

2 May 2024

Rangitoopuni Developments Limited Partnership C/- Avant Property Development Ltd

Attn:

Dear

Desktop Contamination Assessment – Rangitōpuni Riverhead (Lots 1 and 2), Forestry Road, Riverhead

(Our Reference: 020190.001.001_01)

1 Introduction

ENGEO Ltd was requested by Rangitoopuni Developments Limited Partnership to undertake a desktop contamination assessment at Rangitōpuni Riverhead (Lots 1 & 2), Forestry Road, Riverhead (within Riverhead Forest; site boundary shown on Figure 1). This work has been carried out in accordance with our signed agreement, dated 23 April 2024.

We understand that Rangitoopuni Developments Limited Partnership propose to subdivide Lot 1 for residential redevelopment; Lot 2 will remain one lot and be developed into a retirement village. The purpose of the assessment was to assess information relating to current and historical potential contamination sources at the site. Our scope of works comprised:

- A review of historical aerial photographs;
- Review of Auckland Council's response to a Site Contamination Enquiry; and
- Review of photographs from ENGEO's previous visits to the site (as part of concurrent geotechnical works).

This investigation was undertaken in general accordance with the Ministry for the Environment's (MfE) Contaminated Land Management Guidelines (CLMG) No. 1: Reporting on Contaminated Sites in New Zealand (MfE, 2021a). The investigation was supervised, and the report reviewed and approved by a suitably qualified and experienced contaminated land practitioner in accordance with national environmental regulations for soil contamination.



2 Site Description

The site is located within Riverhead Forest, north of Riverhead township, Auckland. No buildings are visible on the site in recent aerial photographs, however various forestry roads are present, which are mapped as Barlow Road, Link Road, Forestry Road, Deacon Road, Blake Road and Cobblers Lane, in addition to various unnamed roads.

Site information is summarised in Table 1 – information was obtained from Auckland Council Geomaps, unless otherwise indicated.

Table 1: Site Information

Item	Description
Site Address	Lot 1: Old North Road, Huapai 0892 Lot 2: Forestry Road, Riverhead 0892
Legal Description	Lot 1: Lot 1 DP 590677 Lot 2: Lot 2 DP 590677
Current Land Use	Forestry
Proposed Land Use	Residential and Retirement Village
Site Area	Lot 1: 222.7519 ha Lot 2: 173.6192 ha Total: 396.3711 ha
Territorial Authority	Auckland Council
Zoning	Rural – Countryside Living Zone
Geology	The site is mapped by GNS (Heron, 2001) as overlying East Coast Bays Formation of the Waitemata Group, generally comprising "alternating sandstone and mudstone with variable volcanic content and interbedded volcaniclastic grits." ENGEO has previously completed geotechnical investigations at the site (ENGEO, 2024), which identified East Coast Bays Formation and Albany Conglomerate deposits, generally consistent with published mapping.
Topography	The site is undulating, varying in elevation between about 100 m and 25 m above mean sea level. Mapped contours indicate steep slopes in the southeast of Lot 2 sloping towards Rangitōpuni Stream, and slopes dipping towards the central boundary between Lots 1 and 2.



Item	Description
Hydrology	A permanent stream (unnamed) is mapped flowing southward, generally along the boundary between Lots 1 and 2. There are also a number of tributaries flowing downward towards this stream.
	A permanent stream (unnamed) and a number of tributaries are also mapped at the western part of Lot 1, flowing west.
	Various overland flow paths are also present through the site, which generally indicate surface water flows as follows:
	 At the western part of the site, water likely flows west towards Ararimu Stream;
	 At the central and northern parts of the site, water likely flows south along the unnamed stream, before turning east south of the site to Rangitōpuni Stream.
	 At the southeast part of the site, water likely flows southeast to the same unnamed stream, nearer to the discharge point with Rangitōpuni Stream.
	The site is mapped as overlying a High-Use Stream Management Area Overlay.
Hydrogeology	Based on surface contours and nearby surface water bodies, shallow groundwater flow direction is expected to vary across the site, but generally consistent with overland flows.
	ENGEO's concurrent geotechnical works (ENGEO, 2024) identified standing groundwater between 0.2 m and 3.6 m bgl, however noted that groundwater depth was likely to vary (near the surface in low-lying areas and deeper along ridgelines).
	The site is mapped as overlying a High-Use Aquifer Management Area Overlay – Kumeu Waitemata Aquifer.

3 Site History

3.1 Te Ara Encyclopedia of New Zealand

Te Ara Encyclopedia of New Zealand (McClure, 2024) includes a description of Riverhead within a historical summary of Auckland. It notes that "Riverhead State Forest was planted on 5,000 ha of poor gum land from 1929 to 1933. Owned today by the forest is popular for its biking trails."

Based on this and other online sources, we understand that the site was historically used for gum digging of kauri, before being converted to forestry in the 1920s – 1930s.

3.2 Historical Aerial Photographs

Aerial photographs dating from 1940 to 2024 have been reviewed and selected photographs are included and discussed in Attachment 1. The aerials were sourced from Auckland Council GeoMaps, Retrolens, Google Earth Pro and Nearmaps New Zealand.



The aerial photographs indicate that the site has been used exclusively for forestry since at least 1940. No significant changes are visible on the site throughout this period, except for periodic clearing and planting of trees and occasional re-routing of the forestry roads.

3.3 Auckland Council Response to a Site Contamination Enquiry

ENGEO was provided by the client with Auckland Council's response to a Site Contamination Enquiry, dated 3 February 2023. The enquiry covered a large area comprising the majority of Riverhead Forest, which includes the present site. The response is included as Attachment 2.

The following information is relevant to this investigation:

- Auckland Council concluded that there is no contamination information within Council records for the site.
- A Preliminary Site Investigation (PSI) was prepared by Cato Bolam (2014) which did not identify
 any potential contaminating activities (discussed further below).

In preparing the response, the former Auckland Regional Council and current databases were searched for records of verified and non-verified HAIL sites, closed landfills, bores, air discharge, industrial and trade process consents, contaminated site discharge consents, and environmental assessments within approximately 200 metres of the site.

Relevant findings in relation to this assessment are as follows:

- An incident was listed in 2009 as "Riverhead Forest drum leaking oil". Based on the map, this is inferred to be in the central part of Lot 2. The incident notes 'Nil' impact and volume identified. No other relevant incidents were noted. Forestry manager Sam Middlemass, who has been working on-site since the year 2000 stated to ENGEO that this incident was not included in his records. Further, according to Mr Middlemass, the only drums present on-site during forestry activities are 1,000 L diesel tanks used for refueling machinery. These are double-lined and mounted on bunded sleds which are stored in locked shipping containers overnight. As the discharge was not found by the council monitoring officer on the day it was reported, it is considered likely that the leaking drums discharge volume was relatively minor.
- No HAIL activities are listed on the site. Various HAIL activities are listed relating to the industrial
 area south of the site. Given that these are downslope from the site and activities near the
 boundary appear to be limited, impacts to the site from these activities are considered unlikely.
- Various bore records are listed for domestic supply, stock supply or irrigation, including two
 bores north of the site within Riverhead Forest. Given that these entries date up to 2015, we
 consider that there is reasonable potential for potable water supplies to be present near the
 site.
- Consents are listed within the site boundary for:
 - Exotic Tree Harvesting (expired in 1993);
 - To take water from a stream for industrial use;



- To discharge treated sewage effluent from a treatment plant by spray irrigation (within 600 m of map reference; granted 1987, expired 1996 and listed as 'not replaced'); and
- Overland flows of potable water from the Riverhead Reservoir.
- Various consents are listed around the site for water supplies, trade waste, discharges from a cleanfill and orcharding.

ENGEO was also provided with the PSI referenced within Auckland Council's response (Cato Bolam, 2014). The investigation covered an area of about 20 hectares within Riverhead Forest about 1.5 km west of the present site, at which a cleanfill was proposed. While the site area does not overlap, we consider that it provides relevant information regarding site-wide activities within the forest. Cato Bolam concluded that there are no current or historical potentially contaminating activities at the site.

4 Potential HAIL Activities

If current or historical activities included on the Hazardous Activities and Industries List (HAIL; MfE, 2021b) are identified at a site the NESCS may apply. An intrusive contaminated land investigation (DSI) is then required prior to redevelopment to determine the actual impact of the HAIL activities on the ground conditions at the site, and to assess resource consent requirements for the redevelopment works under the NESCS.

Auckland Council's records of consents indicated that treated wastewater was likely sprayed in Riverhead Forest sometime between 1987 and 1996. While the consent location is within the site boundary, the precise location or nature of this spraying is not known. We do not consider this constitutes HAIL Activity G5: Waste disposal to land (excluding where biosolids have been used as soil conditioners) given that treated wastewater from the site is unlikely to contain significant amounts of contaminants. This is in line with recent MfE guidance on application of HAIL ID G5 (MfE, 2023), which suggests that this HAIL activity primarily relates to untreated wastewater or wastewater from industrial sources.

Based on the information reviewed as part of this investigation, we have not identified a HAIL activity at the site.

5 Regulatory Context

In Auckland, management of potentially contaminated soils is covered by the following regulations:

- Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 (NESCS, 2011).
- Auckland Unitary Plan, operative in part 15 November 2016 (the AUP; Auckland Council, 2016).

5.1 The NESCS

The intent of the NESCS is to protect the human health of the site's end users, the site redevelopment workers and the surrounding populations.



Given that a HAIL activity has not been identified at the site, the site does not meet the definition of 'land covered' under Regulation 5(7).

5.2 Auckland Unitary Plan

The AUP sets out consent requirements for dealing with discharges to the environment from contaminated land (including passive discharges on an ongoing basis).

Given that no potentially contaminating activities have been identified at the site, we consider it unlikely that the site meets the definition of 'land containing elevated levels of contaminants'. Therefore, the contaminated land provisions of the AUP (Section E30) are not considered applicable to the site.

6 Conclusions

The investigation has not identified a potentially contaminating activity at the site. The proposed subdivision is therefore not subject to the NESCS or the contaminated land provisions of the AUP.

No further investigation work is considered necessary to support the consent application for the planned redevelopment.

If soil disposal is required as part of the redevelopment works, soil testing may be required to assess whether the soil meets the Auckland Council definition of cleanfill.

If unexpected contamination is discovered during redevelopment, Auckland Council should be notified and the provisions of Rules E11 and E12 should be followed.



