

# Archaeological Assessment of Proposed Pedestrian Swing Bridge Across the Whangaehu River, Te Araroa Trail



### Prepared by:

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**Date: September 2024** 

#### QUALITY INFORMATION

**Title:** Archaeological Assessment of Proposed Pedestrian Swing Bridge Across the Whangaehu River, Te Araroa Trail

**Reference:** iSA24 005

**Author(s):** Daniel John Parker

#### **Revision History:**

Draft 28 Aug Parker

30 Aug H. Marchant (Te Araroa Trust)

M. Doar (Southern Skies Environmental)

G. Wigley (Frame Group)

Final 2 Sep Parker

Cover image: Whangaehu., 17 December 1868, Whangaehu, by Nicholas Chevalier. Gift of Mrs Caroline Chevalier, the artist's widow, England, 1912. Te Papa (1912-0044-232)

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ii

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#### INTRODUCTION

The New Zealand Transport Agency Waka Kotahi ("NZTA") and Te Araroa Trust wish to construct a 120 m long, pedestrian swing bridge ("the bridge") across the Whangaehu River, approximately 1.5 km from the river mouth, to allow the Te Araroa trail to be re-routed away from State Highway 3 south of Whanganui (Figure 1). The bridge will be situated in the coastal dune environment, an area of intensive historic Māori occupation by the Ngāti Apa and Whanganui iwi as well as a more limited occupation by early Pākehā. A multitude of archaeological sites are recorded in the general vicinity and wider landscape of the bridge, predominantly on the left-bank of the river, but these are not expected to be affected due to the minor nature of the earthworks that are required (Figure 2).



Figure 1: Location of the proposed pedestrian swing bridge across the Whangaehu River.

On the right-bank of the river the bridge will be constructed on Department of Conservation land, part of the Whitiau Scenic Reserve. On the left-bank of the river the bridge will be constructed on the Rakautaua 7,3 Block owned by Peter Thomas Redpath, Robert Bruce Openshaw Craig, and Sarah Jane Craig. Construction of the bridge will require earthworks to install structures. Each side of the bridge requires the following:

- concrete-filled auger holes for:
  - o tower foundation piles of 550 mm diameter and 6000 mm depth (x4);
  - outrigger foundation piles of 450 mm diameter and 3000 mm depth (x2);
  - o timber stair foundation piles of 450 mm diameter, 2000-3000 mm depth, (x10);
  - o anchors for catenary bracing / cables of 450 mm diameter and 3000 mm depth (x4);
- a concrete tower plinth of 2500 x 2500 x 500 mm (length, width, depth)

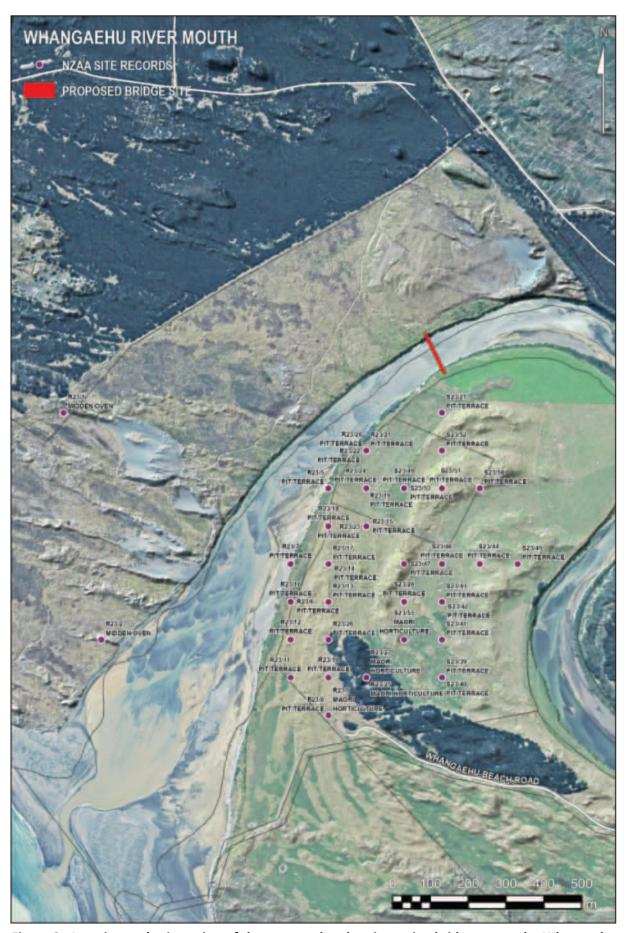


Figure 2: Location and orientation of the proposed pedestrian swing bridge across the Whangaehu River, also showing the location of NZAA recorded archaeological sites. Archaeological sites on the true right bank are scheduled in the Whanganui operative district plan.

- set 300 mm below ground surface;
- concrete plinth caps of 500 x 500 x 400 mm (length, width, depth) set 200 mm below ground surface over tower outrigger piles; and,
- concrete block deadman anchor of 6000 x 1000 x 1300 mm (length, width, depth) to be buried under 1000 mm ground cover.

Trenching to install the concrete block deadman anchor will need to be of a greater area to facilitate best practice in accordance with health and safety requirements for excavations in sand and silt. Minor additional trenching will also be required to install anchor rods. In total earthworks are expected to affect less than 44 m<sup>2</sup> of land on either bank of the river (88 m<sup>2</sup> total for the whole bridge).

#### STATUTORY AND PLANNING REQUIREMENTS

There are two main pieces of legislation in New Zealand that control work affecting archaeological sites. These are the Resource Management Act 1991 ("RMA") and the Heritage New Zealand Pouhere Taonga Act 2014 ("HNZPTA"), both of which promote the identification, protection, preservation, and conservation of historical and cultural heritage. The HNZPTA also provides a legislative mechanism, via an authority process administered by Heritage New Zealand Pouhere Taonga ("HNZPT"), for the management of works that require the modification or destruction of archaeological sites. The authority process applies to archaeological sites on land of all tenure including Māori title, public, private, and designated land regardless of whether:

- the site is recorded in the New Zealand Archaeological Association ("NZAA") Site Recording Scheme or included in the New Zealand Heritage List/Rārangi Kōrero;
- the site only becomes known about as a result of ground disturbance; and / or,
- the activity is permitted under a district or regional plan, or a resource or building consent has been granted.

The HNZPTA includes provisions for criminal penalties in the event of the unauthorised damage or destruction of archaeological sites.

#### **District Plans**

The bridge will not affect scheduled historic heritage, archaeological sites or wāhi tapu sites in either the Whanganui or Rangitikei operative district plans.

#### ARCHAFOLOGICAL ASSESSMENT

As previously mentioned, although the coastal dunes were intensively occupied by Māori in historic times, and to a lesser degree by Pākehā in the nineteenth century, archaeological sites are not expected to be affected on the right bank of the river. The banks on either side of the river are comprised of Holocene dune deposits, but those on the right are active dunes of loose sand in an unvegetated or sparsely vegetated state with areas of deflation, while those on the left are stable and vegetated. The different dune stabilities are apparent in Figure 3, where a range of archaeological sites associated with Māori horticulture are clearly visible as surface features on the left bank (cf. Figure 2).

Thirty-one NZAA recorded archaeological sites are situated within the general landscape of the bridge (Figure 2). The two NZAA recorded midden/oven sites on the right bank of the river are included in the Whanganui District Council ("WDC") schedule of archaeological and wahi tupuna sites (see WDC operative district plan, Appendix K), but neither of these sites will be affected.<sup>2</sup> Of the remaining 29 NZAA recorded sites, only the pit/terrace site S23/27 is situated in any proximity to the bridge works on the left bank. However, lidar derived topographic data (Figure 3) and the site record description indicate that the site, as described, will not be affected:

<sup>1</sup> GNS Science. (2018). New Zealand Geology Web Map. http://data.gns.cri.nz/geology/.Landcare Research New Zealand (LRNZ). (2022). S-Map Online. https://smap.landcareresearch.co.nz/maps-and-tools/app/.

