

2 May 2024

Rangitōopuni Developments Limited Partnership
C/- Avant Property Development Ltd

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Attn: [REDACTED]

Dear [REDACTED]

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

(Our Reference: 020190.001.001_01)

1 Introduction

ENGEO Ltd was requested by Rangitōopuni Developments Limited Partnership to undertake a desktop contamination assessment at Rangitōopuni 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 Rangitōopuni 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 volcanoclastic 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
<p>Hydrology</p>	<p>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.</p> <p>A permanent stream (unnamed) and a number of tributaries are also mapped at the western part of Lot 1, flowing west.</p> <p>Various overland flow paths are also present through the site, which generally indicate surface water flows as follows:</p> <ul style="list-style-type: none"> • 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. <p>The site is mapped as overlying a High-Use Stream Management Area Overlay.</p>
<p>Hydrogeology</p>	<p>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.</p> <p>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).</p> <p>The site is mapped as overlying a High-Use Aquifer Management Area Overlay – Kumeu Waitemata Aquifer.</p>

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 [REDACTED] 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, Rangitōpuni 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 [REDACTED] 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.

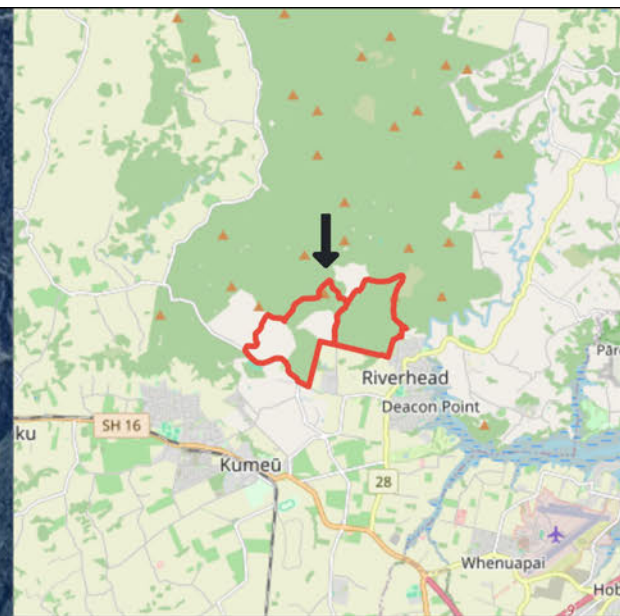
McClure, 2024. 'Auckland places - Kaipara Harbour and kauri towns', Te Ara - the Encyclopedia of New Zealand, <http://www.TeAra.govt.nz/en/auckland-places/page-6> (accessed 22 April 2024).

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).

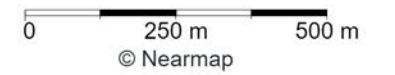
MfE, 2023. Ministry for the Environment. (2023). Hazardous Activities and Industries List guidance: Identifying HAIL Land.