7 Limitations

- i. We have prepared this report in accordance with the brief as provided. This report has been prepared for the use of our client, Rangitoopuni Developments Limited Partnership, their professional advisers and the relevant Territorial Authorities in relation to the specified project brief described in this report. No liability is accepted for the use of any part of the report for any other purpose or by any other person or entity.
- ii. The recommendations in this report are based on the ground conditions indicated from published sources, site assessments and subsurface investigations described in this report based on accepted normal methods of site investigations. Only a limited amount of information has been collected to meet the specific financial and technical requirements of the Client's brief and this report does not purport to completely describe all the site characteristics and properties. The nature and continuity of the ground between test locations has been inferred using experience and judgement and it should be appreciated that actual conditions could vary from the assumed model.
- iii. Subsurface conditions relevant to construction works should be assessed by contractors who can make their own interpretation of the factual data provided. They should perform any additional tests as necessary for their own purposes.
- iv. This Limitation should be read in conjunction with the Engineering NZ / ACENZ Standard Terms of Engagement.
- v. This report is not to be reproduced either wholly or in part without our prior written permission.

We trust that this information meets your current requirements. Please do not hesitate to contact the undersigned on the information if you require any further information.

Report prepared by

Report reviewed by



Attachments:

Attachment 1 - Historical Aerials

Attachment 2a - Auckland Council Site Contamination Enquiry

Attachment 2b - Auckland Council Site Contamination Enquiry Incident Records



8 References

Auckland Council GeoMaps < http://maps.aucklandcouncil.govt.nz/aucklandcouncilviewer/>.

Auckland Council, 2016. Auckland Unitary Plan. Operative in part – 15 November 2016 – updated 18 April 2024.

ENGEO, 2024. Geotechnical Summary of Lot 1 and Lot 2 – Rangitopuni Riverhead, Forestry Road, Riverhead, Auckland. Letter dated 31 January, 2024; reference 20190.000.001_07.

Heron D.W. (custodian). (2001). Geological Map of New Zealand 1:250,000. GNS Science Geological Map 1. Lower Hutt, New Zealand, GNS Science.

McClure, 2024. 'Auckland places - Kaipara Harbour and kauri towns', Te Ara - the Encyclopedia of New Zealand, http://www.TeAra.govt.nz/en/auckland-places/page-6 (accessed 22 April 2024).

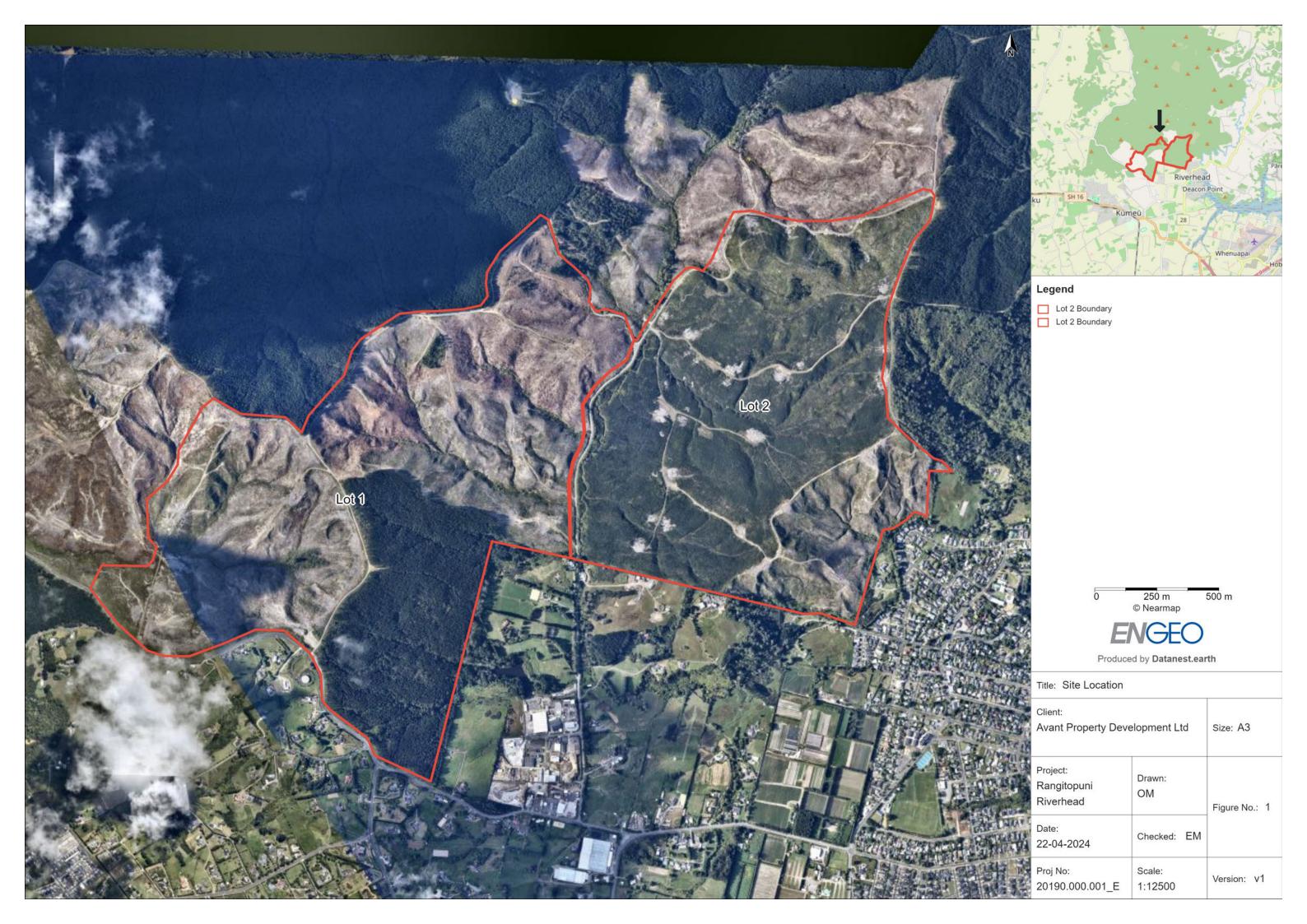
MfE, 2021a. Ministry for the Environment. (2021). Contaminated Land Management Guidelines No.1: Reporting on Contaminated Sites in New Zealand.

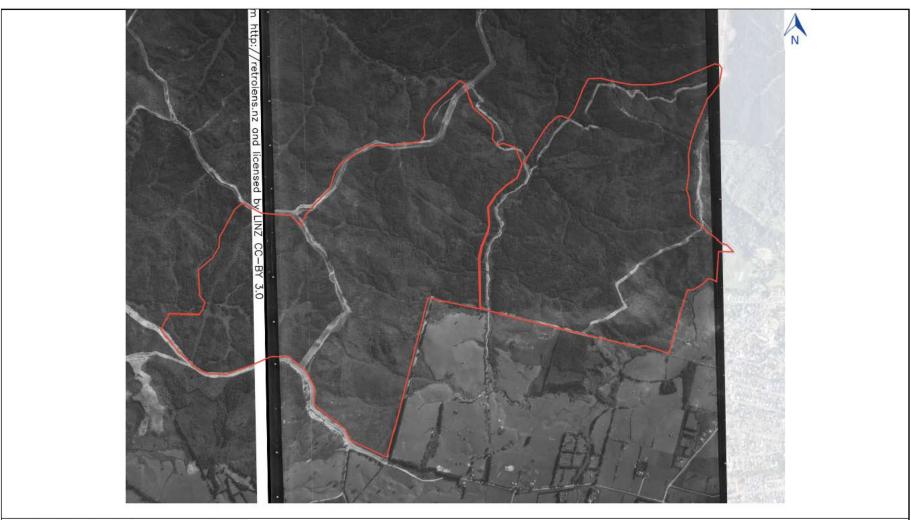
MfE, 2021b. Ministry for the Environment. (2021). Hazardous Activities and Industries List (HAIL).

MfE, 2023. Ministry for the Environment. (2023). Hazardous Activities and Industries List guidance: Identifying HAIL Land.

NESCS, 2011. The Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations (2011).



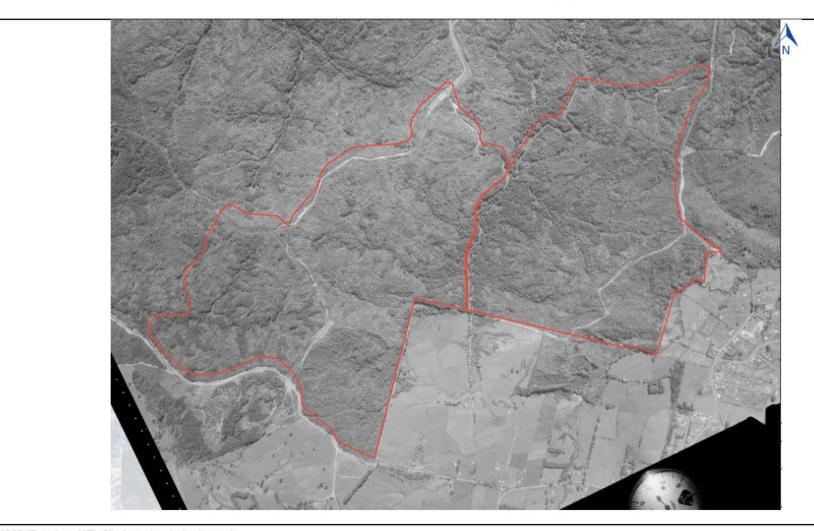




1940 (Retrolens NZ). Site boundary indicative only.

The site is under forestry use, with some forestry roads throughout. The surrounding area is primarily forestry (northwest and southwest) or agricultural (southeast).





1960 (Retrolens NZ). Site boundary indicative only. No significant changes to the site since 1940.