<sup>2</sup> Both sites – R23/1 and R23/2 – are situated more than 500 m from the proposed bridge location on the right bank.



Figure 3: Detail of proposed pedestrian swing bridge location, showing differences in the stable (true left bank) and unconsolidated (true right bank) dune topography, historic place names and structures.

Low rise about 120 m long. N. E. end is all bumps and hollows with no pattern that I could make out. At SW end there are a few well defined pits and [a] lot thats [sic] unclear as the other end. One possible terrace and possible borrow pits also present. (NZAA site record \$23/27)

The low rise described in the site record form is situated more 80 m from the river bank and is more than 50 m distant from the nearest earthworks for the bridge, this being the deadman anchor. In order to access the bridge site, a further 13 archaeological sites must be crossed by vehicle across open farmland (Figure 2, Table 1 and Appendix 1). Archaeological sites on the left bank are not included as scheduled archaeological, wāhi tapu or heritage sites in the Rangitikei operative district plan.

Table 1: NZAA recorded archaeological sites on the true left bank of the Whangaehu River that will need to be crossed by vehicles accessing the bridge construction site.

NZAA ID	SITE TYPE	THREAT	THREAT LEVEL
R23/5	Pit / Terrace		
R23/6	Pit / Terrace		
R23/7	Pit / Terrace		
R23/8	Pit / Terrace		
R23/9	Māori horticulture		
R23/10	Pit / Terrace		
R23/11	Pit / Terrace	Vehicle movements	Nil / Negligible
R23/12	Pit / Terrace		
R23/16	Pit / Terrace		
R23/18	Pit / Terrace		
R23/20	Pit / Terrace		
R23/21	Pit / Terrace		
R23/22	Pit / Terrace		
S23/27	Pit / Terrace	Bridge works	Nil

The historic survey plan ML 3148 indicates the NZAA recorded archaeological sites on the left bank are associated with the historic name, Maraeaute (Figure 3). The 'aute' of Maraeaute is a likely reference to paper mulberry, Broussonetia papyrifera, a cultivated tree of which the bark was used to make cloth: an historic import from island Polynesia but which is no longer found in New Zealand. Witnesses stated to the Māori Land Court, during the partition hearing for the Rakautaua Block, that Maraeaute was a "kumara, potato and taro cultivation, the soil for these cultivations being brought from the river" (Whanganui Minute Book 14: 72). The survey plan also shows a small collection of buildings situated on the left bank at a ferry crossing site, but these are situated 200 m down river of the bridge and will not be affected (Figure 3).

On the 30th of April this year as site visit was undertaken to the bridge tower locations on both the left and right banks. Eight auger samples were taken at both locations within the potentially affected areas to study the respective soil profiles for evidence, or traces of evidence, of archaeological activity. No archaeological material (shell, charcoal, etc) or traces of archaeological material were identified in any of the auger samples from either bank (Figure 4). Archaeological sites are unlikely to be present younger, unconsolidated sands of the right bank, but the possibility that undetected archaeological remains are present within the stable dune deposits of the left bank cannot be entirely excluded. If archaeological remains are discovered the most likely scenario is that this would be in the form of Māori gardening / horticultural soils, as per the Māori Land Court testimony quoted above.

#### ASSESSMENT OF FFFECTS

The proposed pedestrian swing bridge is situated in a landscape of high archaeological potential and significance to local iwi. However, there are no affected archaeological sites on the true



Figure 4: A selection of auger samples taken from the true left (1) and right (2 and 3) banks of the Whangaehu River at the bridge construction sites. No trace of charcoal or other anthropogenic disturbance was observed in any of the samples collected.

right bank of the river and adverse effects to archaeological sites/values on the left bank are expected to be nil or negligible.

Of the 29 NZAA recorded archaeological sites within the general landscape of the left bank (Figure 2), the pits and terraces of the nearest site (S23/27) are located more than 50 m beyond the extent earthworks and will not be affected. The 13 archaeological sites that will or may be crossed by the works crew to access the left bank construction site could be adversely affected to a minor or low extent by repeat movements of heavy and light vehicles, but this risk can be

mitigated to a nil or negligible level by:

- limiting the number of vehicles that travel to the work site daily (i.e., carpooling);
- restricting vehicle movements to established formal (metalled) or informal (visible depressions in pasture) tracks; and,
- undertaking construction in the late summer when ground conditions are firm and the potential for ruts forming in the topsoil is limited.

Finally, although no trace of archaeological material was identified in the multiple auger samples collected on the left bank, it is possible that unknown archaeological remains could be discovered in this area between NZAA recorded site \$23/27 and the river. However, given the limited extent of earthworks at this location (approximately 44 m2) any adverse effect is expected to be no more than minor. Any adverse effects on Māori garden / horticultural soils, given their likely substantial extent, is likely to be negligible: there is even a potential benefit to archaeological research values if the bridge construction provides an opportunity to collect analytical samples.

### CONCLUSION

Although there is no indication that archaeological sites will be affected by the construction of a pedestrian swing bridge across the lower Whangaehu River, there is the potential for known and unknown archaeological sites to be affected to a negligible or minor extent, respectively. Therefore, it is recommended that the NZTA and Te Araroa Trust apply to HNZPT for an archaeological authority with minor implications at least three months before wishing to undertake this work. Given the limited extent of the earthworks on the left bank of the Whangaehu River a management plan should not be required for this work: it will be sufficient for the bridge earthworks to be monitored in person by the section 45 archaeologist. Nor is a research strategy required. Appropriate documentation should be taken of any archaeological finds or representative soil profiles that may be observed and given the apparent association of the Maraeaute location with early Māori horticulture, as stated by witnesses recorded in the minutes of the Māori Land Court, soil samples for pollen and/or microfossil analysis should be collected from a suitable stratigraphic profile (if present).

Overall, despite its location in a landscape of high archaeological potential the construction of the bridge is unlikely to result in adverse effects to archaeological sites and appropriate measures have been taken to avoid the risk of adverse effects. The application for an archaeological authority with minor effects should be approved.

#### Recommendations

- that NZTA and Te Araroa Trust apply to HNZPT for an archaeological authority with minor implications at least three months before the intended date of construction;
- that HNZPT grant the application for an archaeological authority with minor effects without need for a research strategy or management plan;
- that construction is undertaken in the late summer when ground conditions are firmer and archaeological sites along access tracks are less likely to be affected by vehicle movements; and,
- that vehicle numbers are managed to limit the number of daily vehicle movements across archaeological sites and movement is limited to established tracks.

### APPENDIX 1:

### NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORDS

Archaeological site record reports downloaded from ArchSite, 2 September 2024, for the 14 archaeological sites that will or may be crossed by vehicles accessing the bridge construction site on the true left bank of the Whangaehu River. These site could be adversely affected to a minor or low extent by repeat movements of heavy and light vehicles, but this risk can be mitigated to a nil or negligible level by:

- limiting the number of vehicles that travel to the work site daily (i.e., carpooling);
- restricting vehicle movements to established formal (metalled) or informal (visible depressions in pasture) tracks; and,
- undertaking construction in the late summer when ground conditions are firm and the potential for ruts forming in the topsoil is limited.



