

Attachment 5 Archaeology Reports

Summary of Archaeological Evidence – Hirakimata MWH000112

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Myfanwy Eaves	Author	05/05/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2

Definitions

ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage New Zealand Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite
Site ³	A place containing the remains of former human habitation; an excavation. ⁴


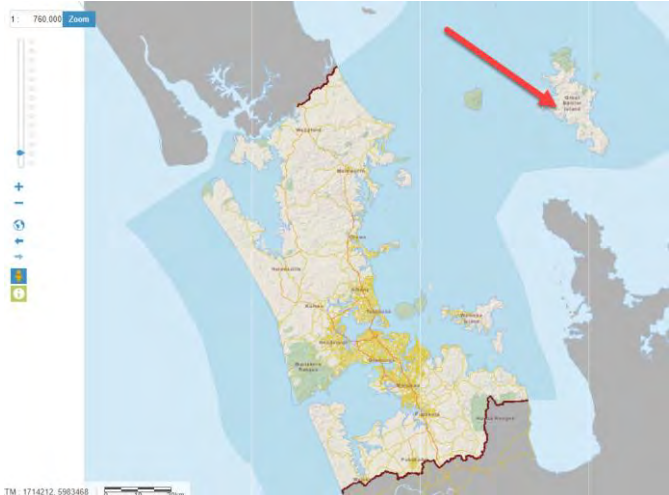
¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:

<https://www.heritage.org.nz/protecting-heritage/archaeology>

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

Name of Site	Hirakimata, Aotea Great Barrier
MWH number	MWH000112
Address	Part 660 Whangaparapara Road, Great Barrier 0991; 90 Kaiaraara Bay Road Great Barrier Island Auckland 0991; ALLOTS 187 225 164-6 170 220 221 PT 170 AOTEA PSH Aotea Road Great Barrier Island 0991. 1041 Aotea Road Great Barrier Island Auckland 0991 1040 Aotea Road Great Barrier Island Auckland 0991 Aotea Road Great Barrier Island Auckland 0991 984A Aotea Road Great Barrier Island Auckland 0991 Aotea Road Great Barrier Island Auckland 0991 984 Aotea Road Great Barrier Island Auckland 0991 Parish HARATAONGA Aotea Road Great Barrier Island Auckland 0991
Land ownership	Both public and private
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites - None 3. CHI map (AC GIS 14/06/21) 4. NZAA map (AC GIS 8/06/21)
1. Regional Location	

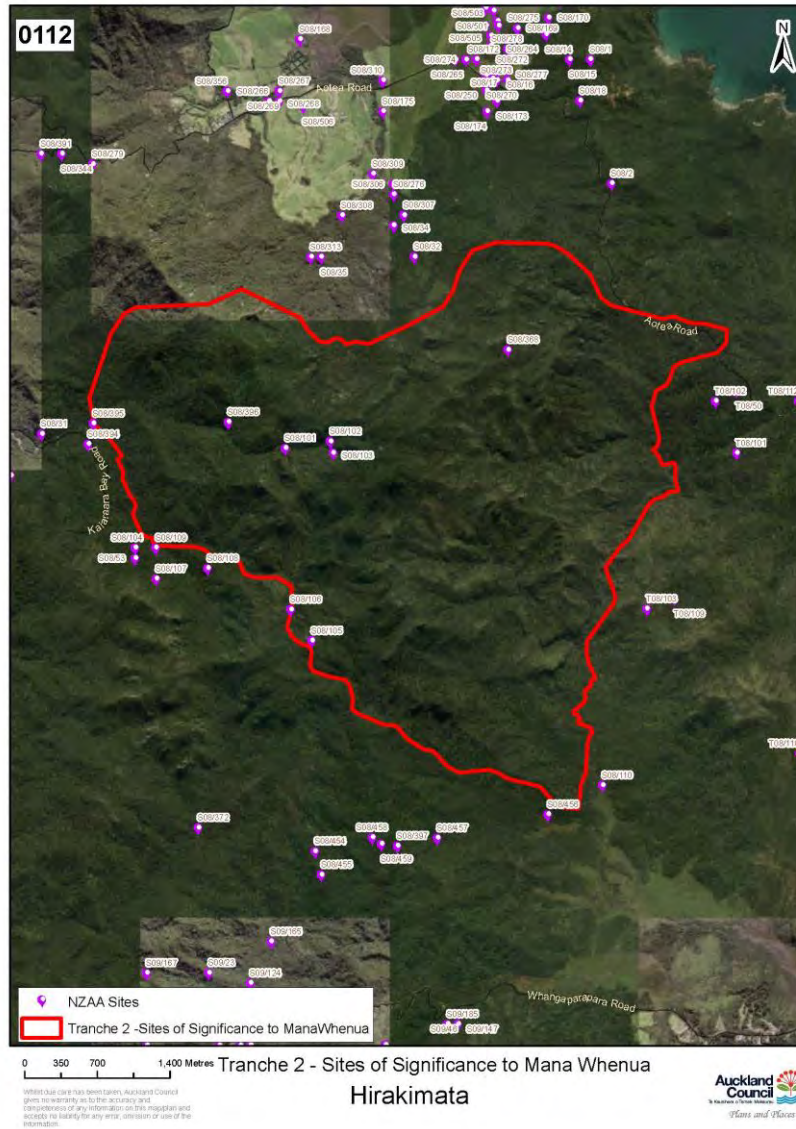
2 . Map of scheduled sites

None

3. CHI map separated into archaeological and built heritage (AC GIS 14/06/21)



4. NZAA map
(AC GIS
8/06/21)



Summary of the documentary record for archaeological evidence associated with nominated extent of place

Archaeological sites have been recorded in the nominated extent of place. The closest recorded sites to this nominated extent are of both Māori and European origin. Just outside the extent (west) is a burial site (Māori) but the majority of sites surround this nominated area are European forestry activities dating from the late nineteenth century until 1920s.

Tables

- Table 1: Documentary archaeological evidence of Maori origin**
- Table 2: Other historic heritage sites in the nominated area.**
- Table 3: Historic heritage sites adjacent to the nominated area.**

Table 1: Documentary archaeological evidence of Maori origin

CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
Nil	Nil	-	-	-	-

Table 2: Other historic heritage sites in the nominated area.

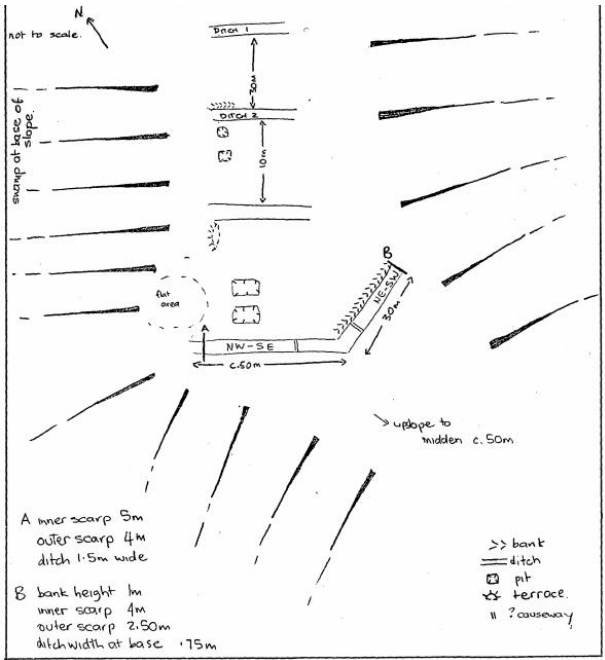
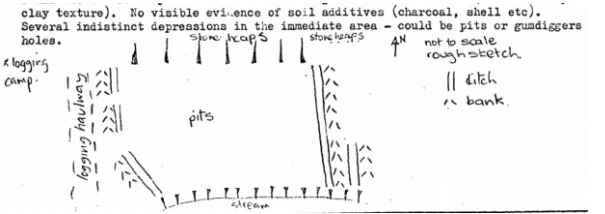
CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
12284	S08_396	-	-	Campsite	George Murray's camp 1926.	-
9515	S08_101	-	-	Timber milling	Driving dam built by George Murray in 1926 (Furey & Stuart 1980).	-
9516	S08_102	-	-	Timber milling	Kauri driving dam (Furey & Stuart 1980).	-
9517	S08_103	-	-	Timber milling	Kauri driving dam (Furey & Stuart 1980).	-
	S08_368	-	-	Timber milling	Log twinch frame (Sewell 1997)	-
9519	S08_105	-	-	Timber milling	Kauri driving dam (Furey & Stuart 1980).	-
9520	S08_106	-	-	Timber milling	Kauri driving dam (Furey & Stuart 1980).	-

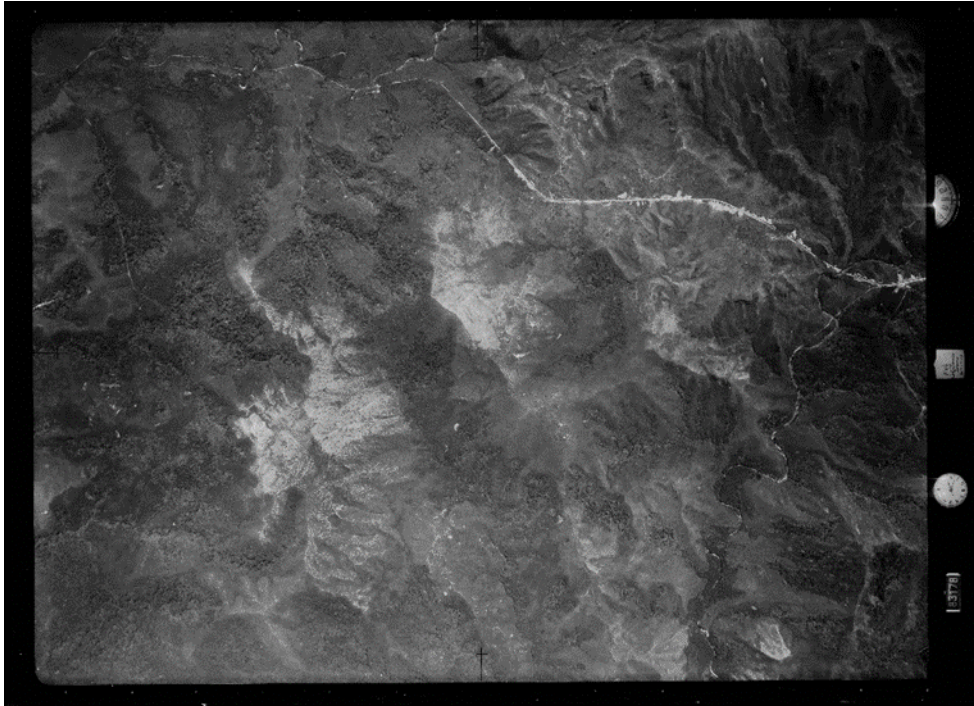
Table 3: Historic heritage sites adjacent to the nominated area

More Māori sites are recorded outside the nominated area, approx. 1-2km from the nominated area. The predominance of Māori sites occurs along the coast or waterways, as on the mainland.

CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
11518	S08_31	-	Burial	Burial site. Four individuals between two large boulders (Newman 1977).	-
7653	S08_53	-	Pit/terrace	A total of 10 pits, one group of 3, the other a group of 7. Not gumdigger holes as these pits are uniform and systematically arranged.	-
		-			-
12282	S08_394	-	Timber milling	Lovey Bowman camp (Sewell 1997).	-
12283	S08_395	-	Timber milling	Campsite (Sewell 1997).	-
9518	S08_104	-	Timber milling	Driving dam remains (Furey & Stuart 1980).	-
10140	S08_107	-	Historic domestic	Campsite. Stone fireplace, corrugated iron, small terraces with drains (Furey & Stuart 1980).	-
10141	S08_108	-	Historic domestic	Campsite with European debris (Furey & Stuart 1980).	-
12263	S08_372	-	Timber milling	Wairahi Dam No.13, marked on SO3789 (1885) (Sewell 1997).	-
16136	S08_454	-	Timber milling	Single men's camp along KTC tramline. (Dodd 2005).	-
16056	S08_455	-	Timber milling	Sterling's hut and hauler platform, Sterling's Hill incline (Dodd 2005).	-
15935	S0_458	-	Timber milling	Campsite, No.2. Trestle bridge remains, skid site, tramline (Dodd 2005).	-
16508	S08_459	-	Timber milling	Findspot 3'6" bogey wheels. On KTC tramway route (Dodd 2005).	-
12285	S08_397	-	Timber milling	Campsite, Jim Petrie. Also, hauler site and findspot for historic midden, chains, bricks etc. (Dodd 2005).	-
16507	S08_457	-	Timber milling	Campsite No.5. Hut floor, artefacts (historic), stone alignment, track platform (Dodd 2005).	-
16506	S08_456	-	Timber milling	Campsite, Mita Smith the blacksmith (Dodd 2005).	-

10143	S08_110	-	Timber milling	Campsite, possibly 1880s (Furey & Stuart 1980).	-
12371	T08_110	-	Timber milling	Dam (Sewell 1997)	-
12300	T08_103	-	Timber milling	Hauler hut / campsite, Perry's Hill	-
12370	T08_109	-	Gum digging	Dunbar Awana Flats gum diggers site	-
12298	T08_101	-	Timber milling	Campsite 1926-39 (Sewell 1997).	-
8855	T08_50	-	Timber milling	KTC tramline 1926-41 (Dodd 2005).	-
12299	T08_102	-	Timber milling	Palmer's timber logging camp (Dodd 2005)	-
12373	T08_112	-	Timber milling	European house site with debris (Sewell 1997).	-
9941	S08_92	-	Pit/terrace	Terrace and midden original located in 1980 by Bartlett & Bates (Dodd 2006).	-
				<p>Copy of sketch plan showing location of GPS and photo points</p>	
12261	S08_2	-	Midden	Thin layer approx. 2.5m long, reported in 1974 (Davis).	-
16705	S08_309	-	Pit/terrace	Several terraces and 15m of midden (Sewell 1991).	-
16702	S08_306	-	Pits	Two pits on a ridge. Old fig tree 20m distant, old homestead in area (Sewell 1991).	-
10894	S08_276	-	Gum digging	Campsite, Puttons. Also planted a fig tree (Sewell 1993).	-
16703	S08_307	-	Terraces	Three terraces on knoll on highest part of east ridge (Sewell 1991).	-

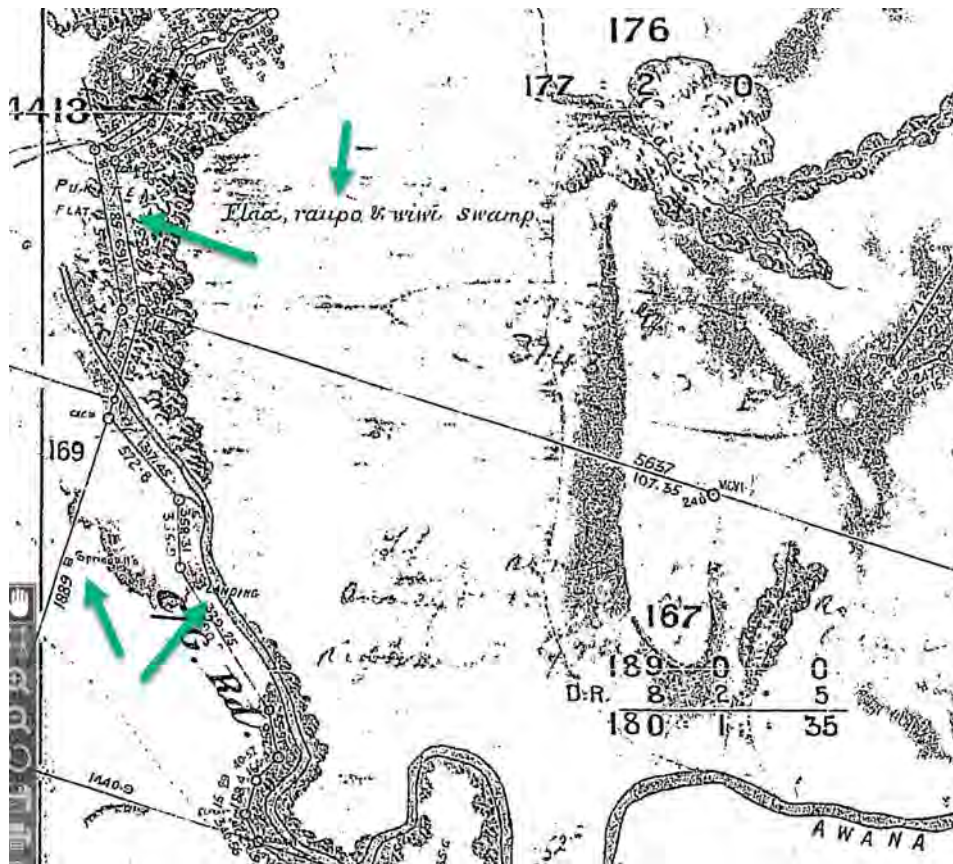
6965	S08_34	-	Pa	<p>Four transverse ditches across a narrow ridge recorded by Newman in 1977. Relocated by Furey in 1980.</p>  <p>A inner scarp 5m outer scarp 4m ditch 1.5m wide</p> <p>B bank height 1m inner scarp 4m outer scarp 2.50m ditch width at base 1.75m</p> <p>Legend: >> bank = ditch □ pit ☆ terrace ? causeway</p>
11519	S08_32	-	Burial	<p>Rock shelter with midden, burial cave down slope. First recorded by Newman 1977 then Furey & Stuart 1980.</p>
10902	S08_313	-	Timber milling	<p>Campsite, Collins in this area c.1900 but likely to link with S08_35. European debris visible (Sewell 1996).</p>
9127	S08_35	-	Pa	<p>Pits, ditch and natural scarp. Flat area has stone heaps, but further north are more stone heaps. Revisited by Sewell in 1996 reporting dense humic cover, first recorded by Furey & Stuart 1980.</p>  <p>clay texture). No visible evidence of soil additives (charcoal, shell etc). Several indistinct depressions in the immediate area - could be pits or gundiggers holes.</p> <p>Legend: ditch <math>\wedge</math> bank</p>
Reference documents	<p>Bulmer, S (1980), <i>The Archaeological Sites of Aotea Great Barrier and their Management</i>.</p> <p>Cruickshank, A, (2011), <i>Sources of Aotea (Great Barrier Island), and their Archaeological Significance</i>. University of Auckland Masters Thesis.</p> <p>Spring-Rice, W. (1962). Great Barrier Island. <i>New Zealand Archaeological Association Newsletter</i>, 92-97.</p>			

	<p>SRF: Sullivan, Hayward 1972; Davis / Davidson 1974; Newman 1977; BFW (Butts, Fyfe, Watson) 1978; Furey & Stuart 1980, Sewell 1991, 1993 & 1997, Dodd 2005, Prince 2020, 2021.</p> <p>LINZ cadastral mapping and https://linz.recollect.co.nz ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz</p>
Appendices	<p>Appendix 1 NZAA Forms Appendix 2 CHI Forms Appendix 3 Aerial images 3.1 1942 aerial image of forestry activity north of Hirakamata (Retrolens). 3.2 Cropped from SO3936 of 1886 (LINZ), Weetman survey of 1885 3.3 Cropped from SO3770 (LINZ) of January 1886. Appendix 4 SO28-J sheet 20 of approximately 1860-70.</p>
Appendix 1: NZAA ArchSite Site Record Forms	
Appendix 2: CHI Forms	
Appendix 3.1 1942 aerial image of forestry activity north of Hirakamata (Retrolens).	 <p>©Sourced from http://retrolens.nz and licensed by LINZ CC-BY 3.0</p>
Appendix 3.2 Cropped from SO3936 of 1886 (LINZ), this Weetman survey of 1885	

shows terraces (indicated), high points (Pinnacles) and waterways, all of which were necessary for access to timber etc. by Europeans.



Appendix 3.3
Cropped from SO3770 (LINZ) of January 1886. Swamp resources, track, settlement, and landing place are all indicated.



Appendix 4
SO28-J sheet
20 of
approximately
1865. It shows
the
importance
surveyors
placed on
Hirakimata,
the tallest and
most visible
point.
The SO28
series show
the allotments
on Aotea so
about 1866.



Summary of Archaeological Evidence – Wai o Ruarangi MWH000125

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Myfanwy Eaves	Author	3/6/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	03/03/23	3
Alex Jorgensen	Reviewer	01/08/23	3
Leo Gallagher	Updated	01/10/23	Final

Definitions

ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . It is a non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritages information. Sites formatted as CHI then number e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Sites formatted as map number / site number, e.g. R11/XXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), Heritage NZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice: <https://www.heritage.org.nz/protecting-heritage/archaeology>

Site³

A place containing the remains of former human habitation; an excavation.⁴

Name of Site	Wai o Ruarangi
MWH number	000125
Address	<p>11R Pavilion Drive Mangere Auckland 2022</p> <p>11R Pavilion Drive Mangere Auckland 2022</p> <p>64 Pavilion Drive Mangere Auckland 2022</p> <p>148 Pavilion Drive Mangere Auckland 2022</p> <p>85R Richard Pearse Drive Mangere Auckland 2022</p> <p>22 Waipouri Road Mangere Auckland 2022</p> <p>1/117 Montgomerie Road Mangere Auckland 2022</p> <p>11R Pavilion Drive Mangere Auckland 2022</p> <p>5/113 Pavilion Drive Mangere Auckland 2022</p> <p>11R Pavilion Drive Mangere Auckland 2022</p> <p>28B Ruaiti Road Mangere Auckland 2022</p> <p>142 Pavilion Drive Mangere Auckland 2022</p> <p>94 Montgomerie Road Mangere Auckland 2022</p> <p>8 Penihana Place Mangere Auckland 2022</p> <p>80R Montgomerie Road Mangere Auckland 2022</p> <p>508 Oruarangi Road Mangere Auckland 2022</p> <p>7 Penihana Place MANGERE 2022</p> <p>500 Island Road MANGERE BRIDGE 2022</p> <p>506 Oruarangi Road Mangere Auckland 2022</p> <p>110 Montgomerie Road MANGERE 2022</p> <p>11R Pavilion Drive Mangere Auckland 2022</p> <p>Pavilion Drive Mangere 2022</p> <p>36 Pavilion Drive Mangere Auckland 2022</p> <p>13 Waipouri Road Mangere Auckland 2022</p> <p>500 Oruarangi Road Mangere Auckland 2022</p> <p>11R Pavilion Drive Mangere Auckland 2022</p> <p>50 Pavilion Drive Mangere Auckland 2022</p> <p>20 Waipouri Road Mangere Auckland 2022</p> <p>28A Ruaiti Road Mangere Auckland 2022</p> <p>52 Pavilion Drive Mangere Auckland 2022</p> <p>1/113 Pavilion Drive Mangere Auckland 2022</p> <p>28 Ruaiti Road Mangere Auckland 2022</p> <p>9 Waipouri Road Mangere Auckland 2022</p> <p>4/117 Montgomerie Road Mangere Auckland 2022</p> <p>11R Pavilion Drive Mangere Auckland 2022</p> <p>145 Ihumatao Road Mangere Auckland 2022</p> <p>Penihana Place Mangere 2022</p> <p>56 Ihumatao Quarry Road Mangere Auckland 2022</p> <p>167 George Bolt Memorial Drive Mangere Auckland 2022</p> <p>Pavilion Drive Mangere 2022</p> <p>506A Oruarangi Road Mangere Auckland 2022</p> <p>4/113 Pavilion Drive Mangere Auckland 2022</p> <p>14 Pavilion Drive Mangere Auckland 2022</p> <p>498R Oruarangi Road Mangere Auckland 2022</p>

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

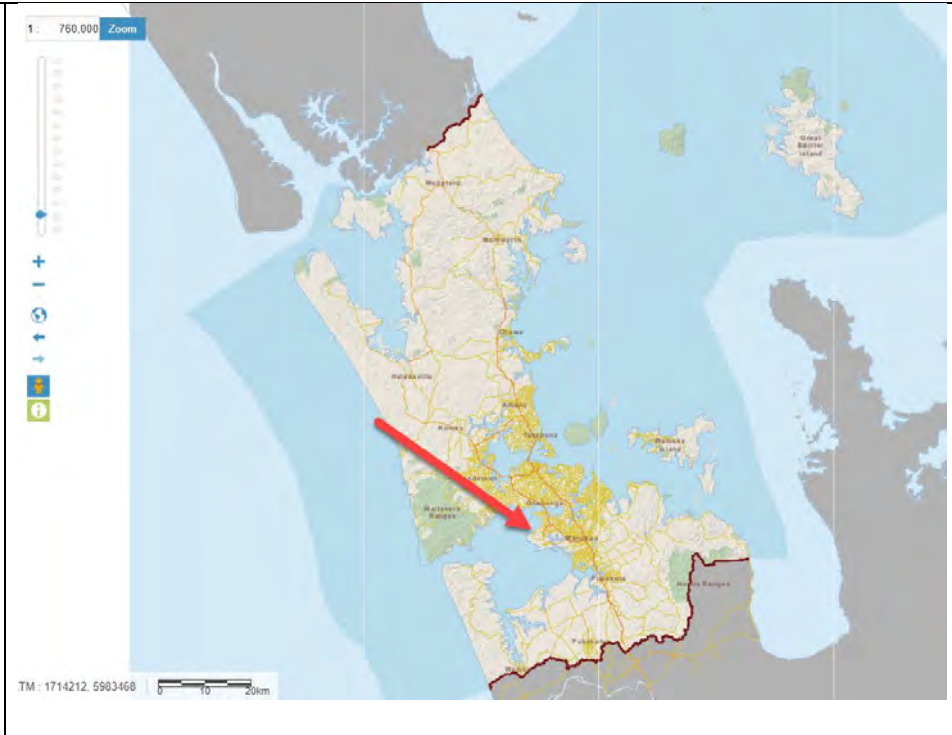
	85R Richard Pearse Drive Mangere Auckland 2022 125 Pavilion Drive Mangere Auckland 2022 25 Ruaiti Road Mangere Auckland 2022 123 Ihumatao Road Mangere Auckland 2022 506C Oruarangi Road Mangere Auckland 2022 11 Pavilion Drive Mangere Auckland 2022 500 Island Road Mangere Bridge Auckland 2022 2/117 Montgomerie Road Mangere Auckland 2022 107 Montgomerie Road Mangere Auckland 2022 11R Pavilion Drive Mangere Auckland 2022 490 Oruarangi Road Mangere Auckland 2022 104 Montgomerie Road Mangere Auckland 2022 7 Pavilion Drive Mangere Auckland 2022 490R Oruarangi Road Mangere Auckland 2022 11R Pavilion Drive Mangere Auckland 2022 153 Ihumatao Road Mangere 2022 113 Pavilion Drive Mangere Auckland 2022 502 Oruarangi Road Mangere Auckland 2022 562 Oruarangi Road Mangere Auckland 2022 117 Montgomerie Road Mangere Auckland 2022 32 Pavilion Drive Mangere Auckland 2022 22B Ruaiti Road Mangere Auckland 2022 27 Ruaiti Road Mangere Auckland 2022 470 Oruarangi Road Mangere Auckland 2022 2/113 Pavilion Drive Mangere Auckland 2022 56 Pavilion Drive Mangere Auckland 2022 3/117 Montgomerie Road Mangere Auckland 2022 506B Oruarangi Road Mangere Auckland 2022 504 Oruarangi Road Mangere 2022 28 Pavilion Drive Mangere Auckland 2022 3/113 Pavilion Drive Mangere Auckland 2022 45 Te Tiki Road Mangere Auckland 2022 504 Oruarangi Road Mangere 2022 500 Island Road Mangere Bridge Auckland 2022 11 Waipouri Road Mangere Auckland 2022 530 Oruarangi Road Mangere Auckland 2022 90 Pavilion Drive Mangere Auckland 2022 3/28 Ruaiti Road Mangere Auckland 2022 60 Pavilion Drive Mangere Auckland 2022 26 Ruaiti Road Mangere Auckland 2022 10 Penihana Place MANGERE 2022 1/504 Oruarangi Road Mangere 2022 546 Oruarangi Road Mangere Auckland 2022 11R Pavilion Drive Mangere Auckland 2022 22 Ruaiti Road Mangere Auckland 2022 11R Pavilion Drive Mangere Auckland 2022
Land ownership	Both public and private

**MW map showing
nominated area
(s32 CVA)**

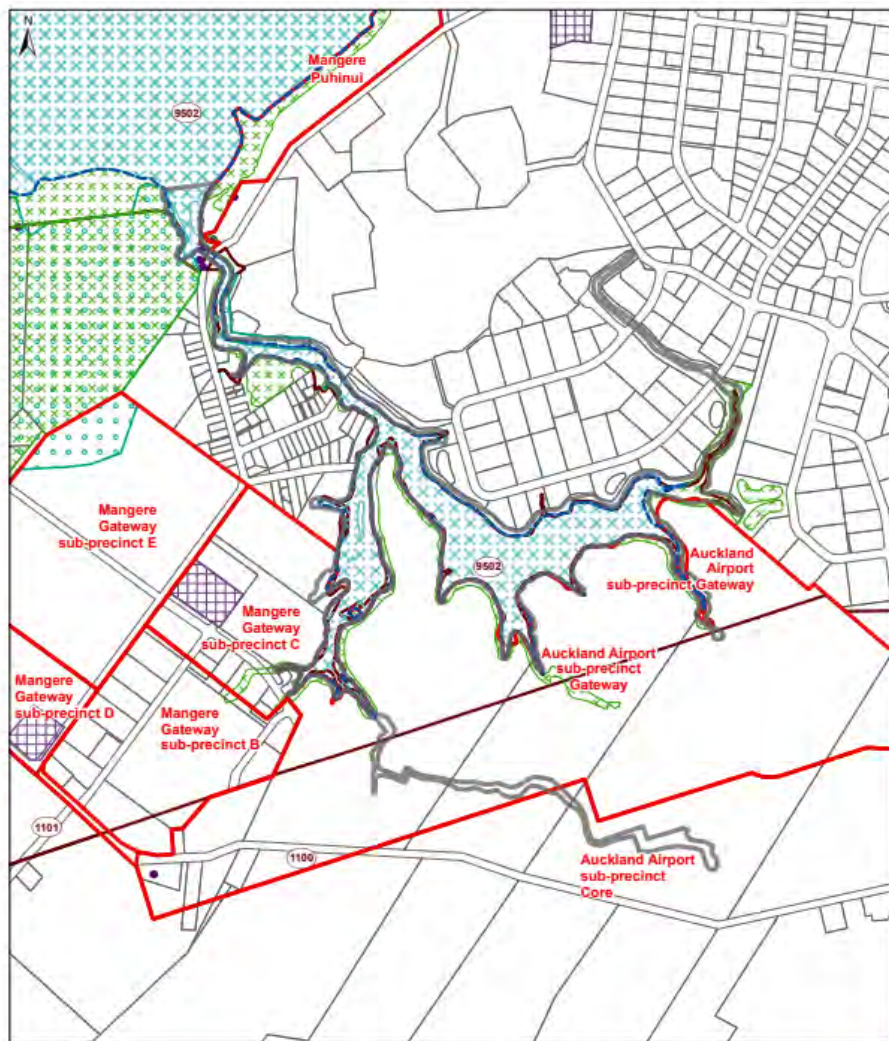


	<p>Tranche 2 - Sites of Significance to Mana Whenua Site Name - Te Wai o Ruarangi / Oruarangi Awa and Waitomokia Creek Site ID - 000125</p> <p>Auckland Council <i>mana and whānau</i></p> <p>Tranche 2 - nominated sites extent</p>
<p>Maps</p>	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites (none) 3. CHI map 4. NZAA map

1. Regional location



2. Map of scheduled sites

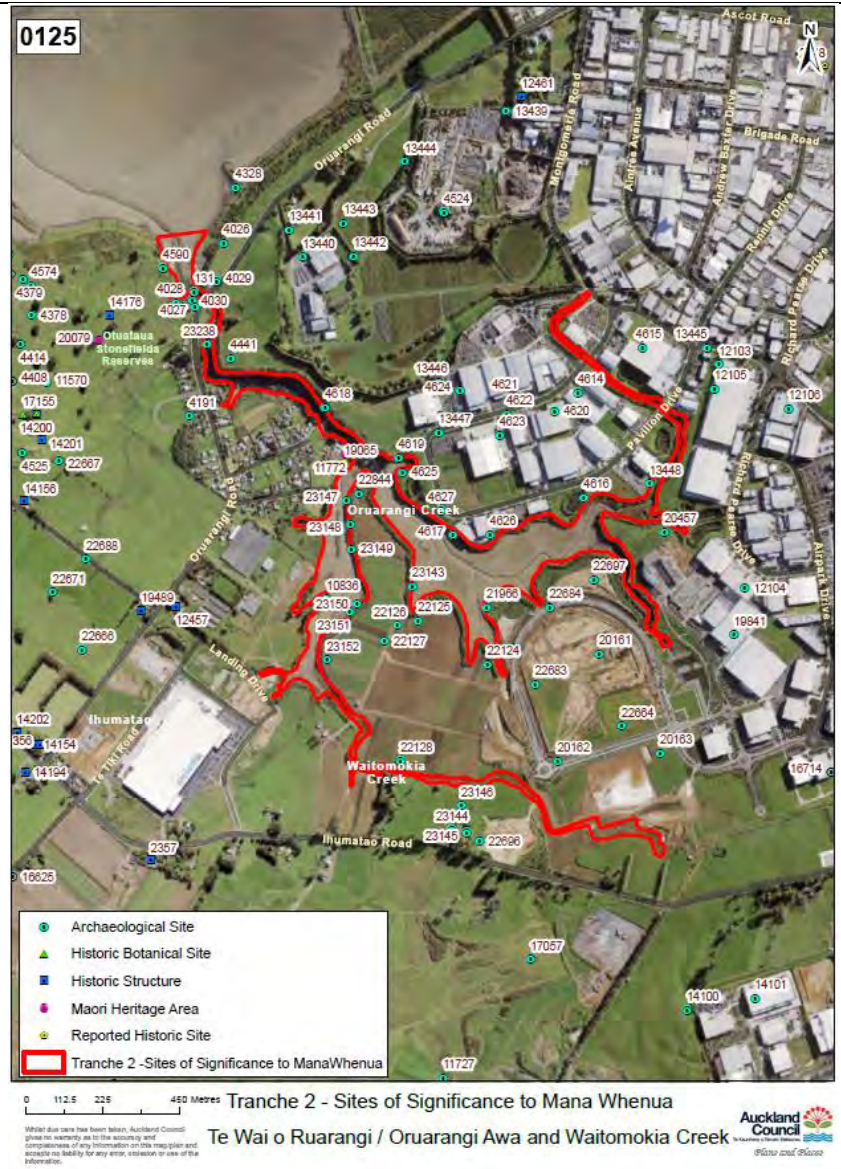


Tranche 2 - Sites of Significance to Mana Whenua
 Site Name - Te Wai o Ruarangi / Oruarangi Awa and Waitomokia Creek
 Site ID - 0125

Auckland Council
Environment & Heritage Services

- Tranche 2 - nominated sites extent
- Designations
- Indicative Coastline (i)
- Precincts
- Outstanding Natural Features Overlay
- Significant Ecological Areas Overlay
- Terrestrial
- Marine 2
- Historic Heritage Overlay Place [rcp/dp]
- Historic Heritage Overlay Extent of Place [rcp/dp]

3. CHI map separated into archaeological and built heritage (AC GIS 14/6/21)



4. NZAA map (AC GIS 8/06/21)



● NZAA Sites
 Tranche 2 - Sites of Significance to ManaWhenua

0 112.5 225 450 Metres
Whilst due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map and accepts no liability for any error, omission or use of the information.