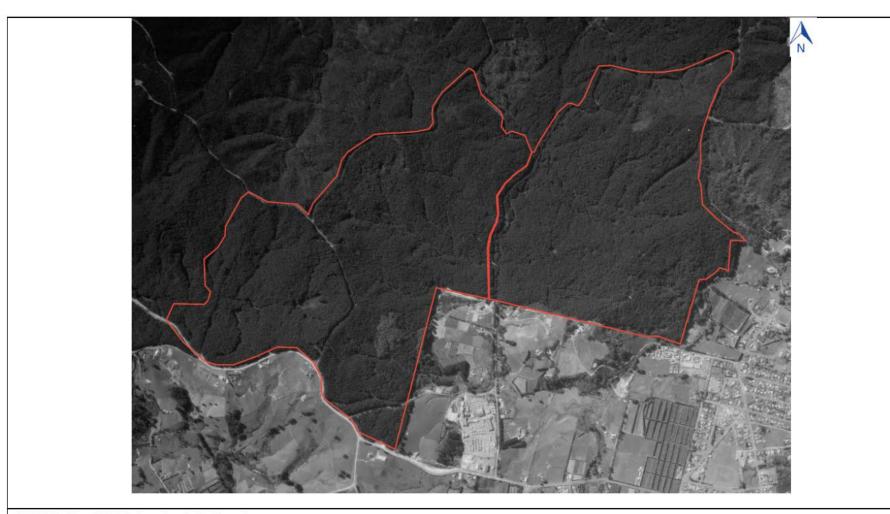




1978 (Retrolens NZ) . Site boundary indicative only.

No significant changes to the site since 1978. There is increased industrial development to the south, and a forestry area to the southwest now appears to be agricultural.





1988 (Retrolens NZ). Site boundary indicative only.

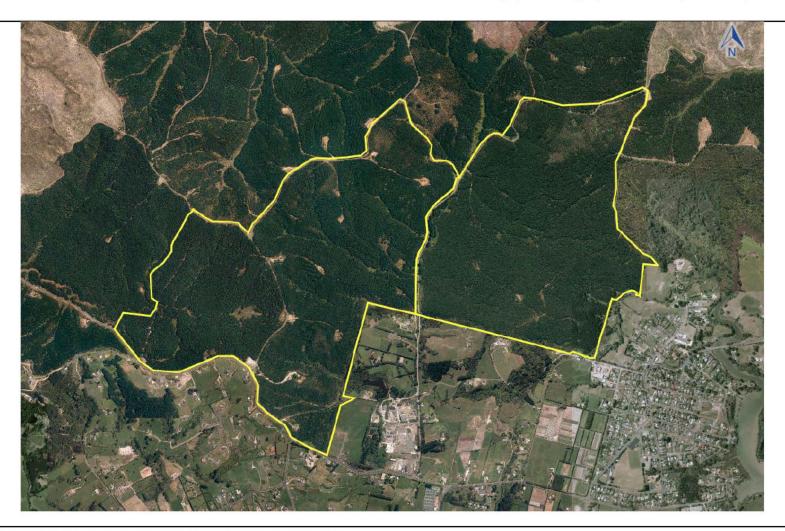
No signflicant changes to the site or surrounding area since 1978.





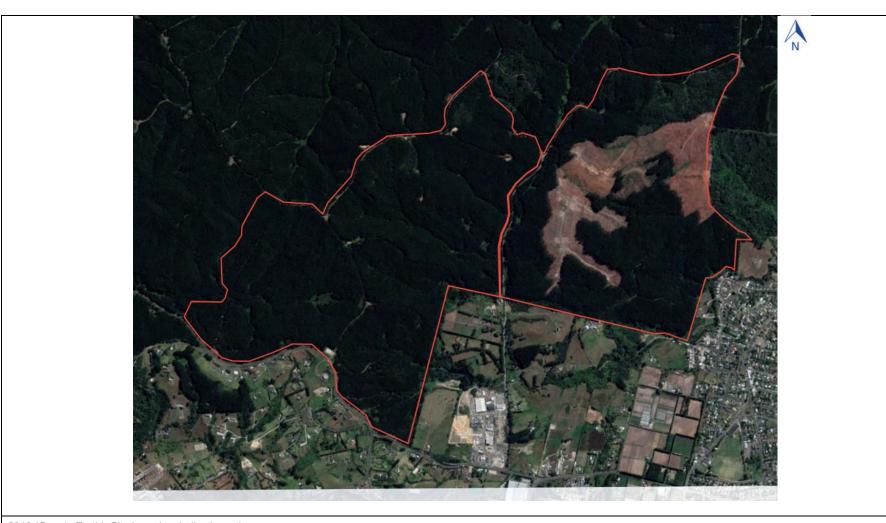
1996 (Auckland Council Geomaps). Site boundary as indicated by Auckland Council. No signflicant changes to the site or surrounding area since 1978.





2011 (Auckland Council Geomaps). Site boundary as indicated by Auckland Council. No signflicant changes to the site or surrounding area since 1996.





2019 (Google Earth). Site boundary indicative only.

A forested area at the eastern part of Lot 2 has been cleared. No other significant changes since 2011.





2024 (Nearmaps NZ). Site boundary indicative only.

The majority of Lot 1 has been cleared. No other significant changes since 2019.





3 February 2023

PO Box 91562, Victoria Stree AUCKLAND 1140	t
Attention:	
Dear	

Site Contamination Enquiry - Forestry Road, Riverhead

This letter is in response to your enquiry requesting available site contamination information within Auckland Council records for the above site. Please note this report does not constitute a site investigation report; such reports are required to be prepared by a (third-party) Suitably Qualified and Experienced Practitioner.

The following details are based on information available to the Contamination, Air & Noise Team in the Resource Consent Department. The details provided may be from former regional council information, as well as property information held by the former district/city councils. For completeness the relevant property file should also be requested to obtain all historical records and reports via 09 3010101 or online at:

 $\underline{\text{https://www.aucklandcouncil.govt.nz/buying-property/order-property-report/Pages/order-property-file.aspx.}$

1. Hazardous Activities and Industries List (HAIL) Information

This list published by the Ministry for the Environment (MfE) comprises activities and industries that are considered likely to cause land contamination as a result of hazardous substance use, storage, and/or disposal.

There is no contamination information within Council records for the site. A Preliminary Site Investigation undertaken on a portion of the site dated December 2014 did not identify any potential contaminating activities.

Please note:

- If you are demolishing any building that may have asbestos containing materials (ACM) in it, you have obligations under the Health and Safety at Work (Asbestos) Regulations 2016 for the management and removal of asbestos, including the need to engage a Competent Asbestos Surveyor to confirm the presence or absence of any ACM.
- Paints used on external parts of properties up until the mid-1970's routinely contained lead, a
 poison and a persistent environmental pollutant. You are advised to ensure that soils affected
 by old, peeling or flaking paint are assessed in relation to the proposed use of the property,
 including high risk use by young children.

2. Consents and Incidents Information (200m radius of the selected site)

The Council database was searched for records of the following activities within approximately 200 metres of the site:

- Pollution Incidents (including air discharges, oil or diesel spills)
- Bores
- Contaminated site and air discharges, and industrial trade process consents
- Closed Landfills
- Air quality permitted activities
- Identified HAIL activities

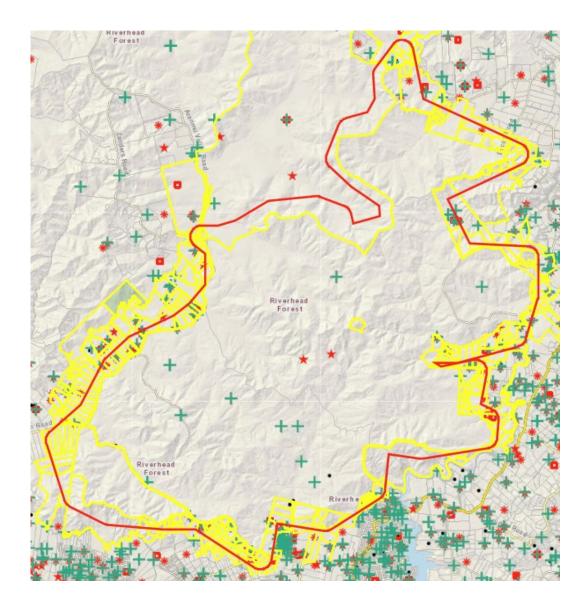


Figure 1: Selected Consents, Incidents and HAIL activities within approximately 200m of the subject site

Legend:



Relevant details of any pollution incidents and consents and HAIL activities are appended to this letter (Attachment A). Please refer to the column titled 'Property Address' on the spreadsheet to aid in identifying corresponding data on the map.

For any identified HAIL sites, please refer to the tab "HAIL activities" for more information (Column C and D include HAIL activity details where these are available).

Please note:

The HAIL activity hatching in Figure 1 only reflects whether a site has been identified as a HAIL site (both verified and non-verified) by the Council and the type of HAIL associated with the site. This does not confirm whether the site has been formally investigated or the contamination status of the property (e.g. contaminated, remediated etc.). Additionally, due to limitations within Council's records, the specific HAIL activity is not included in the data for all properties. For further information on any of these known HAIL sites, a subsequent site contamination enquiry can be lodged for the specific property (up to 5 adjacent properties can be covered in one request).

While the Auckland Council has carried out the above search using its best practical endeavours, it does not warrant its completeness or accuracy and disclaims any responsibility or liability in respect of the information. If you or any other person wishes to act or to rely on this information, or make any financial commitment based upon it, it is recommended that you seek appropriate technical and/or professional advice.

If you wish to clarify anything in this letter that relates to this site, please contact contaminatedsites@aucklandcouncil.govt.nz. Any follow up requests for information on other sites must go through the online order process.