# **Site Record Form**

**NZAA SITE NUMBER:** R23/5

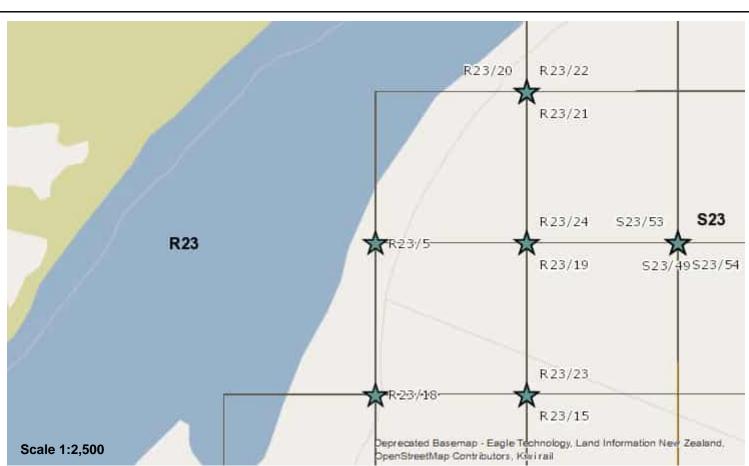
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779772 Northing: 5566595 Source: CINZAS

IMPERIAL SITE NUMBER: N143/86 METRIC SITE NUMBER: R23/5



Finding aids to the location of the site

**Brief description** 

**PITS** 

**Recorded features** 

Pit

Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/5	
Site description		
Condition of the site		
Statement of condition		
Current land use:		
Threats:		

**NZAA SITE NUMBER:** R23/5

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS1)  NZMS 1 map number N143 NZMS 1 map name MARTON NZMS 1 map edition 4th 1975	NZAA NZMS 1 SITE NUMBER & N/43/66  DATE VISITED 30.3.81  SITE TYPE PITS  SITE NAME: MAORI OTHER
Grid Reference FN39 Easting 2 6 3 3	6,0, Northing 3 7 4 5 0,0,
1. Aids to relocation of site (attach a sketch map)  Situated on river flats in Rakautaua 8. Locality map with N143/19. Air photo co ordinates 386/4 -60, +38	X* 35.1 **
2. State of site and possible future damage  Good. Light damage by stock a possibili	ty.
<ol> <li>Description of site (Supply full details, history, local environinclude a summary here)</li> </ol>	nment, references, sketches, etc. If extra sheets are attached,
Three pits in a line end to end. Centra	l pit is large and elongated.
FLAT	· · · · · · · · · · · · · · · · · · ·
3 4 5 3	Nokiii
FLAT	
4. Owner Address B. Craig Whangaehu Beach Road	Tenant/Manager Address
5. Nature of information (hearsay, brief or extended visit, etc	J Brief visit
Photographs (reference numbers, and where they are held)	•
Aerial photographs (reference numbers, and clarity of site)	386/4 clearly
6. Reported by A. Walton Address NZHPT 3.2.82	Filekeeper PS DWD  Date 3/3/82
7. Key words	
New Zealand Register of Archaeological Sites (for office us NZHPT Site Field Code	·
Type of site  A F  Local environment today  A F	Present condition and future danger of destruction  Security code



# **Site Record Form**

**NZAA SITE NUMBER:** R23/6

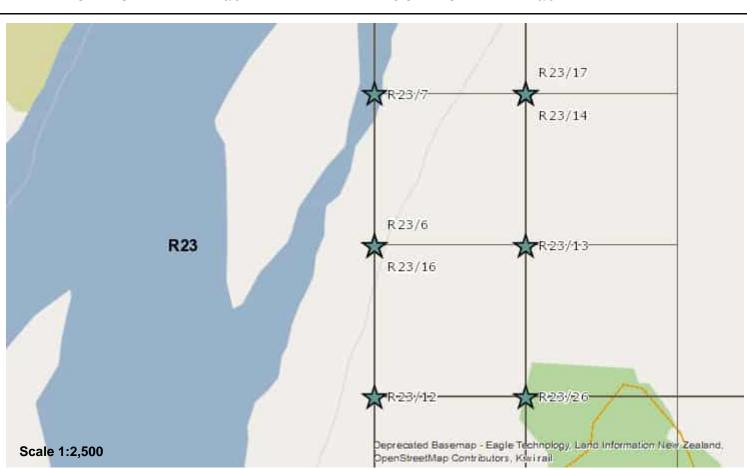
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779672 Northing: 5566295 Source: CINZAS

IMPERIAL SITE NUMBER: N143/91 METRIC SITE NUMBER: R23/6



Finding aids to the location of the site

**Brief description** 

**PITS** 

**Recorded features** 

Pit

Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/6
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/6

		<b>《张邦集</b> 》
SITE RECORD FORM (NZMS1)	NZAA NZMS 1 SITE NUMBER DATE VISITED 28.3.81	N143/91
NZMS 1 map number N143 NZMS 1 map name MARTON NZMS 1 map edition 4th 1975	SITE NAME: MAORI OTHER	ITS
irid Reference FN12 Easting 2 6 3 2	O,O Northing 37	4 200
Rakautaua 7No3. CT D2/1043. Locality map with N143/40. Air photo co-ordinates: 386/4	-63, +20mm.	
. State of site and possible future damage		1
Fair - poor. In grass.		
B. Description of site (Supply full details history, local environ include a summary here)	ment, references, sketches, etc. If ext	ra sheets are attached
Two or three pits on top of low (roughly 3x3) to north along rid with another pit (c 3x2.5) immeridge.	sand ridge. Further p ge a very short dista diately adjacent at f	it nce and oot of
• 5	8	
Owner B. Craig Address Whangaehu Beach Road	Tenant/Manager Address	
. Nature of information (hearsay, brief or extended visit, etc.	Brief visit	1 3
Photographs (reference numbers, and where they are held)		
Aerial photographs (reference numbers, and clarity of site)	386/3 badly	
Reported by A. Walton Address NZHPT 7/4/82	Filekeeper R. J.S. Cassels Date S. 10.82	(for D.J. Lundy)
. Key words		
New Zealand Register of Archaeological Sites (for office use NZHPT Site Field Code	, .	
A M Type of site	Present condition and future dange	or of destruction
A A Local environment today  A A  C Land	Security code	desil decion



# **Site Record Form**

**NZAA SITE NUMBER:** R23/7

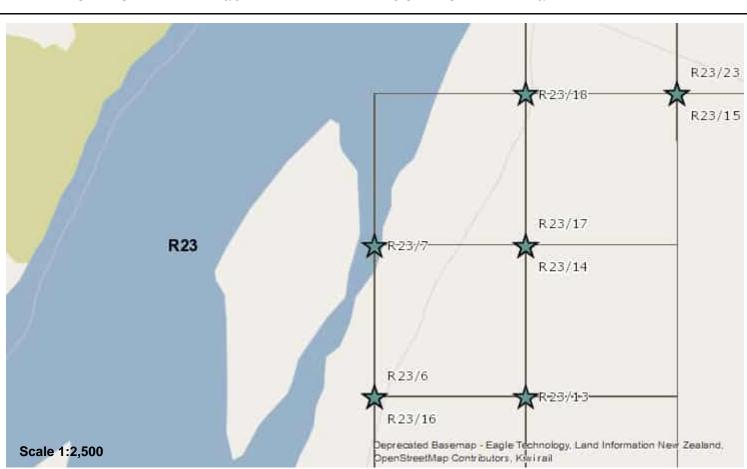
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779672 Northing: 5566395 Source: CINZAS

