this map, even if the property is visible.*

## Summary of sites:

Site ID	Site Name	Location	HAIL Activity(s)	Category
120041	RES 2416, Tramway Road	RES 2416, Tramway Road	A10 - Persistent pesticide bulk storage or use;	Partially Investigated
123856	Kirwee Cemetery	1801 Hoskyns Road, Kirwee	G1 - Cemeteries;	Not Investigated

*Please note that the above table represents a summary of sites and HAILS intersecting the area of enquiry within a 100m buffer.*

## Information held about the sites on the Listed Land Use Register

### Site 120041: RES 2416, Tramway Road (Intersects enquiry area.)

Site Address:	RES 2416, Tramway Road
Legal Description(s):	RES 2416, Section 2 SO 4514

**Site Category:**

Partially Investigated

**Definition:**

Verified HAIL has been partially investigated.

**Land Uses (from HAIL):**

Period From	Period To	HAIL land use
1966	Present	Persistent pesticide bulk storage or use including sports turfs, market gardens, orchards, glass houses or spray sheds

**Notes:****7 Dec 2015**

This record was created as part of the Selwyn District Council 2015 HAIL identification project.

**7 Dec 2015**

Area defined from 1966 to Present aerial photographs. Horticultural activities (persistent pesticides) were noted in aerial photographs reviewed. (Sports turfs: Bowling green, cricket pitch).

**6 Jul 2017**

As a result of investigations at Stanwood Grove, Darfield the earth bunds surrounding the Kirwee Domain playing fields were identified as potentially containing arsenic contaminated material. The top of the bunds were analysed using an XRF device to measure arsenic concentrations on site. A sample was collected every 10 metres. All results complied with recreational land use soil contaminant standard and were generally at expected background concentration for the area. No soil samples were submitted for laboratory analysis. The reported volume of material imported would be a very minor proportion of the approximate 3,000 m3 bund.

**Investigations:**

There are no investigations associated with this site.

**Site 123856: Kirwee Cemetery** (Within 100m of enquiry area.)**Site Address:**

1801 Hoskyns Road, Kirwee

**Legal Description(s):**

RES 2358

**Site Category:**

Not Investigated

**Definition:**

Verified HAIL has not been investigated.

**Land Uses (from HAIL):**

Period From	Period To	HAIL land use
1879	Present	Cemeteries

**Notes:****27 Feb 2015**

This record was created as part of the Selwyn District Council 2015 HAIL identification project.

**27 Feb 2015**

Area defined from 1941 to present aerial photographs. A cemetery was noted in aerial photographs reviewed.

**27 Feb 2015**

Area defined from 1941 to present aerial photographs. A cemetery was noted in aerial photographs reviewed.

**Investigations:**

There are no investigations associated with this site.

**Information held about other investigations on the Listed Land Use Register****27 Jul 2018**

**INV 218832: Preliminary Site Investigation, 43 Tramway Road, Kirwee 7571** (Preliminary Site Investigation)  
Kirk Roberts Consulting Engineers Limited

**Summary of investigation(s):**

A Preliminary Site Investigation (PSI) was undertaken in July, 2018, at 43 Tramway Road, by Kirk Roberts Consulting Engineers Limited. The investigation found no evidence of any HAIL activities having occurred at the site, but did note some small scale hazardous substance storage in the shed to the west of the main dwelling on the original lot. Because no HAIL activities were identified on the property, no site or activity has been created on the LLUR.

**For further information from Environment Canterbury, contact Customer Services and refer to enquiry number ENQ225186.**

**Disclaimer:** *The enclosed information is derived from Environment Canterbury's Listed Land Use Register and is made available to you under the Local Government Official Information and Meetings Act 1987 and Environment Canterbury's Contaminated Land Information Management Strategy (ECan 2009).*

*The information contained in this report reflects the current records held by Environment Canterbury regarding the activities undertaken on the site, its possible contamination and based on that information, the categorisation of the site. Environment Canterbury has not verified the accuracy or completeness of this information. It is released only as a copy of Environment Canterbury's records and is not intended to provide a full, complete or totally accurate assessment of the site. It is provided on the basis that Environment Canterbury makes no warranty or representation regarding the reliability, accuracy or completeness of the information provided or the level of contamination (if any) at the relevant site or that the site is suitable or otherwise for any particular purpose. Environment Canterbury accepts no responsibility for any loss, cost, damage or expense any person may incur as a result of the use, reference to or reliance on the information contained in this report.*

*Any person receiving and using this information is bound by the provisions of the Privacy Act 1993.*