

2 May 2024

Rangitōopuni Developments Limited Partnership
C/- Avant Property Development Ltd
Level 2
7 Falcon Street
Parnell
Auckland 1052

Attn: Shane Kelly

Dear Shane

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
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 Carter Holt Harvey, 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 (09) 972 2205 if you require any further information.

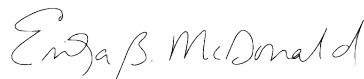
Report prepared by



Oliver McMillan, CEnvP

Senior Environmental Engineer

Report reviewed by



Erika McDonald, CMEngNZ

Principal Environmental Engineer

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.

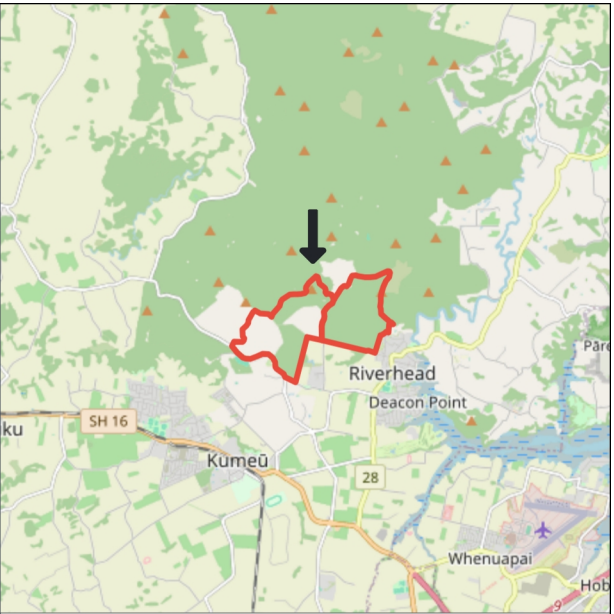
McClure, 2024. 'Auckland places - Kaipara Harbour and kauri towns', Te Ara - the Encyclopedia of New Zealand, <http://www.TeAra.govt.nz/en/auckland-places/page-6> (accessed 22 April 2024).

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).

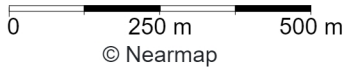
MfE, 2023. Ministry for the Environment. (2023). Hazardous Activities and Industries List guidance: Identifying HAIL Land.