IMPERIAL SITE NUMBER: N143/92 METRIC SITE NUMBER: R23/7



Finding aids to the location of the site

**Brief description** 

TERRACES/PITS

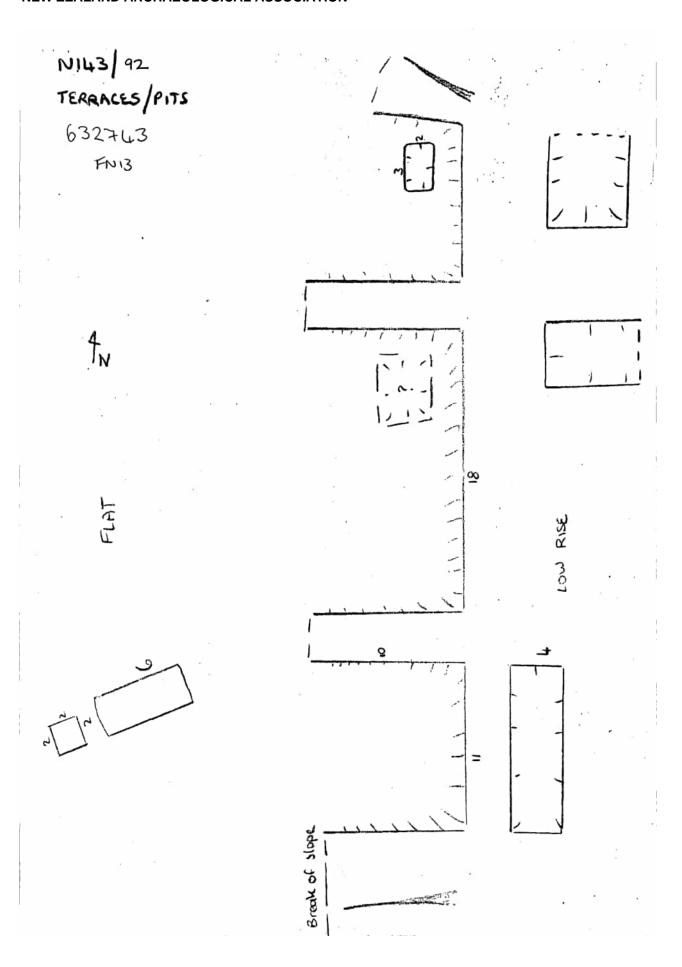
**Recorded features** 

Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/7
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/7

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS1)	NZAA NZMS 1 SITE NUMBER N14	3/92,
NZMS 1 map number N143 NZMS 1 map name NZMS 1 map edition Marton 4th 1971	SITE TYPE Terraces/pits SITE NAME: MAORI OTHER	AF
Grid Reference FN13 Easting 2 6 3 2	0,0 Northing 2 7 4	3 0 0
1. Aids to relocation of site (attach a sketch map)  Rakautaua 7No3. CT D2/1043.  Locality map with N143/90.  Air photo co ordinates 386/4 -63, +2	.Дmm.	
2. State of site and possible future damage		
Good.	2 V	
Description of site (Supply full details, history, local environmental and summary here)	nment, references, sketches, etc. If extra sheet	s are attached,
A curious set of features consisting base of a low scarp and with pits on in front.		
See attached sketch plan.	t = 2	
	**	
Owner Bruce Craig Address Whangaehu Beach Road	Tenant/Manager Address	
5. Nature of information (hearsay, brief or extended visit, etc.	./ Brief visit	2.4
Photographs (reference numbers, and where they are held)	*	41.7
Aerial photographs (reference numbers, and clarity of site)	386/4 clearly	
A. Walton Address NZHPT 24.2.82	Filekeeper R. J. S. C. Date S. 10. 82	i
7. Key words		
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A O Type of site A S Local environment today  A C Land C	Present condition and future danger of des Security code	struction





# **Site Record Form**

**NZAA SITE NUMBER:** R23/8

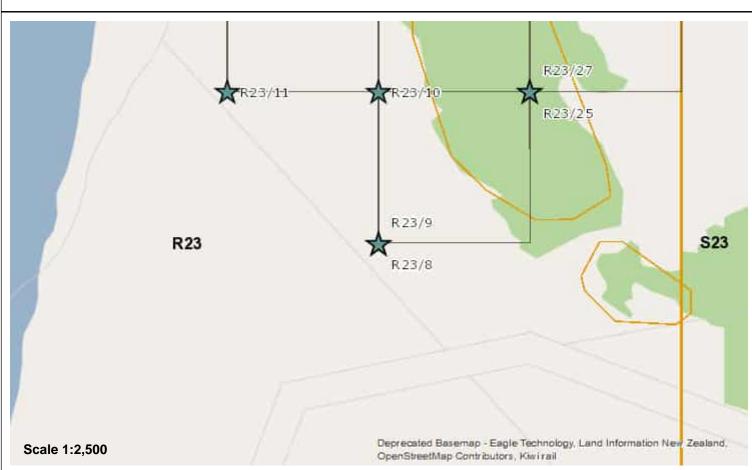
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779772 Northing: 5565995 Source: CINZAS

IMPERIAL SITE NUMBER: N143/93 METRIC SITE NUMBER: R23/8



Finding aids to the location of the site

**Brief description** 

**PITS** 

**Recorded features** 

Pit

Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/8
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/8

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS1)	NZAA NZMS 1 SITE NUMBER N143/93 DATE VISITED 30.3.81
NZMS 1 map number N143 NZMS 1 map name MARTON NZMS 1 map edition 4th 1975	SITE TYPE PITS  SITE NAME: MAORI OTHER
Grid Reference FN22 Easting 3 6 3 4	c, o, Northing 9 7 3 8 0 0
1. Aids to relocation of site (attach a sketch map) Rakautaua 7No3. CT D2/1043. Locality map with N143/90. Air photo co-ordinates 386/4 -5	5, -1mm.
2. State of site and possible future damage	. 3
Good.	
3. Description of site (Supply full details, history, local enviror include a summary here)	nment, references, sketches, etc. If extra sheets are attached,
Four clear pits and couple of ot	•
id (i	
- Valley	
The City Cloor	4
<u></u>	N.
٣	
<u> </u>	3 4
fence	
Owner B. Craig Address Whangaehu Beach Road	Tenant/Manager Address
5. Nature of information (hearsay, brief or extended visit, etc.	) brief visit
Photographs (reference numbers, and where they are held)	, 51101, VISIO
Aerial photographs (reference numbers, and clarity of site)	386/4 badly
A. Walton Address NZHPT 7/4/82	Filekeeper R. J. S. C. Date S. 10.82
7. Key words	
*	* * * * * * * * * * * * * * * * * * * *
New Zealand Register of Archaeological Sites (for office use     NZHPT Site Field Code	2)
A S Local environment today  A S Local environment today  G E	Present condition and future danger of destruction  Security code



# **Site Record Form**

**NZAA SITE NUMBER:** R23/9

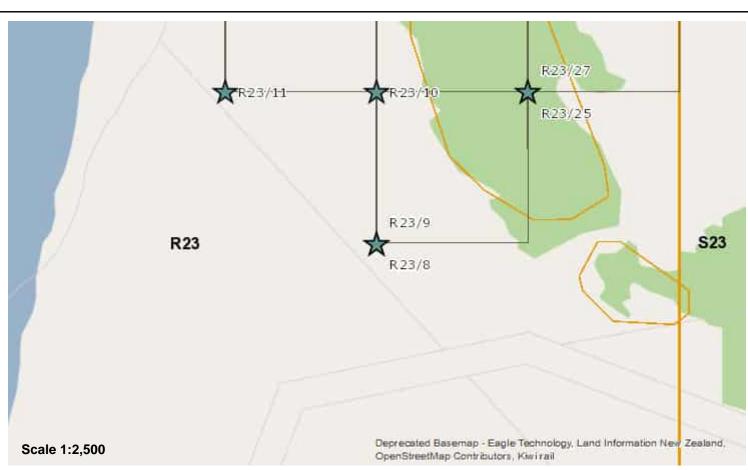
SITE TYPE: Maori horticulture

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779772 Northing: 5565995 Source: CINZAS