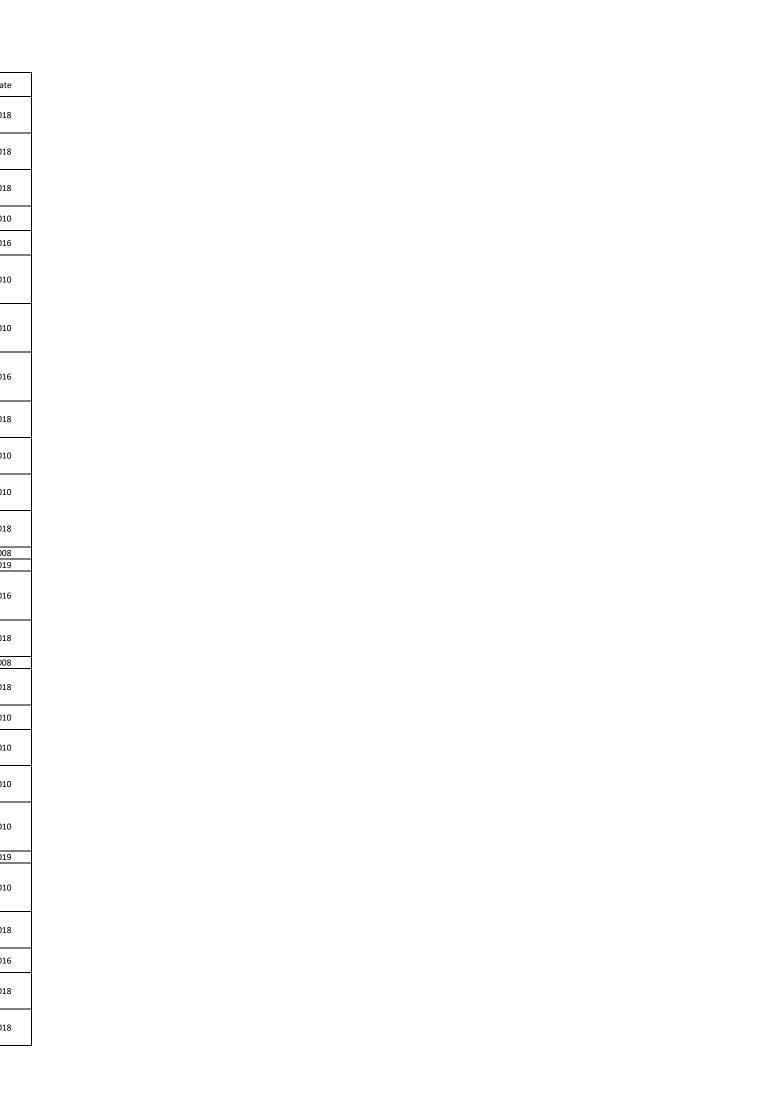
Should you wish to request any of the files referenced above and/or listed in the attached spreadsheet for viewing, please contact the Auckland Council Call Centre on 301 0101 and note you are requesting former Auckland Regional Council records (the records department requires three working days' notice to ensure the files will be available).

Please note Auckland Council cost recovers officer's time for all site enquiries. As such an invoice for \$228 for the time involved in this enquiry will follow shortly.

Yours Sincerely,

Contamination, Air and Noise Team Specialist Unit | Resource Consents Auckland Council

SAPSiteID	PropertyAddress	HAILCode	HAILDescription	LodgedDate
11481785	31 Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11481786	33 Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11481787	33R Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11000370	27 Pinetone Road Huapai 0892	Storage tanks or drums for fuel, chemicals or liquid waste	Storage tanks or drums for fuel, chemicals or liquid waste	14/06/2010
11001663	93 Forestry Road Riverhead 0892	Chemical manufacture, formulation or bulk storage	Chemical manufacture, formulation or bulk storage	26/08/2016
11035633	23 Timber Place Riverhead 0892	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage of treated timber outside	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage o	27/01/2010
11035639	49 Forestry Road Riverhead 0892	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage of treated timber outside	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage o	27/01/2010
11049752	40 Deacon Road Riverhead 0892	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage of treated timber outside	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage o	26/08/2016
11000096	263 Riverhead Road Riverhead 0892	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	12/12/2018
11021800	Lot 2 DP 53102, Old North Road Huapai 0892	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	15/06/2010
11006883	465 Old North Road Huapai 0892	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	15/06/2010
11481784	29 Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11183532 11032729	22 Duke Street Riverhead 0820 Crown Land , Crown Land Xxxx	Landfill sites Landfill sites	Landfill sites Landfill sites	17/07/2008 16/01/2019
11049752	40 Deacon Road Riverhead 0892	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage of treated timber outside	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage o	26/08/2016
11481784	29 Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11183532	22 Duke Street Riverhead 0820	Landfill sites	Landfill sites	17/07/2008
11481787	33R Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11000370	27 Pinetone Road Huapai 0892	Storage tanks or drums for fuel, chemicals or liquid waste	Storage tanks or drums for fuel, chemicals or liquid waste	14/06/2010
11021800	Lot 2 DP 53102, Old North Road Huapai 0892	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	15/06/2010
11006883	465 Old North Road Huapai 0892	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	Gun clubs or rifle ranges, including clay targets clubs that use lead munitions outdoors	15/06/2010
11035639	49 Forestry Road Riverhead 0892	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage of treated timber outside	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage o	27/01/2010
11032729	Crown Land , Crown Land Xxxx	Landfill sites	Landfill sites	16/01/2019
11035633	23 Timber Place Riverhead 0892	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage of treated timber outside	Wood treatment or preservation including the commercial use of anti-sapstain chemicals during milling, or bulk storage o	27/01/2010
11481785	31 Berenice Lane Riverhead 0793	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	21/11/2018
11001663	93 Forestry Road Riverhead 0892	Chemical manufacture, formulation or bulk storage	Chemical manufacture, formulation or bulk storage	26/08/2016
11000096	263 Riverhead Road Riverhead 0892	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	Persistent pesticide bulk storage or use including sport turfs, market gardens, orchards, glass houses or spray sheds	12/12/2018