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



Legend

- Lot 2 Boundary
- Lot 2 Boundary

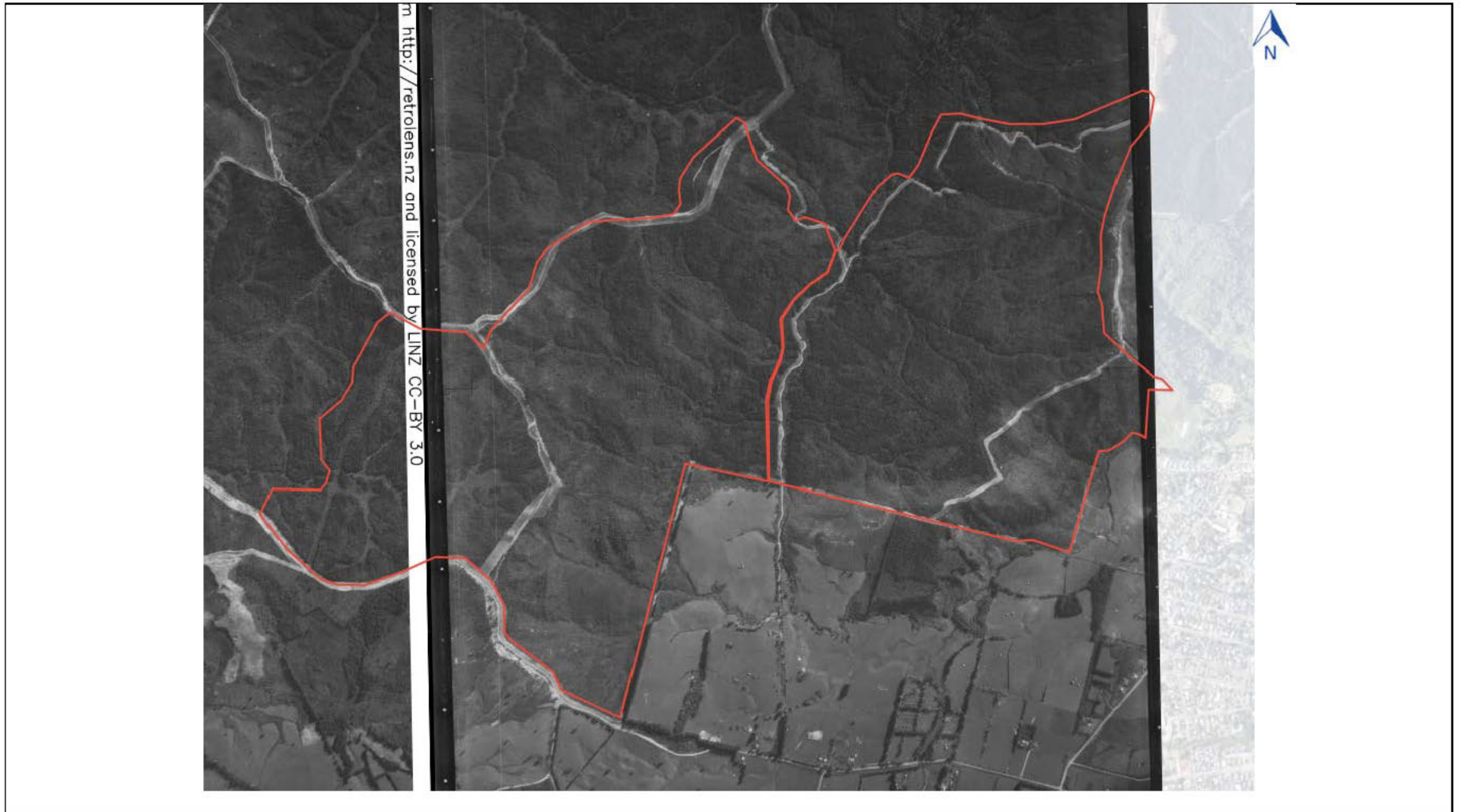


ENGEO

Produced by [Datanest.earth](https://www.datanest.com)