Tranche 2 - Sites of Significance to Mana Whenua
 Te Wai o Ruarangi / Oruarangi Awa and Wānaka

Summary of the documentary record for archaeological evidence associated with nominated extent of place.

Numerous archaeological sites have been identified in and around the nominated extent of place.

The most numerous of these are shell middens, suggesting that Oruarangi Creek has historically been a location of resource gathering of marine fauna. While many of these sites are officially recorded outside of the nominated extent (see table 3), a significant amount are described as eroding from the estuarine banks themselves.

Archaeological features associated with horticulture are also have also been recorded, primarily numerous pit and terrace features. Habitation sites are also present in the form of a ring-ditch Pa and a Māori settlement.

	<p>Additionally, radiocarbon dates have been obtained from a number of the recorded archaeological sites, demonstrating that human activity associated with these sites has been occurring since at least c. 1433 - 1479 AD.</p> <p>Finally, adjacent to this waterway and accessible by foot or canoe, are the Ōtuataua stone fields, a place of national significance.</p>
Tables	<p>Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area</p>

Table 4: Documentary archaeological evidence of Māori origin

CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
23238	R11_3339	-	-	Midden	Stream edge shell midden, visible in to and eroding into CMA. Much redeposited midden along the bank but this location is visible under tree stump and other vegetation at HWM (Eaves 2021).	Appendices 3, 4


Table 5: Other historic heritage sites in the nominated area.

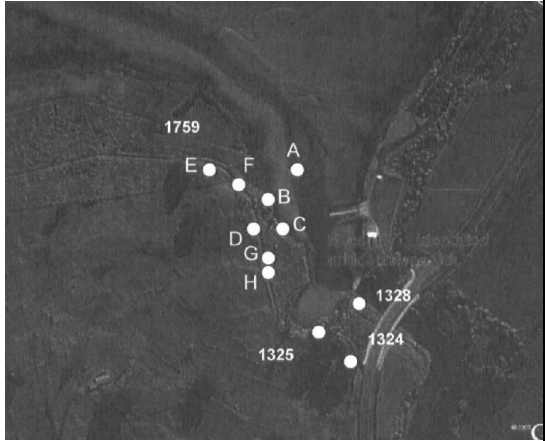
CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
131	R11_2146	-	Transport - bridge	Structure. Stone bridge with stone foundations (Taylor, Bedford, Felgate 2001).	-
-	-	-	Historic	Farm of Captain Haultain. Exact location as yet unknown (see appendix 6).	-


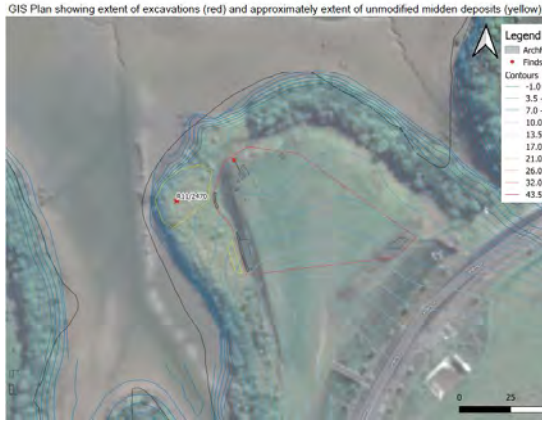
Table 6: Historic heritage sites adjacent to the nominated area

CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
Multiple	Multiple	6055		Māori	Ōtuataua Stonefields	See references
4026	R11_1323	-	1283	Midden	Shell midden 100m north of mouth of Oruarangi stream (White 1986).	-
4441	R11_575	-		Pā	Ring ditch pa on bend of Oruarangi stream, on lower edge of Waitomokia Mt Gabriel .	


					In a field where 18 adzes were ploughed up (Sullivan 1978). (See overleaf R11/1728 for location, in purple)	
4029	R11_132 7	-	1284	Midden	Shell midden some 16m in length, exposed in bank (Bates 1985, relocated by Bickler 2016).	
4616	R11_173 9	-		Midden	Shell midden, partially damaged (Sewell 1991).	-
4191	R11_65	-		Oruarangi settlement	Reported settlement, now destroyed (Brown, c.1970s). Described as south of and near the mouth of the Oruarangi Creek. SRF created from	-



					Hochstetter's plan and Māori Land Court 1868, existed in 1858. Some structures are recorded in the general vicinity throughout heritage maps (see appendix 6), though it is unclear if these are R11/65 or other structures in the area, such as Haultin's farm.	
4027	R11_132 4	-	1287	Midden	Exposed shell midden at south end of Oruarangi Road bridge; in creek bank exposed under European stone wall (Bickler 2016).	-
4618	R11_173 7	-		Midden	Fragmented shell midden first recorded in 1991 (Veart).	(see 1728 in red)
4627	R11_172 8	-		Midden	Shell midden over an area of 100m. Disturbed by ploughing and orchard planting (Sewell 1991). Reproduced below is the site plan from this SRF dated 1991. It shows other sites, this site 1728 is marked in yellow.	
 <p>Archaeological site R112... Fig 2. Area of Survey showing location of Sites</p>						
4028	R11_132 5	-		Midden	Shoreline west of Oruarangi Creek bridge. Reported partially destroyed by riprap in 2010 (Foster). Originally reported in 1979 (White).	-

4590	R11_175 9	-	1282	Midden	Eroding from west bank of Creek in vicinity of former pump house. Extensive midden but modified by the installation of the coastal walking track (Plowman 2008). Aerial photo on file indicates additional midden across this location (shown as letters A-H):	
						
13448	R11_203 7	-		Midden	On north bank of bulldozed farm road. On South side of Waitomokia crater and c.40m above Oruarangi Stream (Baquié 1999).	-
4617	R11_173 8	-		Midden	Shattered cockle visible in track, 150m south of 1728 (Sewell 1991).	-
4625	R11_173 0	-		Midden	On south bank of small tributary and around the head of the creek. Extends 75-100m along southern slope and reasonably undisturbed (Sewell 1991).	-
4619	R11_173 6	-		Midden	On north bank of small tributary, mostly cockle with historic artefacts on top (Sewell 1991).	-
4030	R11_132 8	-	1285	Midden	Rocky outcrop in creek but area used as a dump site. 25m north of road at bridge. First recorded in 1979 (Bartlett), area revisited in 2008 (Plowman) but vegetation too dense to relocate – or modified by Oruarangi restoration.	-

4626	R11_172 9	-		Midden	Scattered cockle between kiwifruit (Sewell 1991).	See 1728 in green
20457	R11_291 5	-		Midden	Exposed during development works, 10m long, partly within Montgomerie Rd Reserve and 30m south of an eastern branch of Oruarangi (Clough, Farley 2014).	-
21966	R11_247 0	-		Midden	<p>Adjacent to south side of Oruarangi Creek, midden, posthole, drains and firescoops. First recorded by Furey in 2008, excavated by Farley in 2019 (2019/423). Excavation showed features further inland with additional midden, spread over an area of c.45 x 45m. Estimated 80% of site destroyed by development (Farley 2021).</p>  <p>GIS Plan showing extent of excavations (red) and approximately extent of unmodified midden deposits (yellow)</p> 	
10836	R11_143 0	-		Midden	Cockle shell eroding from Waitamokia creek bank (Farley 2017).	-

22126	R11_313 0	-		Midden / oven	Site excavated under Authority 2018/255. Possibly related to site R11/3131; extensive habitation over time, damaged by market gardening. Excavation showed numerous postholes, artefacts (obsidian), drains, firescoops, hangi. Aligned kumara pits, whare kai, fences. Majority of artefacts from natural terrace above creek where stone working occurred (Farley 2017, 2021).	
22124	R11_312 8	-		Midden	Midden with obsidian artefact, damaged by market gardening. Near coast at 145 Ihumatao Rd (Farley 2017).	-
22125	R11_312 9	-		Midden	Middens 29 x 13m, includes postholes, drains, pits and hangi on east side of gully, SE from Oruarangi stream (Farley 2020).	
22128	R11_313 2	-		Māori	Artefact find – obsidian. Also at 145 Ihumatao Rd, north side of Waitomokia creek (Farley 2020).	-
22127	R11_313 1	-		Midden, pit	Was on west side of track at 145 Ihumatao Rd, relates to 3130 (Farley 2020). Excavated in 2021	-

					(destroyed) under Authority 2018/255.	
22684	R11_305 6	-		Midden	Was on NE bank of gully on south side of Oruarangi. Area now recontoured and this site is under a road(destroyed) (Farley 2017).	-
22696	R11_311 1	-		Midden	North side of Ihumatao Road, adjacent to heading around the homestead. Remnant hearths and postholes. Excavated under Authority 2015/322. Calibrated C14 date of 1490-1680 AD (95.4%) (Farley 2017, 2020).	-
22697	R11_311 2	-		Pit / Terrace	Nine pits on south side of Oruarangi on a small knoll. Excavated under Authority 2015/322. Calibrated C14 date of 1433-1479 AD (95.4%) (Farley 2017, 2020). <small>One of the pits during excavation, charcoal samples collected from this pit. Photo by Glen Farley, 7 March 2021</small> 	
22844	R11_246 9	-		Midden	On narrow headland from main channel of Oruarangi creek. Obsidian, oven, midden, obsidian flakes (12) (Farley 2017, 2020, 2021).	-
23147	R11_330 2	-		Midden	Shell midden on coastal margin likely to relate to R11/ 2469 but intact and 4.3m long, consisting of densely packed cockle, scallop, mudsnail, whelks and charcoal (Farley 2020, 2021).	

					View facing east showing exposed midden deposit. Jen Low, March 2018 	
23148	R11_3303	-		Midden	Shell midden on coastal margin southwest of R11/2469, likely to be related. Still present, 5m long and 15cm of densely packed cockle, scallop, mudsnail, whelk and charcoal (Farley 2020, 2021). View facing southeast showing area of exposed midden. Jen Low, March 2018 	
		-			-	
20162	R11_2941	-		Agricultural	Agricultural, upper reaches. Hedgerow and ditch forming boundary between Pt Allot 89 and 565.	-
-	-	-		Land title	Landing Reserve (DP2173)	Appendix 5
131	R11_2146	-	1286	Transport - bridge	Structure. Stone bridge with stone foundations	-

					(Taylor, Bedford, Felgate 2001).	
		-		Historic	Residence of Captain Haultain (AC files, Hochstetter)	-
Reference documents	Heritage Unit, Policy: Plan change files Ōtuataua Stonefields documents from HNZPT List https://www.heritage.org.nz/the-list/details/6055 LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz					
Appendices						
	Appendix 1 NZAA forms					
	Appendix 2 CHI forms					
	Appendix 3 Site photo R11/3339.					
	Appendix 4 R11/3339 in June 2021					
	Appendix 5 DP2173 of 1899					
	Appendix 6 Captain Haultain's farm indicated on Hochstetter's geological map of Auckland					
Appendix 1 NZAA forms	\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\2. Oruarangi\NZAA					
Appendix 2 CHI forms	\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\2. Oruarangi\CHI					
Appendix 3 Site photo R11/3339. Photo taken from east bank looking to west bank at low tide. Midden location arrowed.						



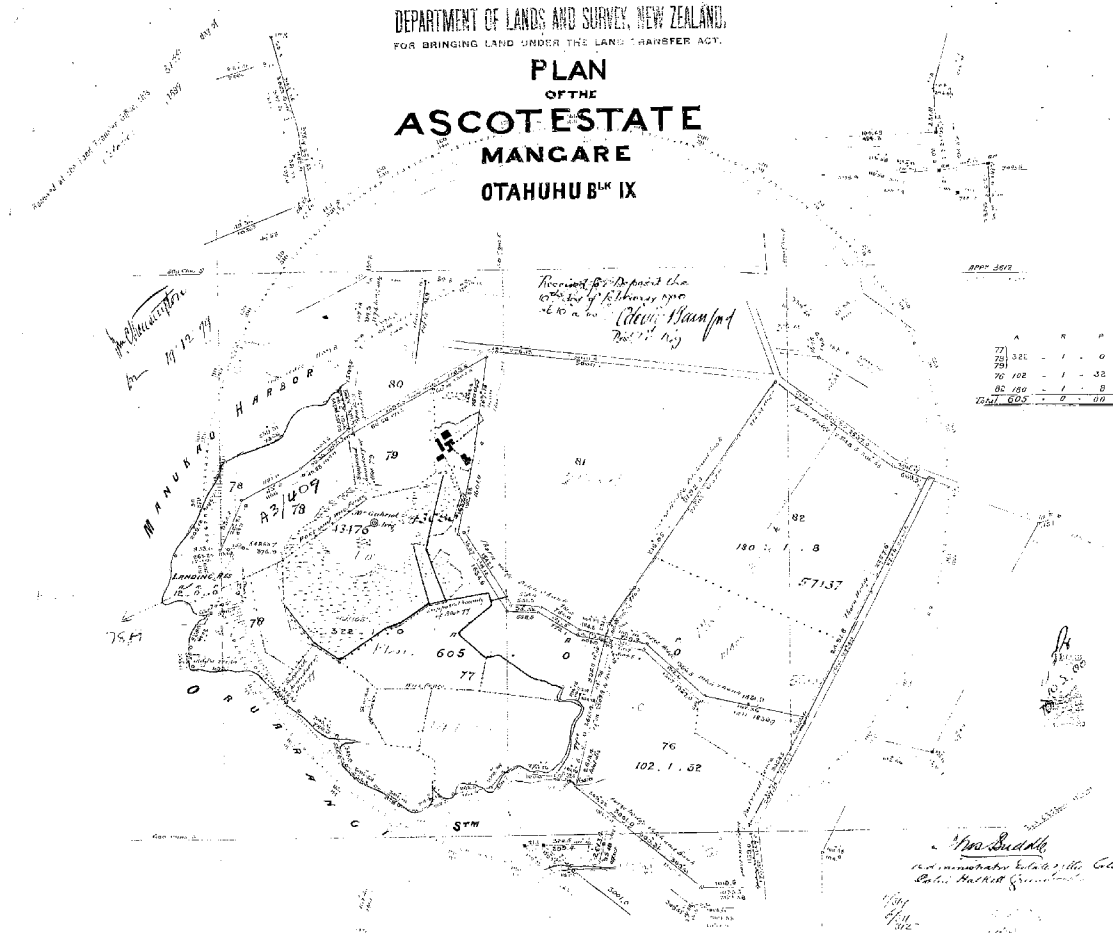
Appendix 4
June 2021 image
showing location
of midden under
vegetation and
tree stumps.



Appendix 5 (overleaf) DP2173 of 1899

DEPARTMENT OF LANDS AND SURVEY, NEW ZEALAND.
FOR BRINGING LAND UNDER THE LAND TRANSFER ACT.

PLAN
OF THE
ASCOTE ESTATE
MANCARE
OTAHUHU B^{IX}



APP. 3072

	A	R	P
77	321	-	0
78	102	-	32
82	100	-	0
Total	523	0	32

Subdivision No. 2
Date of Plan 19/12/94
Reference to the Plan
Plan No. 102/32
Registered

Sections 76, 77, 78, 79, 80 Parish of Manukau
Greenwood
P.O. Chas.

Sold on Block IX Otahuhu

19/12/94

DECLARATION FOR BRINGING LAND UNDER THE LAND TRANSFER ACT
I, the undersigned, being the owner of the land hereinafter described, do hereby declare that the land hereinafter described is not subject to any mortgage, charge, or other encumbrance, and that the same is not affected by any law relating to the land transfer act, and that the same is not subject to any other law relating to the land transfer act, and that the same is not subject to any other law relating to the land transfer act.

Appendix 6

Captain Haultain's Farm on Oruarangi stream (indicated). *From Auckland Libraries 1012-61 Der Isthmus von Auckland mit seinem erloschenen Vulkankegeln* by Ferdinand von Hochstetter, 1859.



Summary of Archaeological Evidence - Nga motu o Pahurehure MWH000172

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
ME	Author	24/06/21	1
Chris Mallows	Review	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	03/03/23	3
Alex Jorgensen	Review	01/08/23	3
Leo Gallagher	Updated	01/10/23	Final

Definitions


ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:
<https://www.heritage.org.nz/protecting-heritage/archaeology>

Site³

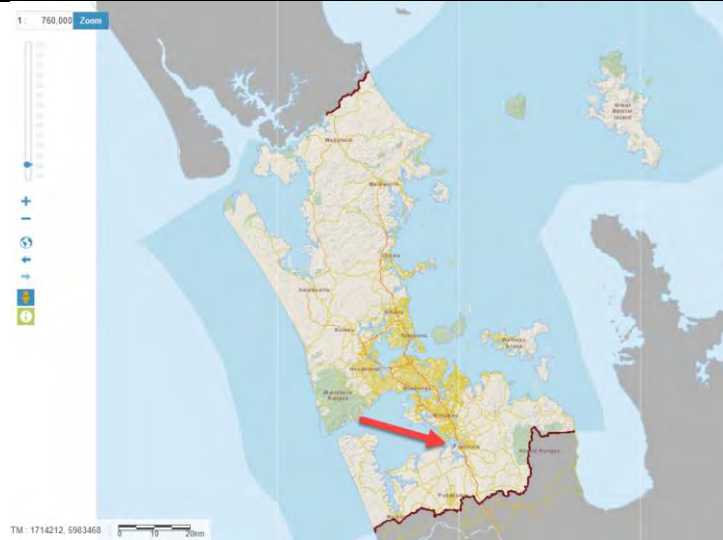
A place containing the remains of former human habitation; an excavation.⁴

Name of Site	Nga motu o Pahurehure (Pahurehure Islands)
MWH number	MWH000172
Address	149 CAPRIANA DRIVE HINGAIA AUCKLAND 2580 151 PARAREKAU ROAD HINGAIA AUCKLAND 2580 CAPRIANA DRIVE HINGAIA AUCKLAND 2580 1/147 CAPRIANA DRIVE HINGAIA AUCKLAND 2580 149A CAPRIANA DRIVE HINGAIA AUCKLAND 2580 147 CAPRIANA DRIVE HINGAIA 2580
Land ownership	Both (public and private)
	I429 - Pararēkau and Kopuahingahinga Island Precinct
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none">1. Regional location2. Map of scheduled sites3. CHI map (AC GIS 18/06/21)4. NZAA map (AC GIS 8/06/21)

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

1. Regional location



2. Map of Scheduled sites: 655, 658, 659, 660, 661, 662, 663, 664, 682, 683, 684, 689, 690, 691



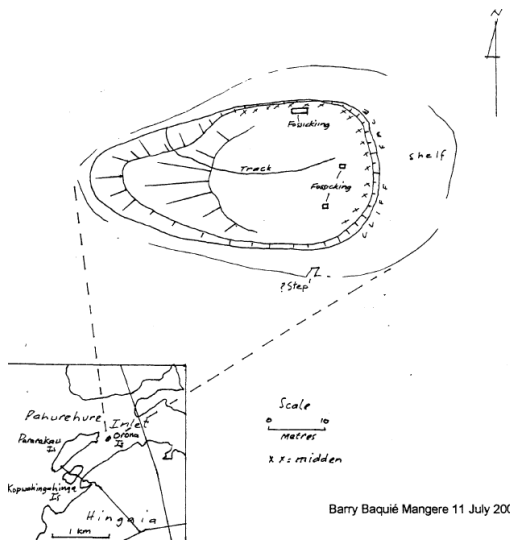
3. CHI map separated into archaeological and built heritage (AC GIS 14/06/21)

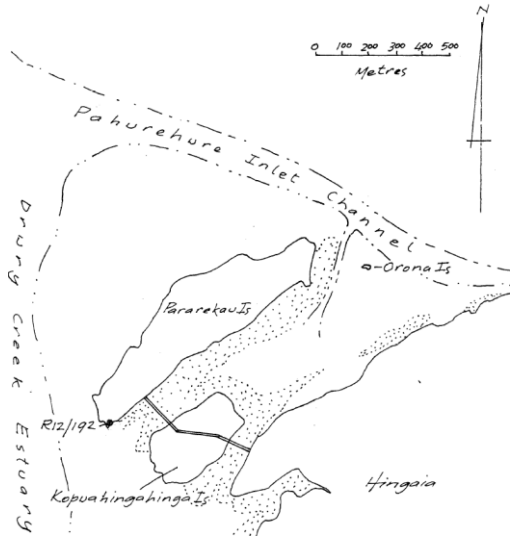
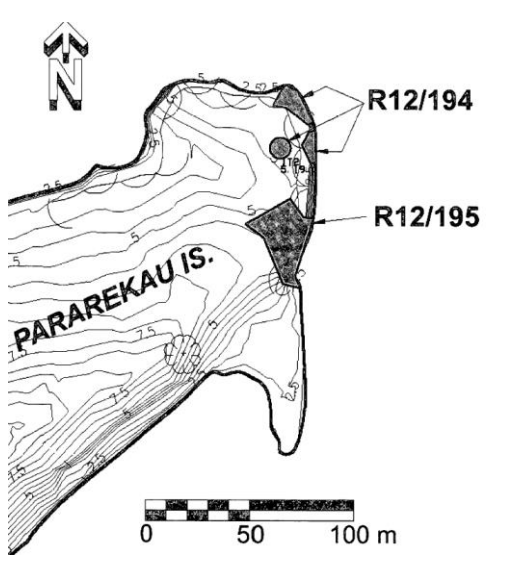


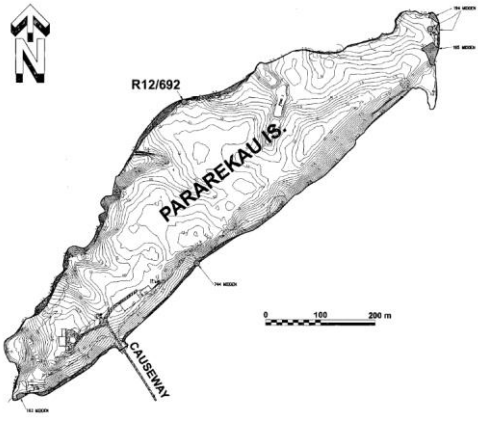
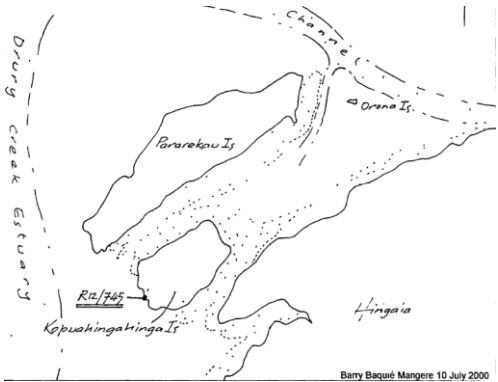
4. NZAA map (AC GIS 8/06/21)

<p>Summary of the documentary record for archaeological evidence associated with nominated extent of place</p>	<p>Archaeological sites have been recorded in and around the nominated extent of place.</p> <p>The majority of these are shell middens, suggesting that the Pahurehure Islands and surrounding waterways historically were an area of resource gathering of marine fauna. Additionally, a small settlement has been identified on Orona/Orewa Island, indicating habitation of this island.</p> <p>Pit and terrace features had been previously recorded within the nominated extent, though aside from one site (R12/744), these have been re-interpreted as either modern or relating to gum-digging.</p>
<p>Tables</p>	<p>Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area</p>

Table 4: Documentary archaeological evidence of Māori origin

CHI	NZAA	HNZPT list	AUP ID	Site type	Description, condition, Source	Associated images
7115	R12_167	-	-	Settlement	First identified by Bacquié in 2000. A small sedimentary island on east side of Pararēkau. Midden deposits, including hangi, have been damaged by fossicking, site subject to erosion.	
	R12_193	-	0659	Midden	First recorded in 1980 (Simmons), relocated by Baquié in 2000 but eroded and considered likely to erode further.	<i>Likely destroyed</i>
4082	R12_196	-	0662	Midden	Recorded in 1979, but not relocated in 1996 as it had been destroyed by a bulldozed road. In 2000 a midden adjacent to this location was found but subject to erosion (Bacquié). Not relocated by Tanner et al in 2002.	<i>Likely destroyed</i>
7577	R12_197	-	0663	Pit	Recorded in 1979 but considered a modern feature in 2003: this area was reclaimed in 1930s.	<i>Not relocated in 2006, 2011 or 2000, too much vegetation and rabbit activity.</i>
6193	R12_192	-	0658	Midden	Cliff top location with some slumping, first recorded first in 1979, but by 2000	

					<p>(Baquie, map below) and 2002 more erosion had occurred. Two separate lenses of cockle, mudsnail and rock oyster were visible.</p> 	
6195	R12_194	-	0660	Midden	<p>North-east corner of island, exposed in cliff face. Foster (SRF map below, 2006) notes continued erosion of this site since the site record update in 2000. In 1960 there was a substantial row of trees around this point, still present when Lees purchased the island in 1965, now (2006) destroyed by erosion. Probing and sub surface testing showed two main concentrations of midden along the cliff top with a small area slightly inland.</p> 	
8769	R12_195	-	0661	Māori	Midden	-
13624	R12_744	-	689	Midden	A small midden and depressions were	-

					recorded in 2000. In 2002 a terrace 7m above the midden was added to the record. In 2010 the site could not be relocated.
4081	R12_692	-	682	Midden	<p>Small, located on a cliff top. First recorded in 1979 but unlocated in 2002. In 2010 a remnant was visible as eroded material down the cliff face (Foster SRF 2010, see plan below).</p>  <p>Survey plan showing location of site R12/692, Pararekau Island, Manukau Harbour</p>
	R12/693		683	Midden	No SRF and number is deleted
	R12/694		684	Midden	No SRF and number is deleted
20421	R12_946			Midden	No SRF and number is deleted
Kopuahingahinga					
13625	R12_745		690	Midden	<p>Intact cockle shell lens separate from a fragmented cockle and mudsnail lens; both severely eroded. In addition, sparse midden scatters slightly inland and part of a horse trail. Inspected 2002 (see below) and 2002, erosion evident.</p>  <p>Barry Baquá Mangere 10 July 2000</p>
13626	R12_746	-	691	Midden	Northeast of 745, exposed in horse trail. Relocated in 2000 and 2002, the midden is

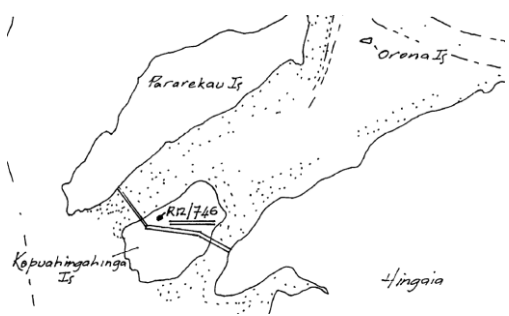

					<p>disturbed over and area of 15x15m and concentrated in 5x5m (cockle, rock oyster and mudsnail). Possibly still protected by leaf litter (Baquie 2000 see plan below).</p> 
17114	R12_947	-	-	Midden	<p>Midden sits on top of coastal bank. Rock oyster and cockle, close to historic site 948 (Foster 2006, see image below).</p>  <p>Kopuahingahinga Island showing location of site R12/947</p>


Table 5: Other historic heritage sites in the nominated area.

CHI	NZAA	HNZPT list	AUP ID	Site type	Description, condition, Source	Associated images
9371	R12_198	-	0664	Pit / terrace	Three pits first recorded in 1979. Not relocated in 2000 by Baquie, suggest horse trails throughout the bush may have destroyed this site. Probably a gum digging site with pits.	
17126	R12_948	-	-	Gum digging	Camp site for gum digging, area highly modified (Foster 2006, see image below).	