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**

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

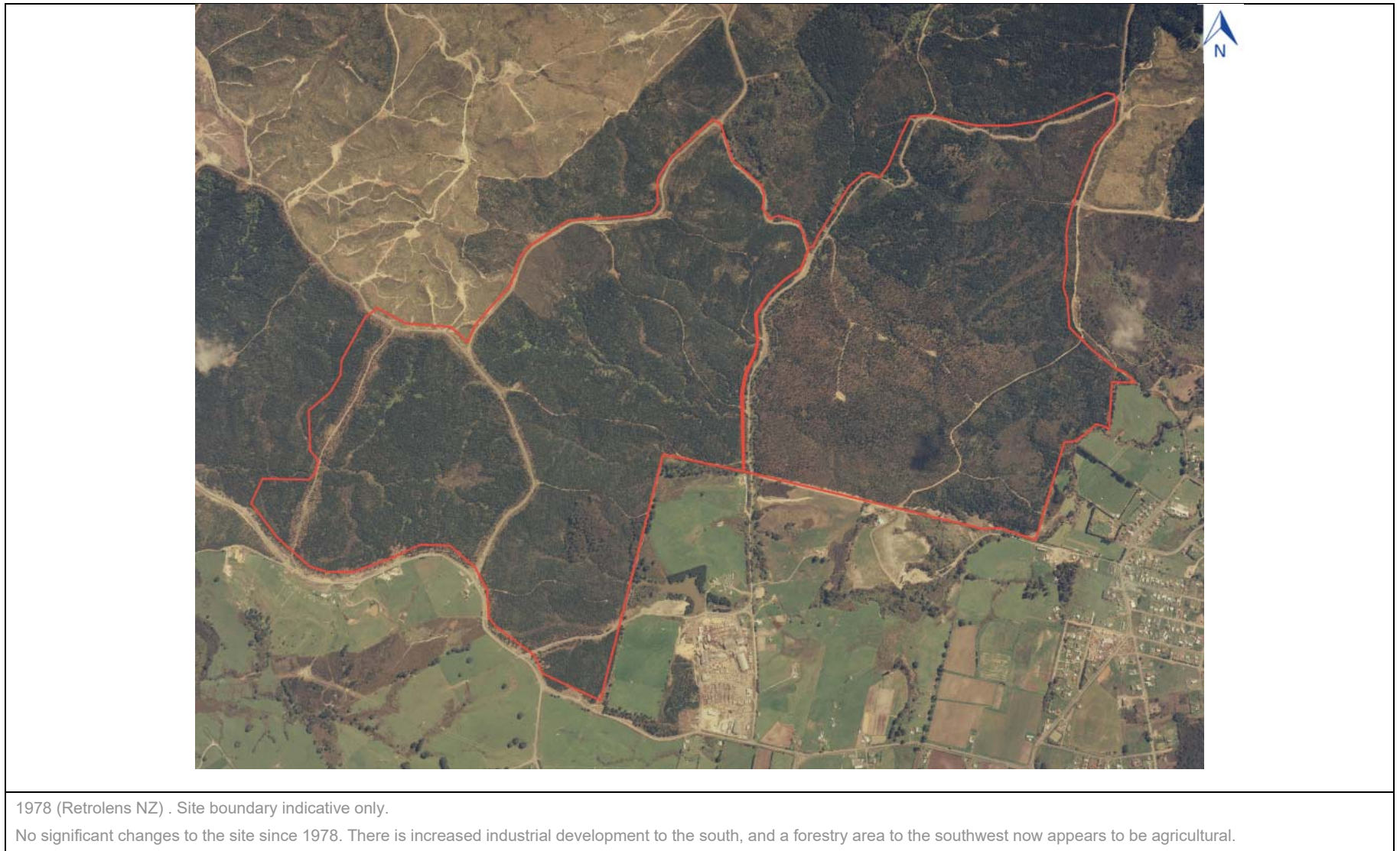


Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland

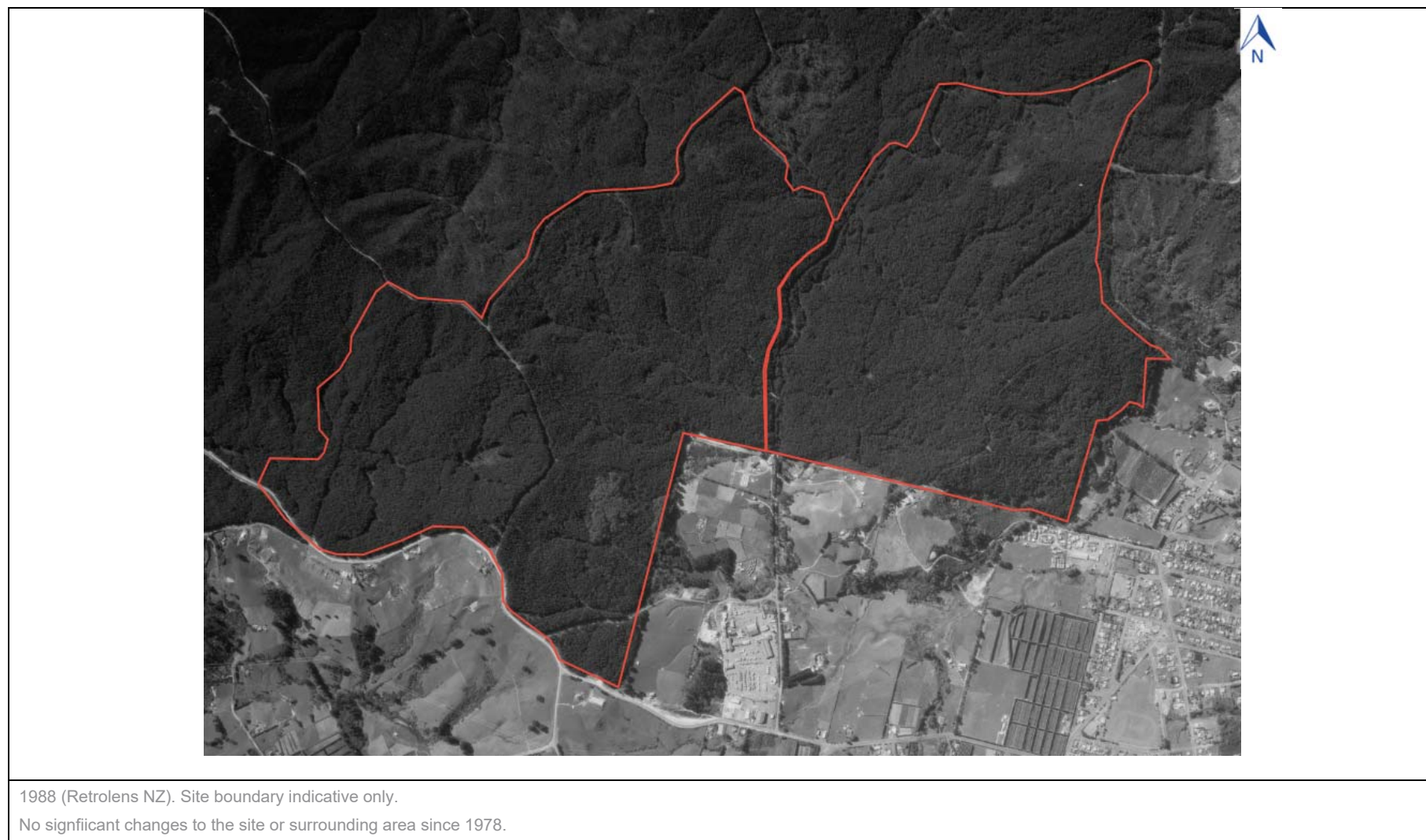


1960 (Retrolens NZ). Site boundary indicative only.
No significant changes to the site since 1940.

Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland

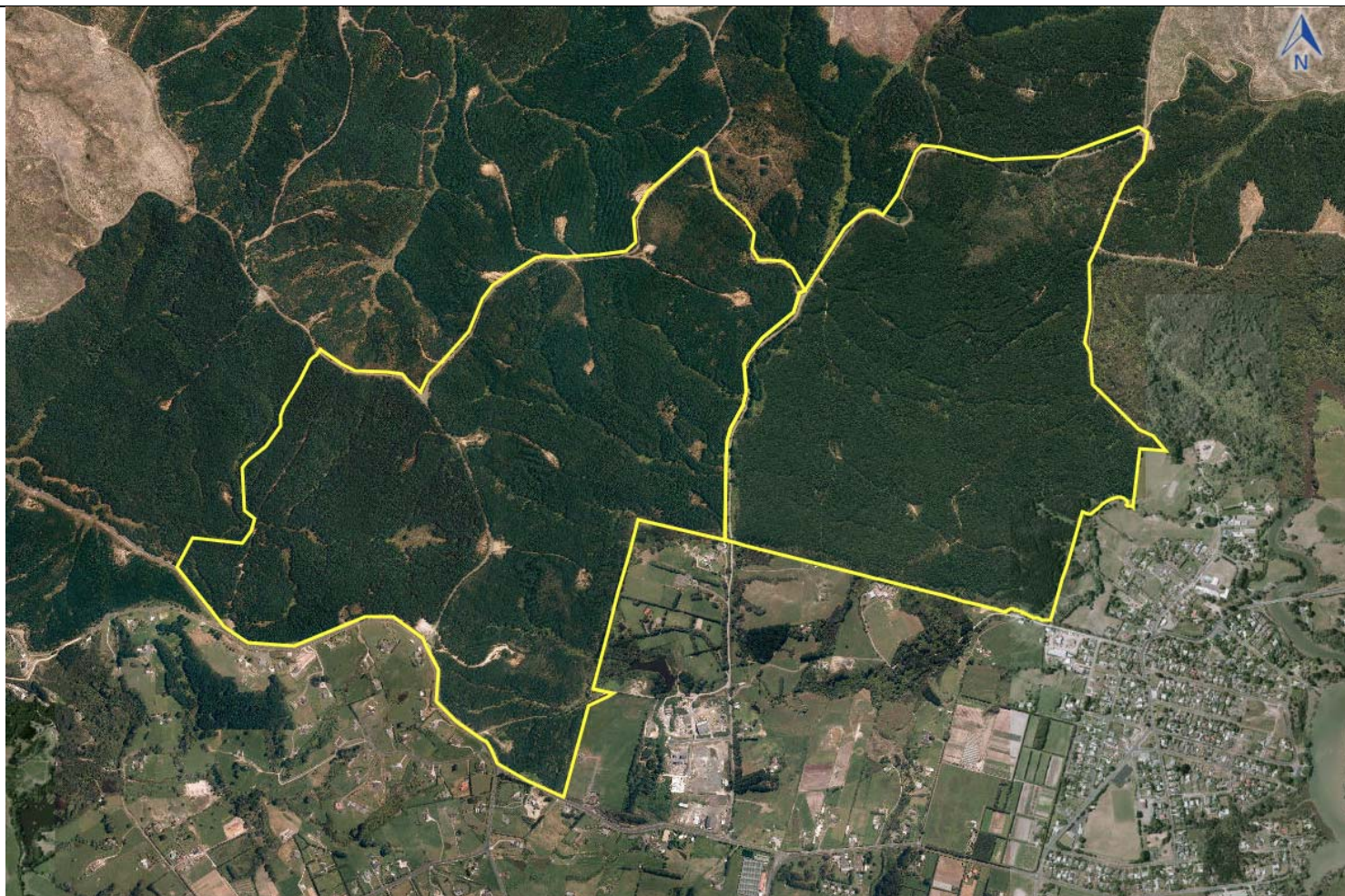


Historical Aerial Photographs – Rangitōpuni Riverhead, Riverhead, Auckland



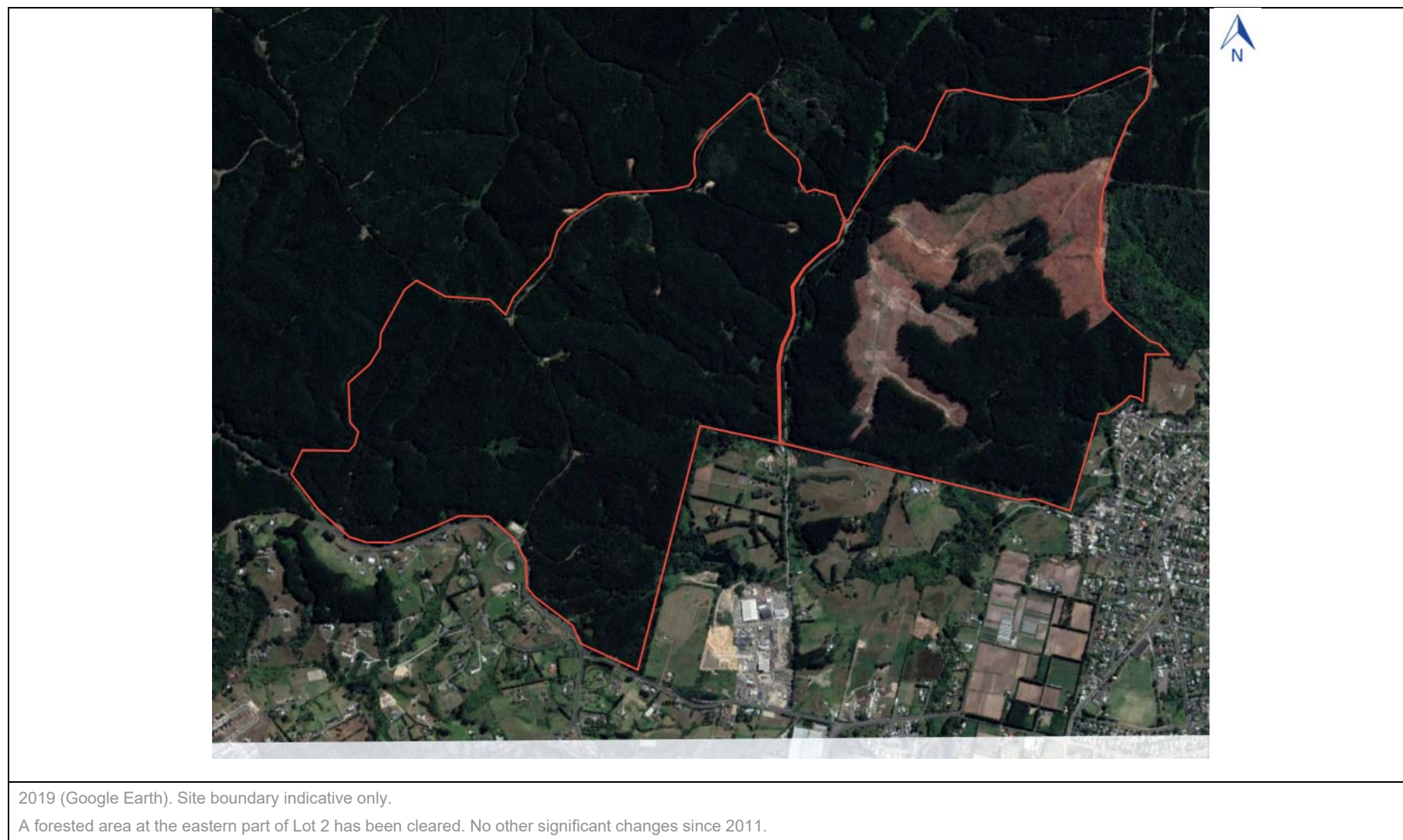
1996 (Auckland Council Geomaps). Site boundary as indicated by Auckland Council.
No significant changes to the site or surrounding area since 1978.