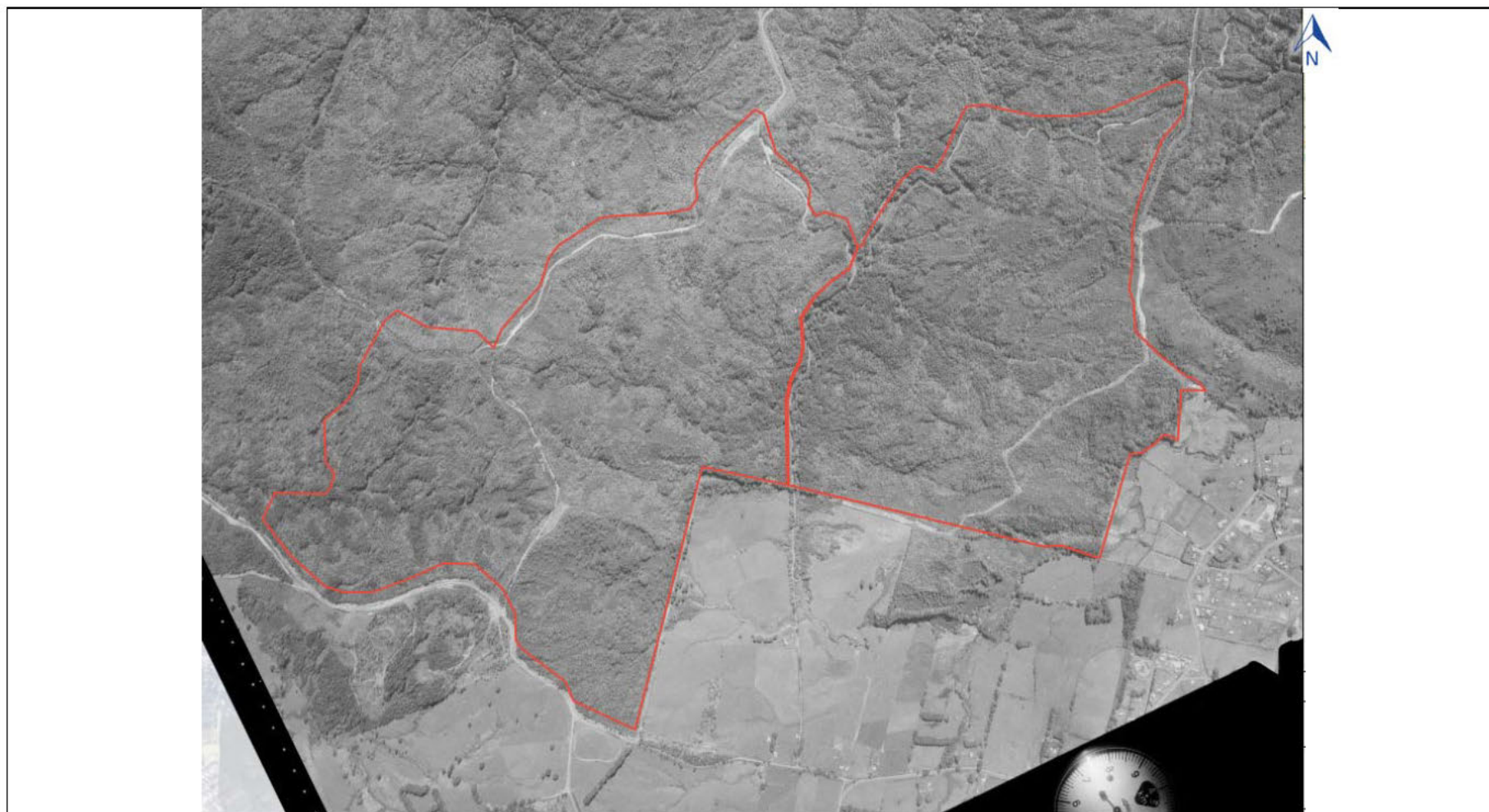
Title: Site Location		
Client: Avant Property Development Ltd		Size: A3
Project: Rangitopuni Riverhead	Drawn: OM	Figure No.: 1
Date: 22-04-2024	Checked: EM	
Proj No: 20190.000.001_E	Scale: 1:12500	Version: v1

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



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).