CONSENT FILE_REFE NUMBER RENCE	ONSENT HOLDER		EVIEW_ EXPIRY_D	CONSENT_STATUS	PROCESSING_OFFICER	R PURPOSE	WORKS_DESCRIPTION	EASTING NORTHIN	ACTIVITY_STATUS	LAND_US E_UPDATE	LAND_US E_NOTE	BORE_USE	ACTIVITY_DESCRIPTION	SITE_NAM E	SITE_DESCRIPTION	MAIN_AQUIFER	AQUIFER	SUB_AQUIFER1	SUB_AQUI ENVIRONMENT_R FER2 PORTING_AREA	RE ALW_PLAN_ZO TL	HYDSYS_N DAT	E_DRI TOTAL_DI	GROUND_ELEVA TION	STATIC_WATE STATIC_W	ATER_D BORE_LO AQ	UIFER_ DIAMET	E DIAMETE I	DIAMETE CASIN	IG_F CASING_	CASING_T CA		REEN_T SCREEN_T CONTRAC CONSULT DATE_C	PROPERTY_ADDRESS LOC_TYP
0	2190	0						1739800 5930600	Drilled							Waitemata	Kumeu Waltemata	Kumeu Zone 2		Kumeu Waltemata	1989	90920 222				0	222	100 0	69		100	201706	1 Point
0	2221	1						1740800 5934000	Drilled				Drilled pre-1987 for KEE JEL JOE by PATTERS R & CO.	SON						TV III C	1957	70101 57				0	57	100 0	18.3		100	201706	11 Point
0	2236	6						1741300 5934100	Drilled				Drilled pre-1987 for FARMS B&L by *** DRILLER UNKNOWN ***.			Waitemata	Lower Kaipara Waitemata				2000	00101 198				0	198	100 0			100	201706	11 Point
0	2270	0						1743200 5934400	Drilled				Drilled pre-1987 for FOTHERINGHAM DA b *** DRILLER UNKNOWN ***.	by							2000	00101						0				201706	11 Point
0	227	1						1743780 5933870	Drilled				Drilled pre-1987 for GOOD by *** DRILLEF UNKNOWN. Location from pump test repor	R ort.	Rangitopuni Rd.	Waitemata	North Shore Waitemata	Rangitopuni Waitemata				198.1			Y	0	198.1	100 0			100	201706	Point Point
0	2274	4						1743860 5933910	Drilled				Drilled pre-1987 for SHAW BH & EM by PATTERSON R & CO. Location from pump to report.	est	Rangitpouni Rd.	Waitemata	North Shore Waitemata	Rangitopuni Waitemata	North - West		1980	00101 201.2			Y	γ 0	201.2	100 0	73.2		100	2017066	11 Point
16006 C512-12- 1944	5679	5 19970311	1998031	Expired	_Gillian Crowcroft		Construction of a 100mm dia. bore to approx. 120m depth and installation of PVC casing to approx. 60m.	1736690 5932860	Drilled			Industrial	Tapon to	784 (OLD NORTH RD, WAIMAUKU	Waitemata	Lower Kaipara Waitemata			Rodr	zy 1997	70404 130		24 19970	104 Y	Y 0	130	100 0	50	PVC/ABS	100	2017060	11 Point
22205 C512-12- 2320	2046	7 19990114	2000011	Expired	_Gillian Crowcroft	Authorise the construction of a bore for the extraction of groundwater for stock and domestic supply.	e Construction of a 100mm diameter bore to a depth of approximately 180m and installation of PVC casing to a depth of approximately 80m.	1742560 5938740	Proposed			Domestic/Stock		375	5 Blackbridge Rd, Dairy Flat					Rodr	zy							0				201706	12 457 Blackbridge Road Pine Valley Rodney Point
22263 C512-12- 2324	2047	73 19990128	19990129	Expired	_Gillian Crowcroft	Authorise the construction of a bore for the extraction of groundwater for irrigation supply.	e Construction of a 100mm diameter bore to approximately 250m and installation of steel casing to approximately 91m.	1744122 5934174	Drilled			Irrigation	Approx 25 cmpd for tunnel house irrigation		12 Croft Lane, Riverhead	Waitemata	North Shore Waltemata	Rangitopuni Waitemata		Rodr	1999 1999	90219 252.8		5.5 19990	224 Y	Υ 0	252.8	100 0	91.28	Steel	100	2017060	12 Croft Lane Riverhead Rodney Point
0	2086	_						1738790 5934970	Drilled			Irrigation	Pre permit bore. Location from pump test reports.	Dalowiii		Waitemata	Lower Kalpara Waltemata		North - West	Rodr	zy .							0				201706	1 Point
0	2109	91						1737700 5934120	Drilled			Irrigation	Pre permit bore. Location from file Ag 4951	1.	Ararimu Valley Rd	Waitemata	Lower Kalpara Waltemata		North - West	Rodr	ry 1984	119.1	45	9.2	Υ	0	119.1	100 0	51.8		100	201706	1 Point
0	2112	10						1743390 5934140	Drilled			Irrigation	Pre permit bore. Location from file Ag 6094	14.	Mill Flat Rd	Waitemata	North Shore Waitemata	Rangitopuni Waitemata	North - West	Rodr	ry 1985	0916 213.91			Υ	0	213	100 0	79		100	201706	11 Point
44592 C512-12- 5601	2986	20150610	20160600	Expired	Therese Malcon	To authorise the construction of one bore for domestic & stock purposes.		1737810 5934270	Drilled			Domestic/Stock	To authorise the construction of one bore for domestic & stock purposes.	Hansen 189 A	trarimu Valley Rd, Waimauku	Waitemata	Lower Kaipara Waitemata			Rodr	2016	50611 150	43	2.2 20161)22 Y	Y 0	150	104 0	90	PVC/ABS	104	201706	0 Ararimu Valley Road Ararimu Valley Rodney
0	2999	12						1737690 5934190	Drilled				Drilled pre 1987 by unknown driller. Source location from permit no: 45366 (file 4951) Diameter 100mm	Rand D 1	169 Ararimu Valley Road, ValmaukuLot 8 DP 64342	Waitemata	Lower Kaipara Waitemata			Rodr	zy		40									2017060	1 Point
53280 C512-12- 5691	2995	5 20151013		Assessment Completed	Reginald Samuel	To authorise the construction of one replacement bore for domestic purposes.	The construction of a 104mm diameter bore to an approximate depth of 150m. Installation of casing material to an approximate depth of 60m.	1737260 5933887	Proposed			Domestic	To authorise the construction of one replacement bore for domestic purposes.	Michael & Kimberly s. Wolfgram m						Rodr	zy											201706	113 Ararimu Valley Road Ararimu Valley Rodney
53010 C-512-12- 5253	2912	20131125		Assessment Completed	Reginald Samuel	The construction of one replacement bore for stock and domestic purposes.	The construction of one 104mm diameter bores to a maximum depth of 150m. Installation of PN 9 casing material to an approximate depth of 72m.	1737730 5934120	Drilled			Domestic/Stock	The construction of one replacement bore	Arran & e Anna Harding	167 Ararimu Valley Rd	Waitemata	Lower Kalpara Waltemata			Rodr	2013	81201 144				0	144	100 0	83		100	201706	167 Ararimu Valley Road Ararimu Valley Rodney Point
25076 C512-12- 2708	2135	3 20010323	2002032	Expired	_Gillian Crowcroft	Authorise the construction of a bore for irrigation purposes.	Construction of a 100mm diameter bore to a depth of approximately 180m. Installation of PVC casing to a depth of approximately 65m.	1737890 5934470	Drilled			Irrigation		West Brook Properties Limited	Ararimu Valley Road, Rodney	Waitemata	Lower Kalpara Waltemata		North - West	Rodr	2003	10401 130		6.7 20010	901 Y	Y 0	130	100 0	68	PVC/ABS	100	201706	215 Ararimu Valley Road Ararimu Valley Rodney
24350 C512-12- 2612	2126	55 20000904	20010904	Expired	_Gillian Crowcroft	Authorise the construction of a bore for the extraction of groundwater for stock and domestic supply.	e Construction of a 100mm diameter bore to a depth of approximately 160 and installation of PVC casing to a depth of approximately 70m.	1744700 5934600	Drilled			Domestic/Stock	Authorise the construction of a bore for th extraction of groundwater for stock and domestic supply.	he Gadfly I Enterprise : s Ltd	77 Croft Lane, Coatsville	Waitemata	North Shore Waitemata	Rangitopuni Waitemata		Rodr	2000 2000	00906 154		15 20000	906	Y 0	154	100 0	62	PVC/ABS	100	201706	77 Croft Lane Riverhead Point Rodney
10586 14/17/34 8	414	19890824	1990082	Expired	Andrew Millar	Authorize the construction of a bore for the extraction of groundwater for irrigation requirements.	e Construction of a 100mm dia. bore to approx. 220m depth, installation and full cement grouting of P.V.C. casing to approx. 60m.	1739880 5930550	Drilled				Construction of a 100mm dia. bore to appro 220m depth, installation and full cement grouting of P.V.C. casing to approx. 60m.	t O	OLD NORTH RD, KUMEU.,	Waitemata	Kumeu Waltemata	Kumeu Zone 2		Kumeu Waltemata Rodr	1989	90825 222			Y	0	222	100 0	69	PVC/ABS	100	201706	Point Point
43040 C512-12- 5362	2928	20140523	2015060	Expired	Reginald Samuel	To authorize the construction of one bore for domestic supply.		1738842 5934803	Drilled			Domestic/Stock	To authorize the construction of one bore for domestic supply.	305 for Ararimu Valley Road						Rodr	zy											2017066	305 Ararimu Valley Road Ararimu Valley Rodney
42342 C512-12- 5244	2911	15 20131203	2014120	Expired	Reginald Samuel	To authorise the construction of one bore domestic supply.		1744389 5934261	Drilled	Lifestyle 20140130		Domestic	To authorise the construction of one bore for domestic supply.	for 69 Croft Lane Riverhead		Waitemata	North Shore Waitemata	Rangitopuni Waitemata		Rodr	zy 2013	31208 228	27	9.33	Y			0	90		104	Welldriller s Chris Brown Umited	69 Croft Lane Riverhead Point Rodney
36092 C512-12- 4272	2319	8 20080801	2009073	Expired	Reginald Samuel	To authorise the construction of one bore for domestic and stock supply.	The construction of a 100mm diameter bore to an approximate depth of 120m - 200m. Installation of Grade C PVC casing material to an approximate depth of 60m - 80m. Proposed grouting to 30m.	1738535 5934570	Drilled			Domestic/Stock	To authorise the construction of one bore for domestic and stock supply.	for Nelson Trustees Limited		Waitemata	Lower Kalpara Waltemata			Rodr	ny 2008	00824 133.5		6.8 20080	324	Υ 0	133.5	104 0	64	PVC/ABS	104	201706	1 271 Ararimu Valley Road Ararimu Valley Rodney Point
36303 C512-12- 4288	2321	15 20081003	2009100	Expired	Reginald Samuel	To authorise the construction of one bore for water supply and investigation.	The construction of a 250mm diameter bore to	1738770 5931190	Proposed			Observation / Piezo	To authorise the construction of one bore fi water supply and investigation.	for Pintone Roa Road & Pin Old North Road	ad reserve on the corner of letone Road and Old North Road.					Rodr	zy											Beca Limited 201706i	Pinetone Road Riverhead Point Rodney
33983 C512-12- 3957	2284	14 20070329	2008033:	Expired	Reginald Samuel	To authorise the construction of a bore for domestic and stock supply.	A construction of a 100mm diameter bore to an r approximate depth of 180m. Installation of PVC casing material to an approximate depth of 80m. Proposed grouting to 30m.	1739063 5930986	Drilled			Domestic/Stock	To authorise the construction of a bore fo domestic and stock supply.	OF .		Waitemata	Lower Kalpara Waltemata			Rodr	200:	70426 190		36.3 20070	326	Υ 0	190	104 0	80	PVC/ABS	104	2017066	1 453 Old North Road Huapai Rodney Point
13504 C512-12- 1486	4689	9 19941222	1995122	Expired	_Marian Jenner	Authorize the construction of a bore for the extraction of groundwater for domestic supply	e Construction of a 100mm dia. bore to approx. 120m depth and installation of PVC casing to approx. 40m.	1737440 5934040	Drilled			Domestic	Approx 5 cmpd	139 A	krarimu Valley Rd, Waimauku	Waitemata	Lower Kalpara Walternata			Rodr	1995 1995	60121 112		16 19950	121 Y	Υ 0	112	100 0	59	PVC/ABS	100	201706	Point Point