Table 6: Historic heritage sites adjacent to the nominated area


The following sites are not on the island(s) themselves, but immediately across the water to Hingaia approximately 1km or less (depending on tide).


CH I	NZAA	HNZPT list	AUP ID	Site type	Description, condition, Source	Associated images
	R12/914	-	-	Midden	Located at the top of on eroding slope leading down to a newly formed roadway along the esplanade reserve, providing access to the Islands. Contains cockle, mudsnail and Pacific oyster.	-
	R12/667	-	667	Midden	Originally recorded (Lawlor 1998) as 50m inland from Pahurehure in a paddock ploughed for cropping. By 2002 it could no longer be relocated (Tanner et al).	

						
	R12/913	-	-	Midden	In the esplanade reserve of Hilldene Road, c.300m west of southern motorway near a small stream. By 2004 vegetation clearance in reserve showed much of the midden was scattered and broken. Reported as mostly cockle on top of a coastal cliff, 6-7m ASL.	-
	R12/678	-	670	Midden	Off Hilldene Road, adjacent to a farm access track c.350m west of southern motoway, and about 250m north-west of Ross Homestead. Mostly fragmented cockle with some oyster on the remains of a knoll and damaged by market garden operations (2011).	-
	R12/676	-	668	Midden	Scatters of shell (mostly fragmented cockle with some oyster) over a 10m x 10m area. Fallow market garden (Prince 2011). Possibly destroyed.	-
	R12/679	-	671	Midden	Whole and fragmented shell (predominantly cockle with some oyster and mudsnail) eroding down foreshore escarpment. Visible 2m in scarp face. Located 100m east of small inlet at the western end of bottle top bay. Largely destroyed at time of visit 22/06/2000. Potentially entirely	-

					destroyed now. (Prince, 2000).	
	R12/680	-	672	Midden	Whole and fragmented shell (predominantly cockle with some oyster and mudsnail) along with black soil exposed during recent tree planting. 200mm thick over a 15x10m area near the coastal escarpment. Located on north-western lawn of Derbyshire lane. Portion disturbed by tree planting, large section remains as an intact subsurface deposit at the time of visit 22/06/2000. (Prince, 2000)	-
	R12/681	-	673	Midden	Single lens of shell midden. Whole and fragmented shell. Mostly cockle, with some scallop, oyster, charcoal and heat fractured rock, contained within grey soil matrix. 300mm thick, visible in roughly 6m of coastal escarpment. Located in the forshore scarp at western end of small beach between Oakland Rd Landing Ramp and wharf. Past and continuing natural erosion. (Prince, 2000)	-
	R12/199	-	665	Midden	Lens of midden. Predominantly cockle interspersed with hangi stone. 260mm thick. 3.6m exposed in bank profile. 30m south of wharf at end of Oakland road. Situated in a continually eroding bank. (Simmons, 1979)	-
	R12/200	-	-	Midden	Note: SRF describes two deposits, though is recorded as one site. Deposit A: lens of predominantly cockle, 3cm thick. Some mudsnail and about 5% oyster. 14.6m in width. B: lens 1cm to 3cm thick predominantly cockle, some mudsnail. Hangi stones. One piece 7.4m thick,	Original record (27/11/79): Bank is eroding and will continue to do so. Updated visit (2010): significant coastal erosion. Likely most of

					then continuing on in another 1.1m patch. (Simmons, 1979)	the site is destroyed.
	R12/682	-	674	Midden	Single lens of midden 200mm thick. Whole and fragmented shell. Predominantly cockle with some scallop, oyster, fractured rock and charcoal. Visible for about 20m in bank. Located at the lawn at the bottom of 21 Hayfield Road. Past and continuing erosion. (Prince, 2000)	-
	R12/683	-	675	Midden	Single lens of shell midden up to 150mm thick. Whole and fragmented shell, predominantly cockle with some scallop, oyster, charcoal and heat fractured rock. Midden visible as a surface scatter of shell over a 10mx5m area of the lawn. Located at estuary bank directly in front of dwelling at 21 Hayfield Way. Past and continuing natural erosion. Some disturbance where planting has taken place. (Prince, 2000)	-
	R12/2	-	-	Midden	Total area 70sq yards. Already destroyed 40 sq yards. (Simmonds, 1962)	-
	R12/1057	-	-	Midden	50 cm lens of shell midden exposed in a low 1m bank above a small sandstone beach. Fragmented and whole rock oyster and cockle. Fire cracked rock noted, but no burnt shell or dark soil matrix. Poor condition. (No Author noted on SRF)	-
	R12/206	-	-	Midden, Pit/Terrace	A group of seven midden and possible shallow pits. See appendix x for detailed descriptions of each deposit. Landowners claim that WW2 military camp was on the property and pits may be remnants of the latrine. Fair	-

					condition. (Simmons 1980, Druskovich 2010)	
	R12/207	-	-	Midden	1m of cockle shell lens, 2-6cm thick. Some black soil matrix, no fire cracked rock or charcoal noted. Poor condition. (Simmons 1980, Druskovich 2010)	-
	R12/208	-	-	Midden	20cm lens of very decayed midden under 20cm of topsoil. 2.4 metres in length. (Simmons, 1979)	-
	R12/209	-	-	Midden	30cm lens of midden, 15.3m of length. (Simmons, 1979)	-
	R12/111 2	-	-	Midden	4m long lens of shell varying from 5 to 30cm thick. Mostly fragmented cockle, with occasional rock oyster and mudsnail. Fair. Continuing coastal erosion. (Robinson, Ford & Carter, 2011)	
						
	R12/111 4	-	-	Midden	The site is in a 3m high coastal vertical bank covered with grass and mature pine trees. The midden is found under the turf in 10-20cm of dark brown/black topsoil. This extends for 30m (A to B) along the coast and is nearly continuous. It varies in thickness and density from a 10cm scatter to a 25cm moderately compact site. Contents vary from section to section. A - Contains approximately 80% rock oyster with some cockle, NZ flat oyster, scallop and mudsnail in a grey black silty/ashy soil matrix. No fire cracked rock or burnt shell noted. B - Here the site has almost completely collapsed. In the scatter visible in the soil there are mostly whole and fragmented cockle (50/50) along with the occasional mudsnail. No dark soil matrix, fire cracked rock or burnt shell noted. (Robinson, Ford and Carter, 2011).	

					
Reference documents	<p>Clough, R., Prince, D., & Baquie, B. (2000). <i>A Cultural Heritage Investigation for the Hingaia Structure Plan, Papakura</i>. Unpublished report for the Papakura District Council.</p> <p>Foster, R. (2006). <i>Pararekau and Kopuahingahinga Islands archaeological assessment</i>. Unpublished report prepared for Karaka Harbourside Estate Ltd.</p> <p>Foster, R. (2017). <i>Pararekau Island Archaeological Assessment</i>. Auckland: Unpublished report prepared for Karaka Harbourside Estate Ltd.</p> <p>Foster, R., & Simmons, P. (1980). <i>Archaeological Site Survey of Pahurehure Inlet</i>. Unpublished report for the Historic Places Trust.</p> <p>Murdoch, G. (1990). <i>A brief history of the human occupation of the Slippery Creek catchment</i>. . Unpublished report for the Regional Water Board.</p> <p>LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz</p>				
Appendices	<p>Appendix 1: NZAA Forms Appendix 2: CHI Forms Appendix 3: Archaeological site extents mapped by Foster & Spring-Rice in 2006.</p>				
Appendix 1 NZAA Forms	\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\3. Pahurehure Islands\ArchSite				
Appendix 2 CHI Forms	\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\3. Pahurehure Islands\CHI				

Appendix 3. Archaeological site extents mapped by Foster & Spring-Rice in 2006.

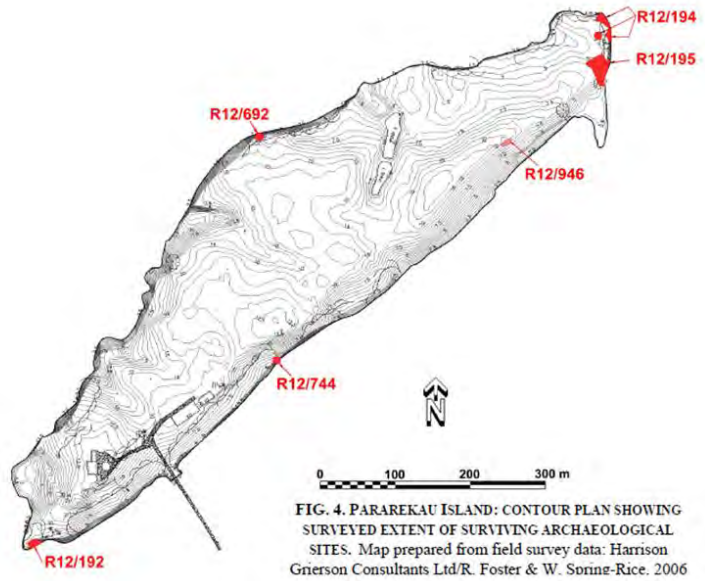


FIG. 4. PARAREKAU ISLAND: CONTOUR PLAN SHOWING SURVEYED EXTENT OF SURVIVING ARCHAEOLOGICAL SITES. Map prepared from field survey data: Harrison Grierson Consultants Ltd/R. Foster & W. Spring-Rice. 2006

Summary of Archaeological Evidence - Whakahuranga Pā MWH000180

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Rebecca Ramsay	Author	28/05/2021	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2

Definitions

ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite
Site ³	A place containing the remains of former human habitation; an excavation. ⁴

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), Heritage NZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:

<https://www.heritage.org.nz/protecting-heritage/archaeology>

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

Name of Site	Whakahuranga Pā
MWH number	000180
Address	Lot 1 DP 211035, Journeys End Tapura 0977; Lot 2 DP 211035, Journeys End Tapura 0977
Land ownership	Both (<i>Mixed ownership (private, public, Māori (cultural redress))</i>)
MW map showing nominated area (s32 CVA)	<p>0180</p> <p>Oruawhoro River Stewardship Area</p> <p>NZAA Sites</p> <p>Tranche 2 - Sites of Significance to Mana Whenua</p> <p>0 65 130 260 Metres</p> <p>Tranche 2 - Sites of Significance to Mana Whenua</p> <p>Whakahuranga Pā</p> <p>Auckland Council Plans and Places</p>
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites (if any) 3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS 14/06/21) 4. NZAA map (AC GIS 8/06/21)
1. Regional location	



0 65 130 260 Metres

Tranche 2 - Sites of Significance to Mana Whenua

Whakahuranga Pa

Whilst due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map and accepts no liability for any error, omission or use of the information.



2. ?

3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS 14/06/21)



4. NZAA map (AC GIS 8/06/21)



Summary of the documentary record for archaeological evidence associated with nominated extent of place

One archaeological site has been recorded in the nominated extent of place.
 Whakahuranga Pa is a ring ditch pa located on a high point north of Tapora overlooking the Oruawharo River and the wider Kaipara Harbour.

Tables

- Table 1: Documentary archaeological evidence of Maori origin**
- Table 2: Other historic heritage sites in the nominated area.**
- Table 3: Historic heritage sites adjacent to the nominated area**

Table 4: Documentary archaeological evidence of Maori origin

CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
9558	Q09/57	-	-	Pā	<p>Whakahuranga Pā is a ring ditch pa located on a high point north of Tabora overlooking the Oruawharo River and the wider Kaipara Harbour.</p> <p>Features of the site include pits both inside and out of the ditch and bank, with the internal platform measuring 30x15m. Dense shell midden was also recorded with at least three species. Additional lateral terracing and internal pits are also recorded.</p> <p>The position of pits and terraces close to the ditch suggests the possibility of an early terraced pa rebuilt as a ring ditch.</p> <p>Historic bulldozed track has caused damage on western side of site.</p> <p>A nearby gentle hill (approx. 100x50m) is also noted as potentially being gardens (WHO in which SRF 1990?)</p>	Appendix 3: historic maps, sketch plans and historic aerial imagery.

Table 5: Other historic heritage sites in the nominated area.


CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
-	-	-	-	-	-	-

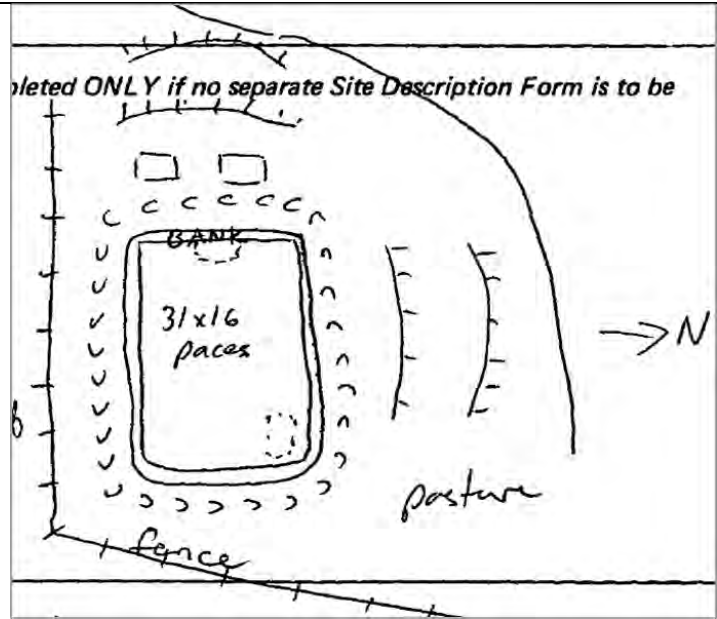
Table 6: Historic heritage sites adjacent to the nominated area

The nearest recorded archaeological site is approximately 0.7km north of the nominated extent and is a midden site.

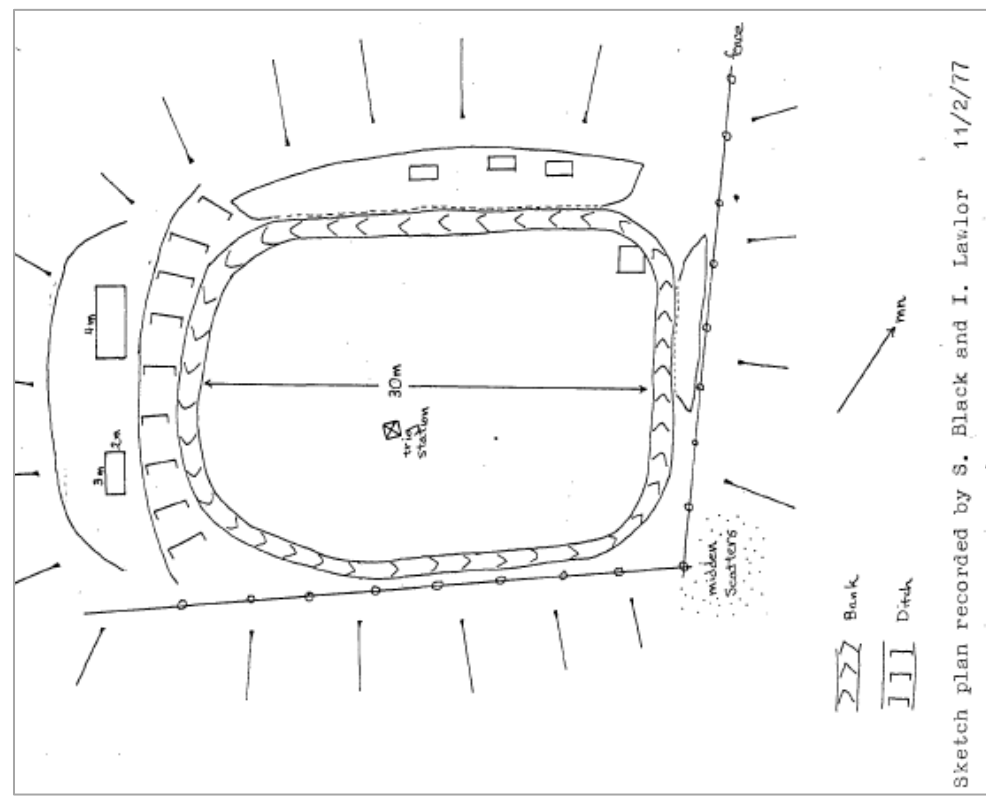
CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
-	-	-	-	-	-	-

Reference documents	LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz					
Appendices	Appendix 1 NZAA Forms Appendix 2 CHI Forms Appendix 3: 1858 Chart of the Kaipara Harbour					

	<p>Appendix 4: 1974 site sketch plan of Q09_57 (Davidson)</p> <p>Appendix 5: 1977 site sketch plan of Q09_57 (Lawlor and Black)</p> <p>Appendix 6: 1953 aerial clearly showing the ditch and bank feature of Q09_57 (NZMS 3; Sheet N33/2) (Retrolens).</p> <p>Appendix 7: 1966 aerial showing faint ditch and bank features of Q09_57 (Crown_1875_5038_7) (Retrolens).</p>
<p>Appendix 1 NZAA Forms</p>	
<p>Appendix 2 CHI Forms</p>	
<p>Appendix 3: 1858 Chart of the Kaipara Harbour (cropped) showing Oporo Hill to the north west of 'Wakahuranga' (NZ Map 2560) (Accessed via Auckland Council Libraries, Heritage Images Online NZ Map 2560.</p>	 <p>The image is a historical chart of the Kaipara Harbour, showing Oporo Hill to the north west of 'Wakahuranga'. The chart is titled 'RIVER ORUA-WHARU' and includes various geographical features and labels such as 'Mota Humera', 'Oporo Hill', 'Tangarua', 'Wakahuranga', 'Te Uka Brook', and 'Mud'. The chart is a detailed topographical map with contour lines and numerous numerical annotations.</p>
<p>Appendix 4: 1974 site sketch plan of Q09_57 (Davidson)</p>	



Appendix 5: 1977 site sketch plan of Q09_57 (Lawlor and Black)



Appendix 6: 1953 aerial clearly showing the ditch and bank feature of Q09_57 (NZMS 3; Sheet N33/2) (Retrolens).



Appendix 7: 1966 aerial showing faint ditch and bank features of Q09_57 (Crown_1875_5038_7) (Retrolens).



Summary of Archaeological Evidence – Manukapua MWH000192

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The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Joe Mills	Author	03/06/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	03/03/23	3
Alex Jorgensen	Review	01/08/23	3
Leo Gallagher	update	01/10/23	Final

Definitions


ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:
<https://www.heritage.org.nz/protecting-heritage/archaeology>

Site³

A place containing the remains of former human habitation; an excavation.⁴

Name of Site	Manukapua
MWH number	MWH000192
Address	Pt Okahukura 1 Blk DP 10011 Okahukura Road Tapora 0977
Land ownership	Public
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none">1. Regional location2. Map of scheduled sites (if any)3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage4. NZAA map

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

1. Regional location



2. Map of scheduled sites

-

3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS: 18/04/23)



Tranche 2 - Sites of Significance to Mana Whenua
 Site Name - Manukapua
 Site ID - 0192

Tranche 2 - nominated sites extent

CHI

- Archaeological Site
- Historic Botanical Site
- Historic Structure
- Maori Heritage Area
- Maritime Site
- Reported Historic Site

**4 NZAA Map
(AC GIS:
18/04/23)**



0 385 770 1,540 Meters
Whilst due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map/plan and accepts no liability for any error, omission or use of the information.

Tranche 2 - Sites of Significance to Mana Whenua
 Site Name - Manukapua
 Site ID - 0192

Auckland Council
In Partnership with our Whānau
Whānau and Whāia

- ▭ Tranche 2 - nominated sites extent
- 📍 NZ Archaeological Association (NZAA) Archaeological Sites

Path: U:\CPO\SLIP\GIS\UPDES\022\Library\Plan\Plan Chopped\Sites of Significance\Tranche 2\Workbook\Tranche 2 - Map sites.docx

Summary of the documentary record for archaeological evidence associated with nominated extent of place

Archaeological sites have not been recorded in the nominated extent of place.

One archaeological site has been reported (CHI 848), though this has never been recorded as an archaeological site in the NZAA database.

The closest recorded sites to this nominated extent are approximately 1500m away and are a cluster of midden sites on the nearby peninsula.

Tables	Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area					
Table 4: Documentary archaeological evidence of Māori origin						
CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
848	-	-	-	Reported Historic Site	Reported archaic midden site, unlikely to survive due to geology of the island (Previous summary of archaeological information – June 2019)	-
Table 5: Other historic heritage sites in the nominated area.						
CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source		Associated images
-	-	-	-	-		-
Table 6: Historic heritage sites adjacent to the nominated area						
CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source		Associated images
-	-	-	-	-		-
Reference documents	<p>Smith, Q. H. (1999). <i>Barrier Island evolution at Tapora, Kaipara Harbour</i>. Thesis submitted in Partial Fulfilment of the Requirements for the Degree of Master in Science and Geography. University of Auckland.</p> <p>LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz</p>					
Appendices	Appendix 1: NZAA forms Appendix 2: CHI forms					
Appendix 1: NZAA forms	-					
Appendix 2: CHI forms	-					

Summary of Archaeological Evidence – Poutekorua MWH000199

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area, to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from public information such as the Auckland Council Cultural Heritage Inventory (CHI), ArchSite (NZAA) as well as local and national libraries. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the New Zealand Archaeological Association (NZAA) nor the Auckland Council guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Myfanwy Eaves	Author	5/05/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2

Definitions

ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite
Site ³	A place containing the remains of former human habitation; an excavation. ⁴

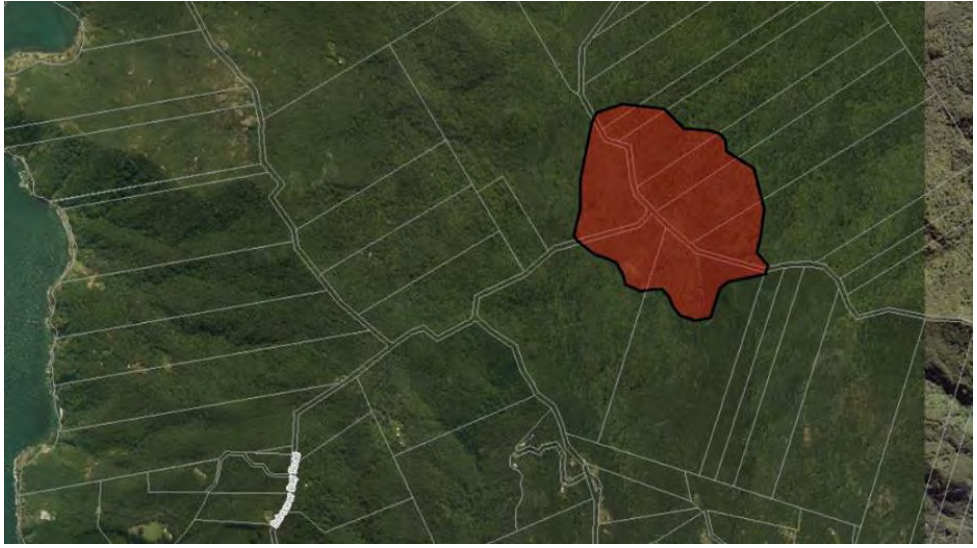
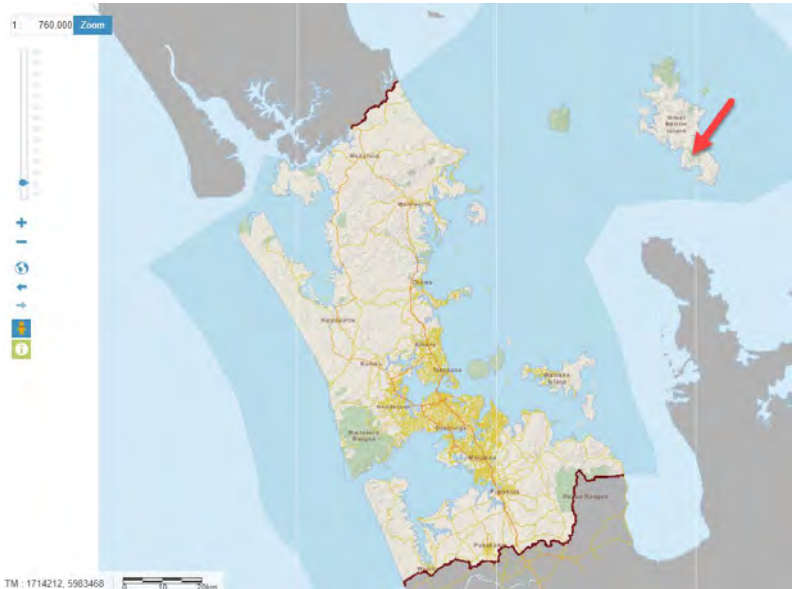
¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:

<https://www.heritage.org.nz/protecting-heritage/archaeology>

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

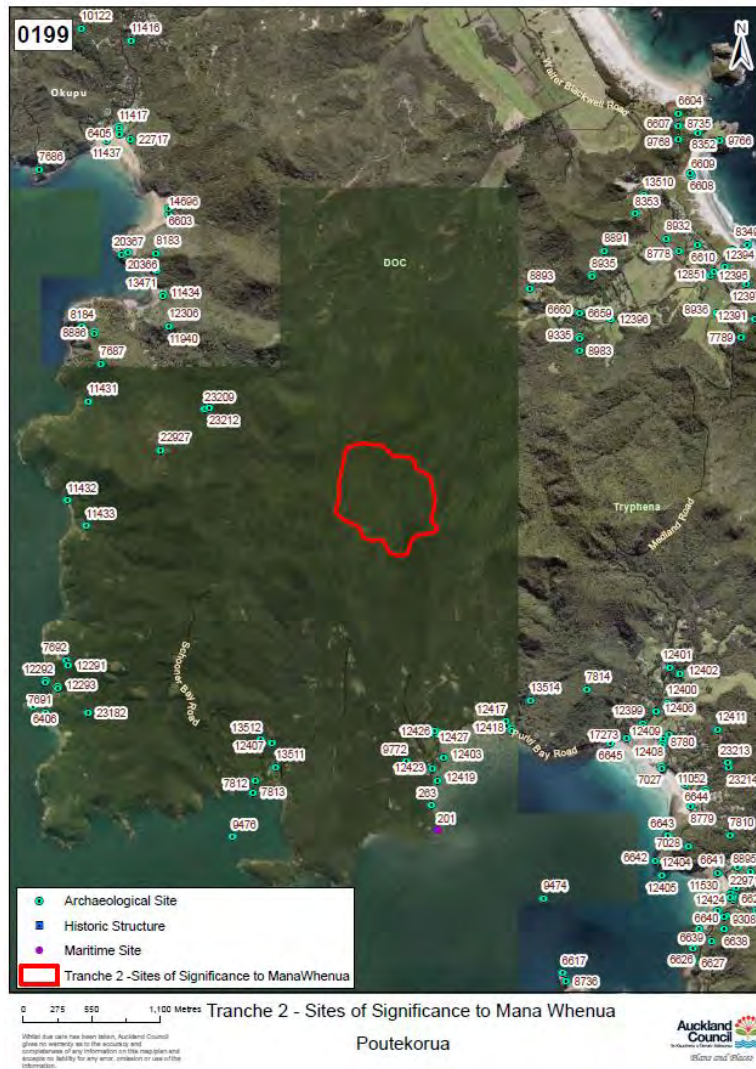
Name of Site	Poutekorua
MWH number	MWH000199
Address	660 Whangaparapara Road Part Parish AOTEA Maungatawhiri Road Great Barrier Island 0991; Parish AOTEA Schooner Bay Road Great Barrier Island 0991; 101 NW102 M102 SE102 NW103 AOTEA PARISH GAZ 1979 P No Road Access Gbi Great Barrier Island 0991; Blind Bay Road Great Barrier Island Auckland 0991
Land ownership	Public (DOC)
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites 3. CHI map (AC GIS 14/06/21) 4. NZAA map (AC GIS 8/06/21)
1. Regional location	

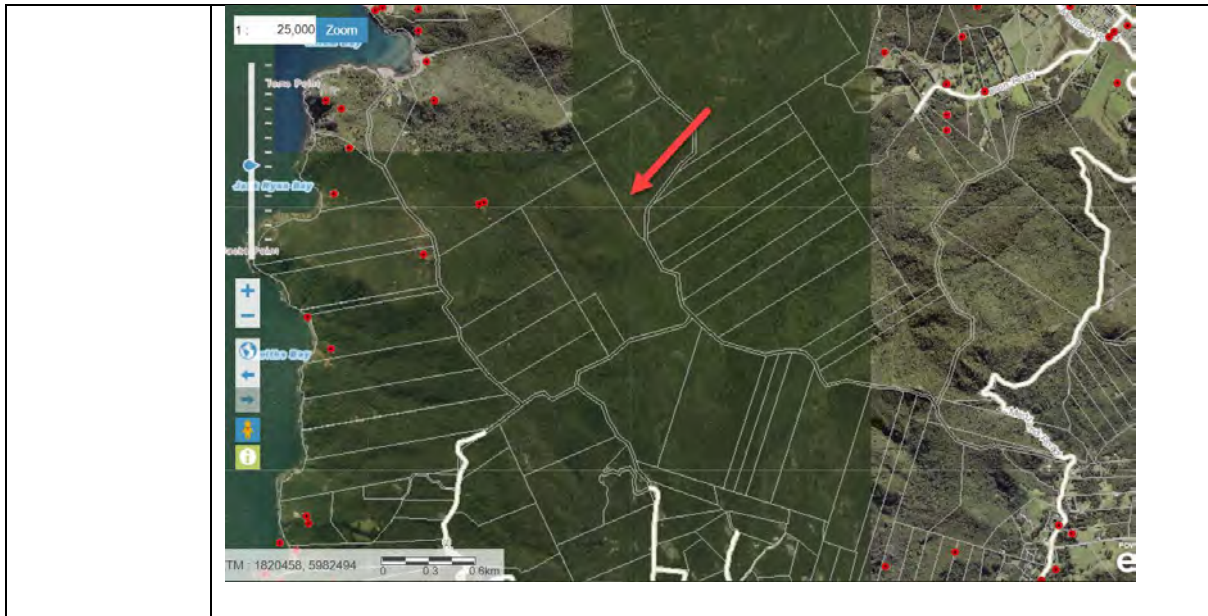


2. Map of scheduled sites

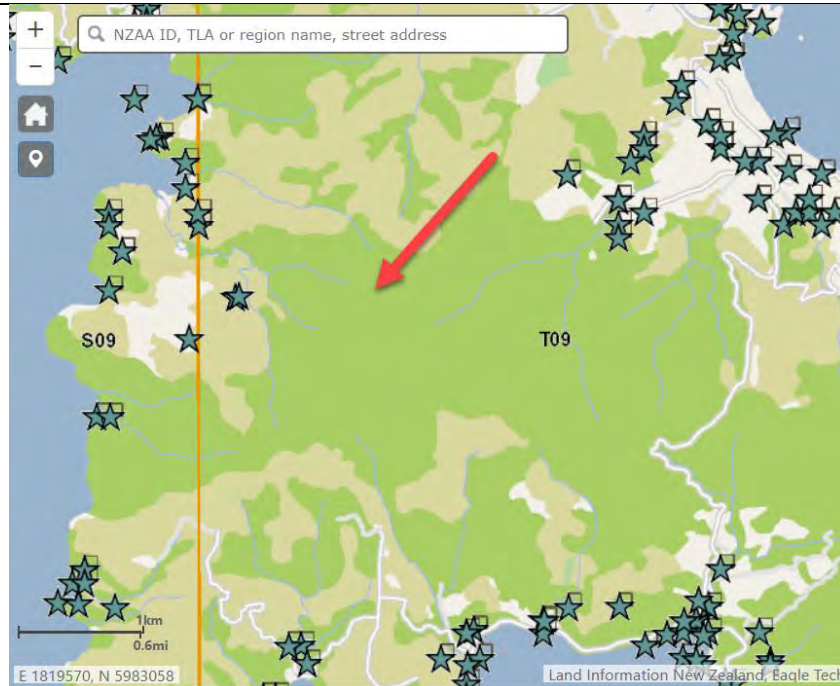
None

3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS 14/06/21).