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



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

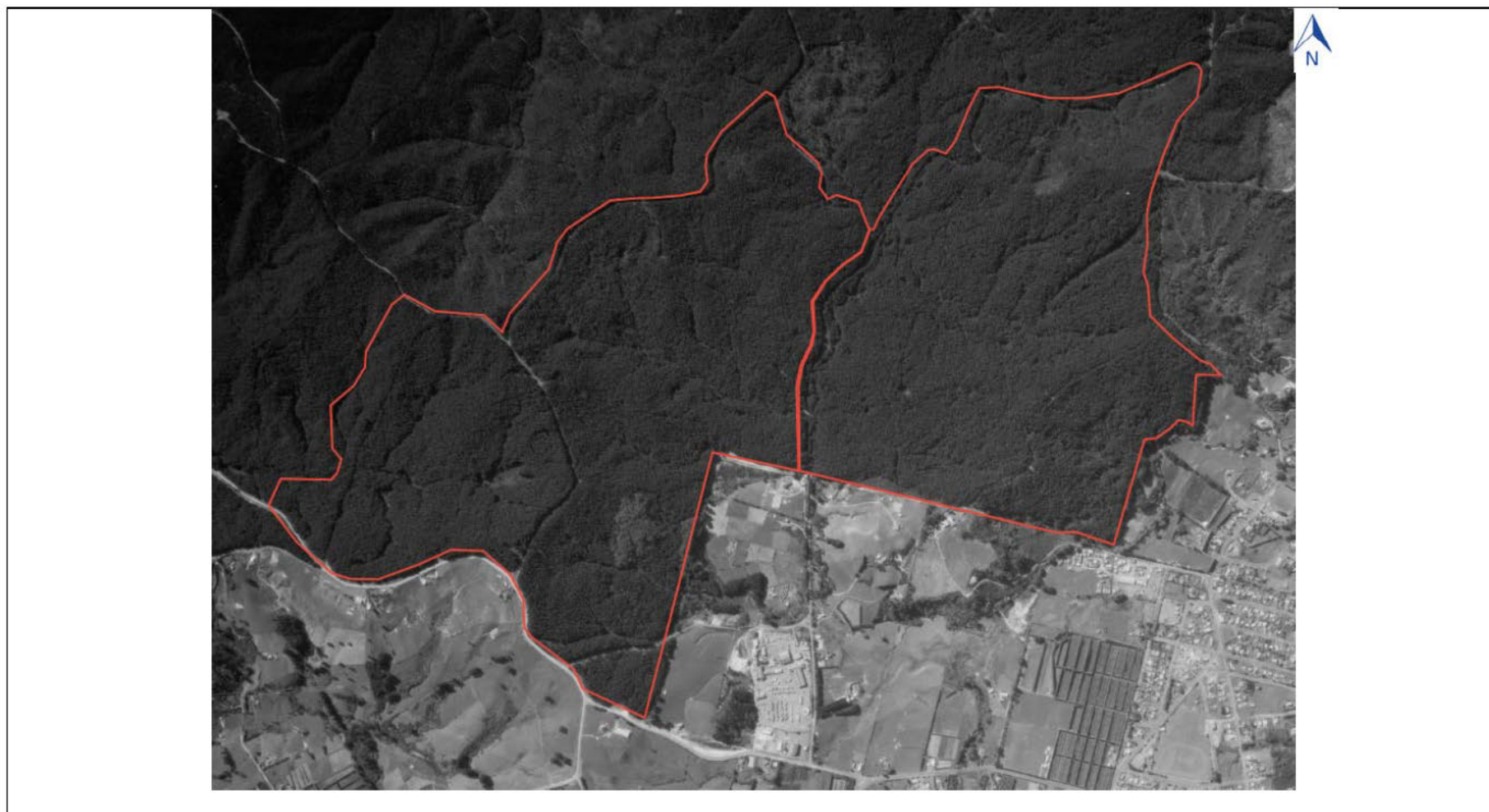
Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



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.

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



1988 (Retrolens NZ). Site boundary indicative only.