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



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

Tattico Limited
PO Box 91562, Victoria Street
AUCKLAND 1140

Attention: Tom Morgan

Dear Tom

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 (HAII) 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

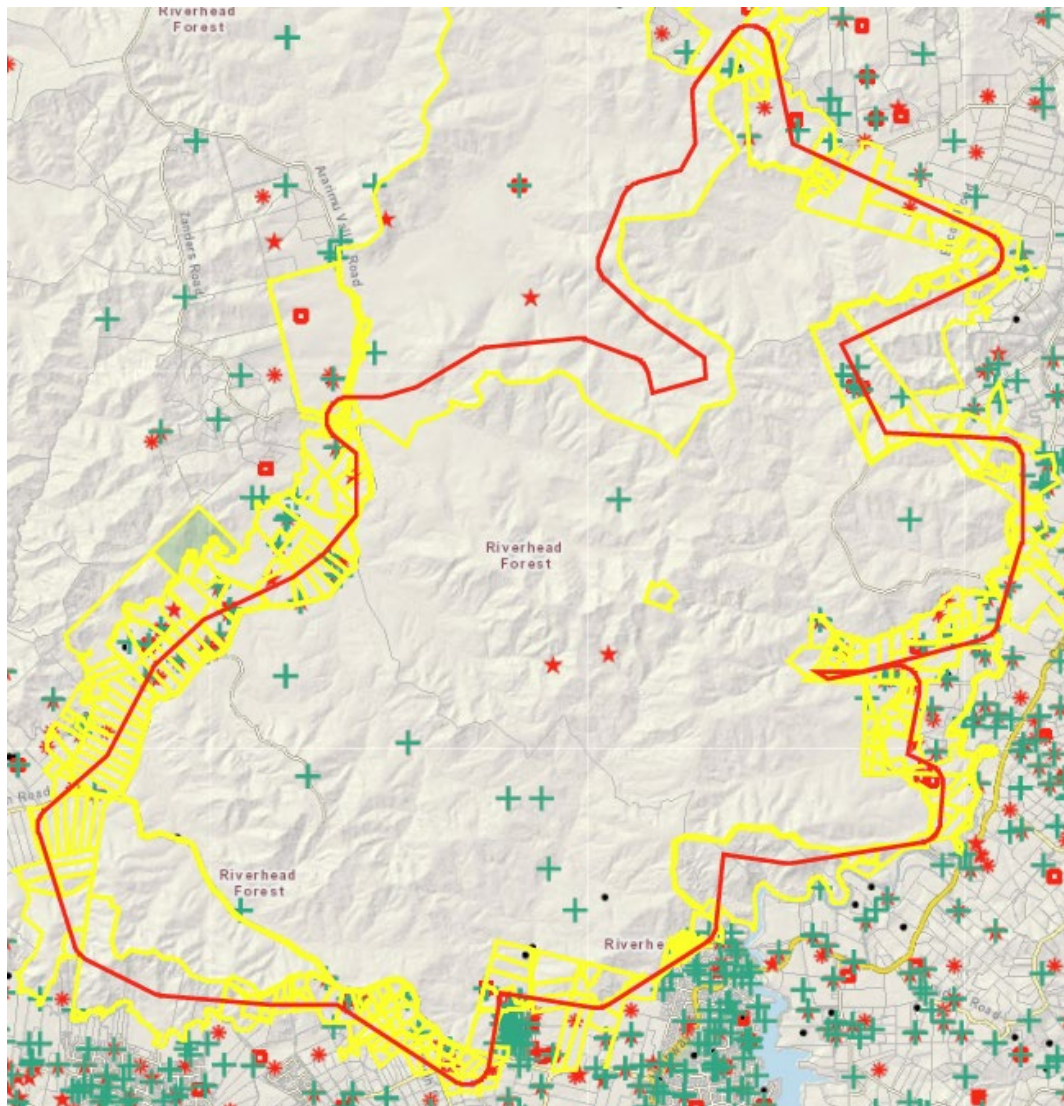


Figure 1: Selected Consents, Incidents and HAIL activities within approximately 200m of the subject site

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  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
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
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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