4.

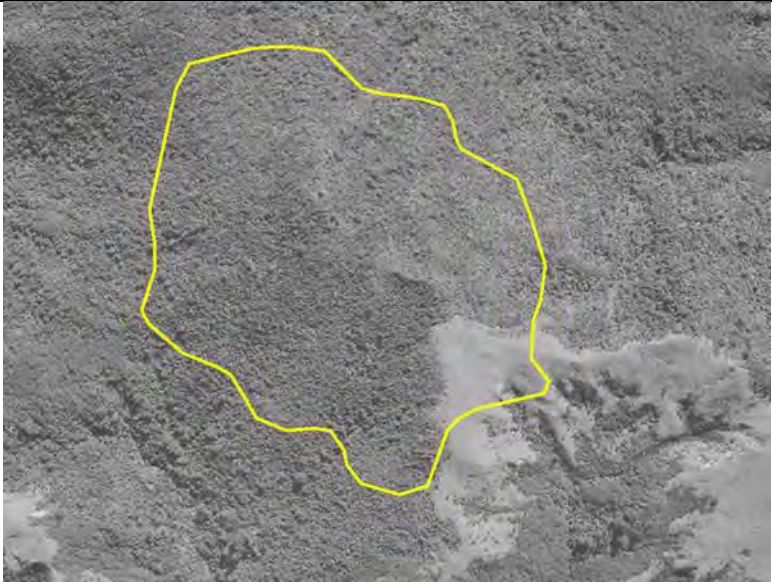
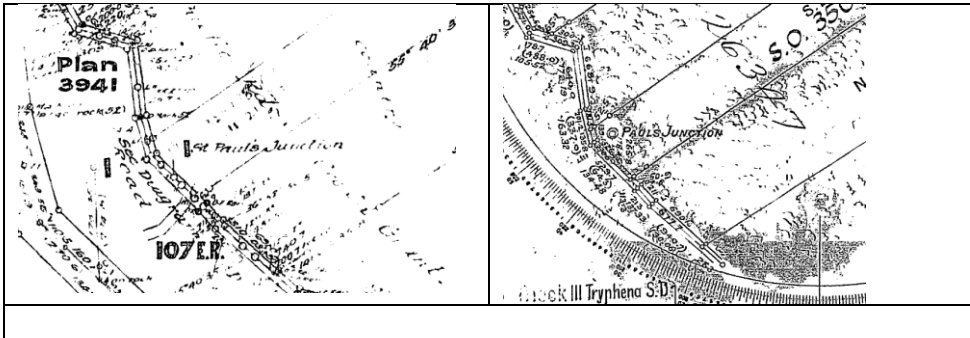


Summary of the documentary record for archaeological evidence associated with nominated extent of place

Archaeological sites have not been recorded in the nominated extent of place. The closest recorded sites to this nominated extent are approximately 0.5km to the north and west (respectively), on lower slopes (T09_256 Pit, T09_259 artefact find and S09_198 terrace). They are clearly related to the use of natural resources (stone). Within 2km and at lower contours, to both east and west of this location, the number of sites increases.

Tables	Table 1: Documentary archaeological evidence of Maori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area					
Table 4: Documentary archaeological evidence of Maori origin - nil						
CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
-	-	-	-	-	-	-
Table 5: Other historic heritage sites in the nominated area - nil						
CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images	
-	-	-	-	-	-	-
Table 6: Historic heritage sites adjacent to the nominated area						
Contour lines for Poutekorua indicate highest points are indicated (400m and 390m)(GeoMaps). SO/198 is located at the highest contour (200m). The next sites occur at 60m contour or lower.						
CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images	
23209	T09_256	-	Pits	Terraces, platform and partially filled pit or house floor (Prince 2020).	-	
23212	T09_259	-	Artefact find	Obsidian working area visible as numerous cores, flakes and shatter (Prince 2020). 256 and 259 probably related.	-	
22927	S09_198	-	Pits / terraces	Four terraces and 4-5 pits on a saddle between two rocky outcrops. Features first recorded in 2016, relocated in 2017 (Prince).	-	
8975	T09_056	-	Stone platform	Nearly a metre high, 4x2m in size, constructed on a natural terrace. Paritally collapsed due to stock damage (Butts & Fyfe 1978).	-	
7798	T09_059	-	Pits / terraces	Island Bay walkway. 2 rectangular pits and 6 terraces along a prominent ridge knoll for 50m (Prince 2020). First recorded by Butts & Fyfe in 1978.	-	
11940	S09_169	-	Ridge pā	Northwest of nominated area but only 1km away. One rectangular pit on a small	-	

				saddle and at least four more over the extent of the ridge. At the east end of the ridge is a ditch and bank 2x15x1.5m. deep. See S09_169 (identical). First reported in 1996 (Prince).	
12306	T09_162	-	Pā	Ridge pa northwest of nominated area but only 1km away from nominated extent. One rectangular pit on a small saddle and four more spread over the extent of the ridge. SRF reads similar to S09_169 and requires site visit to clarify if this is one site or two separate but close to each other. First reported in 1996 (Prince).	-
8893	T09_26	-	Māori horticulture	Northeast of nominated area and 2km away, comprised four parallel stone rows with 5 pits. First reported Butts & Fyffe 1978.	-
8983	T09_30	-	Māori horticulture	Northeast of nominated area and 2km away, 8 stone mounds of varying dimensions over an area of 30m ² . First located in 1978 by Butts & Fyffe, they note similar features across adjacent waterway.	-
Reference documents	<p>Department of Conservation. (2000). <i>Great Barrier Island Historic Heritage</i>. Unpublished fact sheet.</p> <p>Pawson, E. (2002). The Meanings of Mountains. In E. Pawson, & T. Brooking, <i>Environmental Histories of New Zealand</i> (pp. 137-139). Melbourne: Oxford University Press.</p> <p>LINZ cadastral mapping and https://linz.recollect.co.nz NZA A ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz</p>				
Appendices	<p>Appendix 1 NZAA forms Appendix 2 CHI forms Appendix 3 1960 aerial (cropped) Appendix 4 Historic cadastral plans Appendix 5 Field book 1143 of 1897 (Allom) Appendix 6 Field Book 233 of 1878 (J Barber Jnr)</p>				

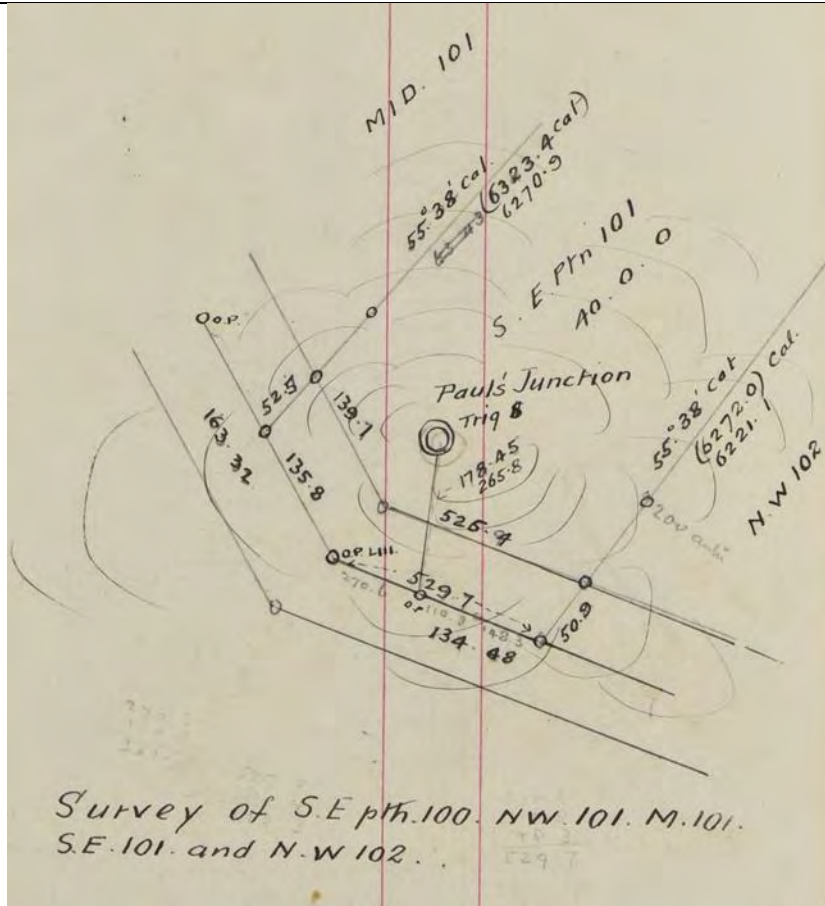
<p>Appendix 1 NZAA Forms</p>	
<p>Appendix 2 CHI Forms</p>	
<p>Appendix 3 1960 aerial (cropped) showing site extent for Poutekoruā.</p>	 <p><i>Figure 1: SN1283 or 20/4/1960 (Retrolens).</i></p>
<p>Appendix 4 Historic cadastral Plans</p>	<p>Early surveyors allocated the road to the eastern and southern sides of the high point; the place is referred to as St Paul's (SO26347) and Paul's Junction (SO11030). To date no documentary evidence for this name has been found, but it is a significant ridgeline area.⁵</p>  <p><i>Figure 2: Cropped images from cadastral plans (left) SO26347 of 1931 and SO11030 of 1897 showing the name applied to the nominated area.</i></p> <p>The two peaks, which feature in kōrero, are likely to be visible from some distance and confirm the nominated extent as a place of visual reference.</p>

⁵ CVA: HGIP: Significant ridgeline area, SEA (56-1), D10 (ONL).

**Appendix 5
Field book**

Field book 1143 page 47, of Albert G Allom and used during the survey on September 1st 1897.

This cropped portion shows the naming of the trig as Paul's Junction.




**Appendix 6
Field Book.**
J Barber Jnr
FB233 of
1878. On 6
March 1878
he surveyed
from Station C
(Gorringe)
southwards to
Bartley
(SE122) and
Smith
(NW118). This
page
(NA_0233-13)
shows this
location of
Smith's house.

March 6, 78 S. Throok

STATION C,

D	(XXXIX)	(XL)	(XLI)	FINAL
20 00 00	47 56 45	79 00	45 136 32 00	00
60 00 00	7 15	01 00	2 145	15
120 00 00	6 15	1 00	2 00	00
180 00 00	6 30	1 00	2 00	00
180 00 00	6 45	1 00	2 00	00
180 00 15	227 56 45	289 00	306 32 15	30
	7 00	30	2 45	00
07 2 10	47 56 43	79 00 52	126 32 13	25
	37 2 10	37 2 10	37 2 10	15
	84 58 53	116 3 2	163 34 23	15
	53	2	23	16=0"
07 2 10	84 58 53	116 3 2	163 34 23	


 947 01 10 15
 Smith's House
 on 947
 6/5 © XLI
 on 947

Summary of Archaeological Evidence –Ruahine MWH000200

Disclaimer

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Document status			
Name	Task	Date	Version
Rebecca Ramsay	Author	20/05/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2

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SRF	Site record form from ArchSite
Site ³	A place containing the remains of former human habitation; an excavation. ⁴


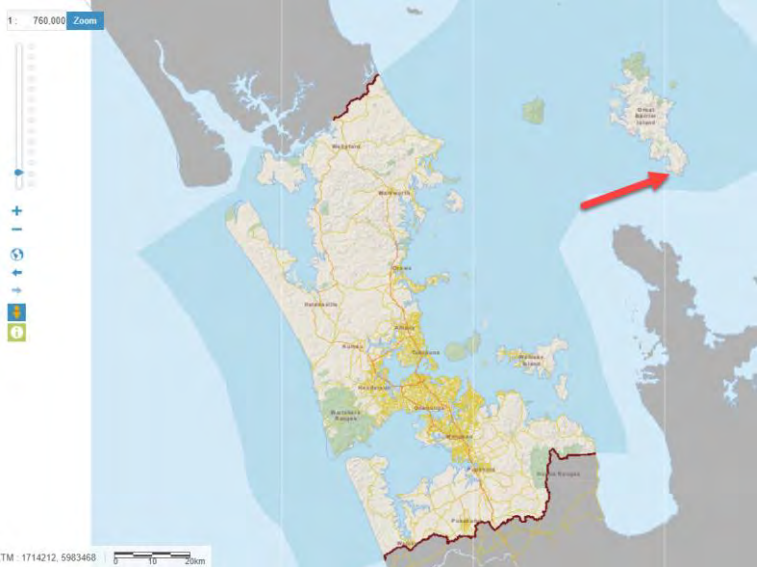
¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:

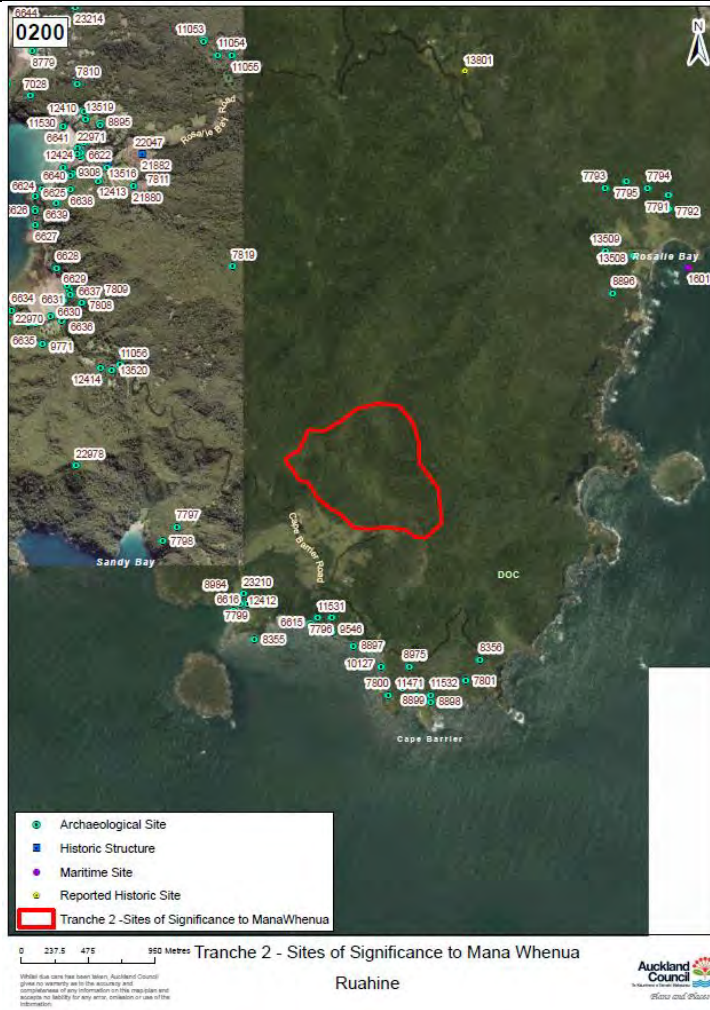
<https://www.heritage.org.nz/protecting-heritage/archaeology>

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

Name of Site	Ruahine
MWH number	MH000200
Address	ALLOTS NE39 SW47 AOTEA PARISH CAPE BARRIER ROAD GREAT BARRIER ISLAND 0991.
Land ownership	Private
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites (if any) (same as Aching's) 3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS 14/06/21). 4. NZAA map (AC GIS 8/06/21)
1. Regional location	
2. Map of scheduled sites	None

3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS 14/06/21)



4. NZAA map (AC GIS 8/06/21)



Summary of the documentary record for archaeological evidence associated with nominated extent of place

Archaeological sites have not been recorded in the nominated extent of place.
 The closest recorded site to this nominated extent is an adze quarry (CHI 7819, T09_131) and is approximately 1km north of the nominated extent.
 No archaeological evidence could be discerned from historic aerials or survey maps.

Tables

- Table 1: Documentary archaeological evidence of Maori origin**
- Table 2: Other historic heritage sites in the nominated area.**
- Table 3: Historic heritage sites adjacent to the nominated area**

Table 4: Documentary archaeological evidence of Maori origin

CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
-	-	-	-	-	-	-

Table 5: Other historic heritage sites in the nominated area.

CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
-	-	-	-	-	-

Table 6: Historic heritage sites adjacent to the nominated area

CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
6615	T09_62	-	Midden (shell)	A 0.10m thick midden is covered by 0.05m thick soil and is visible on the natural terrace behind the beach front in the form of intermittent scatterings (Butts & Fyffe 1978). Not relocated 2020 site visit (Prince).	-
6616	T09_64	-	Midden (shell)	20cm thick midden, 5m long, contains shellfish, fish bone, mammal bone, and charcoal. The exposed section is c. 5m long and eroding along foreshore. Frieswijk's boat shed now removed, probably protected it (Prince 2020).	-
7796	T09_57	-	Pits	Three partially infilled rectangular pits located on small natural terrace.	-
7797	T09_58	-	Pit	A single pit (3m x 2m x 200mm) visible on ridge knoll summit, with possible terracing adjacent.	-
7798	T09_59	-	Pits , terraces	Two (possibly 3) rectangular pits at least 3x2m towards the south end of the site, plus 6 terraces spread along a prominent ridge knoll for about 50m.	-
7799	T09_60	-	Pits plus possible ditch	Two pits that measure: (1) 12m x 2.5m, and (2) 4.0m x 2.5m. Possible ditch located upslope of the pit features (Butts & Fyffe 1978). 2020 update notes recent clearance of vegetation shows no evidence of pits or ditch, but records two terraces on frontal scarp off headland (Prince).	-
7800	T09_68	-	Pits	Possible infilled ditch at north and a number of poorly defined depressions, terraces and a platform spread out along headland for c.100m (Prince 2020). Most well-defined features at east end near seat. Difficult to	-

				differentiate pre-European Maori and 1950's Whangaparapara whaling lookout station. First recorded in 1978 by Butts & Fyfe.	
7801	T09_70	-	Pit	Single pit cut tranverse across ridge (Butts & Fyfe 1978). Relocated by Prince in 2020, noted as compromised by stock damage and regenerating bush adjacent to track.	-
8355	T09_61	--	?Pā. Pits and terraces	Site constructed on two high points separated by a short saddle. - eastern consists of at least ditch and bank defending, 9 pits, defensive terraces, lateral and transverse and lateral terracing and a large northern platform. To west across saddle is a 2nd ditch and bank, 5 terraces and central platform / tihi (Butts & Fyffe 1978, Prince 2020).	-
8356	T09_71	-	?Pā	Artificial terraces cut into a ridge in which are placed 17 pits. Main area of pā defended by transverse ditch and banks at north and south with pits, platform and terracing. Down the western spur are 4 terraces with pits, ends at the Ruahine Walkway (Prince 2020). In 1978 Butts & Fyffe described it as a transverse ditch (which) cuts the narrow part of the ridge and is reinforced with a stone wall on the downhill side. The most notable feature of this site is a circular pit with a raised circular area inside it.	-
8897	T09_65	-	Māori horticulture	Several interconnected circular and semi-circular structures on a 20x10m terrace (Butts & Fyffe 1978). Above the Johnson's Bay shoreline to west of stream. Under dense grass cover preventing defining of stone structures but able to determine surface rock is present (Prince 2020).	-
8898	T09_73	-	Māori horticulture	A stone wall measures 1.0m high in two sections, 6.0m long and 4.0m long. The area is	-

				heavily covered with stone and suggests that the wall is not a result of land clearance. It may be associated with T09/72.	
8899	T09_74	-	Māori horticulture	Two stone rows x 1 x stone high x sometimes 2 or 3 stones wide depending on the size of the stones. The rows are c. 1.0m apart. Total length c.10m.	-
8975	T09_56	-	Platform, stonework	Stone platform measures 4x2.5x 0.80m high. The eastern facing wall has been carefully constructed to form a neat compact wall. Other sides have collapsed b(Butts & Fyffe 1978).	-
8984	T09_81	-	Māori horticulture	A stone heap of 1x3x4m. One side is deflated, making it a "U" shape formation. This feature could be of European origin (Butts & Fyffe 1978). Unable to relocate in 2020 (Prince).	-
9546	T09_66	-	Historic domestic	A rectangular fireplace measures c. 0.50m x 0.30m and one rock high x one rock wide on each side. On a natural terrace on Johnson's Beach.	-
10127	T09_67	-	Artefact find	A clay pipe bowl with some of the stem intact was located in an eroding section of the beachfront bank (Butts & Fyffe 1978).	-
11471	T09_69	-	Pits / terraces	Four terraces about 3m wide and about 6m long (Butts & Fyffe 1978). Stone walls reinforced the faces of the terraces to a depth of c. 0.70m, but by 2020 some of these had collapsed (Prince).	-
11531	T09_63	-	Pits / terraces	Two stone faced terraces (stone alignments noted by Butts & Fyfe 1978 are recorded as Phillip's house site T09/191) measuring 8x3m and 15x3m, the latter with a 3m x 2m x 1m deep pit / depression at west extent. Unable to	-

				determine whether features are Maori or European.	
11532	T09_72	-	Burial / Cemetery	A number of rock shelters are located on this slope, with most containing shell, bird bone, mammal bone, and charcoal. Midden is usually covered by a few centimetres of leaves and humus. Some shelters have been fossicked almost totally destroying the evidence. Mr Les Todd removed two burials from a rock cleft and they were relocated to a cave at Mulberry Grove. The original site of those two burials was not relocated (Butts & Fyfe 1978).	-
12412	T09_191	-	Historic domestic	<p>Remains of Phillip's (of Johnson's) homestead spread over approx. 30 x 25m level area. A chimney, lines of rocks, plum trees, datura, tradescantia, tin bath, bast iron stove marked "No.0". Open drains and assorted rock foundations as shown on 1996 sketch (below, Sewell). Fruit and citrus trees have been recently been planted around site (Prince 2020).</p> <p><i>maps and drawings.) Sketch only - not to scale</i></p> <p>Key o Rock • Post</p>	
Reference documents			LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz		

Appendices	Appendix 1: NZAA ArchSite Site Record Forms Appendix 2: CHI Forms
Appendix 1: NZAA ArchSite Site Record Forms	
Appendix 2: CHI Forms	

Summary of Archaeological Evidence – Komahunga MWH000202

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Myfanwy Eaves	Author	14/06/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	03/03/23	3
Alex Jorgensen	Review	01/08/23	3
Leo Gallagher	Updated	01/10/23	Final

Definitions


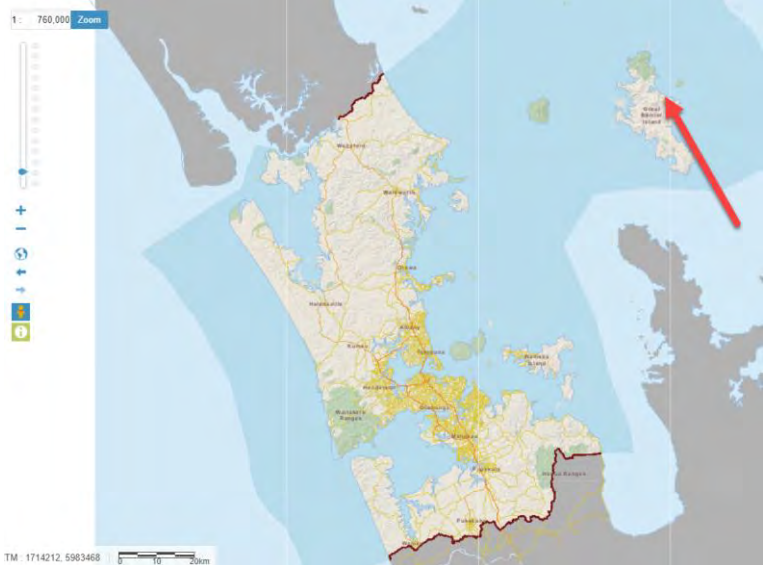
ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:


<https://www.heritage.org.nz/protecting-heritage/archaeology>

Site³ A place containing the remains of former human habitation; an excavation.⁴

Name of Site	Komahunga
MWH number	MWH000202
Address	270 Harataonga Road Great Barrier Island Auckland 0991; 984C Aotea Road Great Barrier Island Auckland 0991; SO 6739 Harataonga Road Great Barrier Island 0991; CMA
Land ownership	Public
MW map showing nominated area	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites 3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage. 4. NZAA map.
1. Regional location	

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

<p>2. Map of scheduled sites</p>	-
<p>3. Cultural Heritage Inventory sites (CHI) separated into archaeological and built heritage (AC GIS: 18/04/23)</p>	 <p>Tranche 2 - Sites of Significance to Mana Whenua Site Name - Komahunga Site ID - 0202</p> <p>While due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map and accepts no liability for any error, omission or use of the information.</p> <p>Tranche 2 - nominated sites extent</p> <p>CHI</p> <ul style="list-style-type: none"> ● Archaeological Site ● Historic Botanical Site ● Historic Structure ● Maori Heritage Area ● Maritime Site ● Reported Historic Site <p><small>Path: U:\CORP\F\CL\GIS\022\Utility Plan\Files Change\Sites of Significance\Tranche 2\1. Workspace\Tranche 2 -Map sites.aprx</small></p>

Tables	Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area
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Table 4: Documentary archaeological evidence of Māori origin

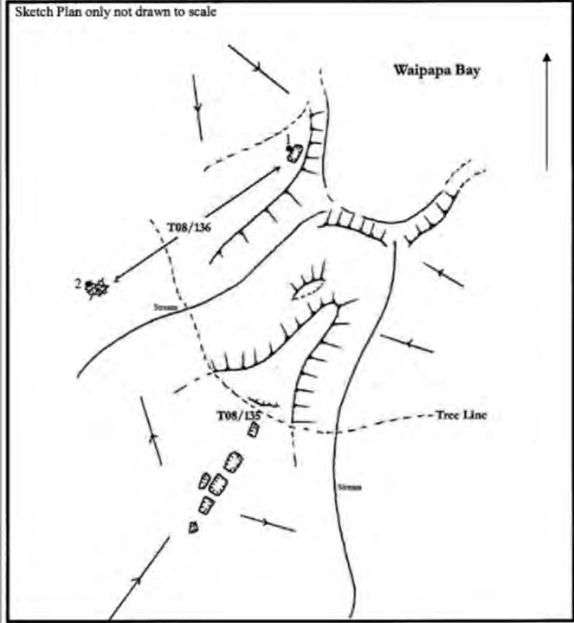
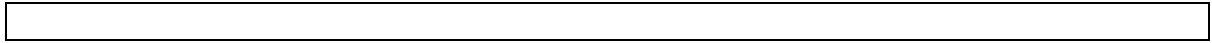

CHI	NZAA	HNZPT list Y/N	AU P ID	Site type	Description, condition, Source	Associated images
-	T08_147	-	-	-	A small pa defended on its landward side by two narrow (1-2m wide) transverse ditches and steep coastal cliffs to the east, north and west that drop to the sea. Pits and terraces line the interior narrow spur of the site over approximately 40m in length. An update to the site record form states that, while some feature still remain, the site is heavily eroded and much has been lost (Clough, 2021 (see SRF)).	-
17268	T08_136	-		Pit/Terrace	<p>Pit with a stacked stone mound (Dodd et al. 2006).</p>  <p>The sketch plan shows a coastal site with Waipapa Bay to the north. A dashed line indicates the 'Tree Line'. Two specific features are marked: T08/136, which is a pit with a stacked stone mound, and T08/135, another pit. The plan also shows various ditches and terraces along the landward side of the site. A north arrow is present in the top right corner.</p>	
17267	T08_135	-		Pit/Terrace	Six pits and one terrace (Dodd et al. 2006) (see above entry for site sketch).	

Table 5: Other historic heritage sites in the nominated area.

CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
-	T08_144	-	Historic - Domestic	Site of buildings and garden plots. Identified via 1893 survey plan SO 6739-S1.	Appendix 4.

Table 6: Historic heritage sites adjacent to the nominated area





CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source	Associated images
6957	S08/1	-	Pa	<p data-bbox="628 309 1374 622">Large ridge Pa in a prominent position ~1km to the west of the nominated extent. 5 – 6 large terraces are easily observed, with smaller ones observed running throughout them. The largest of the scarps associated with these terraces is 4m. A large platform is also positioned on the summit, as well as six storage pits were also recorded at the summit. Shell scatter recorded throughout. A ditch is positioned below the lowest terrace (Coster, Johnston & Phillips, 1973). See Appendix 7 for this site visualized through LiDAR imagery.</p>  <p data-bbox="628 1429 1342 1487"><i>Figure 2: S08/1 as it appears in 1960's aerial imagery. Retrolens SN1283 Crown_1283_3082</i></p>	

6958	S08/14	Pa		<p>A ridge Pa located ~1.5km to the west of the nominated extent. This site consists of a cluster of pits protected by a single transverse ditch (Coster, Johnston & Phillips, 1975). See Appendix 7 for this site visualized through LiDAR imagery.</p>

Figure 3: Site sketch plan of SO8/1. From SO8/1 SRF.

Figure 4: Site sketch plan of SO8/14. From SO8/14 SRF)

				 <p><i>Figure 5 SO8/14 as it appears in 1960's aerial imagery. Retrolens SN1283 Crown_1283_3082.</i></p>
-	T08/14 6		Pits	<p>Four pits recorded by Kim Tatton in 1993 measuring:</p> <ol style="list-style-type: none"> 1. 4.5m x 1.5m x 0.3m deep 2. 2.5m x 1m x 0.3m deep 3. 2,5m x 1m x 0.3m deep 4. 1.5m x 1m x 0.3m deep <p>Subsequent visit in 2021 revealed most features still intact, though minor loss of definition.</p>
Reference documents		<p>LINZ Cadastral Index – Institute of Cadastral Surveying Inc.</p> <p>Tatton, K, 1994, <i>Aotea: nga unahi me nga taratara o Te Ika roa a Maui. The scales and spines of Maui's fish: the settlement archaeology of Aotea</i>. MA Anthropology thesis, University of Auckland.</p> <p>LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz</p>		
Appendices		<p>Appendix 1 NZAA Forms Appendix 2 CHI Forms Appendix 3 1960 aerial SN1283 Crown_1283_3082_Retrolens Appendix 4 Portion of 1893 cadastral, SO6739 Appendix 5 Historic Title from land showing 'Gardens' on SO6739 Appendix 6 Additional sites beyond the extent of place</p>		

<p>Appendix 1 NZAA Forms</p>	<p>\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\8. Komahunga\ArchSite</p>
<p>Appendix 2 CHI Forms</p>	<p>\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\8. Komahunga\CHI</p>
<p>Appendix 4 Portion of 1893 cadastral, SO6739⁵, showing Pit sites T08_136 and 135 lower right. Areas marked "Garden" in red. Nominated site extent shown in yellow.</p>	
<p>Appendix 5 NA16/292 - Historic Title from land showing 'Gardens' on SO6739 (overleaf)</p>	

⁵ Unfortunately, the field books for Allom's survey of 1893 (FB903;34) are missing. Appendix 5 shows the title for the land in 1893.