CONSENT FILE		ACTIVITY	CONSENT_HOLDER	CONSENT_STATU	GRANTED_DAT	REVIEW_DATE	EXPIRY DATE	PROCESSING_OFFICE	PURPOSE	WORKS_DESCRIPTION	EASTING	NORTHING	ACTIVITY_ID	ACTIVITY_STATUS	ACTIVITY_DESCRIPTION	SITE NAME	SITE_DESCRIPTION	DATE_CREATED	PROPERTY_ADDRESS LOC	MON LOC_TYP ING_
_NUMBER RE				S	E			R							To authorise to continue quarrying and associated earthworks at		Comprises of a main pit, central and			0
38779 10	0293	Quarry		Issued	20110615	20141031	20261231	Samantha Langdon	To continue quarrying and associated earthworks at Coatesville Quarry. To discharge contaminants to land or water from a cleanfill receiving more than		1743400	5936600	20032	Occurring	Coatesville Quarry located 132 Robinson Road, Coatesville.	Coatesville Cleanfill	quartz pits and overburden deposition area	2/06/2017	132 Robinson Road Coatesville Rodney Po	Fly
	5141	Landfill Discharge		Expired	20150331		20170331	Ted Temple	To discharge contaminants to land or water from a cleanful receiving more than 250m3/year and to undertake 0.9 hectares (ha) of earthworks.		1742396 05	5939330.78	20311	Proposed	To discharge contaminants to land or water from a cleanfill receiving more than 250m3/year.	468 Blackbridge Road		2/06/2017	468 Blackbridge Road Pine Valley Rodney Po	Point Ni Don
42342 5	12-12- 5244	Bore		Expired	20131203		20141201	Reginald Samuel	To authorise the construction of one bore domestic supply. To discharge contaminants to land or water from a cleanful receiving more than		1744389	5934261	29115	Drilled	To authorise the construction of one bore for domestic supply. Discharge of contaminants to land and water from the importation of	69 Croft Lane Riverhead		2/06/2017	69 Croft Lane Riverhead Rodney Po	Point Ni
42711 24	4396	Landfill Discharge		Issued	20140509		20190509	Nigel Donovan	250m3/year and to undertake 0.8 hectares (ha) of earthworks.	Site has reached limit of 5000m3 in Dec 14	1742396 05	5939330.78	20324	Completed	cleanfill.	468 Blackbridge Road		2/06/2017	468 Blackbridge Road Pine Valley Rodney Po	Point Don
38055 21	1897	Wastewater Discharge		Surrendered	20100927	20110531	20241231	_David Parkinson	To discharge of up to 15 cubic meters per day of treated domestic wastewater from 15 dwellings being stage 1 of a proposed 26 lot subdivision to ground soakage on-site.		1742100	5931500	21210	Proposed		Cobblers Lane		2/06/2017	2 Cobblers Lane Riverhead Rodney Po	Point _T Bul
42724 14	4125	Wastewater Discharge		Issued	20140303	20140530	20290930	_Tony Bullard	To discharge winery trade wastewater to land from an existing winery.	Works34.The key system components are described below. Minor variations are acceptable as long as they produce the same quality discharge, however any such variations must be approved in writing by the Manager. As such, the following	1737900	5934500	21514	Occurring	Proposal to renew the expired discharge consent (22652), to discharge trade wastewater onsite from a winery (15,000 litres per day).	West Brook Winery		2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney Po	Point Me Wy
										dimensions and stan Works10.The key components of the wastewater treatment systems shall be										
42638 14	4125	Wastewater Discharge		Issued	20140303	20140330	20290531	_Tony Bullard	To discharge domestic type wastewater to land from an existing restaurant/tasting rooms that are on site.	consistent with that described in the application and shall comprise at least the following minimum components, dimensions and standards: a)Wastewater treatment plant consisting o	1737900	5934500	21513	Occurring	Proposal to renew the expired discharge consent (22652), to commerical wastewater onsite from a restaurant (4,000 litres per day)	West Brook Winery		2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney Po	Point Me Wy
	4362	Discharge Other		Issued	20140402	20150630	20490402	_Justine Quinn	To discharge of unplanned overflows of potable water.		1739494.77	5931010.58	20326	Proposed	Unplanned overflow discharges (drinking water) from the Riverhead Reservoir.	Riverhead Reservoir		2/06/2017	403 Old North Road Huapai Rodney Po	Point Pat Bur
	12-12- 1944	Bore		Expired	19970311		19980311	_Gillian Crowcroft	Authorize the construction of a bore for the extraction of groundwater for stock and domestic supply	Construction of a 100mm dia. bore to approx. 120m depth and installation of PVC casing to approx. 60m.	1736690	5932860	5675	Drilled			784 OLD NORTH RD, WAIMAUKU	2/06/2017	Pr	Point
39018 12	2532	Take		Issued	20110803	20160531	20210531	_Nick Hazard	To take and use up to 100 m3 per day and no more than 15,000 m3 per year of groundwater from a quarry pit located within the Waitemata Rangitopuni aquifer at map reference 1743560mE 5936470mN for quarry dewatering and dust suppression.		1743560	5936470	20929	Proposed	Application to take upto 100m3/day of groundwater for quarry dewatering and for dust control.	Lawson & Zambucka Ltd		2/06/2017	132 Robinson Road Coatesville Rodney Po	Point Ke
	12-12-	Bore		Expired	20140523		20150601	Reginald Samuel	To authorize the construction of one bore for domestic supply.		1738842	5934803	29287	Drilled	To authorize the construction of one bore for domestic supply.	305 Ararimu Valley Road		2/06/2017	305 Ararimu Valley Road Ararimu Valley Rodney Po	Point Reg
	38714	Vegetation Removal		Expired	19930219		19950530	_Brian Handyside	EXOTIC TREE HARVEST		1740700	5932800	482			RIVERHEAD FOREST - CPT 4		2/06/2017	P	Point
11926 AG9	936094	Take		Surrendered	19931126	19981231	20080531	Andrew Millar	TO TAKE GROUNDWATER FOR IRRIGATION OF 4 9 HECTARES OF ORCHARD.	A 100MM DIAMETER BORE	1743390	5934140	1660	Occurring	Orchard		225 MILL FLAT ROAD, COATESVILLE	2/06/2017	225 Mill Flat Road Riverhead Rodney Po	Point _Na Kui
44592 5	12-12- 6601	Bore		Expired	20150610		20160608	Therese Malcon	To authorise the construction of one bore for domestic & stock purposes.	A construction of a 100mm diameter bore to an approximate depth of 180m.	1737810	5934270	29864	Drilled	To authorise the construction of one bore for domestic & stock purposes.	R & S Hansen	189 Ararimu Valley Rd, Waimauku	2/06/2017	0 Ararimu Valley Road Ararimu Valley Rodney Po	Point
	12-12- 3957	Bore		Expired	20070329		20080331	Reginald Samuel	To authorise the construction of a bore for domestic and stock supply.	Installation of PVC casing material to an approximate depth of 80m. Proposed grouting to 30m.	1739063	5930986	22844	Drilled	To authorise the construction of a bore for domestic and stock supply.			2/06/2017	453 Old North Road Huapai Rodney Po	PointNa Kui
316 AG6	560319	Take		Cancelled	19691013				To take water from aBorefor -Pastoral		1743200	5934400	1661		To take water from aBorefor -Pastoral			2/06/2017		Point
317 AR6	560320	Take Take		Cancelled	19700331 19690210				To take water from aRiver/lakefor -Pastoral To take up to 10 cmpd from a River/lake		1743200 1741000	5934400 5931800	1662 1566		To take water from aRiver/lakefor -Pastoral To take up to 10 cmpd from a River/lake			2/06/2017		Point Point
2739 AR7		Take		Cancelled Replaced	19890210		19861231		To take up to 1200 cmpd from a River/lake		1741000	5931800	1712		To take up to 1200 cmpd from a River/lake			2/06/2017		Point
	792211	Take		Replaced	19800212		19911231		2 8 ha orchard		1743780	5933870	1682	Occurring	2.8 ha orchard		Rangitopuni Road	2/06/2017	15 Rangitopuni Road Riverhead Rodney Po	Point
4246 AG8	833871	Take		Replaced	19840518		19881231		4 ha Persimmon and Nashi Pear orchard		1738790	5934970	734	Occurring	4 ha Persimmon and Nashi Pear orchard	Brent Baldwin	327 Ararimu Valley Rd	2/06/2017	327 Ararimu Valley Road Ararimu Valley Rodney Po	Point
	802339	Take Take		Replaced	19800723 19841109		19911231	1	3 ha orchard	Proposed dam	1743860 1743620	5933910 5933700	1685	Occurring NeverOccurred	3 ha orchard Take water from a storage pond on an unnamed tributary of the	25-31 Rangitopuni Road, Riverhead		2/06/2017		Point Point
	833632	Take		Replaced	19841109		19911231		Take water from a storage pond on an unnamed tributary of the Rangitopuni River Orchard	Proposed dam	1743390	5933700	1660	Occurring	Rangitopuni River Orchard		225 MILL FLAT ROAD, COATESVILLE	2/06/2017		Point
5170 AG8	854951	Take		Replaced	19860131		19931231		3 ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per		1737700	5934120	644	Occurring	3 ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per day and 4500 cmpy of ground water from a bore			2/06/2017	167 Ararimu Valley Road Ararimu Valley Rodney Po	Point
4412 AR8	844042	Take		Cancelled	19841109		19881231		day and 4500 cmpy of ground water from a bore domestic and stock purposes. To take from a River/lake up to 15 cmpd for - Industrial Use		1742200	5931600	1623		domestic and stock purposes. To take from a River/lake up to 15 cmpd for - Industrial Use			2/06/2017		Point
5660 AG8		Take		Replaced	19871009		19881231		To take from a Bore up to 5 cmpd for - Hothouse/Shadehouse/Nursery		1739880	5930550	1505		To take from a Bore up to 5 cmpd for - Hothouse/Shadehouse/Nursery			2/06/2017		Point
5663 CG8	865468	Wastewater Discharge		Expired (Not	19870226		19961231		TO DISCHARGE TREATED SEWAGE EFFLUENT FROM A PROPOSED TREATMENT PLANT IN THE RIVERHEAD STATE FOREST BY MEANS OF SPRAY IRRIGATION ONTO FORESTED		1740400	5932800	2185				RIVERHEAD SEWAGE TREATMENT	2/06/2017	RIVERHEAD STATE FOREST RIVERHEAD Rodney	Point _A
				Replaced)					LAND WITHIN A 600 METRE RADIUS OF APPROXIMATE MAP REFERENCE NZMS R10 509945.								PLANT, RIVERHEAD STATE FOREST		District	Lor
6561 AG8	886391	Take Take		Expired Replaced	19890905 19890215		19940531		0.25 hectares of Glasshouse crops. TO TAKE GROUNDWATER FROM A BORE FOR TRICKLE IRRIGATION~OF AN ORCHARD	INSTALLATION OF A WATER METER	1739880 1743390	5930550 5934140	1505 1660	Occurring	To take from a Bore up to 5 cmpd for - Hothouse/Shadehouse/Nursery Orchard		225 MILL FLAT ROAD, COATESVILLE	2/06/2017		Point Point
	886554	Take		Replaced	19890609		19981231		AND NURSERY*** TO TAKE GROUNDWATER FROM A BORE FOR SPRAY IRRIGATION OF A 4 HECTARE	A 100MM DIAMETER BORE APPROXIMATELY 20 METRES WEST OF ARARIMU VALLEY	1738790	5934970	734	Occurring	4 ha Persimmon and Nashi Pear orchard	Brent Baldwin	327 Ararimu Valley Rd	2/06/2017		Point _Mic
				replaceu					PERSIMMON AND NASHI PEAR ORCHARD Discharge up to 12.5 cubic metres per day of treated domestic wastewater to ground	ROAD Gravel filter, pump station, back-up pump, irrigation delivery pipe, irrigation dripper				Occurring	D/c up to 14 cmpd of treated domestic wastewater to ground soakage	Forestry Road Properties ,	327 Mallillu Valley Ku			
8637 CG9	928435	Wastewater Discharge		Replaced	19940119	20051230	20061231	_Tony Thompson	soakage by trickle irrigation in the bush adjacent to the carter (Kumeu) Ltd sawmill at Forestry Road, Riverhead	lines.	1740200	5931100	2144	Occurring	by trickle irrigation in the bush adjacent to the Carter (Kumeu) Ltd sawmill at Forestry Rd, Riverhead	Riverhead		2/06/2017	21 Forestry Road Riverhead Rodney Po	Point St
8064 AG9	928125	Take		Surrendered	19920214	19970214	20060531	_Alan Goddard	To take groundwater for irrigation of a 3 hectare orchard	A 100 mm diameter bore	1743860	5933910	1685	Occurring	3 ha orchard	25-31 Rangitopuni Road, Riverhead		2/06/2017	31 Rangitopuni Road Riverhead Rodney Po	Point _Ni Allo
8223 AG9	927986	Take		Surrendered	19920214	20020101	20060531	_Alan Goddard	To take groundwater for irrigation of a 2.8 hectare orchard. TO TAKE GROUNDWATER FOR IRRIGATION OF UP TO 0.5 HA NURSERY AND TUNNEL	A 100 MM DIAMETER BORE	1743780	5933870	1682	Occurring	2.8 ha orchard		Rangitopuni Road	2/06/2017		Point _Ni
9611 AG9 8884 KR9	928664	Take Dam		Superseded Replaced	19930205 19920907	19980201 20061231	20060531	_Helen Moodie	TO DAM AN UNNAMED TRIBUTARY OF THE RANGITOPUNI STREAM	100 MM DIAMETER BORE TWO 1.5 M HIGH EARTH DAMS, LOCATED APPROXIMATELY 300M WEST OF	1744125 1745020	5934175 5935700	4201 641	Occurring	Irrigation of a 1 ha nursery and 0.25 ha of glasshouse AESTHETIC/WILDLIFE REFUGE	TWIN LAKES GARDEN	Corner Sunnyside Road & State Highway 18, Coatesville 83 SUNNYSIDE RD, COATESVILLE	2/06/2017	· · · · · · · · · · · · · · · · · · ·	Point Na
-	/17/34			-	19890824	20061231	19900825	A - d A E'll	Authorize the construction of a bore for the extraction of groundwater for irrigation	SUNNYSIDE ROAD COATESVILLE Construction of a 100mm dia. bore to approx. 220m depth, installation and full	1739880	5930550		Drilled	Construction of a 100mm dia. bore to approx. 220m depth, installation	I WIN LAKES GARDEN	OLD NORTH RD, KUMEU.,	2/06/2017		Point Kui
10586	8	Bore		Expired	19890824		19900825	Andrew Millar	requirements. To authorise the discharge of treated wastewater from a 22-lot industrial subdivision	cement grouting of P.V.C. casing to approx. 60m. Wastewater Production and Treatment: Aerated wastewater treatment system	1739880	5930550	414	Drilled	and full cement grouting of P.V.C. casing to approx. 60m.		OLD NORTH RD, ROMEU.,	2/06/2017	PC	Point
34264 8	3435	Wastewater Discharge		Issued	20071008	20081231	20181231	Andrew Noble	to authorise the discharge of treated wastewater from a 22-tot industrial subdivision (maximum occupancy of 275 people) and from a caf&@/lunch bar to ground by dripper irrigation in accordance with Section 15(1)(b) of the Resource Management Act 1991.	(secondary level treatment) comprising of components of the following minimum specifications:¿(1x) 4.5m3 dual chambered grease trap (cafĀ©/lunch bar	1740200	5931100	2144	Occurring	D/c up to 14 cmpd of treated domestic wastewater to ground soakage by trickle irrigation in the bush adjacent to the Carter (Kumeu) Ltd sawmill at Forestry Rd, Riverhead	Forestry Road Properties , Riverhead		2/06/2017	21 Forestry Road Riverhead Rodney Po	Point Me Wy
36092 C51	12-12-	Bore		Expired	20080801		20090731	Reginald Samuel	To authorise the construction of one bore for domestic and stock supply.	only)Å2(1x) 23m3 septic tank wi The construction of a 100mm diameter bore to an approximate depth of 120m - 200m. Installation of Grade C PVC casing material to an approximate depth of 60m -	1738535	5934570	23198	Drilled	To authorise the construction of one bore for domestic and stock	Nelson Trustees Limited		2/06/2017	271 Ararimu Valley Road Ararimu Valley Rodney Po	Point
4	1272								To authorise the taking and use of groundwater from the Waitemata Aquifer for use in	80m. Proposed grouting to 30m.					supply. To take water upto 100m3 per day and 13000m3 per year for the					
36192 6	5554	Take		Issued	20080915	20130531	20230531	Andy Samaratunga	irrigation and water bottling in accordance with Section 14 of the Resource Mangement Act 1991.		1738794	5934976	20765	Proposed	irrigation of 4ha of orchard and market garden crops.	Purespring Enterprises		2/06/2017	327 Ararimu Valley Road Ararimu Valley Rodney Po	Point Ke
36303 C51	12-12- 1288	Bore		Expired	20081003		20091005	Reginald Samuel	To authorise the construction of one bore for water supply and investigation.	The construction of a 250mm diameter bore to an approximate depth of 250m. Installation of steel casing material to an approximate depth of 160m. Proposed	1738770	5931190	23215	Proposed	To authorise the construction of one bore for water supply and investigation.	Cnr Pintone Road & Old North Road	Road reserve on the corner of Pinetone Road and Old North Road.	2/06/2017	Pinetone Road Riverhead Rodney Po	Point
		Wastewat - Pi/		Do-! '	200205	200005	2040455	Debuggi and	Discharge up to 12.5 cubic metres per day of treated domestic wastewater to ground	grouting to full length. Works:The key system components are at least the following dimensions and standards:Wastewater Production and Treatment:(1x) primary treatment septic tank	474025	E03445-	2444	0	D/c up to 14 cmpd of treated domestic wastewater to ground soakage	Forestry Road Properties ,		2/05/2017	24 Ferreston Pro- 4 Pro-	Doint And
33197 8	9430	Wastewater Discharge		Replaced	20070531	20080531	20101231	_Delnaz Ghadiali	soakage by trickle irrigation in the bush adjacent to the carter (Kumeu) Ltd sawmill at Forestry Road, Riverhead	(6m3 capacity);(1x) primary treatment septic tank (6m3 capacity);(1x) secondary treatment septi	1740200	5931100	2144	Occurring	by trickle irrigation in the bush adjacent to the Carter (Kumeu) Ltd sawmill at Forestry Rd, Riverhead	Riverhead		2/06/2017	21 Forestry Road Riverhead Rodney Po	Point No
12126 AG9	934951	Take		Expired (Not Replaced)	19940202	19981230	20080531	Andrew Millar	To take groundwater for irrigation of 3.0 hectares of citrus orchard	A 100mm diameter bore	1737700	5934120	644	Occurring	ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per day and 4500 cmpy of ground water from a bore domestic and stock purposes.			2/06/2017	167 Ararimu Valley Road Ararimu Valley Rodney Po	Point _Na Kui
	951029 3	Quarry		Superseded	19980712		20030804	_Graeme Ridley	A Land Use Consent: Sediment Control for a quarry operation and associated earthworks inclusive of a cleanfill operation at Coatesville.	On-going quarry and cleanfill activity.	1743400	5936600	20032	Occurring	To authorise to continue quarrying and associated earthworks at Coatesville Quarry located 132 Robinson Road, Coatesville.	Coatesville Cleanfill	Comprises of a main pit, central and quartz pits and overburden deposition	2/06/2017	132 Robinson Road Coatesville Rodney Po	Point
13E04 CS1	12-12- 1486	Bore		Expired	19941222		19951222	_Marian Jenner	Authorize the construction of a bore for the extraction of groundwater for domestic supply	Construction of a 100mm dia. bore to approx. 120m depth and installation of PVC casing to approx. 40m.	1737440	5934040	4689	Drilled	Approx 5 cmpd		area 139 Ararimu Valley Rd, Waimauku	2/06/2017	P	Point
	2532	Take		Replaced	20020827	20060530	20110531	Andrew Millar	To divert groundwater to a quarry sump for quarrying dewatering operations and to take water from a quarry sump for dust control.	For Winery: Coarse Screen Baskets 1 X 5m3 & 2 X 10m3 Sentic (Settlement) Tanks	1743560	5936470	20432	Occurring	take groundwater at Coatesville Quarry	Coatsville Quarry	132 Robinson Rd, Coatsville	2/06/2017	132 Robinson Road Coatesville Rodney Po	Point _Na Kui
22652 14	4125	Discharge Other		Expired	19991115		20131231	_Riley Consultants	To authorise the discharge of up to 15m3 per day of treated winery wastewater onto via spray irrigation and up to 4m3 of treated restaurant wastewater into land via subsurface irrigation in accordance with Section 15(1b) of the Resource Management	For Winery: Coarse Screen Baskets, 1 X 5m3 & 2 X 10m3 Septic (Settlement) Tanks Each Including Zoeller Commercial Filters, 1 X 5m3 Pump Chambers & 2 X 10m3 Emergency Storage Chambers Including High Water Level Alarms And Pumps, Disc	1737900	5934500	20073	Occurring	Processing water and sewage	West Brook Winery		2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney Po	Point _T
224.45	EEFA.	Total		Sugar - de -	30000	200005	304005	4,4	Act 1 To authorise the taking of groundwater for irrigation of 4 0 hectares of orchard in	Filter And Mobile Sp A 100 millimetre diameter bore located approximately 220 metres northwest of	472075	E0340	774	0	d be Derries and Market	Decret Politics	227.4	2/05/20:-	227 Academy Valley 2 and 4 and 2	Doint Na
	5554	Take		Surrendered	20050111	20080531	20180531	Andrew Millar	accordance with Section 14 of the Resource Management Act 1991.	Ararimu Valley Road.	1738790	5934970	734	Occurring	4 ha Persimmon and Nashi Pear orchard	Brent Baldwin	327 Ararimu Valley Rd	2/06/2017	327 Ararimu Valley Road Ararimu Valley Rodney Po	Point Kui
	12-12- 2320	Bore		Expired	19990114		20000115	_Gillian Crowcroft	Authorise the construction of a bore for the extraction of groundwater for stock and domestic supply.	Construction of a 100mm diameter bore to a depth of approximately 180m and installation of PVC casing to a depth of approximately 80m.	1742560	5938740	20467	Proposed			375 Blackbridge Rd, Dairy Flat	2/06/2017	457 Blackbridge Road Pine Valley Rodney Po	Point Ro Bann
	3664	Take		Replaced	19990303	20010501	20060531	Andrew Millar	To take groundwater for irrigation of 0.22 hectare of plastic house and 0.23 hectare of out door crops.	A 100mm diameter bore .	1744125	5934175	4201	Occurring	Irrigation of a 1 ha nursery and 0.25 ha of glasshouse		Corner Sunnyside Road & State Highway 18, Coatesville	2/06/2017	12 Croft Lane Riverhead Rodney Po	Point _Na Kui
	12-12- 2324	Bore		Expired	19990128		19990129	_Gillian Crowcroft	Authorise the construction of a bore for the extraction of groundwater for irrigation supply.	Construction of a 100mm diameter bore to approximately 250m and installation of steel casing to approximately 91m.	1744122	5934174	20473	Drilled	Approx 25 cmpd for tunnel house irrigation		12 Croft Lane, Riverhead	2/06/2017	12 Croft Lane Riverhead Rodney Po	Point _Gi Crow
	12-12- 2612	Bore		Expired	20000904		20010904	_Gillian Crowcroft	Authorise the construction of a bore for the extraction of groundwater for stock and domestic supply.	Construction of a 100mm diameter bore to a depth of approximately 160 and installation of PVC casing to a depth of approximately 70m.	1744700	5934600	21265	Drilled	Authorise the construction of a bore for the extraction of groundwater for stock and domestic supply.	Gadfly Enterprises Ltd	77 Croft Lane, Coatsville	2/06/2017	77 Croft Lane Riverhead Rodney Po	Point
24350 2			طالا	Expired	20010323		20020325	_Gillian Crowcroft	Authorise the construction of a bore for irrigation purposes.	Construction of a 100mm diameter bore to a depth of approximately 180m. Installation of PVC casing to a depth of approximately 65m.	1737890	5934470	21353	Drilled		West Brook Properties Limited	215 Ararimu Valley Road, Rodney	2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney Po	Point
24350 2 25076 CS1	12-12- 2708	Bore			l	20080531	20180531	Andrew Millar	To authorise the taking of groundwater for irrigation of 6.0 hectares of vineyard, and back-up supply for use in a winery and restaurant in accordance with Section 14 of the	A 100 millimetre diameter bore.	1737890	5934470	20305	Occurring		West Brook Properties Limited	215 Ararimu Valley Road, Rodney	2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney Po	Point Ke
25076 C51 25076 2		Take		Issued	20010418					i e e e e e e e e e e e e e e e e e e e							1		+	
25076 C51 2 25078 15	5462	Take					20/400110	Andrew Kalkarea	Resource Management Act 1991. Long-term discharge of contaminants to land and water from a contaminated site.		1739969 20	5930999 00	20141	Occurring	Discharge of lead shots/pellets to ground and groundwater from		Undated rateship details 5 /0 /nc	2/06/2017	465 Old North Poad Huanai Bodoo	And Point Kalb
25076 C51 2 25078 15	2708			Issued	20010418	20160110	20490110	Andrew Kalbarczyk	Long-term discharge of contaminants to land and water from a contaminated site.		1738968 39	5930998.99	20141	Occurring	firearms usage on firing range		Updated rateable details 5/8/05 Comprises of a main pit central and	2/06/2017	465 Old North Road Huapai Rodney Po	Point Kalb
25076 C51 2 25078 15 30523 17	5462	Take					20490110	Andrew Kalbarczyk Mike Dunphy			1738968 39 1743400	5930998.99 5936600	20141	Occurring		Coatesville Cleanfill	Comprises of a main pit, central and quartz pits and overburden deposition area	2/06/2017		Point Kalb
25076 C51 2 25078 15 30523 17 26919 10	7981 Co	Take		Issued	20140110				Long-term discharge of contaminants to land and water from a contaminated site. A Land Use Consent: Sediment Control for a quarry operation and associated earthworks						firearms usage on firing range To authorise to continue quarrying and associated earthworks at	Coatesville Cleanfill Coatesville Cleanfill	Comprises of a main pit, central and quartz pits and overburden deposition area Comprises of a main pit, central and quartz pits and overburden deposition		132 Robinson Road Coatesville Rodney Pc	Point Kalb
25076 C51 25076 C51 2 25078 15 30523 17 26919 10	2708 5462 7981 Coi	Take sentaminated Site Discharge Quarry		Issued Replaced	20140110		20030804	Mike Dunphy	Long-term discharge of contaminants to land and water from a contaminated site. A Land Use Consent: Sediment Control for a quarry operation and associated earthworks inclusive of a cleanfull operation at Control for all control for Quarrying and associated earthworks at Control for Quarrying at Control for Quarryi	A 100 millimetre diameter, 250 metre deep bore located approximately 10 metres south of Croft Lane.	1743400	5936600	20032	Occurring	firearms usage on firing range To authorise to continue quarrying and associated earthworks at Coatesville Quarry located 132 Robinson Road, Coatesville. To authorise to continue quarrying and associated earthworks at		Comprises of a main pit, central and quartz pits and overburden deposition area Comprises of a main pit, central and	2/06/2017	132 Robinson Road Coatesville Rodney Pc 132 Robinson Road Coatesville Rodney Pc	Point Kalb