CONSENT NUMBER	FILE REF REFERENCE	CONSENT HOLDERS	BORE_ID	GRANTED DATE	REVIEW DATE	EXPIRY DATE	CONSENT_STATUS	PROCESSING_OFFICER	PURPOSE	WORKS_DESCRIPTION	EASTING	NORTHING	ACTIVITY_STATUS	LAND_USE E	LAND_USE E_UPDATE_ID	LAND_USE E_NOTE	BORE_USE	ACTIVITY_DESCRIPTION	SITE_NAME	SITE_DESCRIPTION	MAIN_AQUIFER	AQUIFER	SUB_AQUIFER1	SUB_AQUIFER2	ENVIRONMENTAL PORTING_AREA	ALW_PLAN_ZONES	TIA	HYDROLOGICAL NUMBER	DATE LISTED	TOTAL DEPTH	GROUND_ELEVATION	STATIC_WATER LEVEL	STATIC_WATER DEPTH	BORE_LOCATION	AQUIFER TEST	DIAMETER R_FROM	DIAMETER R_TO	DIAMETER R	CASING FROM	CASING TO	CASING TYPE	CASING DIAMETER	SCREEN FROM	SCREEN TO	SCREEN TYPE	CONTRACTOR	CONSULTANT	DATE CHECKED	PROPERTY_ADDRESS	LOC_TYPE						
0			2190								1739800	5936600	Drilled								Waitemata	Kumeu Waitemata	Kumeu Zone 2			Kumeu Waitemata		19890920	222							0	222	100	0	69		100						20170601		Point						
0			2221								1740800	5934000	Drilled					Drilled pre-1987 for KEE JEL JOE by PATTERSON R & CO.			Waitemata	Lower Kaipara Waitemata						19570101	57							0	57	100	0	18.3		100						20170601		Point						
0			2236								1741300	5934100	Drilled					Drilled pre-1987 for FARMAS S&L by *** DRILLER UNKNOWN ***			Waitemata	Lower Kaipara Waitemata						20000101	198							0	198	100	0			100						20170601		Point						
0			2270								1743200	5934400	Drilled					Drilled pre-1987 for FOTHERINGHAM DA by *** DRILLER UNKNOWN ***										20000101											0				100						20170601		Point					
0			2271								1743780	5933870	Drilled					Drilled pre-1987 for GOOD by *** DRILLER UNKNOWN. Location from pump test report.			Waitemata	North Shore Waitemata	Rangitopuni Waitemata						198.1						Y		0	198.1	100	0			100						20170601		Point					
0			2274								1743860	5933910	Drilled					Drilled pre-1987 for SHAW BH & EM by PATTERSON R & CO. Location from pump test report.			Waitemata	North Shore Waitemata	Rangitopuni Waitemata			North - West			19800101	201.2						Y	Y	0	201.2	100	0	73.2		100						20170601		Point				
16006	C512-12-1844	MR MR TANDY BS TANDY	5675	19970311		19980311	Expired	_Gillian Crowcroft	Authorise 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	Drilled				Industrial			784 OLD NORTH RD, WAIMAUKU	Waitemata	Lower Kaipara Waitemata				Rodney	19970404	130						24	19970404	Y	Y	0	130	100	0	50	PVC/ABS	100						20170601		Point				
22205	C512-12-2320	JOHN MARTIN	204617	19990114		20000115	Expired	_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	Proposed				Domestic/Stock			375 Blackbridge Rd, Dairy Flat						Rodney																						20170601	457 Blackbridge Road Pine Valley, Rodney	Point						
22263	C512-12-2324	Thomas William Wellington	20473	19990128		19990129	Expired	_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	Drilled				Irrigation	Approx 25 cm/d for tunnel house irrigation		12 Croft Lane, Riverhead	Waitemata	North Shore Waitemata	Rangitopuni Waitemata			Rodney	19990219	252.8						5.5	19990224	Y	Y	0	252.8	100	0	91.28	Steel	100							20170601	12 Croft Lane Riverhead Rodney	Point			
0			20860								1738790	5914970	Drilled					Pre permit bore. Location from pump test report.		Baldwin	Waitemata	Lower Kaipara Waitemata				Rodney																								20170601		Point				
0			21091								1737700	5934120	Drilled					Pre permit bore. Location from file Ag 4951.		Ararimu Valley Rd	Waitemata	Lower Kaipara Waitemata				Rodney	19840807	119.1		45				9.2		Y	0	119.1	100	0	51.8		100								20170601		Point			
0			21120								1743390	5934140	Drilled					Pre permit bore. Location from file Ag 6094.		Mill Flat Rd	Waitemata	North Shore Waitemata	Rangitopuni Waitemata				Rodney	19850916	213.91							Y	0	213	100	0	79		100								20170601		Point			
44592	C512-12-5601	Rachel & Stewart Hansen	28864	20150610		20160608	Expired	Therese Malcom	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.		R & S Hansen	189 Ararimu Valley Rd, Waimauku	Waitemata	Lower Kaipara Waitemata				Rodney	20160611	150		43				2.2	20161022	Y	Y	0	150	104	0	90	PVC/ABS	104							20170601	0 Ararimu Valley Road Ararimu Valley Rodney	Point		
0			29992								1737690	5934190	Drilled					Drilled pre-1987 by unknown driller. Source location from permit no. 45366 (file 4951). Diameter 100mm.		R and D Russell	169 Ararimu Valley Road, Waimauku Lot 8 DP 64342	Waitemata	Lower Kaipara Waitemata																												20170601		Point			
53280	C512-12-5691		29955	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 130m. 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 Woolgram					Rodney																									20170601	113 Ararimu Valley Road Ararimu Valley Rodney	Point				
53010	C512-12-5253		29125	20131125			Assessment Completed	Reginald Samuel	The construction of one replacement bore for stock and domestic purposes.	The construction of one 104mm diameter bore to a maximum depth of 130m. Installation of PN 9 casing material to an approximate depth of 72m.	1737730	5934120	Drilled				Domestic/Stock	The construction of one replacement bore		Arvan & Anna Harding	167 Ararimu Valley Rd	Waitemata	Lower Kaipara Waitemata				Rodney	20131201	144								0	144	100	0	83		100								20170601	167 Ararimu Valley Road Ararimu Valley Rodney	Point			
25076	C512-12-2708	Westbrook Properties Limited	21353	20010323		20020325	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			Westbrook Properties Limited	215 Ararimu Valley Road, Rodney	Waitemata	Lower Kaipara Waitemata			North - West	Rodney	20010401	130						6.7	20010401	Y	Y	0	130	100	0	68	PVC/ABS	100							20170601	215 Ararimu Valley Road Ararimu Valley Rodney	Point		
24350	C512-12-2612	GADFLY ENTERPRISES LTD	21265	20000904		20010904	Expired	_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	Drilled				Domestic/Stock	Authorise the construction of a bore for the extraction of groundwater for stock and domestic supply.		Gadfly Enterprises Ltd	77 Croft Lane, Coatsville	Waitemata	North Shore Waitemata	Rangitopuni Waitemata			Rodney	20000906	154						15	20000906		Y	0	154	100	0	62	PVC/ABS	100							20170601	77 Croft Lane Riverhead Rodney	Point		
10586	14/12/74 & C R HOWARD	414	19890824			19900825	Expired	Andrew Miller	Authorise the construction of a bore for the extraction of groundwater for irrigation requirements.	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 approx. 220m depth, installation and full cement grouting of P.V.C. casing to approx. 60m.			OLD NORTH RD, KUMEU,	Waitemata	Kumeu Waitemata	Kumeu Zone 2			Kumeu Waitemata	Rodney	19890825	222							Y		0	222	100	0	69	PVC/ABS	100								20170601		Point	
43040	C512-12-5362	Alan Garnet & Jillian Carol McMillan	29287	20140523		20150601	Expired	Reginald Samuel	To authorise the construction of one bore for domestic supply.		1738842	5934803	Drilled				Domestic/Stock	To authorise the construction of one bore for domestic supply.		305 Ararimu Valley Road						Rodney																								20170601	305 Ararimu Valley Road Ararimu Valley Rodney	Point				
42342	C512-12-5244	Pierre Fontenay & Hong Wai	29115	20131103		20141201	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.		69 Croft Lane Riverhead	Waitemata	North Shore Waitemata	Rangitopuni Waitemata				Rodney	20131208	228		27				9.33		Y						0	90		104					Woldriller & Chris Brown Limited	20170601	69 Croft Lane Riverhead Rodney	Point		
36092	C512-12-4272	Nelson Trustees Limited	23198	20080801		20090731	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.		Nelson Trustees Limited		Waitemata	Lower Kaipara Waitemata				Rodney	20080824	133.5								Y	0	133.5	104	0	64	PVC/ABS	104									20170601	271 Ararimu Valley Road Ararimu Valley Rodney	Point	
36303	C512-12-4288	Rodney District Council	23121	20081003		20091005	Expired	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 grouting to full length.	1738710	5911190	Proposed				Observation / Piezo	To authorise the construction of one bore for water supply and investigation.		Cnr Pinetone Road & Old North Road	Road reserve on the corner of Pinetone Road and Old North Road.					Rodney																								Beca Limited	20170601	Pinetone Road Riverhead Rodney	Point			
33983	C512-12-3957	Tu Jeyi	22844	20070329		20080331	Expired	Reginald Samuel	To authorise the construction of a bore for domestic and stock supply.	A construction of a 100mm diameter bore to an 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 for domestic and stock supply.			Waitemata	Lower Kaipara Waitemata					Rodney	20070426	190							36.3	20070426		Y	0	190	104	0	80	PVC/ABS	104								20170601	453 Old North Road Huppar Rodney	Point
13104	C512-12-1486	POLLING & PARTNERSHIP	4689	19941222		19951222	Expired	_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	Drilled				Domestic	Approx 5 cm/d		139 Ararimu Valley Rd, Waimauku	Waitemata	Lower Kaipara Waitemata				Rodney	19950121	112							16	19950121	Y	Y	0	112	100	0	59	PVC/ABS	100								20170601		Point	