IMPERIAL SITE NUMBER: N143/94 METRIC SITE NUMBER: R23/9



Finding aids to the location of the site

**Brief description** 

**BORROW PITS** 

**Recorded features** 

Borrow pit

Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/9
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

NZAA SITE NUMBER: R23/9

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS1)  NZMS 1 map number N143  NZMS 1 map name MARTON	NZAA NZMS 1 SITE NUMBER N143/94- DATE VISITED 30.3.81 SITE TYPE ?Borrow pits SITE NAME: MAORI OTHER
NZMS 1 map edition 4th 1975	
Grid Reference FN23 Easting 3 6 3 4	0,0 Northing 2 7 3 8 0 0
1. Aids to relocation of site (attach a sketch map) Rakautaua 7N03. CT D2/1043. Locality map with N143/90. Air photo co-ordinates: 386/4 -	-60, +5.
2. State of site and possible future damage	
good.	
Description of site (Supply full details, history, local environmental include a summary here)	ment, references, sketches, etc. If extra sheets are attached,
Four or more large irregular pits Measured 8x3, 14x4, 8x4, 16x4; ms borrow pits.	s at base of ridge, west side. aximun dimensions. Possibly
3	6 Say 6
€	
D. Olaie	Tenant/Manager Address
	Decide winds
5. Nature of information (hearsay, brief or extended visit, etc.)	Brief visit
Photographs (reference numbers, and where they are held)	
Aerial photographs (reference numbers, and clarity of site)	386/4 clearly
	Filekeeper R. J. S. C. Date S. 10.82
7. Key words	
New Zealand Register of Archaeological Sites (for office use, NZHPT Site Field Code	
C Z Type of site A A A Local environment today A A	Present condition and future danger of destruction  Security code



# **Site Record Form**

**NZAA SITE NUMBER:** R23/10

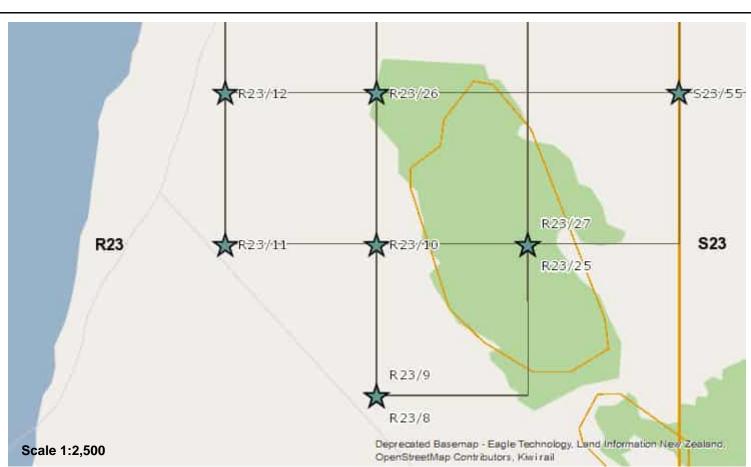
**SITE TYPE**: Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779772 Northing: 5566095 Source: CINZAS

IMPERIAL SITE NUMBER: N143/95 METRIC SITE NUMBER: R23/10



### Finding aids to the location of the site

#### **Brief description**

**PITS** 

#### **Recorded features**

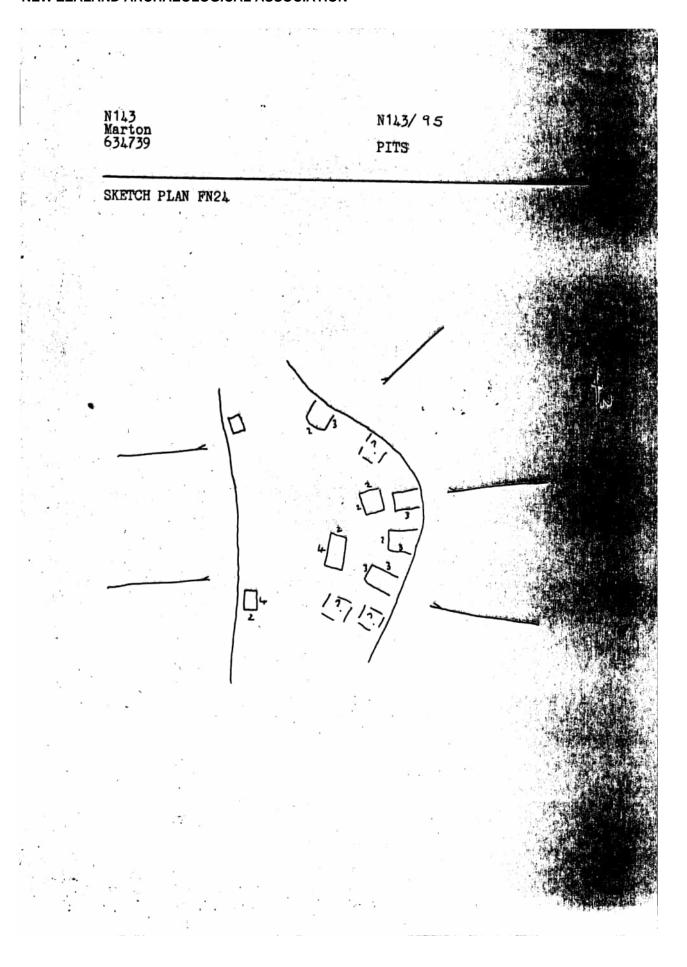
Pit

#### Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/10
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

NZAA SITE NUMBER: R23/10

-	
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS1)  NZMS 1 map number N143 NZMS 1 map name NZMS 1 map edition 4th 1975	NZAA NZMS 1 SITE NUMBER NI 43/95.  DATE VISITED 30/3/81  SITE TYPE PITS  SITE NAME: MAORI OTHER
Grid Reference FN24 Easting 2634	0,0 Northing 2 7 3 9 0 0
1. Aids to relocation of site (attach a sketch map)  Rakautaua 7No3. CT D2/1043.  Locality map with N143/90.  Air photo co-ordinates: 386/4 -	56,+3.
2. State of site and possible future damage	u 24 u u
Good - fair condition.	
3. Description of site (Supply full details, history, local environinclude a summary here)	ment, references, sketches, etc. If extra sheets are attached,
Rather difficult to read in plac ridge.	es but some 8+ pits on top of
See attached SDF.	
4. Owner Mr B. Craig Whangaehu Beach Road.	Tenant/Manager Address
<ol> <li>Nature of information (hearsay, brief or extended visit, etc.)</li> <li>Photographs (reference numbers, and where they are held)</li> </ol>	Brief visit
Aerial photographs (reference numbers, and clarity of site)	386/4 Badly
n. narbon	Filekeeper R.J.S.C. Date S. 10.82
7. Key words	
New Zealand Register of Archaeological Sites (for office use NZHPT Site Field Code	
A M Type of site A A A A A A A A A A A A A A A A A A A	Present condition and future danger of destruction  Security code





# **Site Record Form**

**NZAA SITE NUMBER:** R23/11

**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779672 Northing: 5566095 Source: CINZAS

IMPERIAL SITE NUMBER: N143/96 METRIC SITE NUMBER: R23/11



#### Finding aids to the location of the site

#### **Brief description**

**PITS** 

#### **Recorded features**

Pit

#### Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/11
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