PERMITTED_ ACTIVITY_ID	FILE_REFERENCE	PERMITTED_ACTIVITY_ HOLDER	PERMITTED_ACTIVITY_ TYPE	ACTIVITY	CONSENT_STATUS	GRANTED_DATE REVIEW_DATE	EXPIRY_DATE	PROCESSING_OFFICER	PURPOSE	WORKS_DESCRIPTION	EASTING	NORTHING	ACTIVITY_ID	ACTIVITY_STATUS	ACTIVITY_DESCRIPTION	SITE_NAME	SITE_DESCRIPTI ON	DATE_CREATED	PROPERTY_ADDRESS	LOC_TYP
50999	3-13-2734		Contaminated Site Discharge	Contamin ated Site Discharge	Assessment Completed			_Sarah Pinkerton	Soil, Sediment and Sediment Contamination present		1738936	5930942	20222	Occurring	Soil, Sediment and Water Contamination	Old North Road, Kumeu	Lots 2 and 3 DP 53102	2/06/2017	465 Old North Road Huapai Rodney	Area
51312	8125		Take groundwater (5m3/day) - Rule 6.5.27	Take	Assessment Completed			Andrew Millar	3 ha orchard		1743860	5933910	1685	Occurring	3 ha orchard	25-31 Rangitopuni Road, Riverhead		2/06/2017	31 Rangitopuni Road Riverhead Rodney	Point
51873	AG936094		Take groundwater (20m3/day) - Rule 6.5.28	Take	Assessment Completed			Andy Samaratunga	4.9 ha orchard		1743390	5934140	1660	Occurring	Orchard		225 MILL FLAT ROAD, COATESVILLE	2/06/2017	225 Mill Flat Road Riverhead Rodney	Point
51912	4951		Take groundwater (20m3/day) - Rule 6.5.28	Take	Assessment Completed			Andy Samaratunga	3 ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per day and 4500 cmpy of ground water from a bore domestic and stock purposes.		1737700	5934120	644	Occurring	3 ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per day and 4500 cmpy of ground water from a bore domestic and stock purposes.			2/06/2017	167 Ararimu Valley Road Ararimu Valley Rodney	Point
530	KR949439		Small Low Risk Dam	Dam	Assessment Completed				IRRIGATION		1744025	5933800	792	Existing	IRRIGATION	Waring & Jurlina	33 Berenice Lane, Riverhead	2/06/2017	33 Berenice Lane Riverhead Rodney	Point
50418	15706		Small Low Risk Dam	Dam	Assessment Completed			_Jonathan Moores	To dam a tributary of the Riverhead Stream for ornamental purposes.	Dam 1	1739800	5930400	20452	Proposed				2/06/2017	314 Old North Road Riverhead Rodney	Point
50419	15706		Small Low Risk Dam	Dam	Assessment Completed			_Jonathan Moores	To dam a tributary of the Riverhead Stream for ornamental purposes.	Dam 2	1739900	5930400	20453	Proposed				2/06/2017	326 Old North Road Riverhead Rodney	Point
50420	15706		Small Low Risk Dam	Dam	Assessment Completed			_Jonathan Moores	To dam a tributary of the Riverhead Stream for ornamental purposes.	Dam 3	1739800	5930400	20454	Proposed				2/06/2017	326 Old North Road Riverhead Rodney	Point
50072	14619		Small Low Risk Dam	Dam	Assessment Completed						1738915	5934925	20258	Existing			327 Ararimu Valley Road	2/06/2017	327 Ararimu Valley Road Ararimu Valley Rodney	Point
50074	14621		Small Low Risk Dam	Dam	Assessment Completed				Stock water/ornamental	A 2 m high earth dam	1739100	5931000	20260	Existing	Stock water/ornamental		Old North Road	2/06/2017		Point
709	KR10825		Small Low Risk Dam	Dam	Assessment Completed			_Marian Jenner	WILDLIFE POND		1736500	5932900	938		WILDLIFE POND			2/06/2017		Point
72	KR504346		Small Low Risk Dam	Dam	Assessment Completed				PURPOSE UNKNOWN		1742700	5939000	70		PURPOSE UNKNOWN			2/06/2017		Point
21557	12431		Small Low Risk Dam	Dam	Assessment Completed				For wildlife at 61 Croft Lane Coatesville		1744340	5934580	20172	Existing	For wildlife		61 Croft Lane Coatesville	2/06/2017	61 Croft Lane Riverhead Rodney	Point
21558	12432		Small Low Risk Dam	Dam	Assessment Completed				Wildlife refuge and recreation dam at 45 Croft Lane Albany		1744260	5934450	20173	Existing	Wildlife refuge and recreation		45 Croft Lane Albany	2/06/2017	45 Croft Lane Riverhead Rodney	Area
50788	16723		Small Low Risk Dam	Dam	Assessment Completed			_Jonathan Moores	To authorise a small low risk stock water supply dam.	A 1.3m high earth dam.	1744000	5938100	20587	Proposed			,	2/06/2017	102 Escott Road Dairy Flat Rodney	Point
53280	C512-12-5691		Bore	Bore	Assessment Completed			Reginald Samuel	To authorise the construction of one replacement bore for domestic purposes.	The construction of a 104mm diameter bore to an approximate depth of 150m. Installation of casing material to an approximate depth of 60m.	1737260	5933887	29955	Proposed	To authorise the construction of one replacement bore for domestic purposes.	Michael & Kimberly Wolfgramm		2/06/2017	113 Ararimu Valley Road Ararimu Valley Rodney	Point
53010	C-512-12-5253		Bore	Bore	Assessment Completed			Reginald Samuel	The construction of one replacement bore for stock and domestic purposes.	The construction of one 104mm diameter bores to a maximum depth of 150m. Installation of PN 9 casing material to an approximate depth of 72m.	r 1737730	5934120	29125	Drilled	The construction of one replacement bore	Arran & Anna Harding	167 Ararimu Valley Rd	2/06/2017	167 Ararimu Valley Road Ararimu Valley Rodney	Point