CONSENT NUMBER	FILE REFERENCE	ACTIVITY	CONSENT HOLDER	CONSENT STATUS	GRANTED DATE	REVIEW DATE	EXPIRY DATE	PROCESSING OFFICER	PURPOSE	WORKS DESCRIPTION	EASTING	NORTHING	ACTIVITY ID	ACTIVITY STATUS	ACTIVITY DESCRIPTION	SITE NAME	SITE DESCRIPTION	DATE CREATED	PROPERTY ADDRESS	LOC_TYP	MONITORING OFFICER
38779	10293	Quarry	Lawson & Zambucka Limited	Issued	2010615	20141031	20261231	Samantha Langdon	To continue quarrying and associated earthworks at Coatesville Quarry.		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 area	2/06/2017	132 Robinson Road Coatesville Rodney	Point	Kerry Flynn
43768	25141	Landfill Discharge	J.W. Neill Contractors Limited	Expired	20150331		20170331	Ted Temple	To discharge contaminants to land or water from a cleanfill 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	Point	Nigel Donovan
42342	CS12-12-5244	Bore	Pierre Fontenay Ekong WU	Expired	20131203		20141201	Reginald Samuel	To authorise the construction of one bore domestic supply.		1744389	5934261	29115	Drilled	To authorise the construction of one bore for domestic supply.	69 Croft Lane Riverhead		2/06/2017	69 Croft Lane Riverhead Rodney	Point	
42711	24396	Landfill Discharge	J.W. Neill Contractors Limited	Issued	20140509		20190509	Nigel Donovan	To discharge contaminants to land or water from a cleanfill receiving more than 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	Discharge of contaminants to land and water from the importation of cleanfill.	468 Blackbridge Road		2/06/2017	468 Blackbridge Road Pine Valley Rodney	Point	Nigel Donovan
38055	21897	Wastewater Discharge	Wautili Developments Limited	Surrendered	20100927	20110531	20241231	_David Parkinson	To discharge of up to 15 cubic metres 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	Point	_Tony Bullard
42724	14125	Wastewater Discharge	West Brook Winery (NZ) Limited	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 dimensions and plan	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	Point	Meinir Wynne
42638	14125	Wastewater Discharge	West Brook Winery (NZ) Limited	Issued	20140303	20140330	20290531	_Tony Bullard	To discharge domestic type wastewater to land from an existing restaurant/tasting rooms that are on site.	Works10.The key components of the wastewater treatment systems shall be 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 commercial wastewater onsite from a restaurant (4,000 litres per day).	West Brook Winery		2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney	Point	Meinir Wynne
42658	24362	Discharge Other	Watercare Services Limited	Issued	20140402	20150630	20490402	_Justine Quinn	To discharge of unplanned overflow 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	Point	Patricia Burford
16006	CS12-12-1944	Bore	MR MIR TANDY BS TANDY	Expired	19970311		19980311	_Gillian Crowcroft	Authorise 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		Point	
39018	12532	Take	Lawson & Zambucka Limited	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 Waiemata 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	Point	Kerry Flynn
43040	CS12-12-5362	Bore	Allan Garnet & Jillian Carol McMillan	Expired	20140523		20150601	Reginald Samuel	To authorise the construction of one bore for domestic supply.		1738842	5934803	29287	Drilled	To authorise the construction of one bore for domestic supply.	305 Ararimu Valley Road		2/06/2017	305 Ararimu Valley Road Ararimu Valley Rodney	Point	Reginald Samuel
11387	F938714	Vegetation Removal	Carter Molt Harvey Forest Limited	Expired	19930219		19950530	_Brian Handiside	EXOTIC TREE HARVEST		1740700	5932800	482			RIVERHEAD FOREST - CPT 4		2/06/2017		Point	
11926	AG936094	Take	P J Hedley & E M Hedley	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	Point	_Naveen Kumar
44592	CS12-12-5601	Bore	Rachel & Stewart Hansen	Expired	20150610		20160608	Therese Malcon	To authorise the construction of one bore for domestic & stock purposes.		1737610	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	Point	
33983	CS12-12-3957	Bore	Yu Jiayi	Expired	20070329		20080331	Reginald Samuel	To authorise the construction of a bore for domestic and stock supply.	A construction of a 100mm diameter bore to an approximate depth of 180m. 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	Point	_Naveen Kumar
316	AG660319	Take	DA FORTHERINGHAM	Cancelled	19691013				To take water from aborefor -Pastoral		1743200	5934400	1661		To take water from aborefor -Pastoral			2/06/2017	Mill Flat Rd Riverhead	Point	
317	AR660320	Take	DA FORTHERINGHAM	Cancelled	19700331				To take water from alifer/lakefor -Pastoral		1743200	5934400	1662		To take water from alifer/lakefor -Pastoral			2/06/2017	No Address	Point	
1001	AR661027	Take	RIVERHEAD STATE FOREST	Cancelled	19690210				To take up to 10 cmprd from a River/lake		1741000	5931800	1566		To take up to 10 cmprd from a River/lake			2/06/2017	DEACON RD Rodney District	Point	
2739	AR792166	Take	ENTERPRISE FARMS LTD	Replaced	19800820		19861231		To take up to 1200 cmprd from a River/lake		1744800	5934400	1712		To take up to 1200 cmprd from a River/lake			2/06/2017	STATE HIGHWAY 18 RIVERHEAD Rodney District	Point	