NZAA SITE NUMBER: R23/11

* *	
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS 1)  NZMS 1 map number N143  NZMS 1 map name MARTON  NZMS 1 map edition 4th 1975	NZAA NZMS 1 SITE NUMBER NI+3/96  DATE VISITED 30/3/81  SITE TYPE PITS  SITE NAME: MAORI OTHER
Grid Reference FN25 Easting 2 6 3 3	0,0, Northing 2 7 3 9 0 0
1. Aids to relocation of site (attach a sketch map) Rakautaua 7No3. CT D2/1043. Locality map with N143/90. Air photo co-ordinates: 386/4	-60,+7mm.
2. State of site and possible future damage	(大)
Fair - poor.	# A L
3. Description of site (Supply full details, history, local environ include a summary here)  On rise on ridge. Two pits.	nment, references, sketches, etc. If extra sheets are attached;
	PLATE I
	. \
4. Owner Mr B. Craig Address Whangaehu Beach Road.	Tenant/Manager. Address
5. Nature of information (hearsay, brief or extended visit, etc.	, Brief visit
Photographs (reference numbers, and where they are held)	
Aerial photographs (reference numbers, and clarity of site)	386/4 Badly or not at all % 25
6. Reported by A. Walton Address NZHPT 26/4/82	Filekeeper R. J.S. C. Date S. 10.82
7. Key words	5. C.V.S.C.
New Zealand Register of Archaeological Sites (for office use NZHPT Site Field Code	
A M Type of site	Present condition and future danger of destruction
A W Local environment today	Security code
A C Handal	* oca**



## **Site Record Form**

**NZAA SITE NUMBER:** R23/12

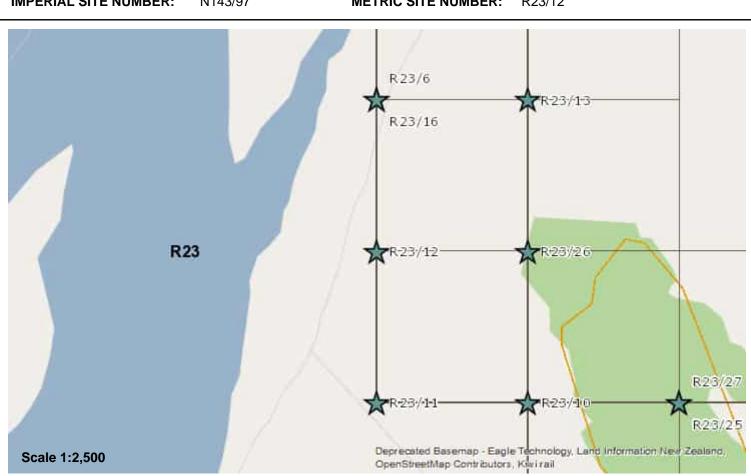
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779672 Northing: 5566195 Source: CINZAS

IMPERIAL SITE NUMBER: N143/97 METRIC SITE NUMBER: R23/12



Finding aids to the location of the site

**Brief description** 

PITS

**Recorded features** 

Pit

Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/12
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/12

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS1)  NZMS 1 map number N143 NZMS 1 map name Marton	NZAA NZMS 1 SITE NUMBER N 143 /9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
NZMS 1 map edition 4th 1975  Grid Reference Fn26 Easting 2 6 3 3	0,0 Northing 2 7 4 0 9
1. Aids to relocation of site (attach a sketch map)  Rakautaua 7No3. CT D2/1043.  Locality map with N143/90.  Air photo co-ordinates: 386/4	
	-60, +10mm.
State of site and possible future damage     Fair to poor	
Description of site (Supply full details, history, local environmental include a summary here)  Looks like two or more pits on records.	ridge. Immediately beyond fence
there are more possibly four plu on the old air photos than they	is in a group. These show better
4. Owner Mr B. Craig Address Whangaehu Beach Road	Tenant/Manager Address
5. Nature of information (hearsay, brief or extended visit, etc.	Brief visit
Photographs (reference numbers, and where they are held)  Aerial photographs (reference numbers, and clarity of site)	386/4 Not too badly.
6. Reported by A. Walton Address NZHPT 26/4/82.	Filekeeper R.J.S.C. Date S. 10.82
7. Key words	त्र के किया है। जिल्हा जिल्हा
8. New Zealand Register of Archaeological Sites (for office use NZHPT Site Field Code	J. The state of th
A M Type of site  A W Local environment today  A C Land c'  A C E	Present condition and future danger of destruction



# **Site Record Form**

**NZAA SITE NUMBER:** R23/16

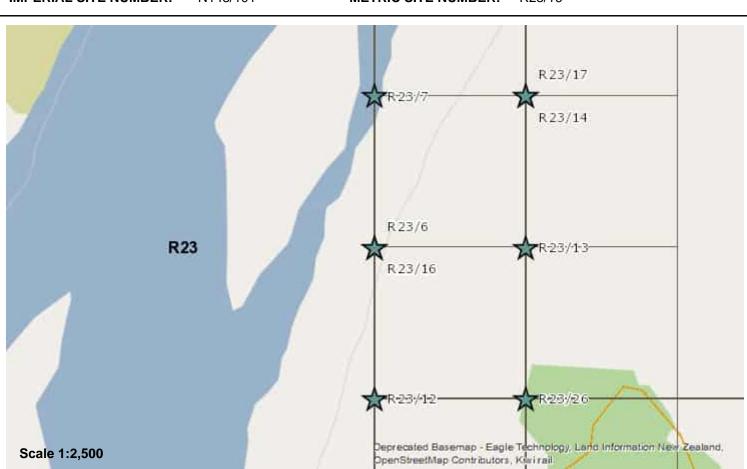
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779672 Northing: 5566295 Source: CINZAS

IMPERIAL SITE NUMBER: N143/101 METRIC SITE NUMBER: R23/16



Finding aids to the location of the site

**Brief description** 

**PITS** 

**Recorded features** 

Pit

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/16
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/16

#### Supporting documentation held in ArchSite

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION NZAA NZMS 1 SITE NUMBER N143/10/ DATE VISITED 30/3/81 SITE TYPE pits NZMS 1 map number N143 SITE NAME: MAORI NZMS 1 map name MARTON NZMS 1 map edition 4th 1975 Easting 26 3 2 Northing 2 fn34-5 0,0, 0,0 **Grid Reference** 1. Aids to relocation of site (attach a sketch map) Locality map with N143/90.
Air photo co-ordinates: 386/4 -61,+21mm. 2. State of site and possible future damage Good. 3. Description of site (Supply full details, history, local environment, references, sketches, etc. If extra sheets are attached, include a summary here) Group of 4-6 pits. One other pit (3x3) some distance from others at 386/4 -61, +17mm. single pit 15-20 m away Tenant/Manager Mr B. Craig Whangaehu Beach Road Address Address 5. Nature of information (hearsay, brief or extended visit, etc.) Brief visit Photographs (reference numbers, and where they are held) Aerial photographs (reference numbers, and clarity of site) 386/4 fairly clear 6. Reported by Walton Filekeeper R. J.S. C. Address 5. 10.82 27/4/82 7. Key words 8. New Zealand Register of Archaeological Sites (for office use) NZHPT Site Field Code Type of site Present condition and future danger of destruction Local environment today Security code