Grant under the Auckland Waste Lands Act 1867

Victoria, by the Grace of God, of the United Kingdom of Great Britain and Ireland, Queen:

TO ALL to whom these Presents shall come, Greeting:

Know Ye that, for good considerations Us therunto moving, We, for Us, our Heirs and Successors, do hereby Grant unto John Springall of the Great Barrington and Harmer

His Heirs and Assigns, All that Parcel of Land in our Province of District of Auckland in our Colony of New Zealand, containing by admeasurement Eighty (80) acres more or less situated in the Parish of Harakouga



in the Tryphena Survey District and being Northern portion of Allotment number seven (7) Bounded towards the North and North-East by the Sea four thousand (4000) feet towards the East by a line two thousand two hundred and forty eight (2248) links towards the South by other portion of Allotment number seven (7) two thousand six hundred (2600) links and towards the West by a line four thousand one hundred and nine links be all the aforesaid linkages more or less Excepting so much and such part of the land hereinafore described as may be necessary for the making of a road or roads in through or over the said piece or parcels of land or any part thereof provided however that the total quantity of land to be taken therefor shall not be more than three (3)



Scale: 30 chains to an inch.

Surveyed by F. Hunter.

G. PERCY SMITH, Chief Surveyor.

John Springall


As the same is delineated on the Plan drawn in the margin hereof, WITH all the Rights and Appurtenances thereto belonging: To hold unto the said John Springall His Heirs and Assigns, for ever, as from the sixteenth day of August One thousand eight hundred and seventy one.

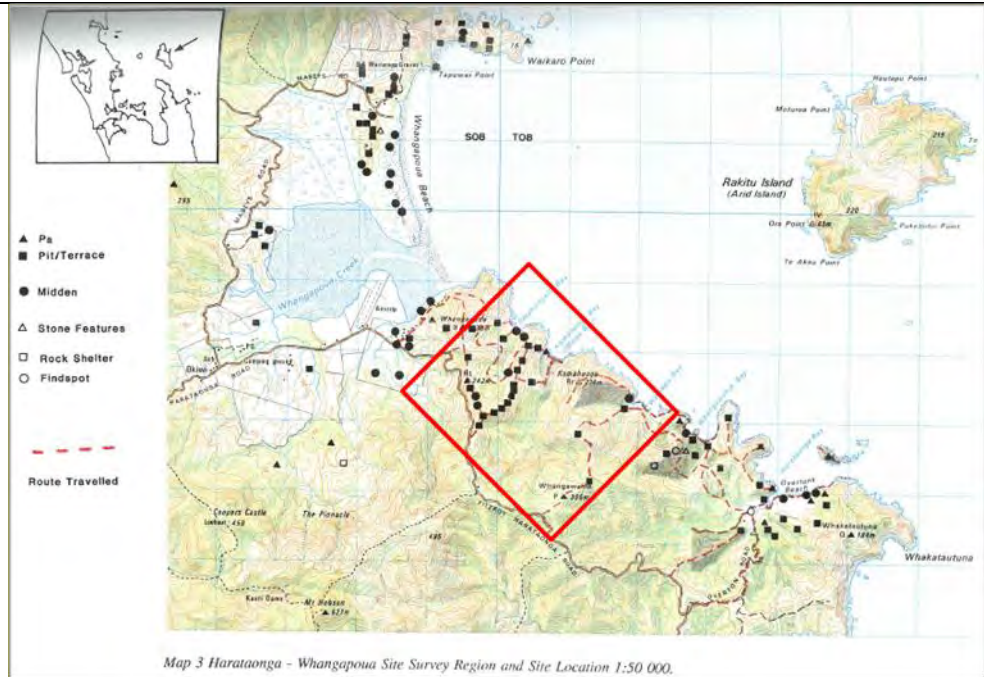
In testimony whereof We have caused this our GRANT to be sealed with the Seal of our Colony of New Zealand.

Witness our Trusty and Well-beloved Sir Hercules George Robert Robinson, Knight Grand Cross of Our Most Distinguished Order of Saint Michael and Saint George Governor and Commander-in-Chief in and over the Colony of New Zealand, at Council Chamber, this 15th day of August 1871 in the twenty third year of our Reign, and in the year of our Lord One thousand eight hundred and seventy one.

No. 1992
Rep. 20
19920

Hercules Robinson

	<p style="text-align: right;">DUPLICATE DESTROYED 05/12/14</p> <p>Mortgage No. 1301 from John Springall with interest to George Brown of Bank of New Zealand & Mercantile Agency, produced on the 19th day of January 1901 at 11.34 a.m.</p> <p>Transfer No. 26236 on sale in default under Mortgage No. 1301 from George Brown to James Fox & Co. of Great Barrington Island, produced at the 20th March 1901 at 11.34 a.m.</p> <p><i>Edward Bamford</i> Solicitor (as before).</p> <p>L. 2863. The abovesaid James Fox & Co. who called Bernard de Lencastre in the 3rd day of May 1901 and an election to administer the property of the said deceased was filed by the Public Trustee in the Supreme Court at Wellington on the 7th day of June 1901 as appears by a certificate under the hand and seal of the Public Trustee dated the 16th October 1901. Entered the 23rd October 1901 at 11 a.m.</p> <p><i>Edward Bamford</i> Solicitor</p> <p>Transfer No. 22987 from the Public Trustee to William Sanderson of Ohuwi, Great Barrier Island, Eastern produced the 24th July 1902 at 2.47 p.m.</p> <p><i>Edward Bamford</i> Solicitor</p> <p>Mortgage of 2005 William Sanderson to Edward Fox & Co. produced the 27th Oct 1902 at 11.22 a.m.</p> <p>15415 William Sanderson 17th December 1902 and Administration of the estate of George Augustus Sanderson of Ohuwi Island Great Barrier Island 20th March 1904 checked</p> <p>18695 Proclamation proclaiming part of within lands as a road, produced by paper of 1902 at 11.22 a.m.</p> <p>Cancelled and 69 20/502 issued <i>Edward Bamford</i></p> <p>See D 26</p> <p style="text-align: right;">LB</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">  <p>Entered at 2.40 o'clock on the August 1899.</p> <p>DATED 5th August 1899</p> <p>80 a. 0 r. 0 p. Registration District of Auckland Grant</p> <p><i>John Springall</i></p> <p>ENTERED in Reg. No. 135 Folio 186</p> <p>ENTERED on Record this day of _____ 1899</p> <p>Reg. No. _____ Folio _____</p> <p><i>John Springall</i> REGISTRAR OF LAND</p> </div>
<p>Appendix 6</p> <p>More sites beyond the extent of place</p>	<p>There are more sites outside the nominated extent, recorded and unrecorded, and to the north and south and beyond those in Table 3.</p> <p>The NZAA archaeological record for the area surrounding the nominated extent is incomplete – both the CHI and ArchSite have an apparent gap between Waipapa Bay south of the nominated extent, and the Omahungaiti in the north. This area was surveyed by Kim Tatton, though the records have never been submitted to any databases. The details of this survey are detailed in their 1994 thesis, and are discussed below.</p>



Map 3 Harataonga - Whangapoua Site Survey Region and Site Location 1:50 000.

Figure 6: Plan of area surveyed in 1992-3 and sites recorded (1994:69).

Comparing the land between Waipapa and Omahungaiti, there are four sites recorded in the CHI and ArchSite (see below), but this same area in Tatton's survey shows 30 sites (Figure 2), a significantly higher number than in the NZAA database.



Figure 7: NZAA database showing recorded sites in the same area Tatton surveyed in 1994.

Sites recorded from Waipapa to Harataonga Bay (south of nominated extent)

Between Waipapa Bay and Harataonga Bay (see **Error! Reference source not found.2**) include four pā sites and a combination of ten pit and /or terrace sites – all indicative of occupation and horticulture. There are identified archaeological landscapes even further east, at greater distance so not included.

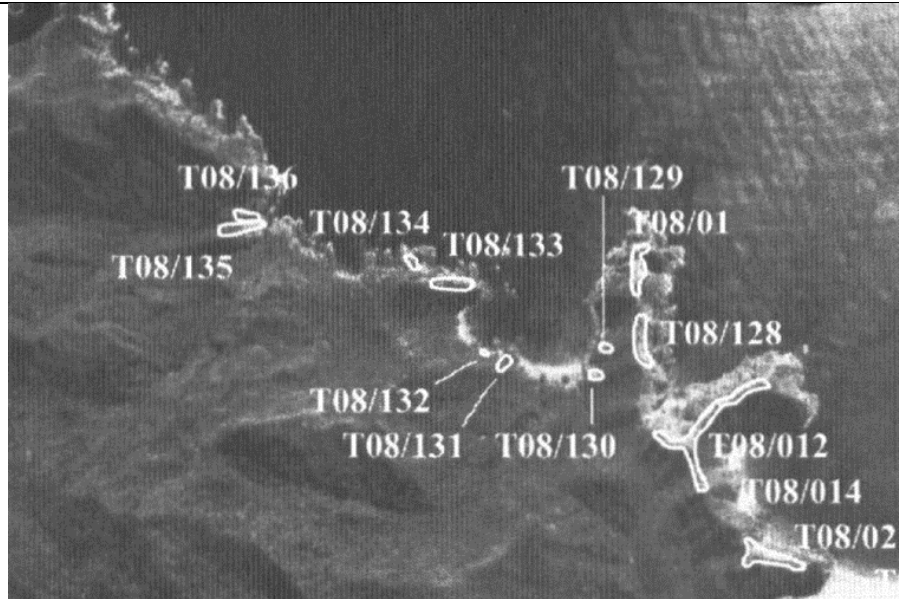


Figure 8: Cropped site map of archaeological sites from Waipapa Bay to Harataonga Bay, south east of the nominated extent. (Dodd 2006)

Waipapa Bay to Omahungaiti Bay (north of nominated extent)

ArchSite records two sites in this area, which extends from Waipapa north to Omahungaiti Bay and inland to Aotea Road. These sites are a midden (S08_2) adjacent to Aotea Road, and a pit site (S08_18) approximately 800m to the north of S08_2. Both appear to have been recorded by Tatton.⁶



Figure 9: Cropped copy of Tatton's survey map (1994). The sites within the red square are discussed in the Waipapa-Omahungaiti Bay area. Only two of these are recorded in ArchSite.

This area lacks detailed records on ArchSite but again Tatton's thesis (Figure 5) shows a large number were recorded here during Tatton's survey; some 20 pit / terrace sites, 5 midden sites and 3 pā. Of the three pā, the first is located at the northwest end of Komahunga Bay, the second is inland adjacent to Aotea Road (at an elevation of 242m) and the third, also inland, approximately 1.6km south

	<p>of Komahunga Peak at 365m.⁷ No specific details are provided by Tatton about these sites.</p> <p>To the west of the stream leading to Komahunga Bay is a ridge line where pit sites are visible on the 1960 aerial (Appendix 3). Some of these pits are not recorded in the ArchSite but make up part of a long line of pits recorded by Tatton which run down the ridge from Komahunga Bay and bank up along the ridge adjacent to Aotea Road. The 2011 aerial imagery shows these are covered in regenerating bush therefore a site visit will be needed to confirm locations and condition.</p> <p>In summary, Tatton’s thesis indicates the likelihood of more sites from Omahungaiti Bay to Harataonga Bay. Due to vegetation growth and erosion aerial imagery is not considered a reliable source of definitive information on the presence or absence of sites in this specific location; this area needs to be re-surveyed.</p>
<p>Appendix 7: LiDAR survey.</p>	<p>The LiDAR data used in this survey relies on a digital elevation model (DEM) that can expose features such as kumara pits, ditches and terraces in the landscape. Other archaeological sites such as middens cannot be identified via lidar. The LiDAR data that is available has a resolution of 1 metre, meaning that more subtle archaeological features may not be visible.</p> <p>Where unidentified sites are concerned, LiDAR is effective at quickly identifying suspicious features in the landscape, though needs to be used in conjunction with ground surveying to accurately make a final determination as to whether identified points of interest are archaeological or not.</p> <p><u>Supporting Tatton’s recorded features:</u></p> <p>LiDAR survey can reveal several archaeological features that correspond to those identified by Tatton’s thesis described above. This is particularly helpful where features are only briefly described.</p>

⁶ As per the site map compared to the current site locations on Geomaps

⁷ Noted on Tatton’s map as Whangawahia.

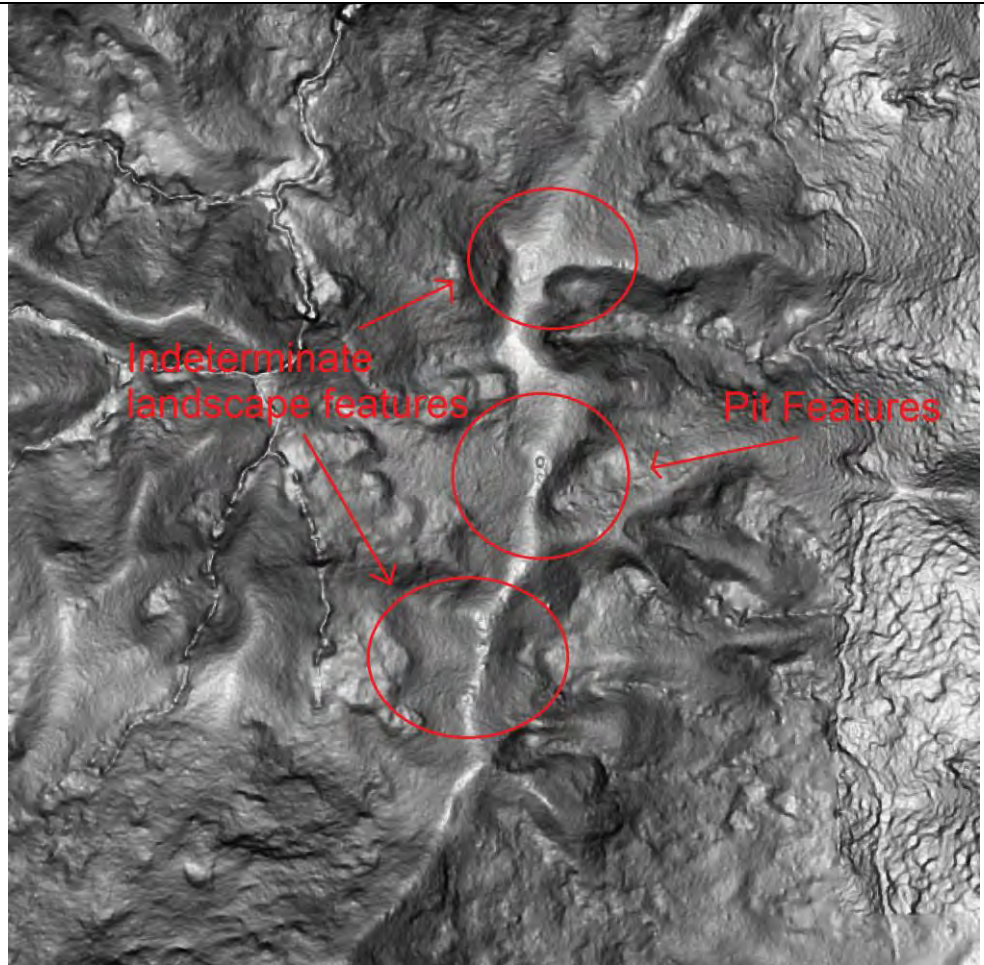


Figure 10: Landscape features corresponding to Tatton's 1994 field survey.

Figure 10 exhibits prominent pit features that align with Tatton's 1994 Field survey. The 'indeterminate landscape features' represent suspicious features in the landscape, though aren't defined enough to make an identification. This is not uncommon where thick vegetation obscures feature definition and/or in cases where features are subtly defined in the landscape to begin with. Figure 11 indicates where in Tatton's 1994 field survey they above image covers.

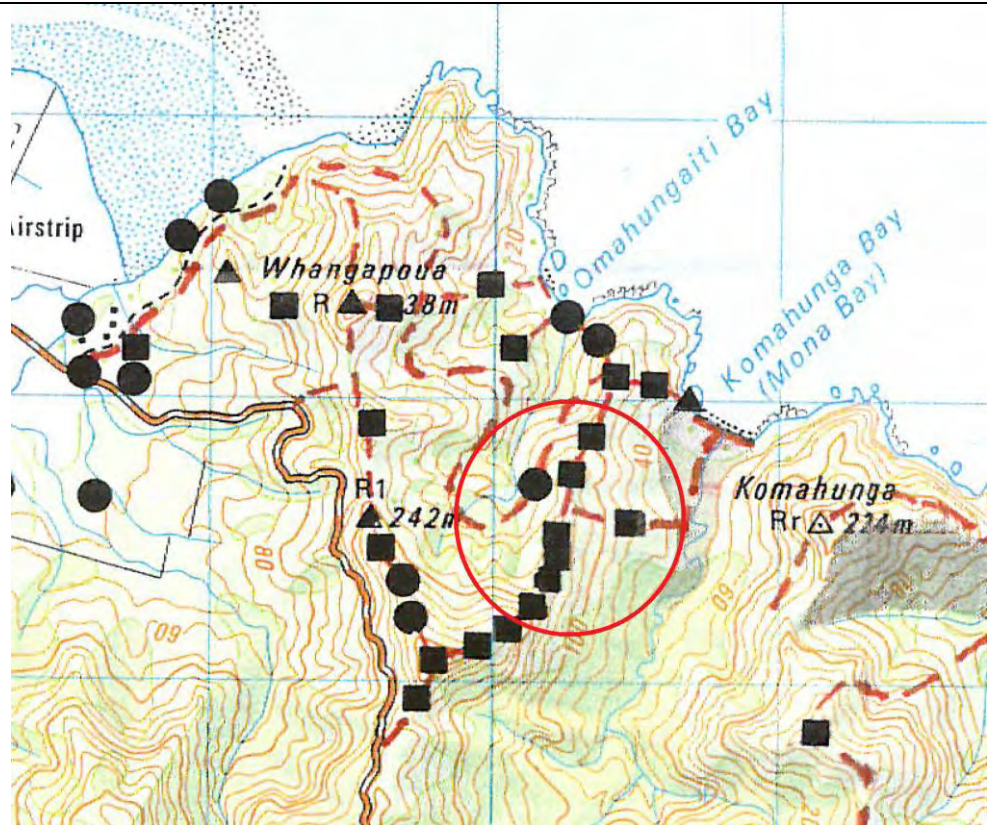


Figure 11: Area covered by LiDAR survey.

Recorded sites as shown through LiDAR survey:

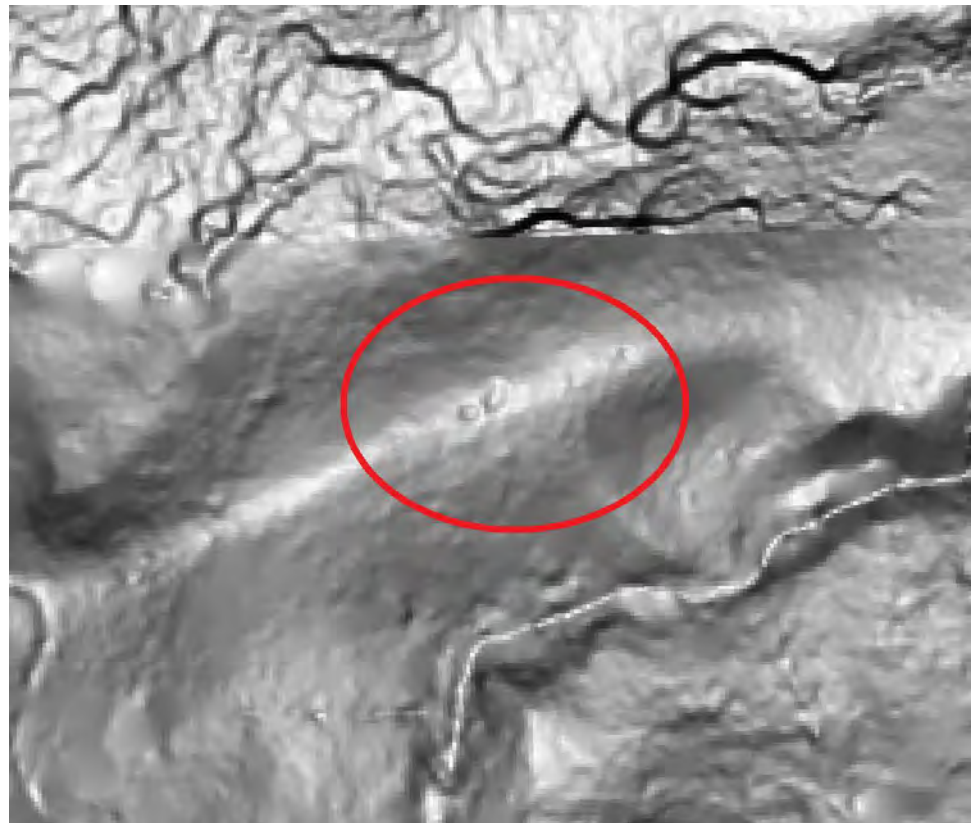


Figure 12: Slope map showing pit features associated with TO8/135

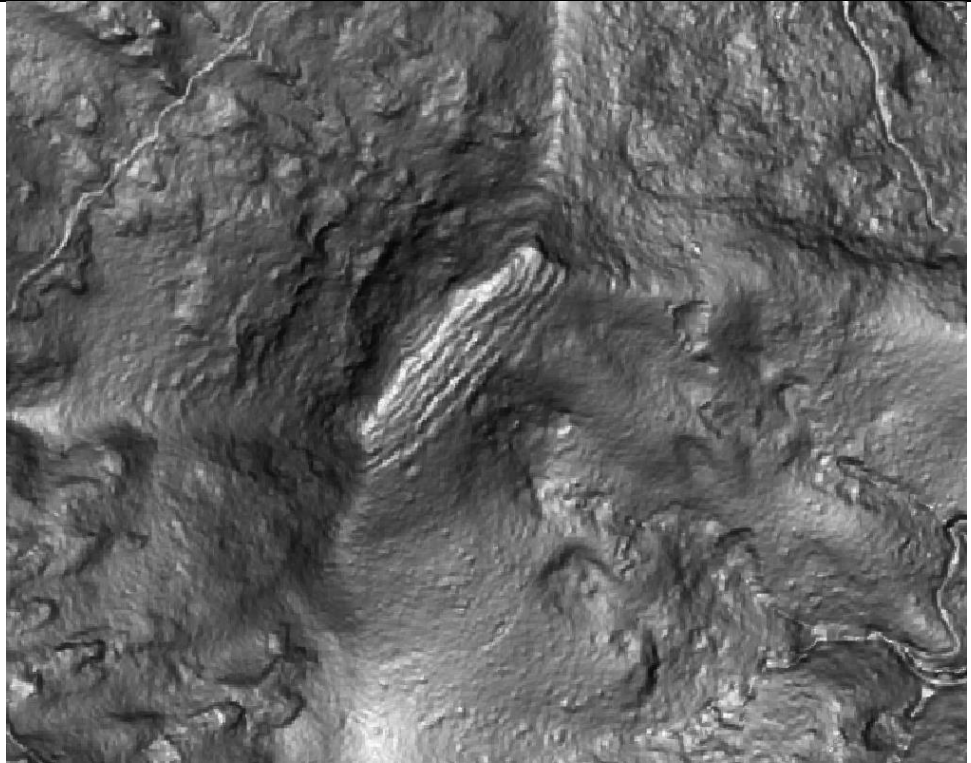


Figure 13: Slope map of SO8/1 showing prominent terracing on the south-eastern portion of the site.

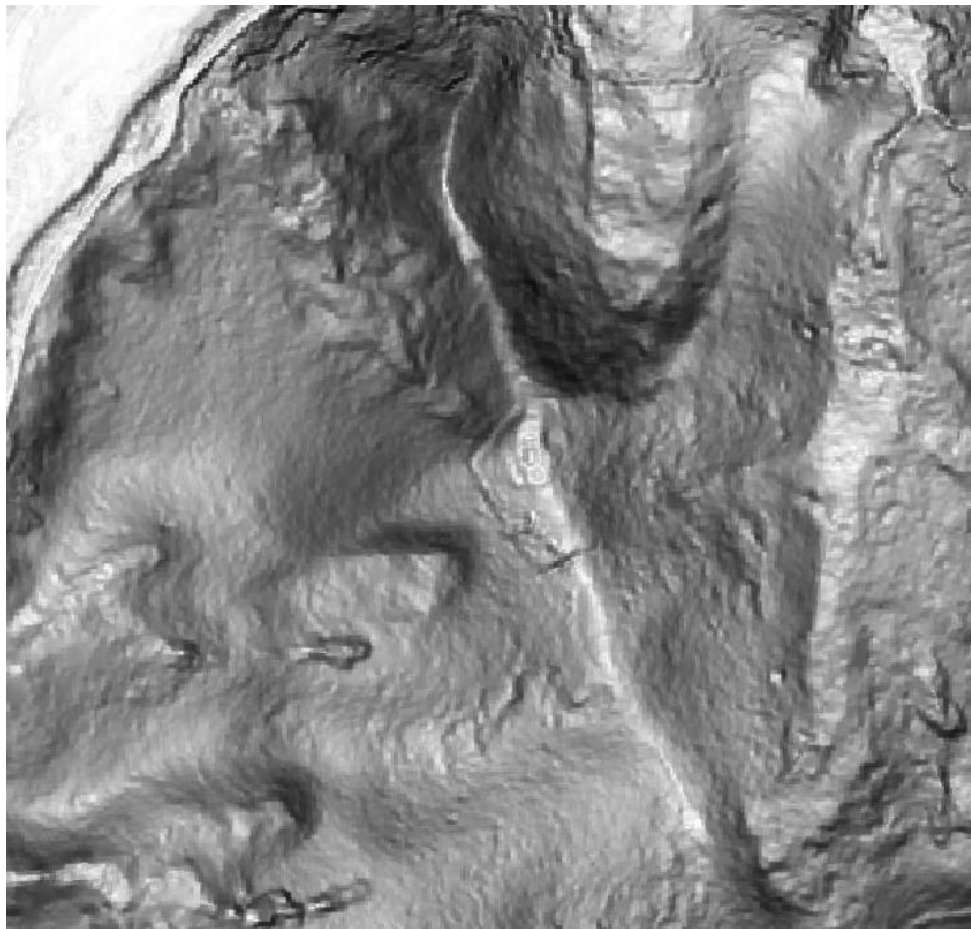


Figure 14: Slope map of SO8/14, showing a ring-ditch encircling storage pits.

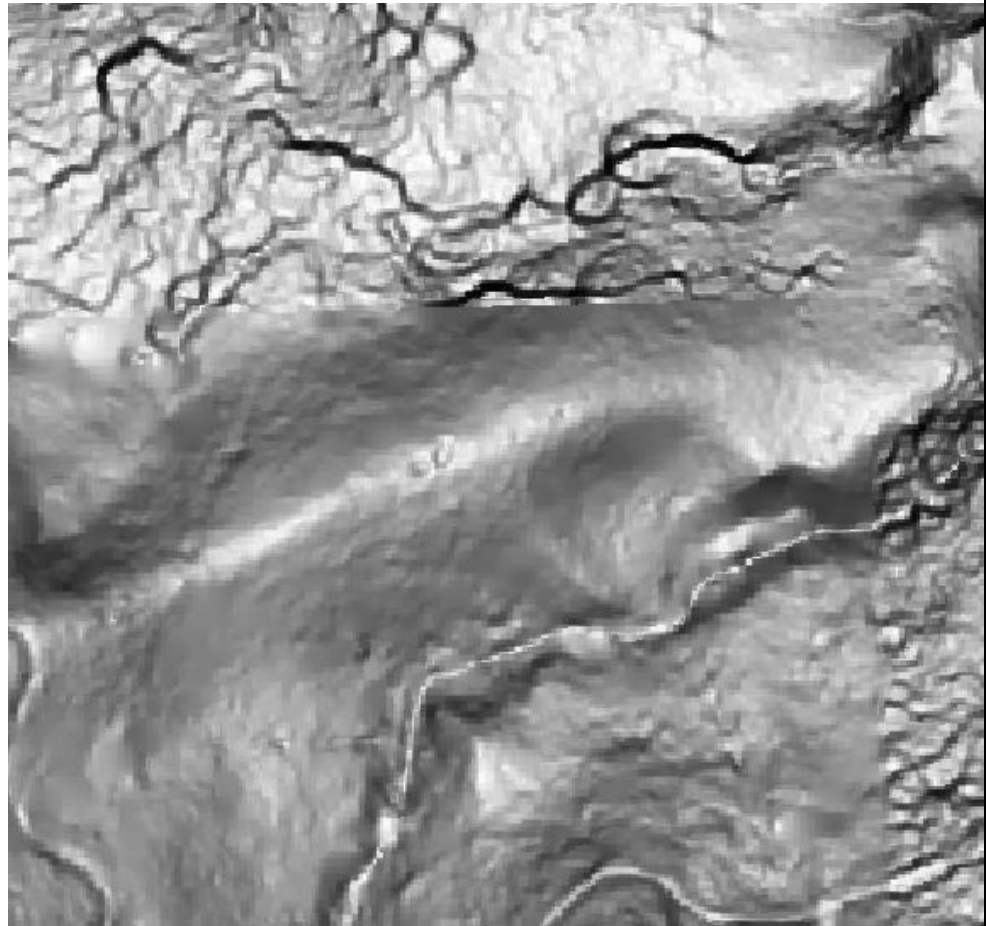


Figure 15 Slope map of T08/135 showing pit features.