2778	AG792211	Take	MR DI OLINLAN MRS LA OLINLAN	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	Point	
4246	AG833871	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	Point	
2897	AG802339	Take	B H SHAW & E M SHAW	Replaced	19800723		19911231		3 ha orchard		1743860	5933910	1685	Occurring	3 ha orchard	25-31 Rangitopuni Road, Riverhead		2/06/2017	31 Rangitopuni Road Riverhead Rodney	Point	
3827	AK833425	Take	HJ FORD	Cancelled	19841109		19911231		Take water from a storage pond on an unnamed tributary of the Rangitopuni River	Proposed dam	1743620	5933700	1672	NeverOccurred	Take water from a storage pond on an unnamed tributary of the Rangitopuni River			2/06/2017	169 Mill Flat Road Riverhead Rodney	Point	
4028	AG833632	Take	P J Hedley & E M Hedley	Cancelled	19840810		19881231		Orchard		1743390	5934140	1660	Occurring	Orchard		225 MILL FLAT ROAD, COATESVILLE	2/06/2017	225 Mill Flat Road Riverhead Rodney	Point	
5170	AG854951	Take	N S Babinington & C J M Davies	Replaced	19860131		19931231		3 ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per day and 4500 cmpry 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 cmpry of ground water from a bore domestic and stock purposes.			2/06/2017	167 Ararimu Valley Road Ararimu Valley Rodney	Point	
4412	AR844042	Take	C BURKNETT DM BURKETT	Cancelled	19841109		19881231		To take from a River/lake up to 15 cmprd for - Industrial Use		1742200	5931600	1623		To take from a River/lake up to 15 cmprd for - Industrial Use			2/06/2017	COBBLERS LANE RIVERHEAD Rodney District	Point	
5660	AG865465	Take	C R HOWARD & C J HOWARD	Replaced	19871009		19881231		To take from a Bore up to 5 cmprd for - Hothouse/Shadehouse/Nursery		1739880	5930550	1505		To take from a Bore up to 5 cmprd for - Hothouse/Shadehouse/Nursery			2/06/2017	338 Old North Road Riverhead Rodney	Point	
5663	CG865468	Wastewater Discharge	Rodney District Council	Expired (Not Replaced)	19870226		19961231		TO DISCHARGE TREATED SEWAGE EFFLUENT FROM A PROPOSED TREATMENT PLANT IN THE RIVERHEAD STATE FOREST BY MEANS OF SPRAY IRRIGATION ONTO FORESTED LAND WITHIN A 600 METRE RADIUS OF APPROXIMATE MAP REFERENCE NZMS 810 509945.		1740400	5932800	2185			RIVERHEAD SEWAGE TREATMENT PLANT, RIVERHEAD STATE FOREST		2/06/2017	RIVERHEAD STATE FOREST RIVERHEAD Rodney District	Point	_Amy Lomax
6561	AG866391	Take	C R HOWARD & C J HOWARD	Expired	19890905		19940531		0.25 hectares of Glasshouse crops.		1739880	5930550	1505		To take from a Bore up to 5 cmprd for - Hothouse/Shadehouse/Nursery			2/06/2017	338 Old North Road Riverhead Rodney	Point	
6278	AG886094	Take	P J Hedley & E M Hedley	Replaced	19890215		19931231		TO TAKE GROUNDWATER FROM A BORE FOR TRICKLE IRRIGATION-OF AN ORCHARD AND NURSERY----	INSTALLATION OF A WATER METER----	1743390	5934140	1660	Occurring	Orchard		225 MILL FLAT ROAD, COATESVILLE	2/06/2017	225 Mill Flat Road Riverhead Rodney	Point	
6707	AG886554	Take	Brent Leonard Baldwin & Teren Penelope Baldwin	Replaced	19890909		19981231		TO TAKE GROUNDWATER FROM A BORE FOR SPRAY IRRIGATION OF A 4 HECTARE PERSIMMON AND NASHI PEAR ORCHARD	A 100MM DIAMETER BORE APPROXIMATELY 20 METRES WEST OF 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	Point	_Michelle Ip
8637	CG928435	Wastewater Discharge	Forestry Road Properties Limited	Replaced	19940119	20051230	20061231	_Tony Thompson	Discharge up to 12.5 cubic metres per day of treated domestic wastewater to ground soakage by trickle irrigation in the bush adjacent to the Carter (Kumeu) Ltd sawmill at Forestry Road, Riverhead.	Gravel Filter, pump station, back-up pump, irrigation delivery pipe, irrigation dripper lines.	1740200	5931100	2144	Occurring	D/c up to 14 cmprd 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	Point	_Gleinn Starr
8064	AG928425	Take	Philip John Shaw & Marit Theodora Shaw	Surrendered	19902014	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	Point	_Nicola Allcock
8223	AG927986	Take	Jennifer Anne Stevens	Surrendered	19920214	20001001	20060531	_Alan Goddard	To take groundwater for irrigation of a 2.8 hectare orchard.	A 100 MM DIAMETER BORE	1743780	5933870	1682	Occurring	2.8 ha orchard		Rangitopuni Road	2/06/2017	15 Rangitopuni Road Riverhead Rodney	Point	_Nicola Allcock
9611	AG928664	Take	Thomas William Wellington	Superseded	19930205	19980201	20060531	_Helen Moodie	TO TAKE GROUNDWATER FOR IRRIGATION OF UP TO 0.5 HA NURSERY AND TUNNEL HOUSE	100 MM 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	Point	
8884	KR928431	Dam	James O Nilsson	Replaced	19920907	20061231	20110531		TO DAM AN UNNAMED TRIBUTARY OF THE RANGITOPUNI STREAM	TWO 1.5 M HIGH EARTH DAMS, LOCATED APPROXIMATELY 300M WEST OF SUNNYSIDE ROAD COATESVILLE	1745020	5935700	641	Existing	AESTHETIC/WILDLIFE REFUGE	TWIN LAKES GARDEN	83 SUNNYSIDE RD, COATESVILLE	2/06/2017	83 Sunnyside Road Coatesville Rodney	Point	_Naveen Kumar
10586	1417/34 8	Bore	C R HOWARD & C J HOWARD	Expired	19890824		19900825	Andrew Millar	Authorise the construction of a bore for the extraction of groundwater for irrigation requirements.	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	414	Drilled	Construction of a 100mm dia. bore to approx. 220m depth, installation and full cement grouting of P.V.C. casing to approx. 60m.	OLD NORTH RD, KUMEU.,		2/06/2017		Point	