INCIDENT NUMBER	XCOORD	YCOORD	NZTMXCO ORD	NZTMYCO ORD	LOCATION	SUBURB	CATCHMENTCODE	POLLUTANTTYPE	RECIEVED	REPORT	INCIDENT TYPE	ACTIONEDBY	IMPACT	VOLUME	PROBLEM FOUND	CULPRITT RACED	RECORDDATE	INVESTIGATIOND ATE
14/0616	1740619	5931463	1740619	5931463	93 Forestry Rd	Riverhead	510	Not Found / Nothing	Hotline	Water pollution	Not Found		Nil	Nil	NO	YES	18/02/2014	18/02/2014
09/2172	1741269	5931914	1741269	5931914	Forestry Rd	Kumeu	510	Not Found / Nothing	Hotline	Riverhead Forest drum leaking oil	Not Found		Nil	Nil	NO	YES	8/07/2009	8/07/2009
13/1319	1737424	5932451	1737424	5932451	Old North Rd	Kumeu	313	Food / Beverage Wastes	Fire Pager	Wine spill from truck crash	Spill		Land Only	10-200 litres	YES	YES	11/03/2013	11/03/2013
13/0782	1742466	5939356	1742466	5939356	452 Blackbridge Rd	Dairy Flat			Hotline	Dead animal in water course					YES	YES	14/02/2013	14/02/2013