Summary of Archaeological Evidence – Korotiti MWH000203

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Myfanwy Eaves	Author	24/06/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	27/03/23	3
Alex Jorgensen	Review	01/08/23	3
Leo Gallagher	Updated	01/10/23	Final

Definitions


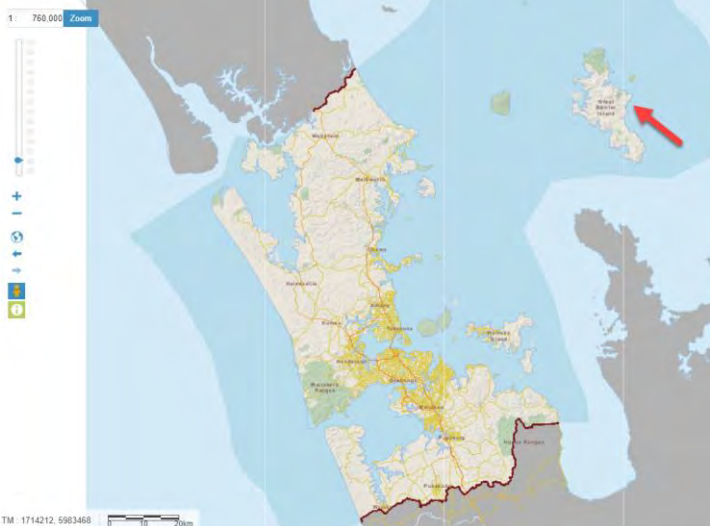
ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:
<https://www.heritage.org.nz/protecting-heritage/archaeology>

Site³

A place containing the remains of former human habitation; an excavation.⁴

Name of Site	Korotiti
MWH number	MW000203
Address	270 Harataonga Road Great Barrier Island Auckland 0991; Parish AOTEA Aotea Road Great Barrier Island 0991; CMA
Land ownership	Both public and private
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites 3. CHI map 4. NZAA map
1. Regional location	

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

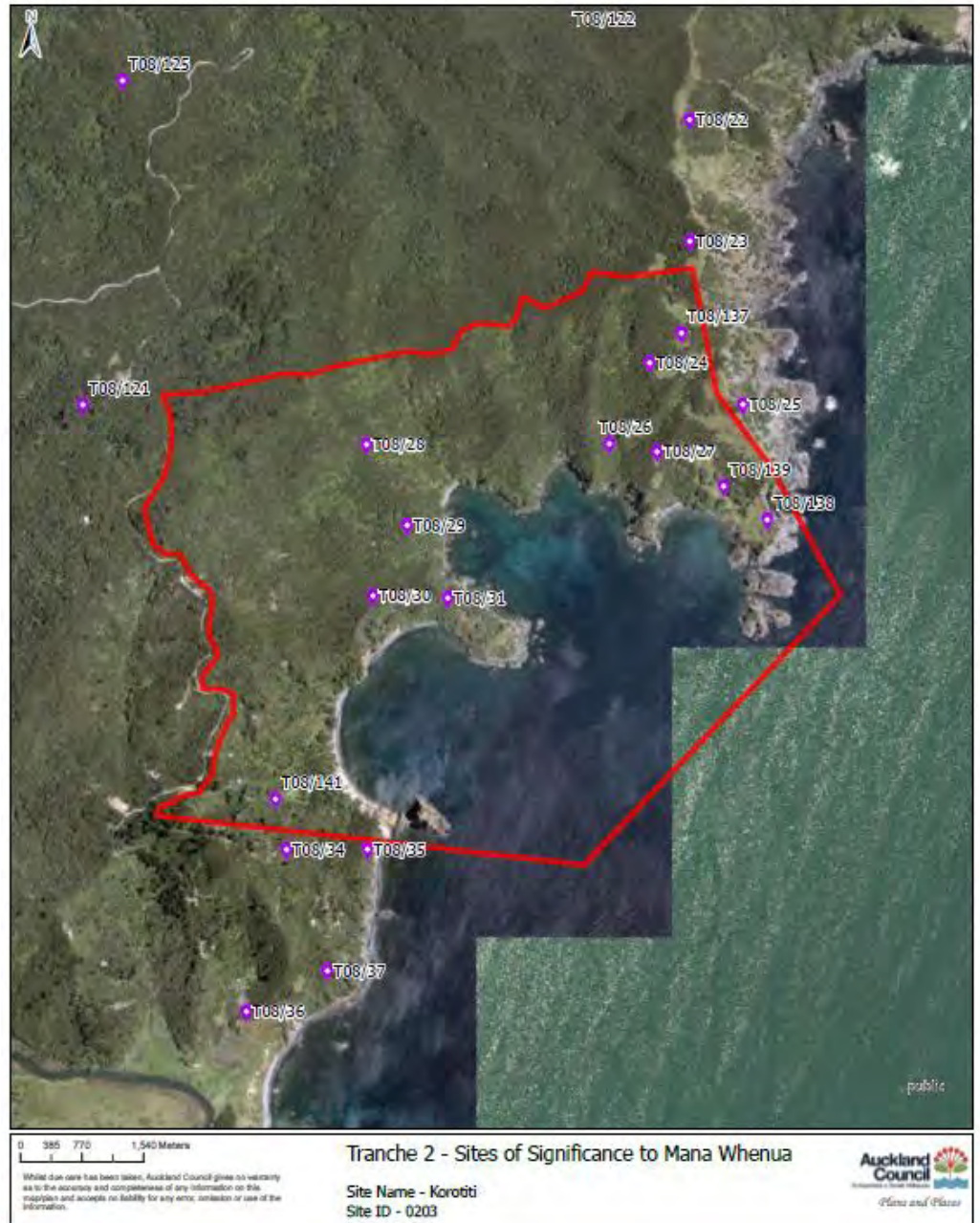
2. Map of scheduled sites

-

3. CHI map separated into archaeological and built heritage.
(AC GIS: 18/04/23)



4. NZAA map. (AC GIS: 18/04/23)



- Tranche 2 - nominated sites extent
- 📍 NZ Archaeological Association (NZAA) Archaeological Sites

Summary of the documentary record for archaeological evidence associated with nominated extent of place.

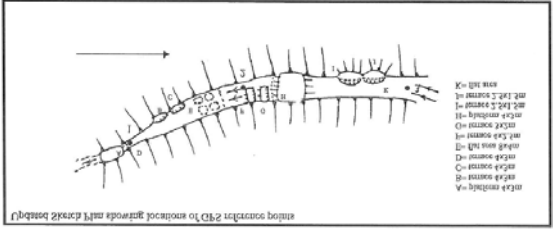
Numerous archaeological sites have been recorded in and around the nominated extent of place. These primarily consist of features associated with Māori horticulture. Specifically, multiple groups of pits and terraces have been identified in several locations throughout the nominated extent, as well as stone working in the form of stone facing on terraces and stone alignments.

Immediately to the south of the nominated extent are several burials in caves overlooking red bluff. The location of these burials as displayed in the maps above is approximate only.

	Several middens are also located within the nominated extent, though these are not described in any great detail in their associated site record forms.
Tables	Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area

Table 4: Documentary archaeological evidence of Māori origin

The following table indicates this is a significant landscape of strategic importance. Elevated areas have been modified for various uses that reflect ongoing use and habitation of both coastal and forest resources. Appendices 3.3 and 5.2 provide aerial interpretation of proximity.

CHI	NZAA	HNZPT	AUP ID	Site type	Description, condition, Source	Associated images
8336	T08_24	-	-	Pit/terrace	Terraces on slope below large boulders, pits on small knoll. (?Possible duplication of T08_137.) Coster, Johnston and Phillips 1975 recorded but not surveyed by Gedson & Carley 2006.	See Appendix 3.1.
9759	T08_26	-	-	Pit/terrace and midden	On a small spur west of T08_25 and north of T08_27. Coster, Johnston and Phillips (1975).	See Appendix 3.1,3.2,3.3
9760	T08_27	-	-	Pit/terrace	Site on N-S ridge and comprised of a number of pits and terraces. Midden previously located here. Gedson & Carley 2006 update: 	
8887	T08_28	-	-	Māori horticulture	Stone structures – these include a stone alignment 10m long, multiple stone heaps and at least one stone-faced terrace, all near a small stream (Coster et al 1975). Not surveyed in 2006.	
8337	T08_29	-	-	Pits, terraces and stone structures.	Not surveyed in 2006. Coster et al recorded the following in 1975:	

8888	T08_30	-	-	Māori horticulture	<p>Terraces with stone fronts and alignments over and area of c50 x 25m. (Coster et al 1975). Gedson & Carley relocated 2006.</p> <p>Features</p> <ul style="list-style-type: none"> T1 terrace 29 x 9m T2 terrace 23 x 7m T3 terrace 17 x 6m a, d, e stone heap 2m diam. b scatter of stones including 2 stone heaps 3 x 1.5m, and 2 x 2m. c stone platform 3.4 x 1.3 x 0.3m. <p>Terrace/Stone Structures, Site N30/81, Area A Korotiti Bay, Great Barrier Island. Grid ref: NZMS1, N30831, 985408 Scale 1:400 Method: compass, pacing ep/3e'75</p>	
9761	T08_31	-	-	Pit, terrace, midden	<p>Terraces on a narrow headland that juts into southern Korotiti Bay. Scattered midden and rock slab with ochre. Coster et al 1975, Gedson et al. relocated in 2006.</p>	Appendix 4

9967	T08_34	-	-	Midden (shell), terraces, burials, trees, indigenous.	Located in Basin overlooking Red Bluff and the headland at southern end of Korotiti Bay. Four areas contained within the site; A: Small caves with human bones and a midden. B: A small midden in the valley below site T08_35. Record notes additional caves may be located here. C: Possible stone faced terrace measuring 10m x 3m. D: 20m x 10m terrace.	
8338	T08_35	-	-	Pits, terraces, depression.	Located at the top of red bluff. Large south-west facing terrace with three pits. Second terrace to the east. Additional depression northwards of second terrace.	
17270	T08_138	-	-	Terraces	Series of terraces on steep western side of a narrow peninsula (Coster et al 1975, Gedson & Carley relocated in 2006.) <div data-bbox="847 1093 1385 1592" data-label="Diagram"> <p>Sketch Plan</p> </div>	
17269	T08_137	-	-	Terrace	Three terraces, possibly more, first recorded by Gedson & Carley in 2006. <div data-bbox="847 1599 1385 2027" data-label="Diagram"> <p>Sketch Plan showing locations of GPS reference points</p> </div>	

17271	T08_139	-	-	Terraces and pit / house floors	A series of terraces and house floors / pits down a ridge that is parallel to the beach. First recorded by Gedson & Carley in 2006.
22969	T08_141			Midden/Oven	2m in length shell midden exposed in track cut at the northern flank of Matawhero point.

Table 5: Other historic heritage sites in the nominated area.

CHI	NZAA	HNZPT	Site type	Description, condition, Source	Associated images
486	Unrecorded archaeological site HNZPTA 2014 s6	-	Shipwreck	Wreck of the ketch <i>Zillah</i> . It ran onto rocks between Stony and Korotiti Bays on the 2nd of June 1889, with the loss of life of two of the sailors. ⁵	-
16557	Unrecorded archaeological site HNZPTA 2014 s6	-	Burial site	Reported graves / cairn ⁶ for two sailors from the ketch <i>Zillah</i> .	-

Table 6: Historic heritage sites adjacent to the nominated area (below)

The area of Awana Bay and Awana Stream to the south of Korotiti Bay is a rich archaeological landscape and a significant pā at the mouth of the Awana Stream (see Maps 3 & 4 above).

To the north of Korotiti Bay is Harataonga Bay and, like Awana Bay to the south, it is an archaeological landscape reflective of gardening and marine resource gathering. Of the 23 recorded archaeological sites (Maps 3 & 4) the majority are Māori and four are pā sites. The rest are potential gardening sites (terraces, drains, pits) (see also Appendix 5).

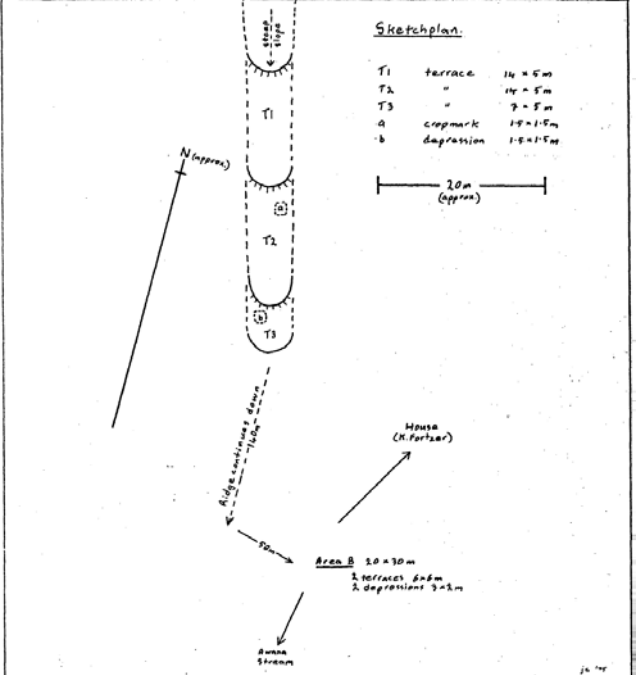
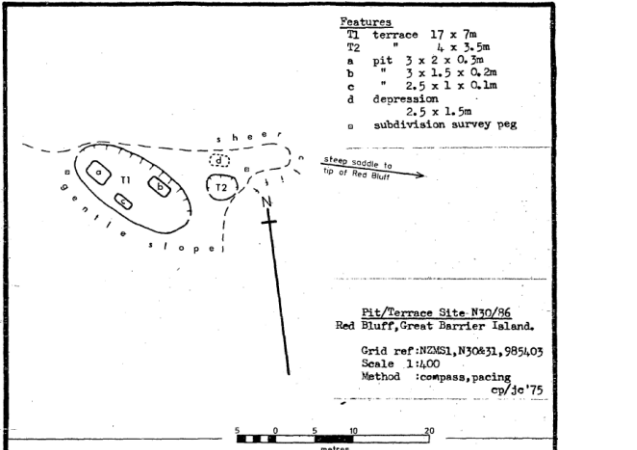
There are at least 31 archaeological sites in the Awana Bay area of which 13 are Māori in origin. Māori sites continue to reflect horticultural land use, with a significant portion of the sites containing a combination of at least pits, terraces, or stonework. The remaining sites are midden, burials and Awana Pā (T08_8) at the mouth of the Awana River (approximately 2km south of nominated area).

The following table shows sites within 1km of the nominated extent of place.

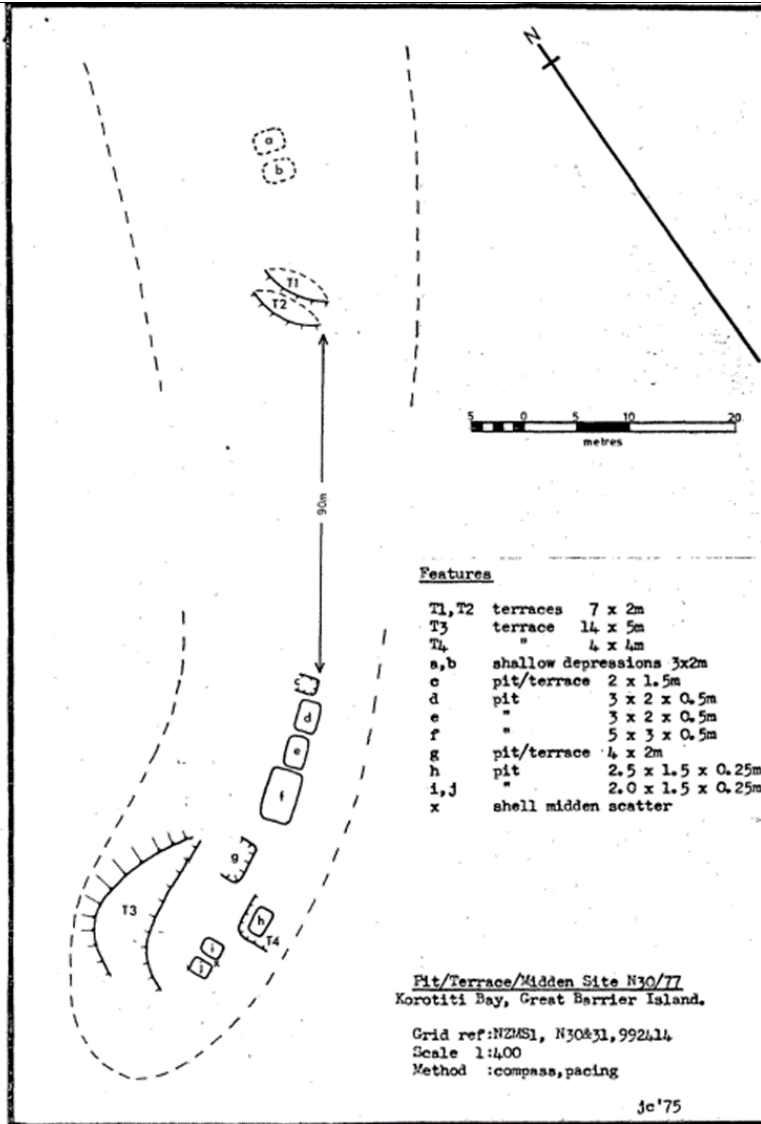
⁵ The *Zillah* sank on 2 June on route from Tauranga to Tryphena. Five were on board, the three survivors taken to Auckland. *Evening Star* 11 June 1889 page 2 (Papers Past).

⁶ Auckland Star, 21 June 1889 page 3(Papers Past).

CHI	NZAA	HNZPT	Site type	Description, condition, Source	Associated images
7782	T08_25	-	Pit/terrace	Pits appear to follow coastal ridge and recorded as areas A, B and C (Coster, Johnston and Phillips (1975). In 2006 pits of C were relocated (Gedson & Carley 2006).	-
8335	T08_23	-	Pit/terrace	Three groups of sites, two on nearby peaks, one (possibly ditches) on ridge leading north.	Not visible in aerials.
7781	T08_22	-	Pit/terrace	Top of the main ridge south of the saddle, further SW of Whakatautuna (Trig Q). Two areas, Area A of 6 shallow depressions and Area B, north from A, a further 10 depressions (Coster, Johnston and Phillips (1975).	
22969	T08_141	-	Shell midden	Eroding from a track, 2m long. (2019, Don Prince)	-
12383	T08_122	-	Quarry	European quarry dating from 1930s. (Sewell 1994).	-
13500	T08_125	-	Māori horticulture	Field system – six drains run down ridge face, with six low banks (Coster et al 1975). Not relocated by Harlow in 2005 (previously recorded at T09/7).	-
12297	T08_100	-	Logging camp	Overton Road. (Sewell 1996).	-
12381	T08_120	-	House site	Historic occupation. Gordon until c.1925 then Petrie (Sewell 1996).	-
12382	T08_121	-	Homestead	Located in School Reserve Block by 3 puriri trees. Paddison's house of stone fireplace, stone faced terrace and stone walls.(Sewell 1994).	-
7783	T08_33	-	Pits	Two pits in a knoll at the end of the Awana Valley (Coster et al 1975).	-
9967	T08_34	-	Caves, Midden, burials	Series of features including 2 terraces, caves with reported koiwi, midden and rocks set in mature vegetation, all surrounding a swamp (Coster et al 1975).	-
77884	T08/37		Pit/Buried Soil (Reported)	Single pit measuring 2.5 x 1.5 x 0.5. Landowner reported that the pit was filled with fertile black soil covered by clay (Coster, 1975)	
8340	T08/38		Pits/Terrace	Single terrace measuring 12 x 10m that contains two pits. Pits were recorded as measuring 5 x 3 x 0.8m and 2.5 x 3 x 0.5m (Coster, 1975)	
8339	T08/36		Terraces/Depression/Crop Mark	Flat ridgetop with three terraces (14 x 5m (2); 7 x 5m). One terrace contained a patch of kikuyu grass	

				<p>that may indicate an overgrown pit, while another terrace had a shallow depression of 1.5 x 1.5m.</p> <p>40m east of this ridge is another flattened area where two terraces (6 x 6m) are located, as well as two shallow depressions (3 x 3m) (Coster, 1975).</p> 
7022	T08/8		Pa (Headland)	<p>Large Pa on headland jutting into Awana bay. Features include numerous defensive ditches, five terraces and numerous pits. A small excavation was conducted in 1990 revealing several fire scoops, post holes and lithic flakes.</p>
8338	T08_35	-	Pit/terrace	<p>Three pits, two terraces located at Red Bluff (Coster et al 1975).</p>  <p>Features</p> <ul style="list-style-type: none"> T1 terrace 17 x 7m T2 " 4 x 3.5m a pit 3 x 2 x 0.3m b " 3 x 1.5 x 0.2m c " 2.5 x 1 x 0.1m d depression 2.5 x 1.5m e subdivision survey peg <p>Pit/Terrace Site N30/86 Red Bluff, Great Barrier Island. Grid ref: NZMS1, N30831, 985403 Scale 1:100 Method :compass, pacing cp/30/75</p>

<p>Reference documents</p>	<p>Gedson, G and D Carley, 2006, <i>Great Barrier Coastal and Foreshore Survey</i> for Department of Conservation (DOC).</p> <p>Tatton, K, 1994, <i>Aotea: nga unahi me nga taratara o Te Ika roa a Maui. The scales and spines of Maui's fish: the settlement archaeology of Aotea</i>. MA Anthropology thesis, University of Auckland.</p> <p>Walker M, and R Brassey, Appendix 3 – <i>Current List of Sites Aotea Great Barrier Island</i>, May 2019, Auckland Council</p> <p>Weetman, S, 1889. <i>Notes on Great Barrier Island</i> in <u>Trans & Proc of NZ Institute</u>, 22:79-84.</p> <p>LINZ cadastral mapping and https://linz.recollect.co.nz</p> <p>NZAA ArchSite www.archsite.org.nz</p> <p>Retrolens site https://retrolens.co.nz</p>
<p>Appendices</p>	<p>Appendix 1 NZAA forms</p> <p>Appendix 2 CHI forms</p> <p>Appendix 3.1 Coster's 1975 site plan of T08_26. The three pits marked d, e, and f, are visible in the 1960 aerial.</p> <p>Appendix 3.2 Cropped aerial of 1960 showing site T08_26. Three pits are visible in the centres. Crown_123_3084_19.</p> <p>Appendix 3.3 Current recorded location of T08_26 and the revised estimated location based on the original site description, site plan and historic aerial photographs.</p> <p>Appendix 4 Sketch plan of T08_31 by Coster in 1975. Site T08_30 (N30/81) is referenced to the lower left of the plan.</p> <p>Appendix 5.1 Recorded archaeological sites north of Korotiti, at Harataonga Bay.</p> <p>Appendix 5.2 Cropped 1990 aerial from T08_137 showing the locations of updated sites during the June 2006 survey.</p> <p>Appendix 6.1 Field book (FB 688 by Sidney Weetman 1885/6 pp43 showing landing reserve in Korotiti Bay (173) and an associated track. Details such as the hut, sandstone cliffs or puriri root are not recoded on final plans such as SO3770.</p> <p>Appendix 6.2 Field book 688 page 36. Sidney Weetman 1885/6.</p> <p>Appendix 6.3 Field book 688 page 35 (joins 6.2). Sidney Weetman 1885/6.</p> <p>Appendix 7 SO28-J sheet 5, of approximately 1860-70, cropped to area of nominated extent.</p>
<p>Appendix 1 NZAA Forms</p>	<p>\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\9. Korotiti\ArchSite</p>
<p>Appendix 2 CHI Forms</p>	<p>\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\9. Korotiti\CHI</p>
<p>Appendix 3.1 Coster's 1975 site plan of T08_26. The three pits marked d, e, and f are visible in the 1960 aerial</p>	



Appendix 3.2
Cropped aerial of 1960 showing site T08_26. Three pits are visible in the centres. Crown_123_3084_19.



Appendix 3.3

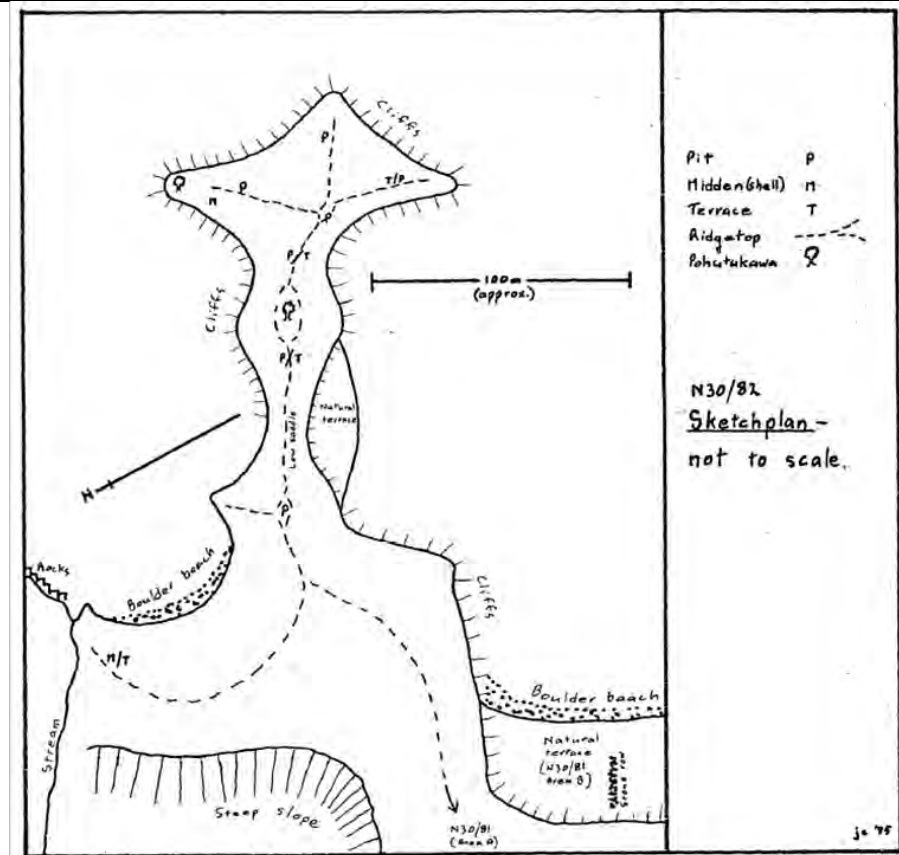
Current recorded location of T08_26 and the revised estimated location based on the original site description, site plan and historic aerial photographs.



The site sketch plan provided by Coster (3.1) and the visible pits on the 1960s aerial (3.2) help to narrow the original location, however this will still need to be confirmed on the ground. Probably new coordinates: E1824116 N5992643.

Appendix 4

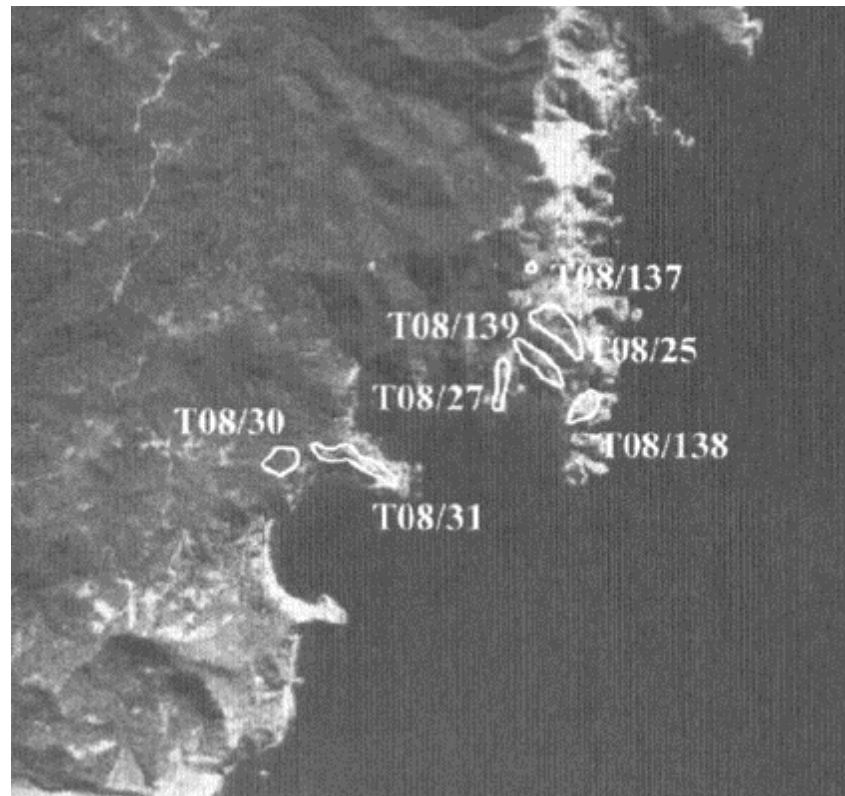
Sketch plan of T08_31 by Coster in 1975. Site T08_30 (N30/81) is referenced at the base of the plan.



Appendix 5.1
Recorded
archaeological sites
north of Korotiti, at
Harataonga Bay.



Appendix 5.2
Cropped 1990 aerial
from T08_137
showing the locations
of updated sites
during the June 2006
survey.



Appendix 6.1

Field book (FB) 688 by Sidney Weetman 1885/6 pp43 showing landing reserve in Korotiti Bay (173) and an associated track. Details such as the hut, sandstone cliffs or puriri root are not recorded on final plans such as SO3770.⁷

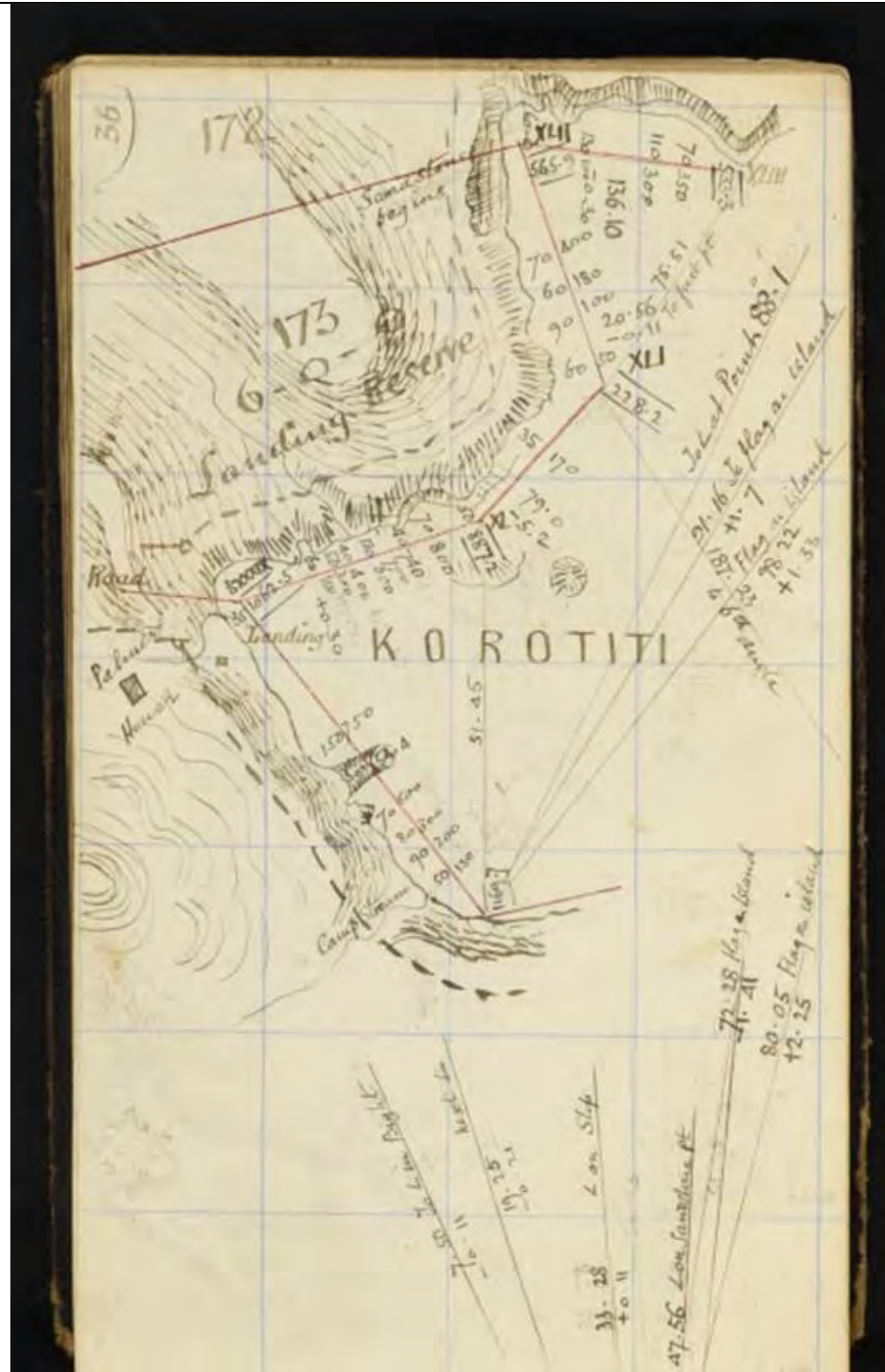


Weetman's 1885 survey records extensive swamp land around Awana with adjacent land regularly inundated. He recorded the swamp lands as sources of flax, raupo and wiwi. He also recorded European huts and marked tracks between forested areas.

⁷ LINZ: NA_0688-0026. Retrieved 7th Apr 2021 12:57, from <https://linz.recollect.co.nz/nodes/view/256631>

Appendix 6.2

Field book 688 page
36. Sidney Weetman
1885/6.



Appendix 6.3

Field book 688 page 35 (joins 6.2). Sidney Weetman 1885/6.