# **Site Record Form**

**NZAA SITE NUMBER:** R23/18

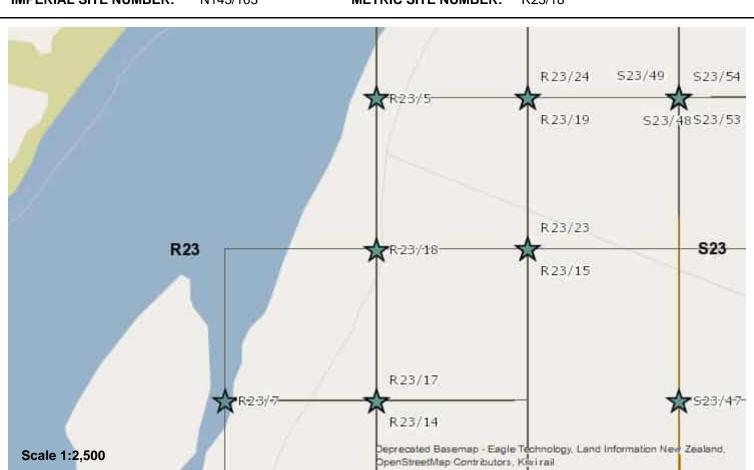
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779772 Northing: 5566495 Source: CINZAS

IMPERIAL SITE NUMBER: N143/103 METRIC SITE NUMBER: R23/18



Finding aids to the location of the site

**Brief description** 

**PITS** 

**Recorded features** 

Pit

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/18
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

NZAA SITE NUMBER: R23/18

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS1)  NZMS 1 map number NZMS 1 map name NZMS 1 map edition  NZMS 1 map edition	pits
Grid Reference fn37 Easting 2 6 3 3 0 0	Northing 2 7 4 4 0 0
1. Aids to relocation of site (attach a sketch map)  Rakautaua 8.  Locality map with N143/90.  Air photo co-ordinates: 386/4 -59,+32.	
2. State of site and possible future damage Good.	
Description of site (Supply full details, history, local environment, reference include a summary here)	es, sketches, etc. If extra sheets are attached,
Six pits.	
	2
13	
4. Owner Address Mr B. Craig Whangaehu Beach Road  Tenant/Manage Address	er .
5. Nature of information (hearsay, brief or extended visit, etc.) Brief v	risit
Photographs (reference numbers, and where they are held)  Aerial photographs (reference numbers, and clarity of site)  386/1	clearly
6. Reported by A. Walton Filekeeper NZHPT Date	R. J.S. C. S.10.82
7. Key words	
New Zealand Register of Archaeological Sites (for office use)     NZHPT Site Field Code	



# **Site Record Form**

**NZAA SITE NUMBER:** R23/20

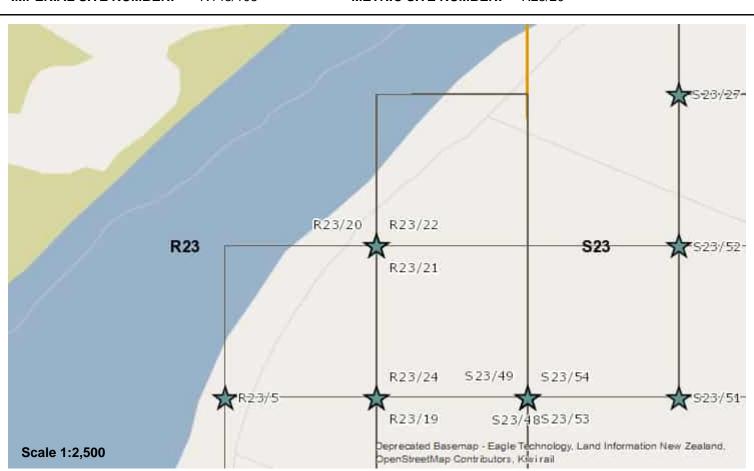
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779872 Northing: 5566695 Source: CINZAS

IMPERIAL SITE NUMBER: N143/105 METRIC SITE NUMBER: R23/20



### Finding aids to the location of the site

#### **Brief description**

**PITS** 

### **Recorded features**

Pit

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/20
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/20

#### Supporting documentation held in ArchSite

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION N143/105 NZAA NZMS 1 SITE NUMBER SITE RECORD FORM (NZMS1) DATE VISITED 30/3/81 SITE TYPE NZMS 1 map number SITE NAME: MAORI NZMS 1 map name Marton NZMS 1 map edition 4th 1975 6 3 Fn40 0 Easting , 2 Northing Grid Reference 1. Aids to relocation of site (attach a sketch map) Could be Rakautaua 7No3 or Rakautaua 8 or bit in each. Locality map with N143/90. Air photo co-ordinates: 386/4 -50, +40mm. 2. State of site and possible future damage Fair . 3. Description of site (Supply full details, history, local environment, references, sketches, etc. If extra sheets are attached, include a summary here) A very deep pit measuring  $5 \times 4$ , three ather well defined features and one shallow hollow probably representing a further pit. SKETCH ONLY 4. Owner Tenant/Manager Mr B Craig Whangaehu Beach Road Address Address 5. Nature of information (hearsay, brief or extended visit, etc.) Brief visit Photographs (reference numbers, and where they are held) Aerial photographs (reference numbers, and clarity of site) 386/4 clearly 6. Reported by Filekeeper R.J.S.C. Walton Address Date NZHPT 5.10.82 27/4/82 7. Key words 8. New Zealand Register of Archaeological Sites (for office use) NZHPT Site Field Code Type of site Present condition and future danger of destruction ocal environment today Security code



# **Site Record Form**

**NZAA SITE NUMBER:** R23/21

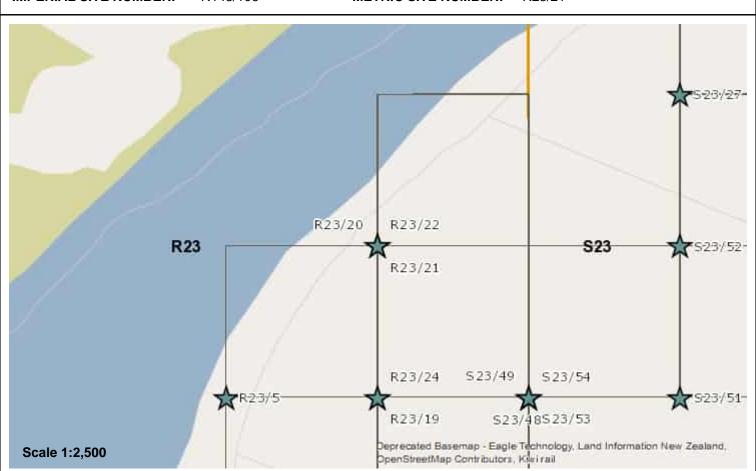
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779872 Northing: 5566695 Source: CINZAS

IMPERIAL SITE NUMBER: N143/106 METRIC SITE NUMBER: R23/21



### Finding aids to the location of the site

#### **Brief description**

**PITS** 

### **Recorded features**

Pit

#### Other sites associated with this site

SITE RECORD HISTORY	NZAA SITE NUMBER: R23/21
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

NZAA SITE NUMBER: R23/21

	NZAA NZMS 1 SITE NUMBER N143/106  DATE VISITED 30/3/81  SITE TYPE Pits  SITE NAME: MAORI OTHER
	Northing 2 7 1 6 0,0
Aids to relocation of site (attach a sketch map)	(-17 121 01 -1-)
Rakautaua 7No3. Locality map with N143/90. Air photo co-ordinates: 386/4 -47	7, +42.
2. State of site and possible future damage	
Good to fair.	*
<ol> <li>Description of site (Supply full details, history, local environm include a summary here)</li> </ol>	ent, references, sketches, etc. If extra sheets are attached,
Two pits and some other odd featur	res on ridge.
SKETCH ONU	2.5
ALL MIC D. CITALID	enant/Manager ddress
5. Nature of information (hearsay, brief or extended visit, etc.)  Photographs (reference numbers, and where they are held)  Aerial photographs (reference numbers, and clarity of site)	Brief visit 386/4 very badly if at all
N/ZUD/II	lekeeper R.J.S.C. ate S. 10.82
7. Key words	
New Zealand Register of Archaeological Sites (for office use)     NZHPT Site Field Code	
A M Type of site  A W Local environment today  A C C C C C C C C C C C C C C C C C C	Present condition and future danger of destruction  Security code