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

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



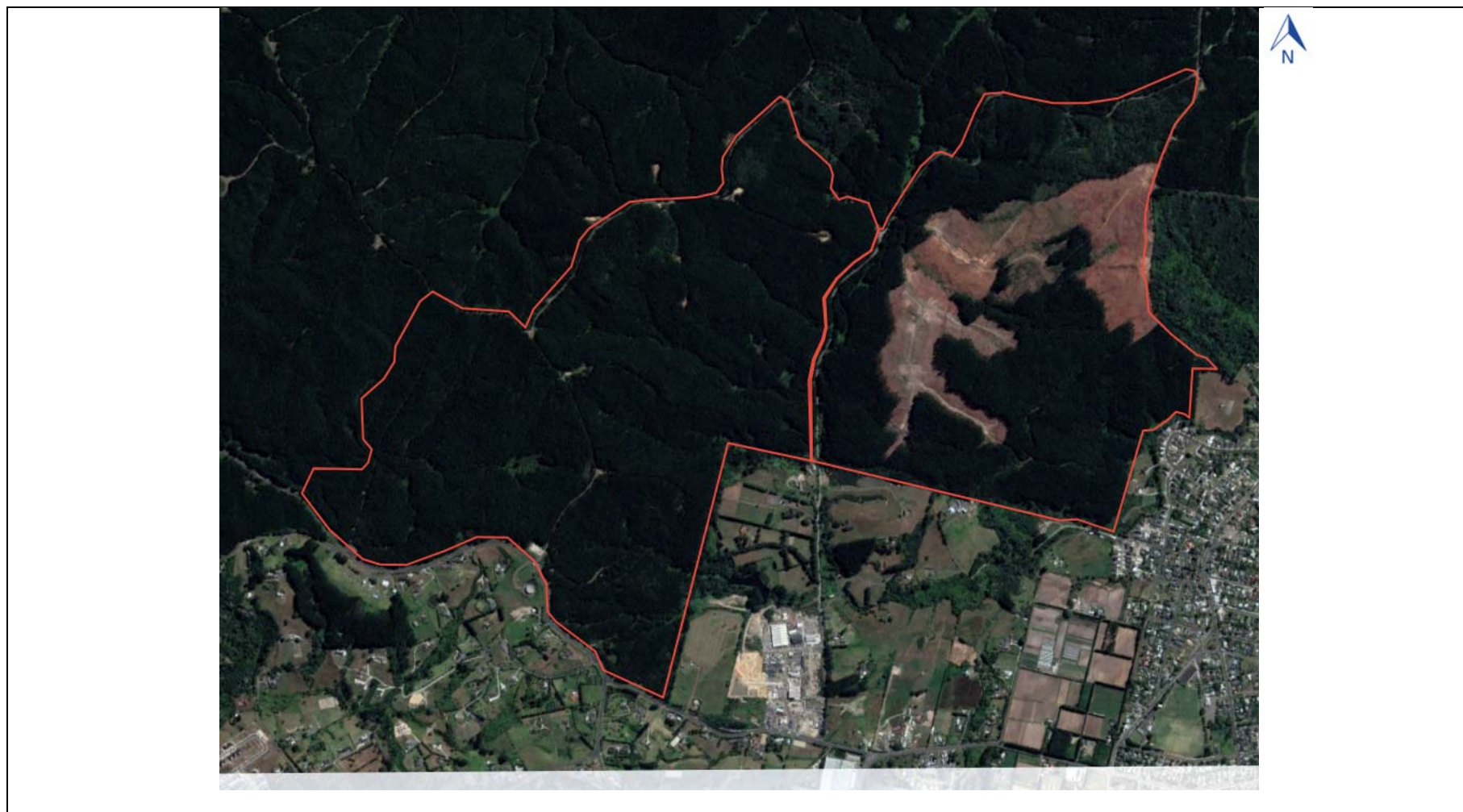
1996 (Auckland Council Geomaps). Site boundary as indicated by Auckland Council.
No significant changes to the site or surrounding area since 1978.

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



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

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



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.

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



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 Street
AUCKLAND 1140

Attention: [REDACTED]

Dear [REDACTED]

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:

<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

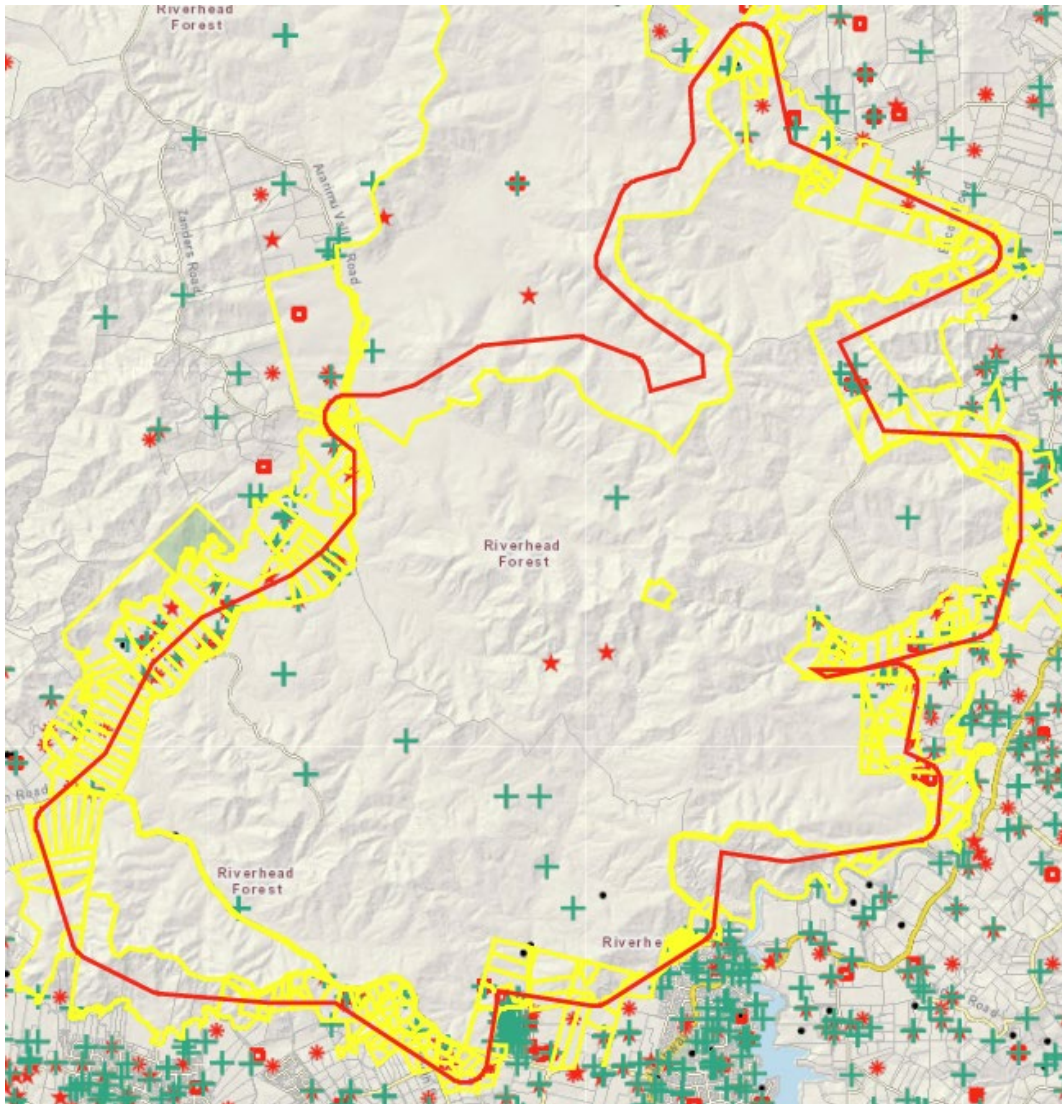


Figure 1: Selected Consents, Incidents and HAIL activities within approximately 200m of the subject site

Legend:

All Consents 	Closed Landfill (Auckland Council owned) 
All Applications 	Closed Landfill (Privately owned) 
All Permitted Activities 	All Incidents 
All Bores 	HAIL activities 

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	22 Duke Street Riverhead 0820	Landfill sites	Landfill sites	17/07/2008
11032729	Crown Land , Crown Land Xxxx	Landfill sites	Landfill sites	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
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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
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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

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_DESCRIPTOR	DATE_CREATED	PROPERTY_ADDRESS	LOC_TYP
50999	3-13-2734		Contaminated Site Discharge	Contaminated 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 Samarunga	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 Samarunga	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				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.	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	NZTMXCOORD	NZTMYCOORD	LOCATION	SUBURB	CATCHMENTCODE	POLLUTANTTYPE	RECIEVED	REPORT	INCIDENT TYPE	ACTIONEDBY	IMPACT	VOLUME	PROBLEM FOUND	CULPRIT RACED	RECORDDATE	INVESTIGATIONDATE
14/0616	1740619	5931463	1740619	5931463	93 Forestry Rd	Riverhead	510	Not Found / Nothing	Hotline	Water pollution	Not Found	[REDACTED]	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	[REDACTED]	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	[REDACTED]	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	Rural Pollution	[REDACTED]			YES	YES	14/02/2013	14/02/2013