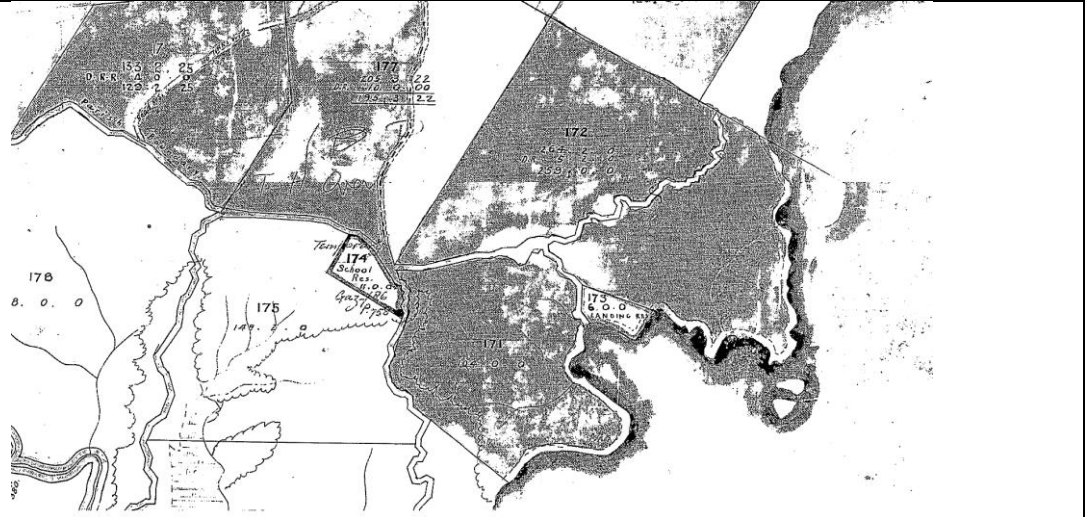


Tatton (1994 chapter 6) quotes Weetman (1889):

There are places, notable at Korotiti on the west coast, which mark the site of their old inhabitants and cultivations, the slopes of the hills being terraced, and the ground supported by stone facing; while in other places enclosures are fenced in by stone walls, which are as straight and well build as those constructed by Europeans...(1889:83)

Appendix 7

SO28-J sheet 5, of approximately 1860-70, cropped to area of nominated extent.



Summary of Archaeological Evidence – Te Rae o Kawharu MWH000251

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Joe Mills	Author	19/05/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	27/03/23	3
Alex Jorgensen	Reviewer	01/08/23	3
Leo Gallagher	Updated	01/10/23	Final

Definitions

ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite


¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:

<https://www.heritage.org.nz/protecting-heritage/archaeology>

Site³

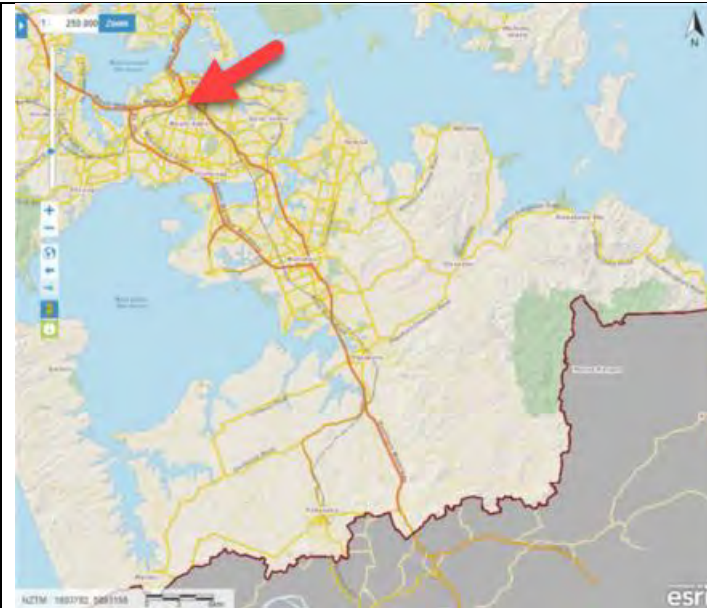
A place containing the remains of former human habitation; an excavation.⁴

Name of Site	Te Rae o Kawharu
MWH number	MH000251
Address	474 Great North Road Grey Lynn Auckland 1021, 89 Ivanhoe Road Grey Lynn Auckland 1021
Land ownership	Public
MW map showing nominated area [from CVA]	
Maps	<ol style="list-style-type: none">1. Regional location2. Map of scheduled sites3. CHI map4. NZAA map

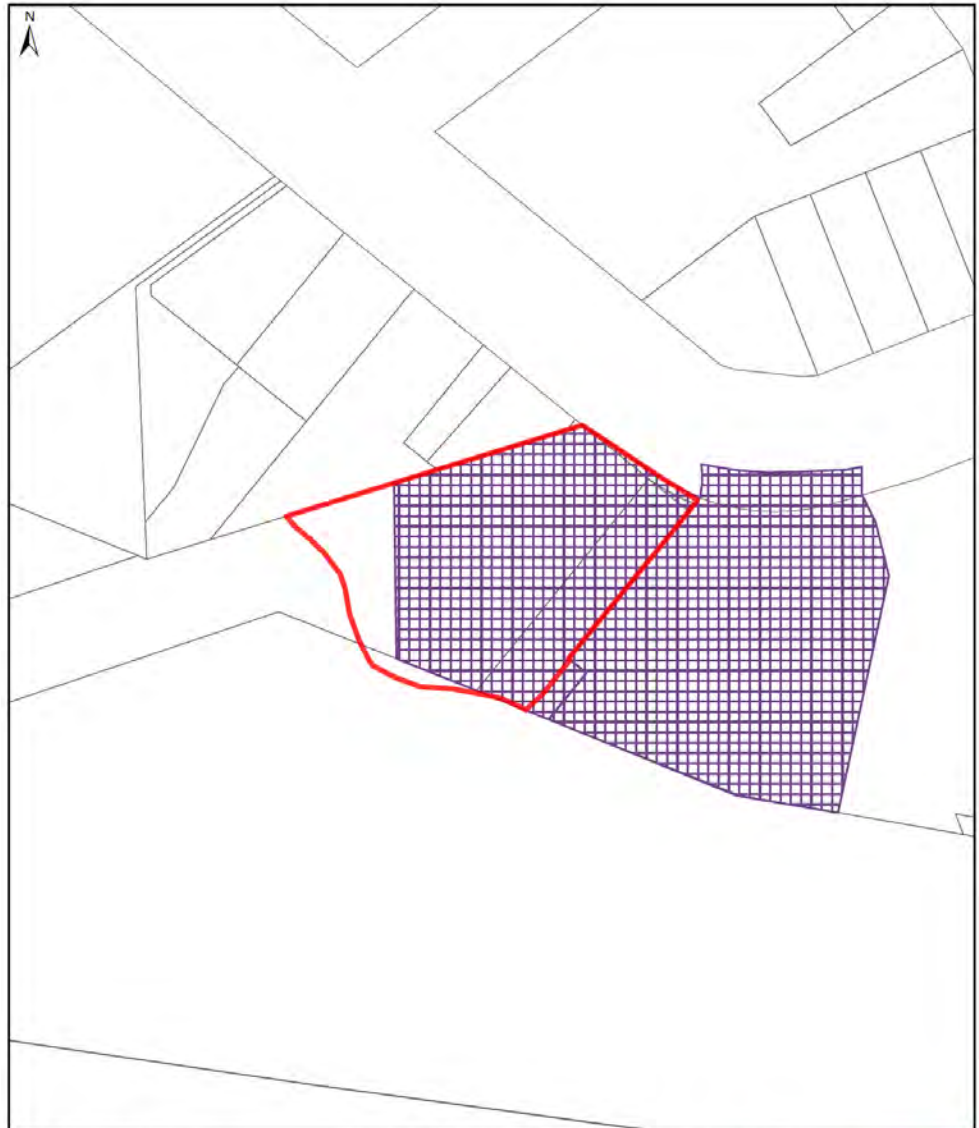
³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

1. Regional location



2. Map of scheduled sites



0 365 770 1,540 Meters

While due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map/diagram and accepts no liability for any error, omission or use of the information.

Tranche 2 - Sites of Significance to Mana Whenua

Site Name - Te Rae o Kawharu
Site ID - 0251

- Tranche 2 - nominated sites extent
- Historic Heritage Overlay Extent of Place [rcp/dp]

3. CHI map separated into archaeological and built heritage (AC GIS: 18/04/23)



0 365 770 1,540 Meters

Tranche 2 - Sites of Significance to Mana Whenua

Site Name - Te Rae o Kawharu
Site ID - 0251

Whilst due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map and accepts no liability for any error, omission or use of the information.

Auckland Council
Te Raukawa o Tairāwharua
Plans and Places

- Tranche 2 - nominated sites extent
 - Historic Structure
 - Maori Heritage Area
 - Maritime Site
 - Reported Historic Site
- CHI
- Archaeological Site
 - Historic Botanical Site

Path: I:\SP\N\A\F\GIS\180423\Work\Aerial\Map Overlay\Sites of Significance Tranche 2 - Workshop\Tranche 2 - Map.mxd

4. NZAA map

Summary of the documentary record for archaeological evidence associated with nominated

Archaeological sites have not been recorded in the nominated extent of place.

The closest recorded archaeological site to this nominated extent is approximately 900m away and is a terrace site (CHI 8554)

No information was evident from historic aerial photos or cadastral plans.

extent of place						
Tables	Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area					
Table 4: Documentary archaeological evidence of Māori origin						
CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
-	-	-	-	-	-	-
Table 5: Other historic heritage sites in the nominated area.						
CHI	NZAA	HNZPT list Y/N	AUP ID	Site type	Description, condition, Source	Associated images
2570	-	584	01676	Civic Building	Grey Lynn Public Library	-
Table 6: Historic heritage sites adjacent to the nominated area						
CHI	NZAA	HNZPT list Y/N	Site type	Description, condition, Source		Associated images
18437	-	01675		Church building eventually St Joseph's school.		-
Reference documents	LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz					

Summary of Archaeological Evidence – Waipapa, MH000255

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Rebecca Ramsay	Author	03/06/2021	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Rachel Ford	Review	14/12/21	2

Definitions

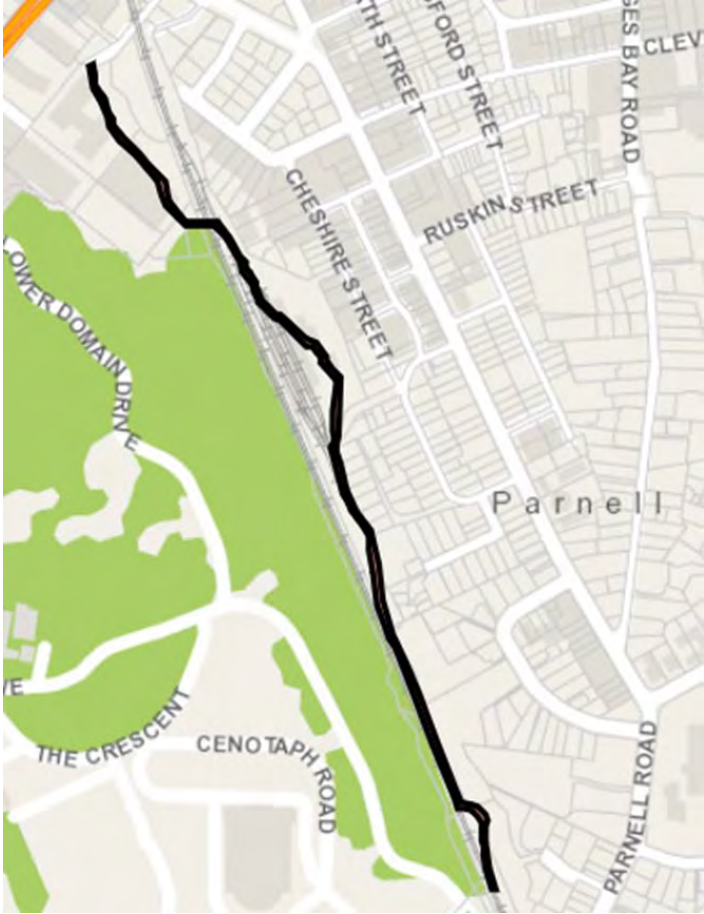
Archaeology ²	(a) any place in New Zealand, including any building or structure (or part of a building or structure), that— (i) was associated with human activity that occurred before 1900 or is the site of the wreck of any vessel where the wreck occurred before 1900; and (ii) provides or may provide, through investigation by archaeological methods, evidence relating to the history of New Zealand; and (b) includes a site for which a declaration is made under section 43(1) ³
ArchSite	Database of NZAA site record files http://www.archsite.org.nz Formatted as map number/site number, e.g. R11/XXXX
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Inventory https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014)
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association.
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite
Site	A place containing the remains of former human habitation; an excavation. ⁴

¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

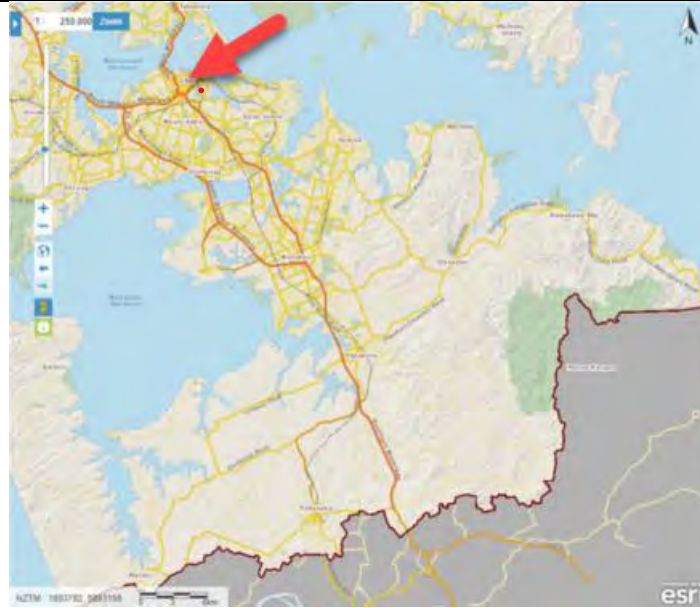
² For information on current archaeological practice see: <https://www.heritage.org.nz/protecting-heritage/archaeology>

³ [Heritage New Zealand Pouhere Taonga Act \(2014\)](#)

⁴ Section 6 HNZPTA defines the term 'site'. Excavation as per Definition 4 in OED.com

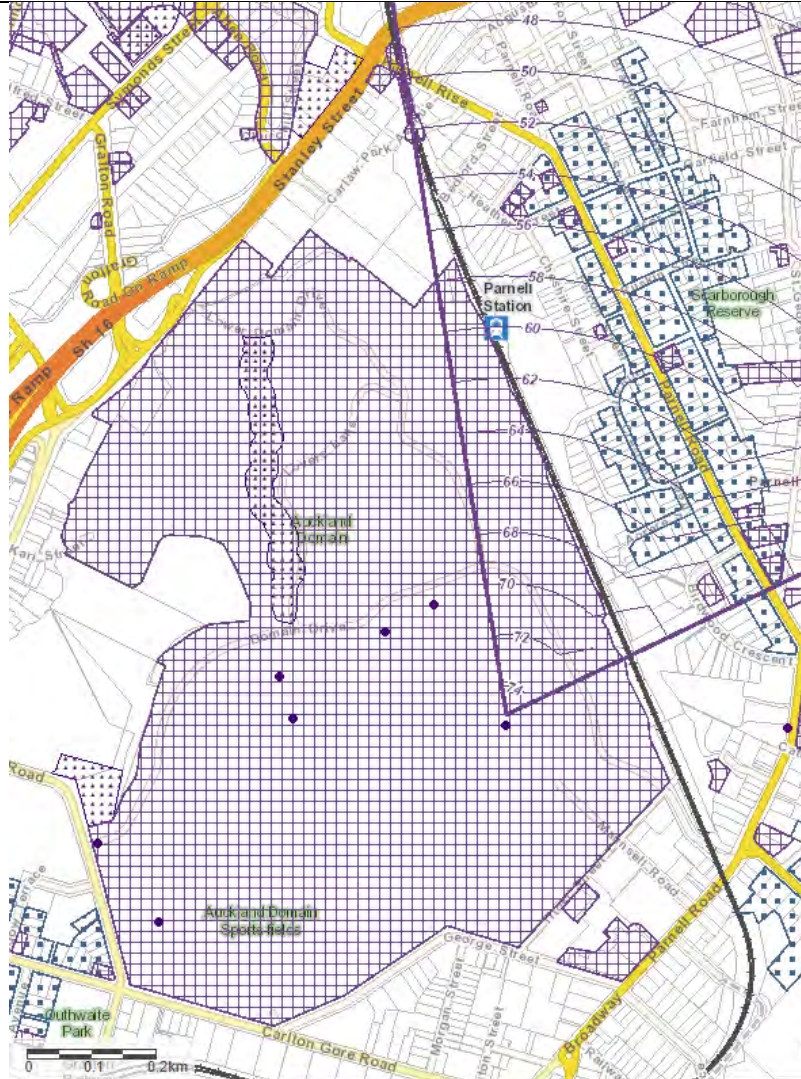
Name of Site	Waipapa
MH number	MH000255
Address	Waipapa Stream located on the east side of the Auckland-Newmarket railway lines and to the west of the Domain and Carlaw Park.
Land ownership	Both public and private
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites 3. CHI map (AC GIS 18/06/21) 4. NZAA map (AC GIS 8/06/21)

1. Regional location



2. Map of scheduled sites

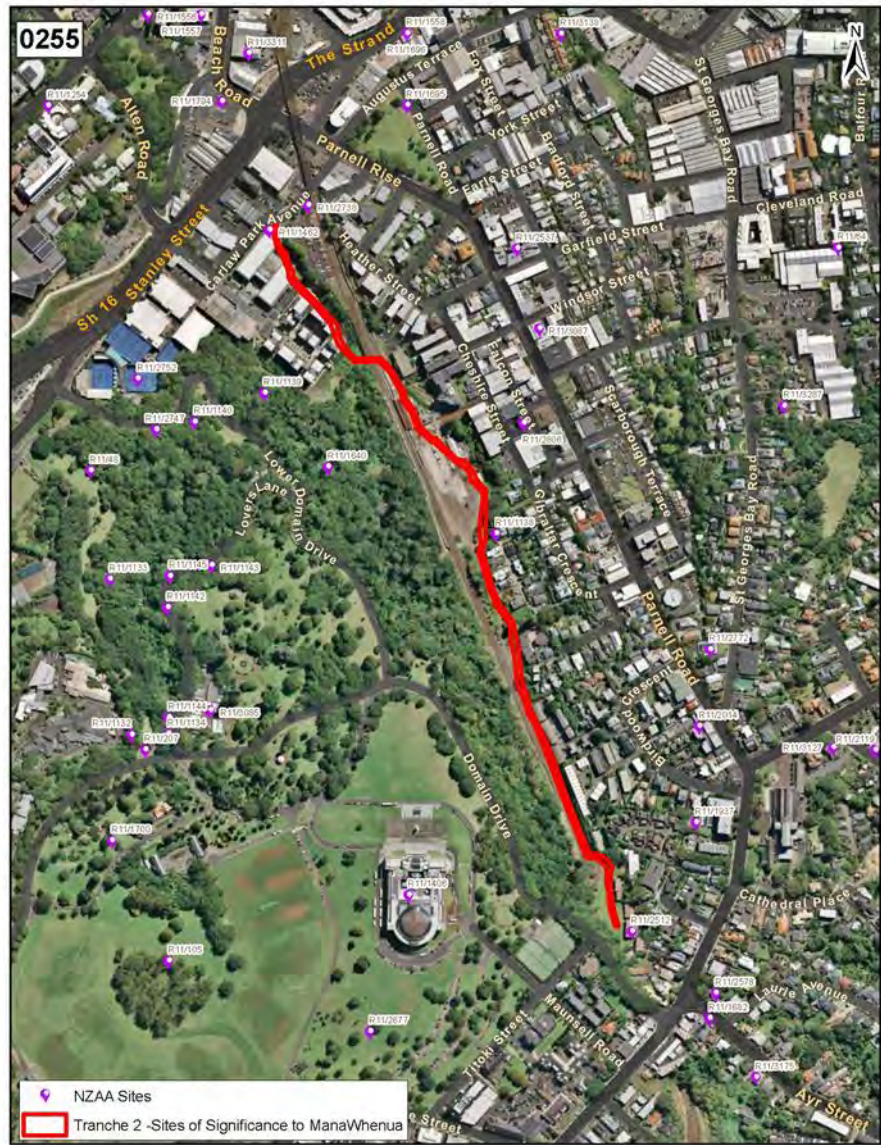
- Historic Heritage Overlay
- Historic Heritage Overlay Place
- Sites and Places of Significance to Mana Whenua
- Auckland War Memorial Museum View Shaft Overlay



3. CHI map separated into archaeological and other heritage (AC GIS 14/06/21)



4. NZAA map (AC GIS 8/06/21)



Tranche 2 - Sites of Significance to Mana Whenua
Waipapa Awa

Summary of the documentary record for archaeological evidence associated with nominated extent of place

An archaeological site has been recorded in the nominated extent of place.

The Waipapa Stream nomination lies to the east of the Auckland Domain alongside the Auckland railway line. The stream is likely to be culverted below surface and is cut off from Domain by the railway lines. Though separated by the railway in the modern landscape, Waipapa Stream was likely part of the original wider landscape of the area, including the archaeology found in the Domain.⁵ Geomaps underground services layer shows a natural unmodified watercourse running adjacent to the railway line from the Parnell Station carpark (23 Cheshire Street), south to the railway tunnel (1 Domain Drive).

⁵ Ford (2018)

Tables	<p>Table 1: Documentary archaeological evidence of Māori origin</p> <p>Table 2: Other historic heritage sites in the nominated area.</p> <p>Table 3: Historic heritage sites adjacent to the nominated area</p>
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Table 4: Documentary archaeological evidence of Māori origin

CHI	NZAA	HNZPT list	AUP ID	Site type	Description, condition, Source	Associated images
6053	R11/1138	-	-	Midden	Scatter of shell recorded at 6 Ngahere Terrace, Integrity and condition not updated since 1982.	-

Table 5: Other historic heritage sites in the nominated area.

CHI	NZAA	HNZPT list	AUP ID	Site type	Description, condition, Source	Associated images
14094	R11/2512	-	-	Parnell Railway Tunnel	Constructed between 1865-1872 as part of New Zealand's first public railway line. The tunnel is located at the southern end of the nominated extent, within the Waipapa Stream Valley with the tunnel entrance located at what was a bend and cascade of the Waipapa.	Appendix 3: Stevens 1886 Map
18657	-	-	-	Parnell Railway Workshop	Railway depot was constructed after World War II in the late 1940s or early 1950s, to maintain diesel locomotives. Buildings demolished c.2014, remains include remnant concrete and tarmac floors, rail tracks, inspection pits and workshop floors (Clough 2020).	-

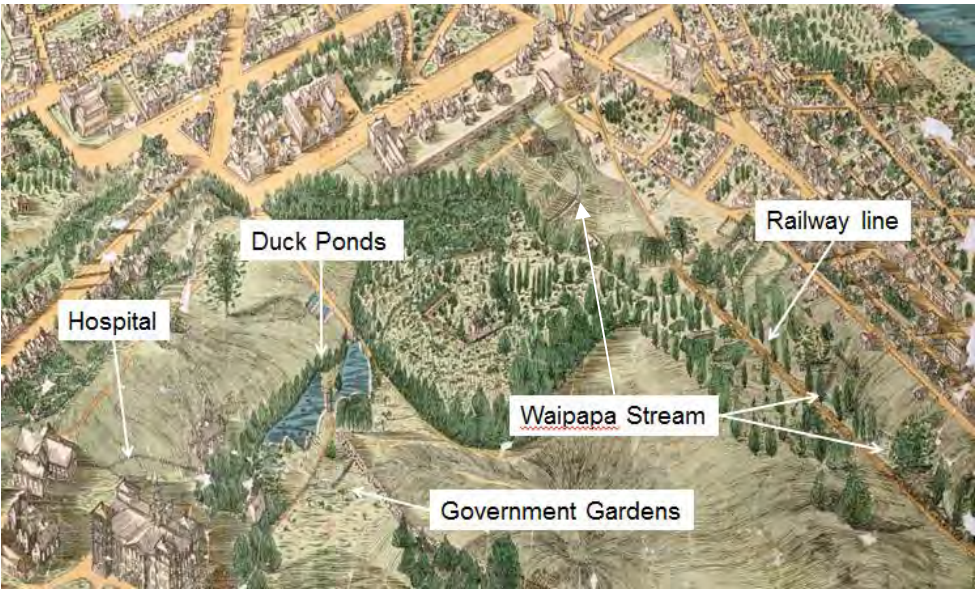
Table 6: Historic heritage sites adjacent to the nominated area

CHI	NZAA	HNZPT list -	AUP ID	Site type	Description, condition, Source	Associated images
-	-	-	Schedule 12 ID 083	Te Ako o Te Tui	Te Ako o Te Tui - 'the Teachings of the Tui', is an open-air stream located on the western slopes of Pukekawa at the Auckland Domain. The stream runs through original basalt	-

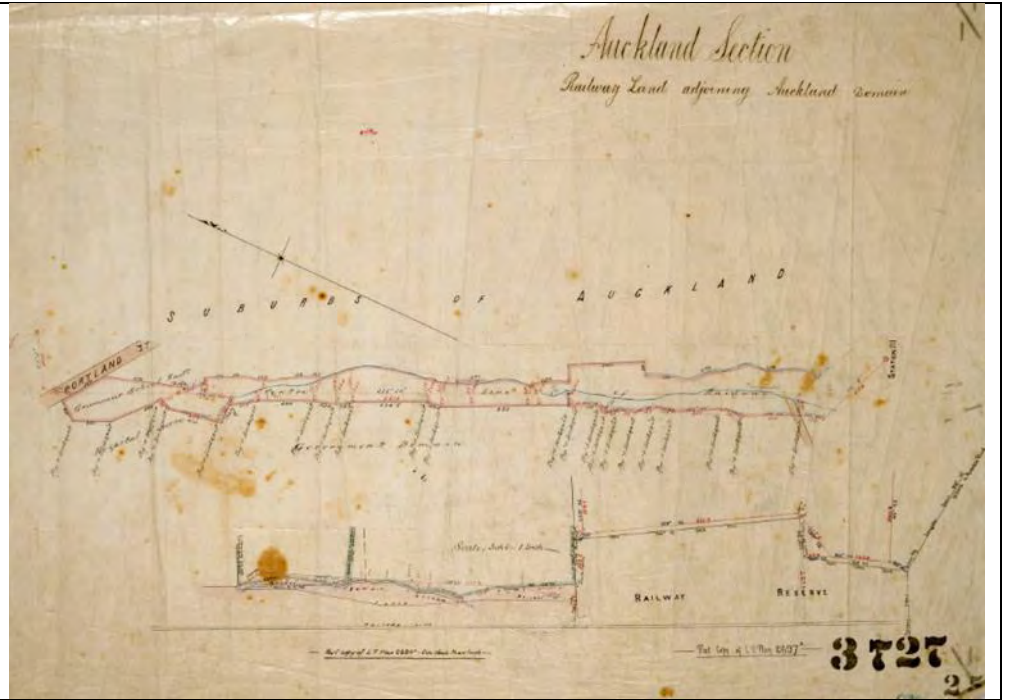
					lava rock with its source being the former wetlands of Parnell now the Auckland domain ponds.	
11274	R11/1462	-	-	Historic Industrial Area/Carlaw Park (Two 19th century European industry sites and Chinese Market Gardening).	<p>R11/1462, including remains of the flour mill and subsequent Chinese occupation of the area has recently been excavated under NZHPT Authority and a detailed archaeological report (Bader 2011).</p> <p>Includes Robertson Rope Walk and Low and Motions Flour Mill (later Coolahan).</p> <p>Of relevance to the nomination is the utilisation of Waipapa Stream.</p> <p>CHI Record Form “They (Low and Motion) built a mill on ground in the Mechanic’s Bay area, near the site of land now occupied by the Carlaw Park sports ground. For water to run their new mill, they used the stream which flowed down from the pond in the Auckland Domain, the pond later to become Auckland’s first public water supply source.”</p>	Appendix 3, 5, 6: Annotated Stevens 1886 Map, Annotated Plan SO 936 and 1864 plan.
<i>Auckland Domain – Sites of most relevance (to archaeology) to Waipapa Stream</i>						
18883	-	-	Schedule 14.1 ID 01566	Auckland Domain	Auckland Domain/Pukekaroa/Pukekawa Hill Pa site R11_105, including pits, terraces, midden, house sites, structures, memorials, water supply site, ponds, roads, gardens and plantings.	Appendix 7: Cadastral Plan SO 3933
22625	R11/2752	-	-	Administrative Washing Reserve	<p>Washing Reserve set up in 1850 in the north western part of the Auckland Domain next to the mill stream (Mill at old Carlaw Park). An 1850 Government Gazette notice advertised for the construction of baths and washing houses on this site.</p> <p>Site mostly destroyed by tennis court construction, however</p>	Appendix 5: SO Plan 936, dated to 1875

					subsurface remains of brick channels and reservoirs may still exist.	
8949	R11/1139	-	-	Botanical (Taro)	Located in Auckland Domain alongside a small creek running to the south east of Carlaw Park and between the park and the railway line. Large patch (c. 30x8m area) of wild <i>Alocasia macrorrhiza</i> growing alongside a small stream.	-
8993	R11/1640	-	-	Fish Hatchery	Fish hatchery associated to Auckland Acclimatisation Fish breeding program (1870-1890s), located on tributary of Waipapa Stream. Site excavated in 1988 and consists of three ponds and a hatchery laid out in a "Z" formation on the hill slope to allow water to reticulate through the complex.	Appendix 7: Cadastral Plan SO 3933
19817	R11/2747	-	-	Midden	Located in Auckland Domain on south side of Lower Domain Drive. Includes patches of surface and subsurface shell midden.	-

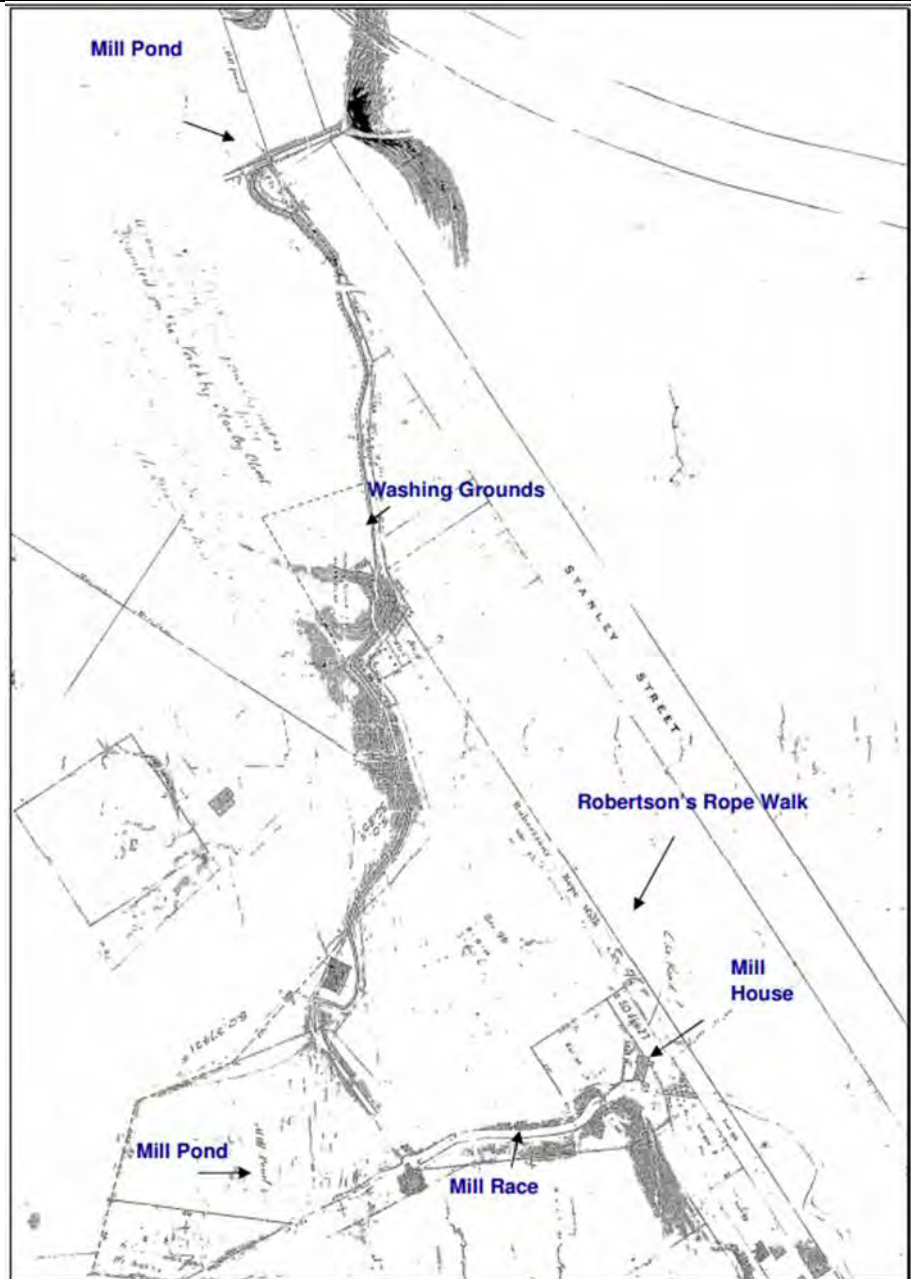
Reference documents	<p>Bader, H. and Adamson, J. 2011. <i>Kong Foong Yuen - the Garden of Prosperity, Final Report on the Archaeological Excavations at Carlaw Park, Auckland, Authority #2007-48</i>. Prepared for Haydn & Rollett Construction.</p> <p>Baquie, B., & Tatton, K. (2010). <i>Auckland Metro Rail Electrification Project: Parnell Tunnel Archaeological Monitoring Report</i>. Unpub.</p> <p>Bickler, S., & Mace, T. (2004). <i>Gibraltar Crescent Subdivision</i>. Unpub.</p> <p>Clough, R. 2020. <i>Parnell Retirement Village, Auckland: Historic Heritage Assessment</i>. Prepared for Summerset NZ.</p> <p>Ford, R. 2018. <i>Waipapa Stream, Summary of Archaeological Information</i>. Unpublished report prepared for Auckland Council.</p> <p>Foster, R. 2003. <i>Archaeological Sites in Auckland Domain</i>. Prepared for Auckland Council.</p> <p>Heritage Images Online (Auckland Libraries). Sir George Grey Special Collections, Auckland Libraries, NZ Map 7035.</p> <p>Plowman, M. 2009. <i>Proposed Stormwater Reticulation Upgrade, Grafton Road, Grafton, Auckland. Archaeological Assessment of Effects</i>. Prepared for Auckland City Council.</p> <p>Robinson, J. 1988. <i>Initial Excavation of the Auckland Acclimatisation Society Fishponds</i> Department of Conservation Science and Research Internal Report No. 27 (unpublished).</p>
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	<p>LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz</p>
<p>Appendices</p>	<p>Appendix 1: NZAA SRF Appendix 2: CHI Records Appendix 3: (this was a) A section of the bottom right corner of George Stevens 1886 oblique view of Auckland Appendix 4: Railway land adjoining Auckland Domain with stream running down centre (blue). NZ Map 7035. Appendix 5: SO Plan 936, dated to 1875 showing Coolahan’s Mill operations and the surrounding Landscape (Plowman 2009). Appendix 6: 1864 Plan showing the mill and streams supplying the mill pond. Appendix 7: Cadastral Plan SO 3933 Appendix 8: Overlay of SO 1330-K showing former water course of Waipapa Stream.</p>
<p>Appendix 1: NZAA SRF</p>	
<p>Appendix 2: CHI Records</p>	
<p>Appendix 3 A section of the bottom right corner of George Stevens 1886 oblique view of Auckland showing the Waipapa Stream to the far right. The Domain lies between this and the Hospital.</p>	 <p>The image is an aerial photograph of a section of Auckland, New Zealand, showing the Waipapa Stream and surrounding areas. The stream flows from the top right towards the bottom center. To the left of the stream are the Duck Ponds. Further left is the Hospital. To the right of the stream is the Railway line. At the bottom of the image are the Government Gardens. The Domain lies between the stream and the Hospital.</p>

Appendix 4:
Railway land adjoining
Auckland Domain with
stream running down
centre (blue). Auckland
Libraries Heritage
Collections Map 7035.