# **Site Record Form**

**NZAA SITE NUMBER:** R23/22

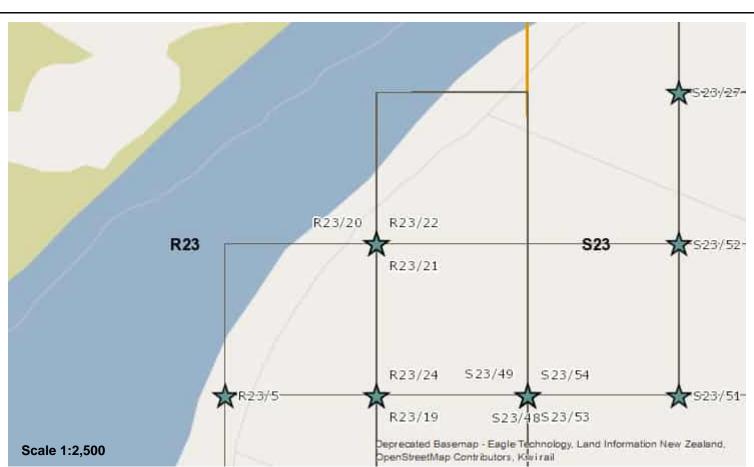
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1779872 Northing: 5566695 Source: CINZAS

IMPERIAL SITE NUMBER: N143/107 METRIC SITE NUMBER: R23/22



### Finding aids to the location of the site

#### **Brief description**

**PITS** 

### **Recorded features**

Pit

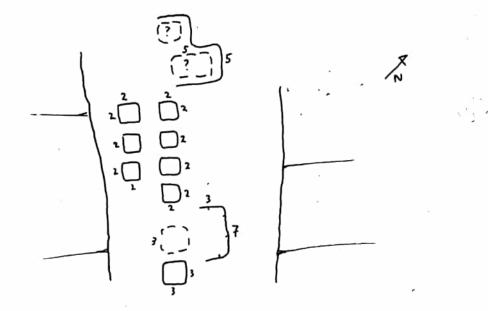
SITE RECORD HISTORY	NZAA SITE NUMBER: R23/22
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

**NZAA SITE NUMBER:** R23/22

NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION  SITE RECORD FORM (NZMS 1)  NZMS 1 map number N143  NZMS 1 map name MARTON  NZMS 1 map edition 4th 1975	NZAA NZMS 1 SITE NUMBER N143/107  DATE VISITED 30/3/81  SITE TYPE PITS  SITE NAME: MAORI OTHER	
- 10 27-1-1	0,0 Northing 2 7 4 6 0,0	
1. Aids to relocation of site (attach a sketch map)  See Locality map with N143/90.  Air photo co-ordinates: 386/4 -43, +43mm.		
State of site and possible future damage		
Fair to good.		
Description of site (Supply full details, history, local environinclude a summary here)	nment, references, sketches, etc. If extra sheets are attached,	
Series of pits, and possible pit	s, on ridgetop.	
See SDF.	. 8	
	·	
4. Owner Mr B. Craig Address Whangaehu Beach Road.	Tenant/Manager Address	
5. Nature of information (hearsay, brief or extended visit, etc.	) Brief visit	
Photographs (reference numbers, and where they are held)	'	
Aerial photographs (reference numbers, and clarity of site)	386/4 clearly	
	Filekeeper	
7. Key words		
New Zealand Register of Archaeological Sites (for office use)     NZHPT Site Field Code		
A W Local environment today  A C A	Present condition and future danger of destruction  Security code	

N113 MARTON 635716	a ₫	N143/107 PITS	ė
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SKETCH PLAN (FN42)





# **Site Record Form**

NZAA SITE NUMBER: \$23/27

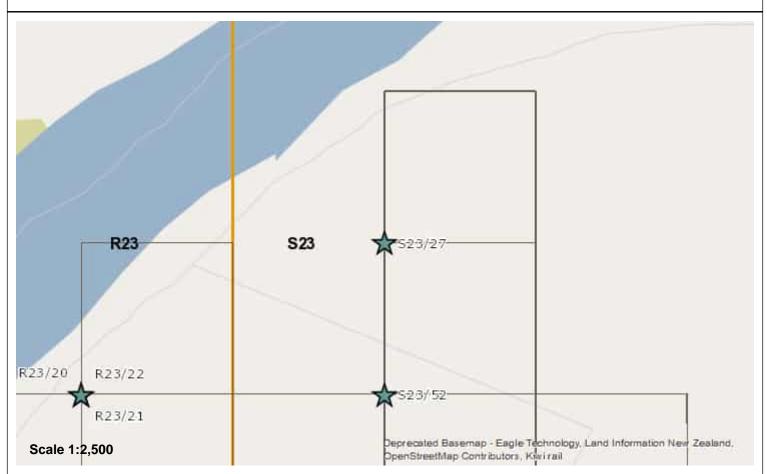
**SITE TYPE:** Pit/Terrace

SITE NAME(s):

**DATE RECORDED:** 

SITE COORDINATES (NZTM) Easting: 1780072 Northing: 5566795 Source: CINZAS

IMPERIAL SITE NUMBER: N143/50 METRIC SITE NUMBER: S23/27



Finding aids to the location of the site

**Brief description** 

**PITS** 

**Recorded features** 

Pit

SITE RECORD HISTORY	NZAA SITE NUMBER: \$23/27
Site description	
Condition of the site	
Statement of condition	
Current land use:	
Threats:	

NZAA SITE NUMBER: \$23/27

	FN 44
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION SITE RECORD FORM (NZMS1)	NZAA NZMS 1 SITE NUMBER N/43/50  DATE VISITED 30 / 3 / 1981  SITE TYPE Pits
NZMS 1 map number N 143 NZMS 1 map name Marton NZMS 1 map edition 4th 1975	SITE NAME: MAORI OTHER
Grid Reference FN 44 Easting 2 6 3 7	00 Northing 2 7 4 7 0,0
1. Aids to relocation of site (attach a sketch map) On low rise amidst river flats. Air photo co-ordinates: 386/4 -4 7 No.3 Rakauhaua Block, Ikitara	
2. State of site and possible future damage  Poor. No real pattern evident	but obviously not natural.
3. Description of site (Supply full details, history, local environment of the summary here)  Low rise about 120m long. N.E with no pattern that I could make the few well defined pits and lot one possible terrace and possible terrace.	. end is all bumps and hollows ke out. At SW end there are a thats as unclear as the other end.
4. Owner Mr Bruce Craig, Address Beach Road,	Tenant/Manager Address
Whangaehu.	
5. Nature of information (hearsay, brief or extended visit, etc.	) Brief visit
Photographs (reference numbers, and where they are held)  Aerial photographs (reference numbers, and clarity of site)	- 386/3 Clearly.
6. Reported by A. Walton Address NZHPT	Filekeeper 39 (SWII) Date 19 10 8
7. Key words	
New Zealand Register of Archaeological Sites (for office use NZHPT Site Field Code	e)
A M Type of site B D Local environment today A C	Present condition and future danger of destruction  Security code