34264	8435	Wastewater Discharge	The Mill Industrial Park Ltd	Issued	20071008	20081231	20181231	Andrew Noble	To authorise the discharge of treated wastewater from a 2-2 lot industrial subdivision (maximum occupancy of 275 people) and from a caFD/lunch bar to ground by dripper irrigation in accordance with Section 15(1)(b) of the Resource Management Act 1991.	Wastewater Production and Treatment:Aerated wastewater treatment system (secondary level treatment) comprising of components of the following minimum specifications:2x(1x) 4.5m3 dual chambered grease trap (caFD)/lunch bar only(1x)1x(1x) 23m3 septic tank w/	1740200	5931100	2144	Occurring	D/c up to 14 cmprd 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	Point	Meinir Wynne
36092	CS12-12-4272	Bore	Nelson Trustees Limited	Expired	20080801		20090731	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	23198	Drilled	To authorise the construction of one bore for domestic and stock supply.	Nelson Trustees Limited		2/06/2017	271 Ararimu Valley Road Ararimu Valley Rodney	Point	
36192	6554	Take	The Baker Family Trust (Anaru Paul Baker & Alicia Monica Baker)	Issued	20080915	20130531	20230531	Amey Samarantunga	To authorise the taking and use of groundwater from the Waiemata Aquifer for use in irrigation and water bottling in accordance with Section 14 of the Resource Management Act 1991.		1738794	5934976	20765	Proposed	To take water upto 100m3 per day and 13000m3 per year for the irrigation of 4ha of orchard and market garden crops.	Purespring Enterprises		2/06/2017	327 Ararimu Valley Road Ararimu Valley Rodney	Point	Kerry Flynn
36303	CS12-12-4288	Bore	Rodney District Council	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 grouting to full length.	1738770	5931190	23215	Proposed	To authorise the construction of one bore for water supply and investigation.	Cnr Pinetone Road & Old North Road	Road reserve on the corner of Pinetone Road and Old North Road.	2/06/2017	Pinetone Road Riverhead Rodney	Point	
33197	8435	Wastewater Discharge	The Mill Industrial Park Ltd	Replaced	20070531	20080531	20101231	_Deinaz Ghadiali	Discharge up to 12.5 cubic metres per day of treated domestic wastewater to ground soakage by trickle irrigation in the bush adjacent to the carter (Kumeu) Ltd sawmill at Forestry Road, Riverhead	Works:The key system components are at least the following dimensions and standards:Wastewater Production and Treatment:1x(1 primary treatment septic tank (6m3 capacity)1x(1 primary treatment septic tank (6m3 capacity)1x(1 secondary treatment septic	1740200	5931100	2144	Occurring	D/c up to 14 cmprd 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	Point	Andrew Noble
12126	AG934951	Take	Arran Connel Harding & Anna Louise Harding	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	3 ha citrus orchardnew application 21 02 2008application to take 75 cubic metres per day and 4500 cmpry of ground water from a bore domestic and stock purposes.			2/06/2017	167 Ararimu Valley Road Ararimu Valley Rodney	Point	_Naveen Kumar
13757	SC951029 3	Quarry	Lawson & Zambucka Limited	Superseded	19880712		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 area	2/06/2017	132 Robinson Road Coatesville Rodney	Point	
13504	CS12-12-1486	Bore	POLLINGTONS PARTNERSHIP	Expired	19941222		19951222	_Marian Jenner	Authorise 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.	1737460	5934040	4689	Drilled	Approx 5 cmprd		139 Ararimu Valley Rd, Waimauku	2/06/2017		Point	
21326	12532	Take	Lawson & Zambucka Limited	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.		1743560	5936470	20432	Occurring	take groundwater at Coatesville Quarry	Coatsville Quarry	132 Robinson Rd, Coatsville	2/06/2017	132 Robinson Road Coatesville Rodney	Point	_Naveen Kumar
22652	14125	Discharge Other	West Brook Winery (NZ) Limited	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 Act 1	For Winery: Coarse Screen Baskets, 1 X 5m3 & 2 X 10m3 Septic (Settlement) Tanks Each Including Zoetler Commercial Filters, 1 X 5m3 Pump Chambers & 2 X 10m3 Emergency Storage Chambers including High Water Level Alarms And Pumps, Disc Filter And Mobile Sp	1737900	5934500	20073	Occurring	Processing water and sewage	West Brook Winery		2/06/2017	215 Ararimu Valley Road Ararimu Valley Rodney	Point	_Tony Bullard

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_DESCRIPTION	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 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	EJ & M LOCKWOOD	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	JS & J MATHESON	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	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	Anahita Djamali	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	Paul Clement	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	Tim Butler	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	Monica Xu			YES	YES	14/02/2013	14/02/2013