Appendix 5:
SO Plan 936, dated to
1875 showing
Coolahan's Mill
operations and the
surrounding Landscape
(Plowman 2009).



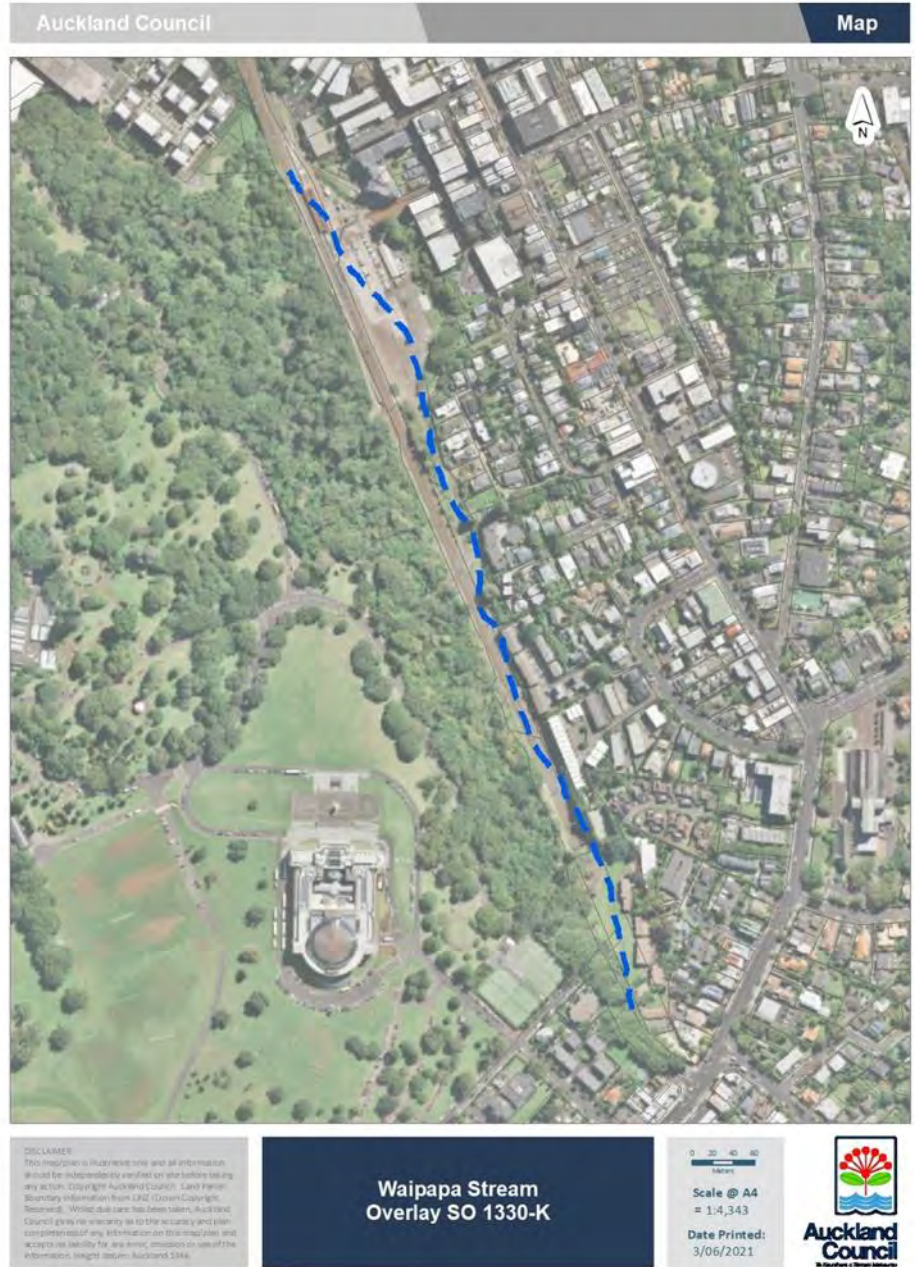
Appendix 6:
1864 Plan showing the mill and streams supplying the mill pond. The Matson's spring No 1 originally flowed through the Railyards Site (Clough 2020).



Appendix 7:
Cadastral Plan SO 3933



Appendix 8:
 Overlay of SO 1330-K
 showing former water
 course of Waipapa
 Stream.



Summary of Archaeological Evidence – Kaarearea Paa, MH000570,

Disclaimer

The archaeological information below is a summary of the known documentary evidence for the nominated area to provide supporting information to mana whenua and council's reporting planner. The summary has been compiled from publicly available information including the Auckland Council Cultural Heritage Inventory (CHI) and the New Zealand Archaeological Association's (NZAA) database ArchSite. Where known data limitations¹ are noted, but information is constantly updated through digital processing; neither the Auckland Council or NZAA guarantee the accuracy of the data and site locations are only indicative.

Document status			
Name	Task	Date	Version
Joe Mills	Author	19/05/21	1
Chris Mallows	Reviewer	24/06/21	1
Myfanwy Eaves	Updated	12/07/21	2
Leo Gallagher	Updated	27/03/23	3
Alex Jorgensen	Reviewer	01/08/23	3
Leo Gallagher	Updated	01/10/23	Final

Definitions

ArchSite	Database of NZAA site record files http://www.archsite.org.nz
AUP	Auckland Unitary Plan
CHI	Cultural Heritage Information database https://chi.net.nz . A non-statutory database that includes all archaeological sites recorded under the NZAA recording scheme along with other historic heritage information. Formatted as CHI then site number, e.g. CHI1234
CMA	Coastal Marine Area (Part 1, s2 RMA)
HGI	Hauraki Gulf Islands
HNZPT(A)	Heritage NZ Pouhere Taonga (Act 2014) ²
Historic heritage	(a) ... natural and physical resources that contribute to an understanding and appreciation of New Zealand's history and cultures, deriving from any of the following qualities: (i) archaeological, (ii) architectural, (iii) cultural, (iv) historic, (v) scientific, (vi) technological; and (b) includes— (i) historic sites, structures, places, and areas; and (ii) archaeological sites; and (iii) sites of significance to Māori, including wāhi tapu; and (iv) surroundings associated with the natural and physical resources
NZAA	New Zealand Archaeological Association. Formatted as map number/site number, e.g. R11/XXXX
RMA	Resource Management Act 1991
SSMW	Sites of significance to mana whenua
SRF	Site record form from ArchSite
Site ³	A place containing the remains of former human habitation; an excavation. ⁴


¹ For example, data migration from Imperial to Metric measures in the 1970s. NZAA SRF provide a date for when a site was 'first recorded' but this is not considered as first knowledge of a site.

² Under Section 13(1)(e), HNZPT issues Archaeological Authorities in accordance with the powers and functions outlined in the Act. Under section 52, conditions may be imposed, and advice notes can be included. One advice note describes what is Current Archaeological Practice:

<https://www.heritage.org.nz/protecting-heritage/archaeology>

³ Section 6 HNZPTA defines the term. See <https://www.heritage.org.nz/protecting-heritage/archaeology>

⁴ Definition 4, OED.com

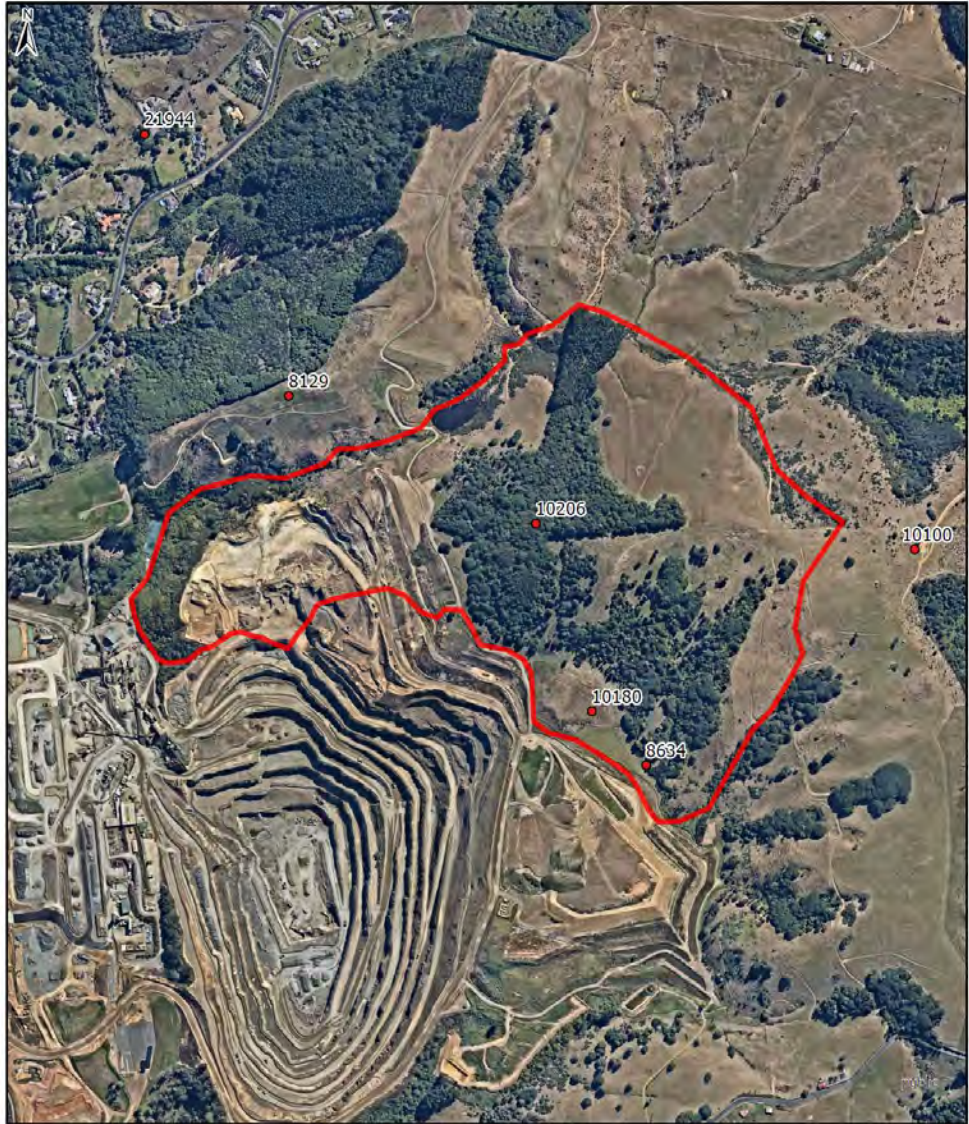
Name of Site	Kaarearea Paa / Te Pou Hootiki
MWH number	000570
Address	121 MacWhinney Drive, Drury, Auckland 2577. 1189 Ponga Road, Drury, Auckland, 2113. 206 Peach Hill Road, Drury, Auckland, 2579.
Land ownership	Private
MW map showing nominated area (s32 CVA)	
Maps	<ol style="list-style-type: none"> 1. Regional location 2. Map of scheduled sites 3. CHI map 4. NZAA map

1. Regional location



2. Map of scheduled sites

3. CHI map separated into archaeological and built heritage (AC GIS: 18/04/23)



0 365 770 1,540 Meters

While due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this map/print and accepts no liability for any error, omission or use of the information.

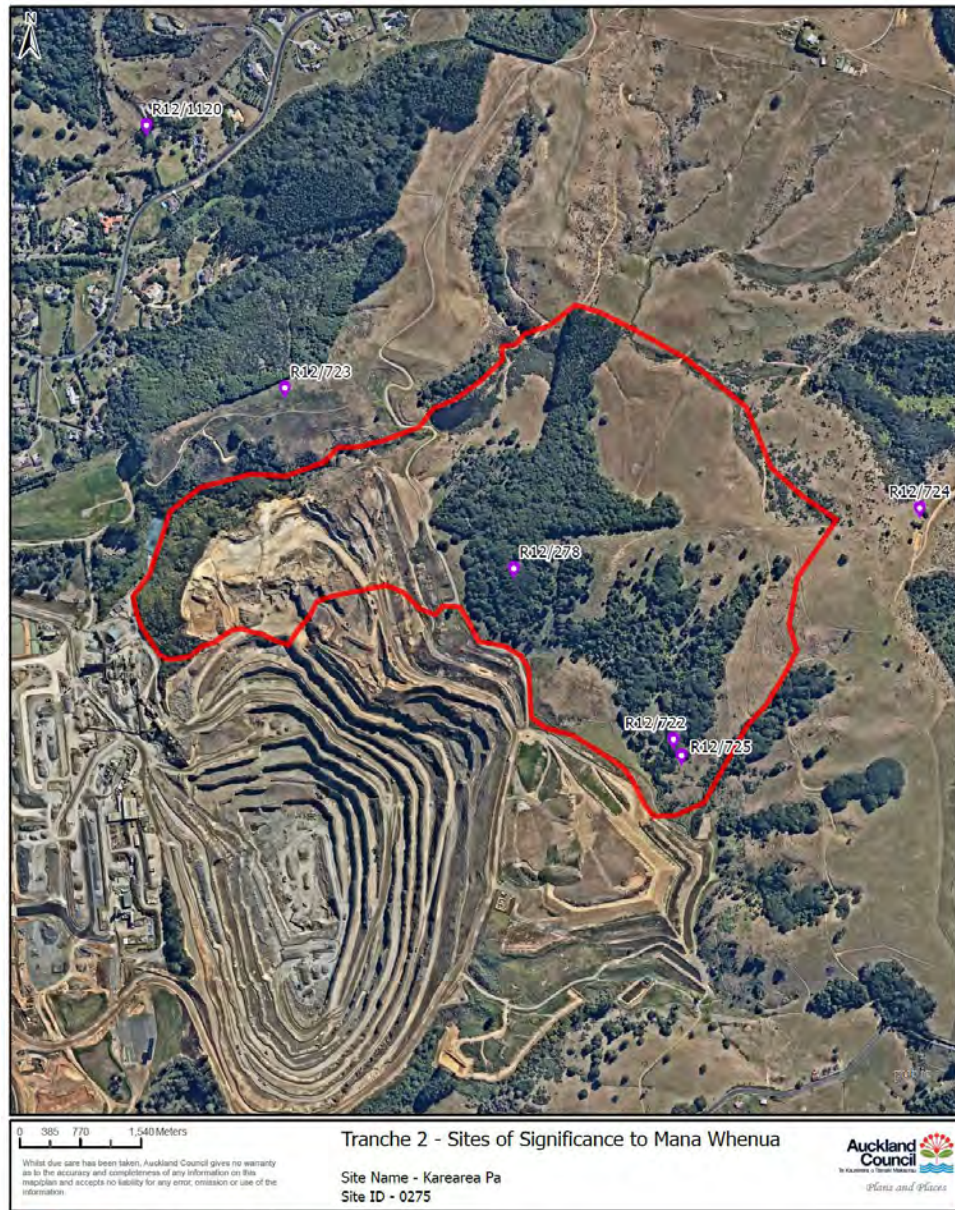
Tranche 2 - Sites of Significance to Mana Whenua

Site Name - Karearea Pa
Site ID - 0275

- Tranche 2 - nominated sites extent
- Historic Structure
- Maori Heritage Area
- Maritime Site
- Reported Historic Site
- CHI
- Archaeological Site
- Historic Botanical Site

Path: \\S:\GIS\BIR\PC\CD\GIS\1172\Library\1172\Chap02\Sites of Significance - Tranche 2\Workspaces\Tranche 2 Map.mxd:apx

4. NZAA map
(AC GIS:
18/04/23)



- ▭ Tranche 2 - nominated sites extent
- 📍 NZ Archaeological Association (NZAA) Archaeological Sites

Summary of the documentary record for archaeological evidence associated with nominated extent of place

Archaeological sites have been recorded in and around the nominated extent of place.

Chief among these is Karearea Pa (R12/728), an extensive site displaying a multitude of archaeological features associated with occupation and agriculture including; stonework, earthworks, koiwi, pits, terraces, and middens. Initial recording by Lawlor (1989) noted the potential for further Koiwi to be found in areas of the Pa that have been poorly surveyed, and the surprising preservation of the site, despite fossicking.

	<p>Additional archaeological sites recorded outside of the nominated extent (though in the vicinity) include artefact findspots, pits, terraces and middens. The landscape immediately to the south-west of the nominated extent has been heavily modified by decades of quarrying. As a result, any archaeological features that may have been present in that area are assumed to be destroyed.</p>
Tables	<p>Table 1: Documentary archaeological evidence of Māori origin Table 2: Other historic heritage sites in the nominated area. Table 3: Historic heritage sites adjacent to the nominated area</p>

Table 4: Documentary archaeological evidence of Māori origin

CHI	NZAA	HNZPT	AUP ID	Site type	Description, condition, Source	Associated images
10206	R12/278	-	00693	Pa	<p>Pā with stonework, earthworks, and koiwi (Lawlor 1989). Specifically; stone channels, heaps and alignments are identified by Lawlor, along with numerous terraces and pit features. Additionally, Lawlor observed ‘long bones’ and ribs in some of the rock crevices. The presence of human remains is further supported by the (at the time) landowner’s statement that they had seen numerous human bones (rib fragments and leg bones) in the north eastern part of the site. Additionally, Lawlor found further remains (possible femur and rib fragment) upon visiting the site, describing their location as “below the platform on Bill Thorburn’s property”. Lawlor states that further remains are likely to be present in the bluff. A midden had also been reported previously, though this was not relocated.</p> <p>Lawlor suggests that the site is unique because of the preservation of archaeological material (despite fossicking), and the sites potential to inform archaeologists of Māori landscape use in the surrounding area.</p>	See appendix 3.

					Subsequent site visits have been made, noting that some of the stonework around the Tihi has partially collapsed, while other stonework features have been disturbed and potentially fossicked (Tanner, Felgate & Walter, 2002). While it is stated that surrounding terraces are vague and difficult to interpret, many pit features are still visible, and Koiwi is still present. The authors state that the major threats to the integrity of the site are continued fossicking, farming and expansion of the nearby quarry.	
8634	R12/725	-	-	Terraces	Four or five terraces initially recorded in 1989, though subsequently questioned by site visits in both 2017 and 2020. It is possible that these are natural features.	

Table 5: Other historic heritage sites in the nominated area.

CHI	NZAA	HNZPT	Site type	Description, condition, Source	Associated images
10180	R12-722	-	Mine shaft	A mine shaft that was dug for efforts to find coal. It was initially ~15m deep but has since been filled, leaving a small depression in it's place. Hearth associated with miner's camps also reported. Shaft could not be relocated in 2017, though the hearth was.	-

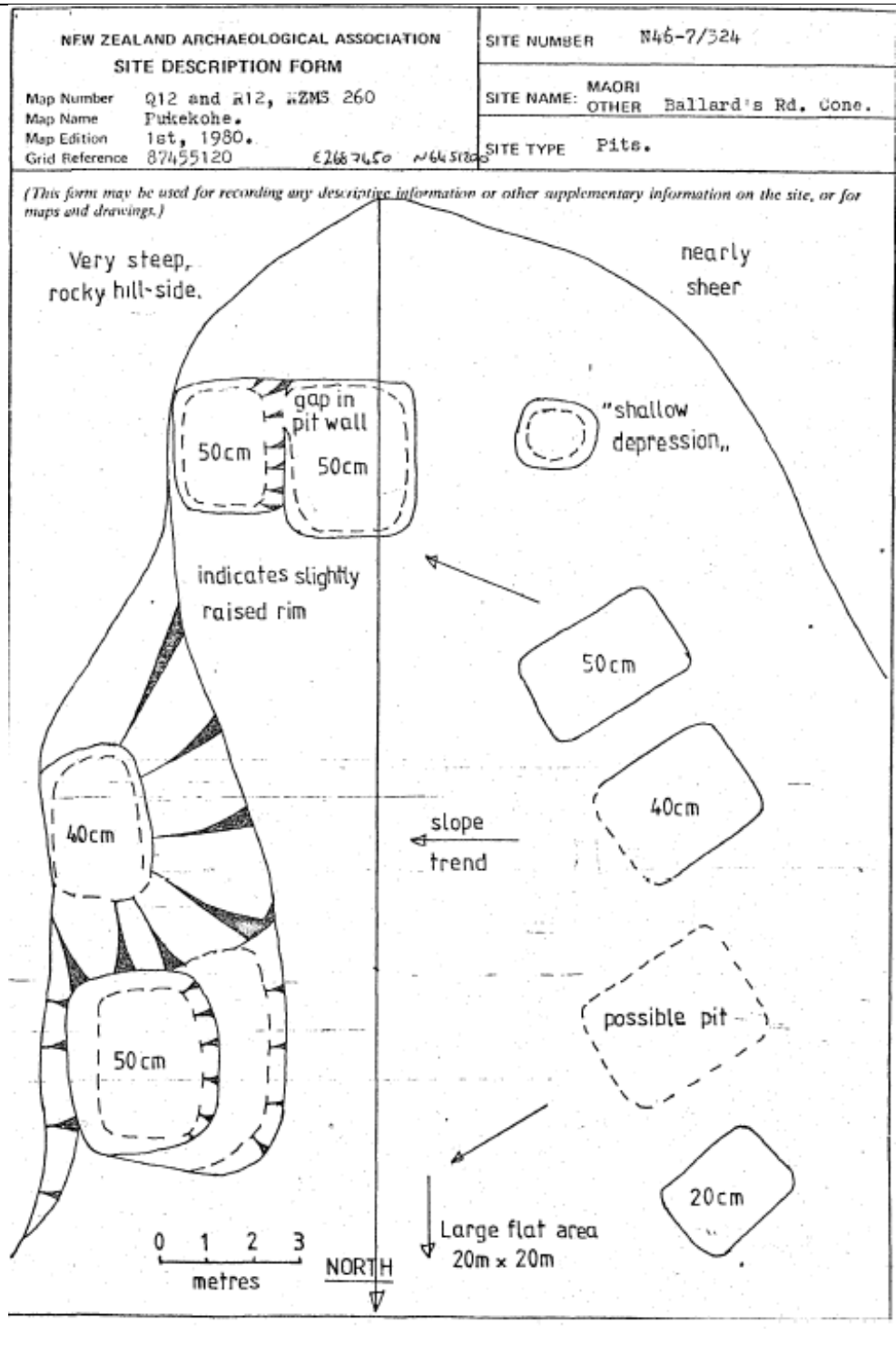
Table 6: Historic heritage sites adjacent to the nominated area

CHI	NZAA	HNZPT	Site type	Description, condition, Source	Associated images
7091	R12-726		Findspot	Reported shell midden and several adzes found on former farm in 1988 (NZAA R11/726 SRF and Goodliffe and Alberts 1982/3).	
7090	R12-721		Findspot	Adze found during works at Peach Hill Landfill site. Date reported 1989.	
6266	R12-330		Midden	Located by stream on the boundary of quarry. 6m x 1.5m, thinly scattered in section of erosion.	
8129	R12-723		Pits/Terraces/Stonework	Initial reporting (1989) identified two 3m x 3m pits, a 4m x 4m terrace with a 'ring bordered stone heap'. Subsequent site visits (2002) suggested questions the this, with suggesting features appearing very vague.	
22285				Historic villa associated with the Drury Pottery Works.	
23064	R12_1121		Commercial	The sites of Drury Fireclay, Potteries and Brickworks. Tramline associated with site also present.	
21944	R12-1120			Additional tramway associated with Drury Pottery works	

Reference documents	LINZ cadastral mapping and https://linz.recollect.co.nz NZAA ArchSite www.archsite.org.nz Retrolens site https://retrolens.co.nz
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Appendices	Appendix 1: NZAA ArchSite Site Record Forms Appendix 2: CHI Forms Appendix 3: Aerial photos and cadastral plans
Appendix 1 NZAA ArchSite Site Record Forms	\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\20. Karearea Pa\Archsite
Appendix 2: CHI Forms	\\aklc.govt.nz\Shared\CPO\RLP\FC\LUP\UP MODIFICATIONS\PCXXX - SOS Tranche 2\02 Preparation\7. Archaeology\20. Karearea Pa\CHI

**Appendix 3:
Site sketches
of Karearea
Pa**



NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION
SITE RECORD FORM (NZMS260)

NZMS 260 map number: R12
 NZMS 260 map name: PUKEKOHE
 NZMS 260 map edition: Edition 1 1980

CHI COMPUTER NUMBER: 10206

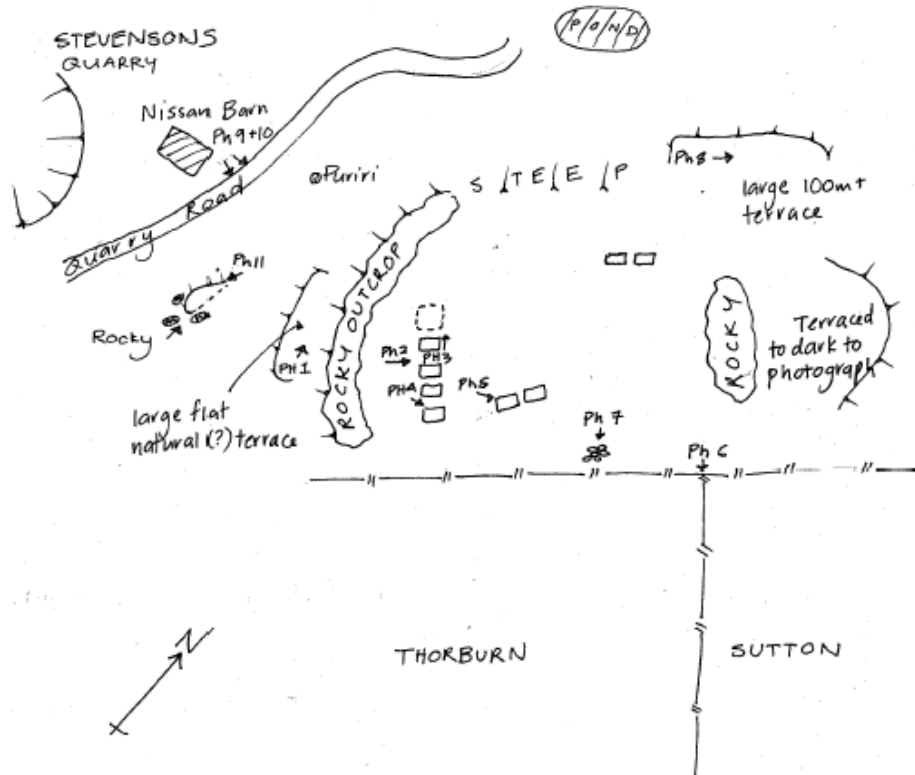
NZAA METRIC SITE NUMBER: R12 /278

DATE VISITED: 28 May 2002
 SITE TYPE: BURIALS/ STONEWORK/
 EARTHWORKS
 SITE NAME: Karearea; Te Maketu

Grid References: Easting: 2687408 Northing: 6451128

Additional Information Sheet

SKETCH ILLUSTRATING LOCATION OF PHOTPOINTS



Rough, not to scale, for detail of features refer to previous SRF map.

Vanessa Tanner 29/5/02